

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031723\
 Data File : BF132828.D
 Acq On : 17 Mar 2023 17:52
 Operator : CG\JU
 Sample : 01908-02MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HILLBOR-DRUMS-0314

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/20/2023
 Supervised By : Jagrut Upadhyay 03/20/2023

Quant Time: Mar 18 01:03:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 17 03:35:59 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	226351	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	852298	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	452056	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	855565	20.000	ng	0.00
76) Chrysene-d12	14.157	240	516188	20.000	ng	0.00
86) Perylene-d12	15.674	264	480878	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.622	112	1549450	115.508	ng	0.04
7) Phenol-d6	6.604	99	1861737	106.927	ng	0.00
23) Nitrobenzene-d5	7.528	82	1410045	84.664	ng	0.00
42) 2,4,6-Tribromophenol	10.804	330	600394	124.938	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	2174226	79.007	ng	0.00
79) Terphenyl-d14	13.086	244	2572568	89.992	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.075	88	290130m	38.375	ng	
3) Pyridine	3.775	79	672673	36.155	ng	99
4) n-Nitrosodimethylamine	3.710	42	308270	44.630	ng	98
6) Aniline	6.634	93	410849	20.543	ng	# 91
8) 2-Chlorophenol	6.757	128	705860	49.312	ng	98
9) Benzaldehyde	6.516	77	249896	34.877	ng	97
10) Phenol	6.616	94	818750	41.394	ng	99
11) bis(2-Chloroethyl)ether	6.698	93	863850	47.224	ng	100
12) 1,3-Dichlorobenzene	6.904	146	728925	46.986	ng	99
13) 1,4-Dichlorobenzene	6.981	146	728772	47.066	ng	99
14) 1,2-Dichlorobenzene	7.128	146	697815	49.391	ng	99
15) Benzyl Alcohol	7.110	79	645314	64.081	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	811439	45.590	ng	77
17) 2-Methylphenol	7.222	107	577547	44.399	ng	# 91
18) Hexachloroethane	7.469	117	286849	48.410	ng	98
19) n-Nitroso-di-n-propyla...	7.381	70	460209	46.325	ng	93
20) 3+4-Methylphenols	7.375	107	675114	43.103	ng	# 82
22) Acetophenone	7.369	105	917895	45.106	ng	# 96
24) Nitrobenzene	7.551	77	818014	45.431	ng	99
25) Isophorone	7.787	82	1480329	45.214	ng	99
26) 2-Nitrophenol	7.863	139	402593	48.002	ng	97
27) 2,4-Dimethylphenol	7.898	122	596702	45.921	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	916767	46.619	ng	99
29) 2,4-Dichlorophenol	8.110	162	656603	48.808	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	673098	46.778	ng	99
31) Naphthalene	8.269	128	1928295	45.099	ng	99
32) Benzoic acid	8.051	122	409522	50.351	ng	97
33) 4-Chloroaniline	8.345	127	171342m	9.192	ng	
34) Hexachlorobutadiene	8.375	225	424103	46.455	ng	98
35) Caprolactam	8.704	113	184948m	44.842	ng	
36) 4-Chloro-3-methylphenol	8.816	107	643212	47.011	ng	98
37) 2-Methylnaphthalene	8.957	142	1266112	44.156	ng	100
38) 1-Methylnaphthalene	9.057	142	1181233	43.754	ng	98
40) 1,2,4,5-Tetrachloroben...	9.128	216	674881	45.509	ng	99
41) Hexachlorocyclopentadiene	9.110	237	722955	99.829	ng	99
43) 2,4,6-Trichlorophenol	9.245	196	453693	46.986	ng	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.292	196	496674	44.180	ng	98
46) 1,1'-Biphenyl	9.422	154	1495434	44.591	ng	99
47) 2-Chloronaphthalene	9.451	162	1236802	46.575	ng	100
48) 2-Nitroaniline	9.557	65	405656	46.515	ng	95
49) Acenaphthylene	9.869	152	1790239	43.870	ng	99
50) Dimethylphthalate	9.728	163	1529082	47.178	ng	100
51) 2,6-Dinitrotoluene	9.792	165	338156	47.185	ng	90
52) Acenaphthene	10.039	154	1084243	44.139	ng	99
53) 3-Nitroaniline	9.963	138	211757	26.433	ng	94
54) 2,4-Dinitrophenol	10.081	184	372625	90.482	ng	97
55) Dibenzofuran	10.216	168	1611098	42.667	ng	100
56) 4-Nitrophenol	10.139	139	439924	92.106	ng	93
57) 2,4-Dinitrotoluene	10.204	165	418087	45.670	ng	97
58) Fluorene	10.557	166	1310067	43.630	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.334	232	409981	50.320	ng	99
60) Diethylphthalate	10.428	149	1386590	45.144	ng	99
61) 4-Chlorophenyl-phenyle...	10.545	204	676115	42.896	ng	97
62) 4-Nitroaniline	10.592	138	345042	49.256	ng	97
63) Azobenzene	10.704	77	1391131	44.301	ng	99
65) 4,6-Dinitro-2-methylph...	10.616	198	248887	47.464	ng	99
66) n-Nitrosodiphenylamine	10.669	169	1154759	43.673	ng	99
67) 4-Bromophenyl-phenylether	11.033	248	444758	44.964	ng	98
68) Hexachlorobenzene	11.110	284	496368	47.386	ng	95
69) Atrazine	11.192	200	398920	52.389	ng	98
70) Pentachlorophenol	11.310	266	475184	106.917	ng	99
71) Phenanthrene	11.528	178	1877670	43.601	ng	99
72) Anthracene	11.581	178	1890824	42.861	ng	100
73) Carbazole	11.733	167	1751385	44.217	ng	99
74) Di-n-butylphthalate	12.045	149	2019978	42.807	ng	100
75) Fluoranthene	12.722	202	1971746	42.072	ng	97
77) Benzidine	12.839	184	367669	114.372	ng	97
78) Pyrene	12.951	202	2051505	47.820	ng	99
80) Butylbenzylphthalate	13.557	149	862537	49.145	ng	92
81) Benzo(a)anthracene	14.145	228	1736177	46.468	ng	99
82) 3,3'-Dichlorobenzidine	14.098	252	323961	33.403	ng	97
83) Chrysene	14.180	228	1620282	45.891	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	1128982	51.156	ng	# 98
85) Di-n-octyl phthalate	14.727	149	1856946	53.710	ng	100
87) Indeno(1,2,3-cd)pyrene	17.257	276	1563870	51.880	ng	99
88) Benzo(b)fluoranthene	15.227	252	1484546	47.327	ng	99
89) Benzo(k)fluoranthene	15.257	252	1445523	47.157	ng	100
90) Benzo(a)pyrene	15.616	252	1307189	44.702	ng	99
91) Dibenzo(a,h)anthracene	17.268	278	1266166	51.471	ng	99
92) Benzo(g,h,i)perylene	17.739	276	1265858	49.248	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

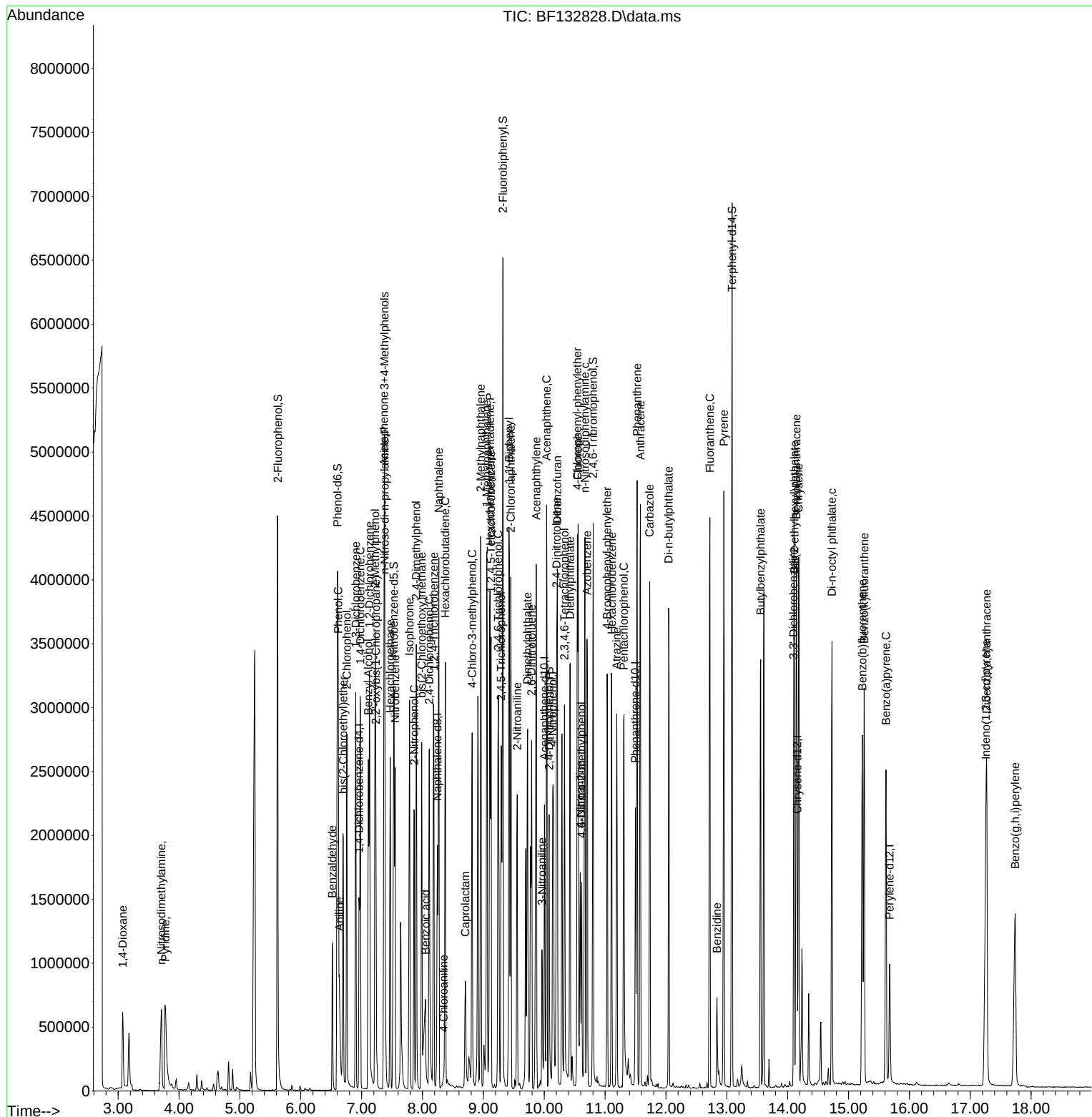
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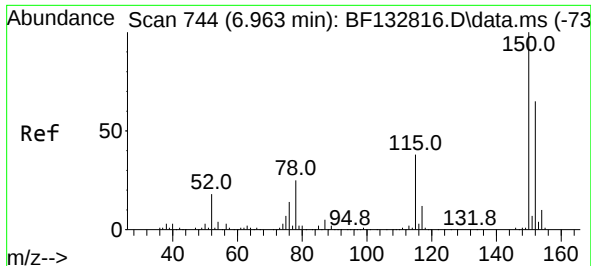
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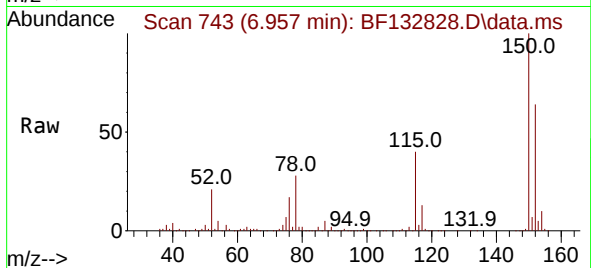
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

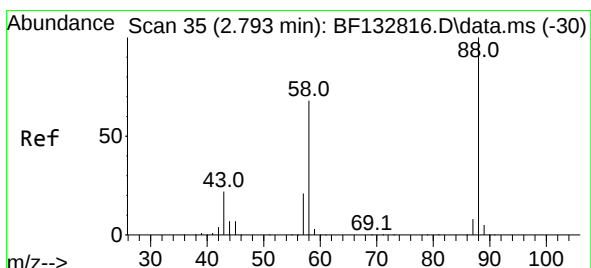
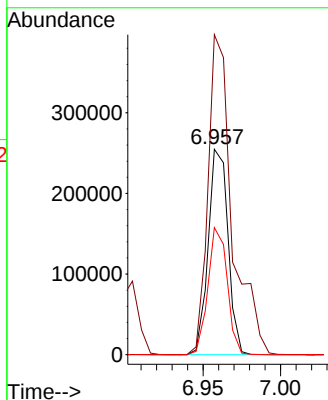
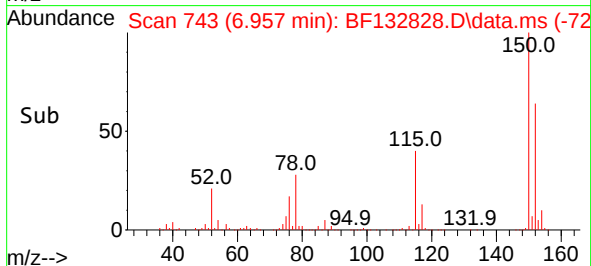
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:152 Resp: 22635
Ion Ratio Lower Upper
152 100
150 155.8 122.7 184.1
115 61.8 46.2 69.4

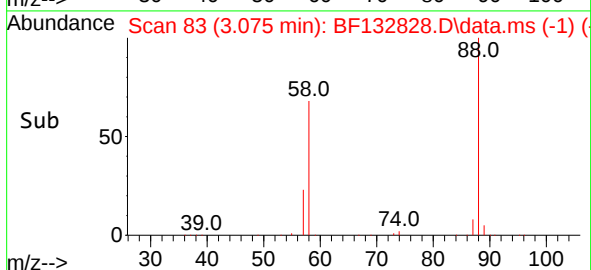
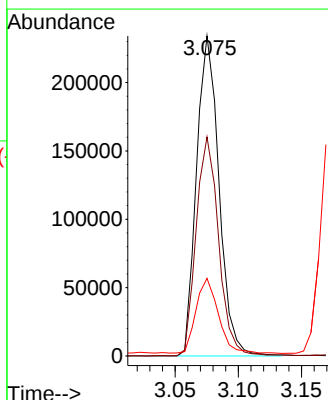
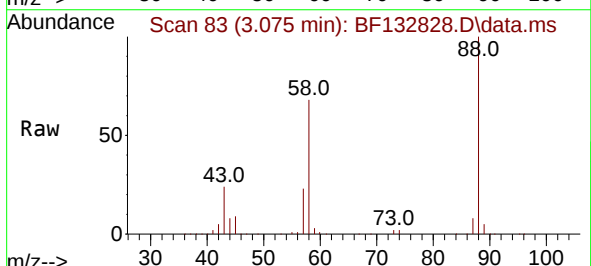
Manual Integrations
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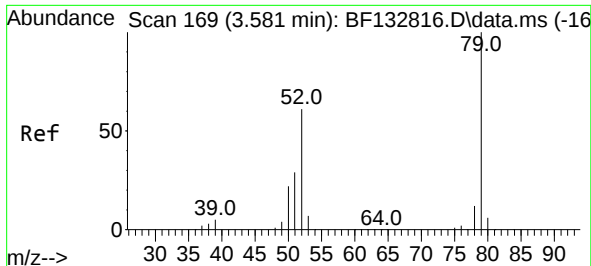
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#2
1,4-Dioxane
Concen: 38.375 ng m
RT: 3.075 min Scan# 83
Delta R.T. 0.283 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

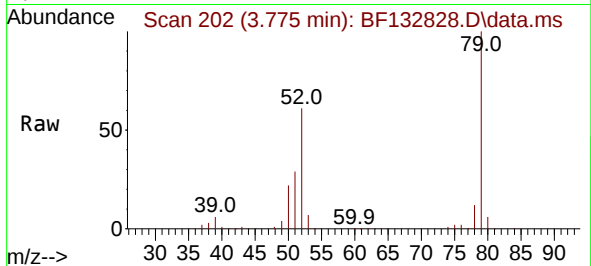
Tgt Ion: 88 Resp: 290130
Ion Ratio Lower Upper
88 100
58 0.0 53.8 80.8#
43 0.0 18.2 27.4#





#3
Pyridine
Concen: 36.155 ng
RT: 3.775 min Scan# 20
Delta R.T. 0.194 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

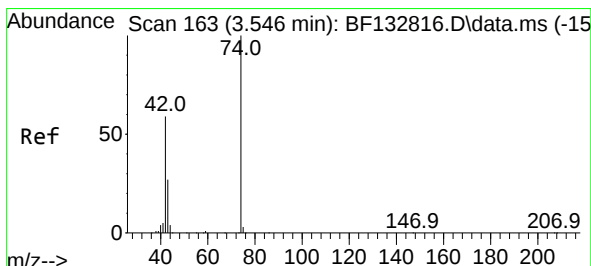
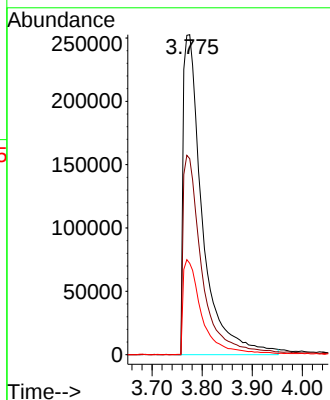
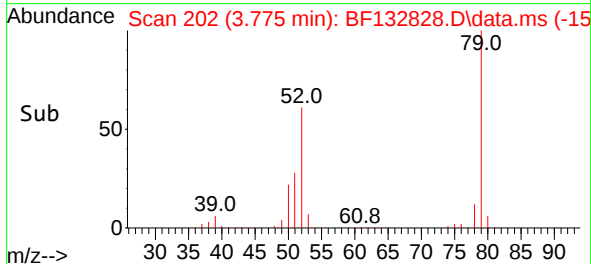
Instrument :
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ClientSampleId :
HILLBOR-DRUMS-0314



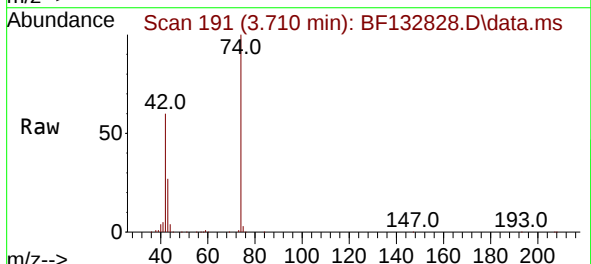
Tgt Ion: 79 Resp: 67267
Ion Ratio Lower Upper
79 100
52 61.2 48.5 72.7
51 28.6 23.1 34.7

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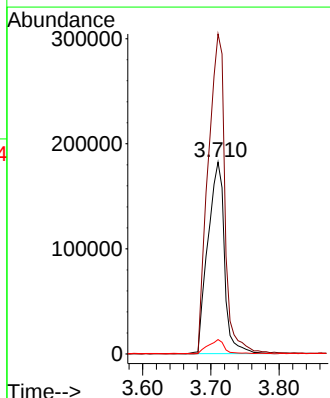
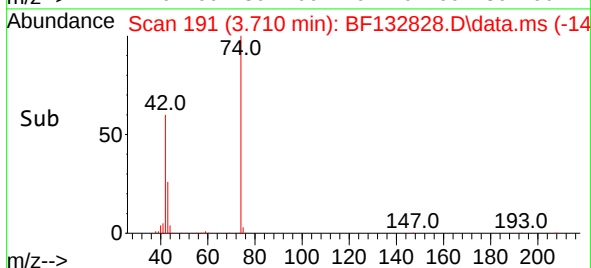
Reviewed By :Christian Giraldo 03/20/2023
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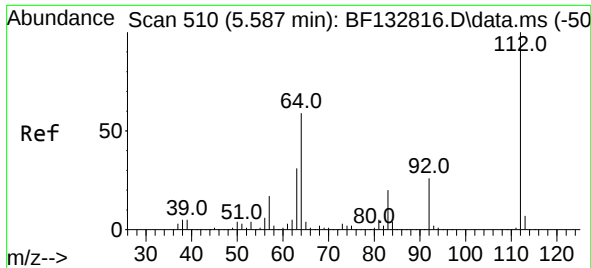


#4
n-Nitrosodimethylamine
Concen: 44.630 ng
RT: 3.710 min Scan# 191
Delta R.T. 0.165 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52



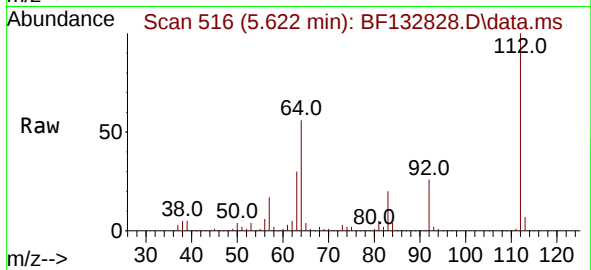
Tgt Ion: 42 Resp: 308270
Ion Ratio Lower Upper
42 100
74 166.8 135.2 202.8
44 7.5 6.0 9.0





#5
2-Fluorophenol
Concen: 115.508 ng
RT: 5.622 min Scan# 510
Delta R.T. 0.036 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

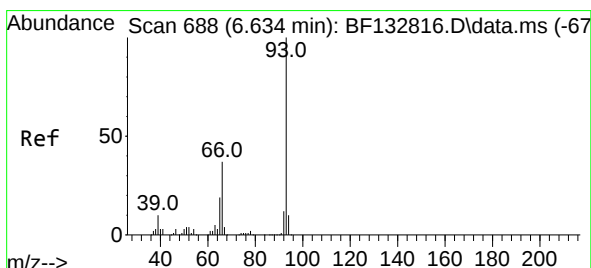
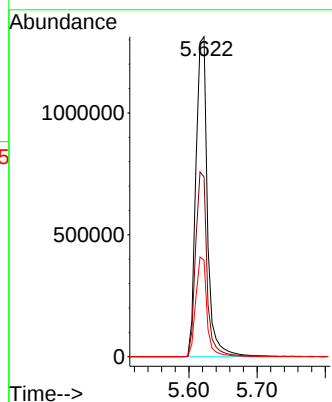
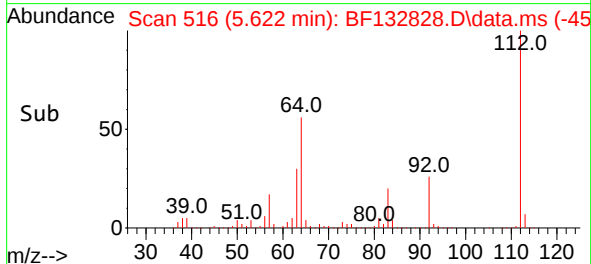
Instrument :
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Tgt Ion:112 Resp: 1549450
Ion Ratio Lower Upper
112 100
64 56.2 47.1 70.7
63 30.1 24.4 36.6

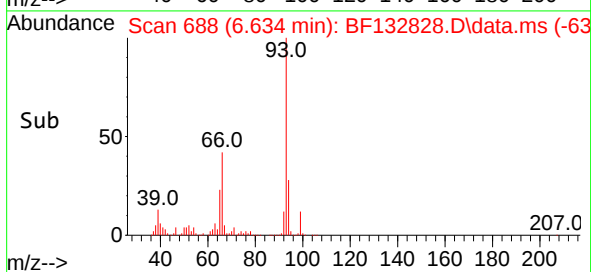
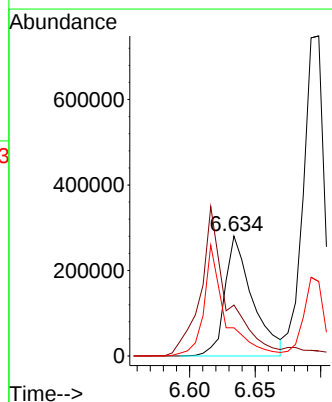
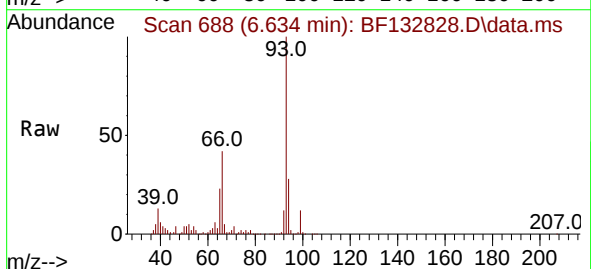
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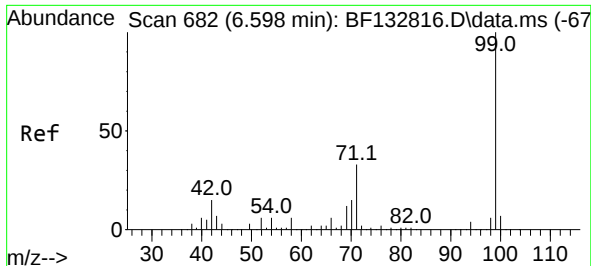
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#6
Aniline
Concen: 20.543 ng
RT: 6.634 min Scan# 688
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

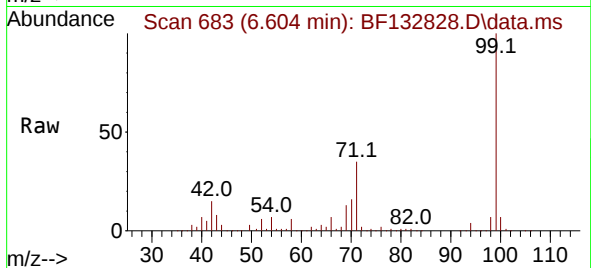
Tgt Ion: 93 Resp: 410849
Ion Ratio Lower Upper
93 100
66 42.5 30.1 45.1
65 23.5 15.0 22.6#





#7
Phenol-d6
Concen: 106.927 ng
RT: 6.604 min Scan# 683
Delta R.T. 0.006 min
Lab File: BF132828.D
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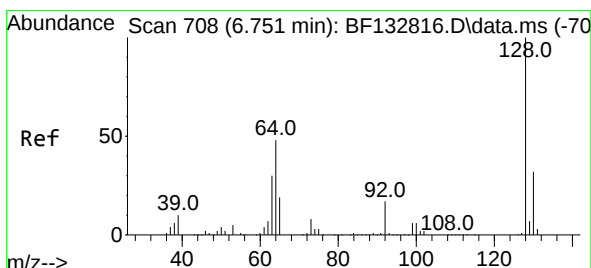
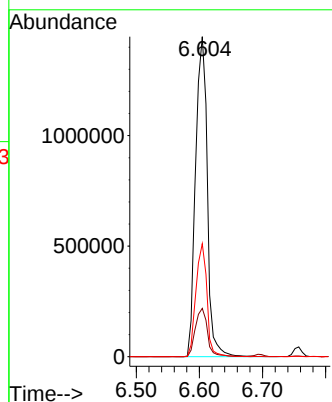
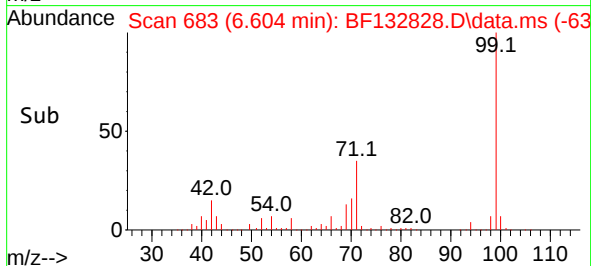
Instrument :
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HILLBOR-DRUMS-0314



Tgt Ion: 99 Resp: 186173
Ion Ratio Lower Upper
99 100
42 15.1 11.9 17.9
71 35.3 26.3 39.5

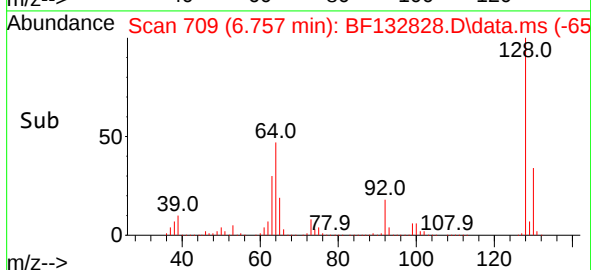
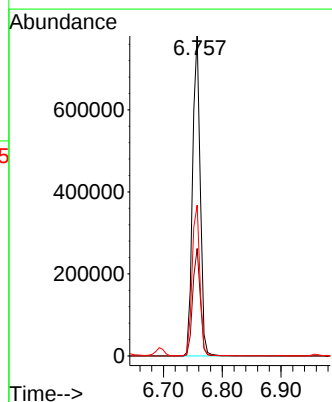
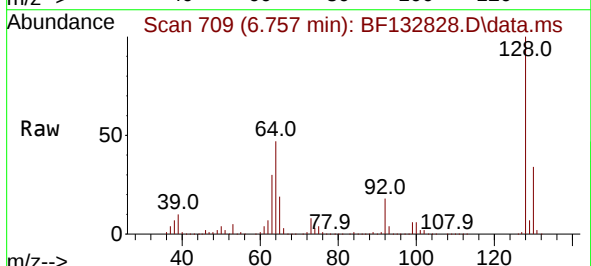
Manual Integrations
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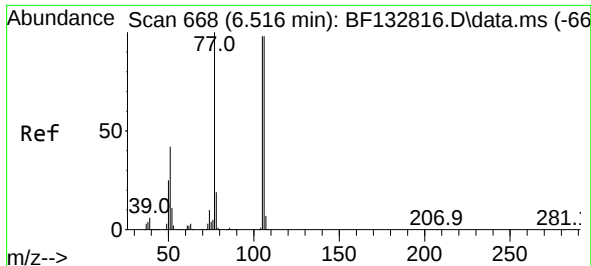
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#8
2-Chlorophenol
Concen: 49.312 ng
RT: 6.757 min Scan# 709
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

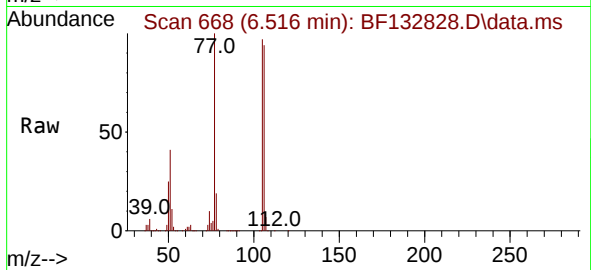
Tgt Ion:128 Resp: 705860
Ion Ratio Lower Upper
128 100
130 33.6 12.4 52.4
64 47.2 28.4 68.4





#9
Benzaldehyde
Concen: 34.877 ng
RT: 6.516 min Scan# 60
Delta R.T. 0.000 min
Lab File: BF132828.D
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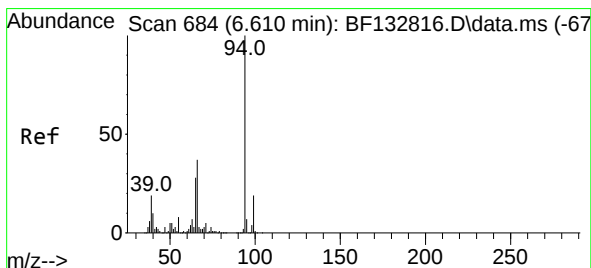
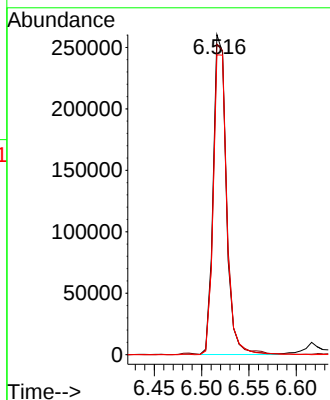
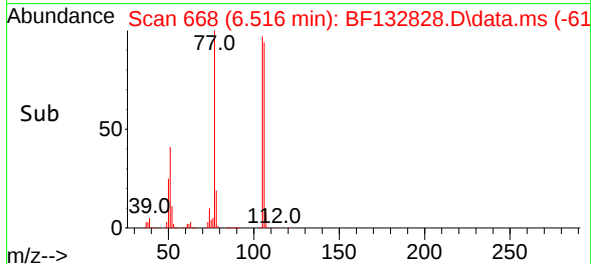
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BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion: 77 Resp: 249890
Ion Ratio Lower Upper
77 100
105 97.1 77.5 117.5
106 93.7 78.5 118.5

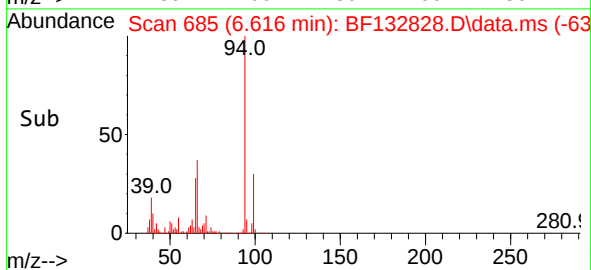
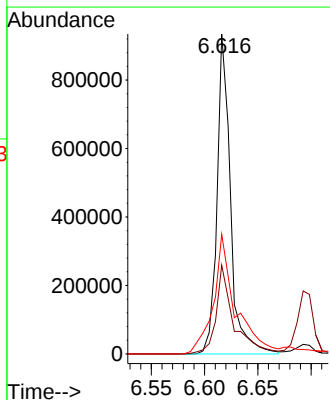
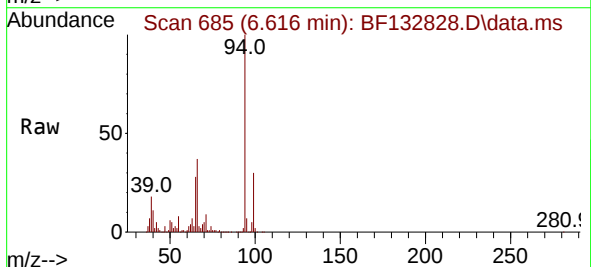
Manual Integrations
APPROVED

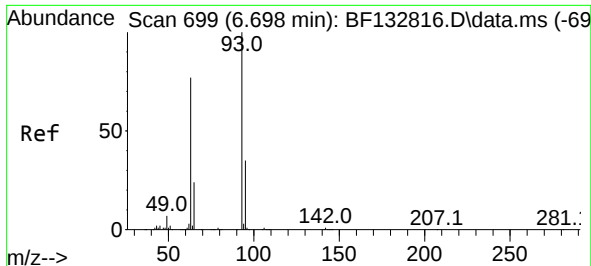
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#10
Phenol
Concen: 41.394 ng
RT: 6.616 min Scan# 685
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

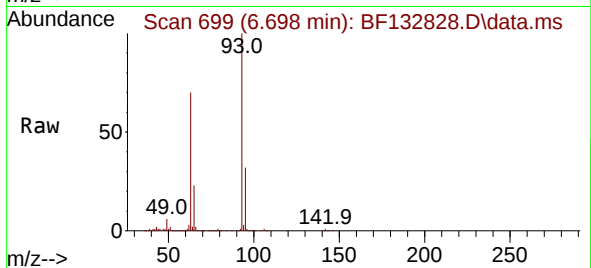
Tgt Ion: 94 Resp: 818750
Ion Ratio Lower Upper
94 100
65 27.8 7.7 47.7
66 37.4 16.5 56.5





#11
bis(2-Chloroethyl)ether
Concen: 47.224 ng
RT: 6.698 min Scan# 699
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

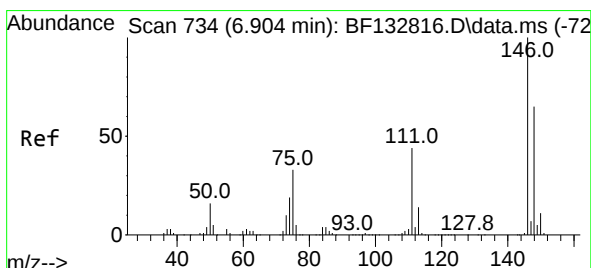
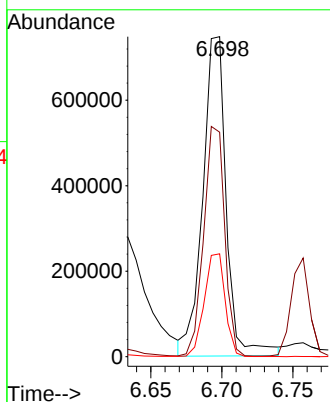
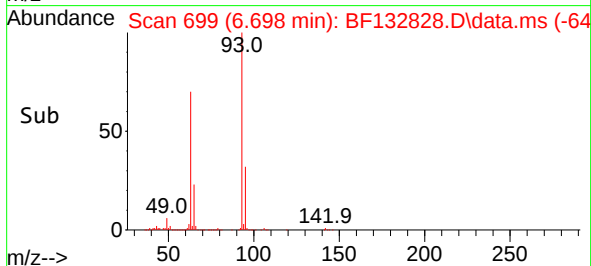
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



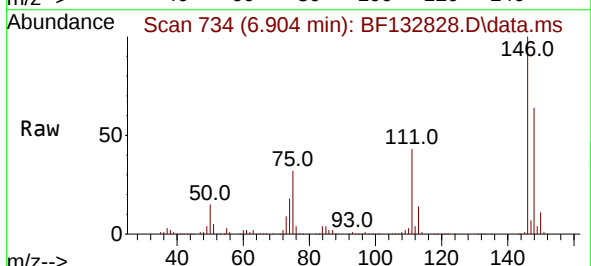
Tgt Ion: 93 Resp: 863850
Ion Ratio Lower Upper
93 100
63 70.2 50.5 90.5
95 32.1 11.8 51.8

Manual Integrations
APPROVED

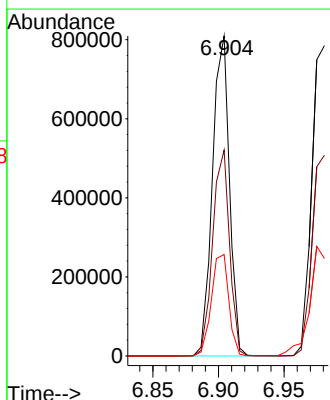
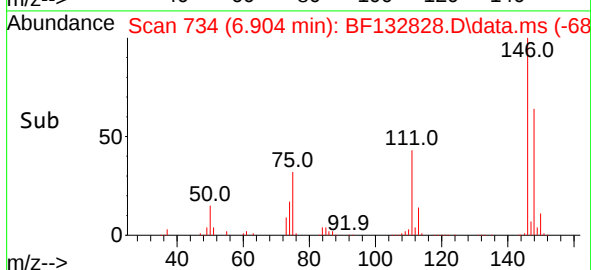
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023

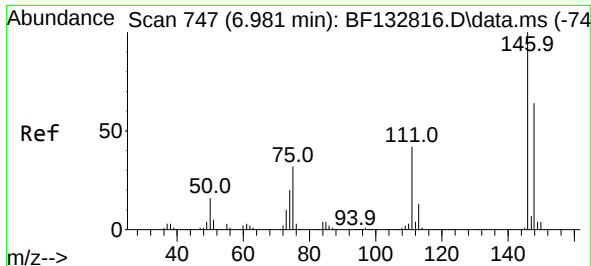


#12
1,3-Dichlorobenzene
Concen: 46.986 ng
RT: 6.904 min Scan# 734
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52



Tgt Ion:146 Resp: 728925
Ion Ratio Lower Upper
146 100
148 64.3 51.8 77.8
75 31.7 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 47.066 ng

RT: 6.981 min Scan# 747

Delta R.T. 0.000 min

Lab File: BF132828.D

Acq: 17 Mar 2023 17:52

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

Tgt Ion:146 Resp: 728772

Ion Ratio Lower Upper

146 100

148 64.7 51.2 76.8

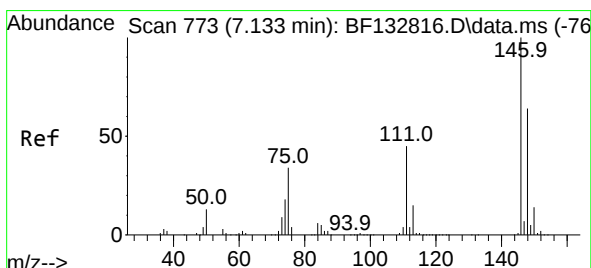
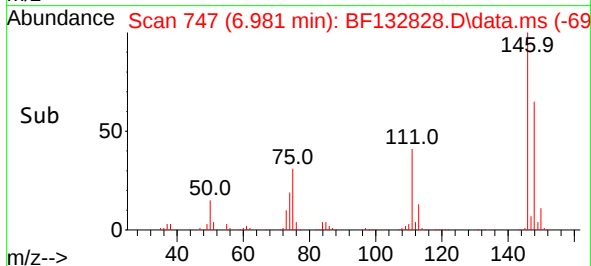
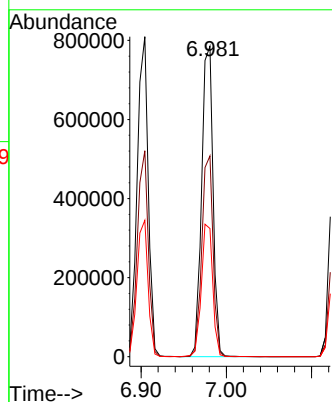
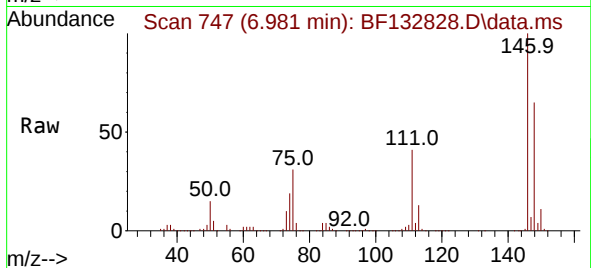
111 41.3 33.8 50.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/20/2023

Supervised By :Jagrut Upadhyay 03/20/2023



#14

1,2-Dichlorobenzene

Concen: 49.391 ng

RT: 7.128 min Scan# 772

Delta R.T. -0.006 min

Lab File: BF132828.D

Acq: 17 Mar 2023 17:52

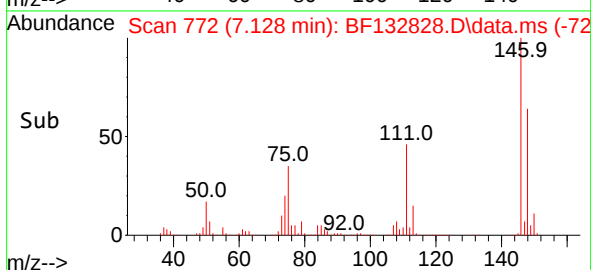
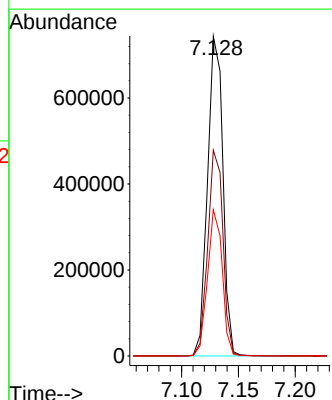
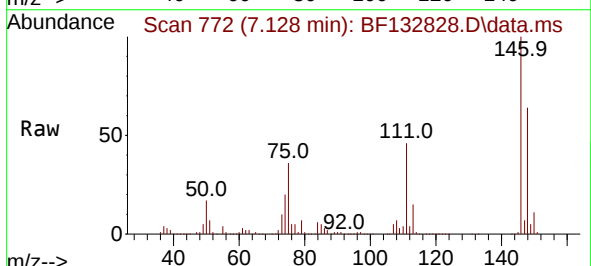
Tgt Ion:146 Resp: 697815

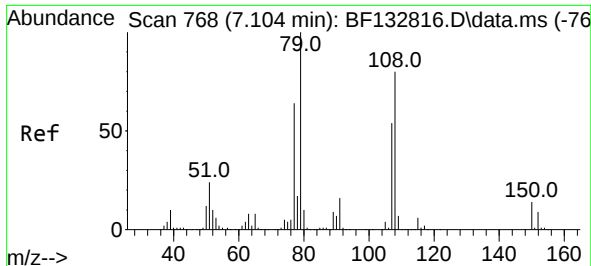
Ion Ratio Lower Upper

146 100

148 64.3 50.9 76.3

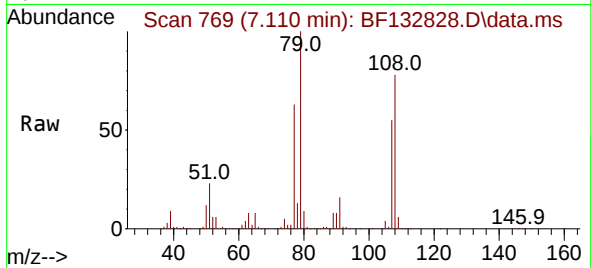
111 45.7 35.8 53.8





#15
Benzyl Alcohol
Concen: 64.081 ng
RT: 7.110 min Scan# 70
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

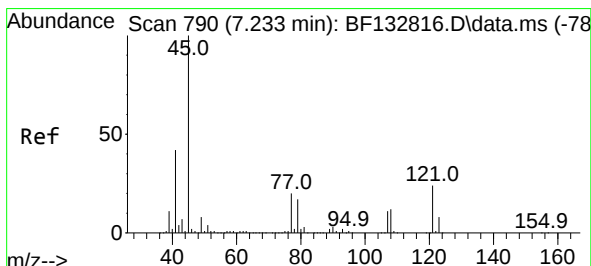
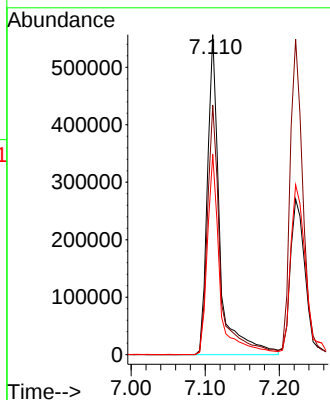
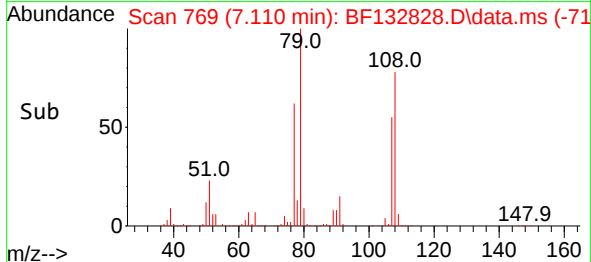
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion: 79 Resp: 645314
Ion Ratio Lower Upper
79 100
108 77.9 64.2 96.2
77 62.6 51.4 77.2

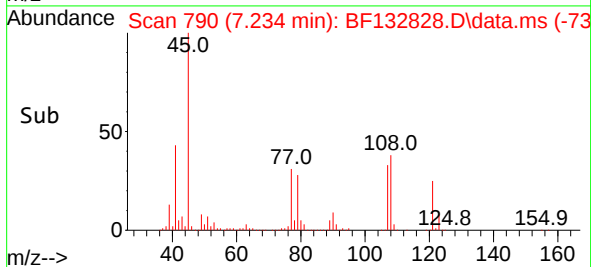
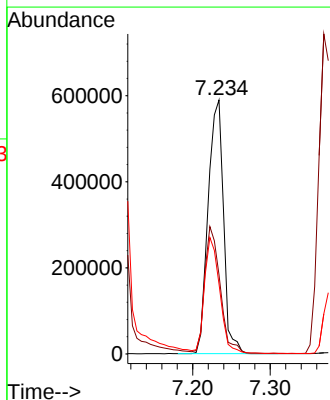
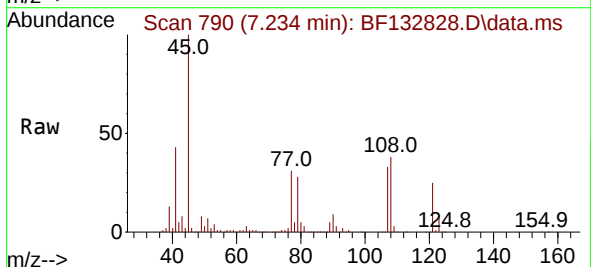
Manual Integrations
APPROVED

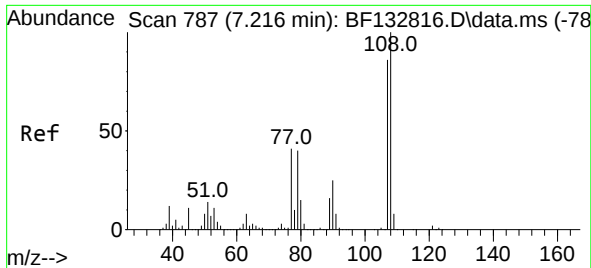
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.590 ng
RT: 7.234 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

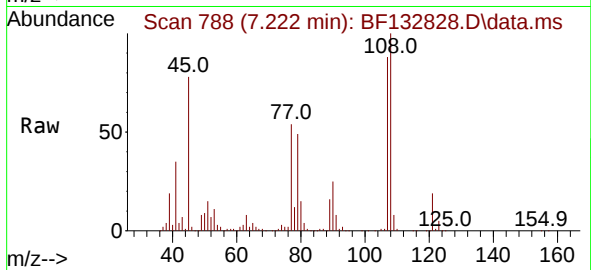
Tgt Ion: 45 Resp: 811439
Ion Ratio Lower Upper
45 100
77 31.2 0.7 40.7
79 27.6 0.0 37.2





#17
2-Methylphenol
Concen: 44.399 ng
RT: 7.222 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

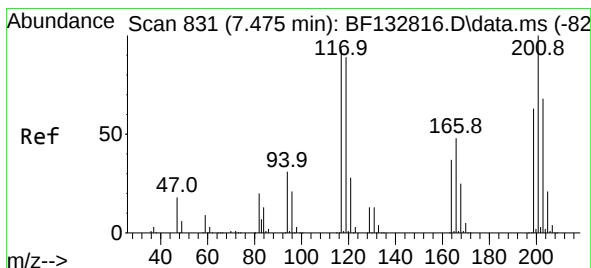
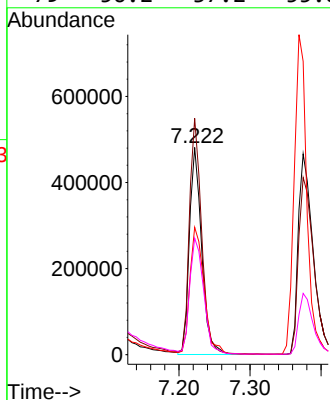
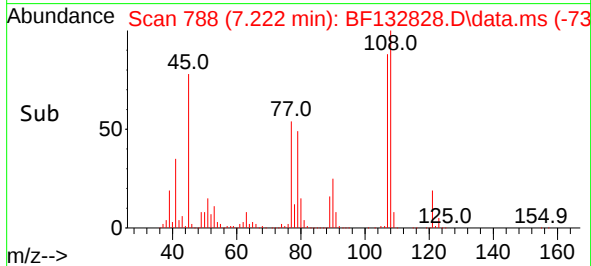
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:107 Resp: 57754
Ion Ratio Lower Upper
107 100
108 114.1 92.6 139.0
77 61.4 38.6 57.8
79 56.2 37.2 55.8#

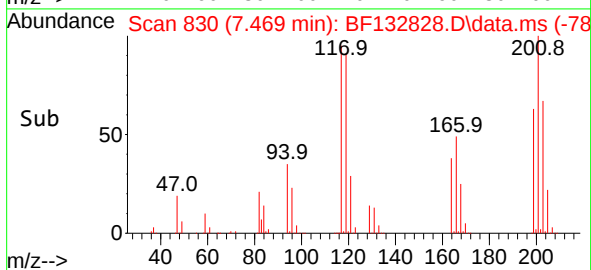
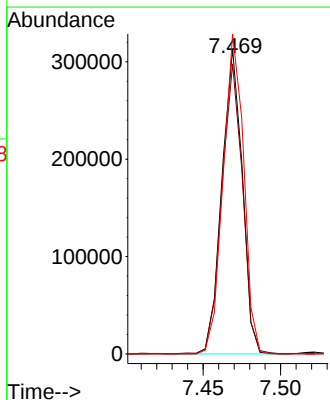
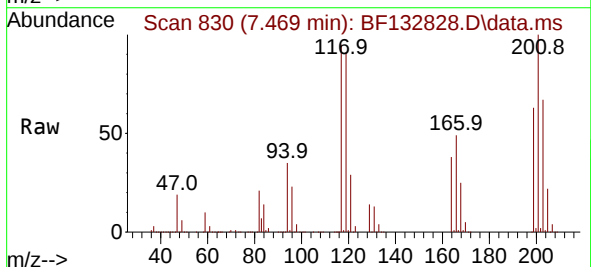
Manual Integrations
APPROVED

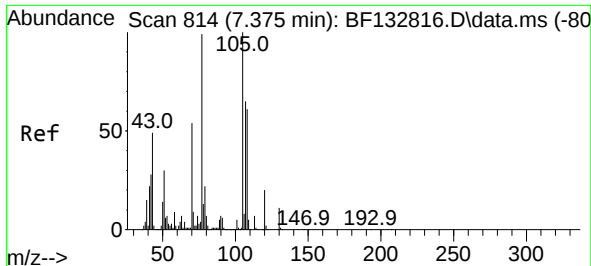
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#18
Hexachloroethane
Concen: 48.410 ng
RT: 7.469 min Scan# 830
Delta R.T. -0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

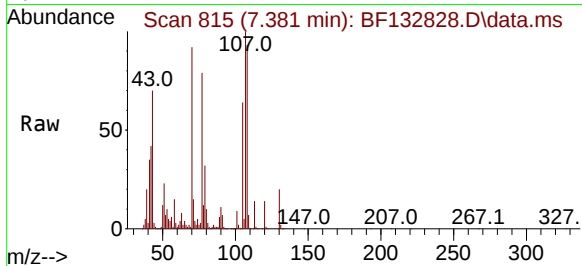
Tgt Ion:117 Resp: 286849
Ion Ratio Lower Upper
117 100
119 95.1 77.3 115.9
201 104.9 86.4 129.6





#19
n-Nitroso-di-n-propylamine
Concen: 46.325 ng
RT: 7.381 min Scan# 815
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

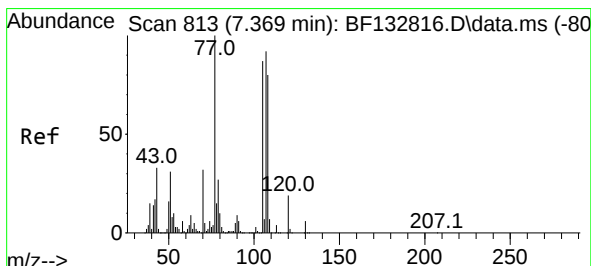
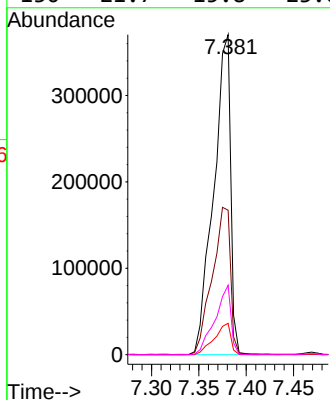
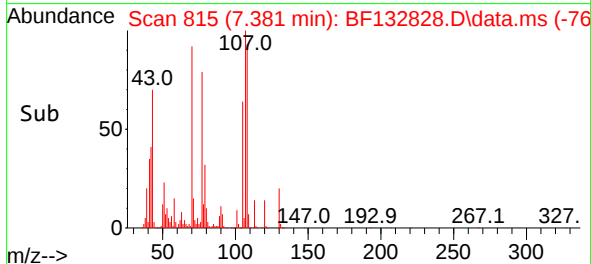
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion: 70 Resp: 460209
Ion Ratio Lower Upper
70 100
42 45.2 40.9 61.3
101 9.8 7.8 11.6
130 21.7 15.8 23.6

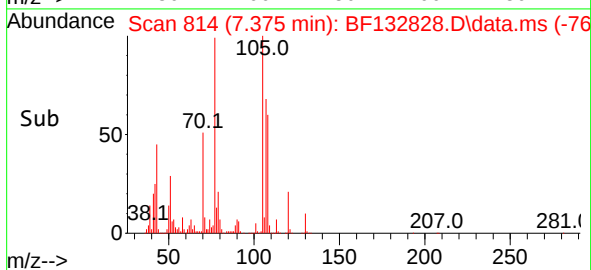
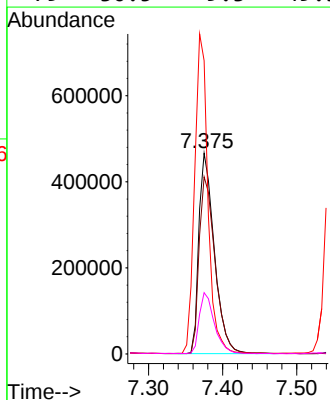
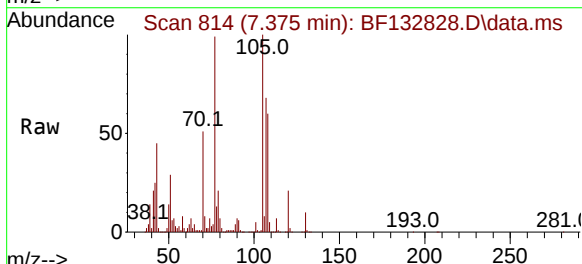
Manual Integrations
APPROVED

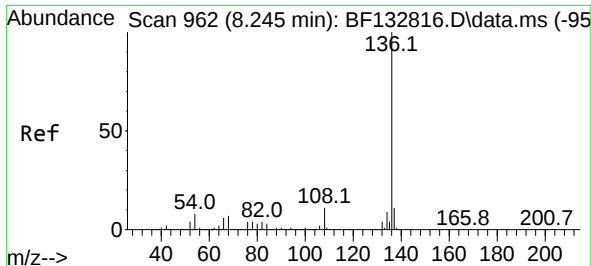
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#20
3+4-Methylphenols
Concen: 43.103 ng
RT: 7.375 min Scan# 814
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

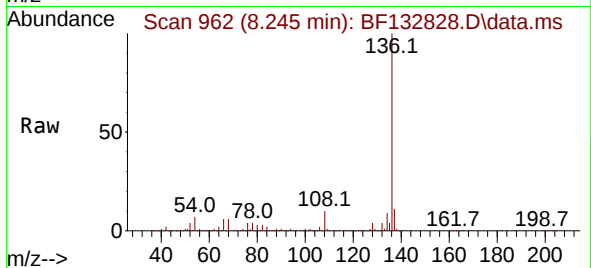
Tgt Ion:107 Resp: 675114
Ion Ratio Lower Upper
107 100
108 88.3 67.6 107.6
77 146.1 89.1 129.1#
79 30.5 9.3 49.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

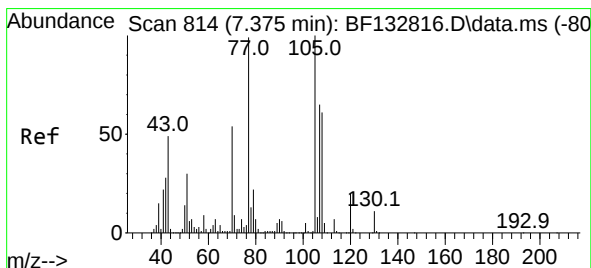
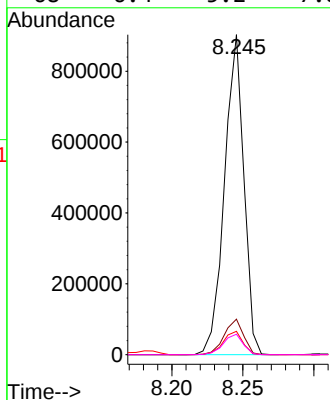
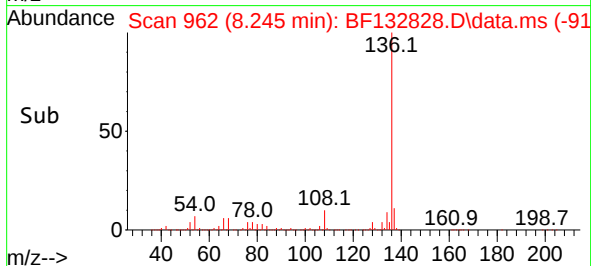
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



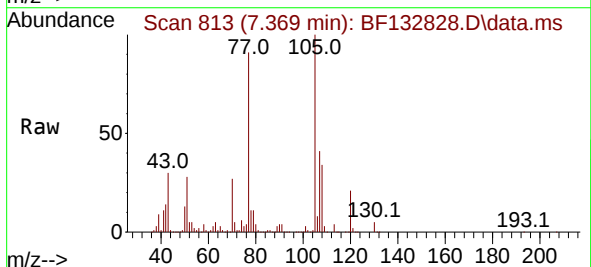
Tgt Ion:136 Resp: 852298
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 7.3 6.1 9.1
68 6.4 5.2 7.8

Manual Integrations
APPROVED

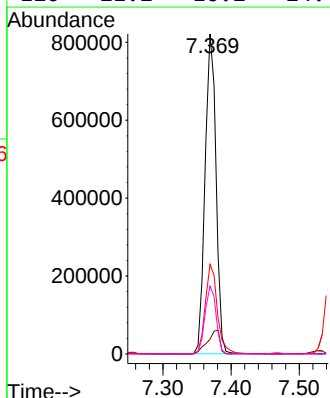
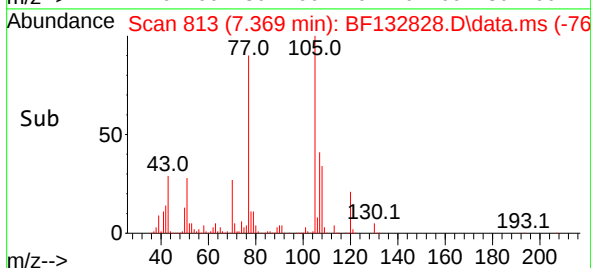
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023

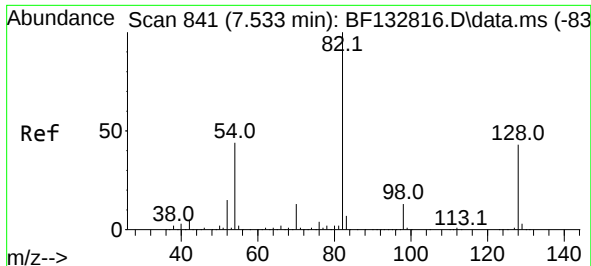


#22
Acetophenone
Concen: 45.106 ng
RT: 7.369 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52



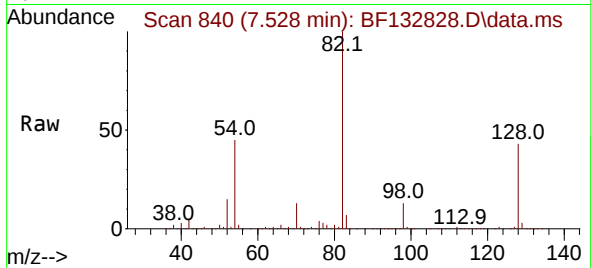
Tgt Ion:105 Resp: 917895
Ion Ratio Lower Upper
105 100
71 4.6 7.3 10.9#
51 28.0 23.9 35.9
120 21.2 16.2 24.4





#23
Nitrobenzene-d5
Concen: 84.664 ng
RT: 7.528 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

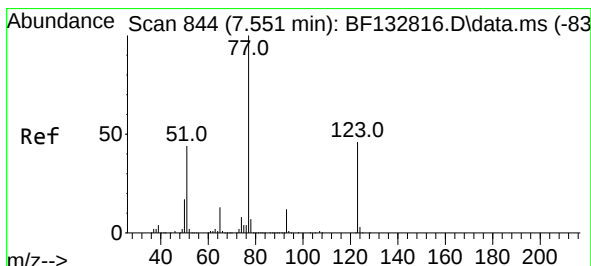
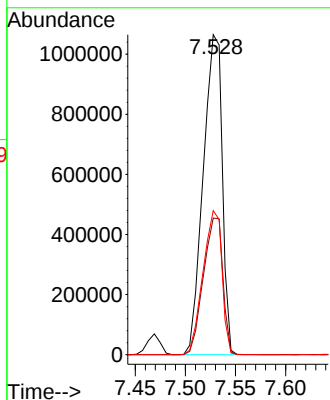
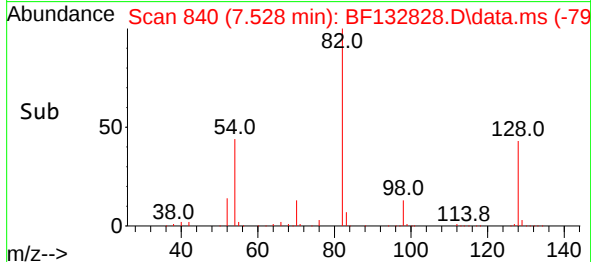
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion: 82 Resp: 1410045
Ion Ratio Lower Upper
82 100
128 42.7 34.4 51.6
54 45.0 35.2 52.8

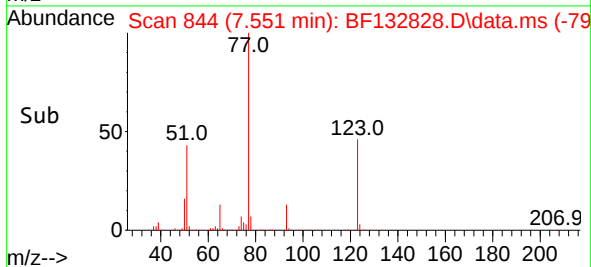
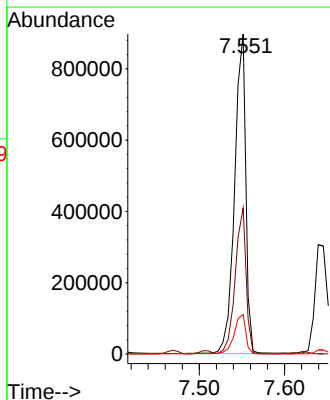
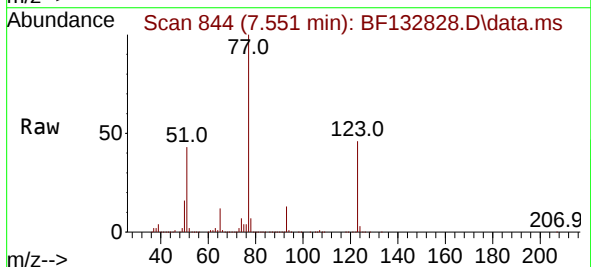
Manual Integrations
APPROVED

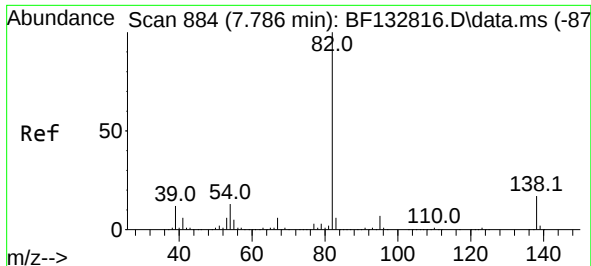
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#24
Nitrobenzene
Concen: 45.431 ng
RT: 7.551 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

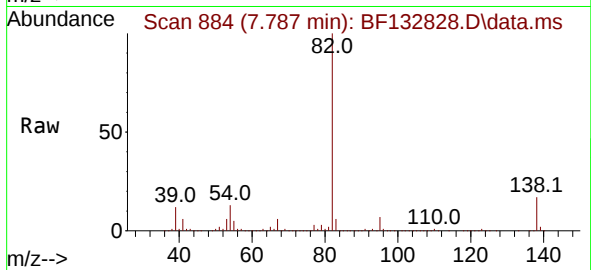
Tgt Ion: 77 Resp: 818014
Ion Ratio Lower Upper
77 100
123 45.7 36.4 54.6
65 12.3 10.3 15.5





#25
Isophorone
Concen: 45.214 ng
RT: 7.787 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

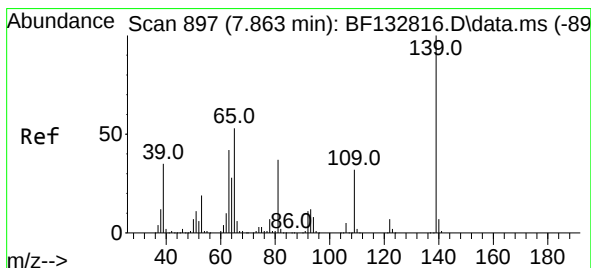
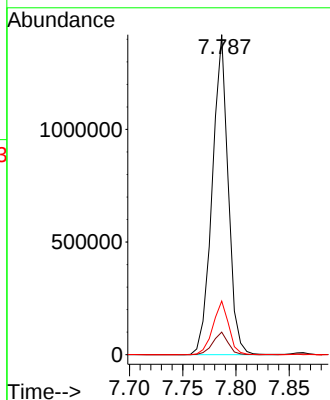
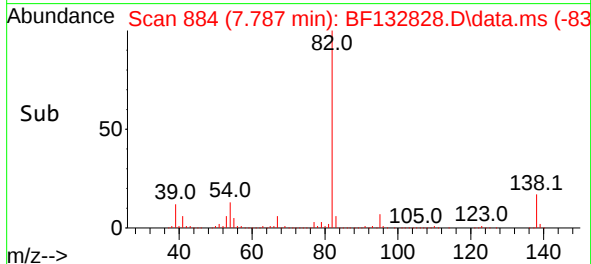
Instrument :
BNA_F
Client SampleId :
HILLBOR-DRUMS-0314



Tgt Ion: 82 Resp: 1480329
Ion Ratio Lower Upper
82 100
95 7.1 5.7 8.5
138 16.7 13.7 20.5

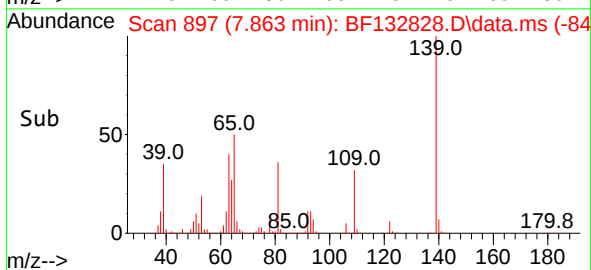
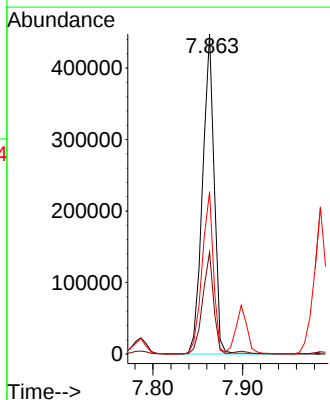
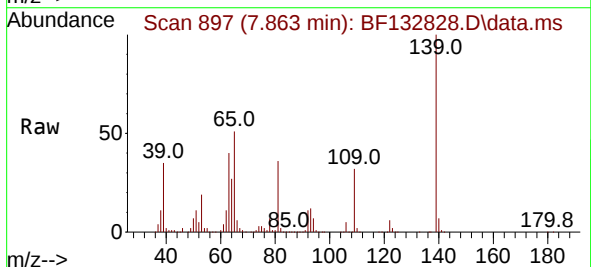
Manual Integrations
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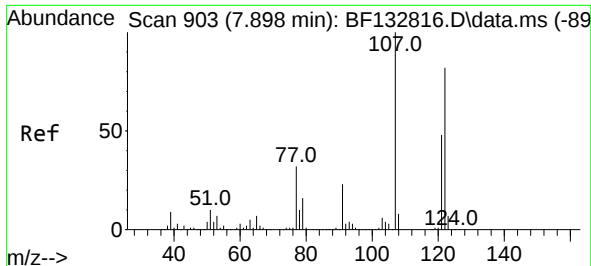
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#26
2-Nitrophenol
Concen: 48.002 ng
RT: 7.863 min Scan# 897
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

Tgt Ion:139 Resp: 402593
Ion Ratio Lower Upper
139 100
109 31.8 25.8 38.8
65 50.7 42.7 64.1





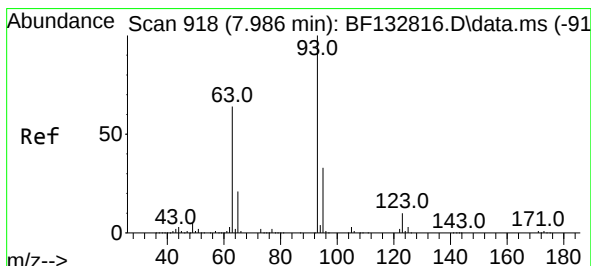
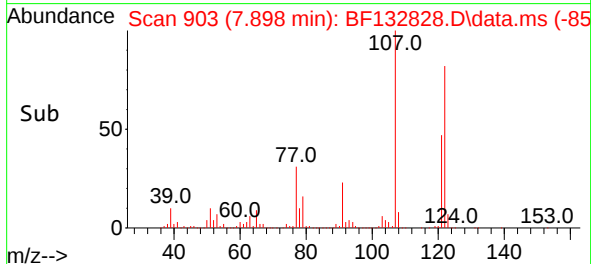
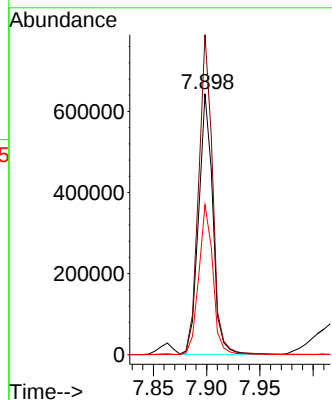
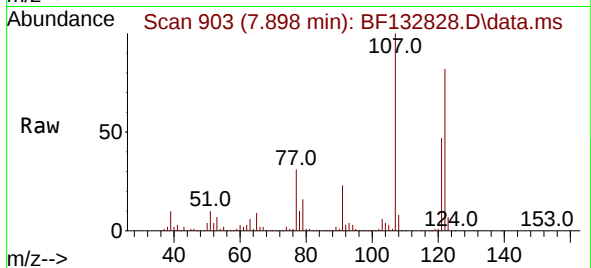
#27
2,4-Dimethylphenol
Concen: 45.921 ng
RT: 7.898 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion:122 Resp: 596702
Ion Ratio Lower Upper
122 100
107 122.7 97.0 145.4
121 57.5 46.4 69.6

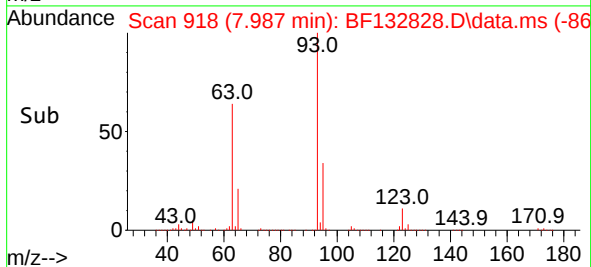
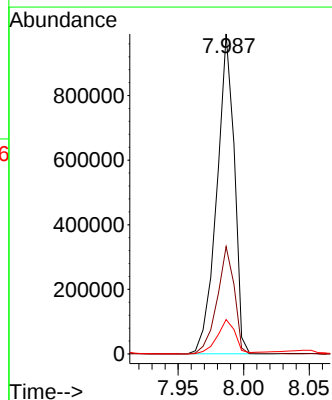
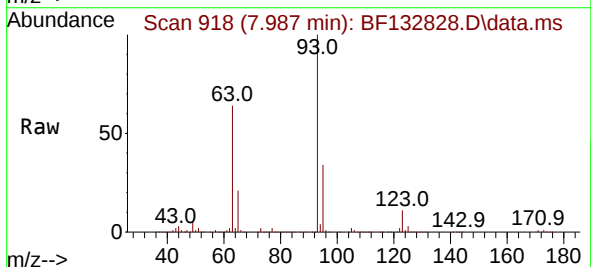
Manual Integrations
APPROVED

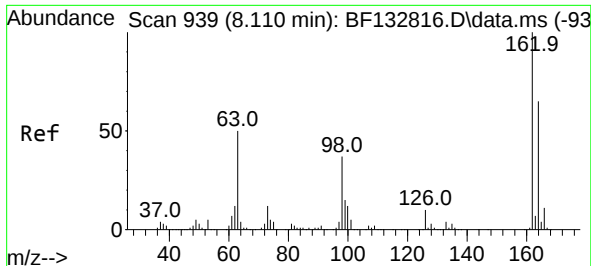
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#28
bis(2-Chloroethoxy)methane
Concen: 46.619 ng
RT: 7.987 min Scan# 918
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

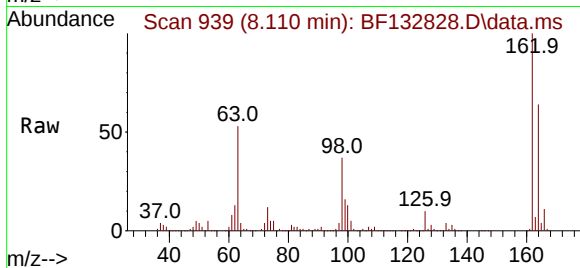
Tgt Ion: 93 Resp: 916767
Ion Ratio Lower Upper
93 100
95 33.6 26.4 39.6
123 10.7 8.4 12.6





#29
2,4-Dichlorophenol
Concen: 48.808 ng
RT: 8.110 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

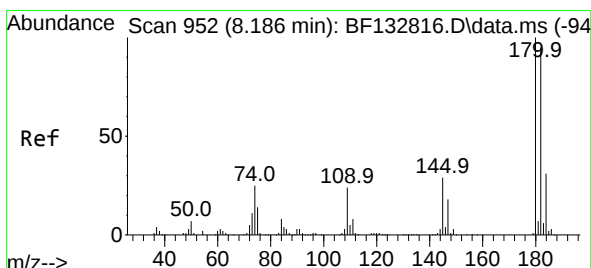
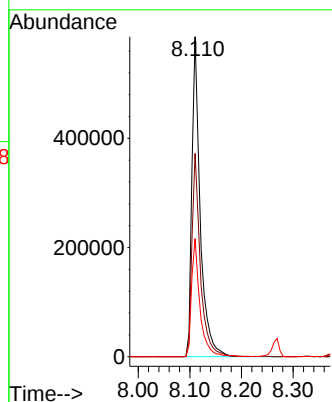
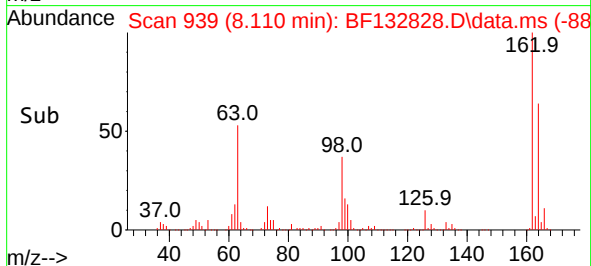
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



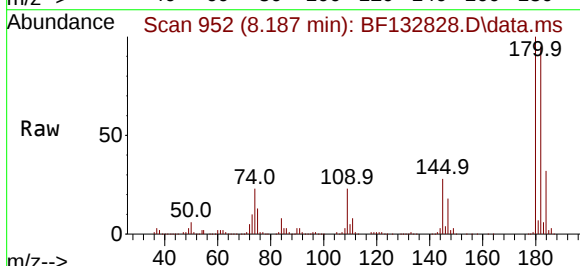
Tgt Ion:162 Resp: 65660
Ion Ratio Lower Upper
162 100
164 63.5 44.7 84.7
98 36.9 16.6 56.6

Manual Integrations
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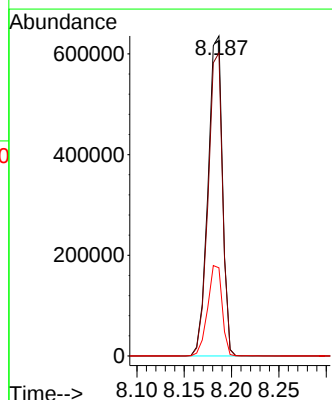
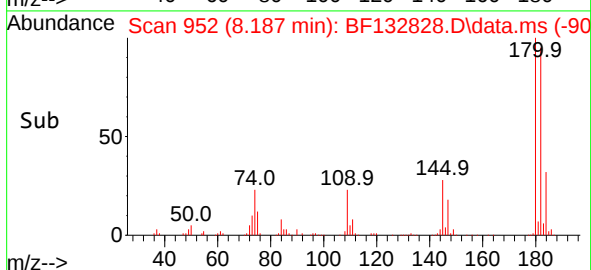
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023

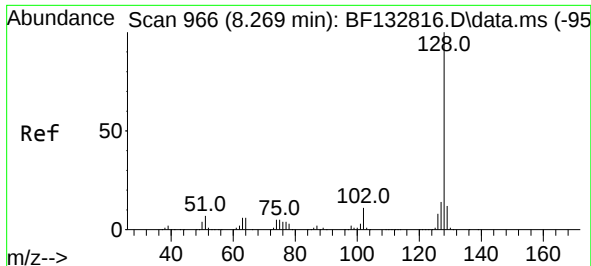


#30
1,2,4-Trichlorobenzene
Concen: 46.778 ng
RT: 8.187 min Scan# 952
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52



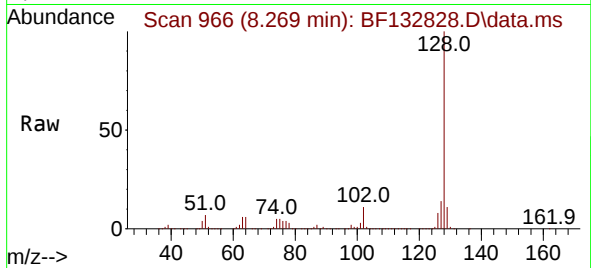
Tgt Ion:180 Resp: 673098
Ion Ratio Lower Upper
180 100
182 94.7 75.9 113.9
145 27.6 23.0 34.4





#31
Naphthalene
Concen: 45.099 ng
RT: 8.269 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

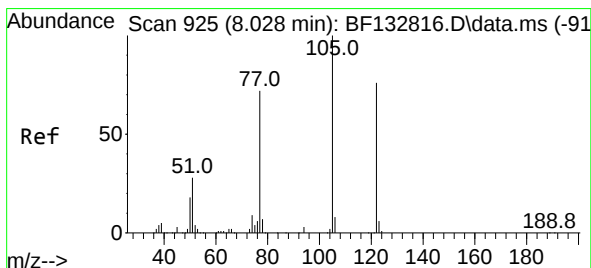
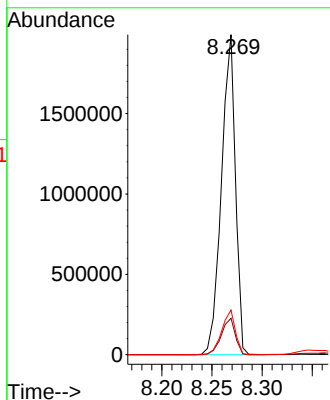
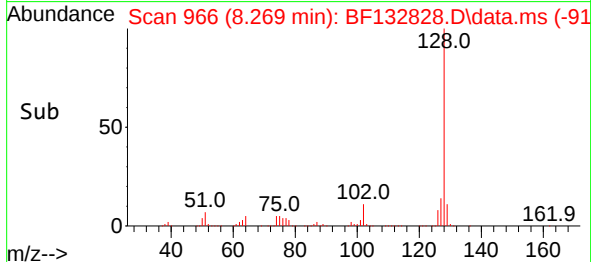
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:128 Resp: 192829
Ion Ratio Lower Upper
128 100
129 11.4 9.4 14.2
127 14.0 11.1 16.7

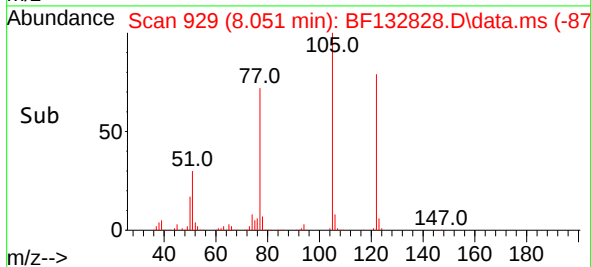
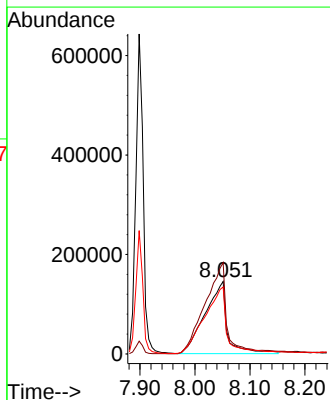
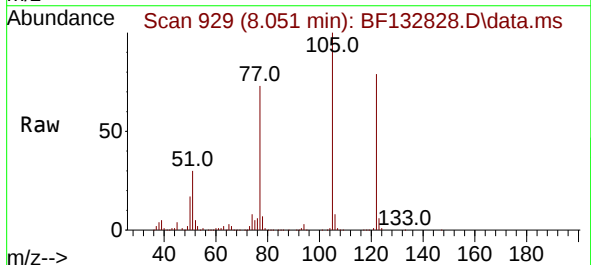
Manual Integrations
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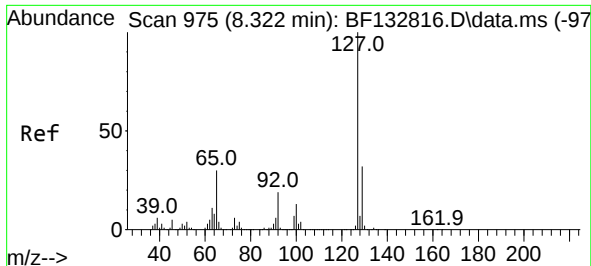
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#32
Benzoic acid
Concen: 50.351 ng
RT: 8.051 min Scan# 929
Delta R.T. 0.023 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

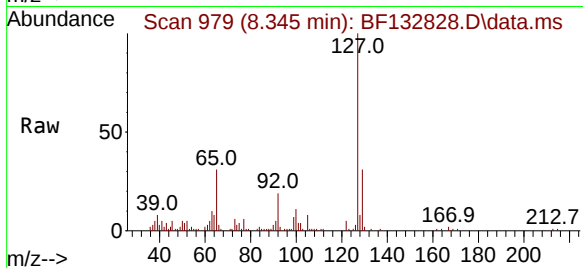
Tgt Ion:122 Resp: 409522
Ion Ratio Lower Upper
122 100
105 126.1 110.8 150.8
77 92.6 74.2 114.2





#33
4-Chloroaniline
Concen: 9.192 ng m
RT: 8.345 min Scan# 91
Delta R.T. 0.024 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

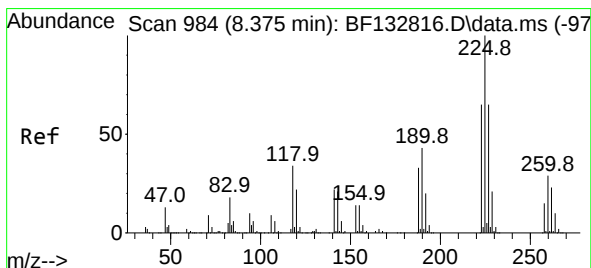
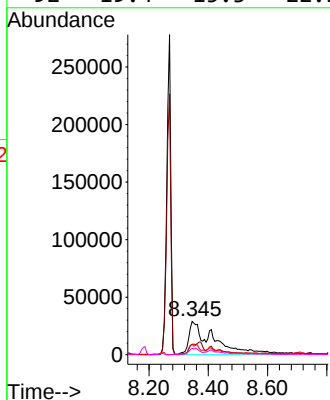
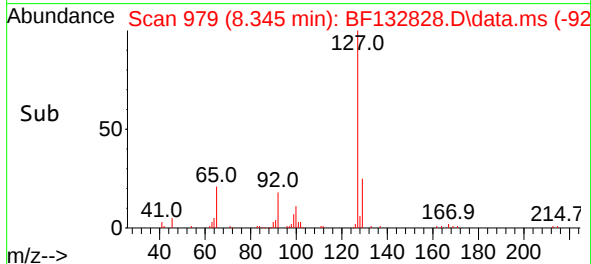
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:127 Resp: 17134
Ion Ratio Lower Upper
127 100
129 31.2 25.8 38.6
65 30.7 24.1 36.1
92 19.4 15.3 22.9

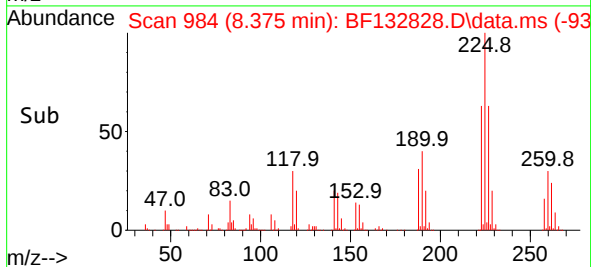
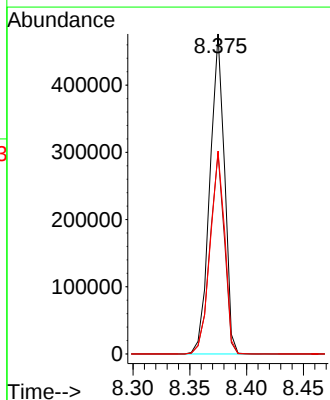
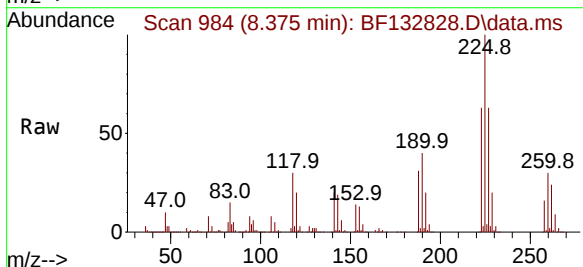
Manual Integrations
APPROVED

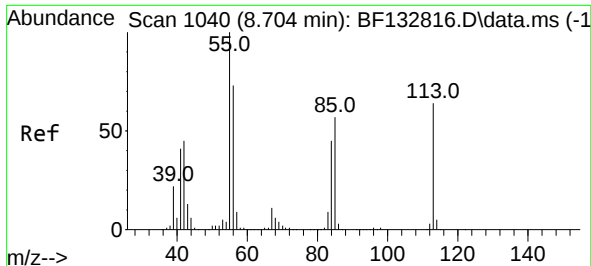
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#34
Hexachlorobutadiene
Concen: 46.455 ng
RT: 8.375 min Scan# 984
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

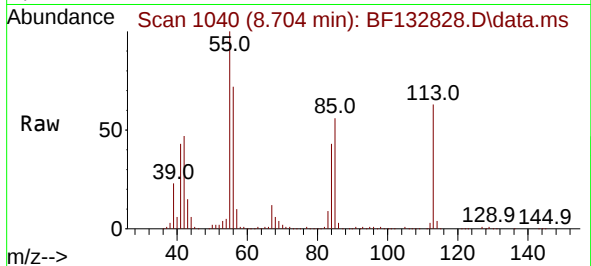
Tgt Ion:225 Resp: 424103
Ion Ratio Lower Upper
225 100
223 62.8 51.8 77.6
227 63.4 52.2 78.2





#35
Caprolactam
Concen: 44.842 ng m
RT: 8.704 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

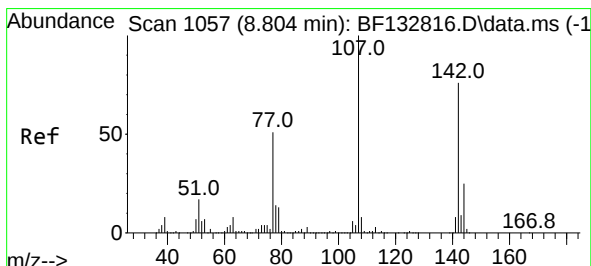
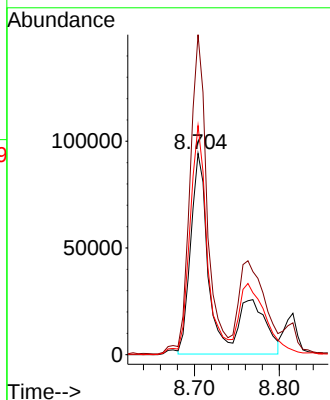
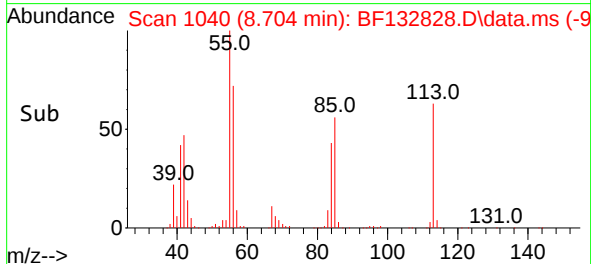
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:113 Resp: 184948
Ion Ratio Lower Upper
113 100
55 159.0 136.3 176.3
56 113.9 94.7 134.7

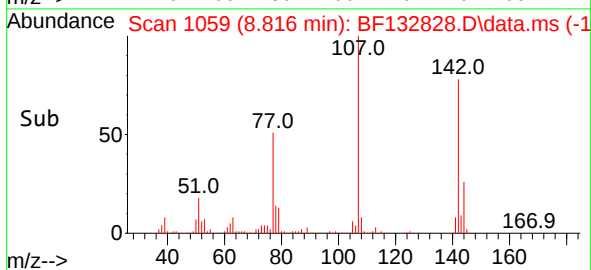
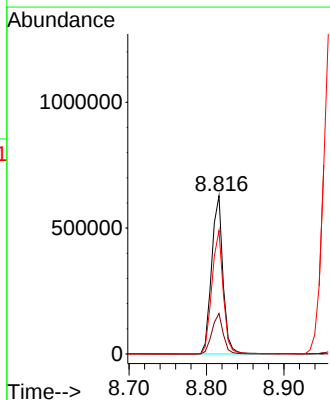
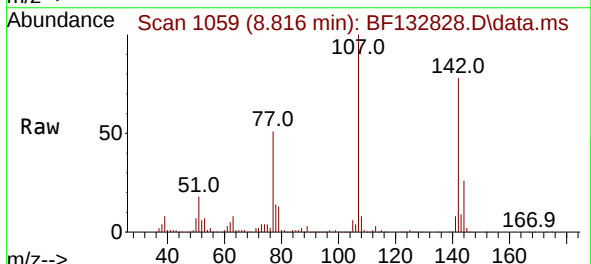
Manual Integrations
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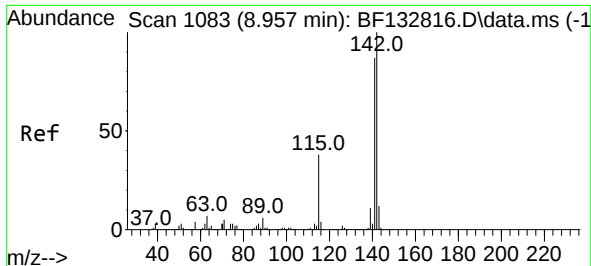
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#36
4-Chloro-3-methylphenol
Concen: 47.011 ng
RT: 8.816 min Scan# 1059
Delta R.T. 0.012 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

Tgt Ion:107 Resp: 643212
Ion Ratio Lower Upper
107 100
144 25.6 20.0 30.0
142 78.1 61.1 91.7





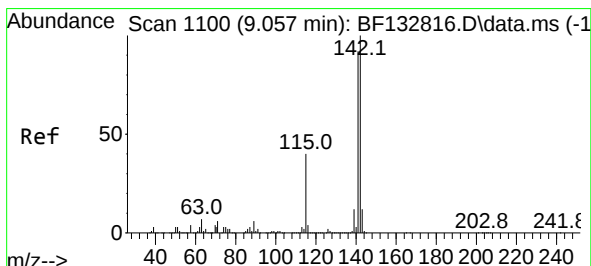
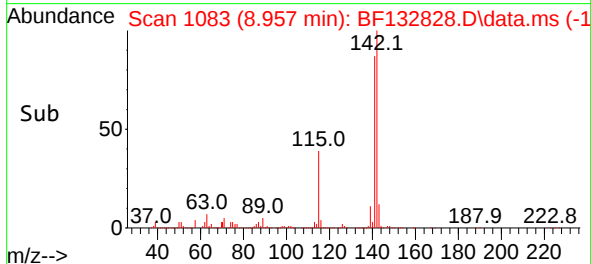
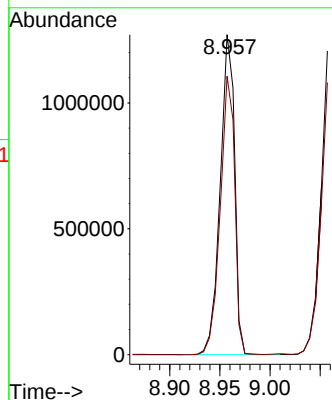
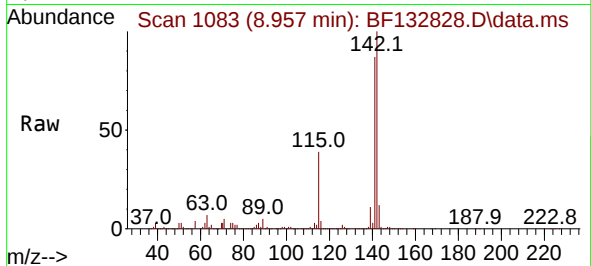
#37
2-Methylnaphthalene
Concen: 44.156 ng
RT: 8.957 min Scan# 1100
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion:142 Resp: 126611
Ion Ratio Lower Upper
142 100
141 87.0 69.3 103.9

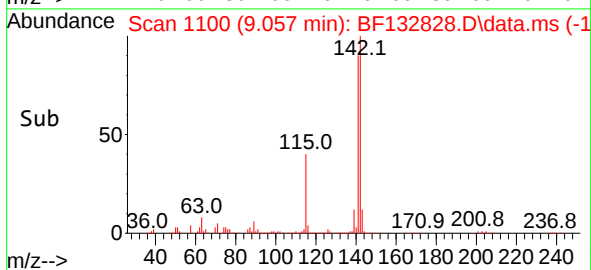
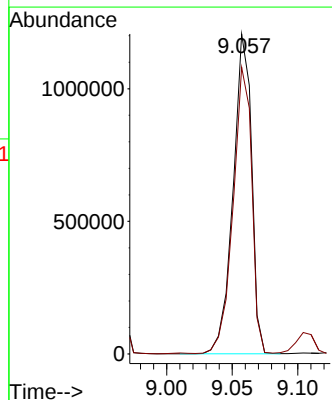
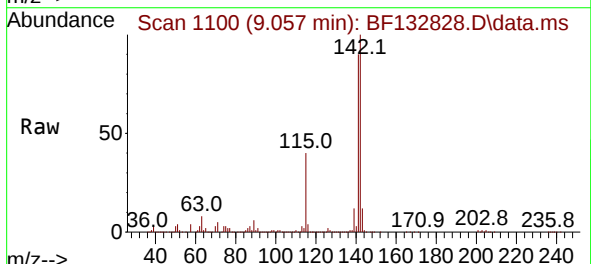
Manual Integrations
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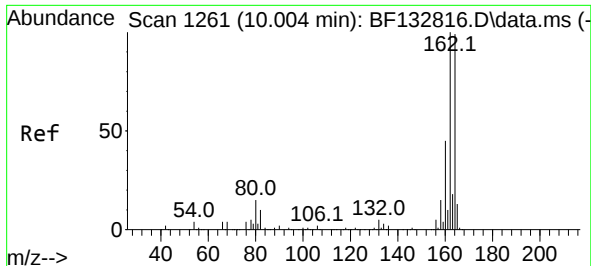
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#38
1-Methylnaphthalene
Concen: 43.754 ng
RT: 9.057 min Scan# 1100
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

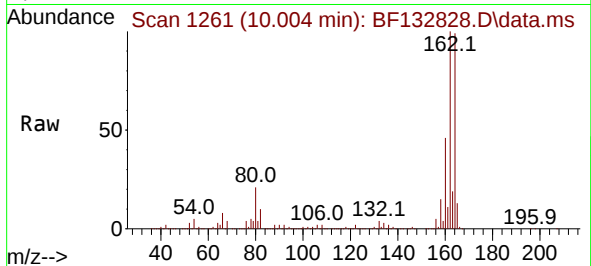
Tgt Ion:142 Resp: 1181233
Ion Ratio Lower Upper
142 100
141 89.6 73.3 109.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1126
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

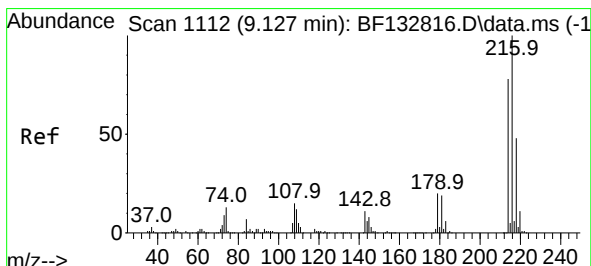
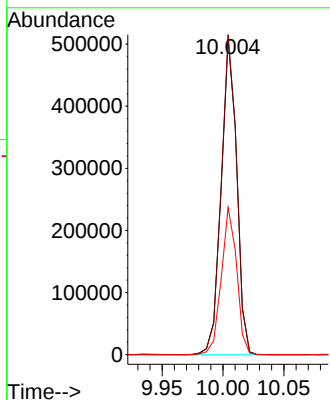
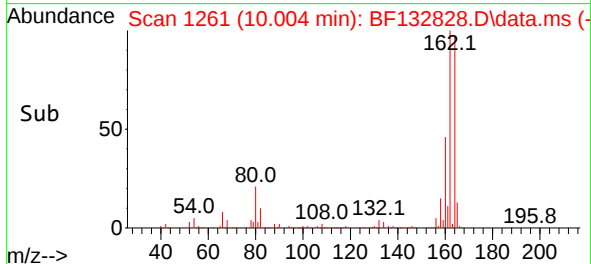
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



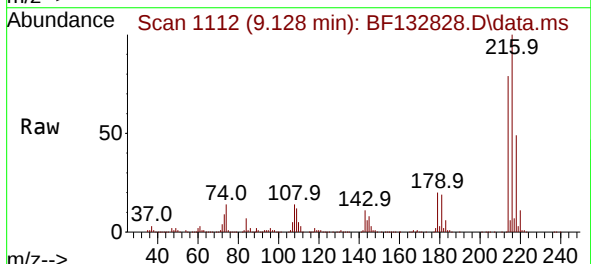
Tgt Ion:164 Resp: 452050
Ion Ratio Lower Upper
164 100
162 101.3 80.6 121.0
160 46.6 36.2 54.4

Manual Integrations
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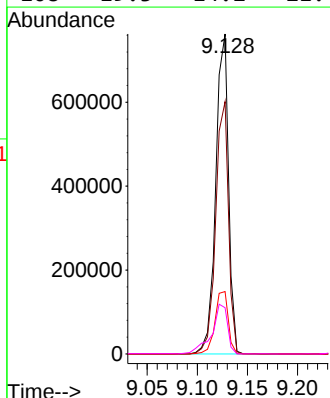
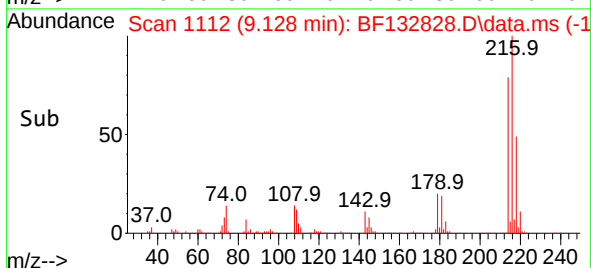
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023

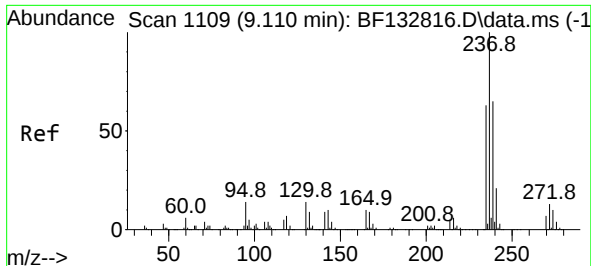


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.509 ng
RT: 9.128 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52



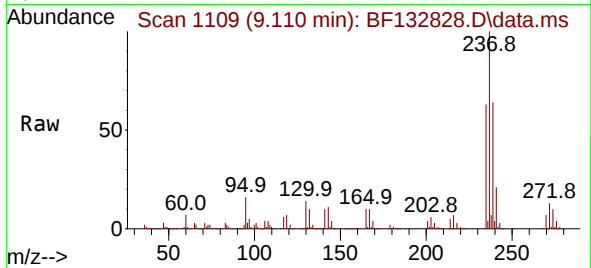
Tgt Ion:216 Resp: 674881
Ion Ratio Lower Upper
216 100
214 79.5 64.3 96.5
179 20.3 16.2 24.4
108 19.3 14.2 21.4





#41
Hexachlorocyclopentadiene
Concen: 99.829 ng
RT: 9.110 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

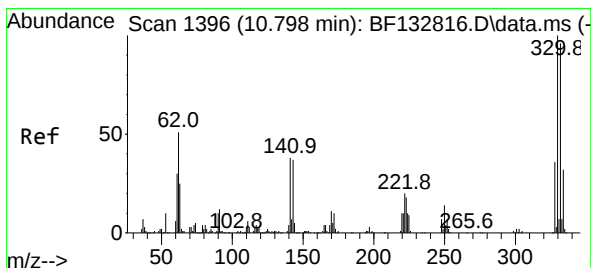
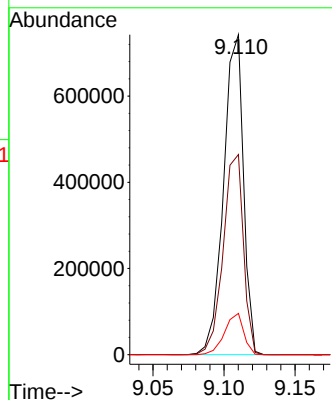
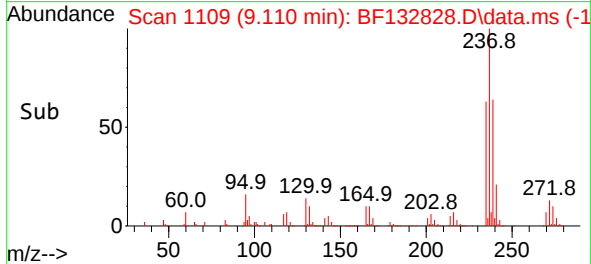
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



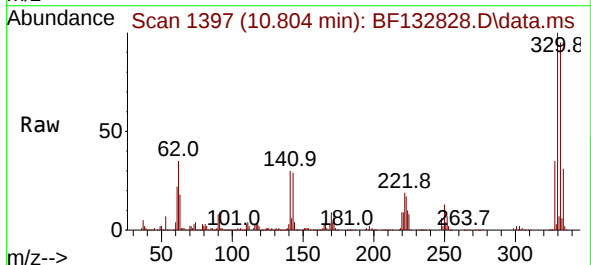
Tgt Ion:237 Resp: 722958
Ion Ratio Lower Upper
237 100
235 62.5 43.3 83.3
272 12.9 0.0 32.9

Manual Integrations
APPROVED

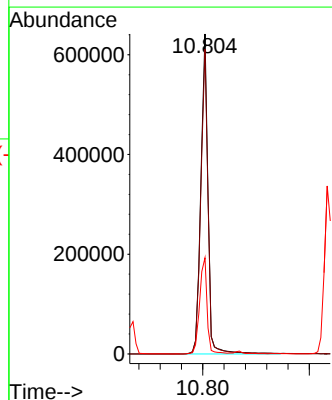
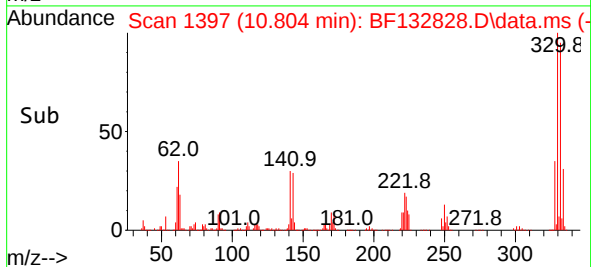
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023

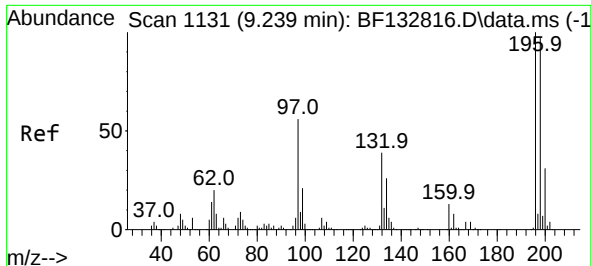


#42
2,4,6-Tribromophenol
Concen: 124.938 ng
RT: 10.804 min Scan# 1397
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52



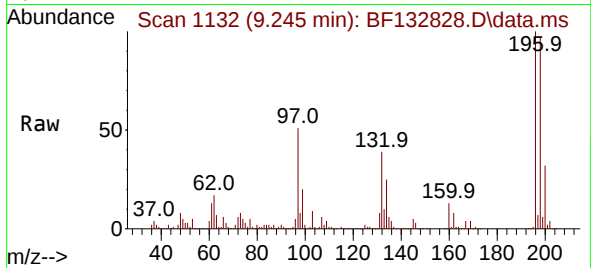
Tgt Ion:330 Resp: 600394
Ion Ratio Lower Upper
330 100
332 95.5 77.0 115.6
141 31.4 26.7 40.1





#43
2,4,6-Trichlorophenol
Concen: 46.986 ng
RT: 9.245 min Scan# 1131
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

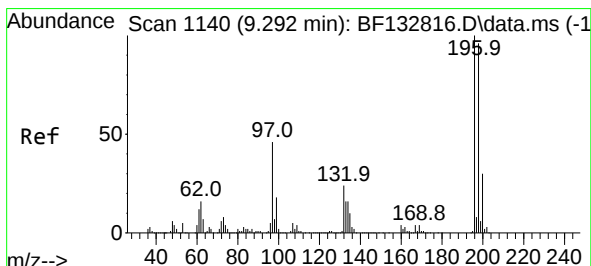
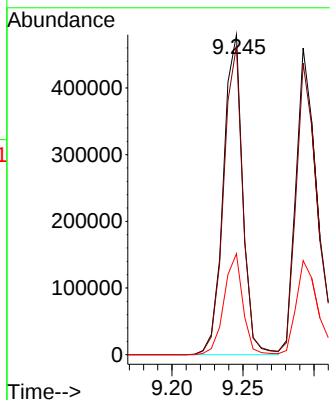
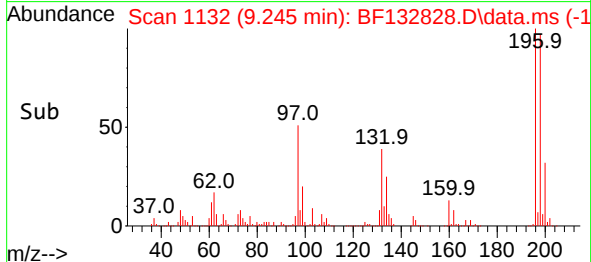
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:196 Resp: 45369
Ion Ratio Lower Upper
196 100
198 96.6 77.3 115.9
200 31.6 25.0 37.6

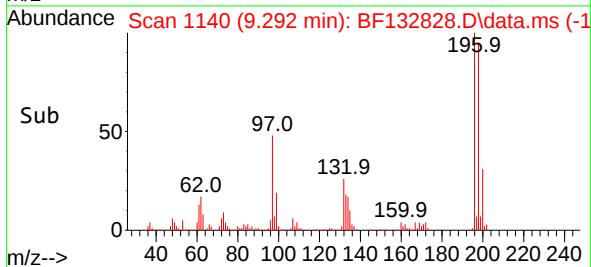
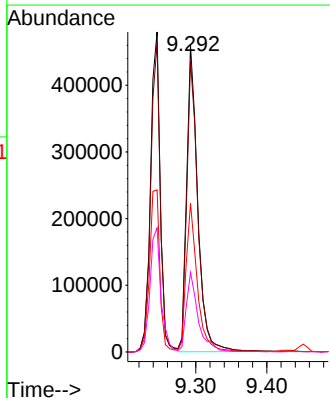
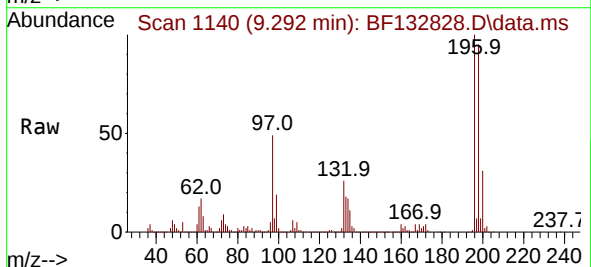
Manual Integrations
APPROVED

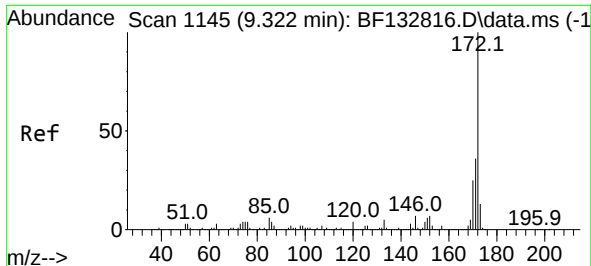
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#44
2,4,5-Trichlorophenol
Concen: 44.180 ng
RT: 9.292 min Scan# 1140
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

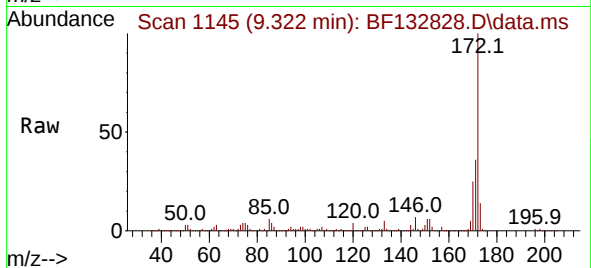
Tgt Ion:196 Resp: 496674
Ion Ratio Lower Upper
196 100
198 95.0 76.8 115.2
97 48.5 36.9 55.3
132 25.9 19.7 29.5





#45
2-Fluorobiphenyl
Concen: 79.007 ng
RT: 9.322 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

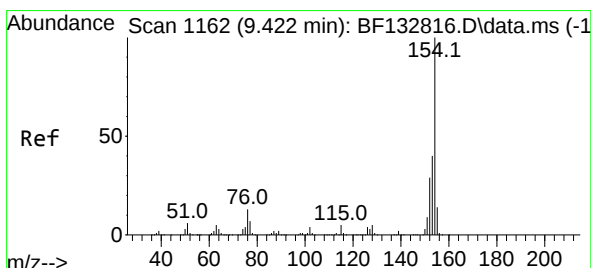
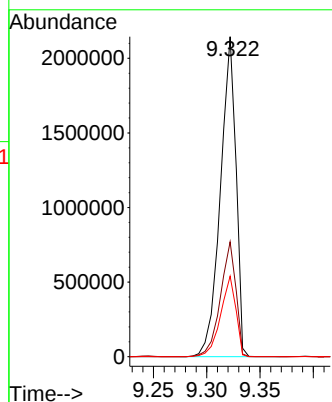
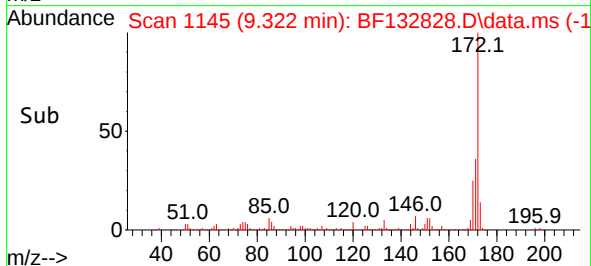
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



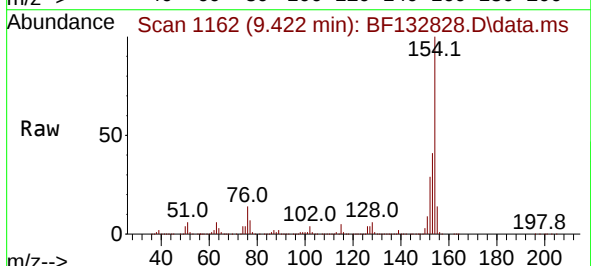
Tgt Ion:172 Resp: 2174220
Ion Ratio Lower Upper
172 100
171 35.9 28.7 43.1
170 25.1 19.8 29.8

Manual Integrations
APPROVED

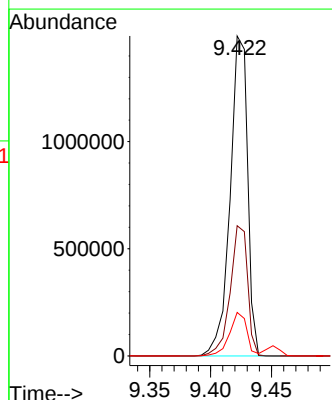
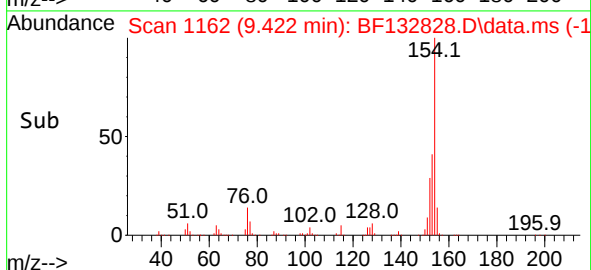
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023

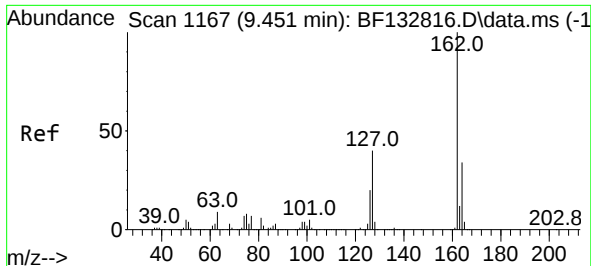


#46
1,1'-Biphenyl
Concen: 44.591 ng
RT: 9.422 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52



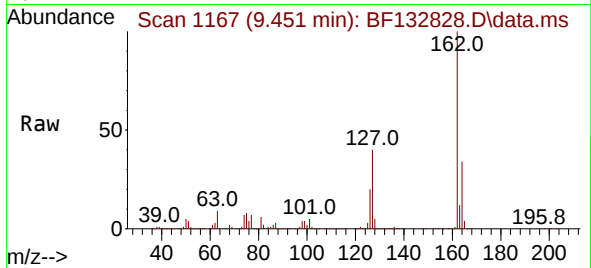
Tgt Ion:154 Resp: 1495434
Ion Ratio Lower Upper
154 100
153 40.7 19.6 59.6
76 13.6 0.0 33.5





#47
2-Chloronaphthalene
Concen: 46.575 ng
RT: 9.451 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

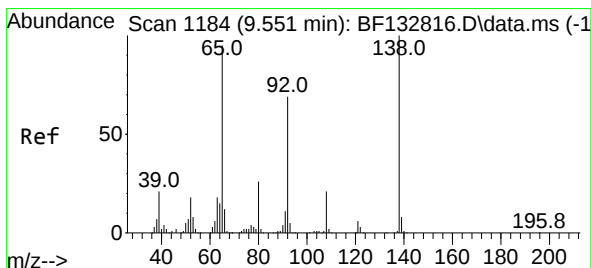
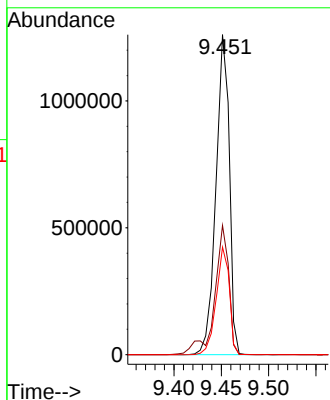
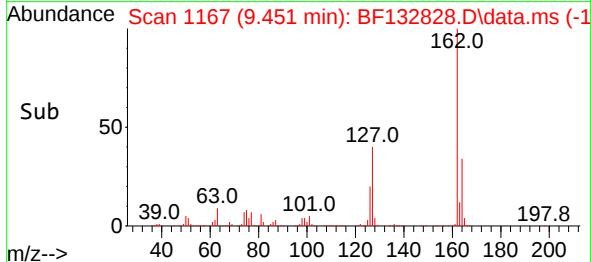
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:162 Resp: 123680
Ion Ratio Lower Upper
162 100
127 40.4 32.3 48.5
164 33.6 27.2 40.8

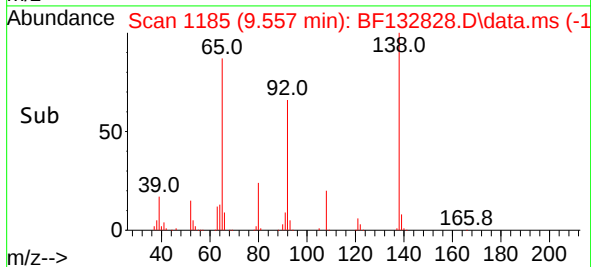
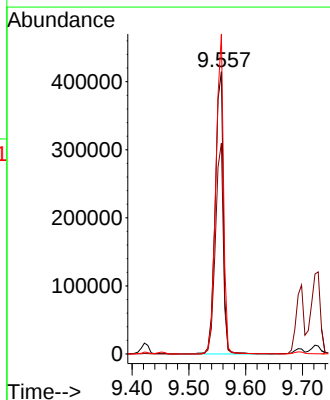
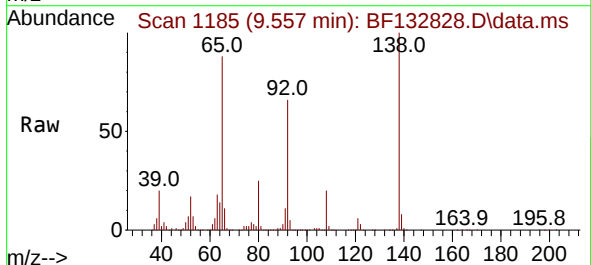
Manual Integrations
APPROVED

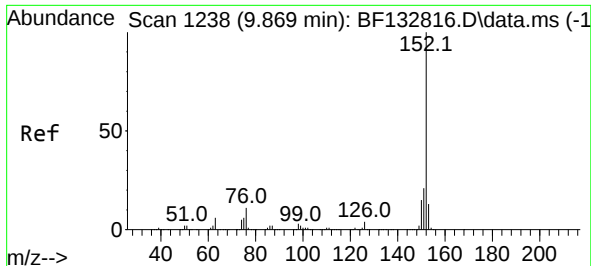
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#48
2-Nitroaniline
Concen: 46.515 ng
RT: 9.557 min Scan# 1185
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

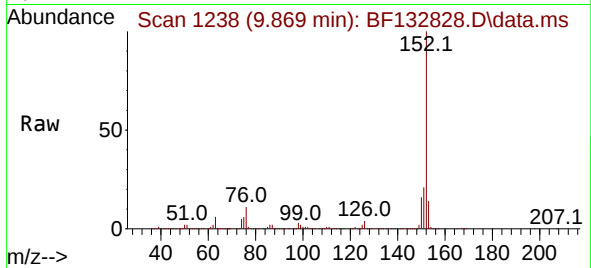
Tgt Ion: 65 Resp: 405656
Ion Ratio Lower Upper
65 100
92 74.7 58.6 88.0
138 113.4 84.4 126.6





#49
Acenaphthylene
Concen: 43.870 ng
RT: 9.869 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

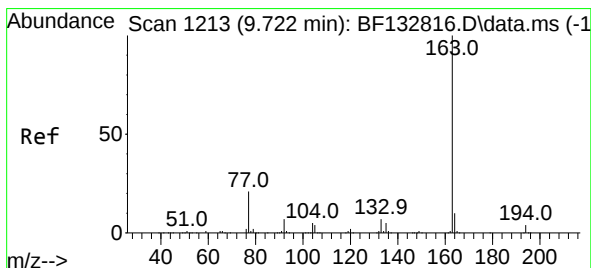
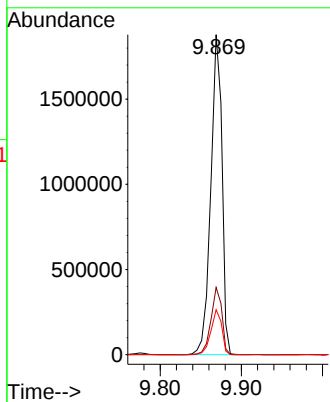
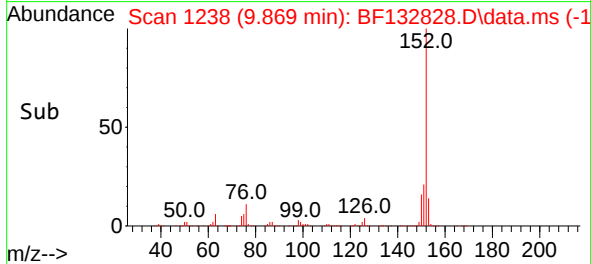
Instrument : BNA_F
ClientSampleId : HILLBOR-DRUMS-0314



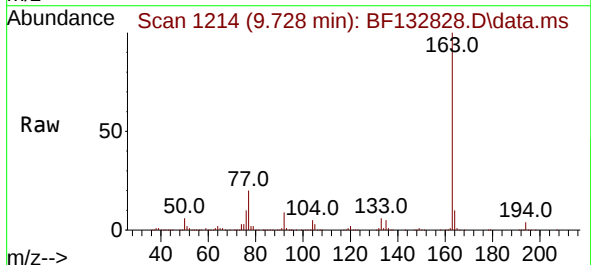
Tgt Ion:152 Resp: 1790239
Ion Ratio Lower Upper
152 100
151 21.0 16.6 25.0
153 14.1 10.8 16.2

Manual Integrations
APPROVED

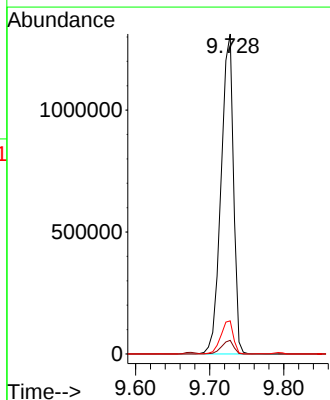
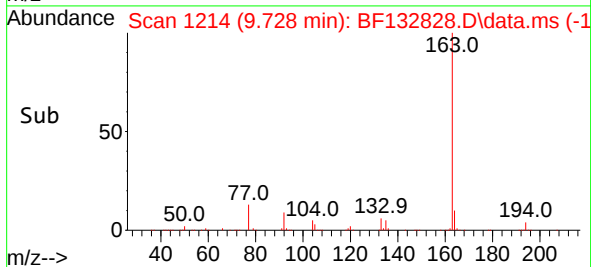
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023

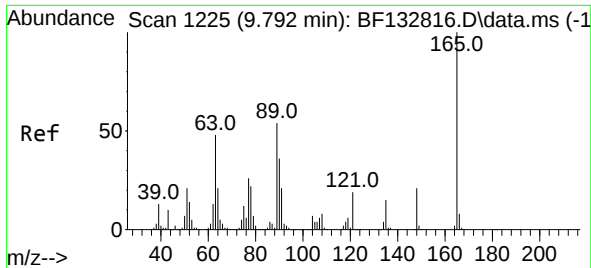


#50
Dimethylphthalate
Concen: 47.178 ng
RT: 9.728 min Scan# 1214
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52



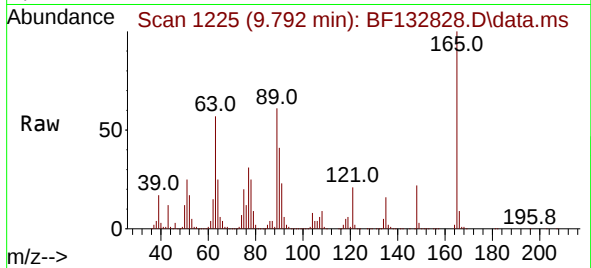
Tgt Ion:163 Resp: 1529082
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.4 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 47.185 ng
RT: 9.792 min Scan# 1225
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

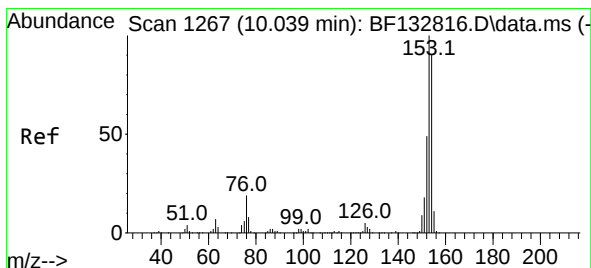
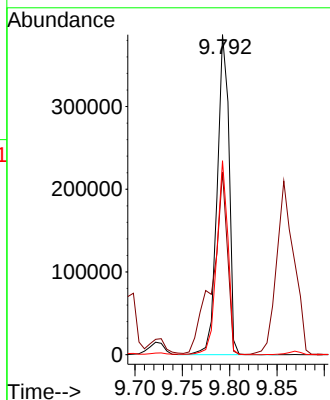
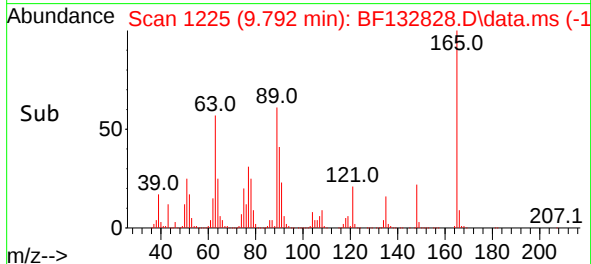
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:165 Resp: 338150
Ion Ratio Lower Upper
165 100
63 57.1 39.1 58.7
89 60.6 43.5 65.3

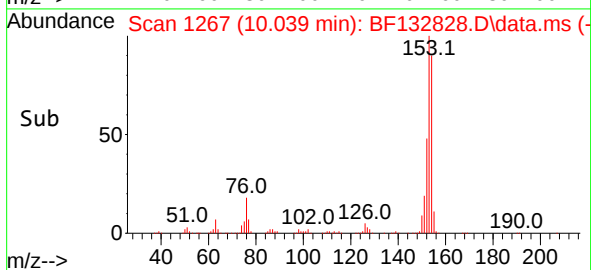
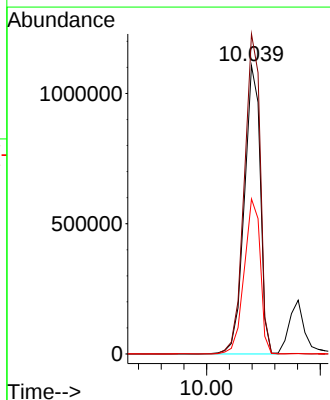
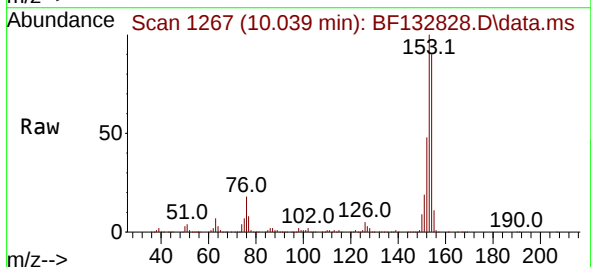
Manual Integrations
APPROVED

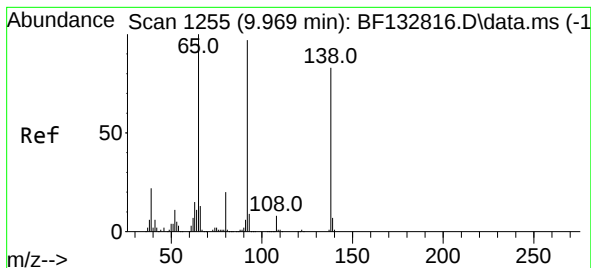
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#52
Acenaphthene
Concen: 44.139 ng
RT: 10.039 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

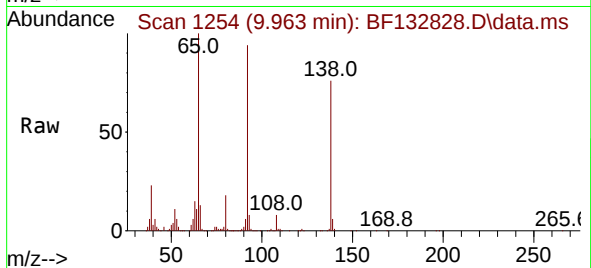
Tgt Ion:154 Resp: 1084243
Ion Ratio Lower Upper
154 100
153 111.1 89.4 134.0
152 53.8 43.4 65.2





#53
3-Nitroaniline
Concen: 26.433 ng
RT: 9.963 min Scan# 1255
Delta R.T. -0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

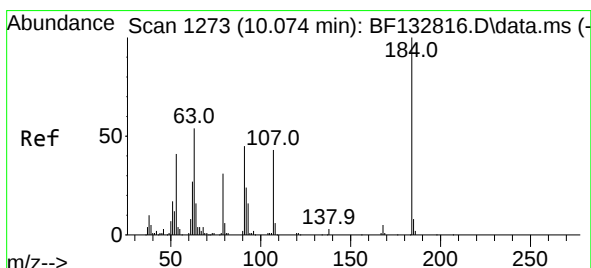
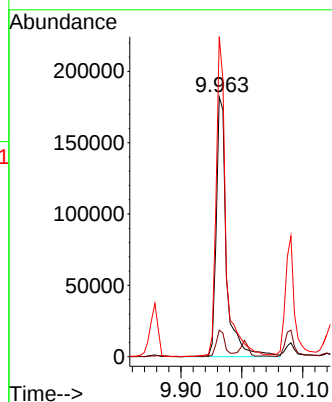
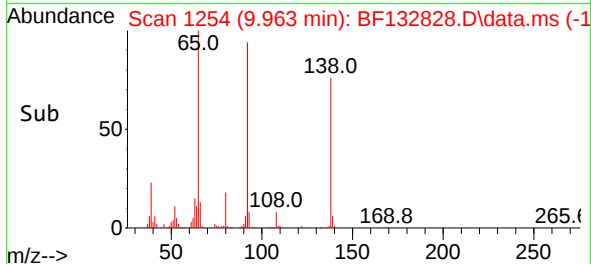
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:138 Resp: 21175
Ion Ratio Lower Upper
138 100
108 10.2 8.2 12.2
92 123.2 93.3 139.9

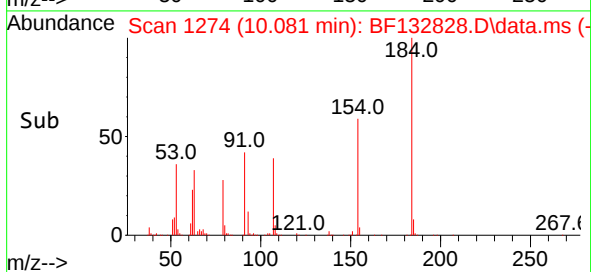
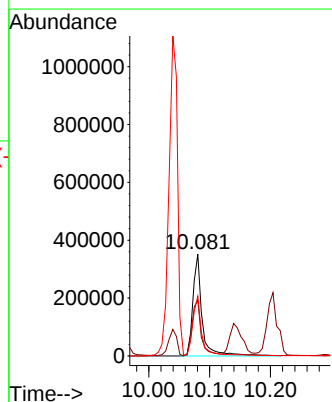
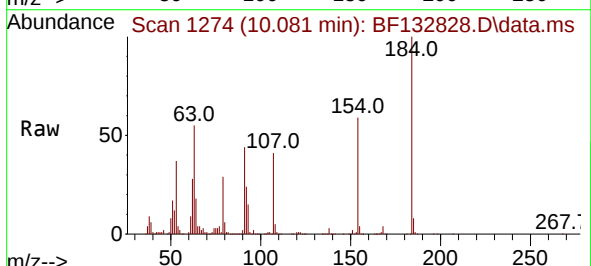
Manual Integrations
APPROVED

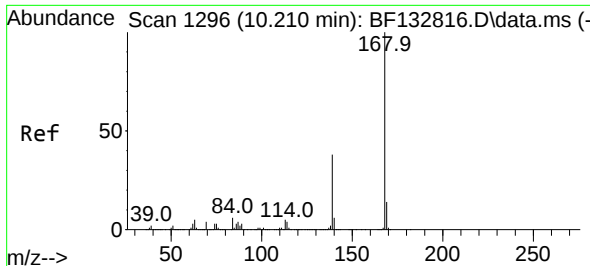
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#54
2,4-Dinitrophenol
Concen: 90.482 ng
RT: 10.081 min Scan# 1274
Delta R.T. 0.007 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

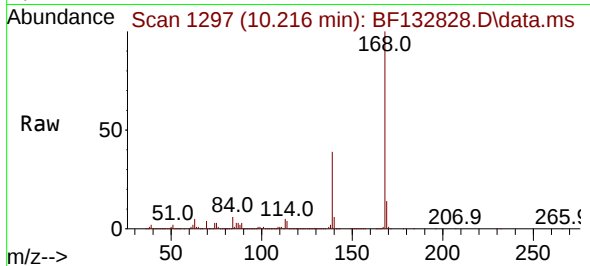
Tgt Ion:184 Resp: 372625
Ion Ratio Lower Upper
184 100
63 55.0 47.2 70.8
154 58.7 46.5 69.7





#55
Dibenzenofuran
Concen: 42.667 ng
RT: 10.216 min Scan# 1297
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

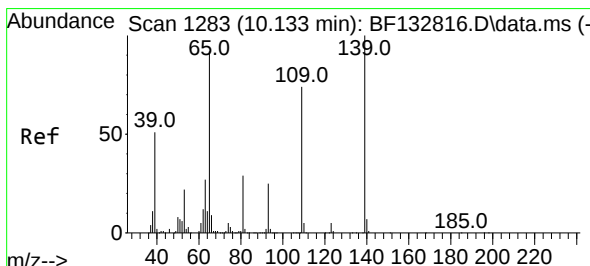
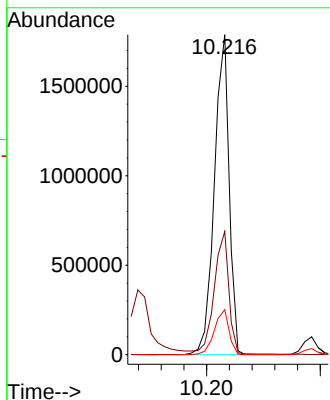
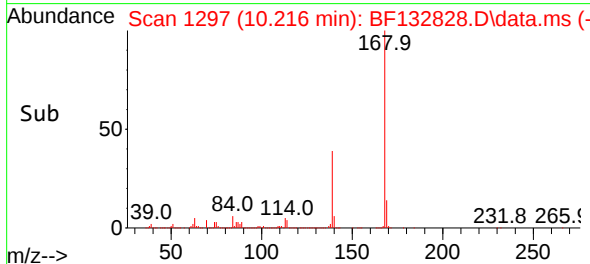
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:168 Resp: 1611098
Ion Ratio Lower Upper
168 100
139 38.5 31.0 46.6
169 14.1 11.3 16.9

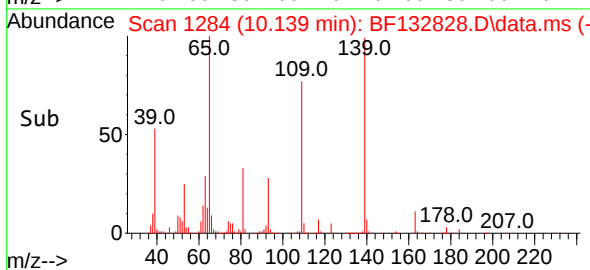
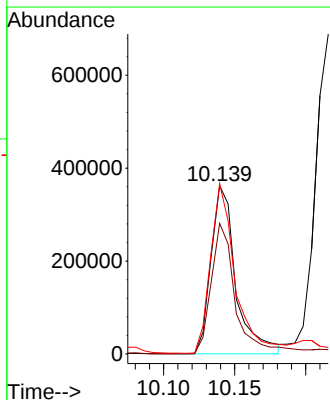
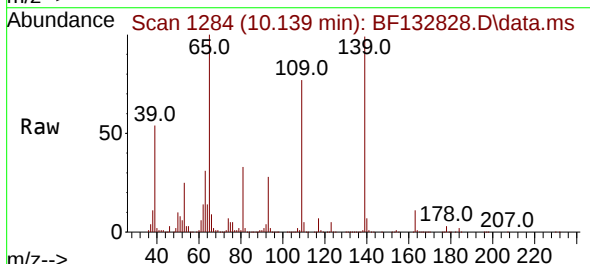
Manual Integrations
APPROVED

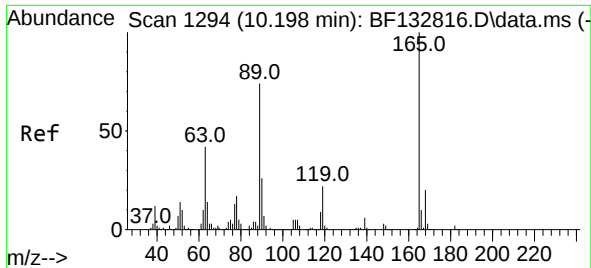
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#56
4-Nitrophenol
Concen: 92.106 ng
RT: 10.139 min Scan# 1284
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

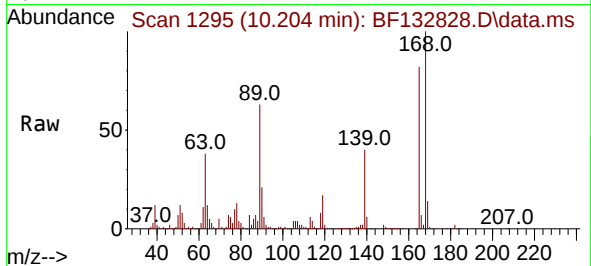
Tgt Ion:139 Resp: 439924
Ion Ratio Lower Upper
139 100
109 77.6 53.8 93.8
65 101.2 73.0 113.0





#57
2,4-Dinitrotoluene
Concen: 45.670 ng
RT: 10.204 min Scan# 1295
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

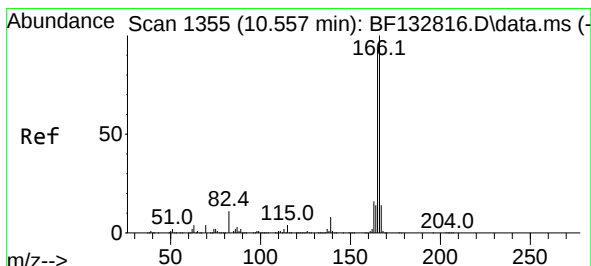
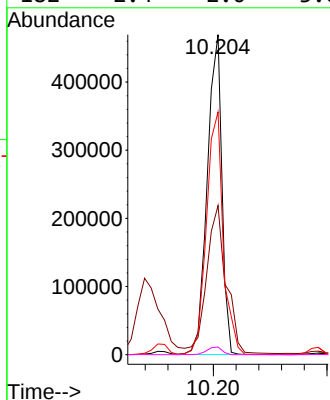
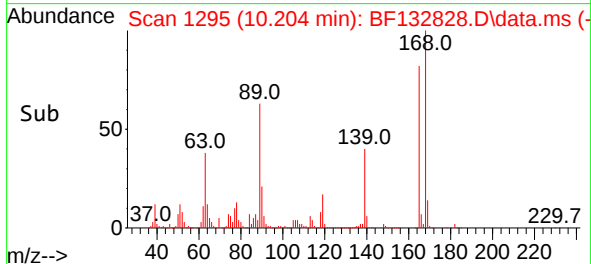
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:165 Resp: 41808
Ion Ratio Lower Upper
165 100
63 46.6 34.4 51.6
89 75.8 59.5 89.3
182 2.4 2.0 3.0

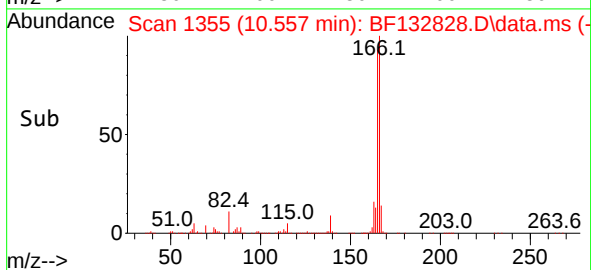
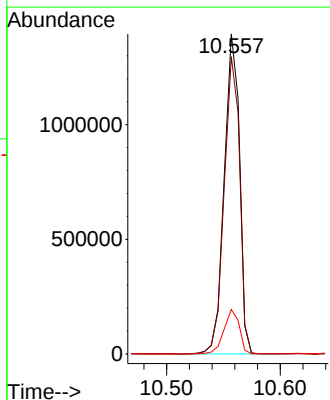
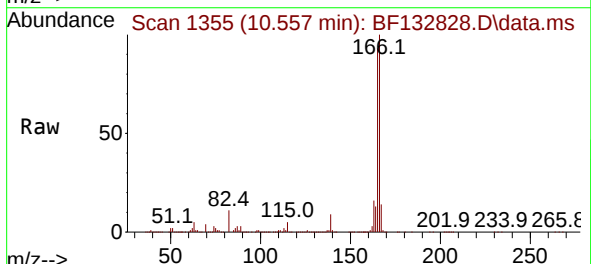
Manual Integrations
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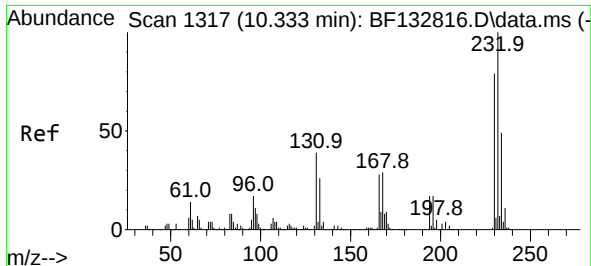
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#58
Fluorene
Concen: 43.630 ng
RT: 10.557 min Scan# 1355
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

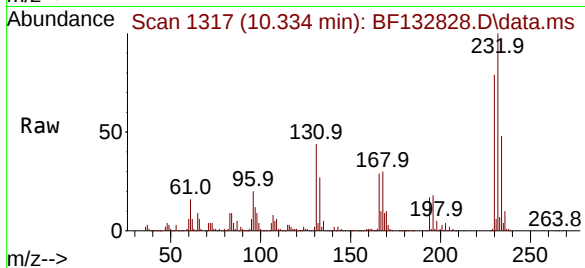
Tgt Ion:166 Resp: 1310067
Ion Ratio Lower Upper
166 100
165 92.9 74.3 111.5
167 13.9 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 50.320 ng
RT: 10.334 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

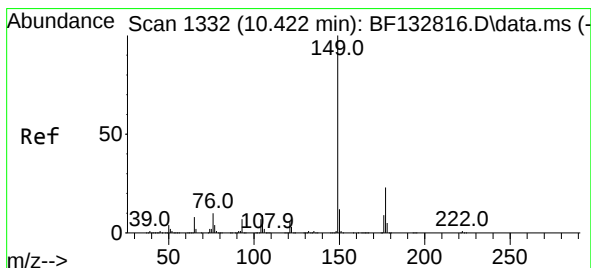
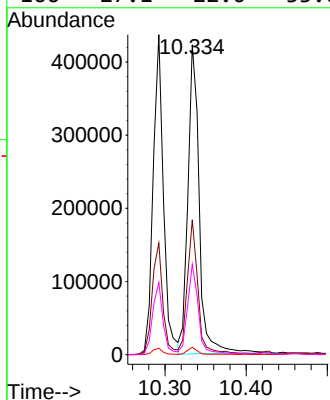
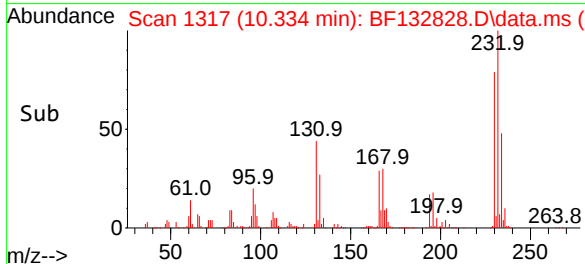
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:232 Resp: 409981
Ion Ratio Lower Upper
232 100
131 40.1 32.6 48.8
130 1.9 1.7 2.5
166 27.1 22.0 33.0

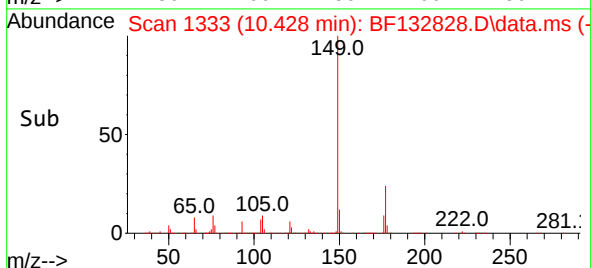
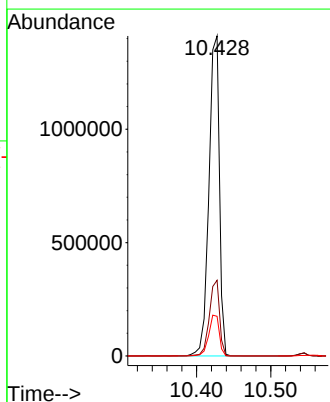
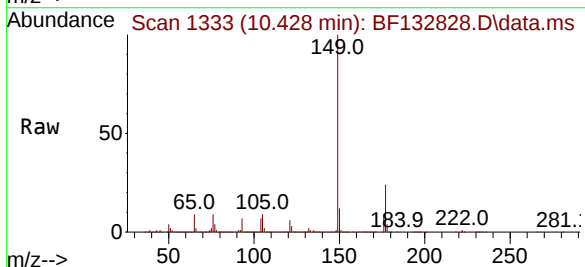
Manual Integrations
APPROVED

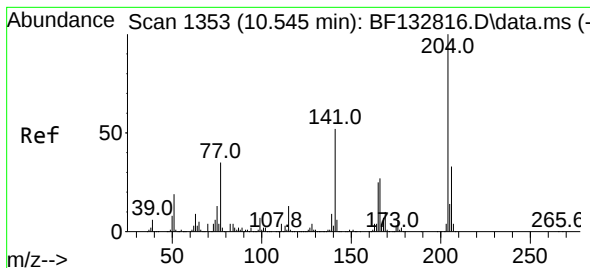
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#60
Diethylphthalate
Concen: 45.144 ng
RT: 10.428 min Scan# 1333
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

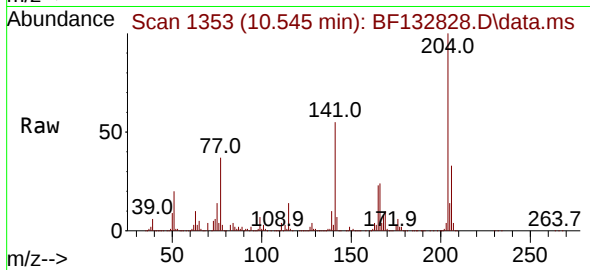
Tgt Ion:149 Resp: 1386590
Ion Ratio Lower Upper
149 100
177 23.7 18.6 28.0
150 12.4 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 42.896 ng
RT: 10.545 min Scan# 1353
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

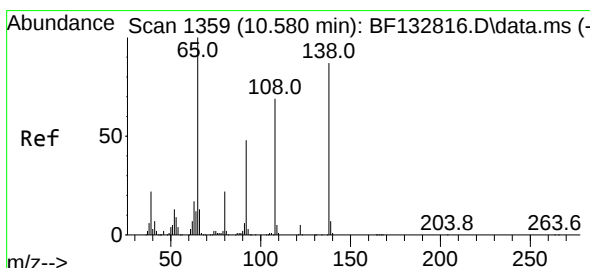
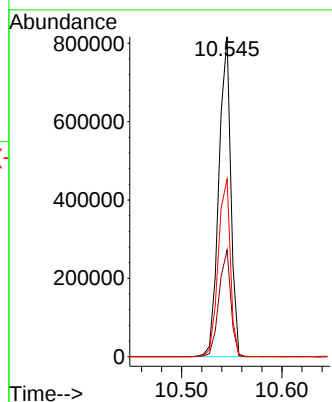
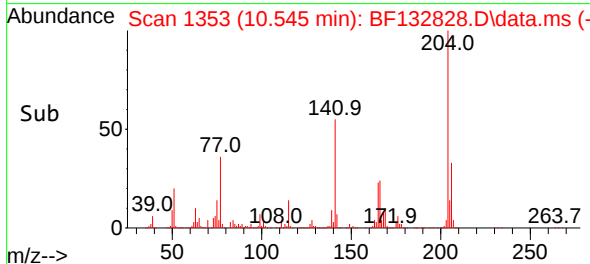
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



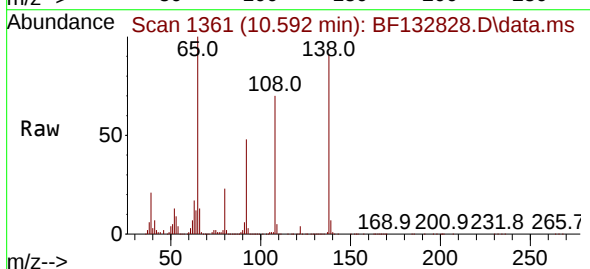
Tgt Ion:204 Resp: 676111
Ion Ratio Lower Upper
204 100
206 33.4 26.6 40.0
141 55.5 41.9 62.9

Manual Integrations
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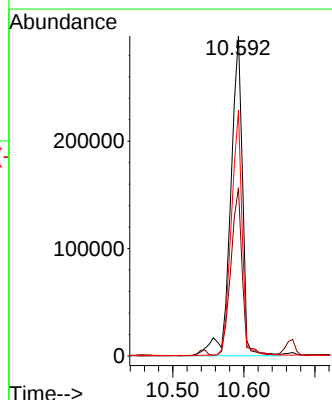
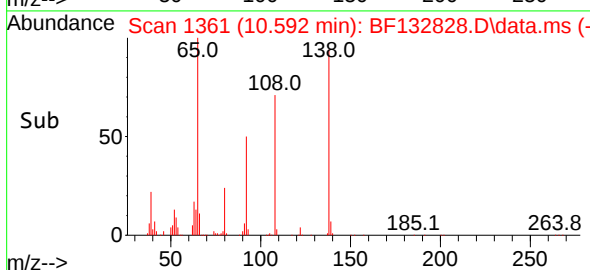
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023

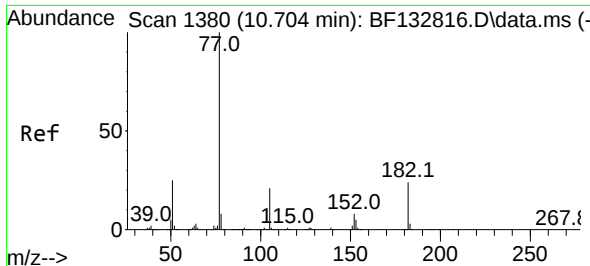


#62
4-Nitroaniline
Concen: 49.256 ng
RT: 10.592 min Scan# 1361
Delta R.T. 0.012 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52



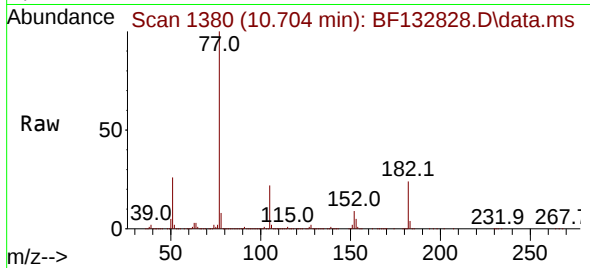
Tgt Ion:138 Resp: 345042
Ion Ratio Lower Upper
138 100
92 52.6 34.9 74.9
108 76.7 58.8 98.8





#63
Azobenzene
Concen: 44.301 ng
RT: 10.704 min Scan# 1380
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

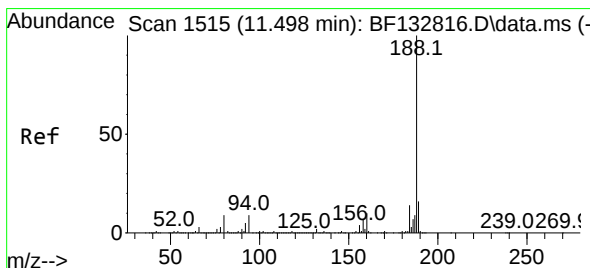
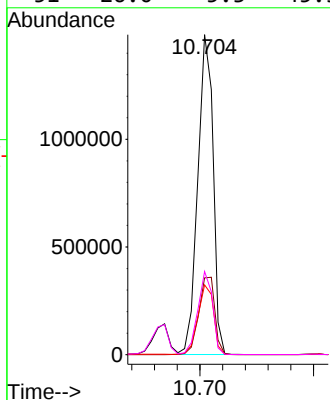
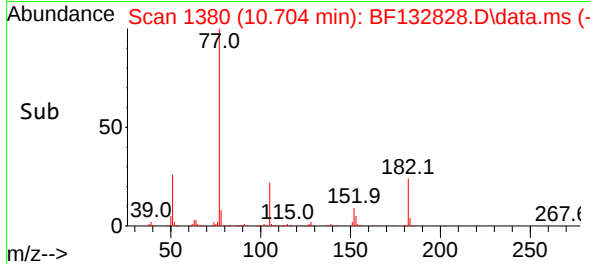
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



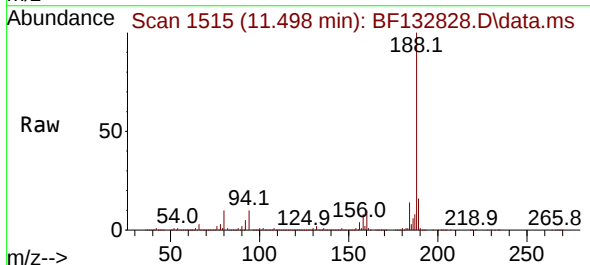
Tgt Ion: 77 Resp: 139113
Ion Ratio Lower Upper
77 100
182 24.0 3.8 43.8
105 21.8 1.2 41.2
51 26.0 5.3 45.3

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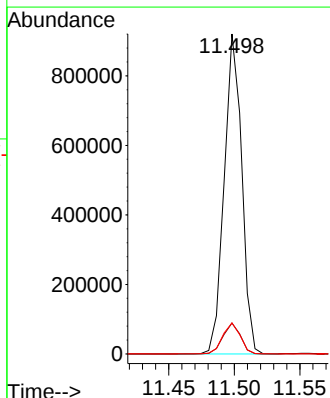
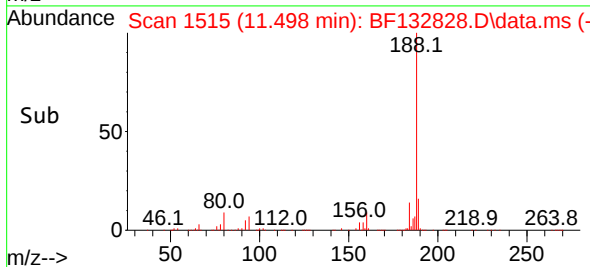
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023

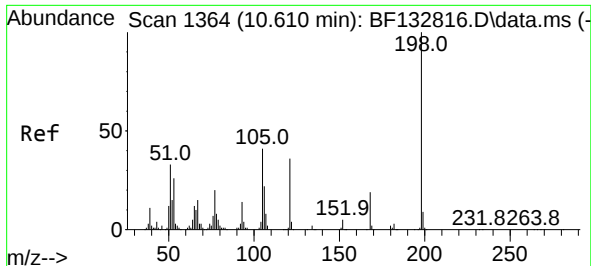


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52



Tgt Ion:188 Resp: 855565
Ion Ratio Lower Upper
188 100
94 9.6 7.5 11.3
80 9.7 7.5 11.3





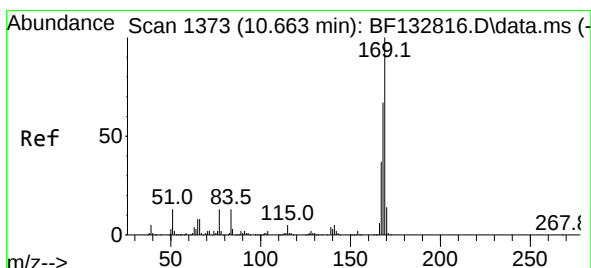
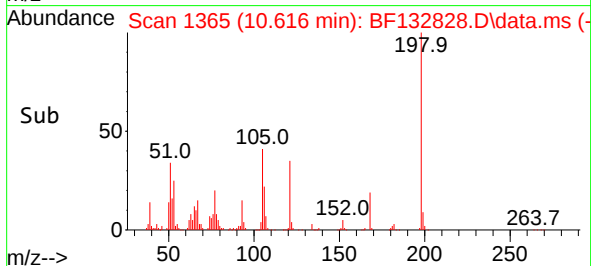
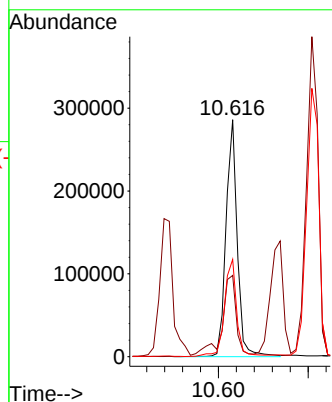
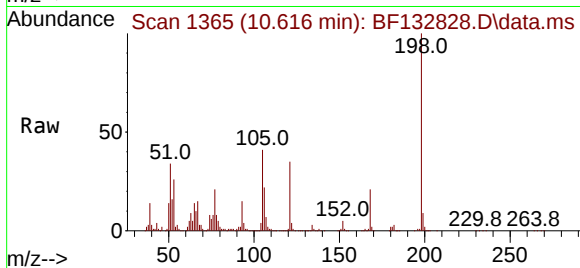
#65
4,6-Dinitro-2-methylphenol
Concen: 47.464 ng
RT: 10.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion:198 Resp: 248881
Ion Ratio Lower Upper
198 100
51 34.3 15.6 55.6
105 41.0 21.5 61.5

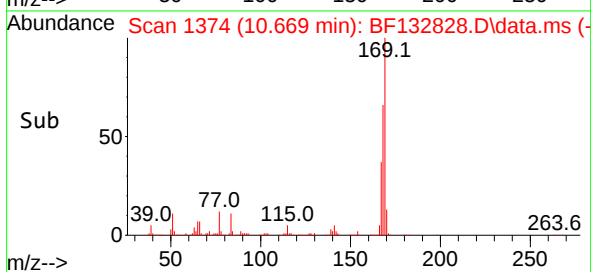
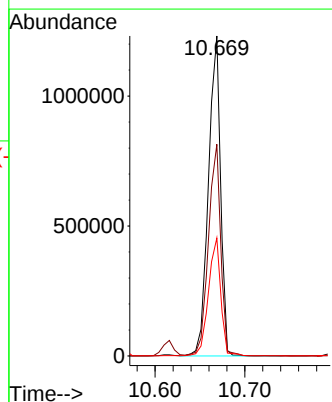
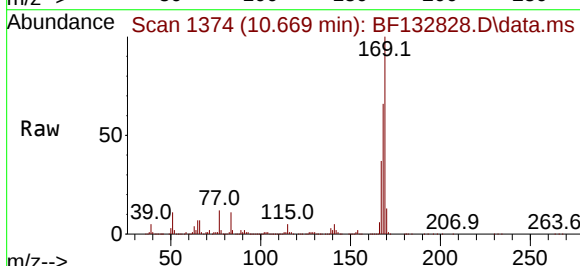
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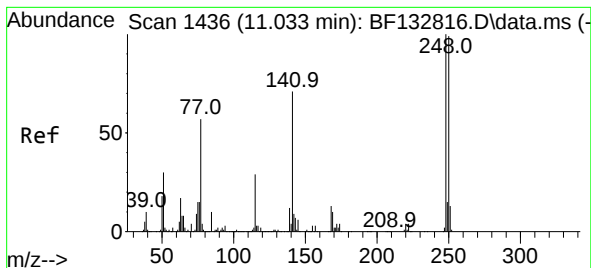
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#66
n-Nitrosodiphenylamine
Concen: 43.673 ng
RT: 10.669 min Scan# 1374
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

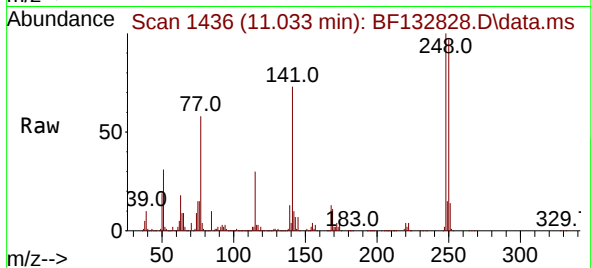
Tgt Ion:169 Resp: 1154759
Ion Ratio Lower Upper
169 100
168 66.2 54.2 81.2
167 36.9 29.6 44.4





#67
4-Bromophenyl-phenylether
Concen: 44.964 ng
RT: 11.033 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

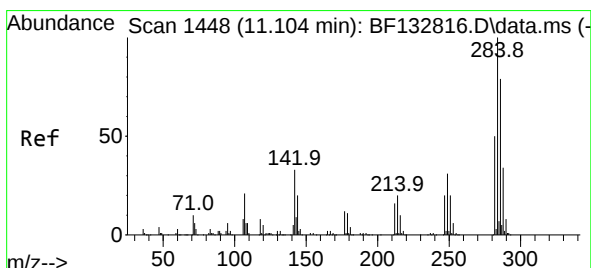
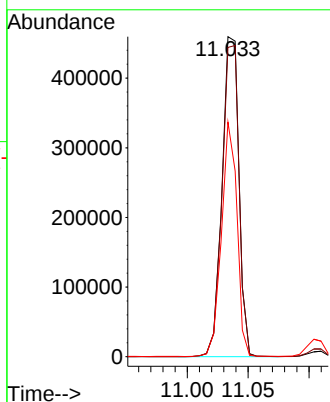
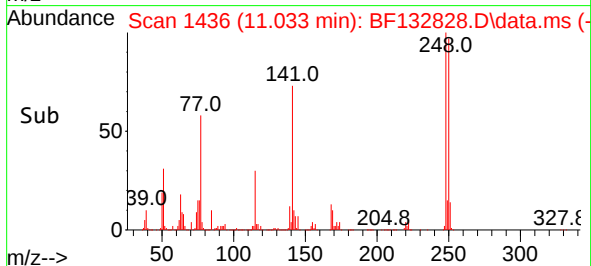
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



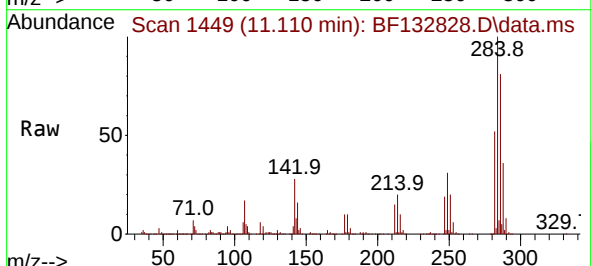
Tgt Ion:248 Resp: 444758
Ion Ratio Lower Upper
248 100
250 96.6 79.1 118.7
141 73.3 57.1 85.7

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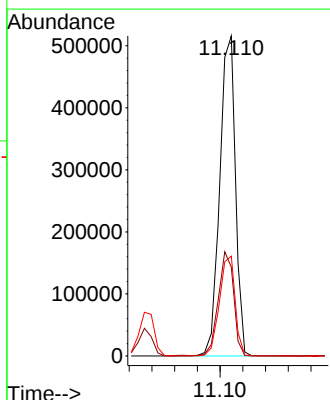
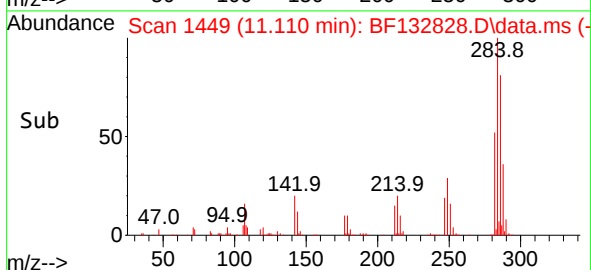
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023

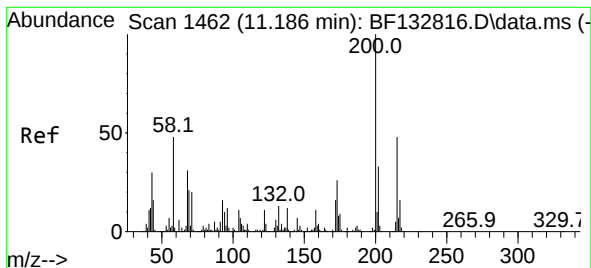


#68
Hexachlorobenzene
Concen: 47.386 ng
RT: 11.110 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52



Tgt Ion:284 Resp: 496368
Ion Ratio Lower Upper
284 100
142 27.7 26.2 39.2
249 31.2 24.9 37.3





#69

Atrazine

Concen: 52.389 ng

RT: 11.192 min Scan# 1463

Delta R.T. 0.006 min

Lab File: BF132828.D

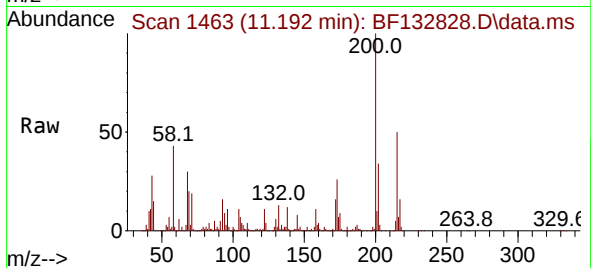
Acq: 17 Mar 2023 17:52

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314



Tgt Ion:200 Resp: 398920

Ion Ratio Lower Upper

200 100

173 26.2 6.5 46.5

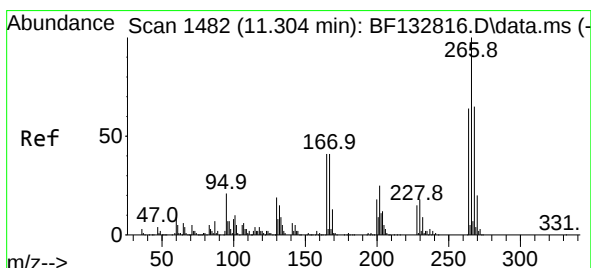
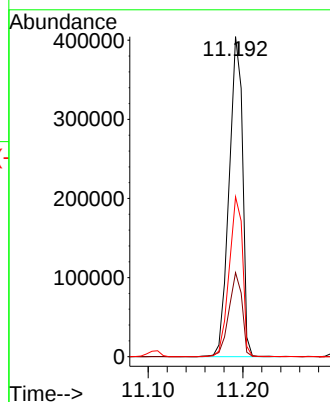
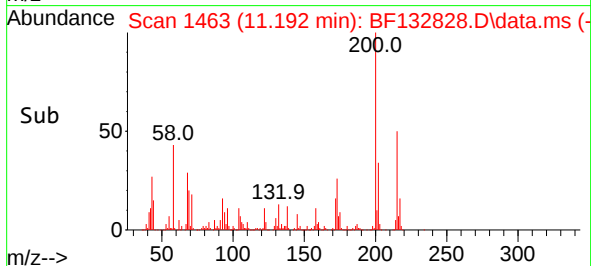
215 49.9 28.0 68.0

Manual Integrations

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Reviewed By :Christian Giraldo 03/20/2023

Supervised By :Jagrut Upadhyay 03/20/2023



#70

Pentachlorophenol

Concen: 106.917 ng

RT: 11.310 min Scan# 1483

Delta R.T. 0.006 min

Lab File: BF132828.D

Acq: 17 Mar 2023 17:52

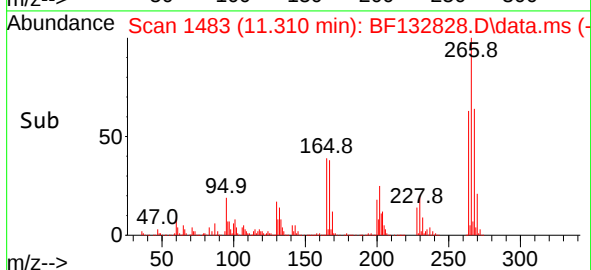
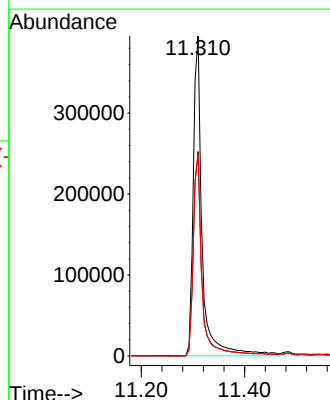
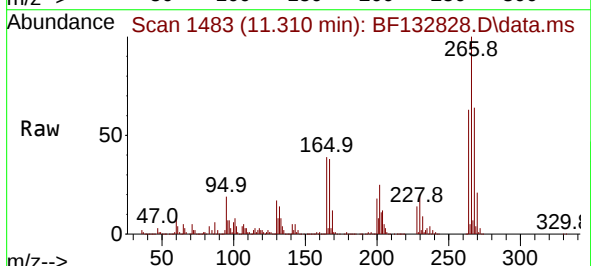
Tgt Ion:266 Resp: 475184

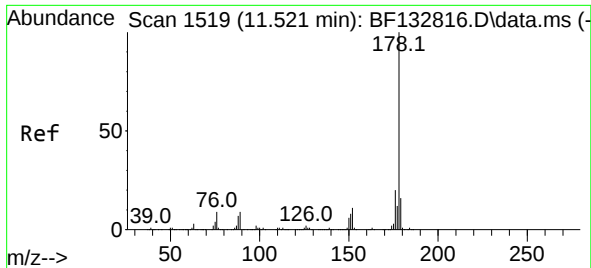
Ion Ratio Lower Upper

266 100

268 63.9 51.6 77.4

264 63.0 51.0 76.4





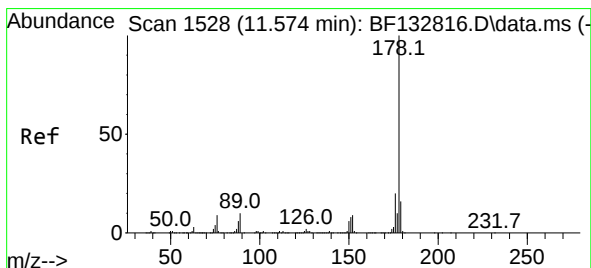
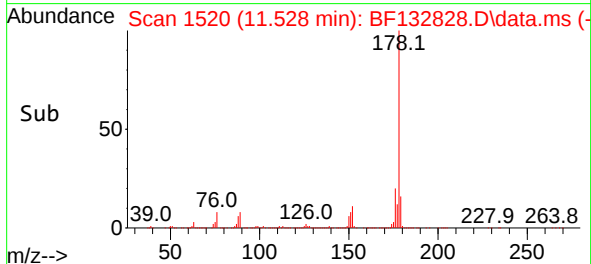
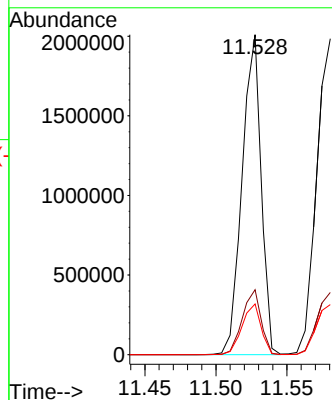
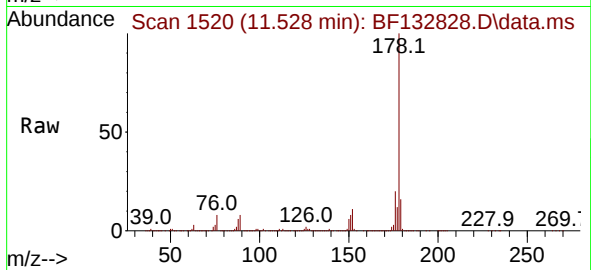
#71
Phenanthrene
Concen: 43.601 ng
RT: 11.528 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion:178 Resp: 1877670
Ion Ratio Lower Upper
178 100
176 20.3 16.3 24.5
179 15.9 13.1 19.7

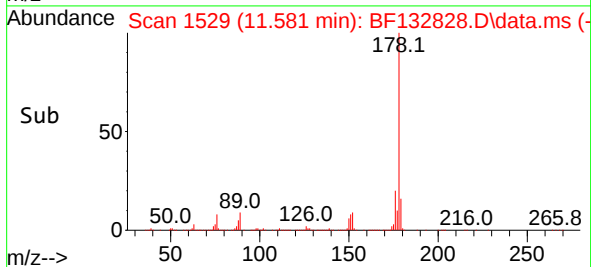
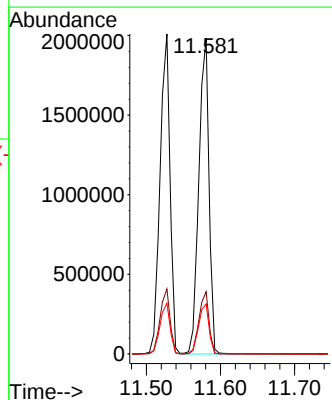
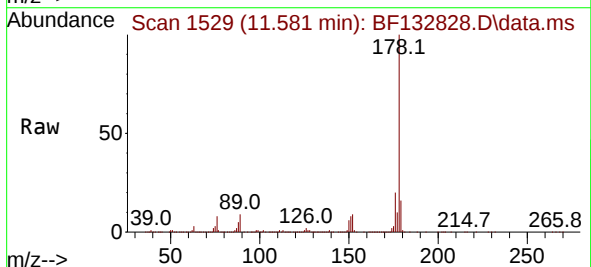
Manual Integrations
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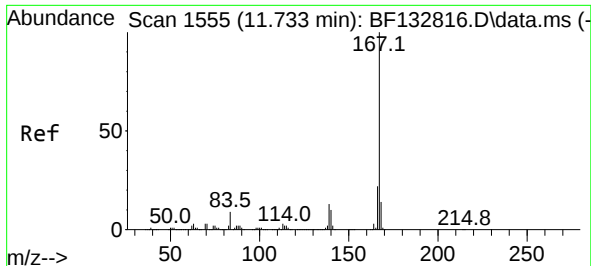
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#72
Anthracene
Concen: 42.861 ng
RT: 11.581 min Scan# 1529
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

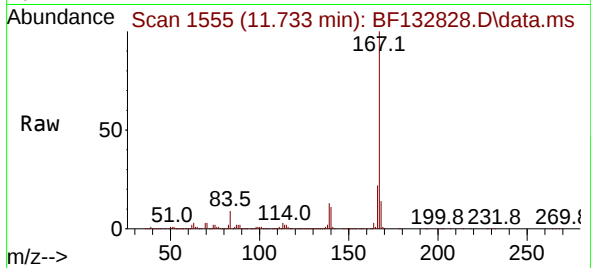
Tgt Ion:178 Resp: 1890824
Ion Ratio Lower Upper
178 100
176 19.7 15.7 23.5
179 15.8 12.8 19.2





#73
 Carbazole
 Concen: 44.217 ng
 RT: 11.733 min Scan# 1555
 Delta R.T. 0.000 min
 Lab File: BF132828.D
 Acq: 17 Mar 2023 17:52

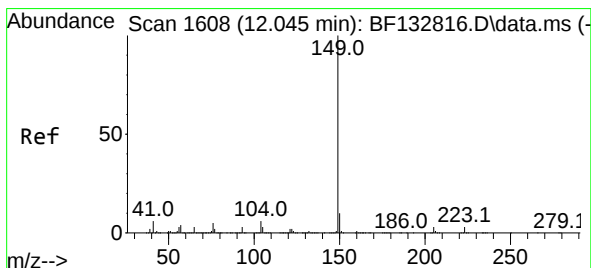
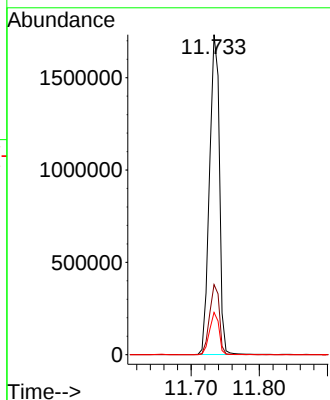
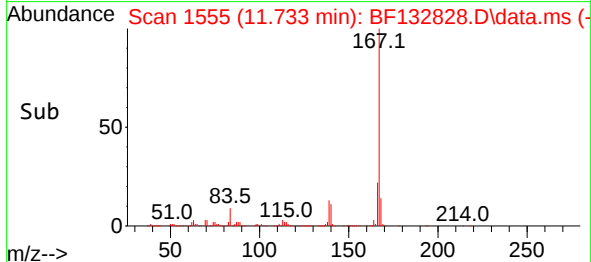
Instrument :
 BNA_F
 ClientSampleId :
 HILLBOR-DRUMS-0314



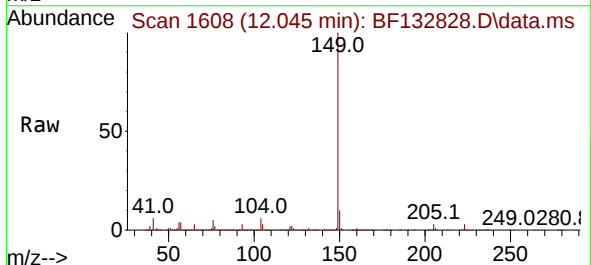
Tgt Ion:167 Resp: 1751388
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.6 26.4
 139 13.2 10.2 15.2

Manual Integrations
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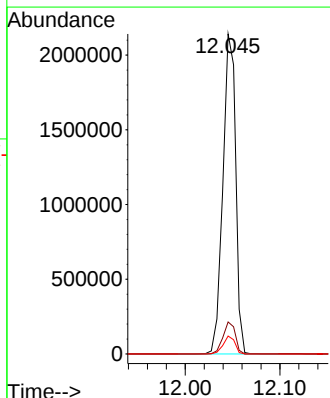
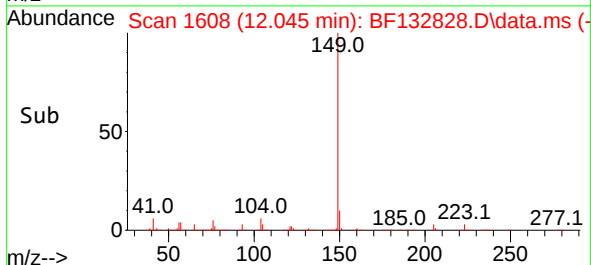
Reviewed By :Christian Giraldo 03/20/2023
 Supervised By :Jagrut Upadhyay 03/20/2023

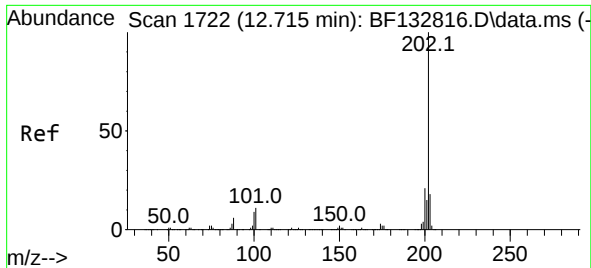


#74
 Di-n-butylphthalate
 Concen: 42.807 ng
 RT: 12.045 min Scan# 1608
 Delta R.T. 0.000 min
 Lab File: BF132828.D
 Acq: 17 Mar 2023 17:52



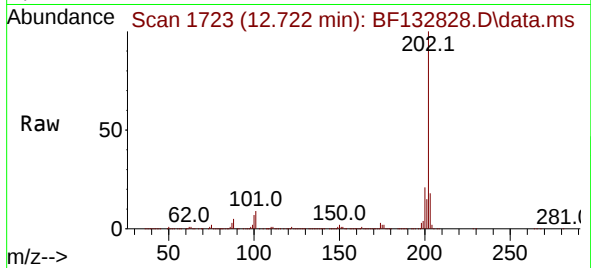
Tgt Ion:149 Resp: 2019978
 Ion Ratio Lower Upper
 149 100
 150 10.0 7.8 11.8
 104 5.6 4.4 6.6





#75
Fluoranthene
Concen: 42.072 ng
RT: 12.722 min Scan# 1722
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

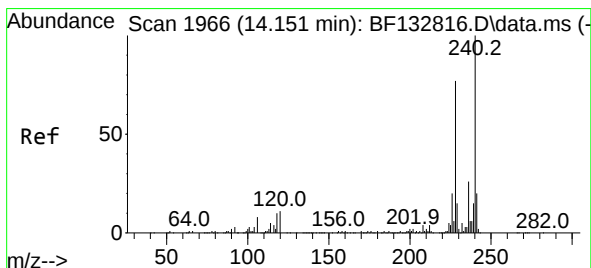
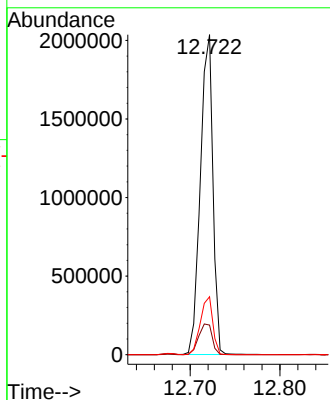
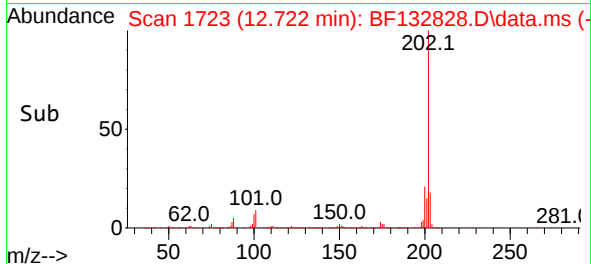
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:202 Resp: 1971740
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.3
203 18.1 0.0 38.5

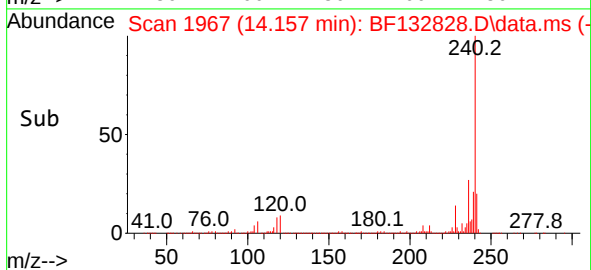
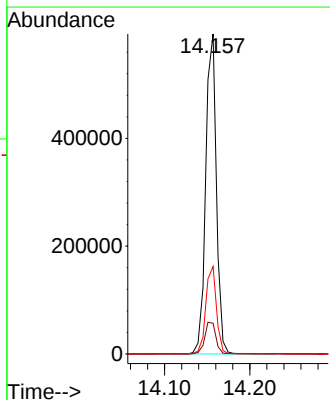
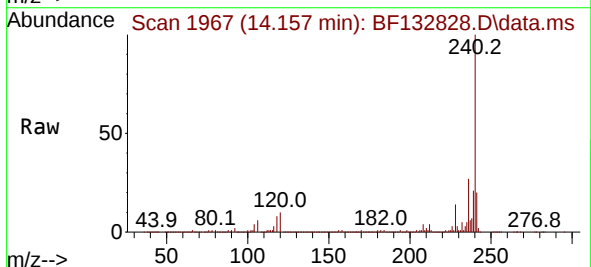
Manual Integrations
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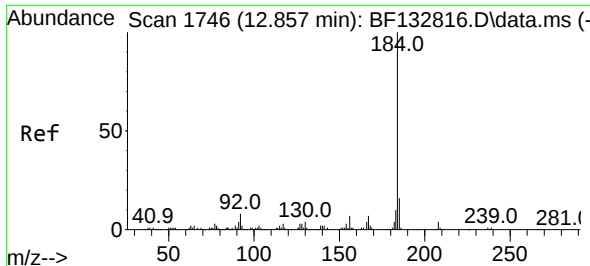
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.157 min Scan# 1967
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

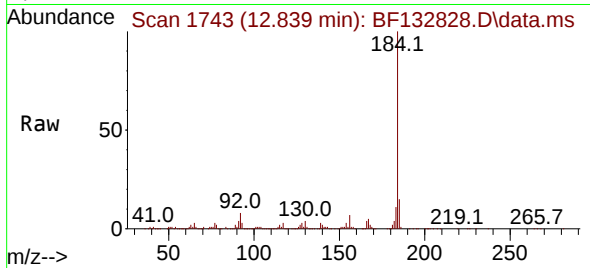
Tgt Ion:240 Resp: 516188
Ion Ratio Lower Upper
240 100
120 9.6 9.1 13.7
236 27.4 21.2 31.8





#77
Benzidine
Concen: 114.372 ng
RT: 12.839 min Scan# 1743
Delta R.T. -0.017 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

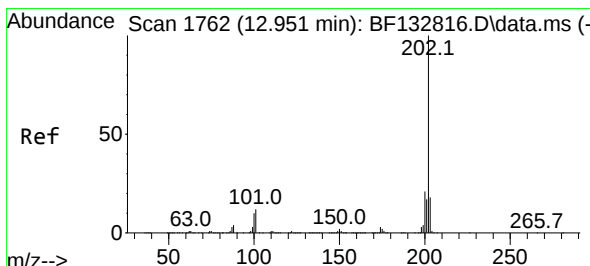
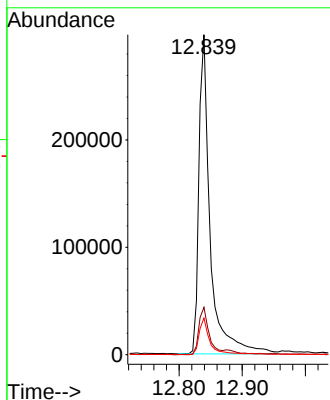
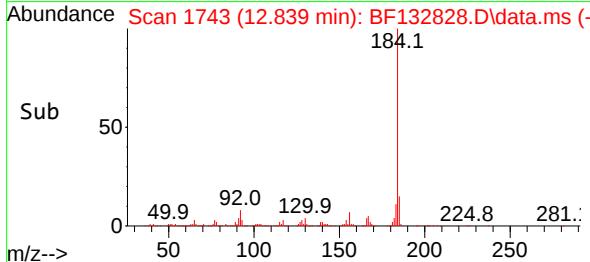
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



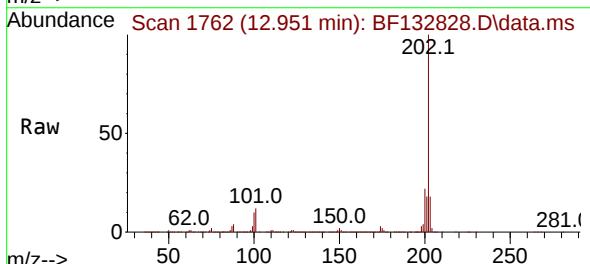
Tgt Ion:184 Resp: 367669
Ion Ratio Lower Upper
184 100
185 14.8 12.6 19.0
183 11.4 8.2 12.4

Manual Integrations
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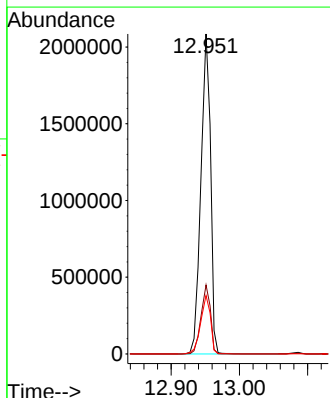
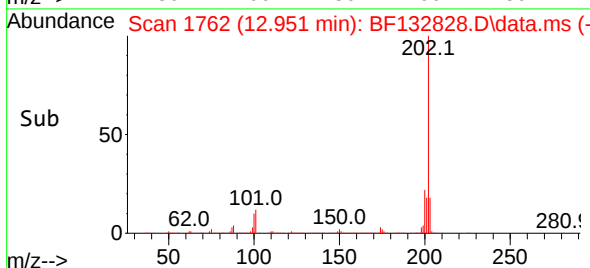
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023

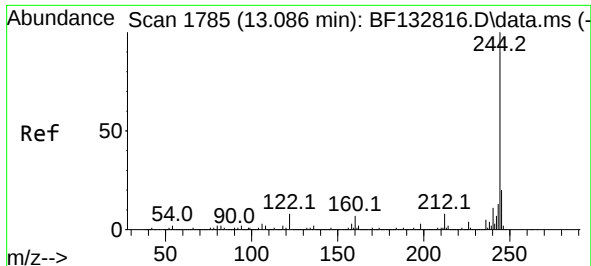


#78
Pyrene
Concen: 47.820 ng
RT: 12.951 min Scan# 1762
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52



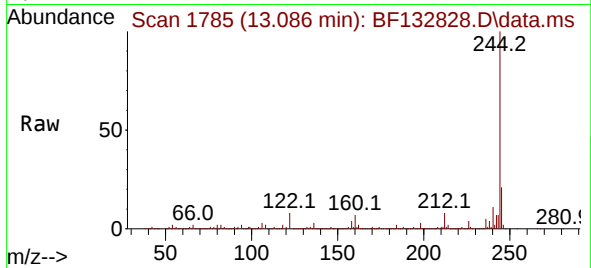
Tgt Ion:202 Resp: 2051505
Ion Ratio Lower Upper
202 100
200 21.5 16.9 25.3
203 18.3 14.6 21.8





#79
 Terphenyl-d14
 Concen: 89.992 ng
 RT: 13.086 min Scan# 1785
 Delta R.T. 0.000 min
 Lab File: BF132828.D
 Acq: 17 Mar 2023 17:52

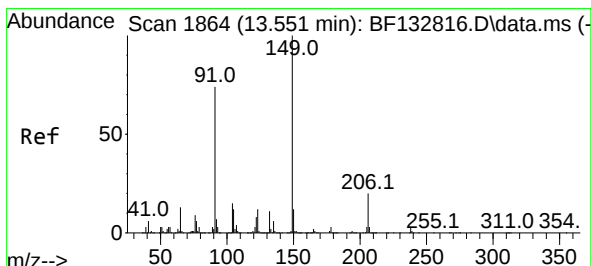
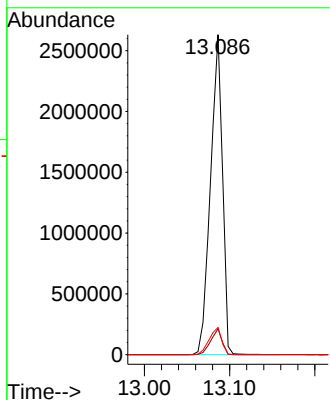
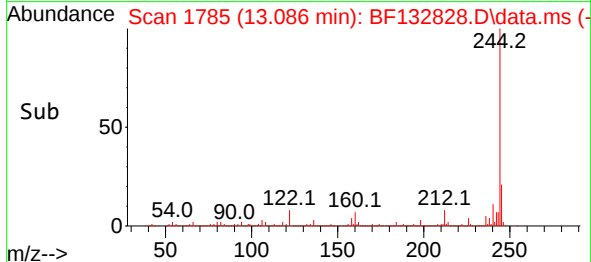
Instrument :
 BNA_F
 ClientSampleId :
 HILLBOR-DRUMS-0314



Tgt Ion:244 Resp: 257256
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.3 9.5
 122 8.5 6.6 9.8

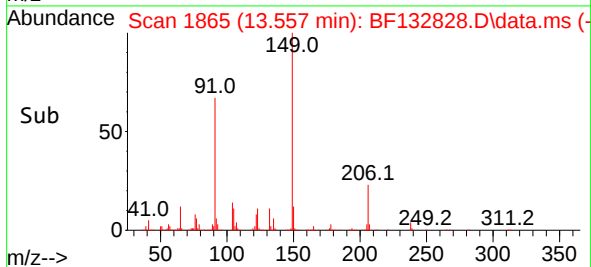
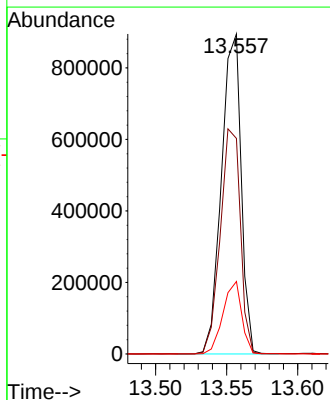
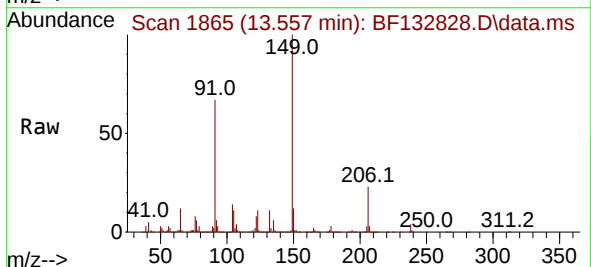
Manual Integrations
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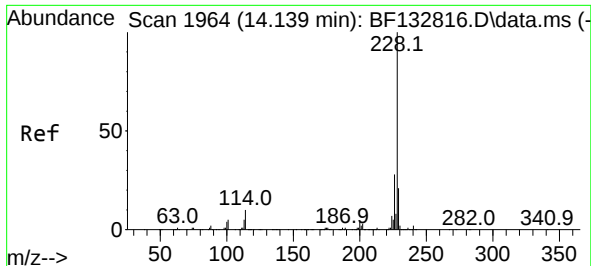
Reviewed By :Christian Giraldo 03/20/2023
 Supervised By :Jagrut Upadhyay 03/20/2023



#80
 Butylbenzylphthalate
 Concen: 49.145 ng
 RT: 13.557 min Scan# 1865
 Delta R.T. 0.006 min
 Lab File: BF132828.D
 Acq: 17 Mar 2023 17:52

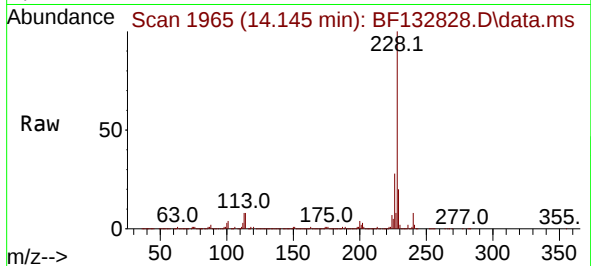
Tgt Ion:149 Resp: 862537
 Ion Ratio Lower Upper
 149 100
 91 67.3 59.5 89.3
 206 22.6 16.2 24.4





#81
Benzo(a)anthracene
Concen: 46.468 ng
RT: 14.145 min Scan# 1965
Delta R.T. 0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

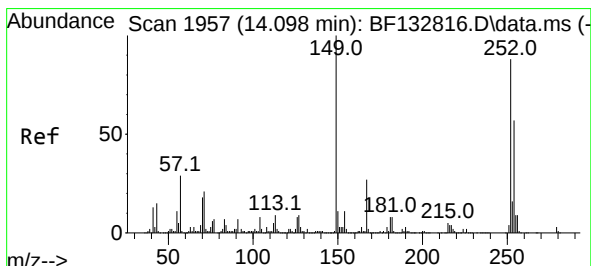
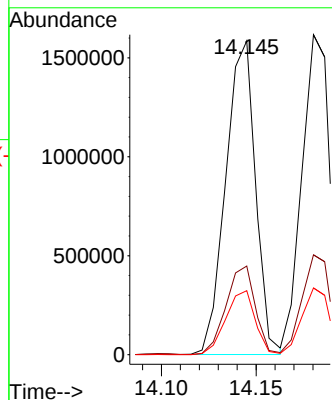
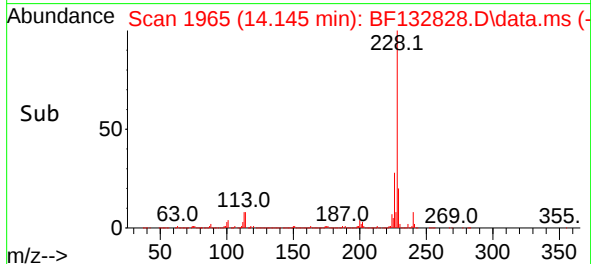
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



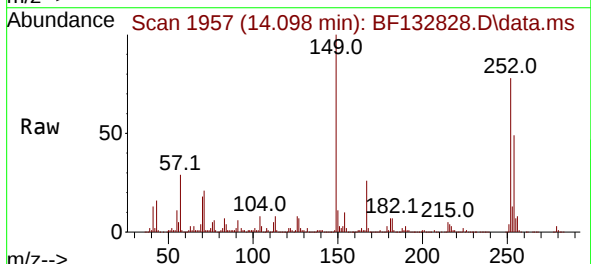
Tgt Ion:228 Resp: 173617
Ion Ratio Lower Upper
228 100
226 28.3 22.2 33.4
229 20.4 16.5 24.7

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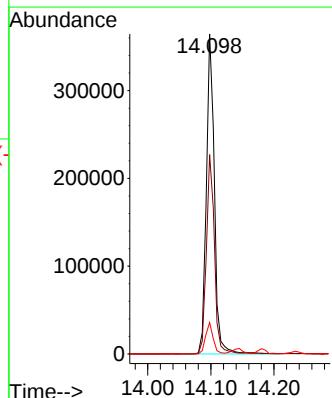
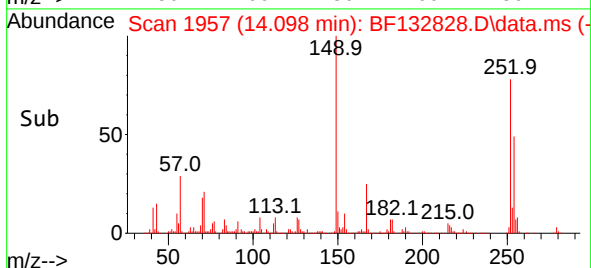
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023

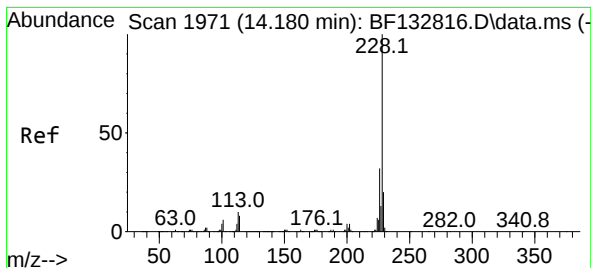


#82
3,3'-Dichlorobenzidine
Concen: 33.403 ng
RT: 14.098 min Scan# 1957
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52



Tgt Ion:252 Resp: 323961
Ion Ratio Lower Upper
252 100
254 62.3 52.2 78.4
126 9.8 7.5 11.3





#83

Chrysene

Concen: 45.891 ng

RT: 14.180 min Scan# 1971

Delta R.T. 0.000 min

Lab File: BF132828.D

Acq: 17 Mar 2023 17:52

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

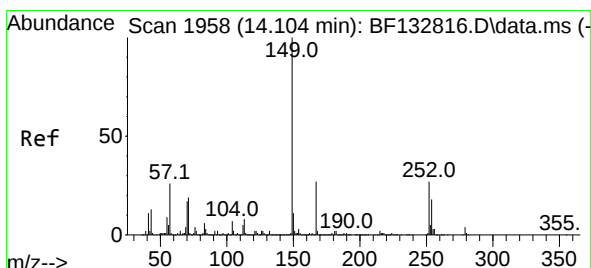
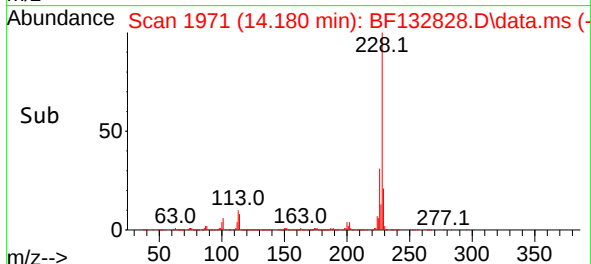
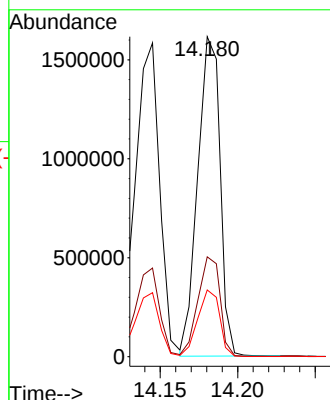
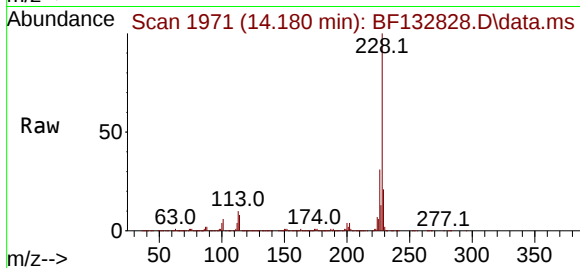
Tgt Ion:228 Resp: 162028

Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.4	38.0
229	20.8	16.1	24.1

Manual Integrations

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Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.156 ng

RT: 14.110 min Scan# 1959

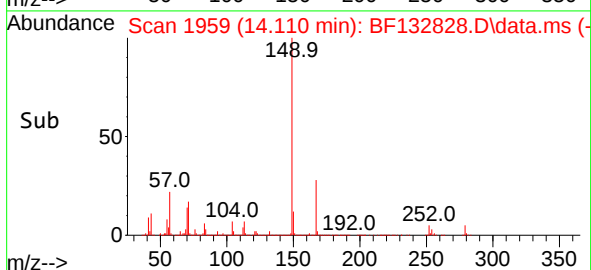
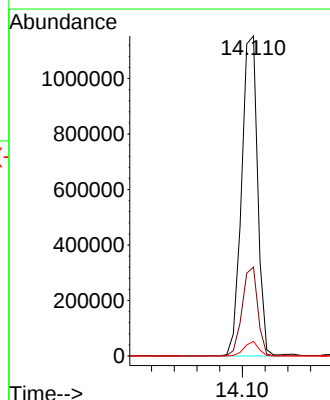
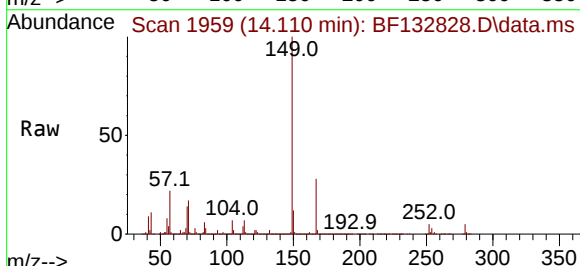
Delta R.T. 0.006 min

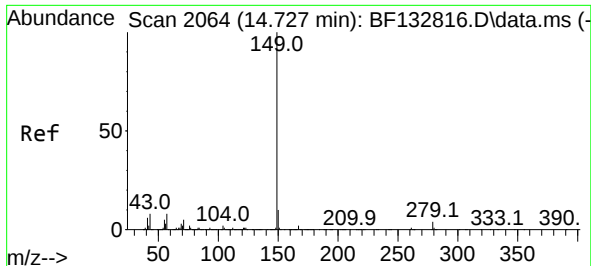
Lab File: BF132828.D

Acq: 17 Mar 2023 17:52

Tgt Ion:149 Resp: 1128982

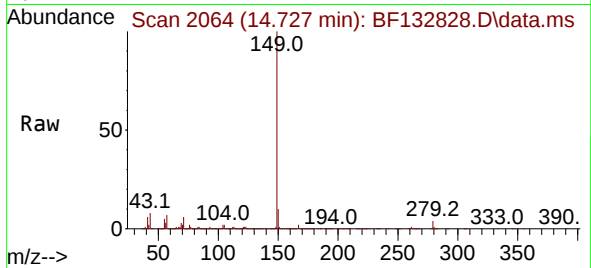
Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.4	32.0
279	4.6	2.9	4.3





#85
Di-n-octyl phthalate
Concen: 53.710 ng
RT: 14.727 min Scan# 2064
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

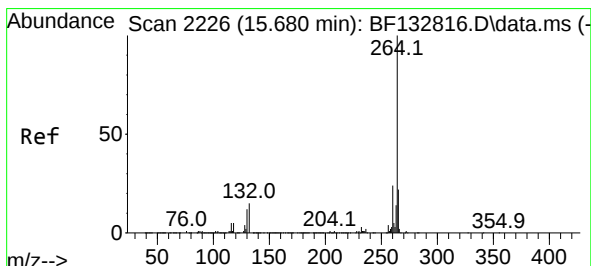
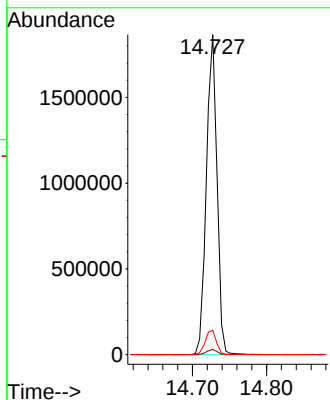
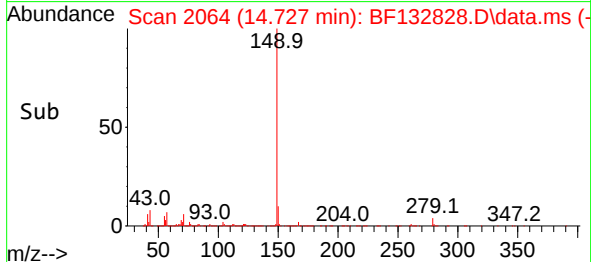
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:149 Resp: 1856940
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.0 6.2 9.4

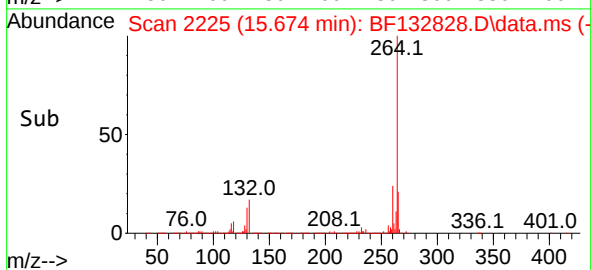
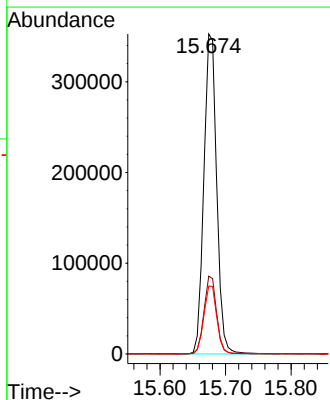
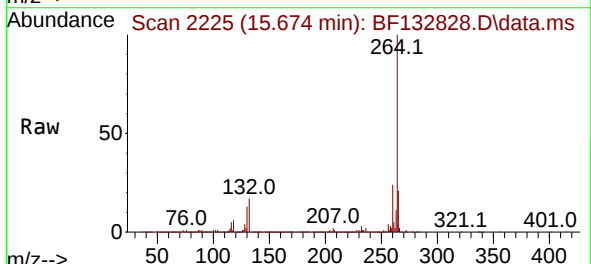
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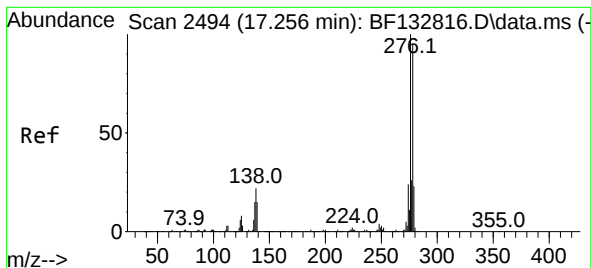
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.674 min Scan# 2225
Delta R.T. -0.006 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

Tgt Ion:264 Resp: 480878
Ion Ratio Lower Upper
264 100
260 24.3 18.9 28.3
265 21.3 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 51.880 ng

RT: 17.257 min Scan# 2494

Delta R.T. 0.000 min

Lab File: BF132828.D

Acq: 17 Mar 2023 17:52

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

Tgt Ion:276 Resp: 1563870

Ion Ratio Lower Upper

276 100

138 22.8 18.8 28.2

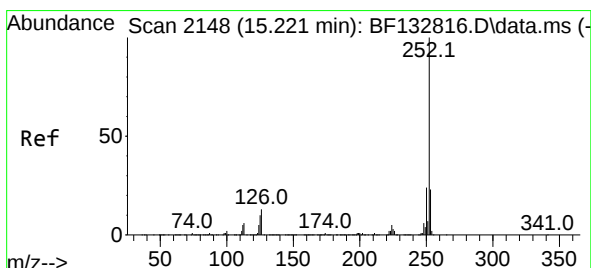
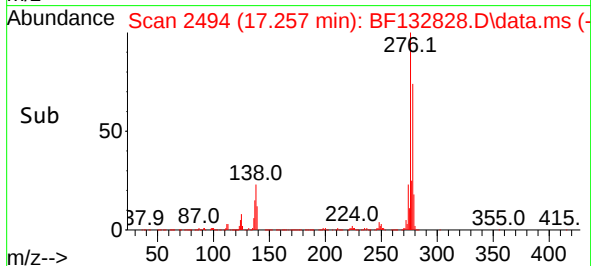
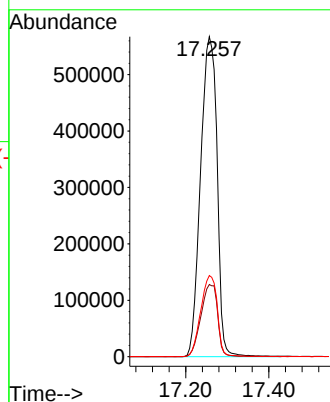
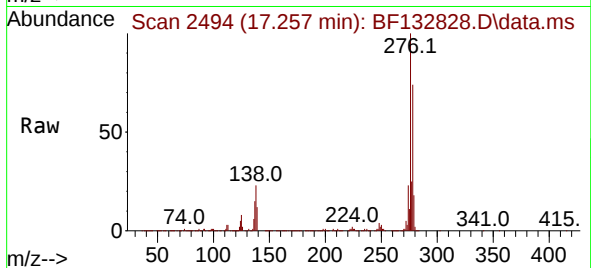
277 25.3 20.3 30.5

Manual Integrations

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Reviewed By :Christian Giraldo 03/20/2023

Supervised By :Jagrut Upadhyay 03/20/2023



#88

Benzo(b)fluoranthene

Concen: 47.327 ng

RT: 15.227 min Scan# 2149

Delta R.T. 0.006 min

Lab File: BF132828.D

Acq: 17 Mar 2023 17:52

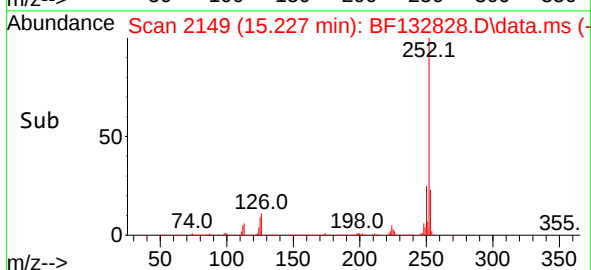
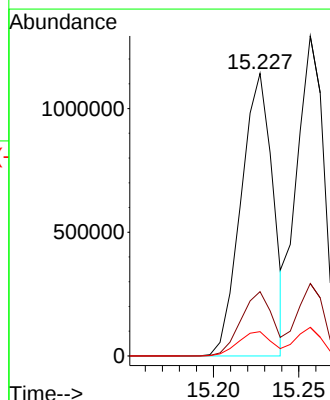
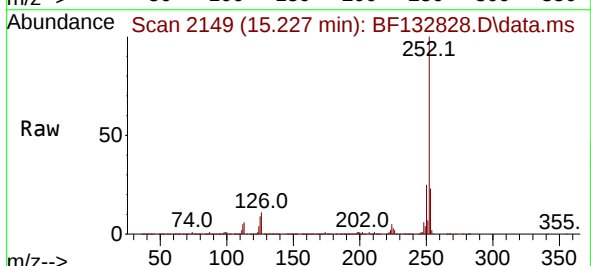
Tgt Ion:252 Resp: 1484546

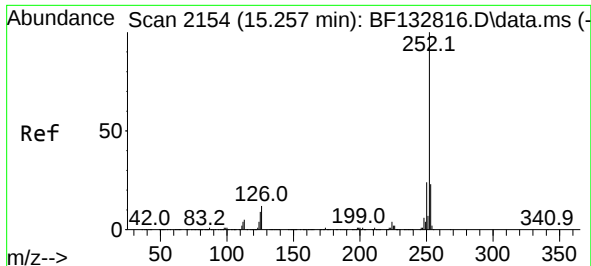
Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.4

125 8.6 7.8 11.8





#89

Benzo(k)fluoranthene

Concen: 47.157 ng

RT: 15.257 min Scan# 2154

Delta R.T. 0.000 min

Lab File: BF132828.D

Acq: 17 Mar 2023 17:52

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

Tgt Ion:252 Resp: 144552

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.4

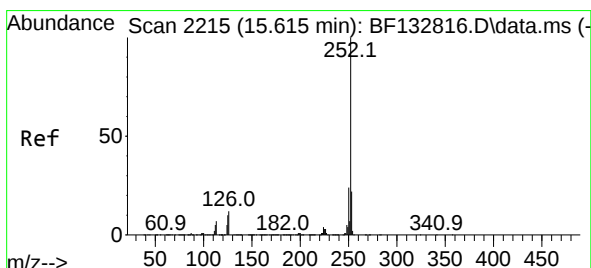
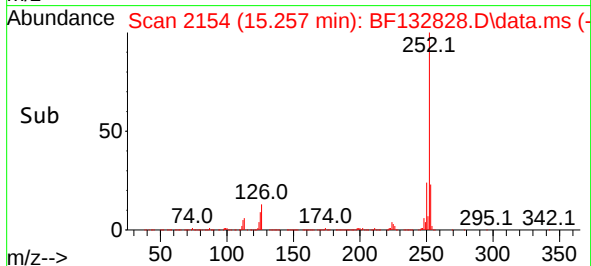
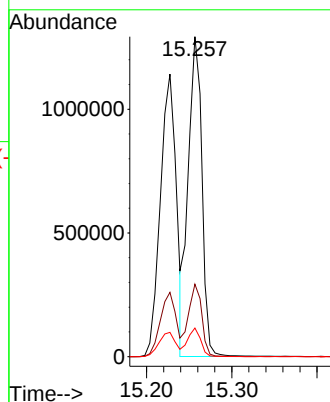
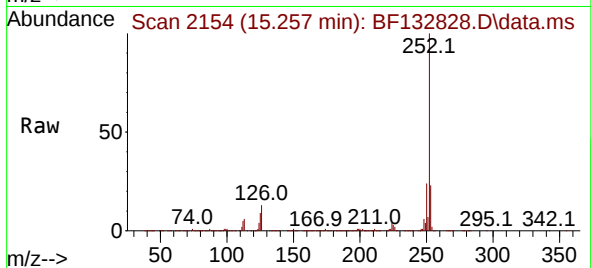
125 9.0 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/20/2023

Supervised By :Jagrut Upadhyay 03/20/2023



#90

Benzo(a)pyrene

Concen: 44.702 ng

RT: 15.616 min Scan# 2215

Delta R.T. 0.000 min

Lab File: BF132828.D

Acq: 17 Mar 2023 17:52

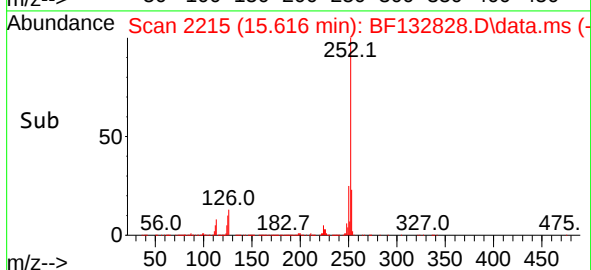
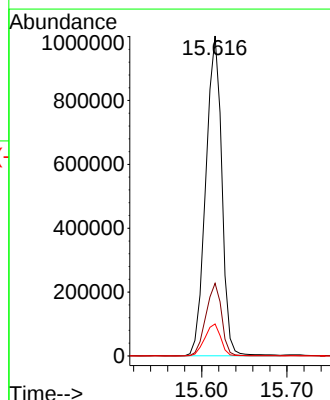
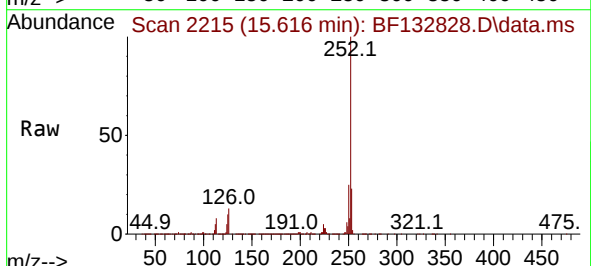
Tgt Ion:252 Resp: 1307189

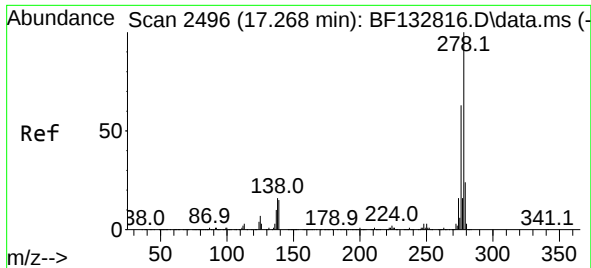
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

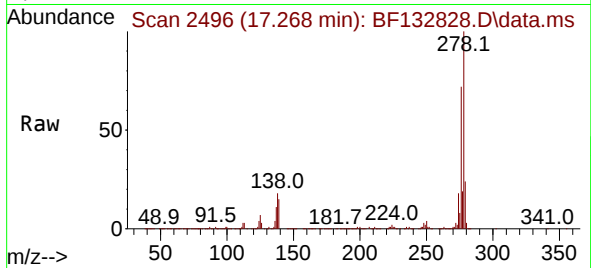
125 10.0 7.7 11.5





#91
Dibenzo(a,h)anthracene
Concen: 51.471 ng
RT: 17.268 min Scan# 2496
Delta R.T. 0.000 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52

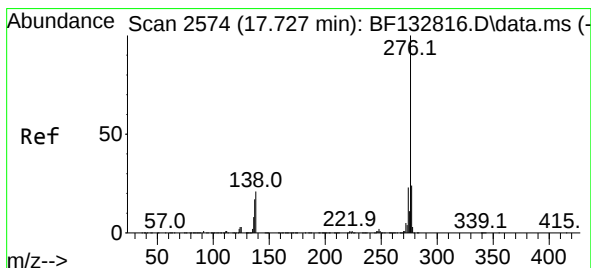
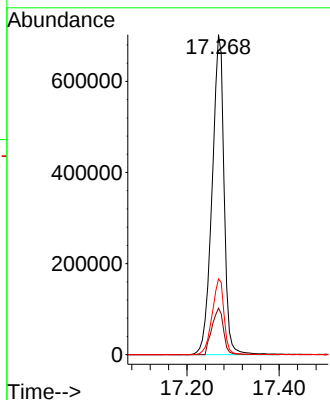
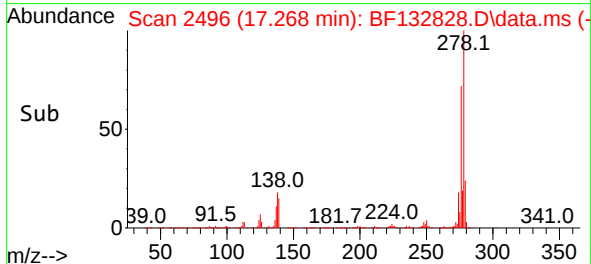
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



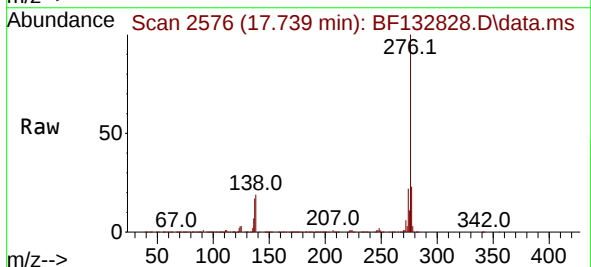
Tgt Ion:278 Resp: 1266160
Ion Ratio Lower Upper
278 100
139 14.5 11.8 17.8
279 23.7 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#92
Benzo(g,h,i)perylene
Concen: 49.248 ng
RT: 17.739 min Scan# 2576
Delta R.T. 0.012 min
Lab File: BF132828.D
Acq: 17 Mar 2023 17:52



Tgt Ion:276 Resp: 1265858
Ion Ratio Lower Upper
276 100
277 23.3 19.0 28.6
138 18.6 16.8 25.2

