

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031523\
 Data File : BF132806.D
 Acq On : 15 Mar 2023 16:45
 Operator : CG\JU
 Sample : 01908-01MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HILLBOR-DRUMS-0314

Quant Time: Mar 16 05:45:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 14 15:35:42 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/16/2023
 Supervised By : Jagrut Upadhyay 03/16/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	215442	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	844094	20.000	ng	0.00
39) Acenaphthene-d10	10.010	164	456287	20.000	ng	0.00
64) Phenanthrene-d10	11.504	188	841461	20.000	ng	0.00
76) Chrysene-d12	14.157	240	288737	20.000	ng	0.00
86) Perylene-d12	15.686	264	296801	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	1349873	101.689	ng	0.01
7) Phenol-d6	6.604	99	1721323	99.358	ng	0.00
23) Nitrobenzene-d5	7.534	82	1122369	63.086	ng	0.00
42) 2,4,6-Tribromophenol	10.810	330	460775	93.507	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1659419	55.376	ng	0.00
79) Terphenyl-d14	13.092	244	1266155	74.142	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.887	88	289779	39.464	ng	94
3) Pyridine	3.652	79	725039	37.199	ng	93
4) n-Nitrosodimethylamine	3.622	42	284929	38.701	ng	83
6) Aniline	6.628	93	501670	21.517	ng	99
8) 2-Chlorophenol	6.757	128	641143	46.536	ng	93
9) Benzaldehyde	6.522	77	273563	29.263	ng	95
10) Phenol	6.616	94	773947	38.966	ng	97
11) bis(2-Chloroethyl)ether	6.698	93	646576	42.169	ng	95
12) 1,3-Dichlorobenzene	6.904	146	645211	43.640	ng	98
13) 1,4-Dichlorobenzene	6.981	146	637333	43.171	ng	99
14) 1,2-Dichlorobenzene	7.134	146	617866	43.610	ng	100
15) Benzyl Alcohol	7.110	79	544173	40.785	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.234	45	715218	36.579	ng	82
17) 2-Methylphenol	7.222	107	498110	38.739	ng	98
18) Hexachloroethane	7.475	117	250954	43.511	ng	98
19) n-Nitroso-di-n-propyla...	7.381	70	381756	35.805	ng	92
20) 3+4-Methylphenols	7.375	107	581740	35.020	ng	94
22) Acetophenone	7.375	105	770744	36.212	ng	93
24) Nitrobenzene	7.551	77	687432	36.128	ng	99
25) Isophorone	7.787	82	1297217	38.031	ng	100
26) 2-Nitrophenol	7.869	139	345841	41.195	ng	91
27) 2,4-Dimethylphenol	7.904	122	528613	39.895	ng	97
28) bis(2-Chloroethoxy)met...	7.992	93	777967	38.988	ng	99
29) 2,4-Dichlorophenol	8.110	162	512957	38.918	ng	98
30) 1,2,4-Trichlorobenzene	8.192	180	557713	38.968	ng	97
31) Naphthalene	8.275	128	1623906	37.580	ng	100
32) Benzoic acid	8.040	122	371517m	36.574	ng	
33) 4-Chloroaniline	8.322	127	125004	6.751	ng	# 93
34) Hexachlorobutadiene	8.381	225	357644	39.324	ng	99
35) Caprolactam	8.710	113	181390m	41.744	ng	
36) 4-Chloro-3-methylphenol	8.810	107	548053	37.862	ng	93
37) 2-Methylnaphthalene	8.963	142	1081723	36.732	ng	99
38) 1-Methylnaphthalene	9.063	142	1006208	36.561	ng	99
40) 1,2,4,5-Tetrachloroben...	9.134	216	576774	38.635	ng	99
41) Hexachlorocyclopentadiene	9.116	237	564809	69.754	ng	99
43) 2,4,6-Trichlorophenol	9.245	196	384817	38.036	ng	98

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Manual Integrations
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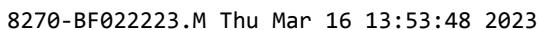
Reviewed By : Christian Giraldo 03/16/2023
 Supervised By : Jagrut Upadhyay 03/16/2023

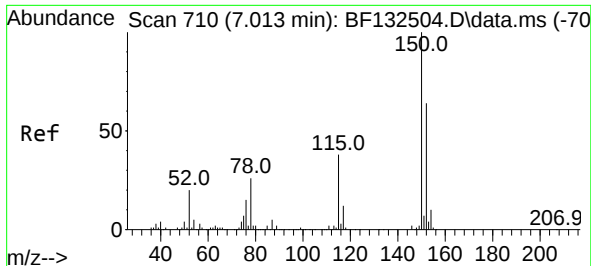
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.292	196	404341	34.243	ng	97
46) 1,1'-Biphenyl	9.428	154	1323547	38.324	ng	99
47) 2-Chloronaphthalene	9.457	162	1082193	39.523	ng	99
48) 2-Nitroaniline	9.557	65	349139	34.621	ng	87
49) Acenaphthylene	9.875	152	1618085	37.131	ng	99
50) Dimethylphthalate	9.728	163	1292477	38.903	ng	100
51) 2,6-Dinitrotoluene	9.798	165	296490	39.186	ng	# 86
52) Acenaphthene	10.045	154	1126825m	40.721	ng	
53) 3-Nitroaniline	9.969	138	147693	17.450	ng	89
54) 2,4-Dinitrophenol	10.081	184	312053	65.783	ng	95
55) Dibenzofuran	10.222	168	1460863	36.213	ng	99
56) 4-Nitrophenol	10.139	139	393931	62.409	ng	89
57) 2,4-Dinitrotoluene	10.204	165	381617	37.912	ng	95
58) Fluorene	10.563	166	1143659	37.063	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.339	232	341453	38.928	ng	98
60) Diethylphthalate	10.428	149	1186220	36.558	ng	99
61) 4-Chlorophenyl-phenyle...	10.551	204	603787	37.719	ng	91
62) 4-Nitroaniline	10.592	138	292755	35.237	ng	90
63) Azobenzene	10.710	77	1291318	37.577	ng	98
65) 4,6-Dinitro-2-methylph...	10.616	198	222599	39.078	ng	98
66) n-Nitrosodiphenylamine	10.669	169	1002604	38.219	ng	100
67) 4-Bromophenyl-phenylether	11.039	248	377749	39.687	ng	99
68) Hexachlorobenzene	11.110	284	425316	42.466	ng	# 94
69) Atrazine	11.198	200	344697	42.089	ng	100
70) Pentachlorophenol	11.310	266	367432	61.662	ng	99
71) Phenanthrene	11.533	178	1630800	37.411	ng	99
72) Anthracene	11.586	178	1673320	37.276	ng	100
73) Carbazole	11.739	167	1491267	36.846	ng	99
74) Di-n-butylphthalate	12.051	149	1227526	25.856	ng	99
75) Fluoranthene	12.722	202	1173306	24.621	ng	99
77) Benzidine	12.839	184	295969	42.109	ng	99
78) Pyrene	12.957	202	1189883	45.327	ng	99
80) Butylbenzylphthalate	13.557	149	419017	40.448	ng	99
81) Benzo(a)anthracene	14.151	228	862445	39.921	ng	98
82) 3,3'-Dichlorobenzidine	14.104	252	95595	15.009	ng	97
83) Chrysene	14.186	228	808231	40.007	ng	99
84) Bis(2-ethylhexyl)phtha...	14.116	149	455881	35.823	ng	99
85) Di-n-octyl phthalate	14.733	149	713567	38.371	ng	98
87) Indeno(1,2,3-cd)pyrene	17.274	276	890604	45.795	ng	96
88) Benzo(b)fluoranthene	15.233	252	812367	40.843	ng	99
89) Benzo(k)fluoranthene	15.263	252	697949	35.854	ng	99
90) Benzo(a)pyrene	15.627	252	700004	37.603	ng	99
91) Dibenzo(a,h)anthracene	17.286	278	720177	45.450	ng	# 96
92) Benzo(g,h,i)perylene	17.757	276	775270	43.452	ng	97

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

Manual Integrations

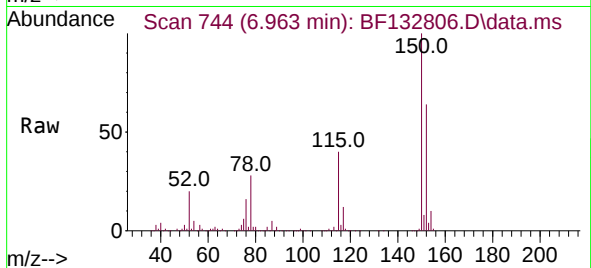
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

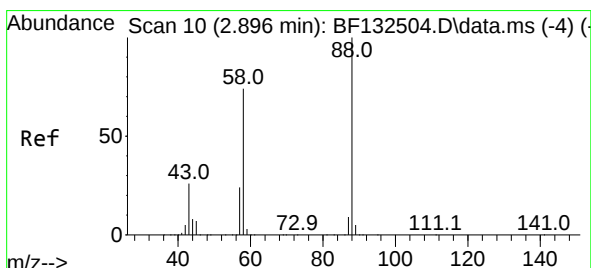
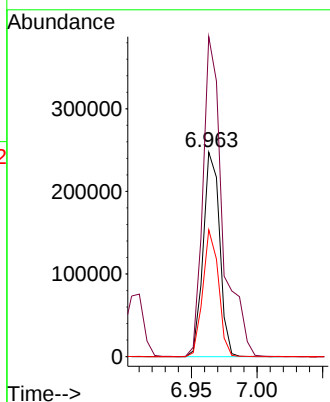
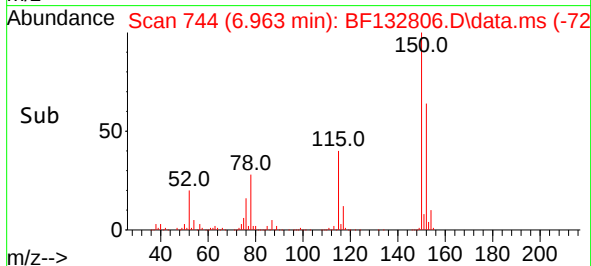
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:152 Resp: 215442
Ion Ratio Lower Upper
152 100
150 156.6 125.4 188.2
115 62.0 47.8 71.6

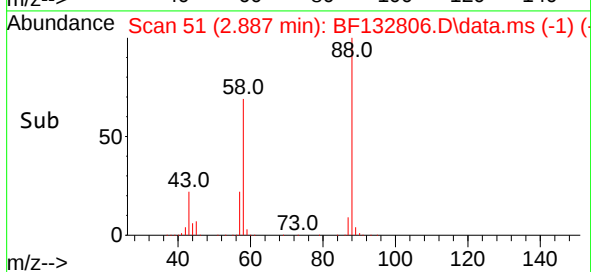
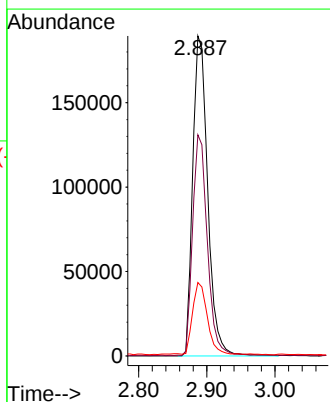
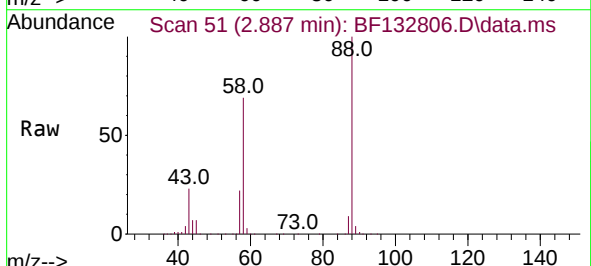
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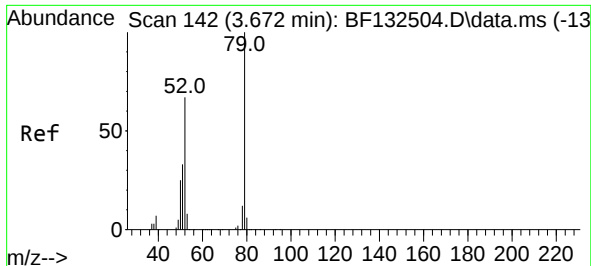
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#2
1,4-Dioxane
Concen: 39.464 ng
RT: 2.887 min Scan# 51
Delta R.T. 0.076 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

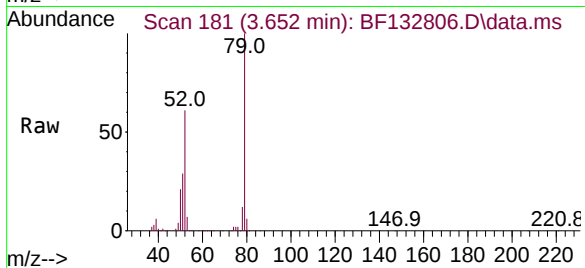
Tgt Ion: 88 Resp: 289779
Ion Ratio Lower Upper
88 100
58 67.8 58.3 87.5
43 22.7 20.7 31.1





#3
Pyridine
Concen: 37.199 ng
RT: 3.652 min Scan# 181
Delta R.T. 0.059 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

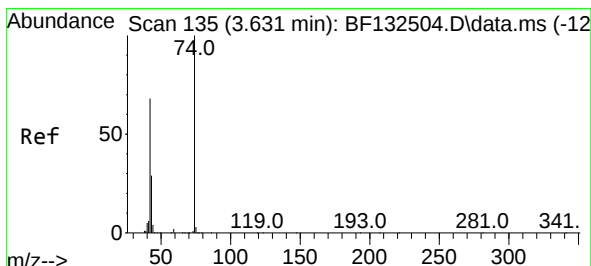
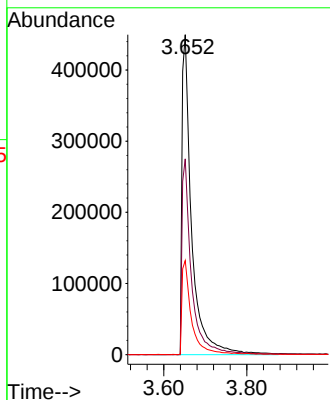
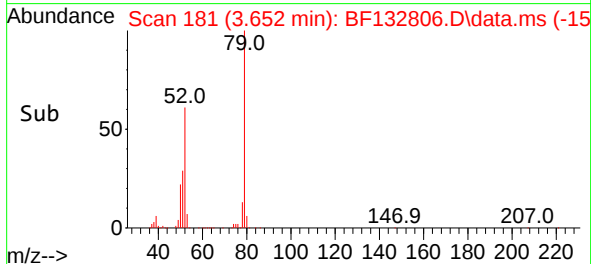
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion: 79 Resp: 725039
Ion Ratio Lower Upper
79 100
52 61.2 53.7 80.5
51 29.4 26.6 40.0

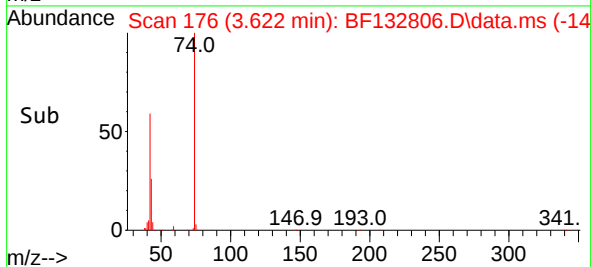
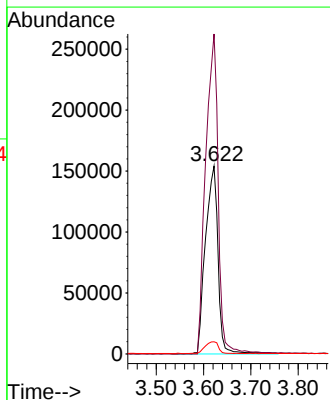
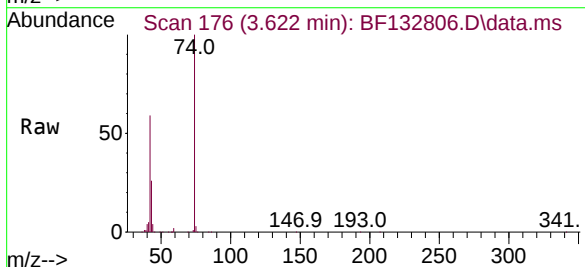
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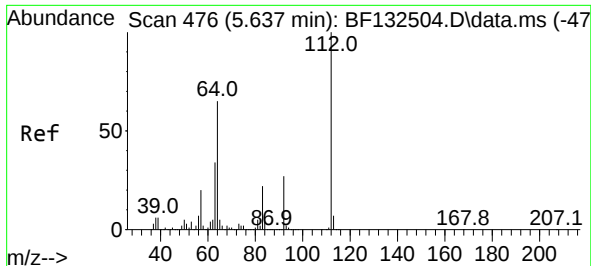
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#4
n-Nitrosodimethylamine
Concen: 38.701 ng
RT: 3.622 min Scan# 176
Delta R.T. 0.065 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

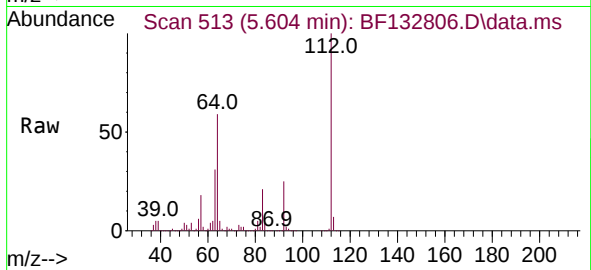
Tgt Ion: 42 Resp: 284929
Ion Ratio Lower Upper
42 100
74 170.4 118.2 177.2
44 6.4 5.3 7.9





#5
2-Fluorophenol
Concen: 101.689 ng
RT: 5.604 min Scan# 513
Delta R.T. 0.012 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

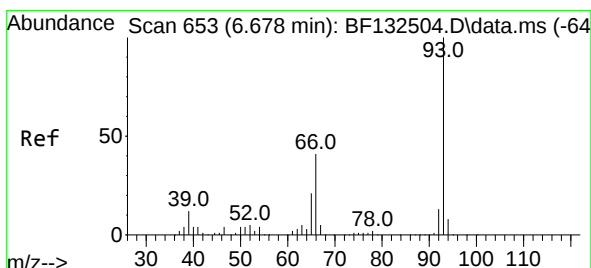
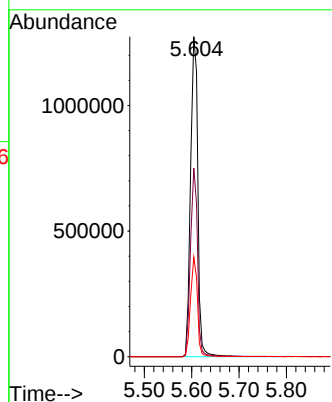
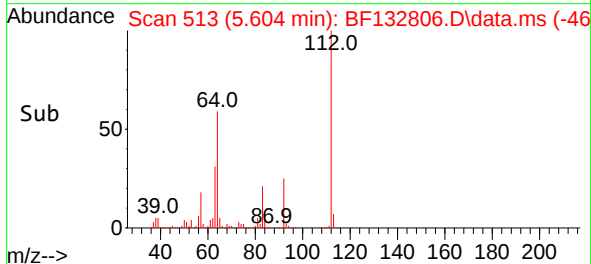
Instrument :
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ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion: 112 Resp: 1349873
Ion Ratio Lower Upper
112 100
64 58.9 51.6 77.4
63 31.1 27.4 41.2

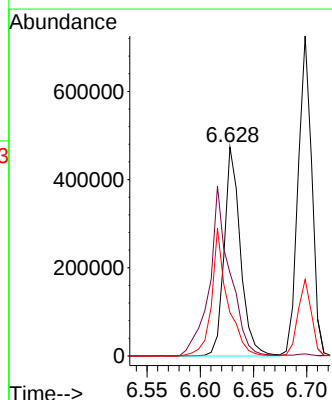
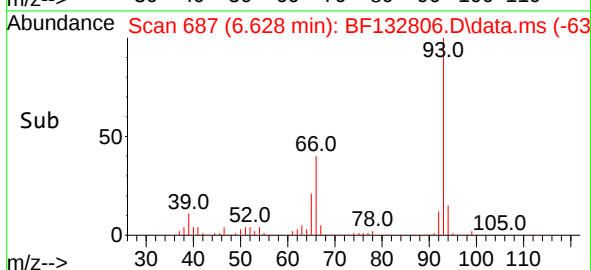
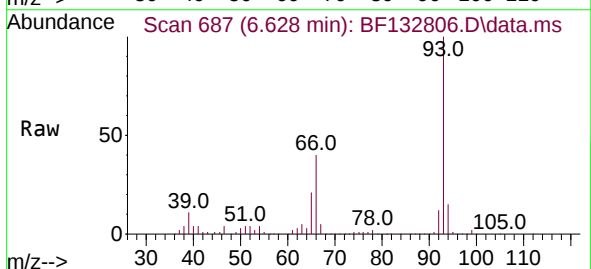
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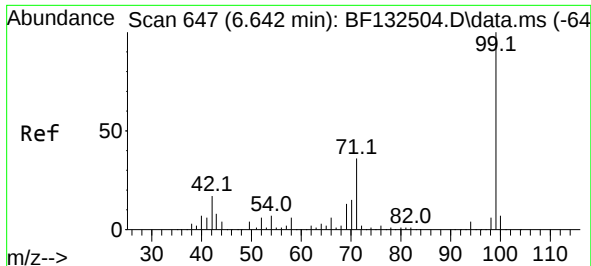
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#6
Aniline
Concen: 21.517 ng
RT: 6.628 min Scan# 687
Delta R.T. -0.006 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

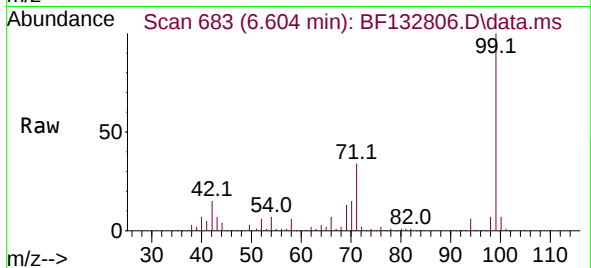
Tgt Ion: 93 Resp: 501670
Ion Ratio Lower Upper
93 100
66 39.8 32.5 48.7
65 20.6 16.6 24.8





#7
Phenol-d6
Concen: 99.358 ng
RT: 6.604 min Scan# 683
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

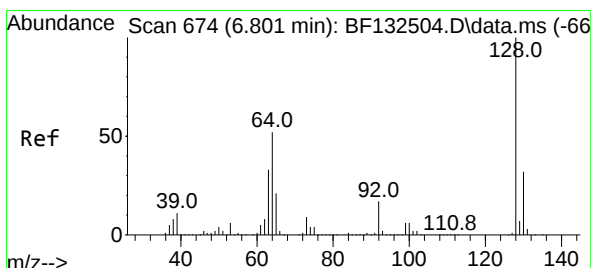
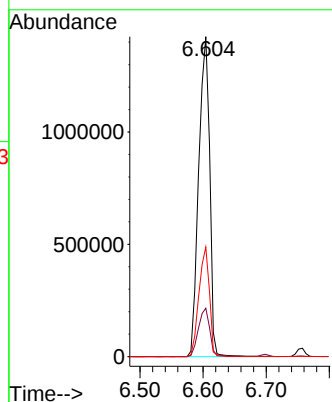
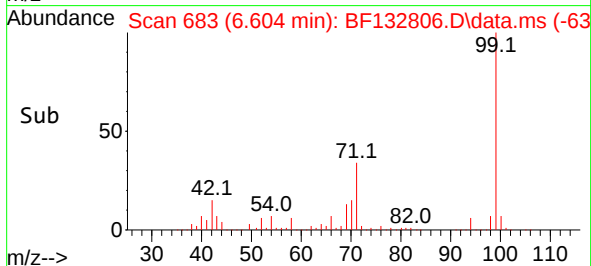
Instrument :
BNA_F
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HILLBOR-DRUMS-0314



Tgt Ion: 99 Resp: 1721323
Ion Ratio Lower Upper
99 100
42 15.1 13.9 20.9
71 34.2 28.5 42.7

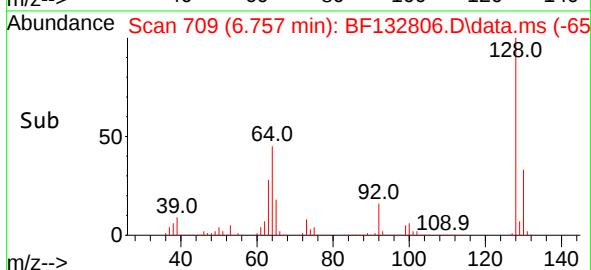
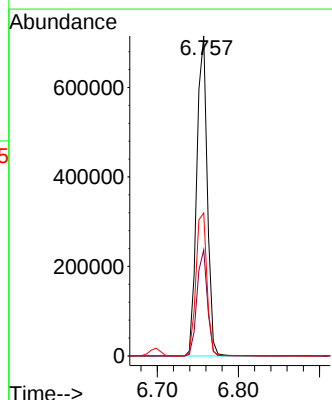
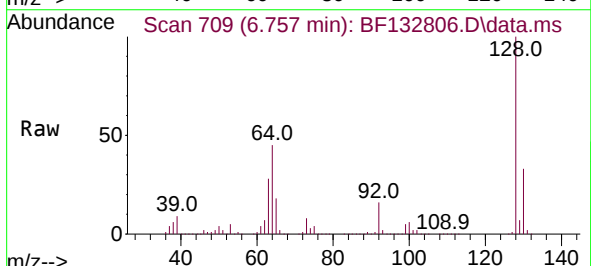
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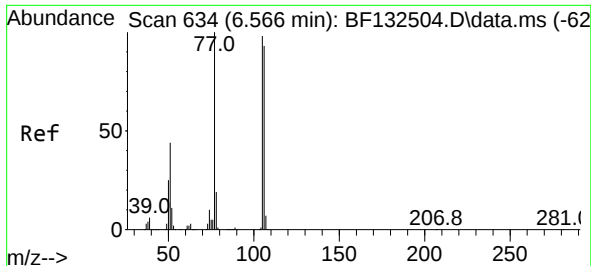
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#8
2-Chlorophenol
Concen: 46.536 ng
RT: 6.757 min Scan# 709
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

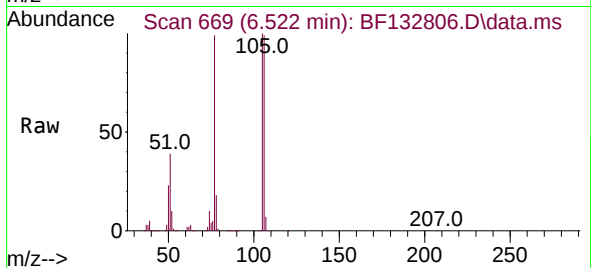
Tgt Ion:128 Resp: 641143
Ion Ratio Lower Upper
128 100
130 33.2 12.1 52.1
64 44.7 32.0 72.0





#9
Benzaldehyde
Concen: 29.263 ng
RT: 6.522 min Scan# 60
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

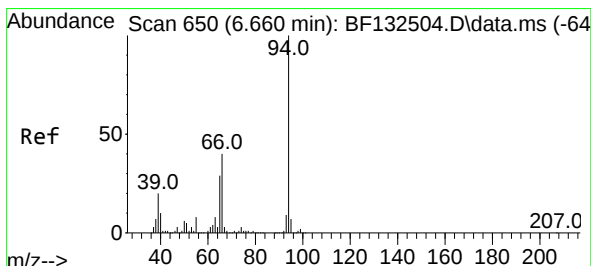
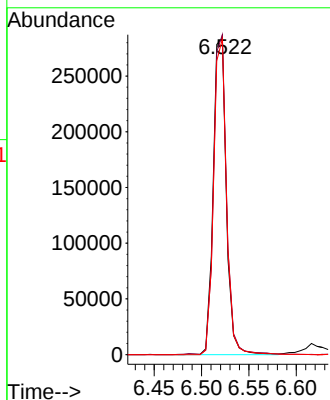
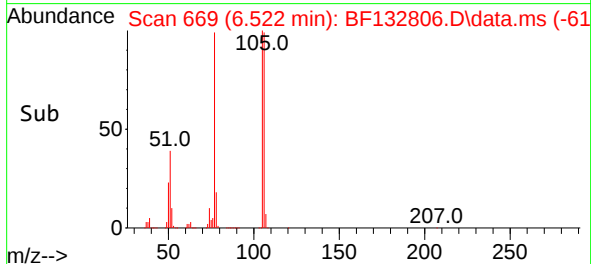
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion: 77 Resp: 273563
Ion Ratio Lower Upper
77 100
105 101.1 77.9 117.9
106 99.7 73.4 113.4

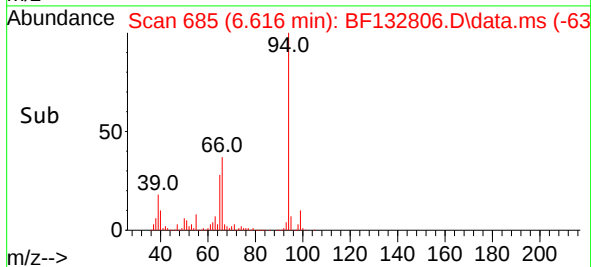
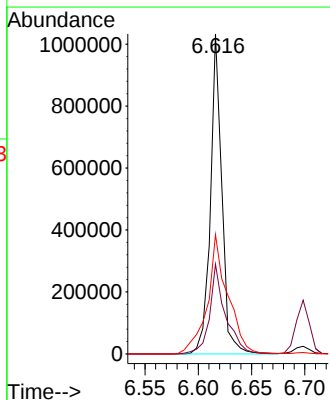
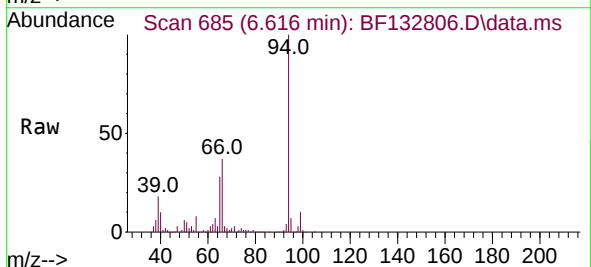
Manual Integrations
APPROVED

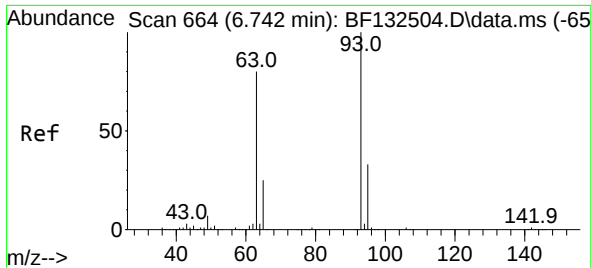
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#10
Phenol
Concen: 38.966 ng
RT: 6.616 min Scan# 685
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

Tgt Ion: 94 Resp: 773947
Ion Ratio Lower Upper
94 100
65 28.0 9.4 49.4
66 37.3 19.8 59.8





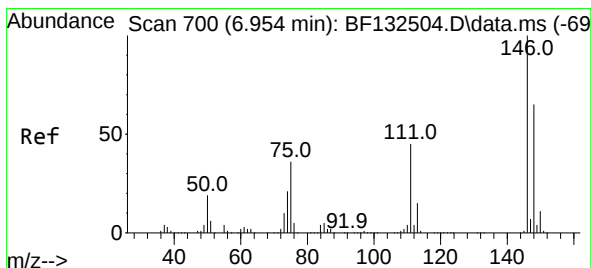
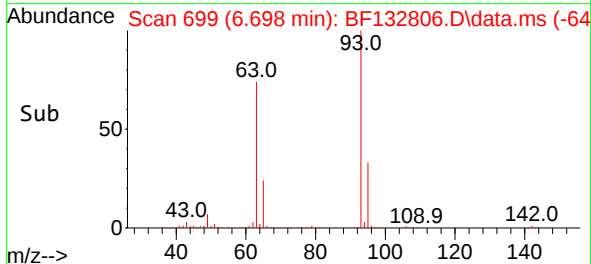
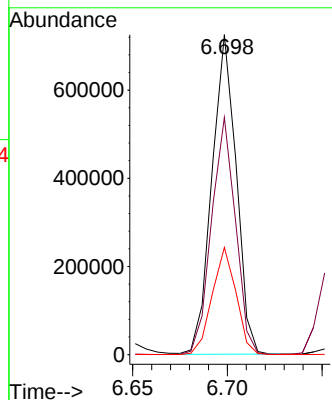
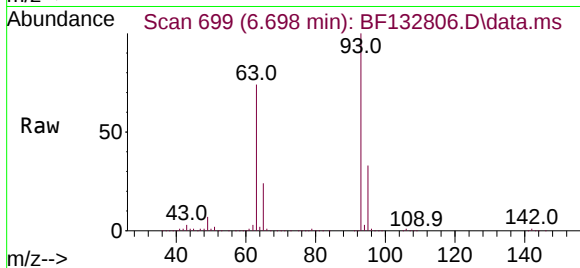
#11
bis(2-Chloroethyl)ether
Concen: 42.169 ng
RT: 6.698 min Scan# 699
Delta R.T. -0.006 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion: 93 Resp: 646576
Ion Ratio Lower Upper
93 100
63 74.1 59.6 99.6
95 33.5 12.8 52.8

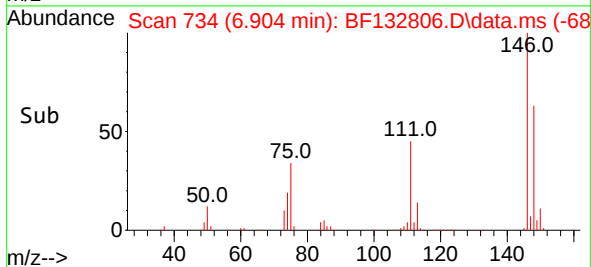
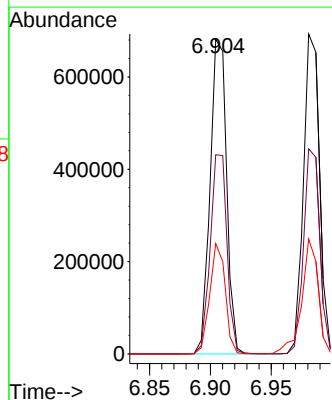
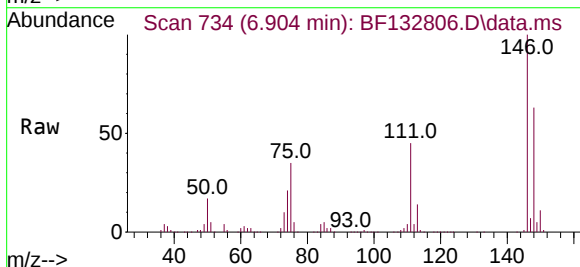
Manual Integrations
APPROVED

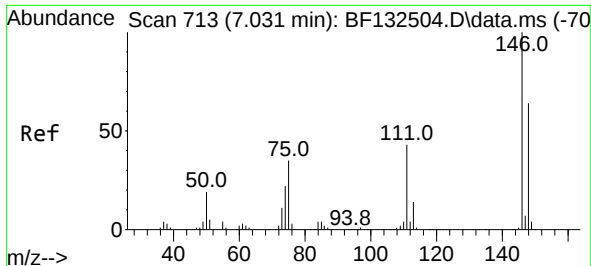
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#12
1,3-Dichlorobenzene
Concen: 43.640 ng
RT: 6.904 min Scan# 734
Delta R.T. -0.006 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

Tgt Ion:146 Resp: 645211
Ion Ratio Lower Upper
146 100
148 63.3 51.9 77.9
75 35.1 28.9 43.3





#13

1,4-Dichlorobenzene

Concen: 43.171 ng

RT: 6.981 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF132806.D

Acq: 15 Mar 2023 16:45

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

Tgt Ion:146 Resp: 63733

Ion Ratio Lower Upper

146 100

148 64.1 51.1 76.7

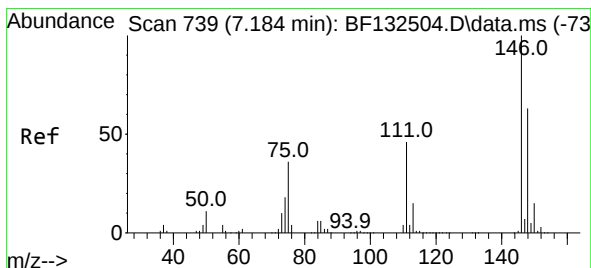
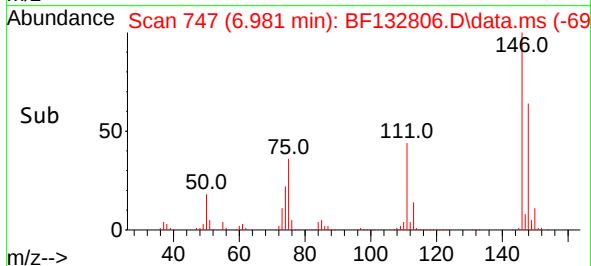
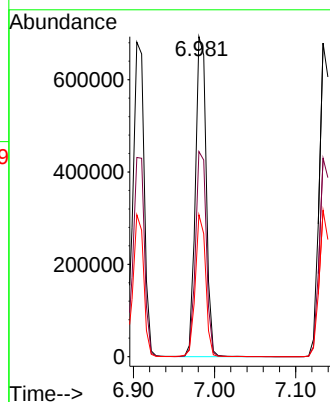
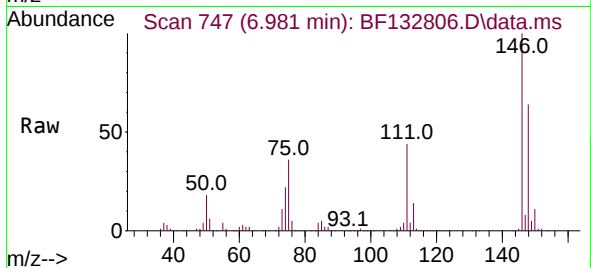
111 44.3 34.8 52.2

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Reviewed By :Christian Giraldo 03/16/2023

Supervised By :Jagrut Upadhyay 03/16/2023



#14

1,2-Dichlorobenzene

Concen: 43.610 ng

RT: 7.134 min Scan# 773

Delta R.T. -0.006 min

Lab File: BF132806.D

Acq: 15 Mar 2023 16:45

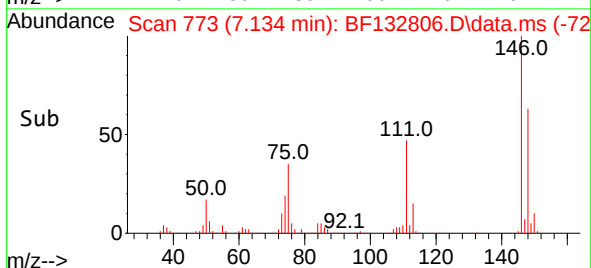
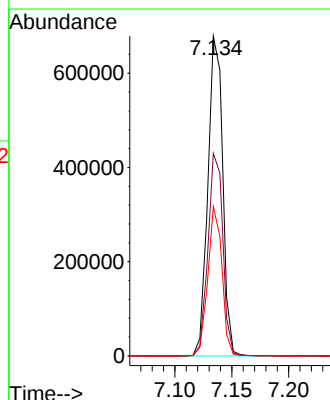
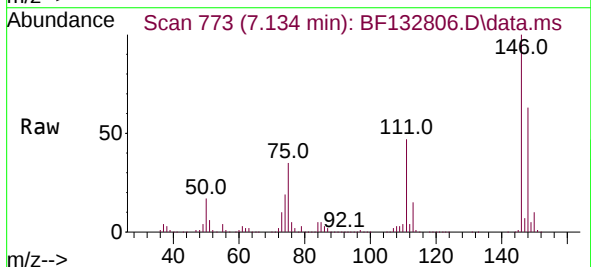
Tgt Ion:146 Resp: 617866

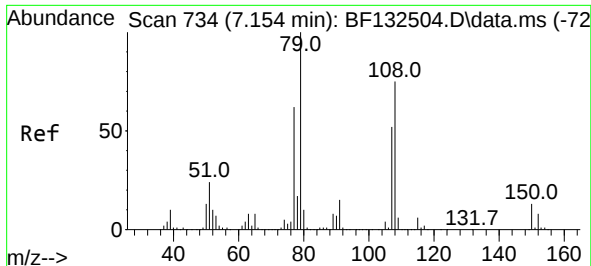
Ion Ratio Lower Upper

146 100

148 63.3 50.6 75.8

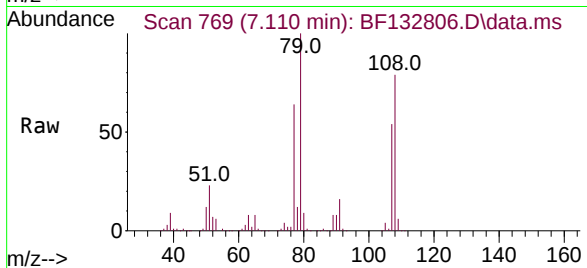
111 46.7 37.2 55.8





#15
Benzyl Alcohol
Concen: 40.785 ng
RT: 7.110 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

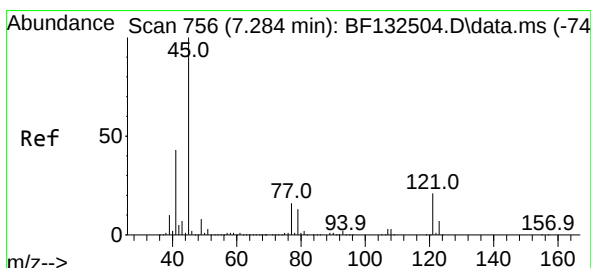
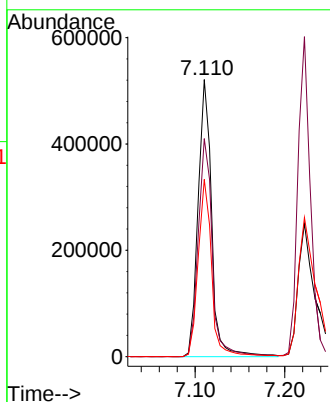
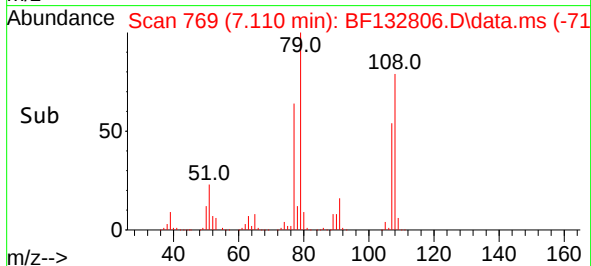
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



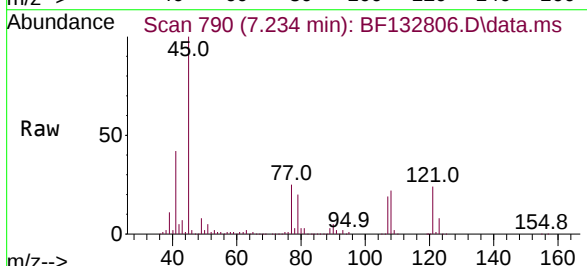
Tgt Ion: 79 Resp: 544173
Ion Ratio Lower Upper
79 100
108 78.7 60.2 90.4
77 64.0 49.9 74.9

Manual Integrations
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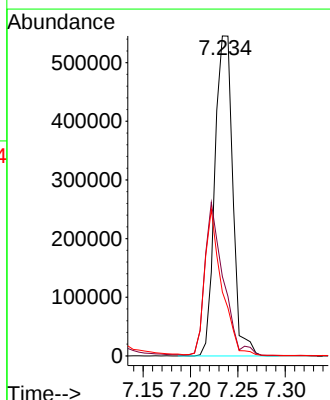
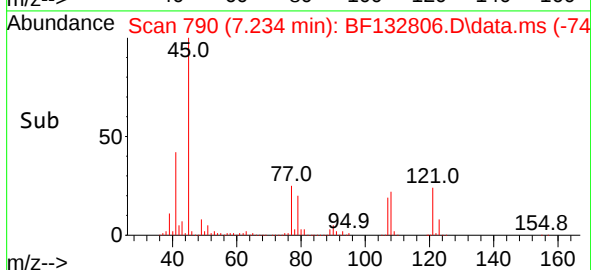
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023

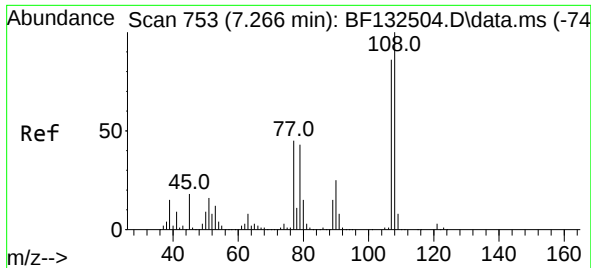


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.579 ng
RT: 7.234 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45



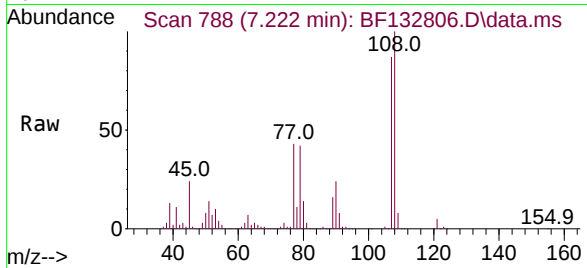
Tgt Ion: 45 Resp: 715218
Ion Ratio Lower Upper
45 100
77 24.8 0.0 36.4
79 20.0 0.0 33.4





#17
2-Methylphenol
Concen: 38.739 ng
RT: 7.222 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

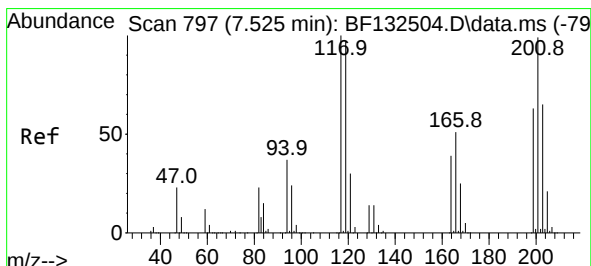
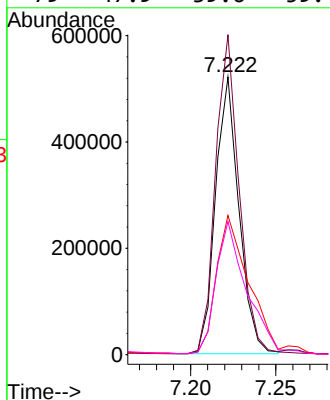
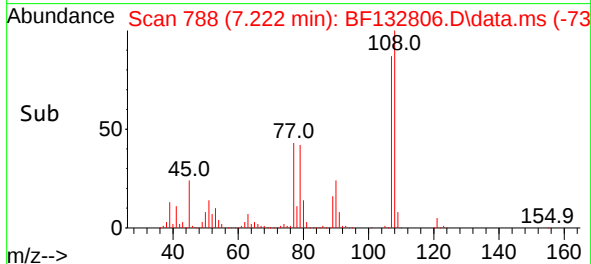
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



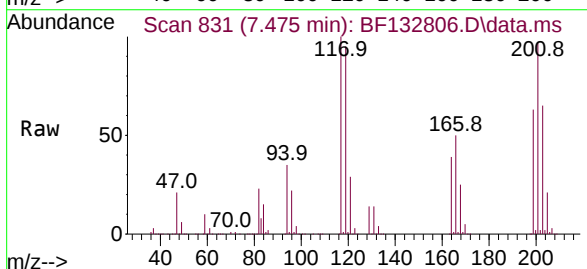
Tgt Ion:107 Resp: 498110
Ion Ratio Lower Upper
107 100
108 115.3 93.0 139.4
77 50.1 42.1 63.1
79 47.9 39.6 59.4

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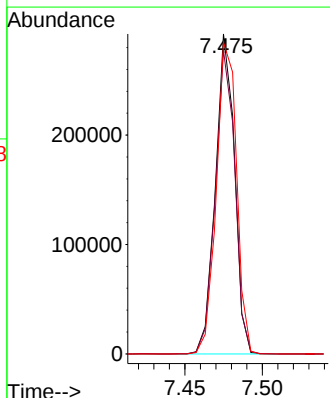
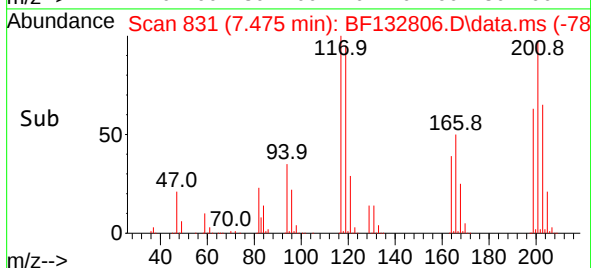
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023

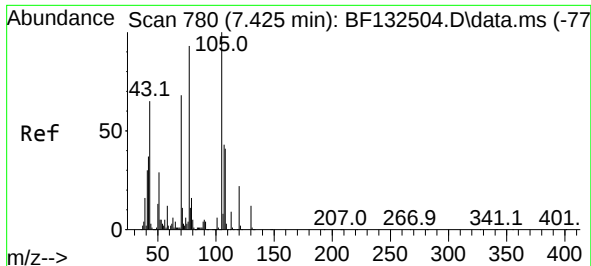


#18
Hexachloroethane
Concen: 43.511 ng
RT: 7.475 min Scan# 831
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45



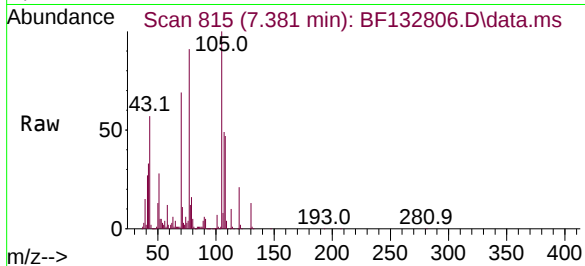
Tgt Ion:117 Resp: 250954
Ion Ratio Lower Upper
117 100
119 94.9 78.0 117.0
201 97.4 79.0 118.4





#19
n-Nitroso-di-n-propylamine
Concen: 35.805 ng
RT: 7.381 min Scan# 815
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

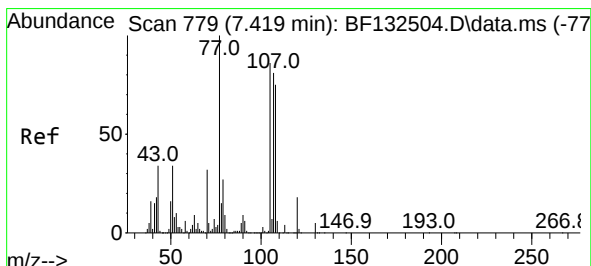
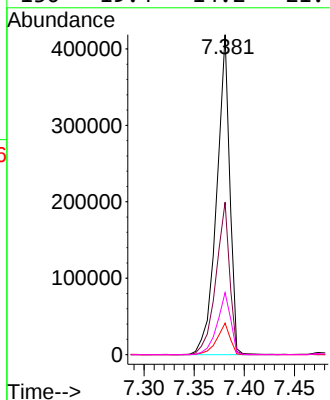
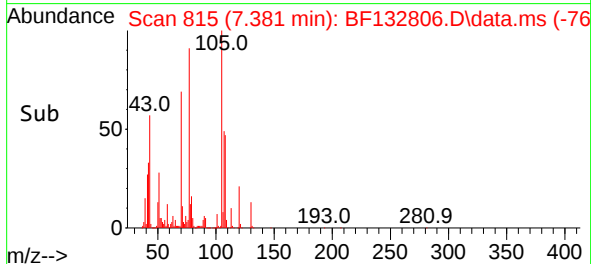
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



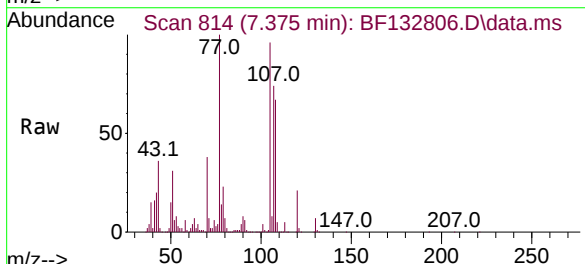
Tgt Ion: 70 Resp: 381756
Ion Ratio Lower Upper
70 100
42 47.6 44.1 66.1
101 9.8 7.4 11.2
130 19.4 14.2 21.4

Manual Integrations
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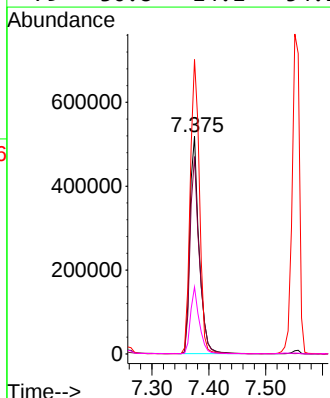
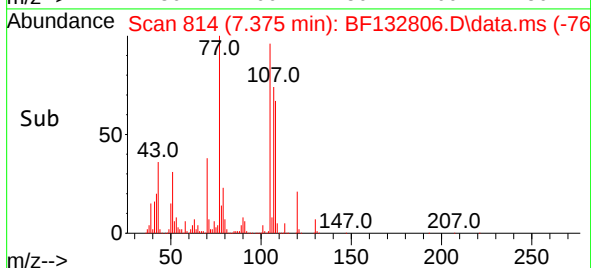
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023

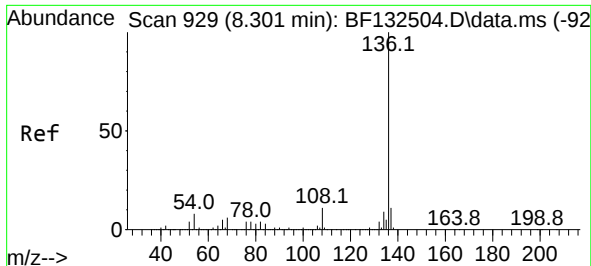


#20
3+4-Methylphenols
Concen: 35.020 ng
RT: 7.375 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45



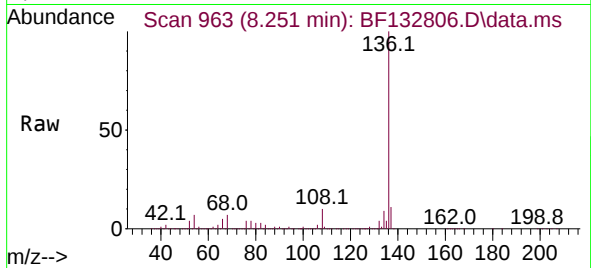
Tgt Ion:107 Resp: 581740
Ion Ratio Lower Upper
107 100
108 90.7 72.6 112.6
77 135.4 104.0 144.0
79 30.8 14.1 54.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

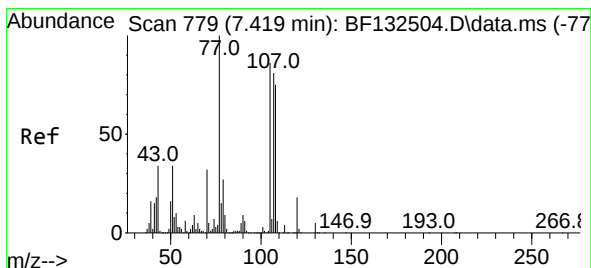
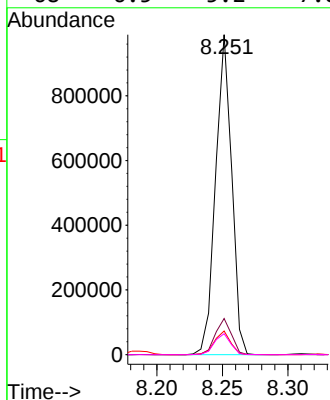
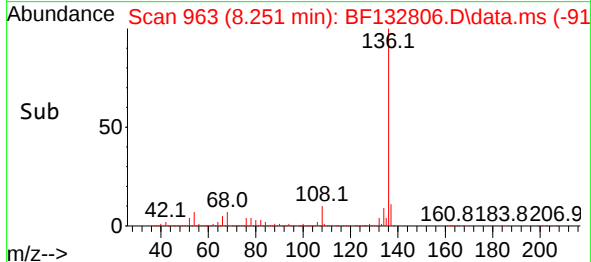
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



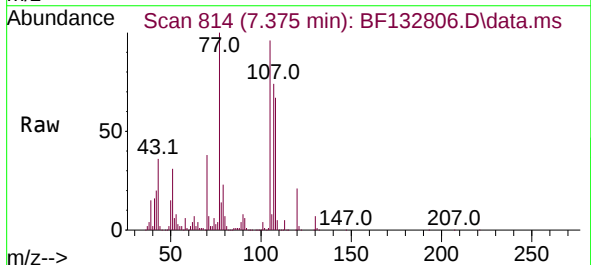
Tgt Ion:136 Resp: 844094
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 7.4 6.2 9.4
68 6.5 5.2 7.8

Manual Integrations
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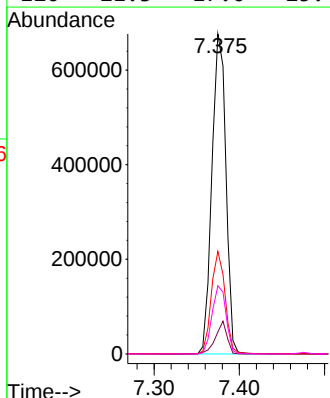
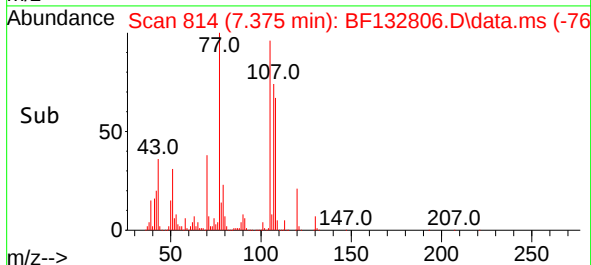
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023

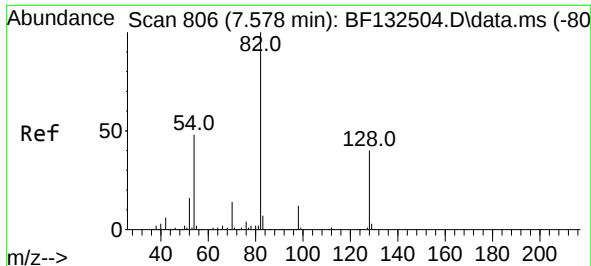


#22
Acetophenone
Concen: 36.212 ng
RT: 7.375 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45



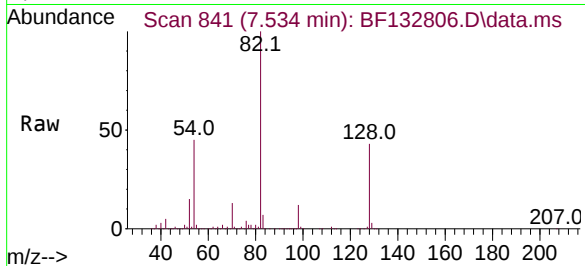
Tgt Ion:105 Resp: 770744
Ion Ratio Lower Upper
105 100
71 6.8 5.0 7.4
51 32.0 31.5 47.3
120 21.3 17.0 25.4





#23
Nitrobenzene-d5
Concen: 63.086 ng
RT: 7.534 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

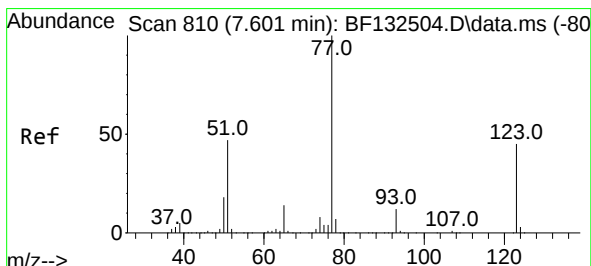
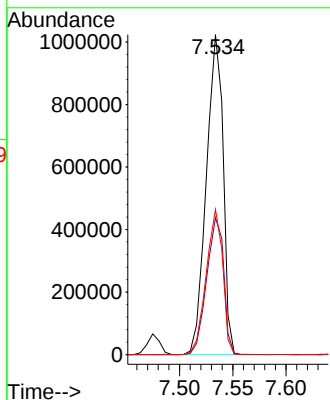
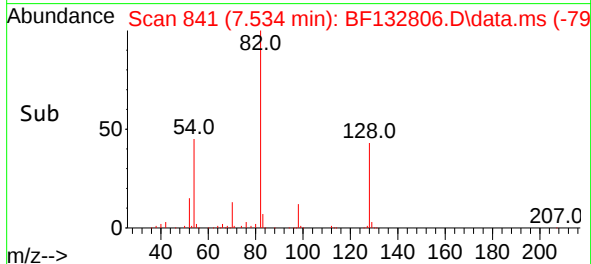
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion: 82 Resp: 1122369
Ion Ratio Lower Upper
82 100
128 42.7 32.2 48.2
54 45.3 38.4 57.6

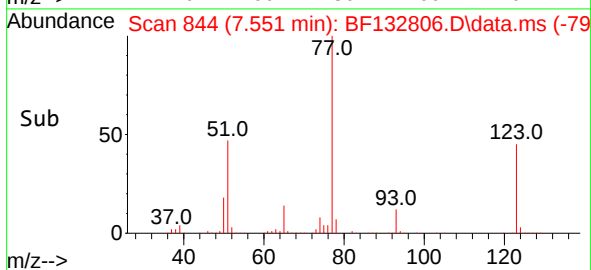
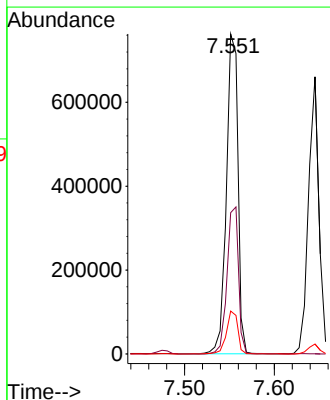
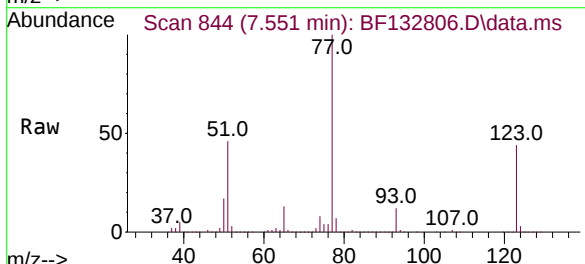
Manual Integrations
APPROVED

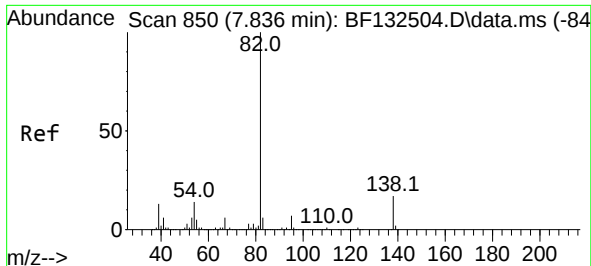
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#24
Nitrobenzene
Concen: 36.128 ng
RT: 7.551 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

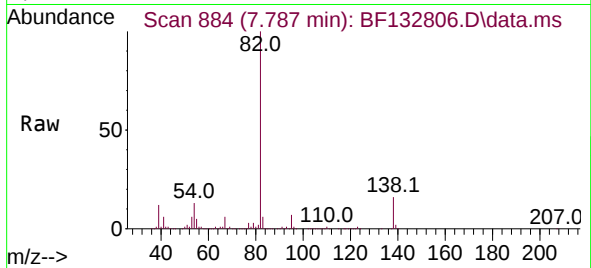
Tgt Ion: 77 Resp: 687432
Ion Ratio Lower Upper
77 100
123 44.1 35.8 53.6
65 13.4 10.9 16.3





#25
Isophorone
Concen: 38.031 ng
RT: 7.787 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

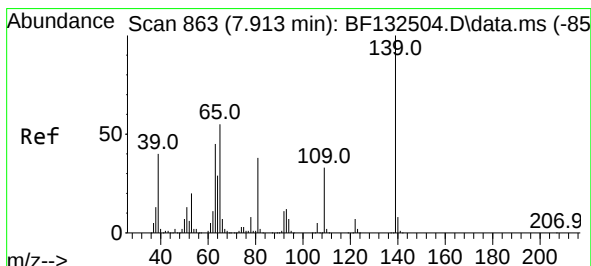
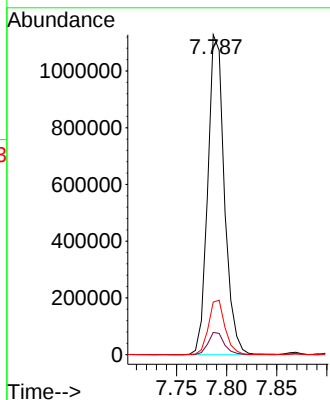
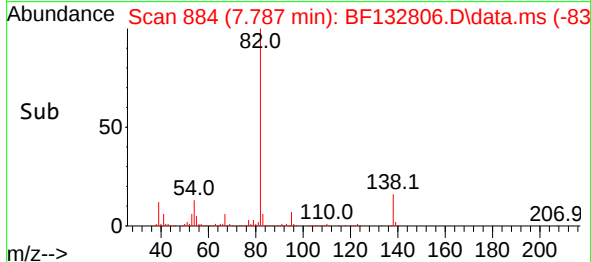
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion: 82 Resp: 129721
Ion Ratio Lower Upper
82 100
95 6.9 5.7 8.5
138 16.4 13.3 19.9

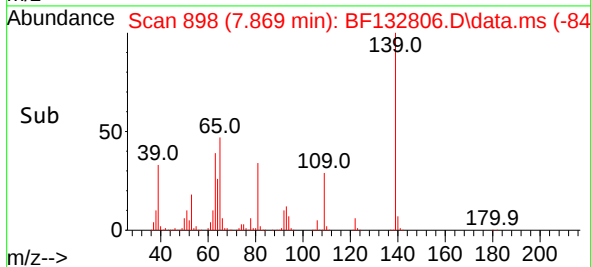
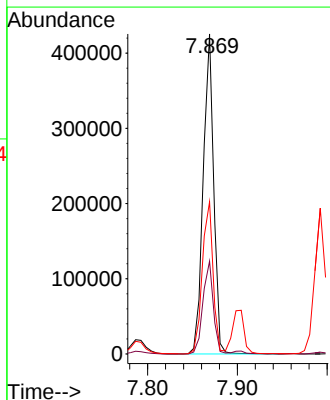
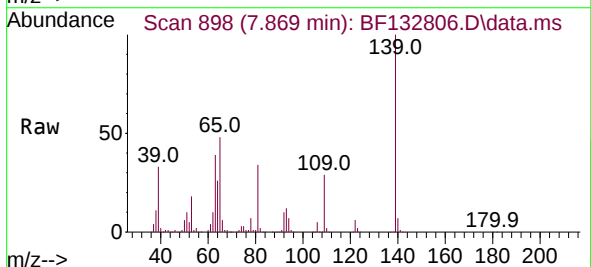
Manual Integrations
APPROVED

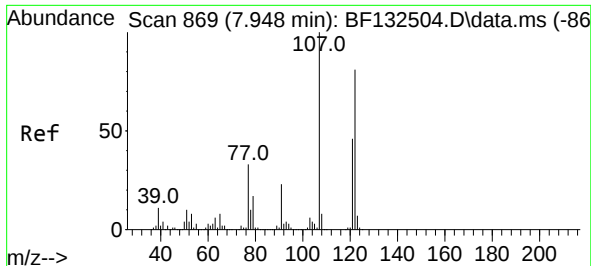
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#26
2-Nitrophenol
Concen: 41.195 ng
RT: 7.869 min Scan# 898
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

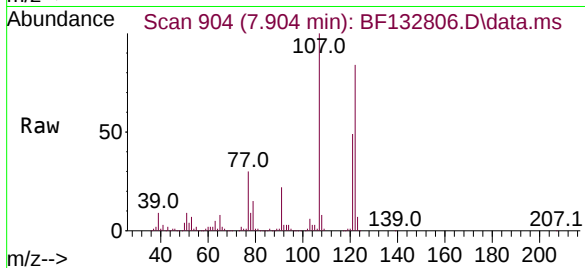
Tgt Ion:139 Resp: 345841
Ion Ratio Lower Upper
139 100
109 29.0 26.2 39.2
65 47.5 43.8 65.8





#27
2,4-Dimethylphenol
Concen: 39.895 ng
RT: 7.904 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

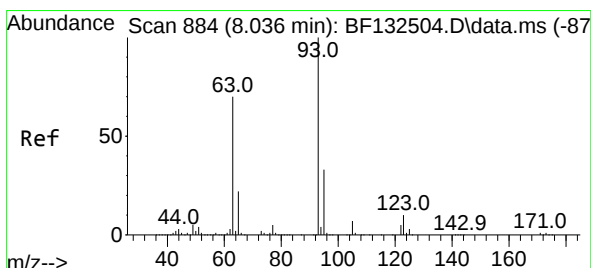
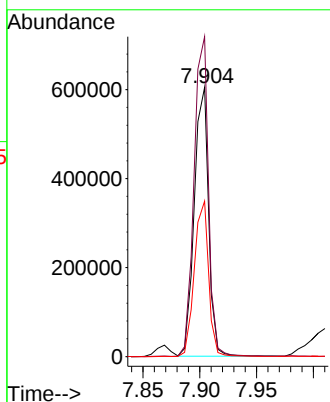
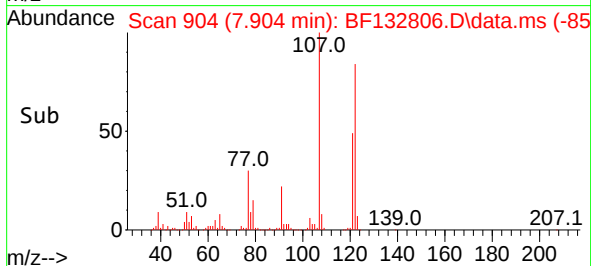
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:122 Resp: 528613
Ion Ratio Lower Upper
122 100
107 118.9 98.7 148.1
121 57.8 45.8 68.6

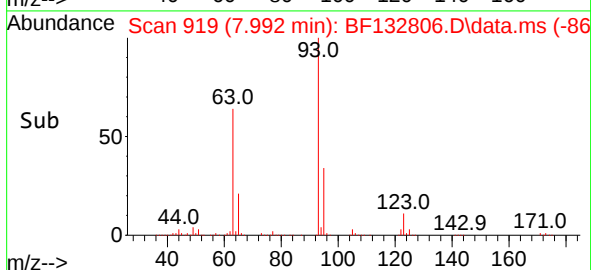
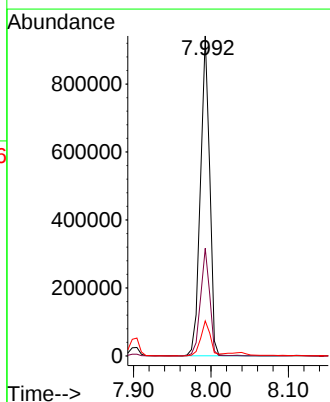
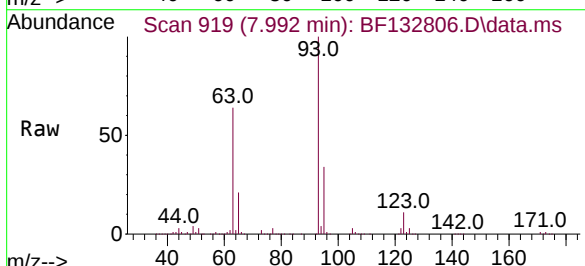
Manual Integrations
APPROVED

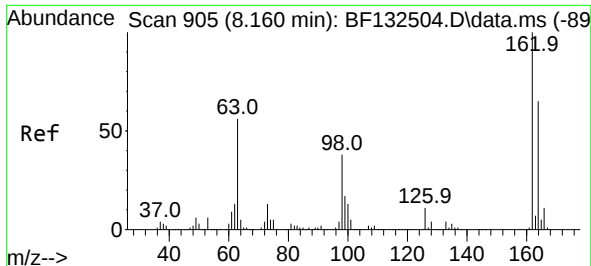
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#28
bis(2-Chloroethoxy)methane
Concen: 38.988 ng
RT: 7.992 min Scan# 919
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

Tgt Ion: 93 Resp: 777967
Ion Ratio Lower Upper
93 100
95 33.6 26.3 39.5
123 10.9 8.3 12.5





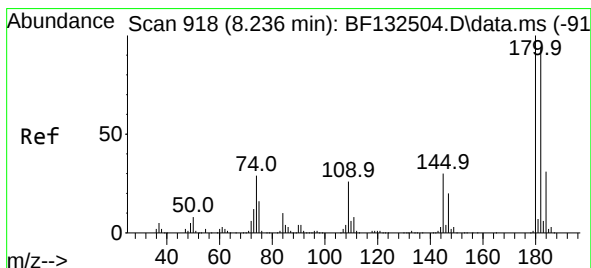
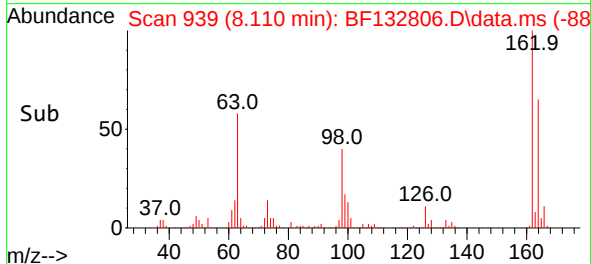
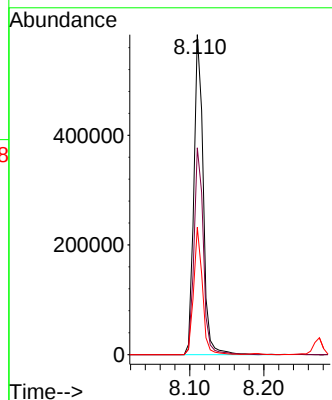
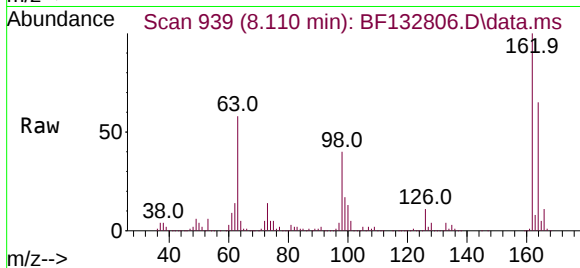
#29
2,4-Dichlorophenol
Concen: 38.918 ng
RT: 8.110 min Scan# 911
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion:162 Resp: 512952
Ion Ratio Lower Upper
162 100
164 64.6 45.3 85.3
98 39.8 17.9 57.9

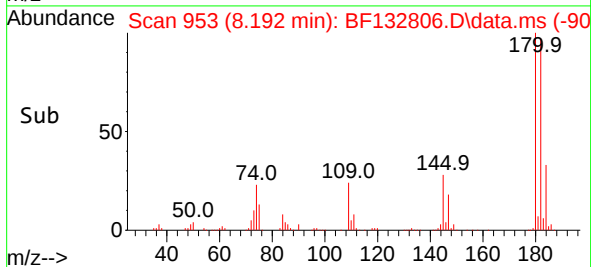
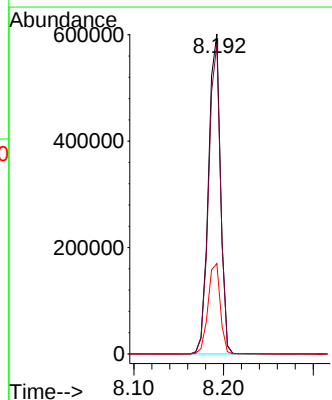
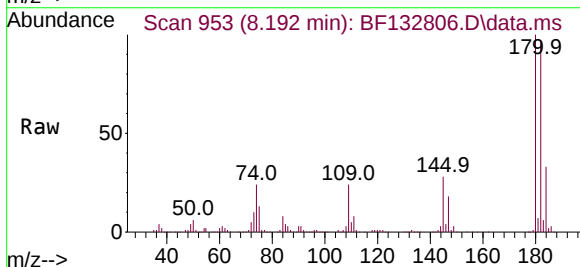
Manual Integrations
APPROVED

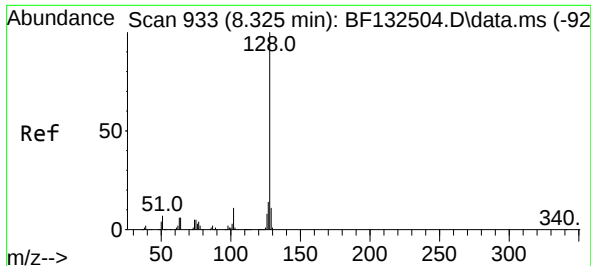
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#30
1,2,4-Trichlorobenzene
Concen: 38.968 ng
RT: 8.192 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

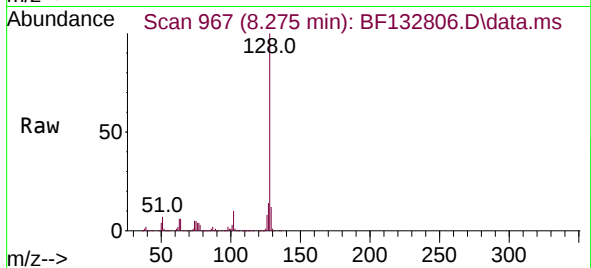
Tgt Ion:180 Resp: 557713
Ion Ratio Lower Upper
180 100
182 96.8 75.1 112.7
145 28.2 23.8 35.6





#31
Naphthalene
Concen: 37.580 ng
RT: 8.275 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

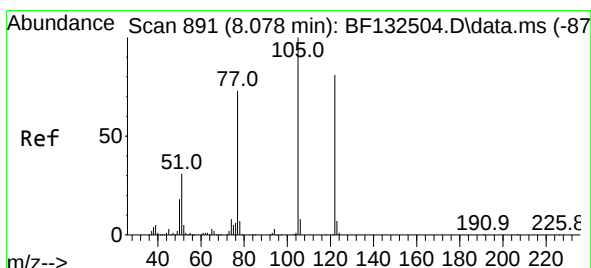
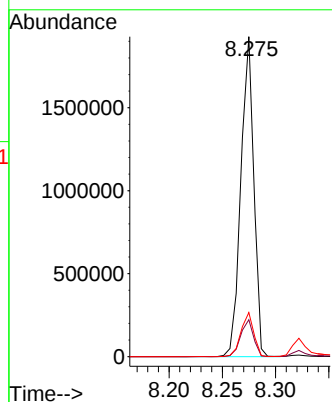
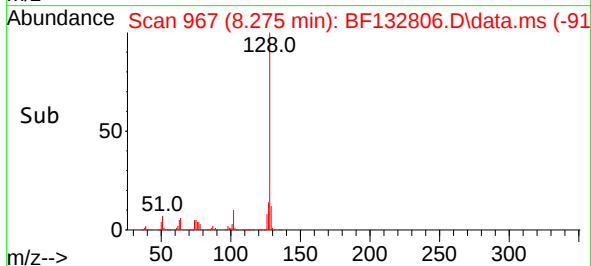
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:128 Resp: 1623906
Ion Ratio Lower Upper
128 100
129 11.5 9.1 13.7
127 13.8 11.0 16.6

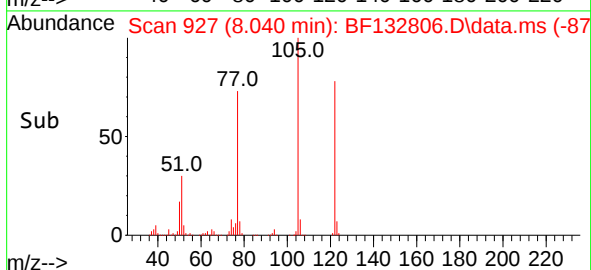
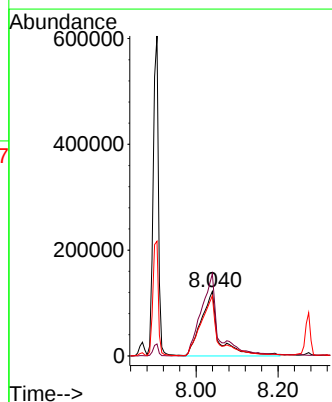
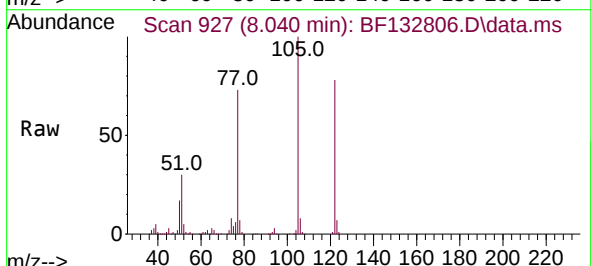
Manual Integrations
APPROVED

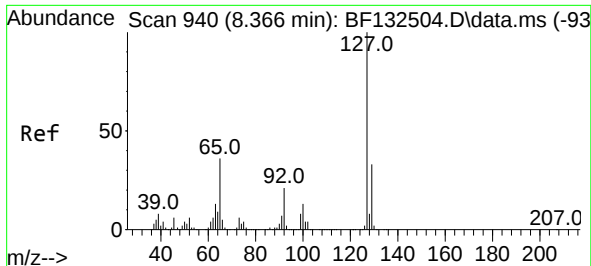
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#32
Benzoic acid
Concen: 36.574 ng m
RT: 8.040 min Scan# 927
Delta R.T. 0.006 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

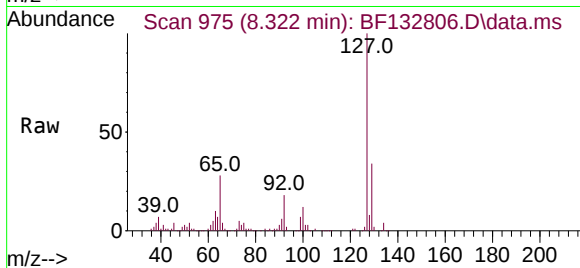
Tgt Ion:122 Resp: 371517
Ion Ratio Lower Upper
122 100
105 127.5 102.6 142.6
77 93.3 70.2 110.2





#33
4-Chloroaniline
Concen: 6.751 ng
RT: 8.322 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

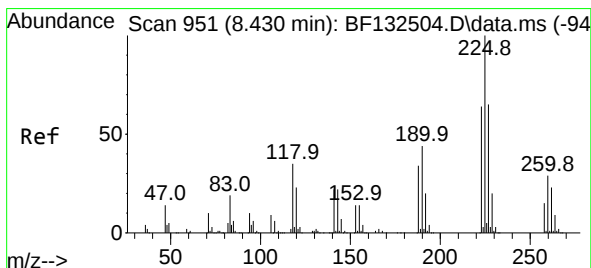
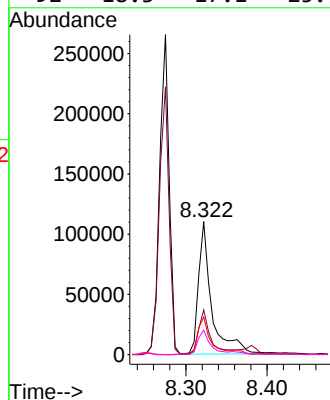
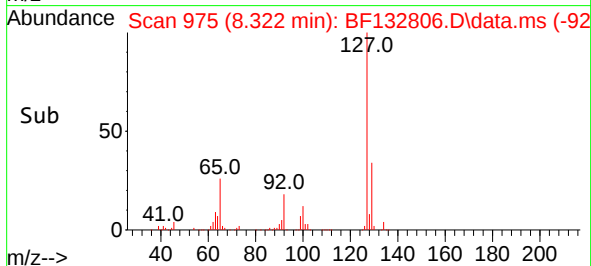
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:127 Resp: 125004
Ion Ratio Lower Upper
127 100
129 33.6 26.4 39.6
65 28.2 28.8 43.2
92 18.3 17.1 25.7

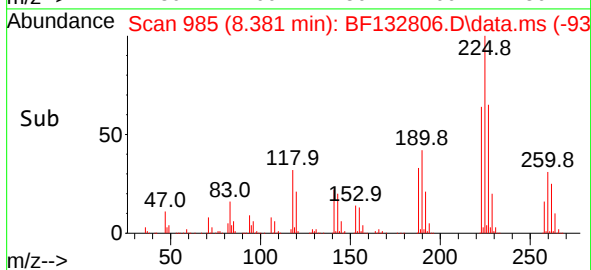
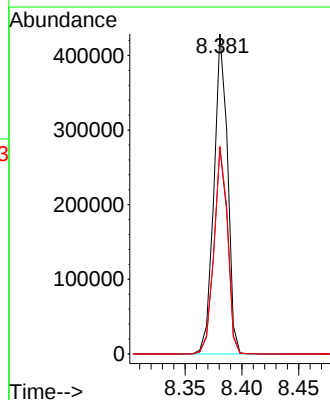
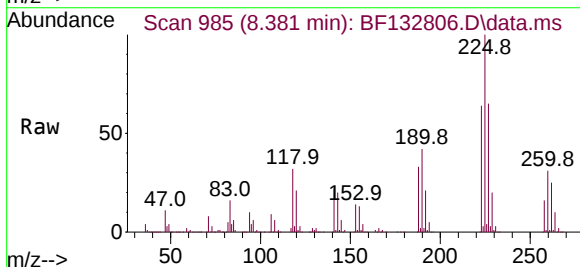
Manual Integrations
APPROVED

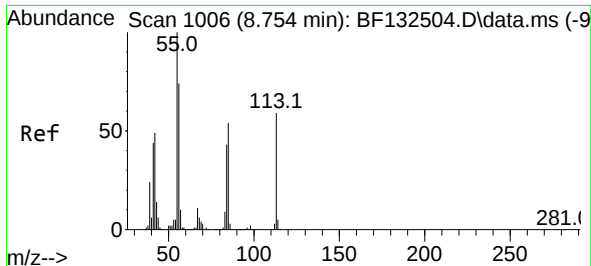
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#34
Hexachlorobutadiene
Concen: 39.324 ng
RT: 8.381 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

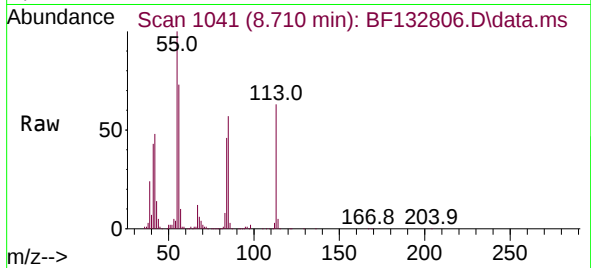
Tgt Ion:225 Resp: 357644
Ion Ratio Lower Upper
225 100
223 64.3 51.0 76.4
227 64.8 51.7 77.5





#35
Caprolactam
Concen: 41.744 ng m
RT: 8.710 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

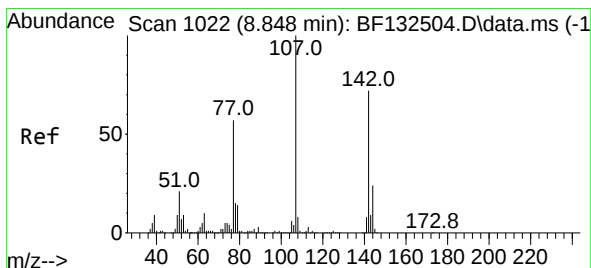
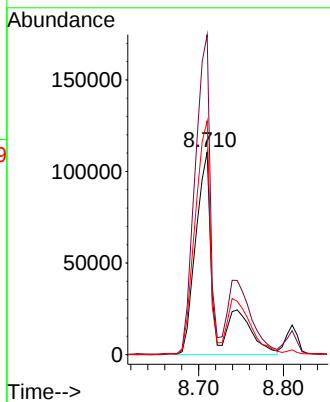
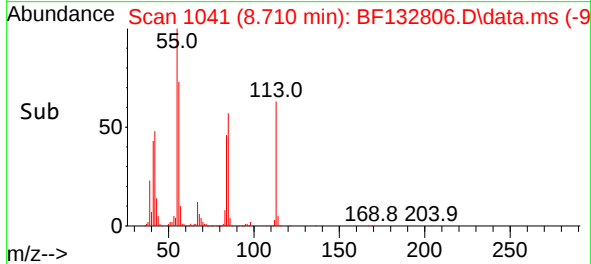
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:113 Resp: 181390
Ion Ratio Lower Upper
113 100
55 157.9 149.4 189.4
56 115.4 105.0 145.0

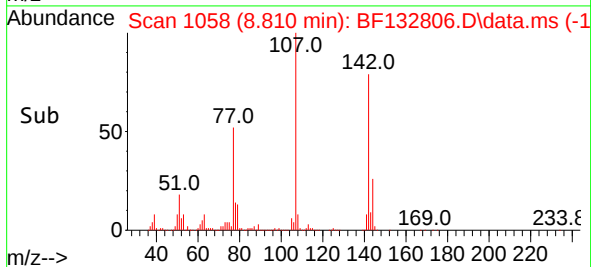
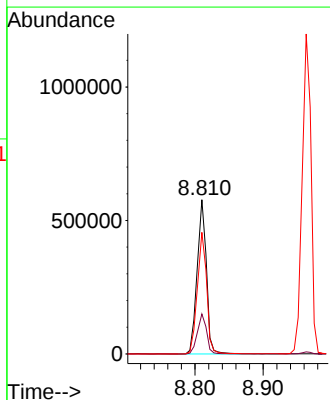
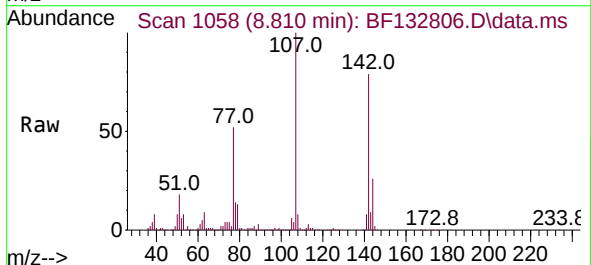
Manual Integrations
APPROVED

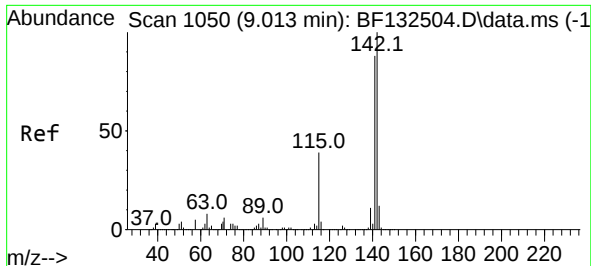
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#36
4-Chloro-3-methylphenol
Concen: 37.862 ng
RT: 8.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

Tgt Ion:107 Resp: 548053
Ion Ratio Lower Upper
107 100
144 25.8 18.9 28.3
142 78.8 57.9 86.9





#37

2-Methylnaphthalene

Concen: 36.732 ng

RT: 8.963 min Scan# 1084

Delta R.T. 0.000 min

Lab File: BF132806.D

Acq: 15 Mar 2023 16:45

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

Tgt Ion:142 Resp: 1081723

Ion Ratio Lower Upper

142 100

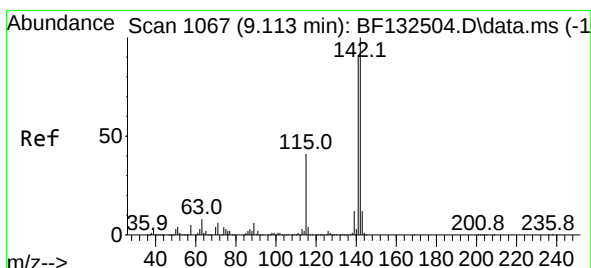
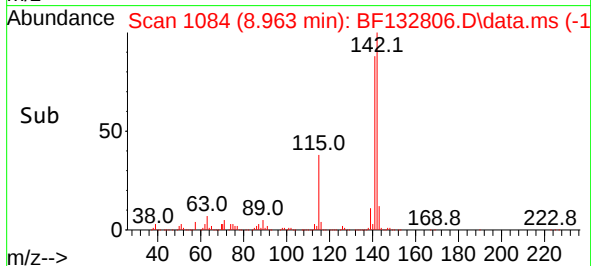
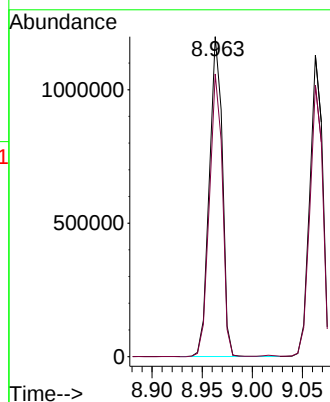
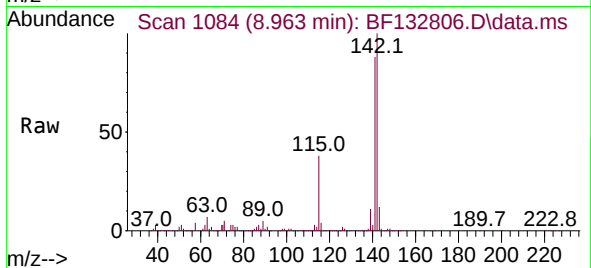
141 88.3 70.2 105.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/16/2023

Supervised By :Jagrut Upadhyay 03/16/2023



#38

1-Methylnaphthalene

Concen: 36.561 ng

RT: 9.063 min Scan# 1101

Delta R.T. 0.000 min

Lab File: BF132806.D

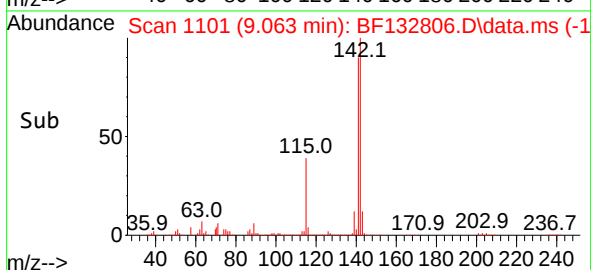
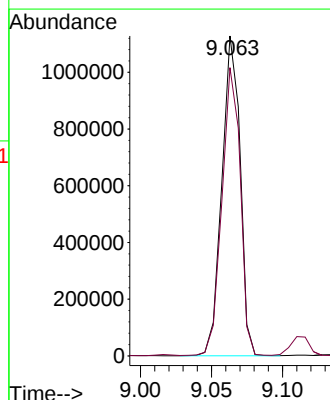
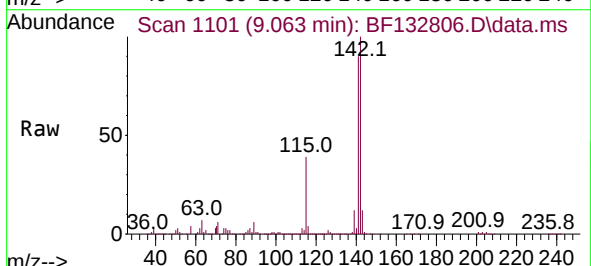
Acq: 15 Mar 2023 16:45

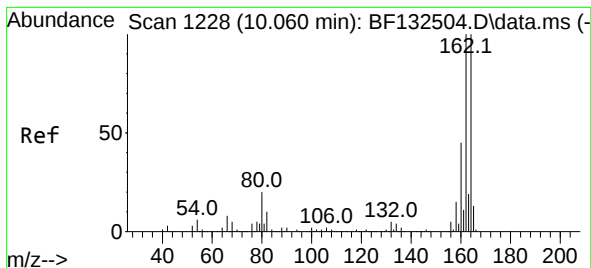
Tgt Ion:142 Resp: 1006208

Ion Ratio Lower Upper

142 100

141 90.1 73.0 109.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.010 min Scan# 1113

Delta R.T. 0.000 min

Lab File: BF132806.D

Acq: 15 Mar 2023 16:45

Instrument :

BNA_F

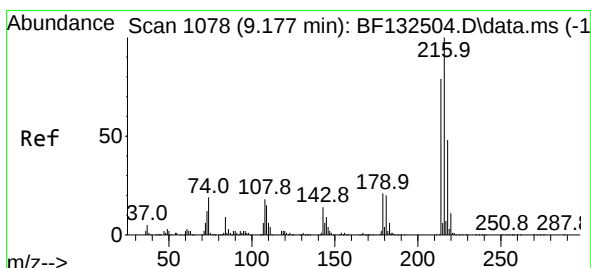
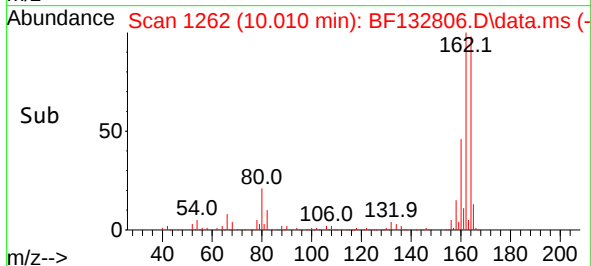
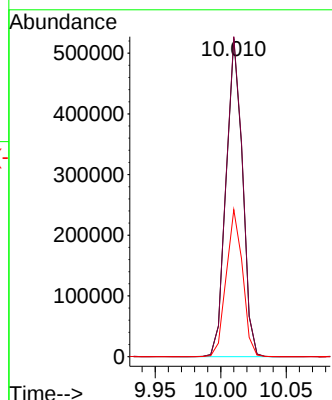
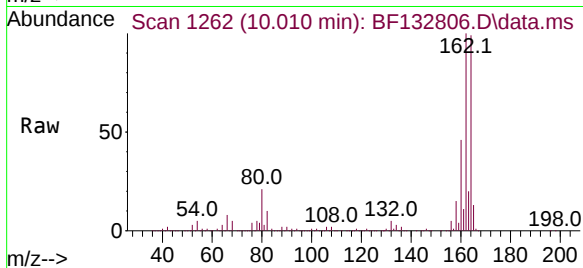
ClientSampleId :

HILLBOR-DRUMS-0314

Tgt Ion:164 Resp: 456287
 Ion Ratio Lower Upper
 164 100
 162 100.6 79.8 119.8
 160 46.2 35.8 53.6

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 03/16/2023
 Supervised By :Jagrut Upadhyay 03/16/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.635 ng

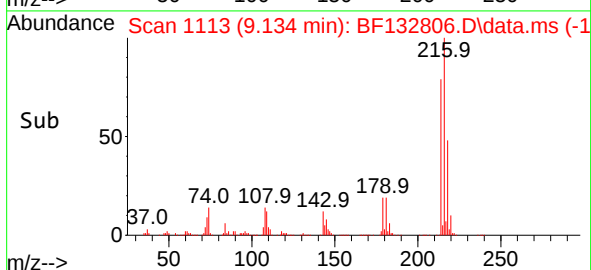
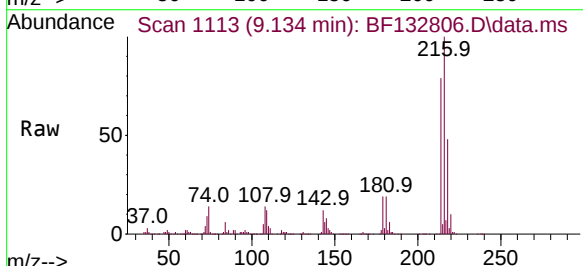
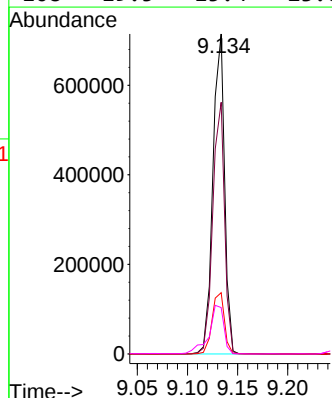
RT: 9.134 min Scan# 1113

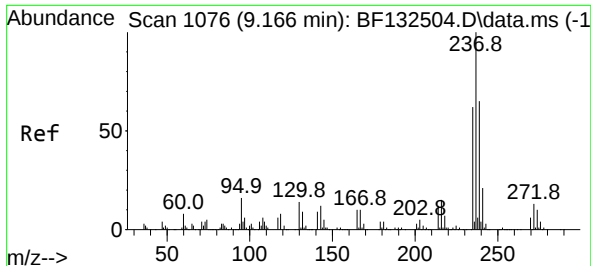
Delta R.T. 0.000 min

Lab File: BF132806.D

Acq: 15 Mar 2023 16:45

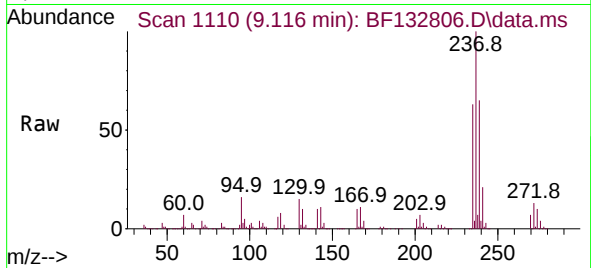
Tgt Ion:216 Resp: 576774
 Ion Ratio Lower Upper
 216 100
 214 79.3 63.0 94.6
 179 20.1 16.6 24.8
 108 19.5 15.4 23.0





#41
Hexachlorocyclopentadiene
Concen: 69.754 ng
RT: 9.116 min Scan# 1110
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

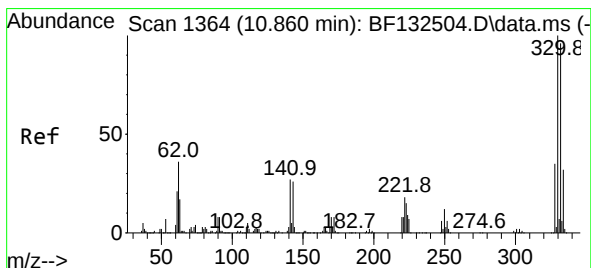
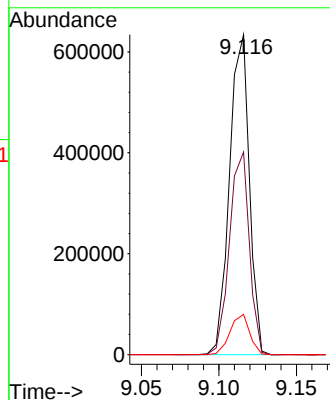
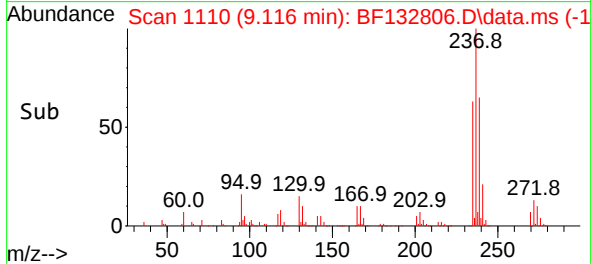
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



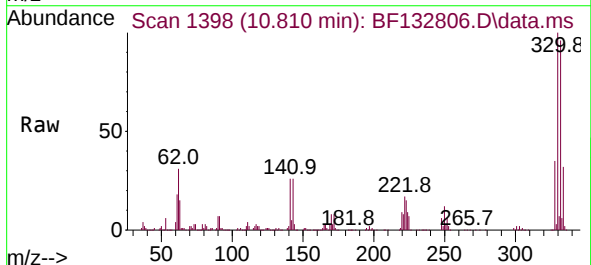
Tgt Ion: 237 Resp: 564809
Ion Ratio Lower Upper
237 100
235 63.3 42.4 82.4
272 12.6 0.0 32.7

Manual Integrations
APPROVED

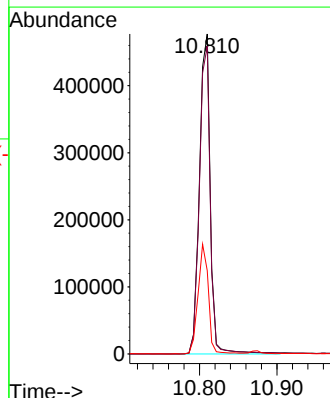
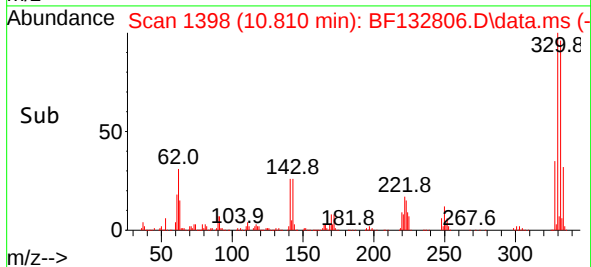
Reviewed By : Christian Giraldo 03/16/2023
Supervised By : Jagrut Upadhyay 03/16/2023

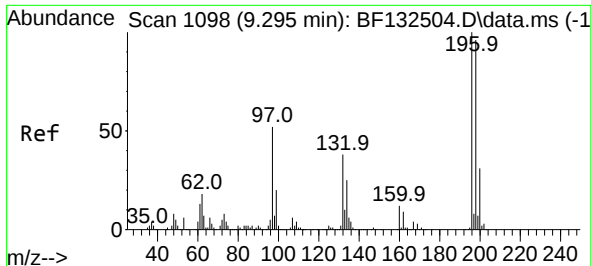


#42
2,4,6-Tribromophenol
Concen: 93.507 ng
RT: 10.810 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45



Tgt Ion: 330 Resp: 460775
Ion Ratio Lower Upper
330 100
332 97.3 76.2 114.4
141 32.9 28.4 42.6





#43

2,4,6-Trichlorophenol

Concen: 38.036 ng

RT: 9.245 min Scan# 1100

Delta R.T. 0.000 min

Lab File: BF132806.D

Acq: 15 Mar 2023 16:45

Instrument :

BNA_F

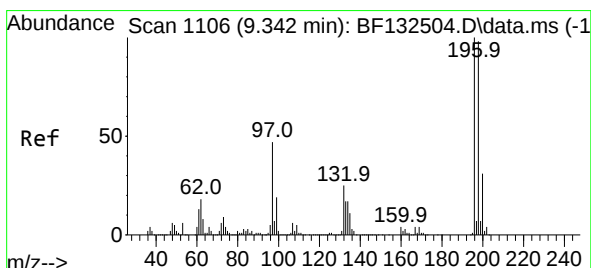
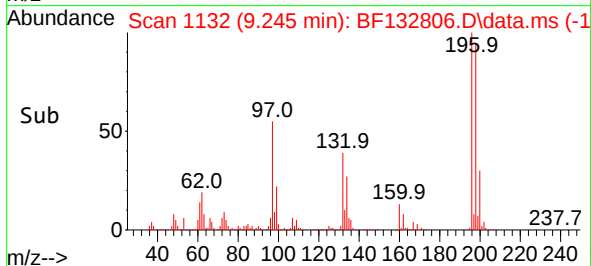
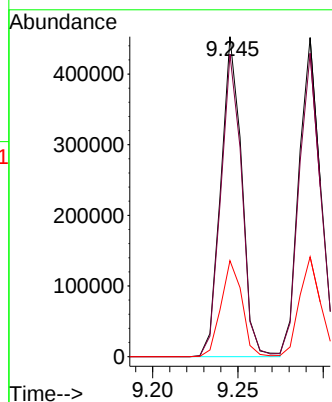
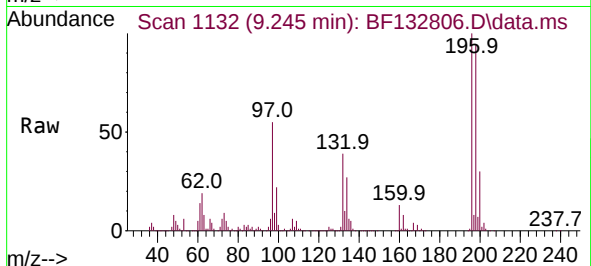
ClientSampleId :

HILLBOR-DRUMS-0314

Tgt Ion:196 Resp: 384817
 Ion Ratio Lower Upper
 196 100
 198 94.4 77.1 115.7
 200 30.0 25.0 37.4

Manual Integrations
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Reviewed By :Christian Giraldo 03/16/2023
 Supervised By :Jagrut Upadhyay 03/16/2023



#44

2,4,5-Trichlorophenol

Concen: 34.243 ng

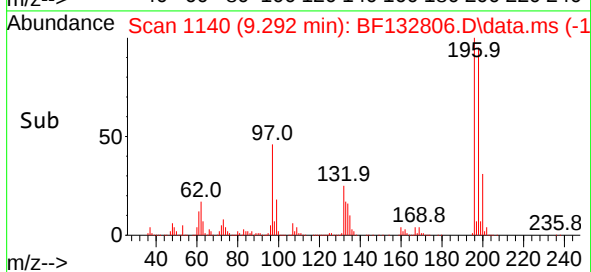
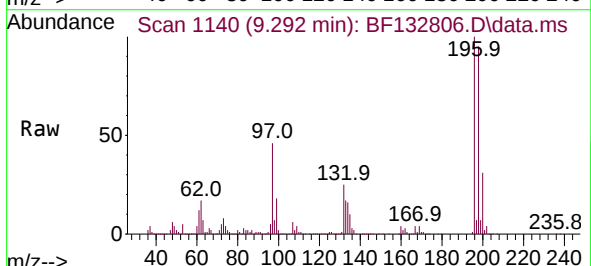
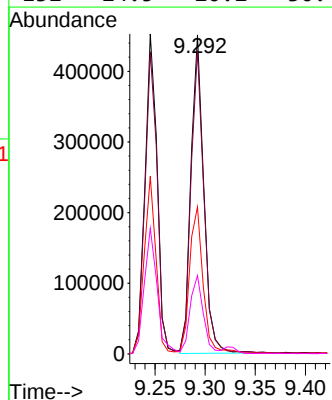
RT: 9.292 min Scan# 1140

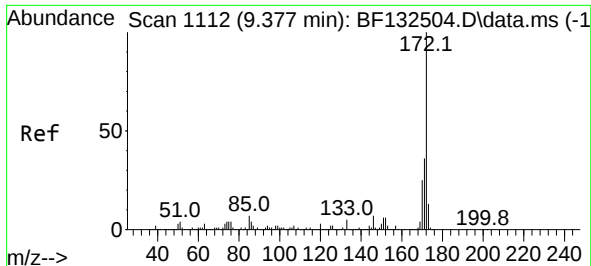
Delta R.T. 0.000 min

Lab File: BF132806.D

Acq: 15 Mar 2023 16:45

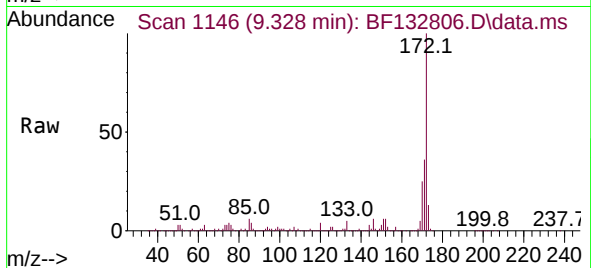
Tgt Ion:196 Resp: 404341
 Ion Ratio Lower Upper
 196 100
 198 95.1 78.3 117.5
 97 46.1 38.1 57.1
 132 24.5 20.2 30.4





#45
2-Fluorobiphenyl
Concen: 55.376 ng
RT: 9.328 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

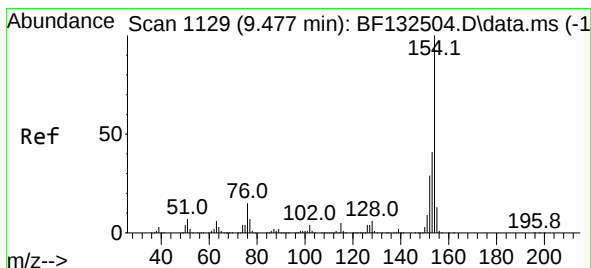
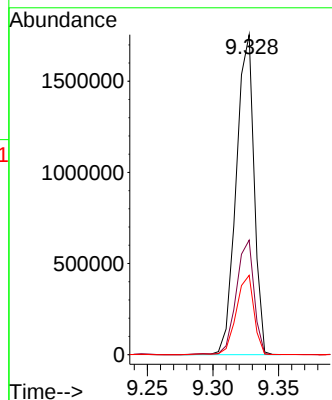
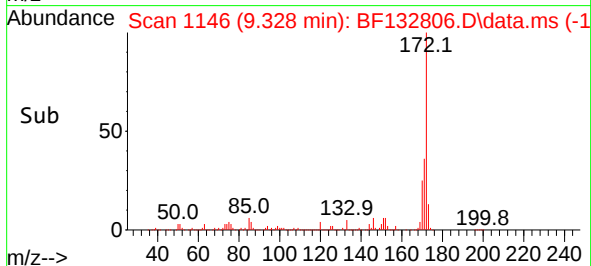
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



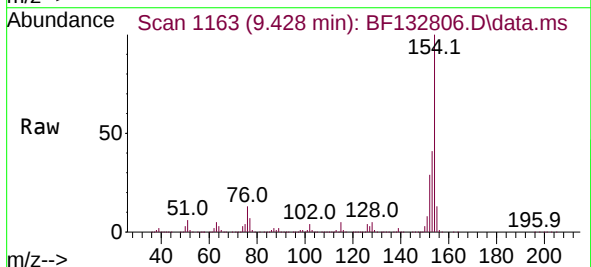
Tgt Ion:172 Resp: 1659419
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 24.8 19.7 29.5

Manual Integrations
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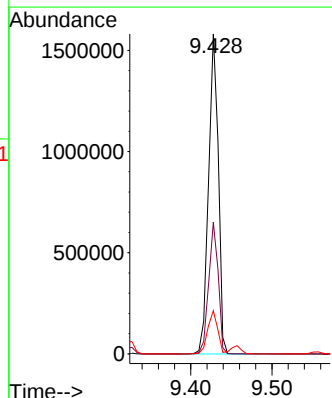
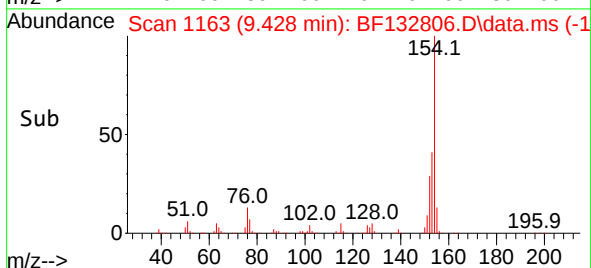
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023

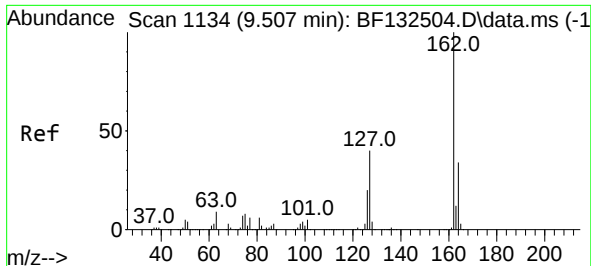


#46
1,1'-Biphenyl
Concen: 38.324 ng
RT: 9.428 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45



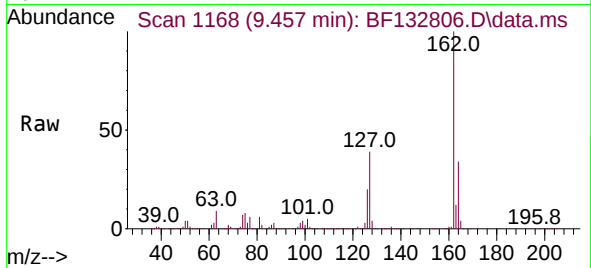
Tgt Ion:154 Resp: 1323547
Ion Ratio Lower Upper
154 100
153 41.1 20.9 60.9
76 13.5 0.0 34.7





#47
2-Chloronaphthalene
Concen: 39.523 ng
RT: 9.457 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

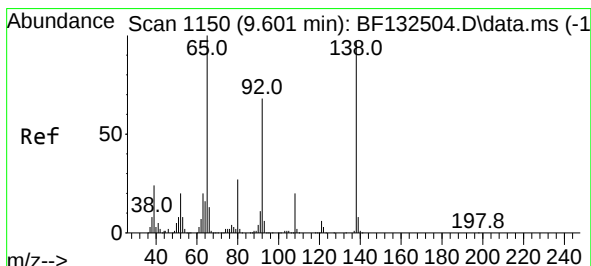
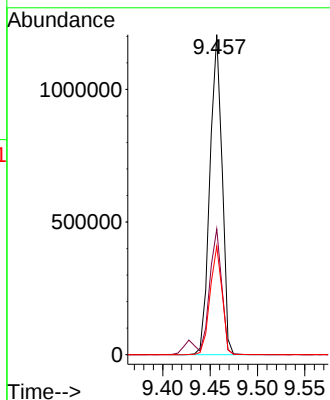
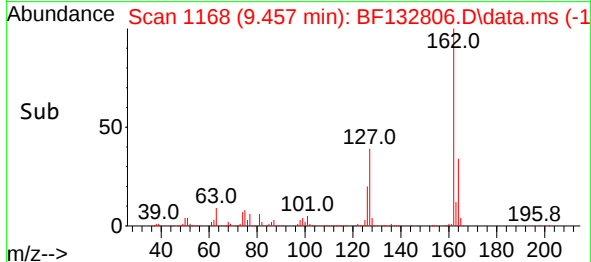
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:162 Resp: 1082193
Ion Ratio Lower Upper
162 100
127 39.3 32.3 48.5
164 33.9 26.9 40.3

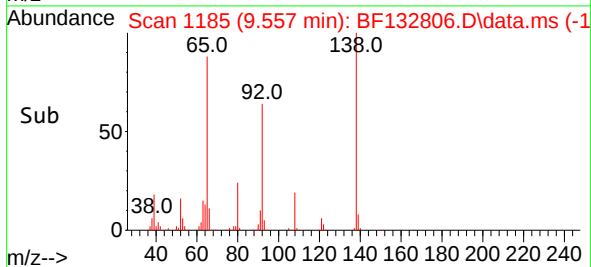
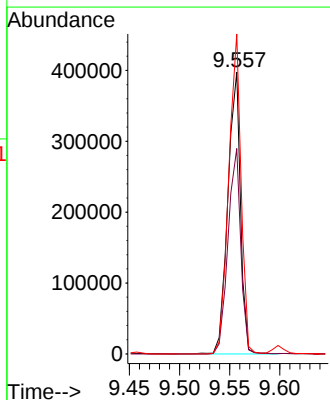
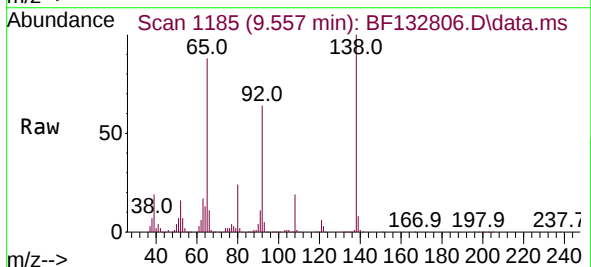
Manual Integrations
APPROVED

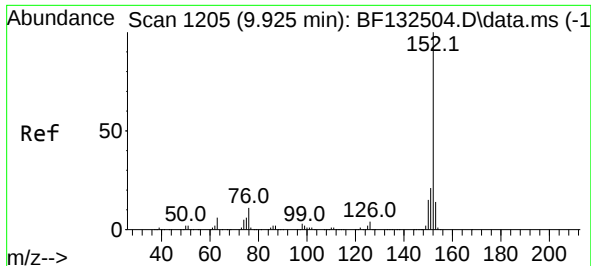
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#48
2-Nitroaniline
Concen: 34.621 ng
RT: 9.557 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

Tgt Ion: 65 Resp: 349139
Ion Ratio Lower Upper
65 100
92 72.9 54.5 81.7
138 113.6 77.2 115.8





#49

Acenaphthylene

Concen: 37.131 ng

RT: 9.875 min Scan# 1214

Delta R.T. 0.000 min

Lab File: BF132806.D

Acq: 15 Mar 2023 16:45

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

Tgt Ion:152 Resp: 1618085

Ion Ratio Lower Upper

152 100

151 21.0 16.4 24.6

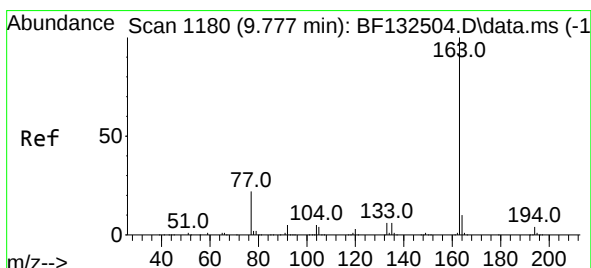
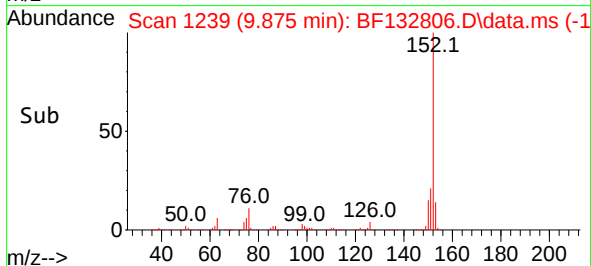
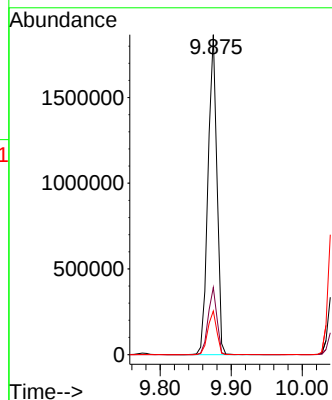
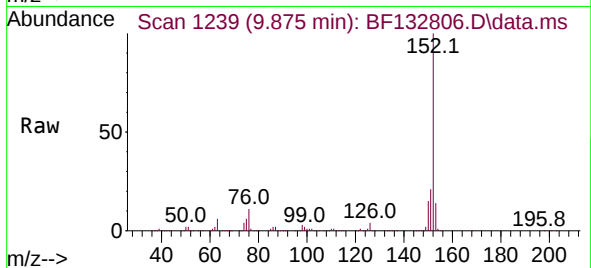
153 13.6 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/16/2023

Supervised By :Jagrut Upadhyay 03/16/2023



#50

Dimethylphthalate

Concen: 38.903 ng

RT: 9.728 min Scan# 1214

Delta R.T. 0.000 min

Lab File: BF132806.D

Acq: 15 Mar 2023 16:45

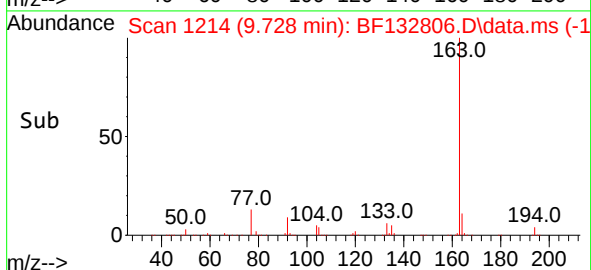
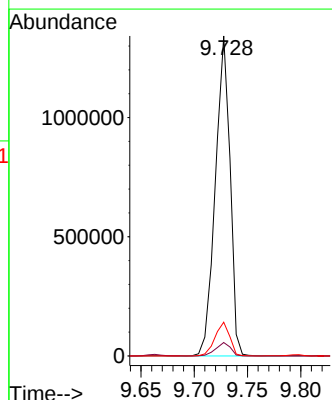
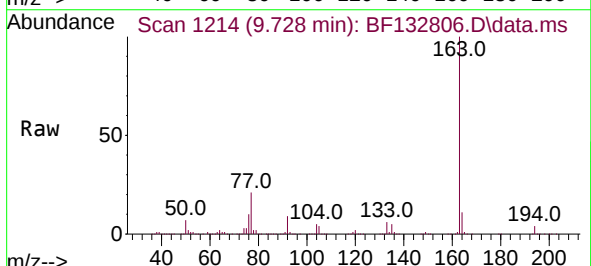
Tgt Ion:163 Resp: 1292477

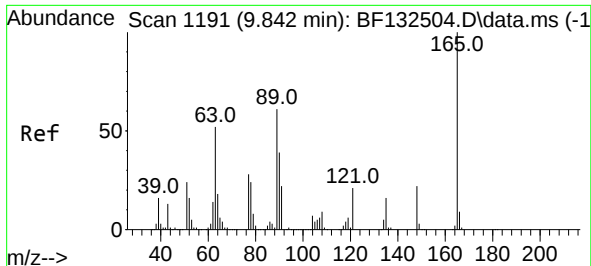
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

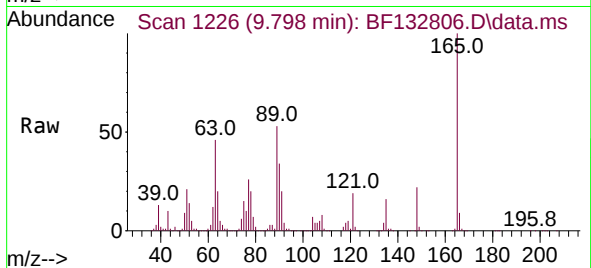
164 10.5 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 39.186 ng
RT: 9.798 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

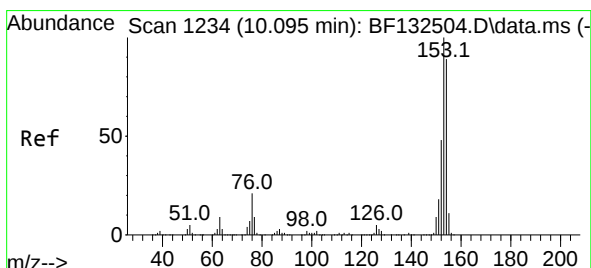
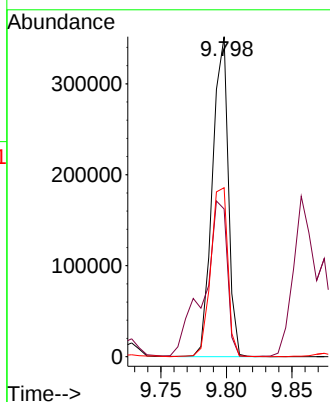
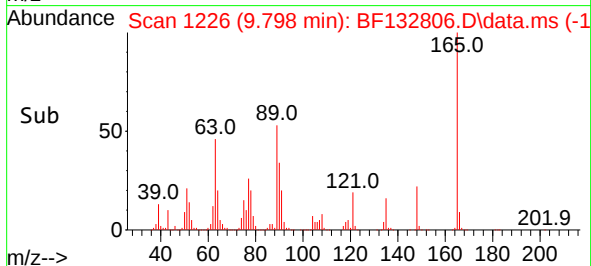
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



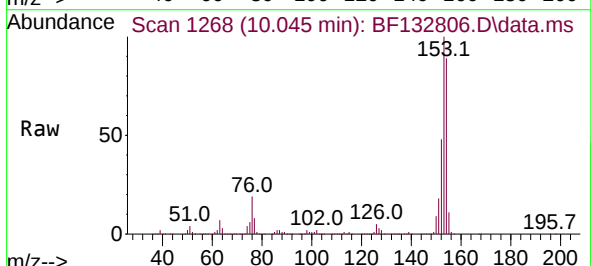
Tgt Ion:165 Resp: 296490
Ion Ratio Lower Upper
165 100
63 46.1 47.3 70.9
89 52.8 48.9 73.3

Manual Integrations
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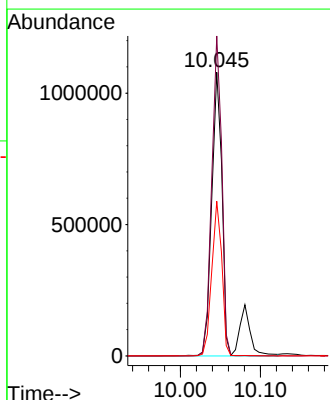
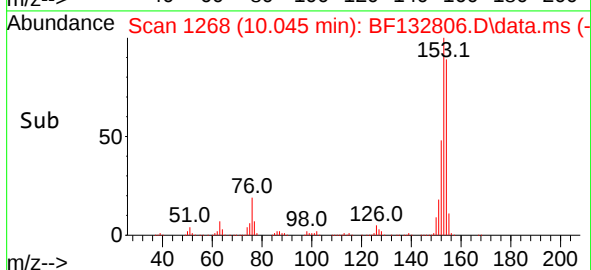
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023

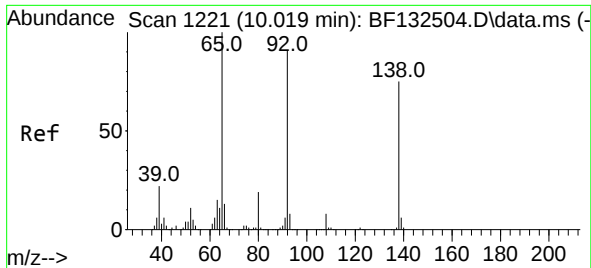


#52
Acenaphthene
Concen: 40.721 ng m
RT: 10.045 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45



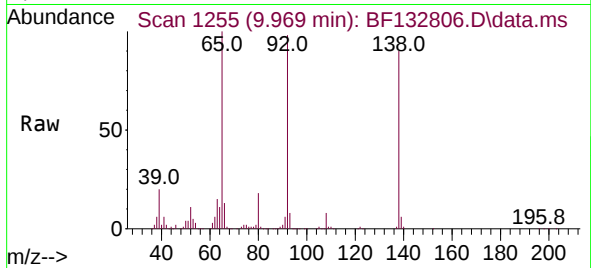
Tgt Ion:154 Resp: 1126825
Ion Ratio Lower Upper
154 100
153 112.9 89.8 134.8
152 54.5 43.3 64.9





#53
3-Nitroaniline
Concen: 17.450 ng
RT: 9.969 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

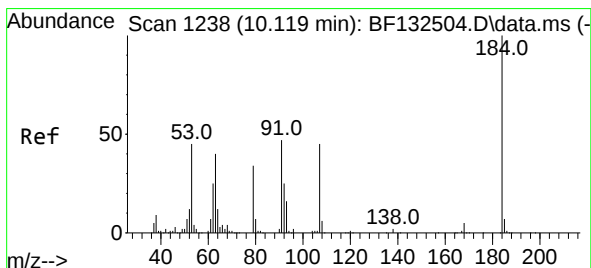
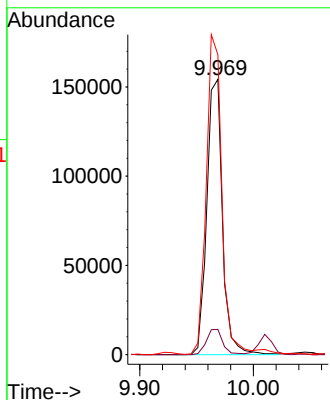
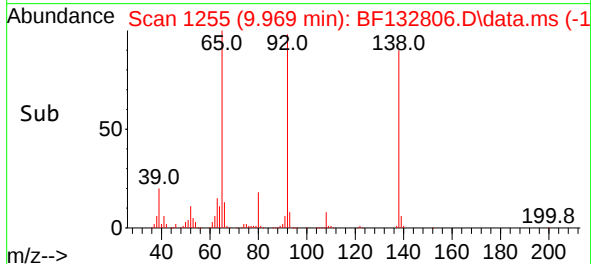
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



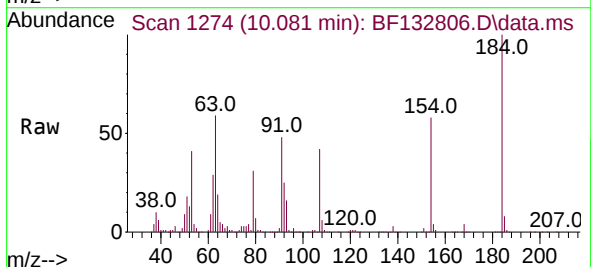
Tgt Ion:138 Resp: 147693
Ion Ratio Lower Upper
138 100
108 9.1 8.1 12.1
92 109.0 97.2 145.8

Manual Integrations
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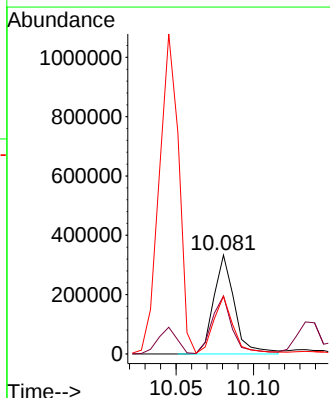
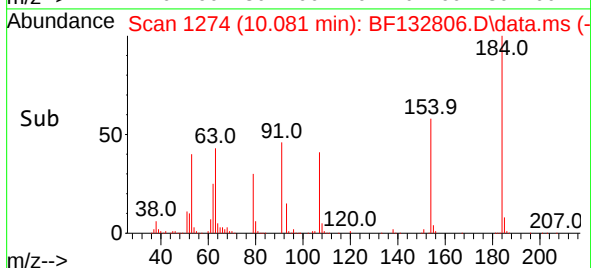
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023

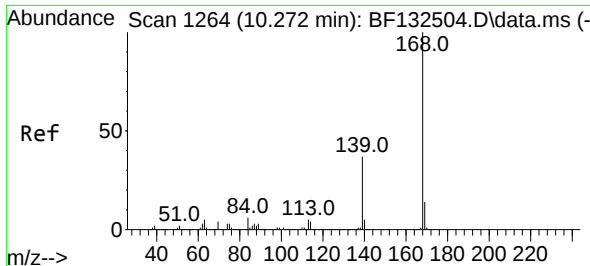


#54
2,4-Dinitrophenol
Concen: 65.783 ng
RT: 10.081 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45



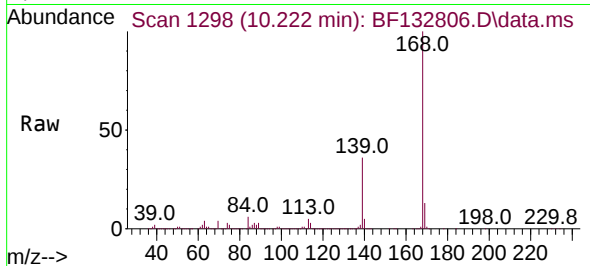
Tgt Ion:184 Resp: 312053
Ion Ratio Lower Upper
184 100
63 58.6 51.4 77.2
154 58.4 48.3 72.5





#55
Dibenzenofuran
Concen: 36.213 ng
RT: 10.222 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

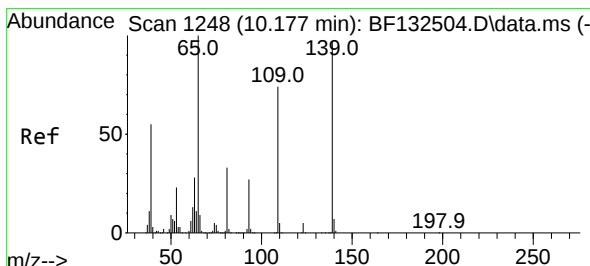
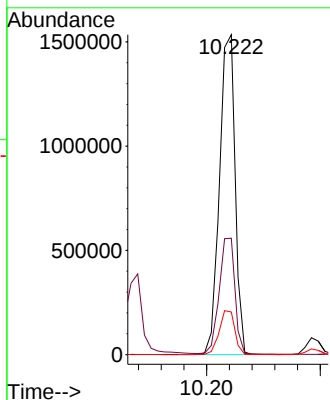
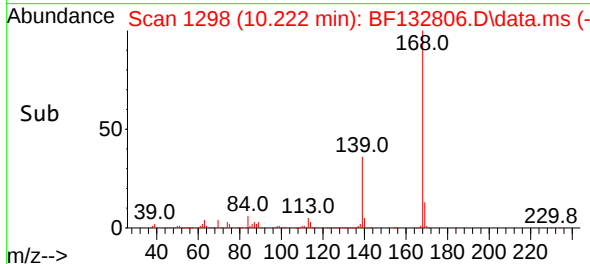
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:168 Resp: 1460863
Ion Ratio Lower Upper
168 100
139 36.4 29.8 44.6
169 13.3 10.9 16.3

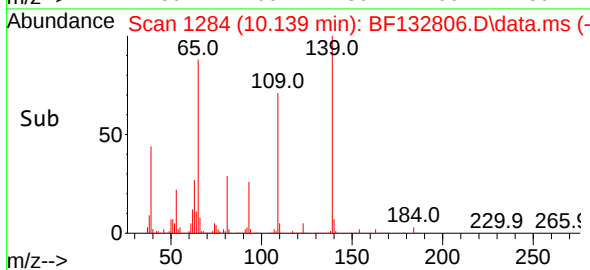
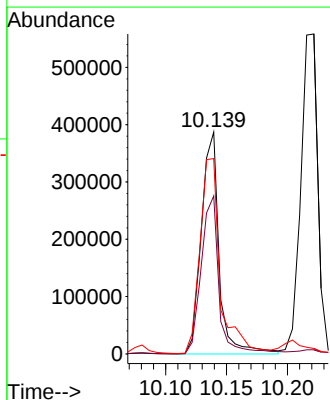
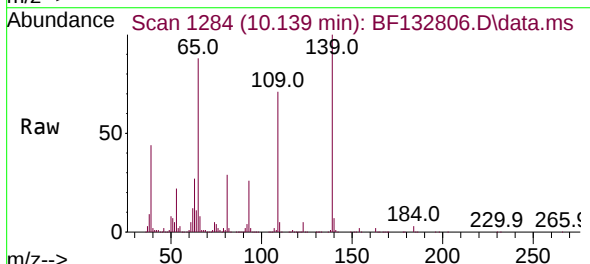
Manual Integrations
APPROVED

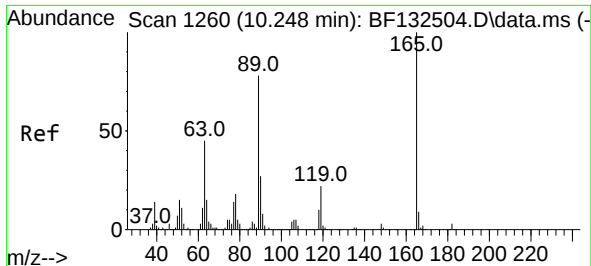
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#56
4-Nitrophenol
Concen: 62.409 ng
RT: 10.139 min Scan# 1284
Delta R.T. 0.006 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

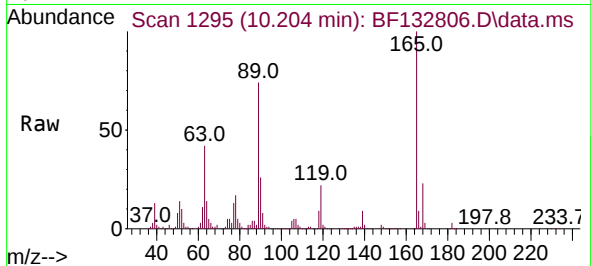
Tgt Ion:139 Resp: 393931
Ion Ratio Lower Upper
139 100
109 71.2 56.7 96.7
65 88.0 83.5 123.5





#57
2,4-Dinitrotoluene
Concen: 37.912 ng
RT: 10.204 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

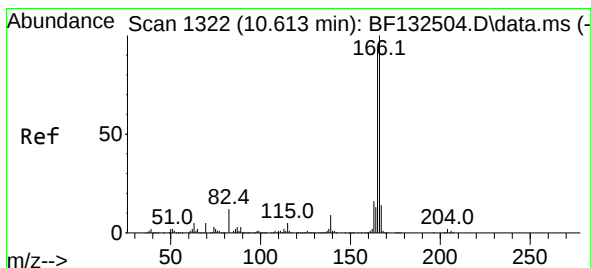
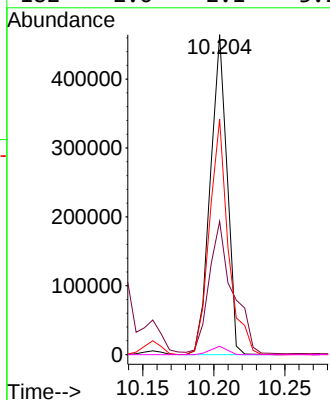
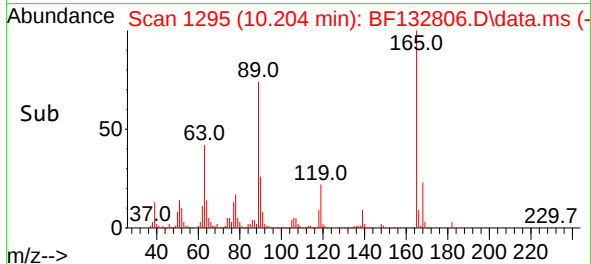
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:165 Resp: 381617
Ion Ratio Lower Upper
165 100
63 41.6 36.5 54.7
89 73.6 62.4 93.6
182 2.6 2.1 3.1

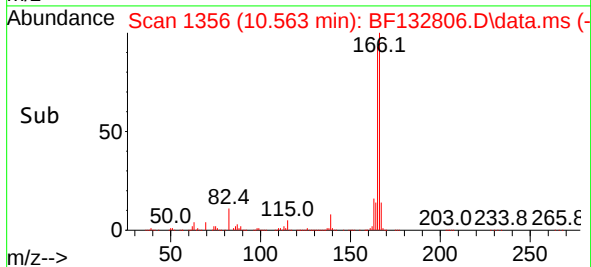
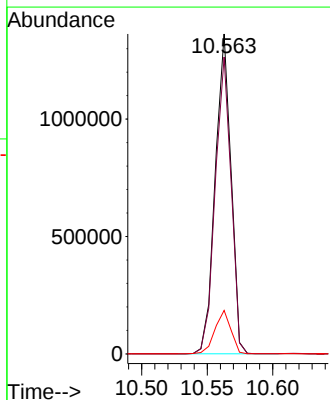
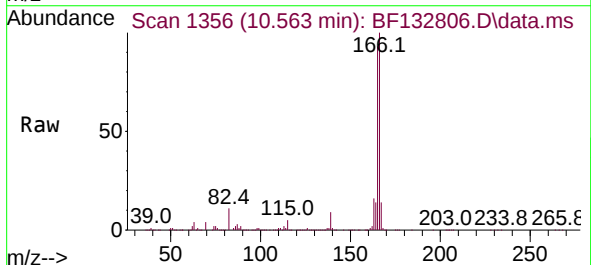
Manual Integrations
APPROVED

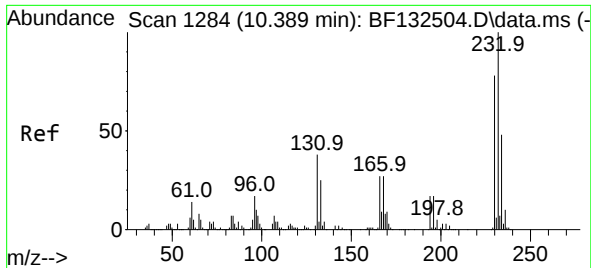
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#58
Fluorene
Concen: 37.063 ng
RT: 10.563 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

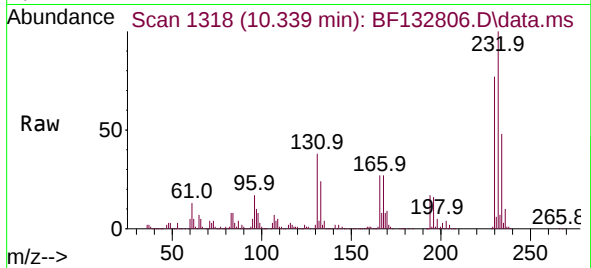
Tgt Ion:166 Resp: 1143659
Ion Ratio Lower Upper
166 100
165 92.8 74.2 111.4
167 13.6 11.1 16.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 38.928 ng
RT: 10.339 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

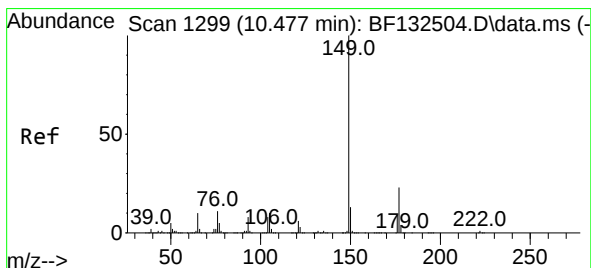
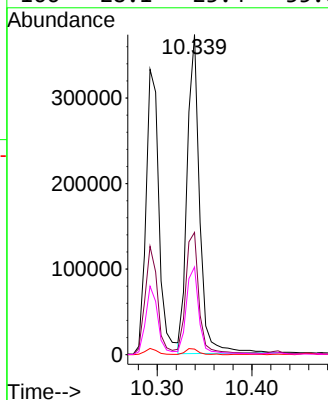
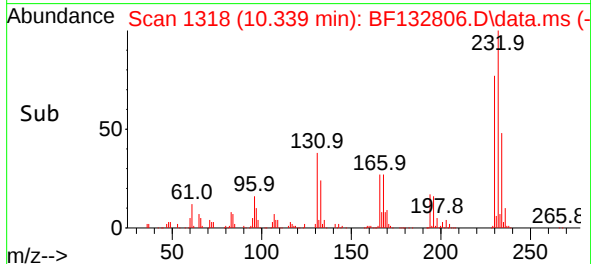
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



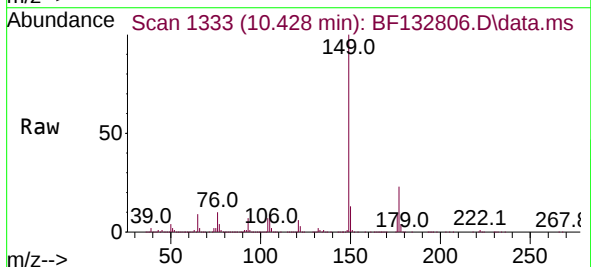
Tgt Ion:232 Resp: 341453
Ion Ratio Lower Upper
232 100
131 40.5 33.8 50.8
130 2.0 1.7 2.5
166 28.1 23.4 35.0

Manual Integrations
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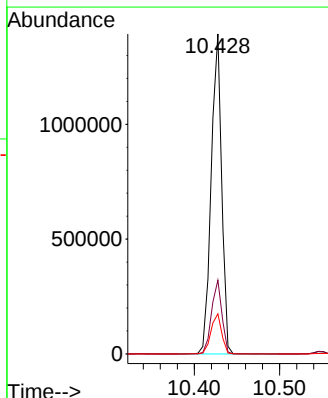
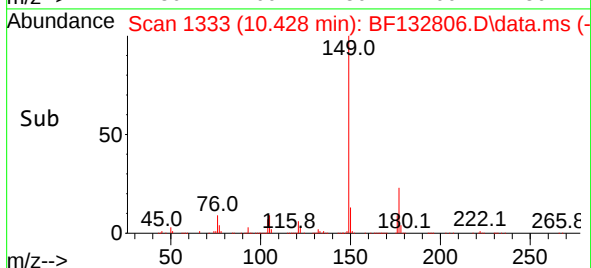
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023

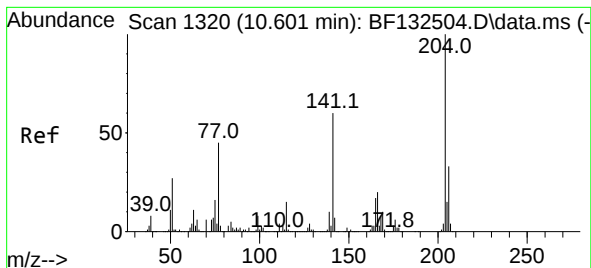


#60
Diethylphthalate
Concen: 36.558 ng
RT: 10.428 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45



Tgt Ion:149 Resp: 1186220
Ion Ratio Lower Upper
149 100
177 23.0 18.1 27.1
150 12.5 10.2 15.2





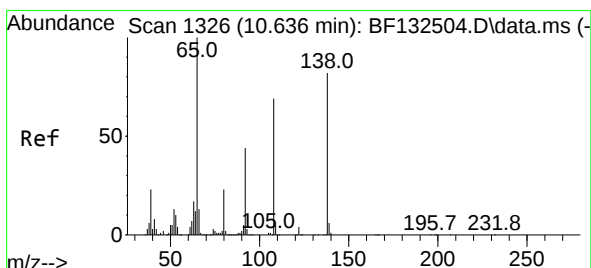
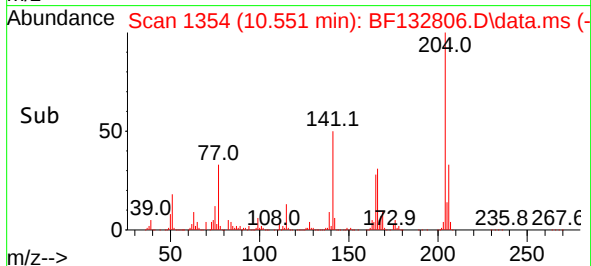
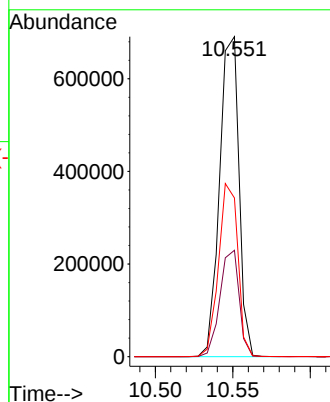
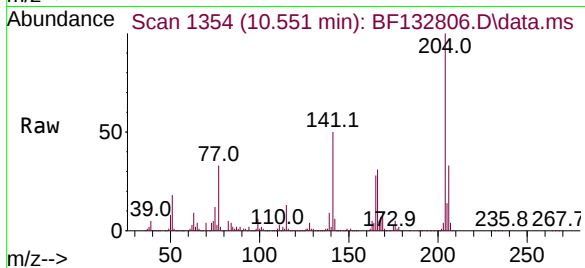
#61
4-Chlorophenyl-phenylether
Concen: 37.719 ng
RT: 10.551 min Scan# 1314
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion:204 Resp: 60378
Ion Ratio Lower Upper
204 100
206 33.2 26.3 39.5
141 49.6 47.8 71.8

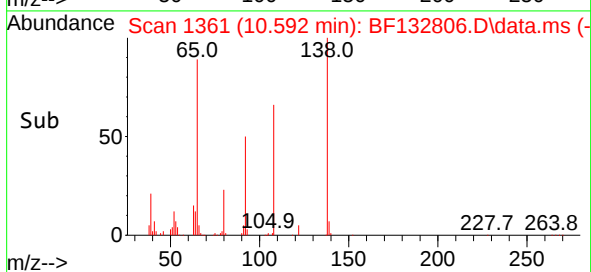
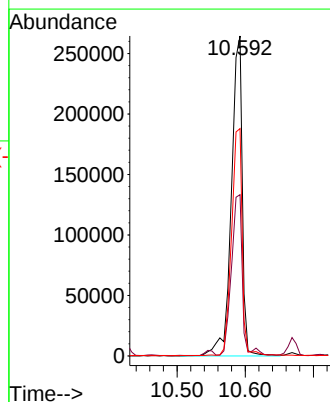
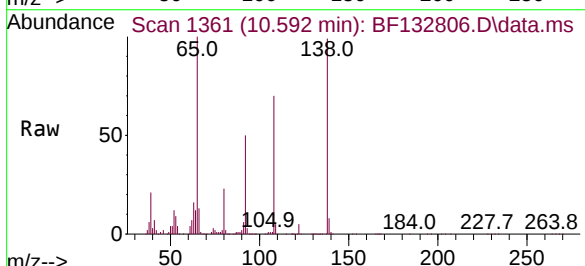
Manual Integrations
APPROVED

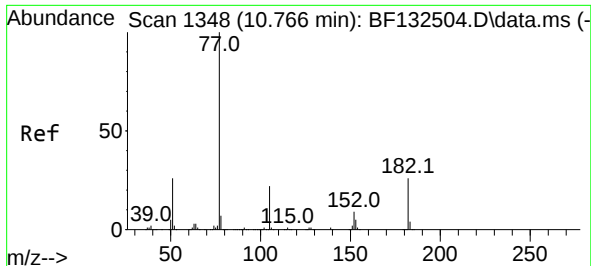
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#62
4-Nitroaniline
Concen: 35.237 ng
RT: 10.592 min Scan# 1361
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

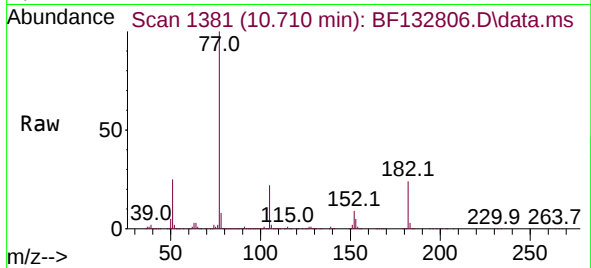
Tgt Ion:138 Resp: 292755
Ion Ratio Lower Upper
138 100
92 50.4 33.8 73.8
108 71.0 63.7 103.7





#63
Azobenzene
Concen: 37.577 ng
RT: 10.710 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

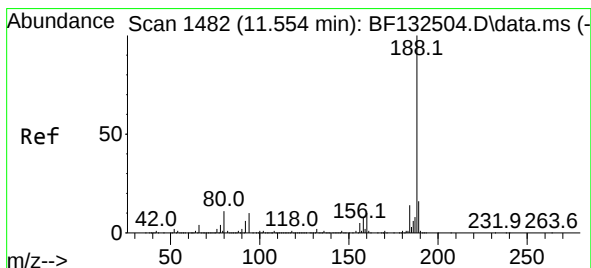
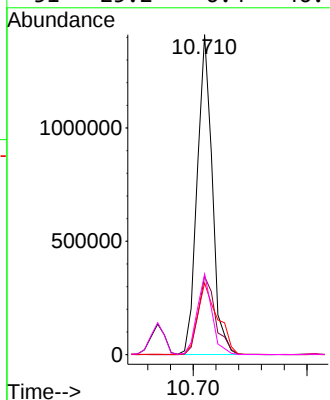
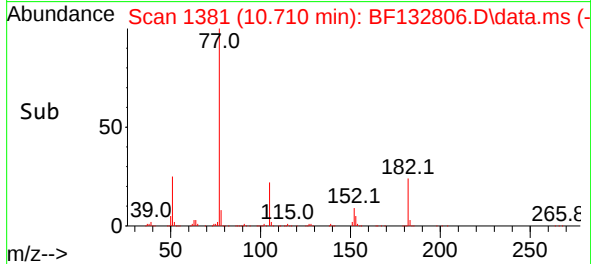


Tgt Ion: 77 Resp: 1291318

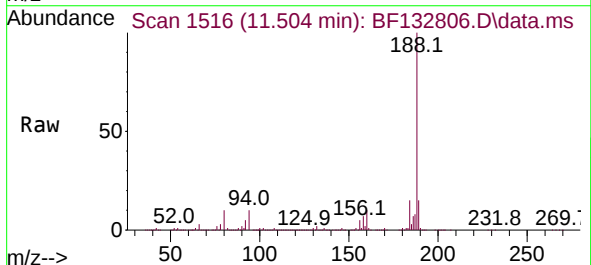
Ion	Ratio	Lower	Upper
77	100		
182	24.4	5.5	45.5
105	22.4	1.8	41.8
51	25.2	6.4	46.4

Manual Integrations
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Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023

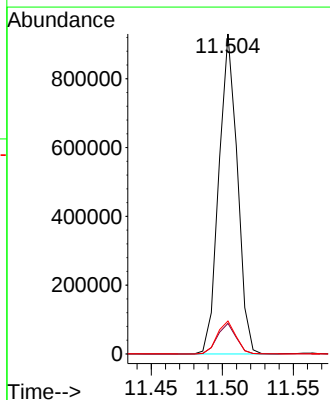
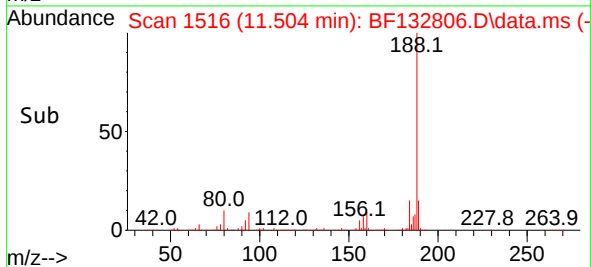


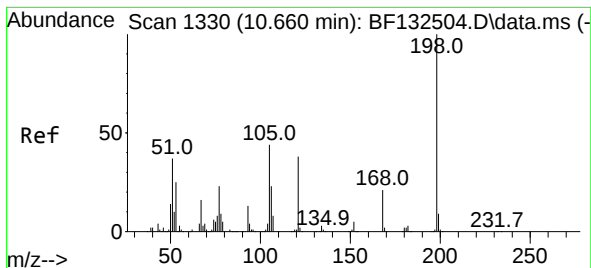
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.504 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45



Tgt Ion:188 Resp: 841461

Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.3	12.5
80	10.3	8.7	13.1





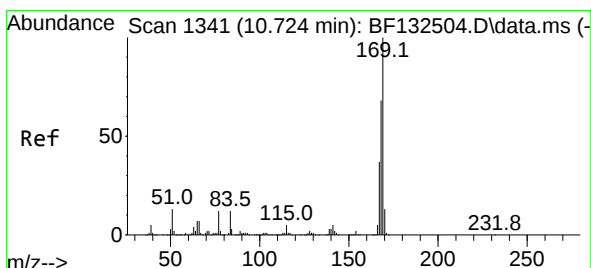
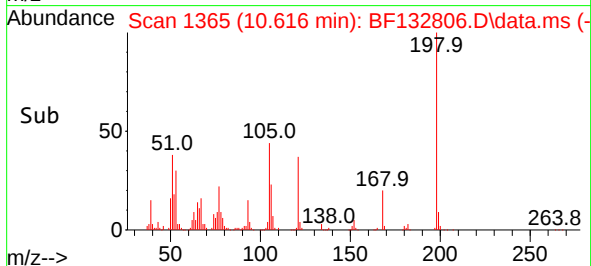
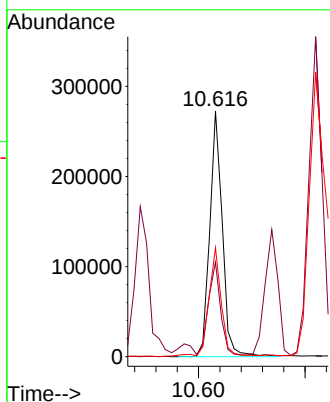
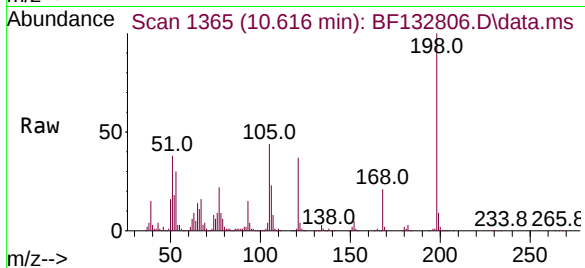
#65
4,6-Dinitro-2-methylphenol
Concen: 39.078 ng
RT: 10.616 min Scan# 1365
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion:198 Resp: 222599
Ion Ratio Lower Upper
198 100
51 38.5 20.6 60.6
105 44.3 24.3 64.3

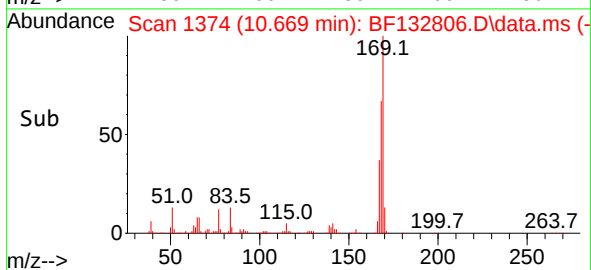
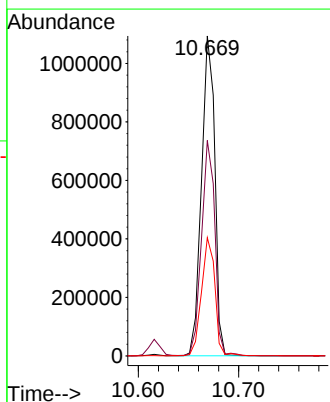
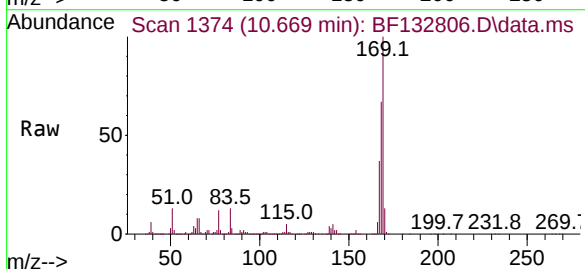
Manual Integrations
APPROVED

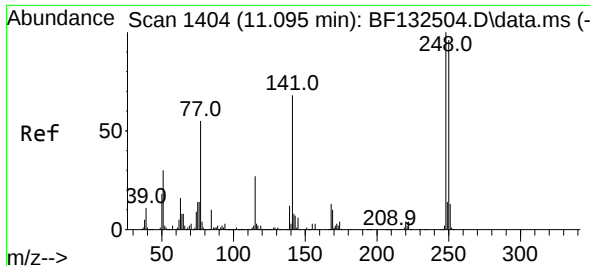
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#66
n-Nitrosodiphenylamine
Concen: 38.219 ng
RT: 10.669 min Scan# 1374
Delta R.T. -0.006 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

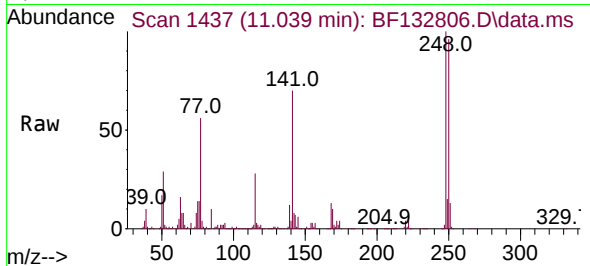
Tgt Ion:169 Resp: 1002604
Ion Ratio Lower Upper
169 100
168 67.3 54.2 81.4
167 36.9 29.6 44.4





#67
4-Bromophenyl-phenylether
Concen: 39.687 ng
RT: 11.039 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

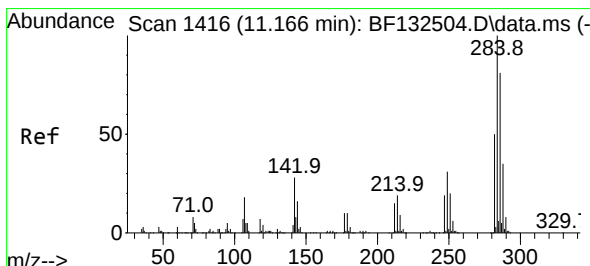
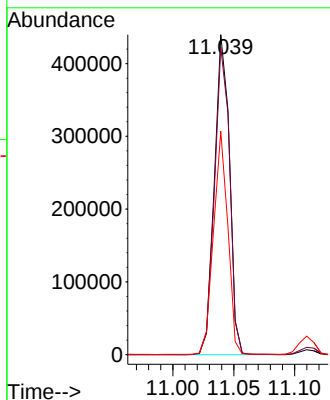
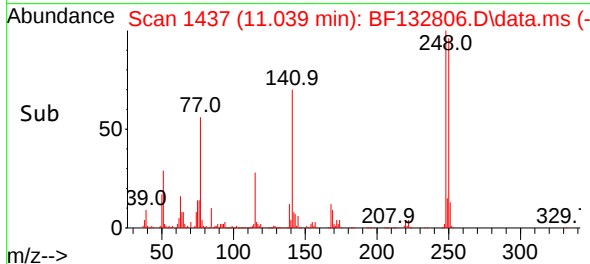
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



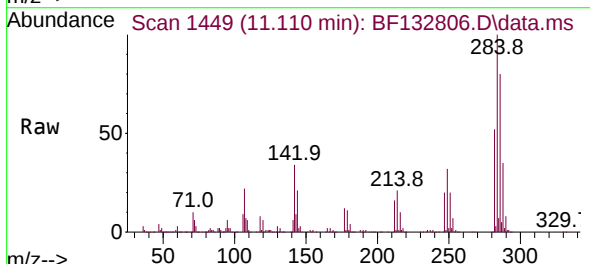
Tgt Ion:248 Resp: 377749
Ion Ratio Lower Upper
248 100
250 96.0 77.0 115.4
141 69.8 54.2 81.2

Manual Integrations
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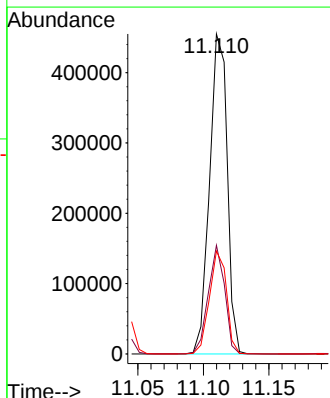
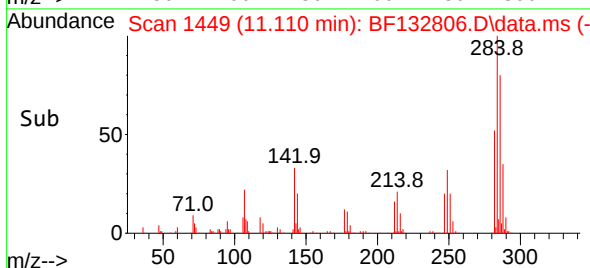
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023

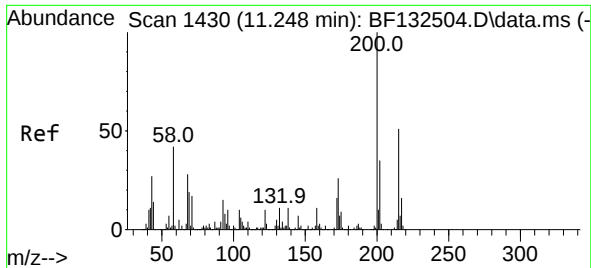


#68
Hexachlorobenzene
Concen: 42.466 ng
RT: 11.110 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45



Tgt Ion:284 Resp: 425316
Ion Ratio Lower Upper
284 100
142 33.9 22.2 33.4#
249 32.1 24.9 37.3





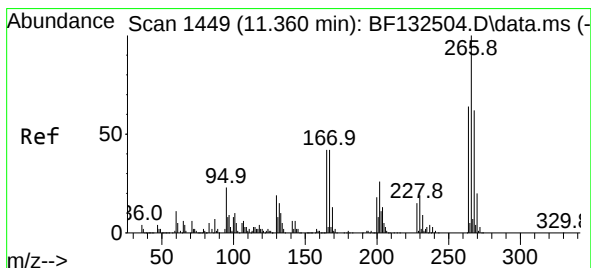
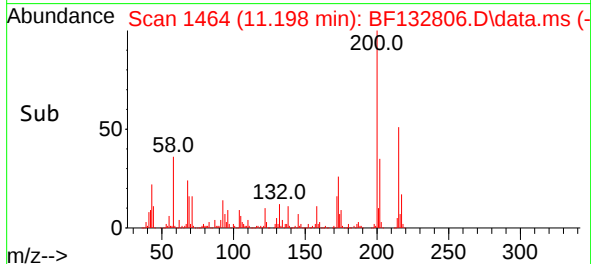
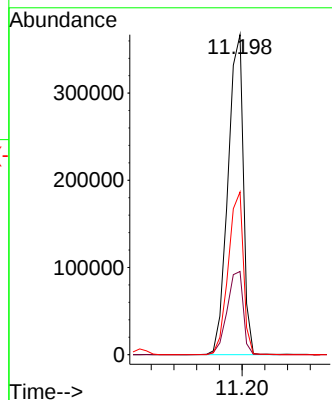
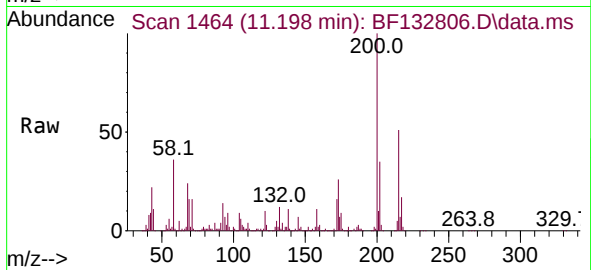
#69
 Atrazine
 Concen: 42.089 ng
 RT: 11.198 min Scan# 1430
 Delta R.T. 0.000 min
 Lab File: BF132806.D
 Acq: 15 Mar 2023 16:45

Instrument :
 BNA_F
 ClientSampleId :
 HILLBOR-DRUMS-0314

Tgt Ion:200 Resp: 344697
 Ion Ratio Lower Upper
 200 100
 173 26.0 6.4 46.4
 215 50.8 31.0 71.0

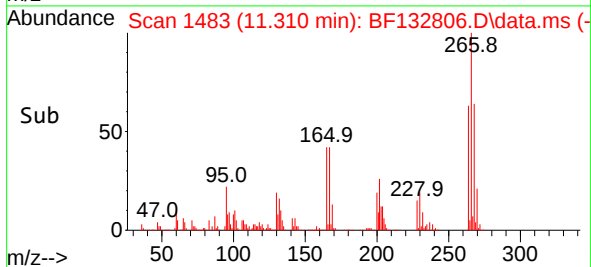
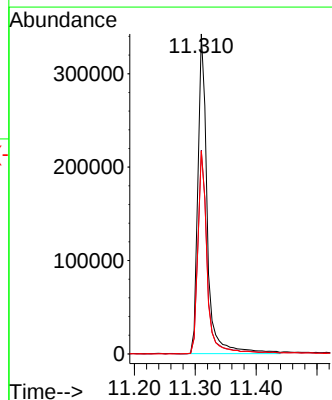
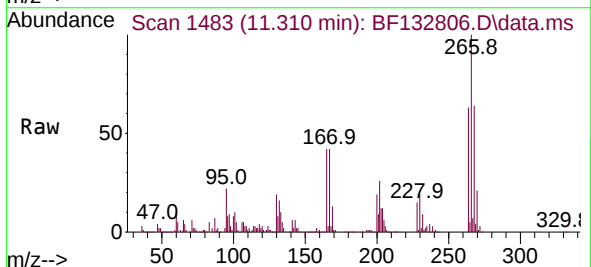
Manual Integrations
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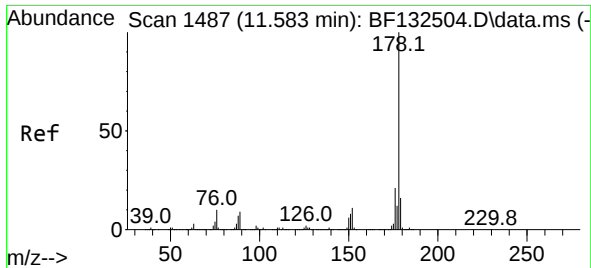
Reviewed By :Christian Giraldo 03/16/2023
 Supervised By :Jagrut Upadhyay 03/16/2023



#70
 Pentachlorophenol
 Concen: 61.662 ng
 RT: 11.310 min Scan# 1483
 Delta R.T. 0.000 min
 Lab File: BF132806.D
 Acq: 15 Mar 2023 16:45

Tgt Ion:266 Resp: 367432
 Ion Ratio Lower Upper
 266 100
 268 63.7 49.8 74.6
 264 63.3 50.9 76.3





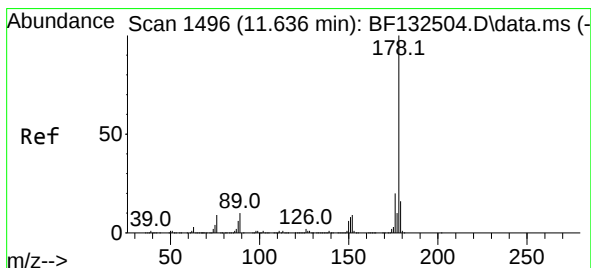
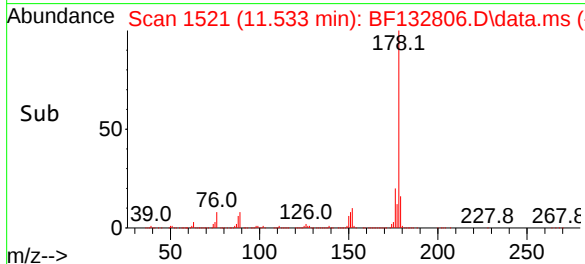
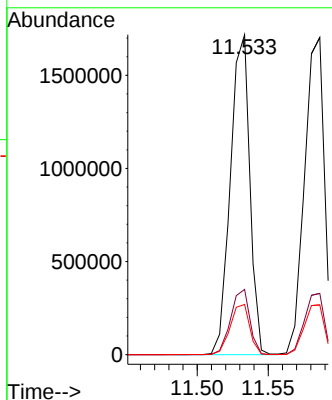
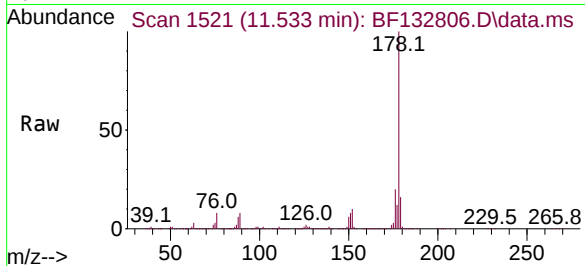
#71
Phenanthrene
Concen: 37.411 ng
RT: 11.533 min Scan# 11533
Delta R.T. -0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion:178 Resp: 1630800
Ion Ratio Lower Upper
178 100
176 20.4 16.5 24.7
179 15.7 13.0 19.6

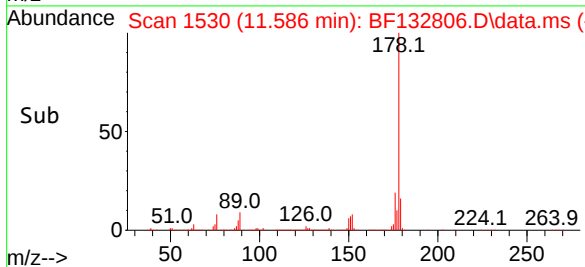
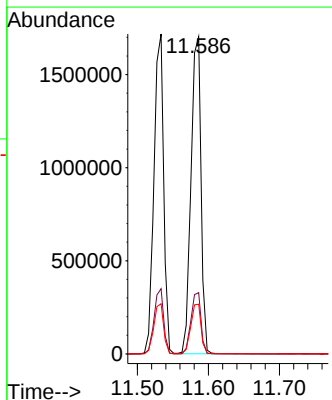
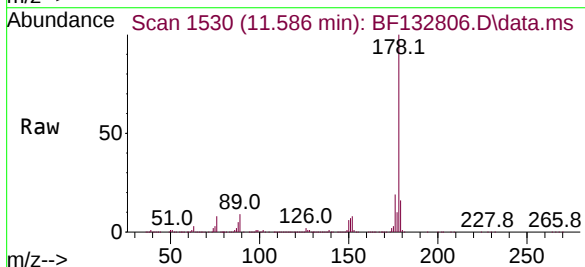
Manual Integrations
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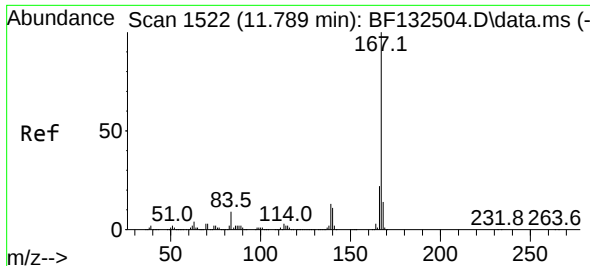
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#72
Anthracene
Concen: 37.276 ng
RT: 11.586 min Scan# 1530
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

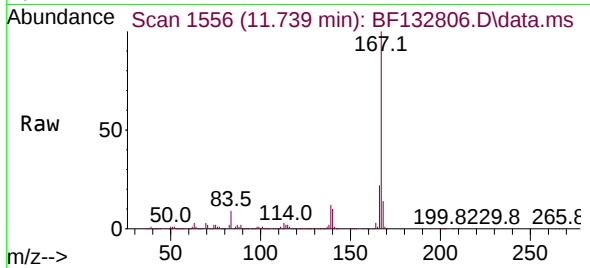
Tgt Ion:178 Resp: 1673320
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.7 12.5 18.7





#73
 Carbazole
 Concen: 36.846 ng
 RT: 11.739 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF132806.D
 Acq: 15 Mar 2023 16:45

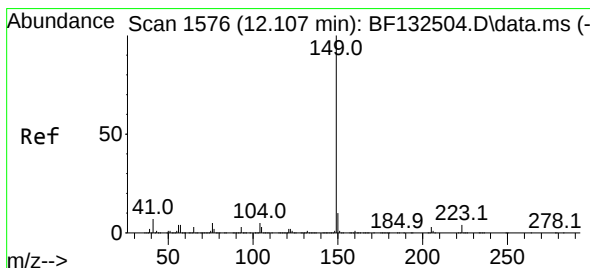
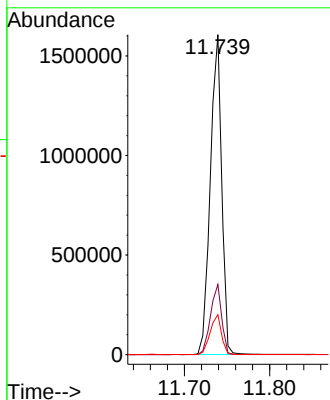
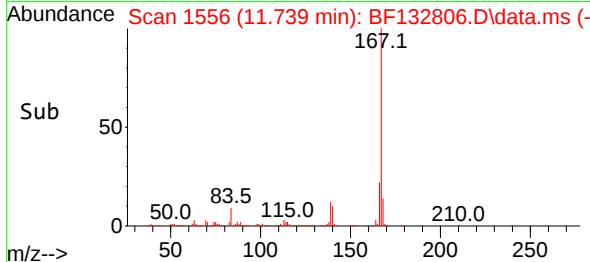
Instrument :
 BNA_F
 ClientSampleId :
 HILLBOR-DRUMS-0314



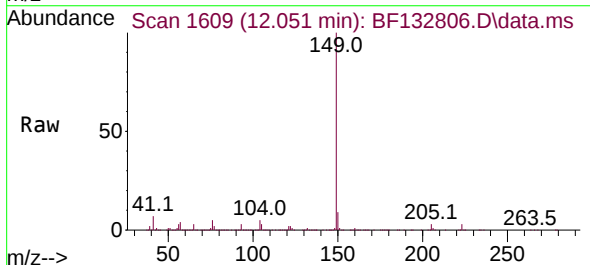
Tgt Ion:167 Resp: 149126
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.7 26.5
 139 12.5 10.5 15.7

Manual Integrations
 APPROVED

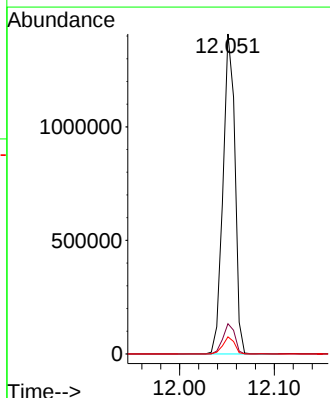
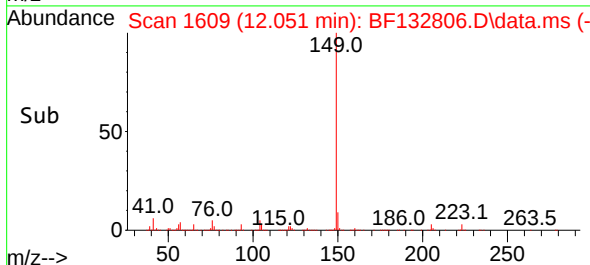
Reviewed By :Christian Giraldo 03/16/2023
 Supervised By :Jagrut Upadhyay 03/16/2023

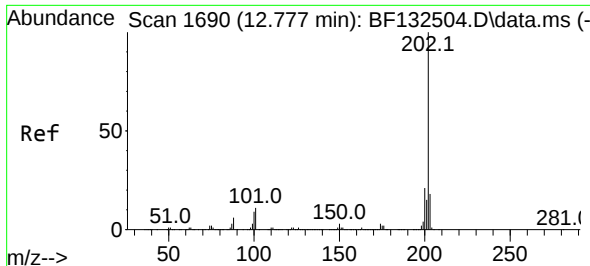


#74
 Di-n-butylphthalate
 Concen: 25.856 ng
 RT: 12.051 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF132806.D
 Acq: 15 Mar 2023 16:45



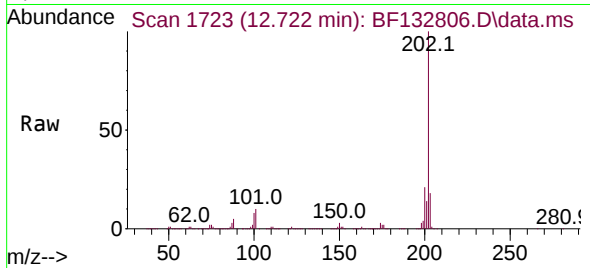
Tgt Ion:149 Resp: 1227526
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.8 11.8
 104 5.3 4.3 6.5





#75
Fluoranthene
Concen: 24.621 ng
RT: 12.722 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

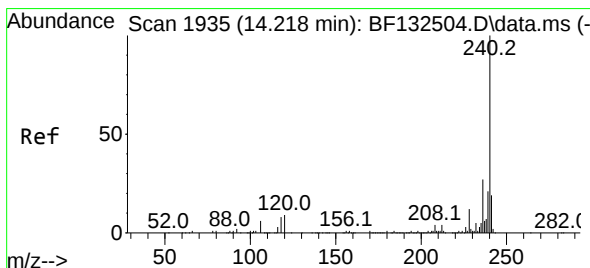
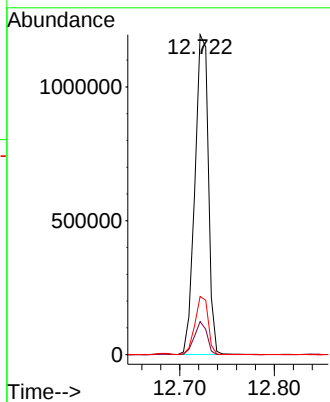
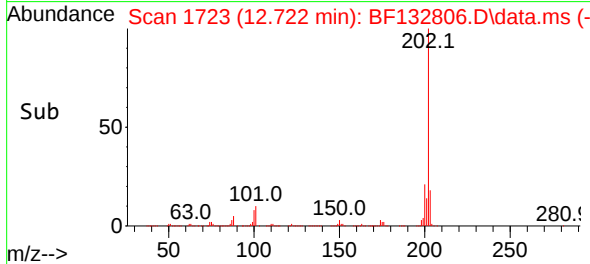
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:202 Resp: 1173306
Ion Ratio Lower Upper
202 100
101 10.3 0.0 31.4
203 18.2 0.0 38.0

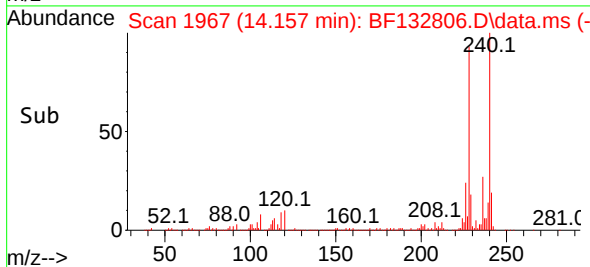
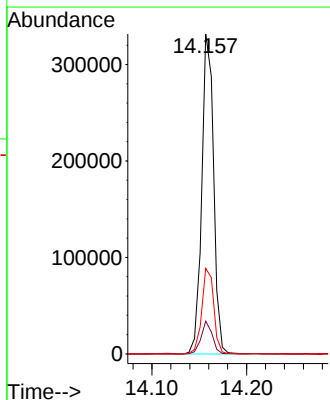
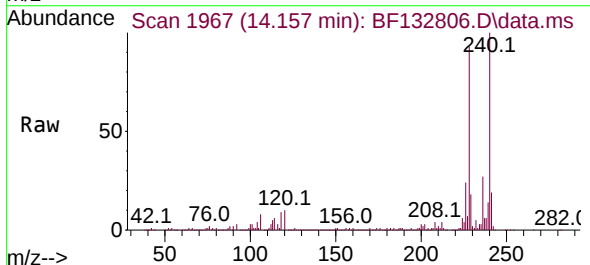
Manual Integrations
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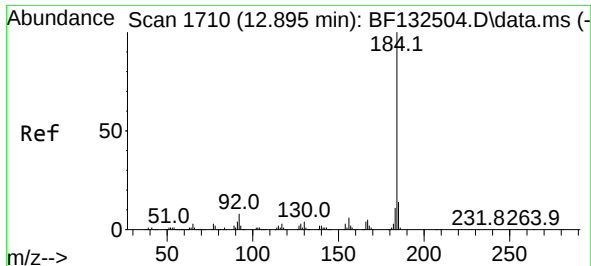
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.157 min Scan# 1967
Delta R.T. -0.006 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

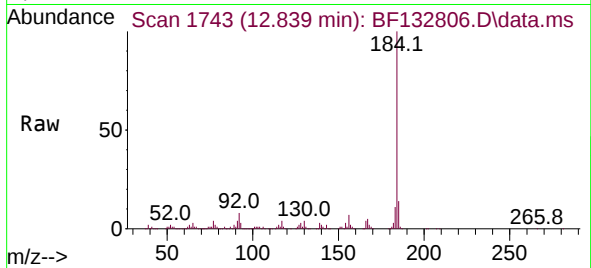
Tgt Ion:240 Resp: 288737
Ion Ratio Lower Upper
240 100
120 10.2 7.2 10.8
236 26.7 21.8 32.6





#77
Benzidine
Concen: 42.109 ng
RT: 12.839 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

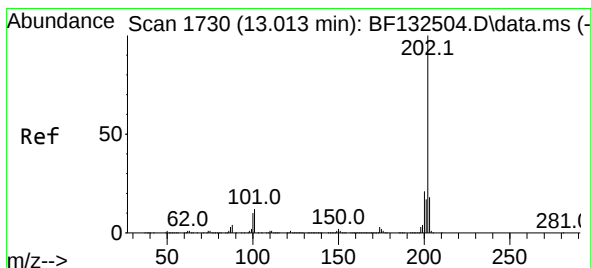
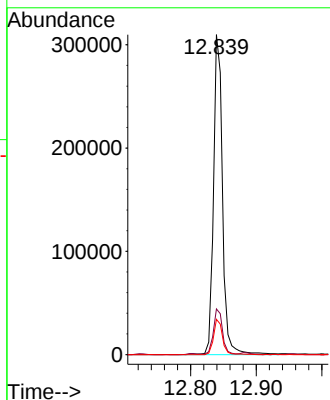
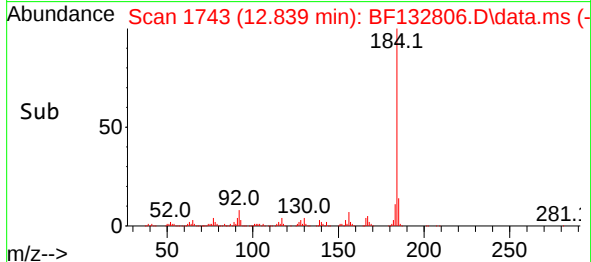
Instrument : BNA_F
ClientSampleId : HILLBOR-DRUMS-0314



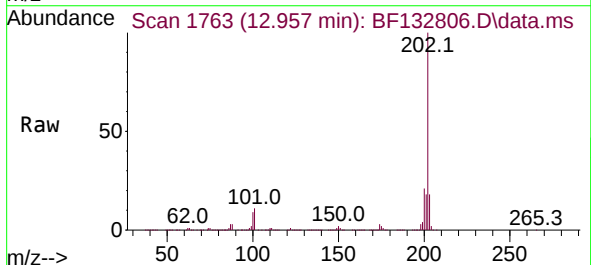
Tgt Ion:184 Resp: 295969
Ion Ratio Lower Upper
184 100
185 14.3 11.7 17.5
183 11.0 8.7 13.1

Manual Integrations
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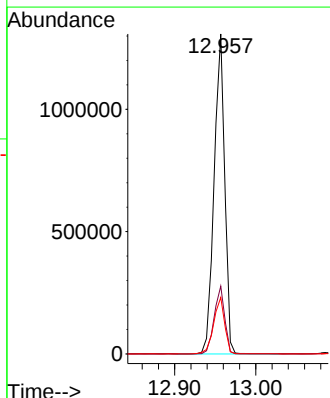
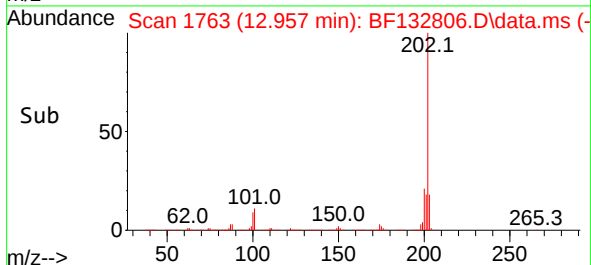
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023

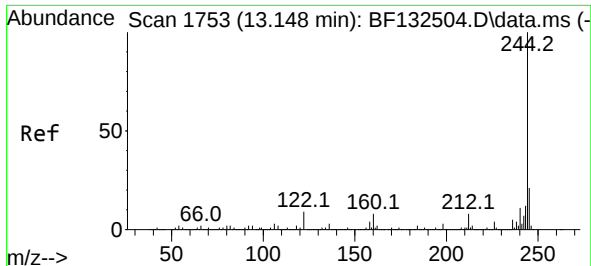


#78
Pyrene
Concen: 45.327 ng
RT: 12.957 min Scan# 1763
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45



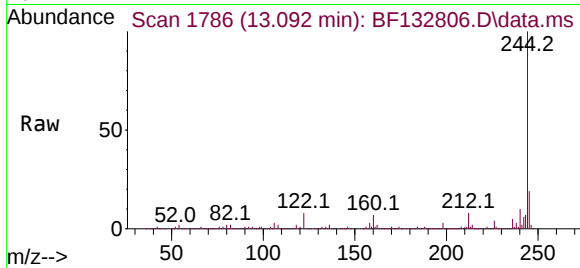
Tgt Ion:202 Resp: 1189883
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 17.6 14.6 21.8





#79
 Terphenyl-d14
 Concen: 74.142 ng
 RT: 13.092 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF132806.D
 Acq: 15 Mar 2023 16:45

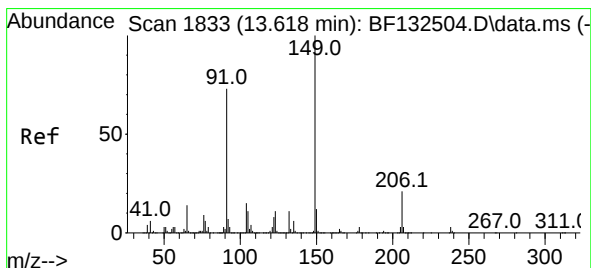
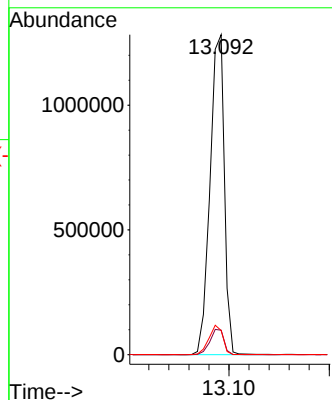
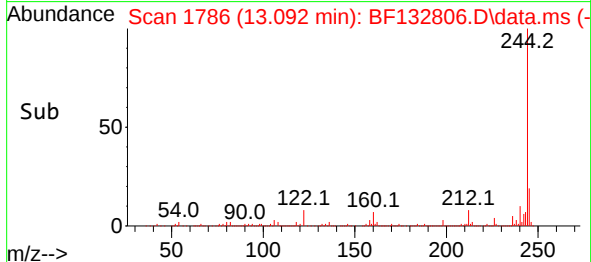
Instrument :
 BNA_F
 ClientSampleId :
 HILLBOR-DRUMS-0314



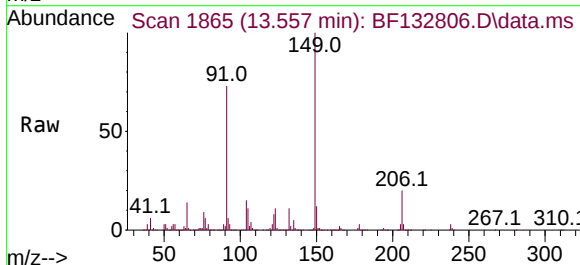
Tgt Ion:244 Resp: 126615
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.5 9.7
 122 7.5 7.5 11.3

Manual Integrations
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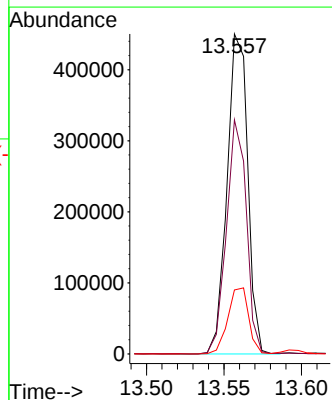
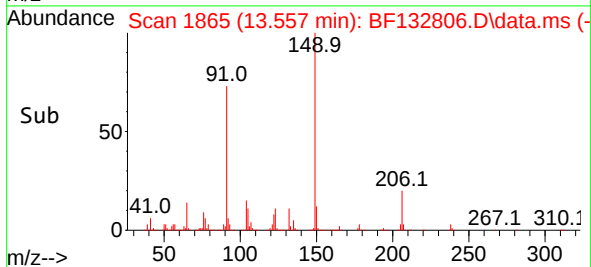
Reviewed By :Christian Giraldo 03/16/2023
 Supervised By :Jagrut Upadhyay 03/16/2023

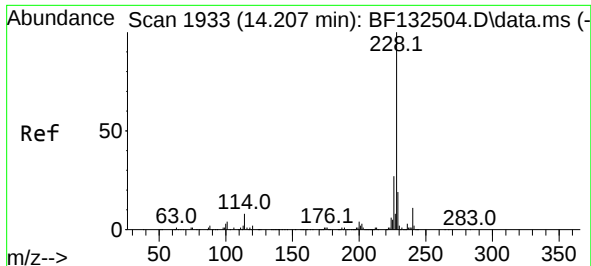


#80
 Butylbenzylphthalate
 Concen: 40.448 ng
 RT: 13.557 min Scan# 1865
 Delta R.T. -0.006 min
 Lab File: BF132806.D
 Acq: 15 Mar 2023 16:45



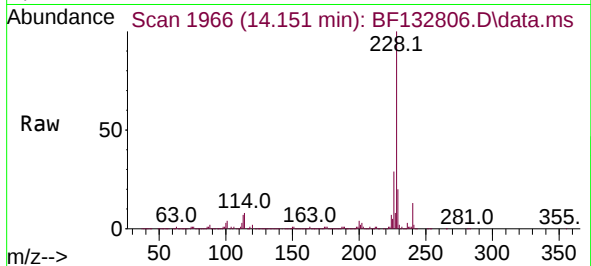
Tgt Ion:149 Resp: 419017
 Ion Ratio Lower Upper
 149 100
 91 73.1 58.4 87.6
 206 20.0 16.8 25.2





#81
Benzo(a)anthracene
Concen: 39.921 ng
RT: 14.151 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

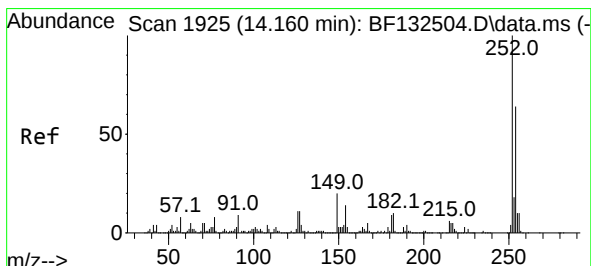
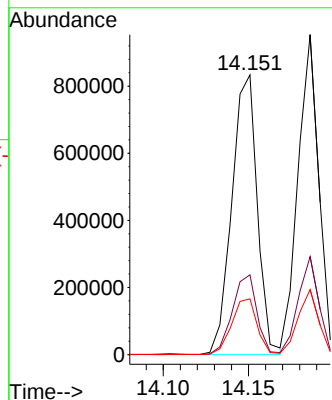
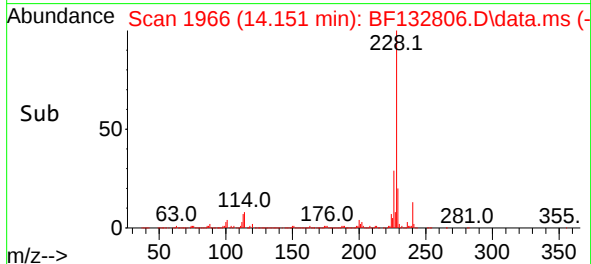
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



Tgt Ion:228 Resp: 862445
Ion Ratio Lower Upper
228 100
226 28.5 21.7 32.5
229 19.9 15.4 23.2

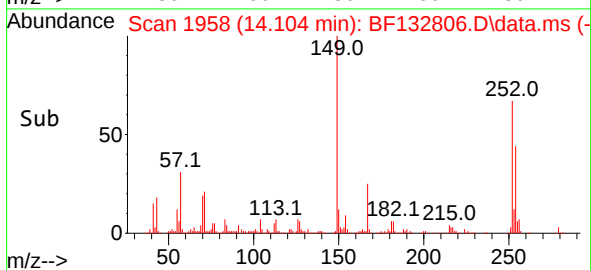
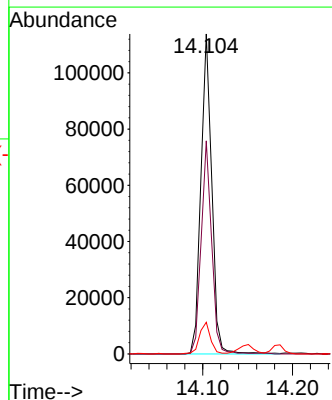
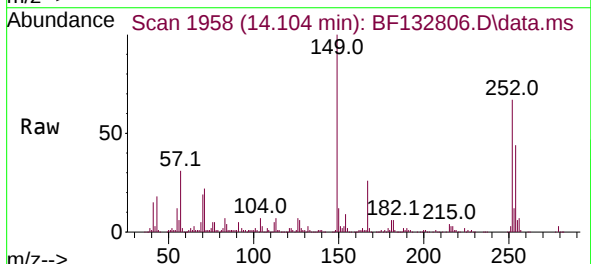
Manual Integrations
APPROVED

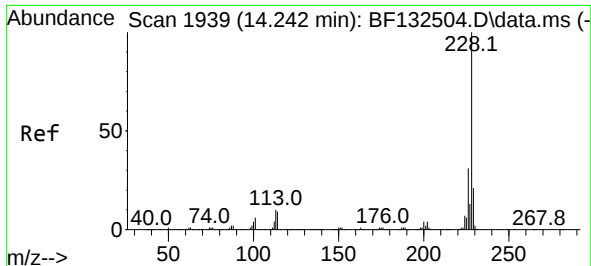
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#82
3,3'-Dichlorobenzidine
Concen: 15.009 ng
RT: 14.104 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

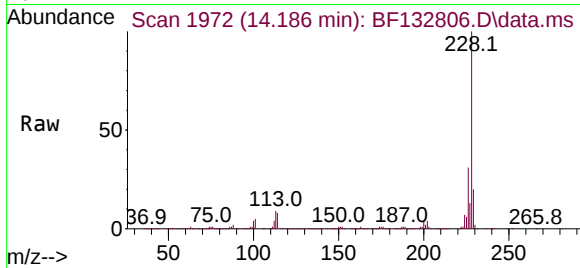
Tgt Ion:252 Resp: 95595
Ion Ratio Lower Upper
252 100
254 66.6 51.4 77.2
126 9.9 8.9 13.3





#83
Chrysene
Concen: 40.007 ng
RT: 14.186 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

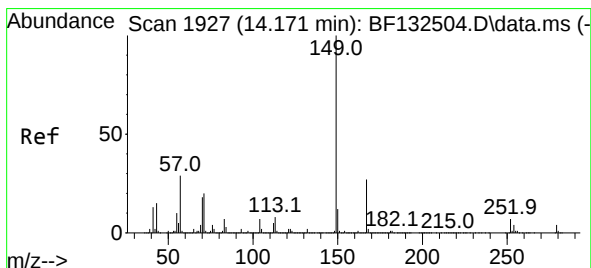
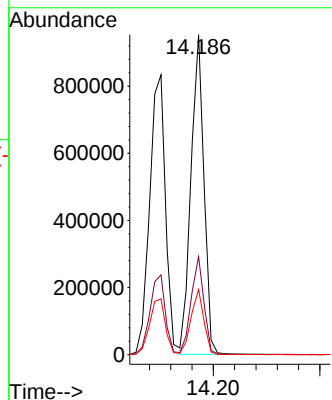
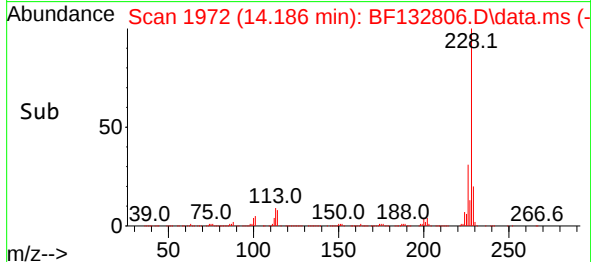
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



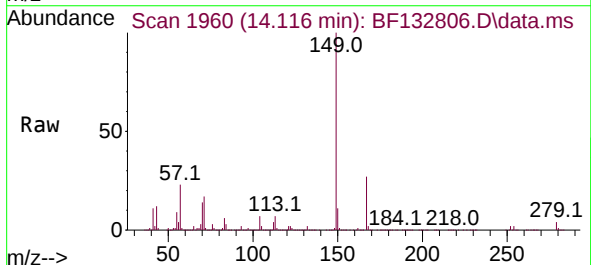
Tgt Ion:228 Resp: 808231
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 20.3 16.4 24.6

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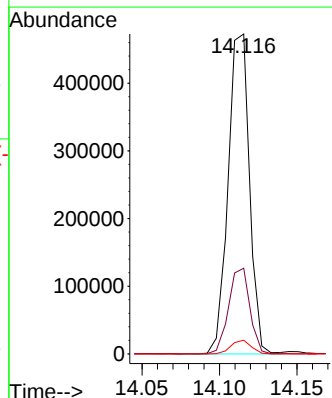
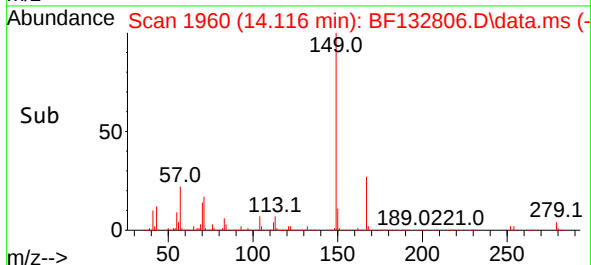
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023

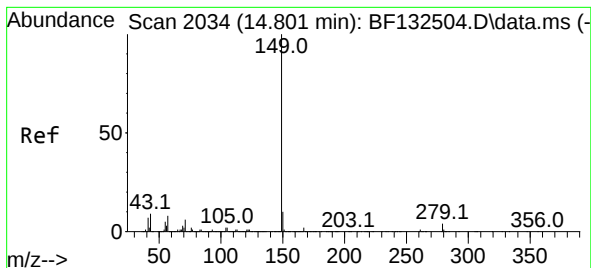


#84
Bis(2-ethylhexyl)phthalate
Concen: 35.823 ng
RT: 14.116 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45



Tgt Ion:149 Resp: 455881
Ion Ratio Lower Upper
149 100
167 26.8 21.8 32.6
279 4.3 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 38.371 ng

RT: 14.733 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF132806.D

Acq: 15 Mar 2023 16:45

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

Tgt Ion:149 Resp: 71356

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

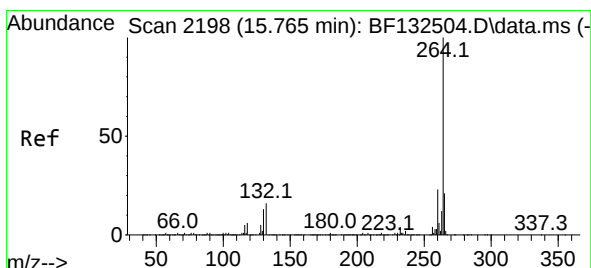
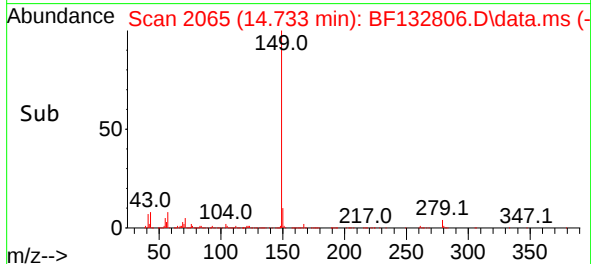
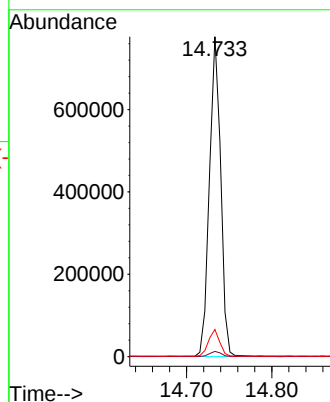
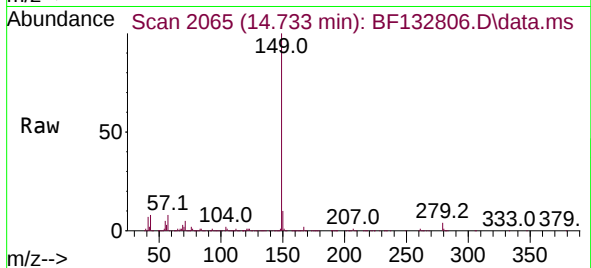
43 8.3 7.2 10.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/16/2023

Supervised By :Jagrut Upadhyay 03/16/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.686 min Scan# 2227

Delta R.T. -0.006 min

Lab File: BF132806.D

Acq: 15 Mar 2023 16:45

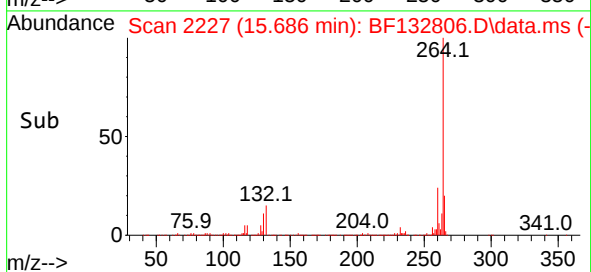
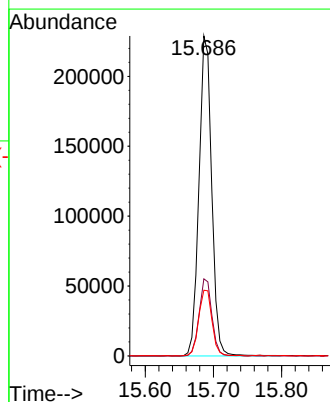
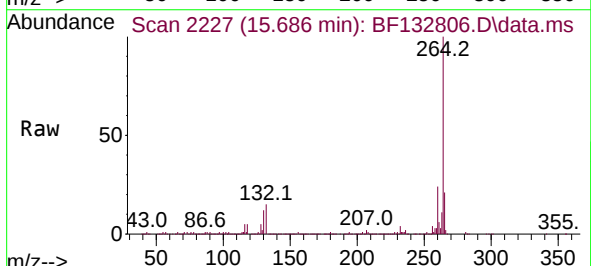
Tgt Ion:264 Resp: 296801

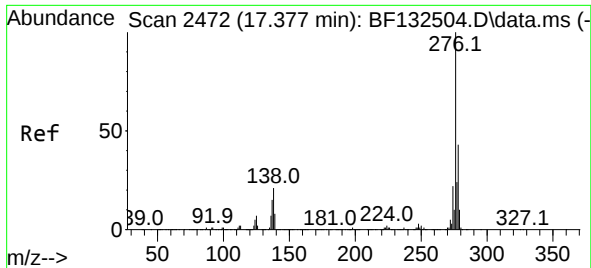
Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

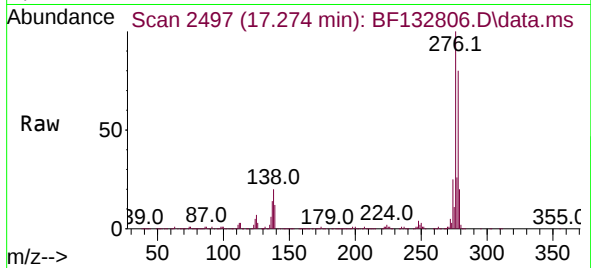
265 20.5 17.1 25.7





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 45.795 ng
 RT: 17.274 min Scan# 2472
 Delta R.T. 0.000 min
 Lab File: BF132806.D
 Acq: 15 Mar 2023 16:45

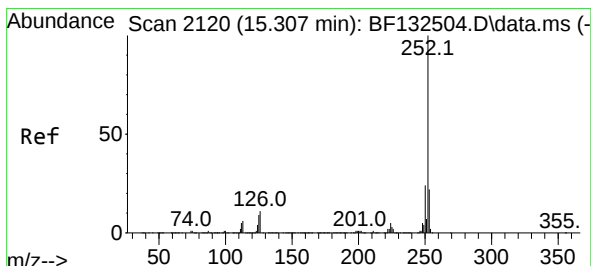
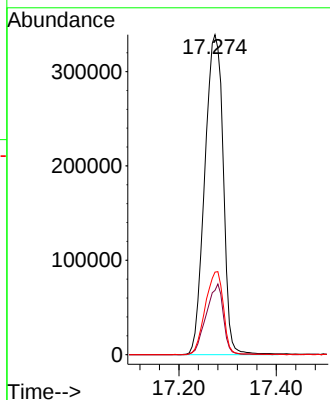
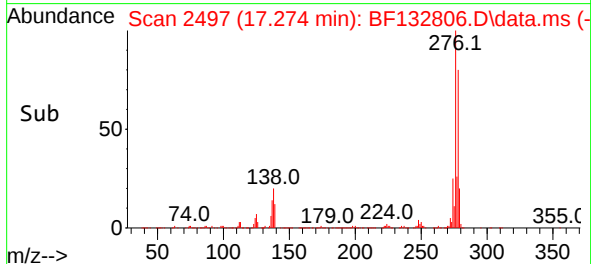
Instrument :
 BNA_F
 ClientSampleId :
 HILLBOR-DRUMS-0314



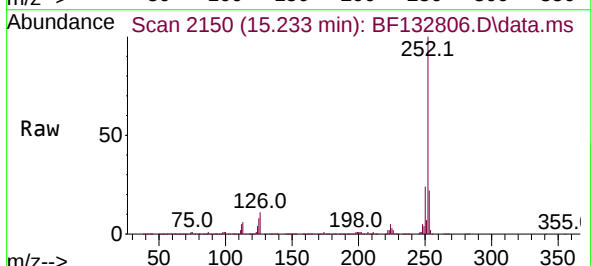
Tgt Ion:276 Resp: 890604
 Ion Ratio Lower Upper
 276 100
 138 20.6 19.0 28.4
 277 25.5 20.0 30.0

Manual Integrations
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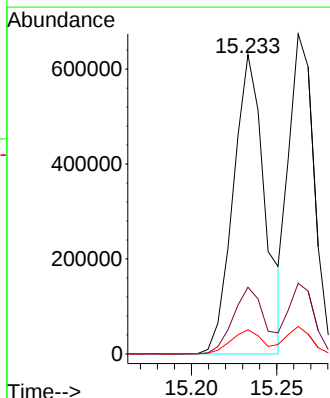
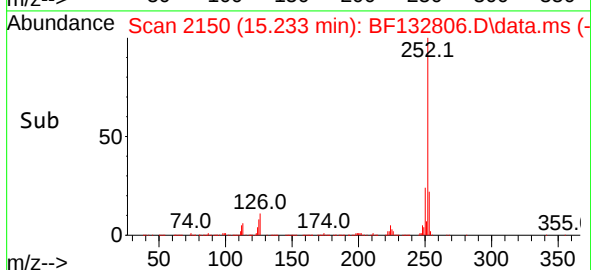
Reviewed By :Christian Giraldo 03/16/2023
 Supervised By :Jagrut Upadhyay 03/16/2023

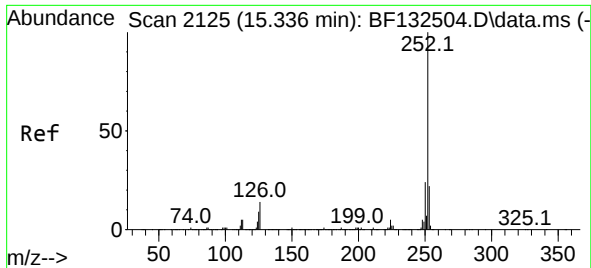


#88
 Benzo(b)fluoranthene
 Concen: 40.843 ng
 RT: 15.233 min Scan# 2150
 Delta R.T. 0.000 min
 Lab File: BF132806.D
 Acq: 15 Mar 2023 16:45



Tgt Ion:252 Resp: 812367
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.4 26.0
 125 8.0 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 35.854 ng

RT: 15.263 min Scan# 2115

Delta R.T. -0.006 min

Lab File: BF132806.D

Acq: 15 Mar 2023 16:45

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

Tgt Ion:252 Resp: 697949

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

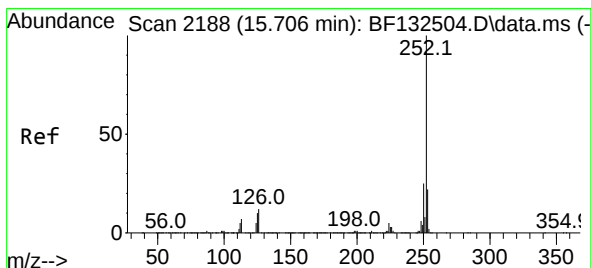
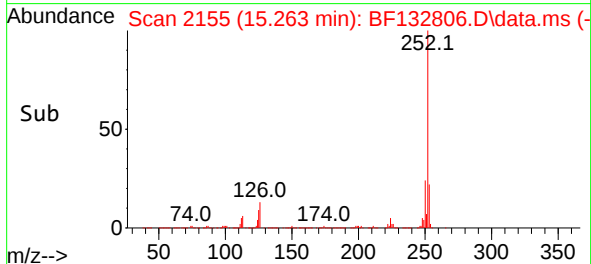
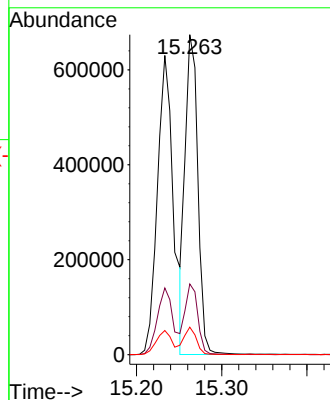
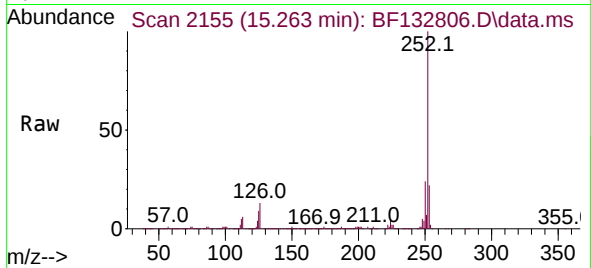
125 8.6 7.2 10.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/16/2023

Supervised By :Jagrut Upadhyay 03/16/2023



#90

Benzo(a)pyrene

Concen: 37.603 ng

RT: 15.627 min Scan# 2217

Delta R.T. 0.000 min

Lab File: BF132806.D

Acq: 15 Mar 2023 16:45

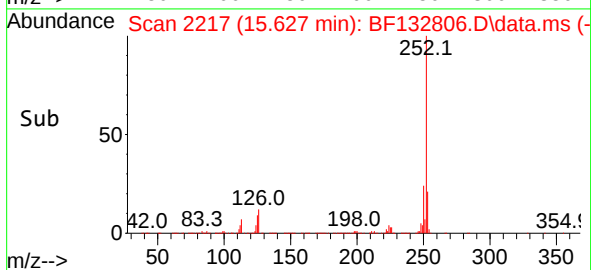
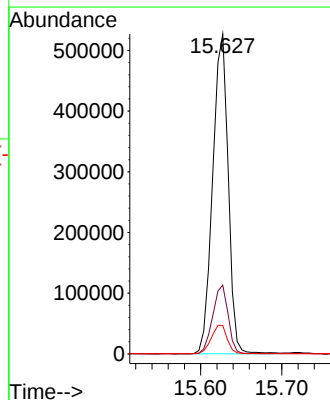
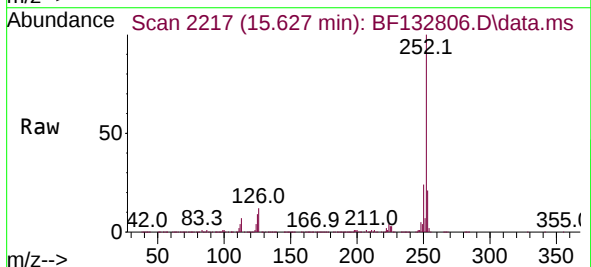
Tgt Ion:252 Resp: 700004

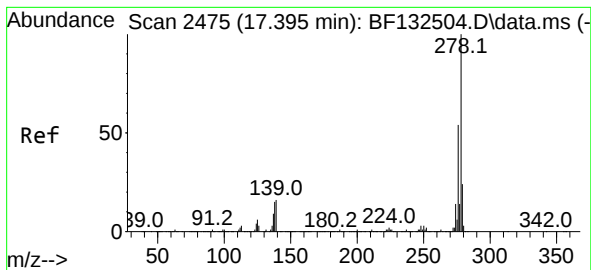
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

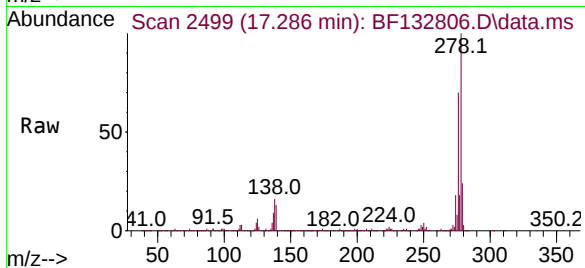
125 8.9 8.0 12.0





#91
Dibenzo(a,h)anthracene
Concen: 45.450 ng
RT: 17.286 min Scan# 2475
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45

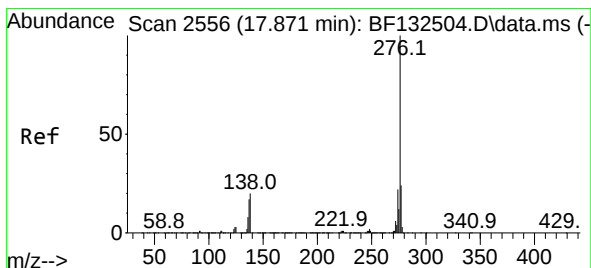
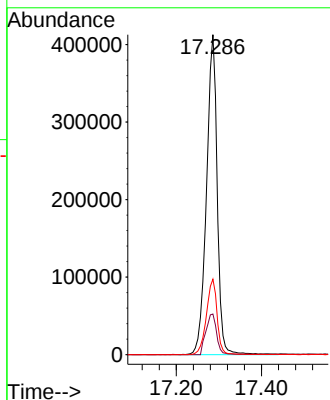
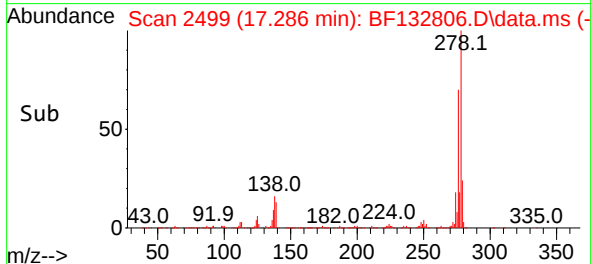
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



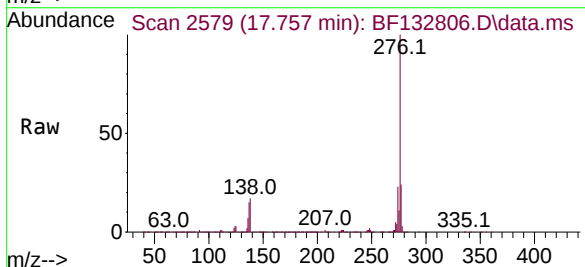
Tgt Ion:278 Resp: 720172
Ion Ratio Lower Upper
278 100
139 12.7 13.0 19.4
279 23.6 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#92
Benzo(g,h,i)perylene
Concen: 43.452 ng
RT: 17.757 min Scan# 2579
Delta R.T. 0.000 min
Lab File: BF132806.D
Acq: 15 Mar 2023 16:45



Tgt Ion:276 Resp: 775270
Ion Ratio Lower Upper
276 100
277 23.8 18.9 28.3
138 17.2 16.2 24.4

