

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042723\
 Data File : BF133102.D
 Acq On : 27 Apr 2023 16:22
 Operator : CG\JU
 Sample : 02504-01MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-512-COMP-01MSD

Quant Time: Apr 28 02:09:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 28 02:00:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/28/2023
 Supervised By : Jagrut Upadhyay 04/28/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	207636	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	858357	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	445616	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	769807	20.000	ng	0.00
76) Chrysene-d12	13.892	240	462858	20.000	ng	0.00
86) Perylene-d12	15.309	264	421614	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1113720	81.026	ng	0.01
7) Phenol-d6	6.381	99	1404983	82.352	ng	0.00
23) Nitrobenzene-d5	7.304	82	837587	52.671	ng	0.00
42) 2,4,6-Tribromophenol	10.563	330	363412	81.091	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1498340	56.253	ng	0.00
79) Terphenyl-d14	12.839	244	1675355	62.426	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.522	88	270510	42.430	ng	95
3) Pyridine	3.216	79	664597	39.248	ng	97
4) n-Nitrosodimethylamine	3.181	42	342774	39.081	ng	89
6) Aniline	6.398	93	771834	35.126	ng	# 64
8) 2-Chlorophenol	6.522	128	673984	48.294	ng	95
9) Benzaldehyde	6.281	77	381807	55.055	ng	98
10) Phenol	6.392	94	808291	42.946	ng	75
11) bis(2-Chloroethyl)ether	6.475	93	632481	44.782	ng	97
12) 1,3-Dichlorobenzene	6.675	146	697253	46.992	ng	99
13) 1,4-Dichlorobenzene	6.751	146	702425	47.236	ng	100
14) 1,2-Dichlorobenzene	6.904	146	678024	49.456	ng	97
15) Benzyl Alcohol	6.886	79	537538	45.613	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.022	45	1028022	41.908	ng	96
17) 2-Methylphenol	7.004	107	582342	45.570	ng	98
18) Hexachloroethane	7.251	117	245687	47.522	ng	98
19) n-Nitroso-di-n-propyla...	7.163	70	442096	41.624	ng	93
20) 3+4-Methylphenols	7.157	107	658805	43.776	ng	# 80
22) Acetophenone	7.151	105	890205	44.771	ng	100
24) Nitrobenzene	7.322	77	684566	42.482	ng	99
25) Isophorone	7.563	82	1304597	43.209	ng	99
26) 2-Nitrophenol	7.639	139	383626	49.358	ng	93
27) 2,4-Dimethylphenol	7.686	122	623038	46.748	ng	98
28) bis(2-Chloroethoxy)met...	7.775	93	781635	43.760	ng	99
29) 2,4-Dichlorophenol	7.886	162	559459	46.112	ng	97
30) 1,2,4-Trichlorobenzene	7.963	180	588637	46.831	ng	99
31) Naphthalene	8.045	128	1878786	43.779	ng	99
32) Benzoic acid	7.822	122	460817m	55.977	ng	
33) 4-Chloroaniline	8.092	127	296577	17.104	ng	99
34) Hexachlorobutadiene	8.163	225	314142	45.094	ng	100
35) Caprolactam	8.475	113	202620m	49.713	ng	
36) 4-Chloro-3-methylphenol	8.581	107	612476	46.813	ng	98
37) 2-Methylnaphthalene	8.733	142	1251458	42.654	ng	99
38) 1-Methylnaphthalene	8.833	142	1178147	42.924	ng	100
40) 1,2,4,5-Tetrachloroben...	8.904	216	513841	42.887	ng	99
41) Hexachlorocyclopentadiene	8.892	237	666722	95.415	ng	98
43) 2,4,6-Trichlorophenol	9.016	196	376066	45.386	ng	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.057	196	399767	41.717	ng	98
46) 1,1'-Biphenyl	9.198	154	1528067	43.245	ng	100
47) 2-Chloronaphthalene	9.222	162	1135792	43.915	ng	99
48) 2-Nitroaniline	9.322	65	360814	42.212	ng	94
49) Acenaphthylene	9.639	152	1763446	42.672	ng	99
50) Dimethylphthalate	9.504	163	1337949	43.060	ng	100
51) 2,6-Dinitrotoluene	9.563	165	311476	44.538	ng	90
52) Acenaphthene	9.810	154	1300840m	46.999	ng	
53) 3-Nitroaniline	9.727	138	237935	28.614	ng	100
54) 2,4-Dinitrophenol	9.839	184	352565	100.295	ng	93
55) Dibenzofuran	9.980	168	1605738	42.530	ng	99
56) 4-Nitrophenol	9.904	139	566619	87.978	ng	99
57) 2,4-Dinitrotoluene	9.969	165	404932	45.403	ng	86
58) Fluorene	10.322	166	1172230	42.379	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.098	232	331645	44.640	ng	97
60) Diethylphthalate	10.204	149	1250601	42.611	ng	98
61) 4-Chlorophenyl-phenyle...	10.316	204	569364	42.239	ng	98
62) 4-Nitroaniline	10.351	138	349722	45.759	ng	94
63) Azobenzene	10.475	77	1303536	41.927	ng	99
65) 4,6-Dinitro-2-methylph...	10.374	198	241634	51.786	ng	93
66) n-Nitrosodiphenylamine	10.439	169	1079413	43.227	ng	98
67) 4-Bromophenyl-phenylether	10.804	248	363714	43.564	ng	97
68) Hexachlorobenzene	10.874	284	403067	47.114	ng	93
69) Atrazine	10.969	200	367904	51.132	ng	98
70) Pentachlorophenol	11.069	266	475269	78.004	ng	97
71) Phenanthrene	11.280	178	1774428	42.887	ng	100
72) Anthracene	11.333	178	1798515	42.475	ng	100
73) Carbazole	11.486	167	1611089	42.731	ng	99
74) Di-n-butylphthalate	11.821	149	1918937	44.975	ng	100
75) Fluoranthene	12.468	202	1742417	41.961	ng	96
77) Benzidine	12.592	184	1056217	134.942	ng	# 93
78) Pyrene	12.692	202	1780809	44.882	ng	99
80) Butylbenzylphthalate	13.315	149	761008	54.169	ng	94
81) Benzo(a)anthracene	13.880	228	1343119	42.198	ng	99
82) 3,3'-Dichlorobenzidine	13.845	252	319334	36.317	ng	98
83) Chrysene	13.915	228	1344629	42.255	ng	99
84) Bis(2-ethylhexyl)phtha...	13.880	149	915374	51.910	ng	100
85) Di-n-octyl phthalate	14.492	149	1628118	56.624	ng	97
87) Indeno(1,2,3-cd)pyrene	16.692	276	1230430	51.306	ng	99
88) Benzo(b)fluoranthene	14.910	252	1286999	47.982	ng	99
89) Benzo(k)fluoranthene	14.933	252	1086966	40.880	ng	98
90) Benzo(a)pyrene	15.251	252	1011970	41.450	ng	99
91) Dibenzo(a,h)anthracene	16.709	278	1017754	50.882	ng	98
92) Benzo(g,h,i)perylene	17.109	276	1018676	51.585	ng	100

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

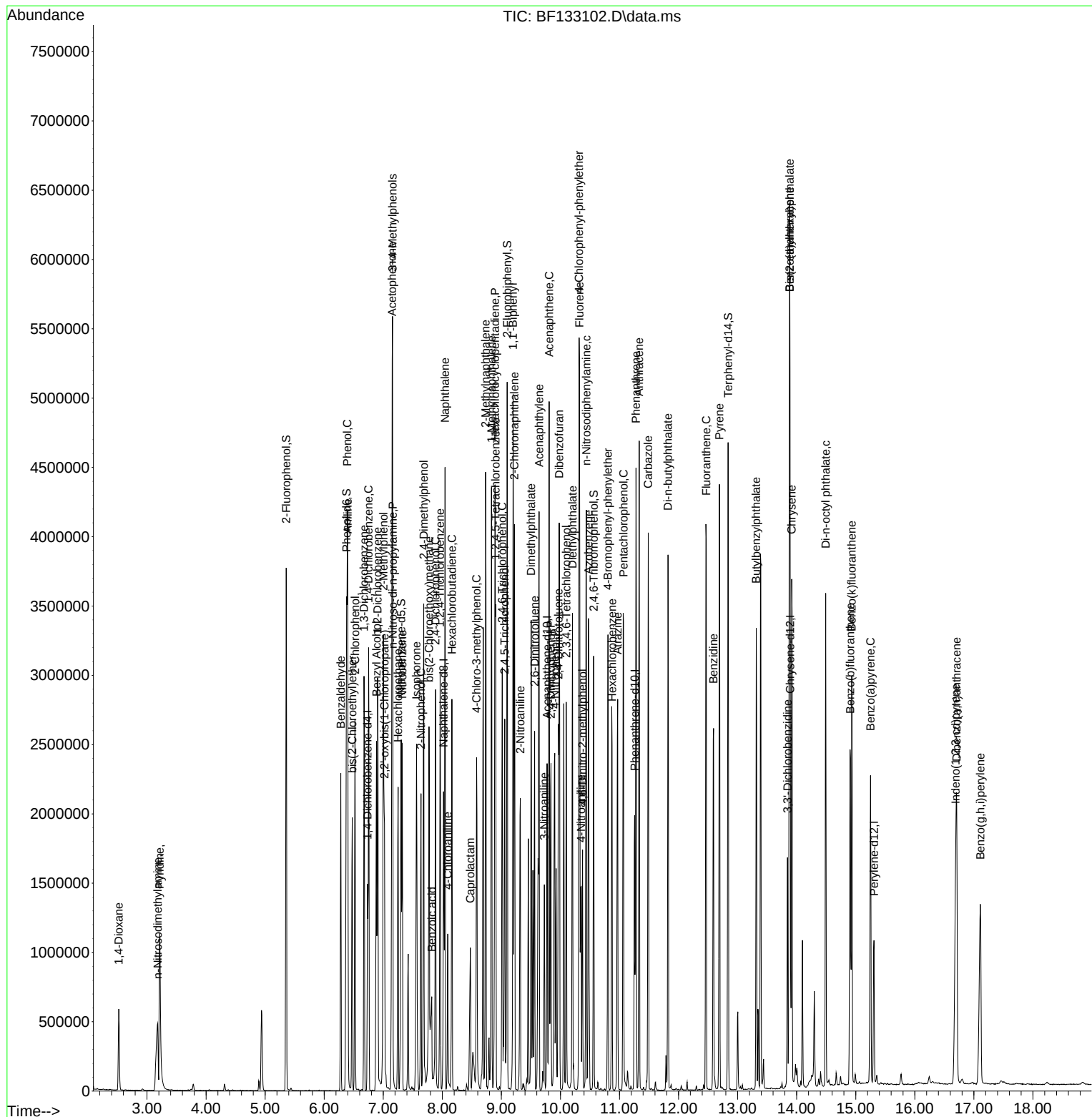
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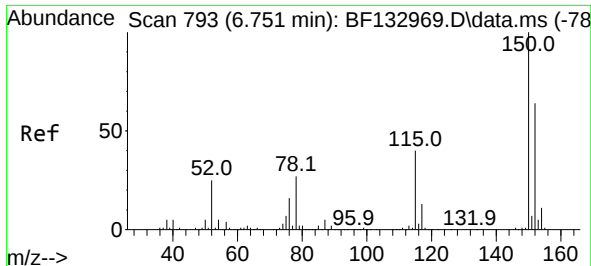
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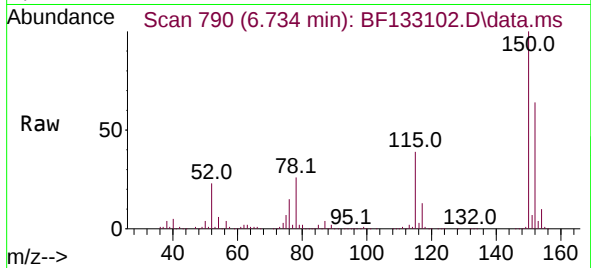
Reviewed By : Christian Giraldo 04/28/2023
 Supervised By : Jagrut Upadhyay 04/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

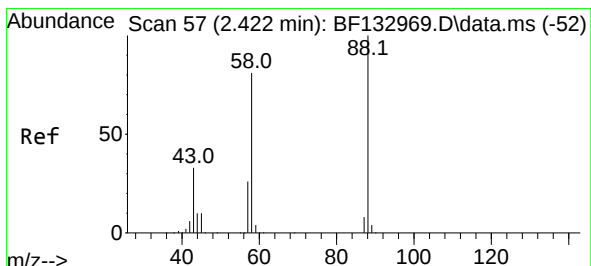
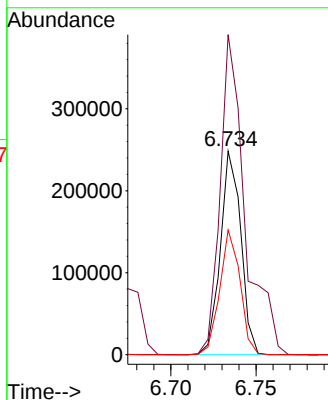
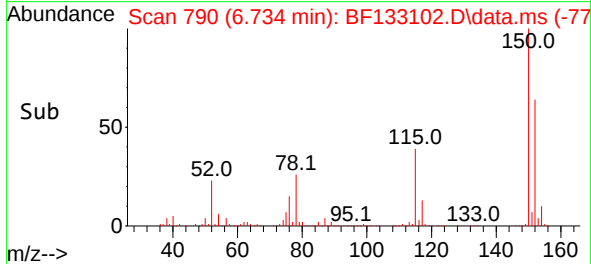
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



Tgt Ion:152 Resp: 207630
Ion Ratio Lower Upper
152 100
150 157.3 124.8 187.2
115 61.4 49.9 74.9

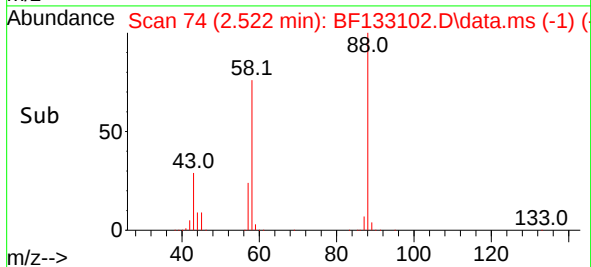
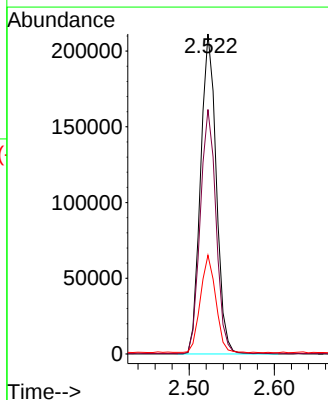
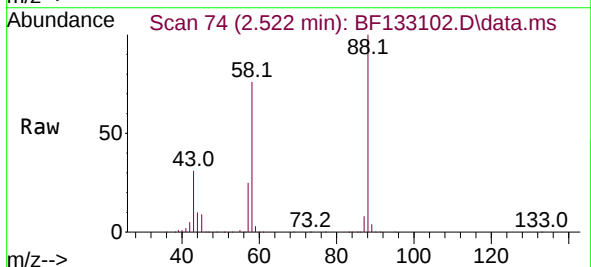
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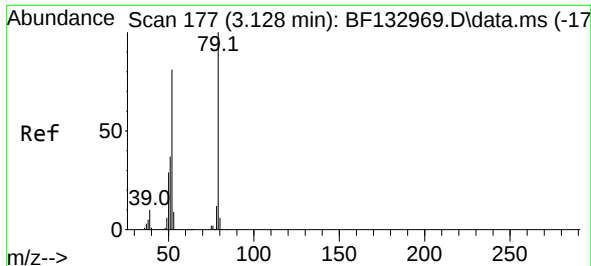
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#2
1,4-Dioxane
Concen: 42.430 ng
RT: 2.522 min Scan# 74
Delta R.T. 0.129 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

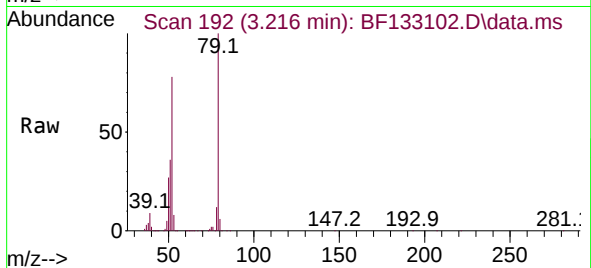
Tgt Ion: 88 Resp: 270510
Ion Ratio Lower Upper
88 100
58 76.6 64.7 97.1
43 29.9 26.2 39.2





#3
Pyridine
Concen: 39.248 ng
RT: 3.216 min Scan# 192
Delta R.T. 0.123 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

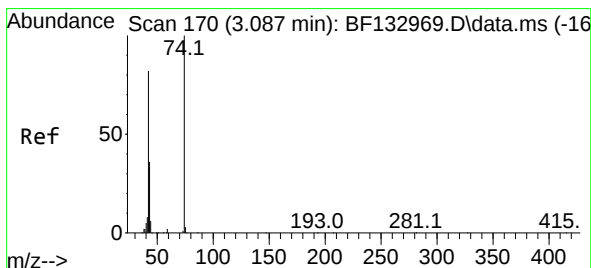
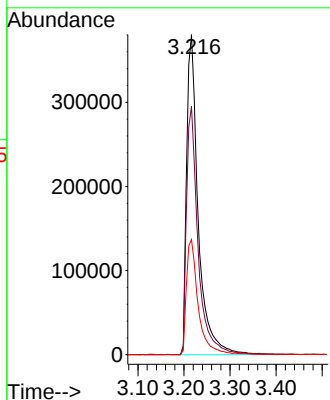
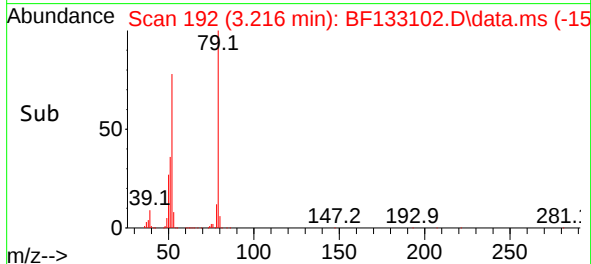
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



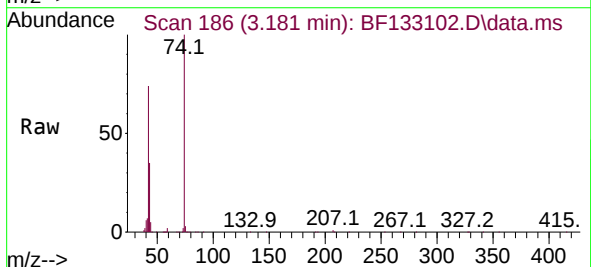
Tgt Ion: 79 Resp: 664597
Ion Ratio Lower Upper
79 100
52 77.6 64.6 96.8
51 36.0 30.0 45.0

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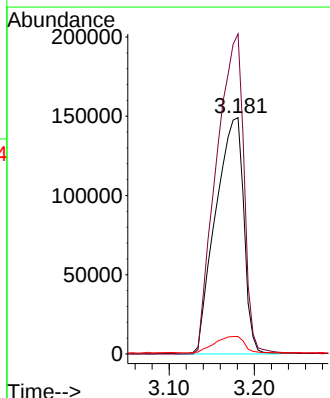
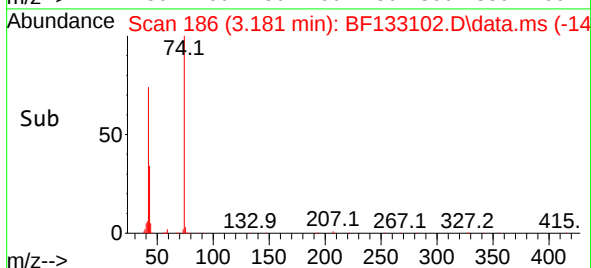
Reviewed By :Christian Giraldo 04/28/2023
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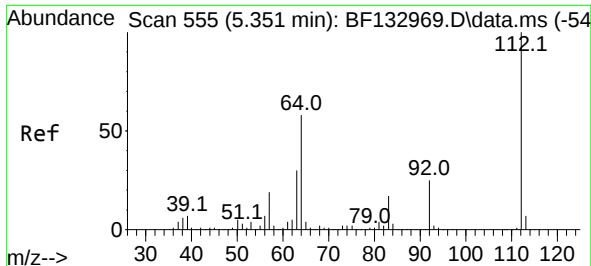


#4
n-Nitrosodimethylamine
Concen: 39.081 ng
RT: 3.181 min Scan# 186
Delta R.T. 0.129 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22



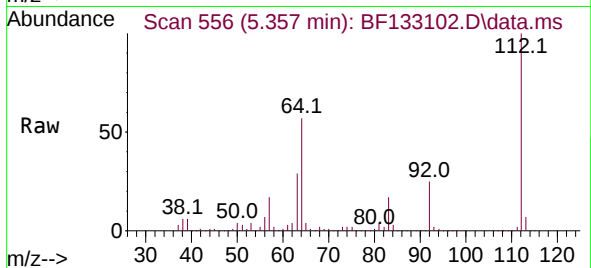
Tgt Ion: 42 Resp: 342774
Ion Ratio Lower Upper
42 100
74 135.4 98.0 147.0
44 7.4 5.8 8.8





#5
2-Fluorophenol
Concen: 81.026 ng
RT: 5.357 min Scan# 511
Delta R.T. 0.012 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

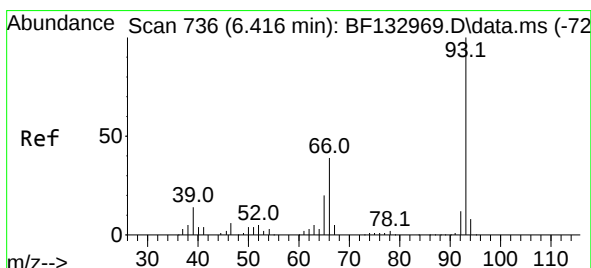
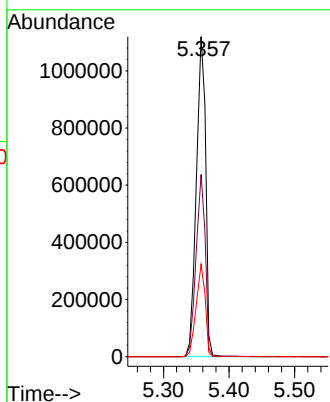
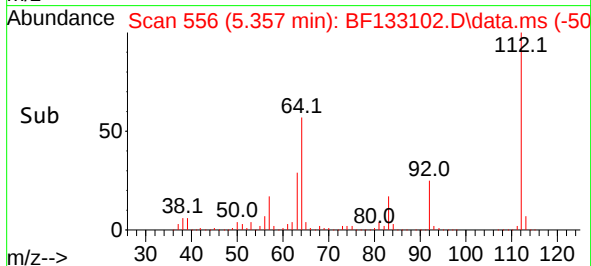
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



Tgt Ion: 112 Resp: 1113720
Ion Ratio Lower Upper
112 100
64 56.9 46.8 70.2
63 28.9 23.8 35.8

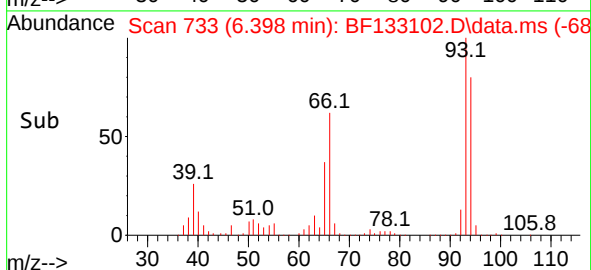
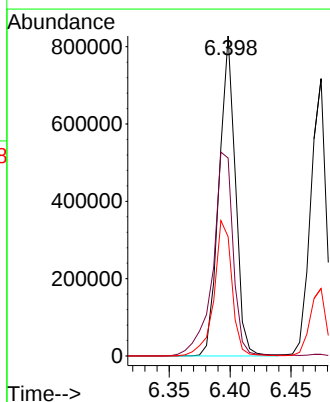
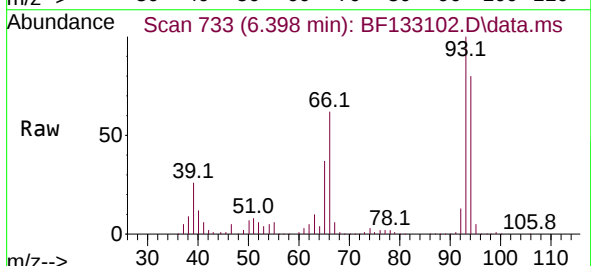
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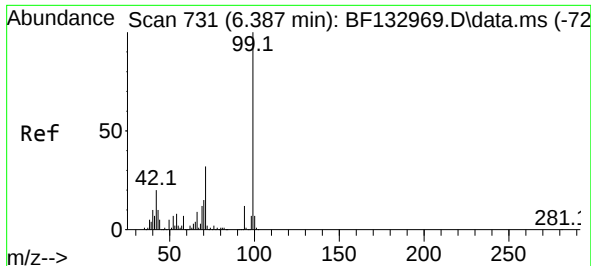
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#6
Aniline
Concen: 35.126 ng
RT: 6.398 min Scan# 733
Delta R.T. -0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

Tgt Ion: 93 Resp: 771834
Ion Ratio Lower Upper
93 100
66 61.8 31.5 47.3#
65 37.3 16.4 24.6#





#7

Phenol-d6

Concen: 82.352 ng

RT: 6.381 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF133102.D

Acq: 27 Apr 2023 16:22

Instrument :

BNA_F

ClientSampleId :

BU-512-COMP-01MSD

Tgt Ion: 99 Resp: 140498

Ion Ratio Lower Upper

99 100

42 18.7 16.3 24.5

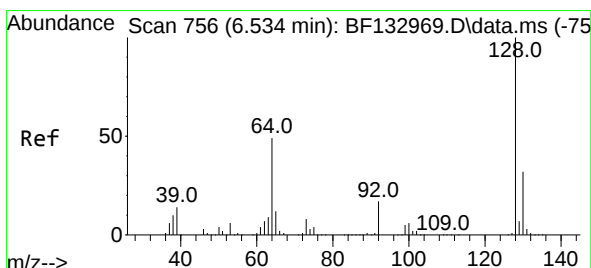
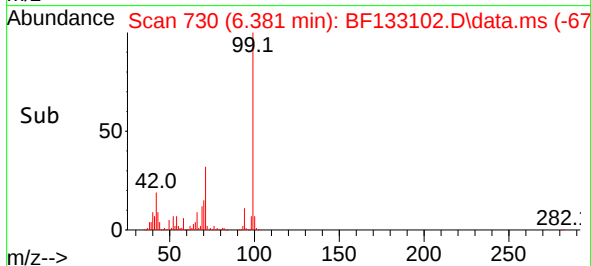
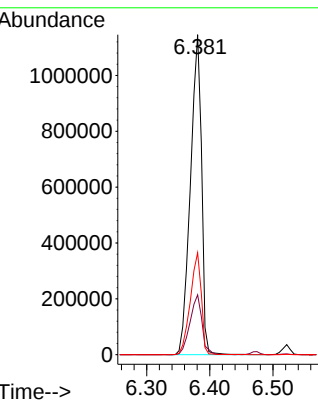
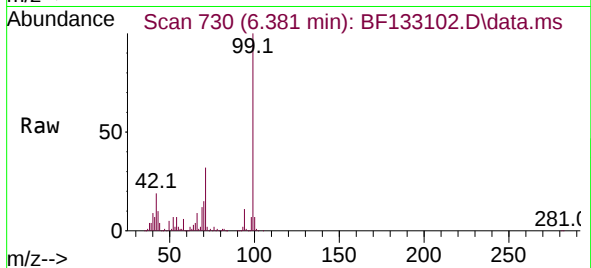
71 31.8 25.6 38.4

Manual Integrations

APPROVED

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Supervised By :Jagrut Upadhyay 04/28/2023



#8

2-Chlorophenol

Concen: 48.294 ng

RT: 6.522 min Scan# 754

Delta R.T. -0.000 min

Lab File: BF133102.D

Acq: 27 Apr 2023 16:22

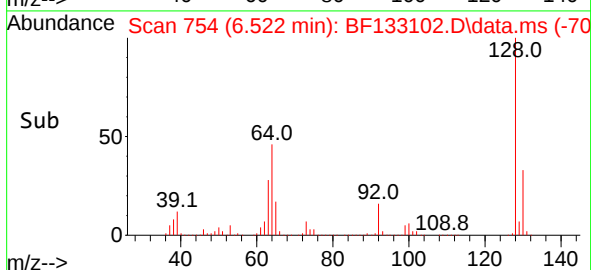
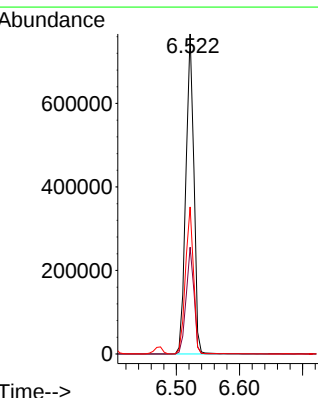
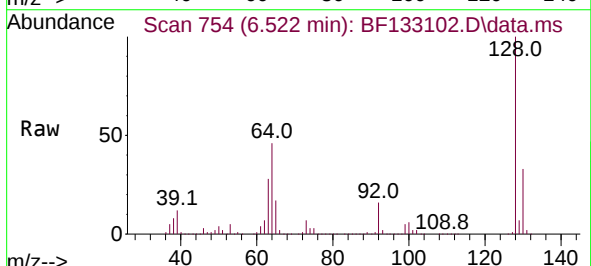
Tgt Ion:128 Resp: 673984

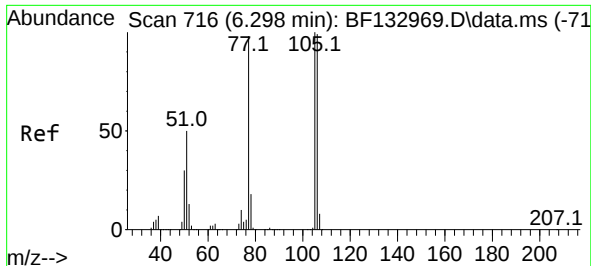
Ion Ratio Lower Upper

128 100

130 33.4 12.2 52.2

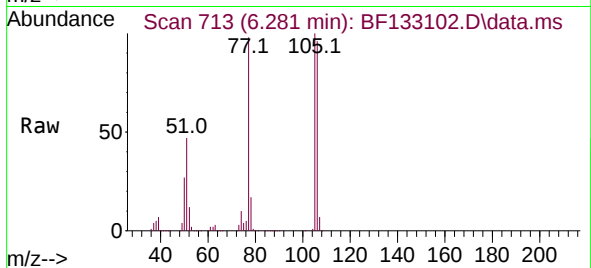
64 46.0 30.3 70.3





#9
Benzaldehyde
Concen: 55.055 ng
RT: 6.281 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF133102.D
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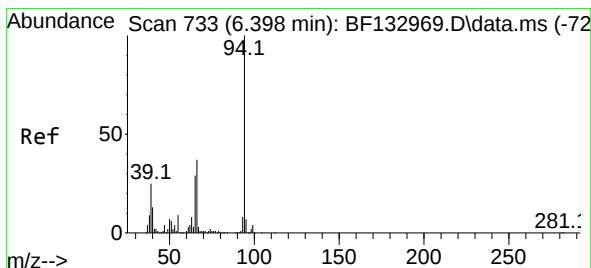
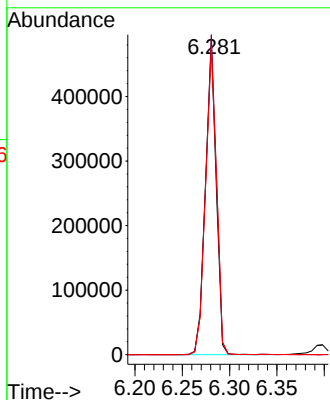
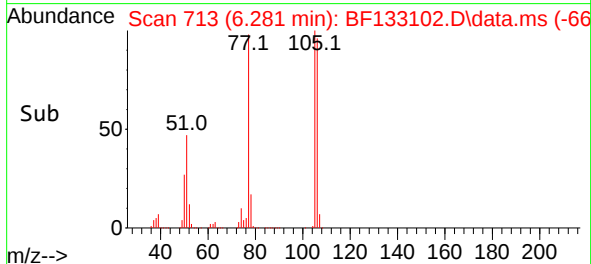
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



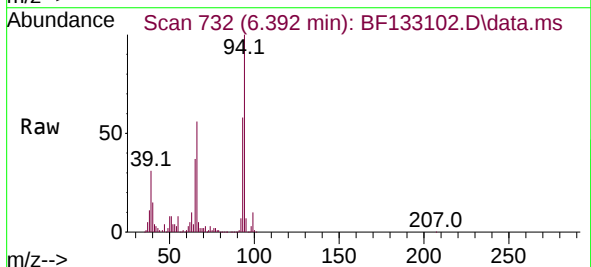
Tgt Ion: 77 Resp: 38180
Ion Ratio Lower Upper
77 100
105 101.8 82.3 122.3
106 98.0 80.8 120.8

Manual Integrations
APPROVED

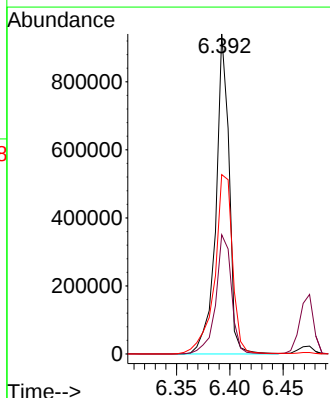
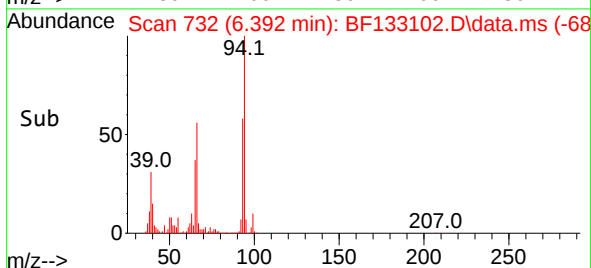
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023

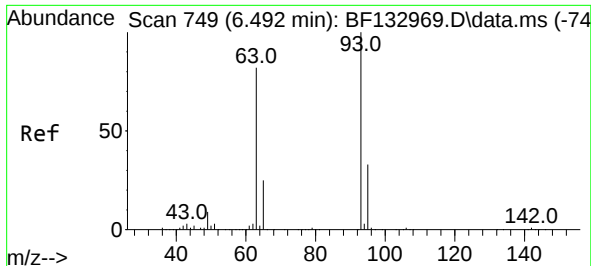


#10
Phenol
Concen: 42.946 ng
RT: 6.392 min Scan# 732
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22



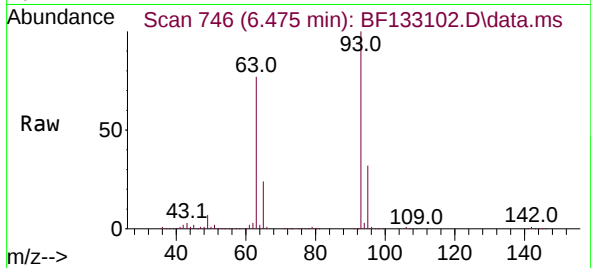
Tgt Ion: 94 Resp: 808291
Ion Ratio Lower Upper
94 100
65 37.2 8.6 48.6
66 56.1 17.3 57.3





#11
bis(2-Chloroethyl)ether
Concen: 44.782 ng
RT: 6.475 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

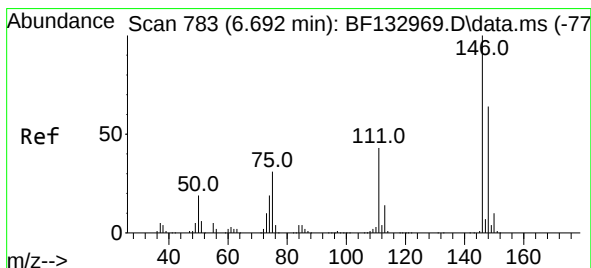
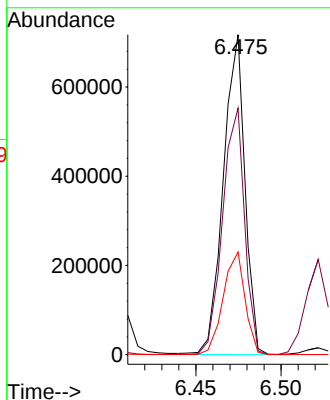
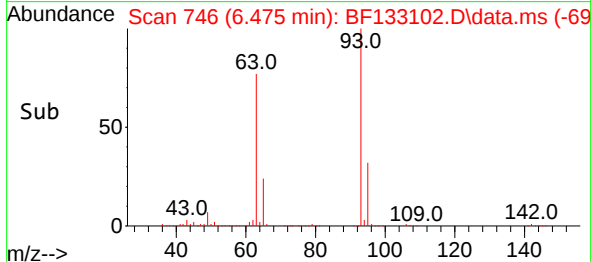
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



Tgt Ion: 93 Resp: 63248
Ion Ratio Lower Upper
93 100
63 77.0 60.6 100.6
95 32.0 12.9 52.9

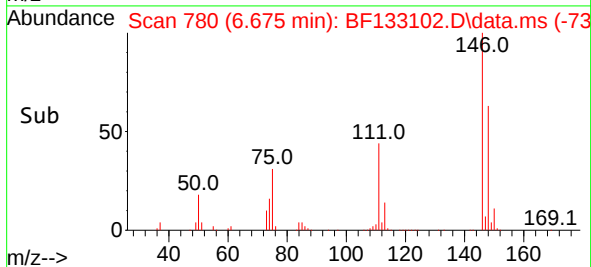
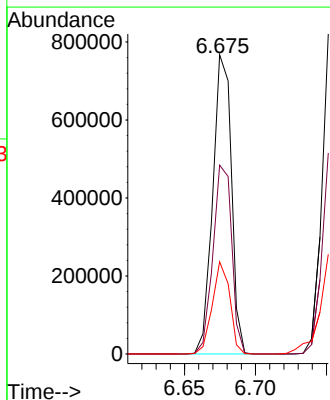
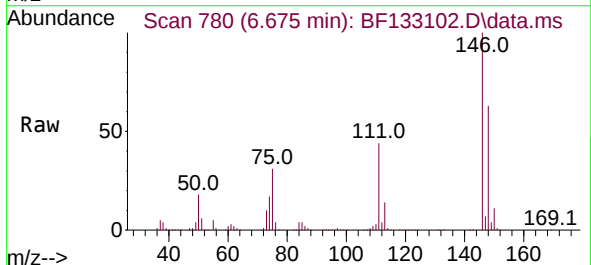
Manual Integrations
APPROVED

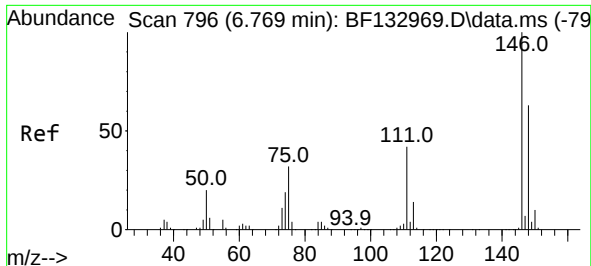
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#12
1,3-Dichlorobenzene
Concen: 46.992 ng
RT: 6.675 min Scan# 780
Delta R.T. -0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

Tgt Ion:146 Resp: 697253
Ion Ratio Lower Upper
146 100
148 63.1 51.0 76.4
75 30.8 24.8 37.2





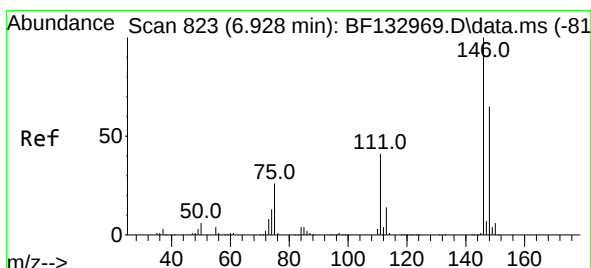
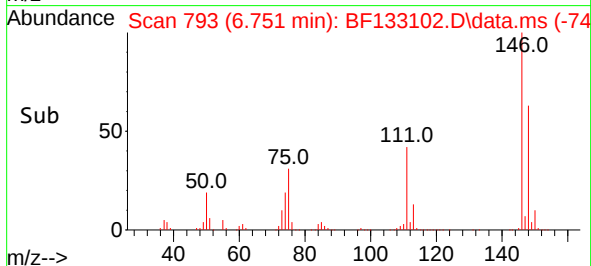
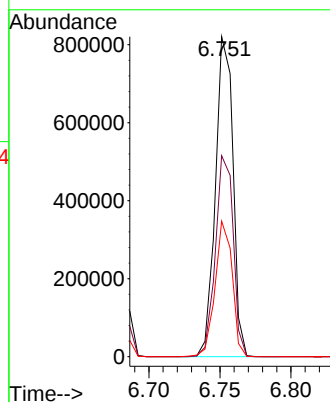
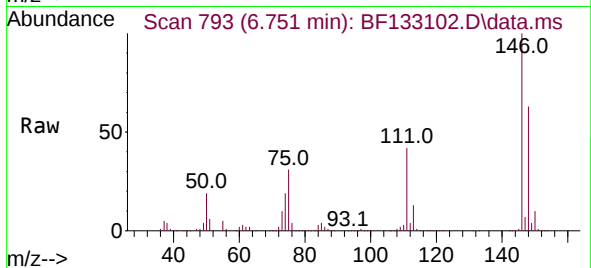
#13
1,4-Dichlorobenzene
Concen: 47.236 ng
RT: 6.751 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD

Tgt Ion:146 Resp: 702429
Ion Ratio Lower Upper
146 100
148 62.8 50.3 75.5
111 42.4 33.8 50.6

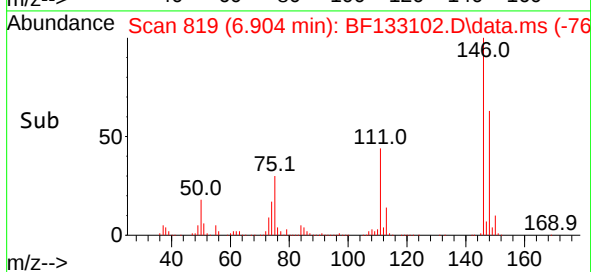
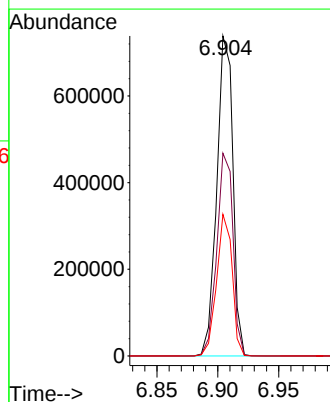
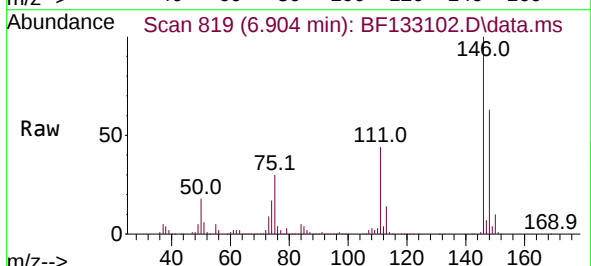
Manual Integrations
APPROVED

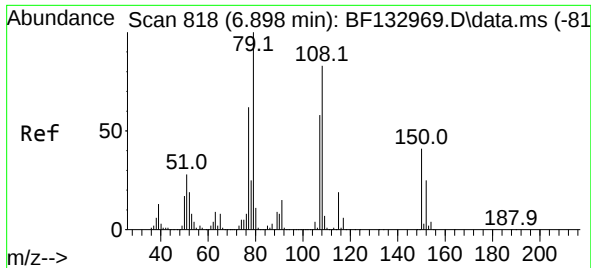
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#14
1,2-Dichlorobenzene
Concen: 49.456 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

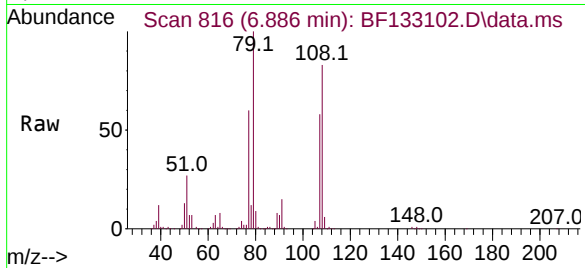
Tgt Ion:146 Resp: 678024
Ion Ratio Lower Upper
146 100
148 63.4 52.2 78.2
111 44.2 32.8 49.2





#15
Benzyl Alcohol
Concen: 45.613 ng
RT: 6.886 min Scan# 818
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

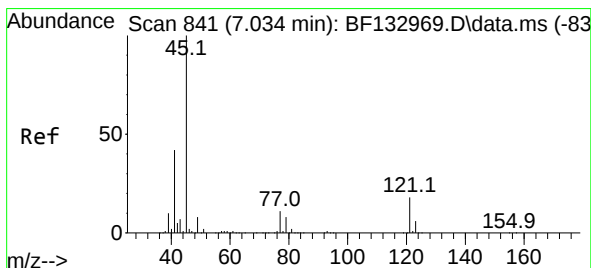
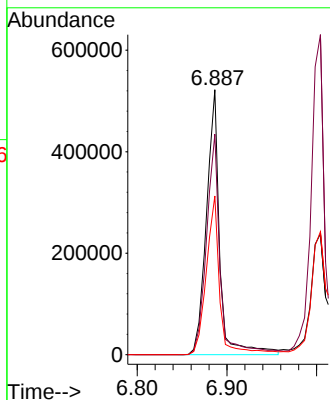
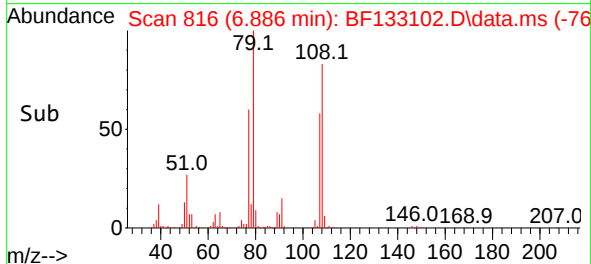
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



Tgt Ion: 79 Resp: 537538
Ion Ratio Lower Upper
79 100
108 83.3 66.6 99.8
77 59.9 49.2 73.8

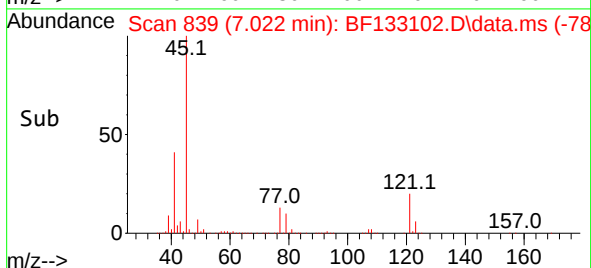
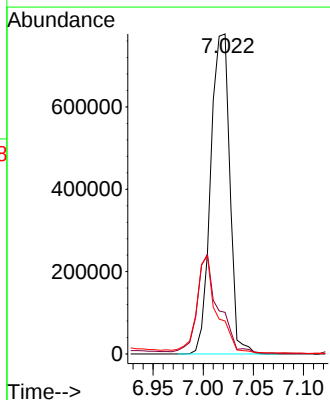
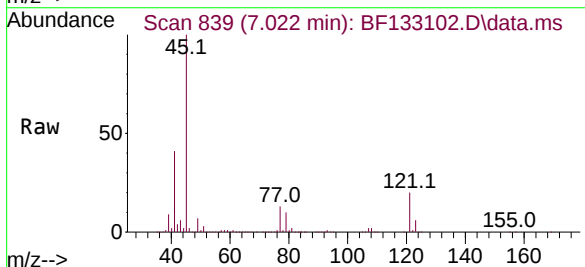
Manual Integrations
APPROVED

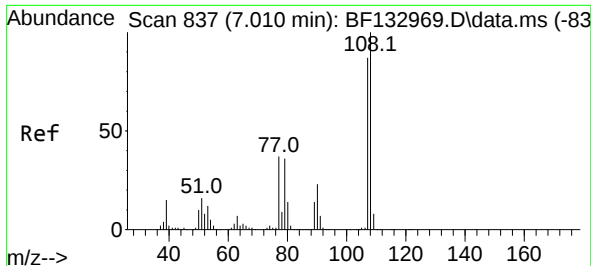
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.908 ng
RT: 7.022 min Scan# 839
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

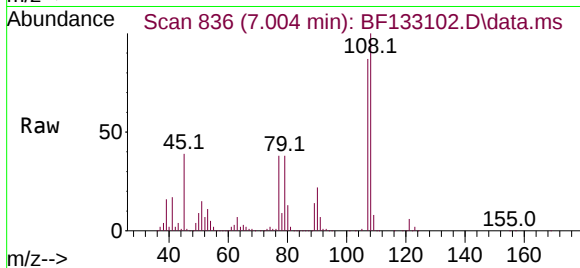
Tgt Ion: 45 Resp: 1028022
Ion Ratio Lower Upper
45 100
77 13.0 0.0 31.5
79 10.3 0.0 28.7





#17
2-Methylphenol
Concen: 45.570 ng
RT: 7.004 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

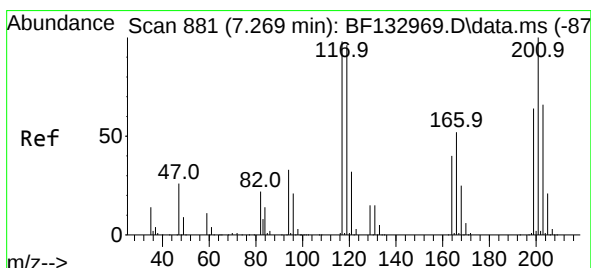
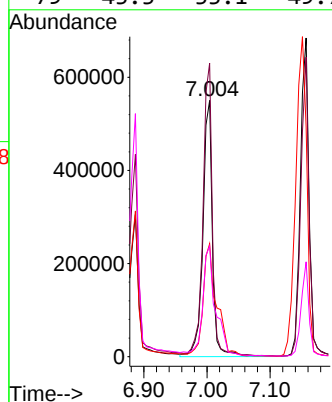
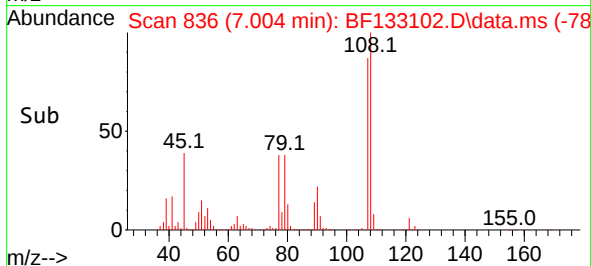
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



Tgt Ion:107 Resp: 58234
Ion Ratio Lower Upper
107 100
108 114.6 92.4 138.6
77 44.1 33.8 50.8
79 43.3 33.1 49.7

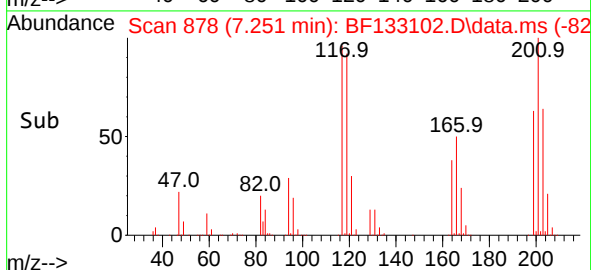
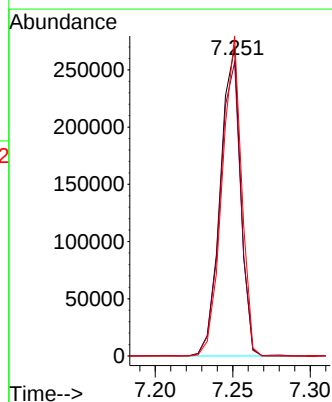
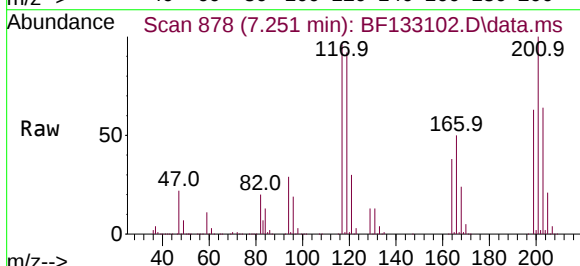
Manual Integrations
APPROVED

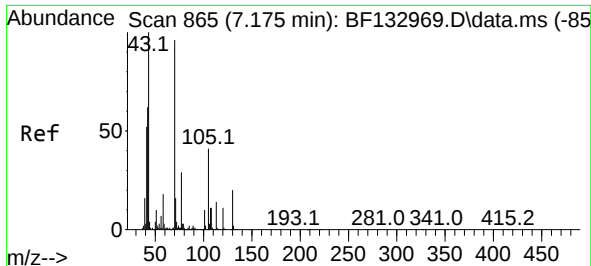
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#18
Hexachloroethane
Concen: 47.522 ng
RT: 7.251 min Scan# 878
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

Tgt Ion:117 Resp: 245687
Ion Ratio Lower Upper
117 100
119 95.3 78.2 117.4
201 103.9 81.7 122.5





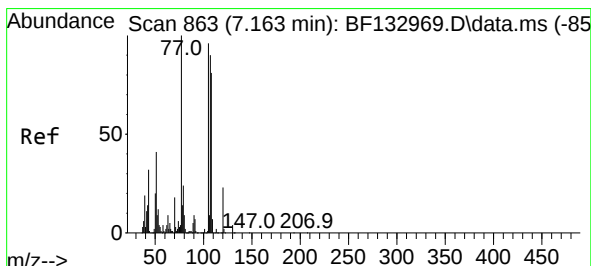
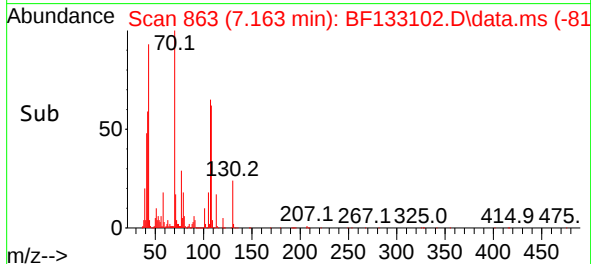
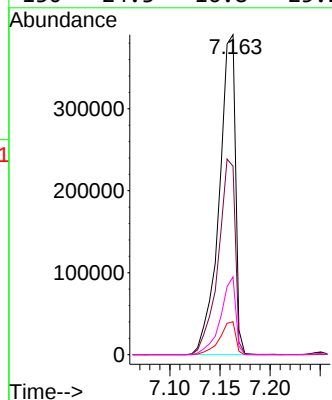
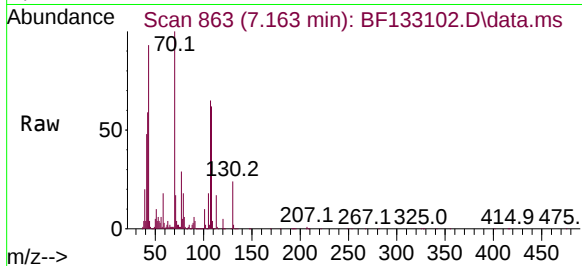
#19
n-Nitroso-di-n-propylamine
Concen: 41.624 ng
RT: 7.163 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD

Tgt Ion: 70 Resp: 442090
Ion Ratio Lower Upper
70 100
42 58.9 51.8 77.6
101 10.3 8.0 12.0
130 24.3 16.8 25.2

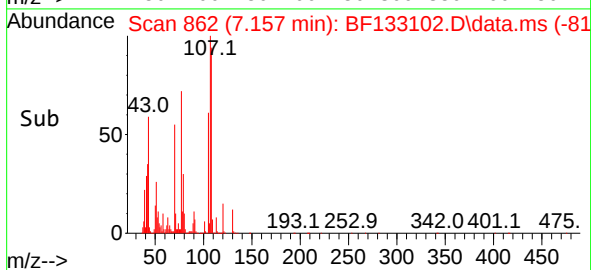
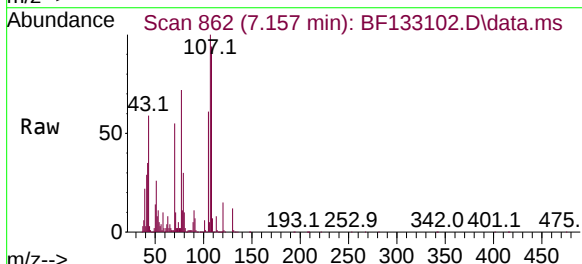
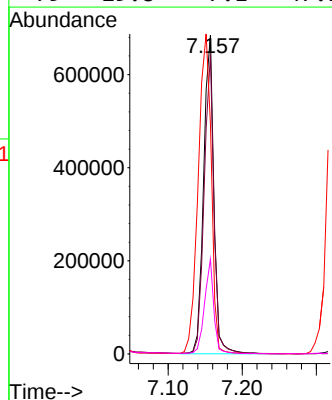
Manual Integrations
APPROVED

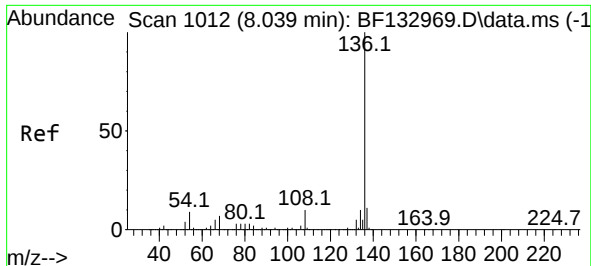
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#20
3+4-Methylphenols
Concen: 43.776 ng
RT: 7.157 min Scan# 862
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

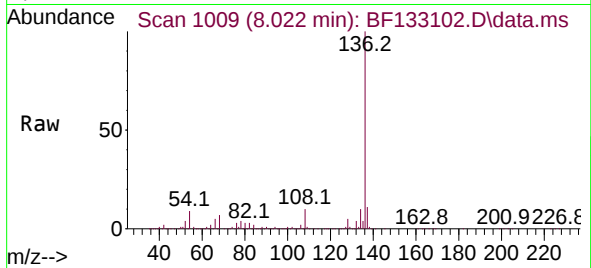
Tgt Ion:107 Resp: 658805
Ion Ratio Lower Upper
107 100
108 94.0 70.5 110.5
77 72.1 91.7 131.7#
79 29.8 7.1 47.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

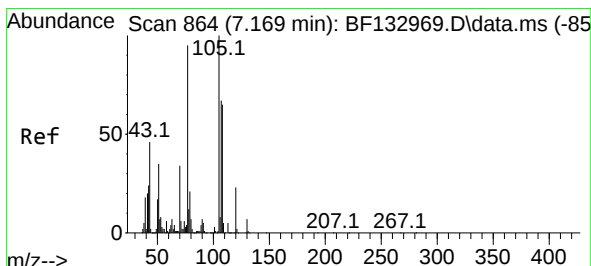
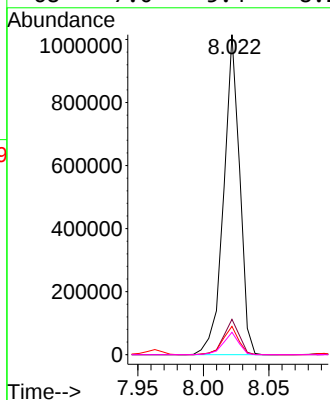
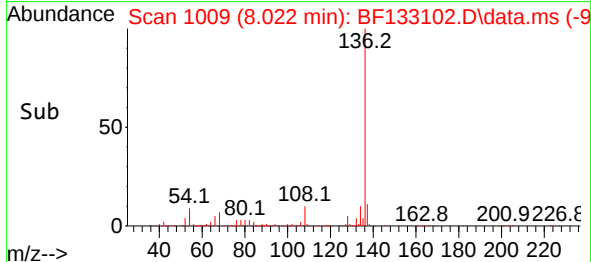
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



Tgt Ion:136 Resp: 85835
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.9 7.0 10.4
68 7.0 5.4 8.2

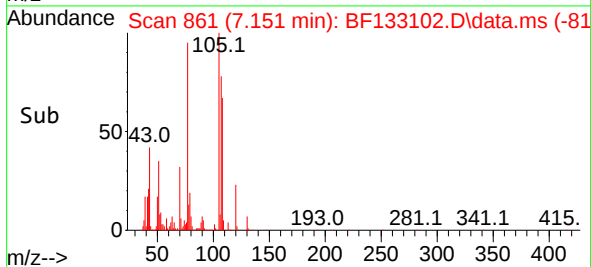
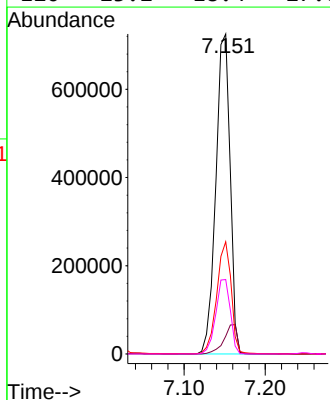
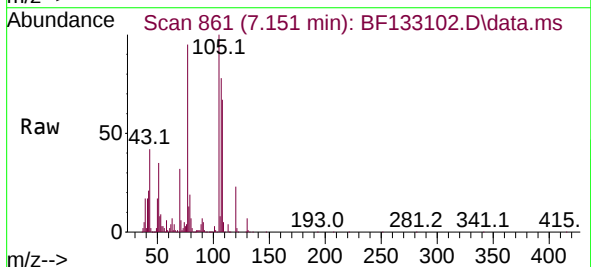
Manual Integrations
APPROVED

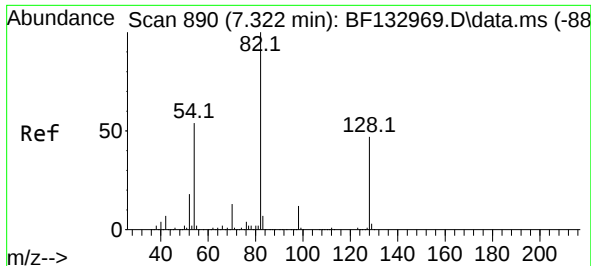
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#22
Acetophenone
Concen: 44.771 ng
RT: 7.151 min Scan# 861
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

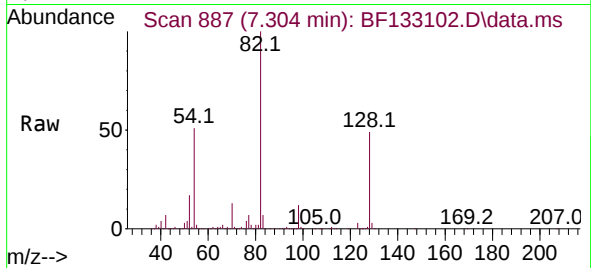
Tgt Ion:105 Resp: 890205
Ion Ratio Lower Upper
105 100
71 5.6 4.6 7.0
51 35.0 28.2 42.2
120 23.2 18.4 27.6





#23
Nitrobenzene-d5
Concen: 52.671 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

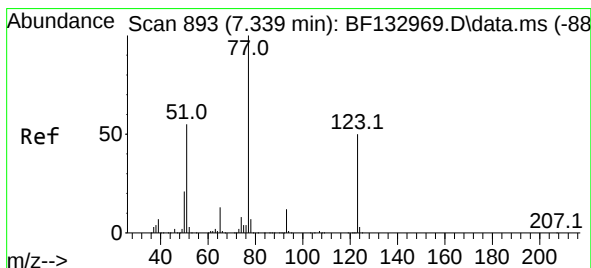
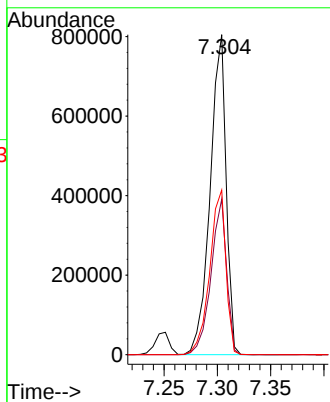
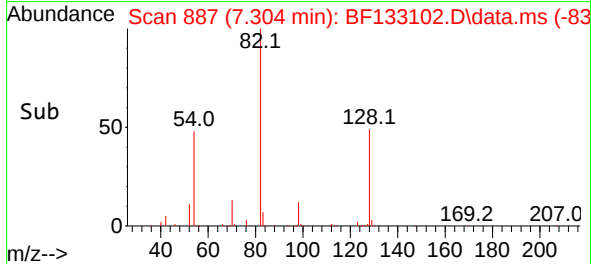
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



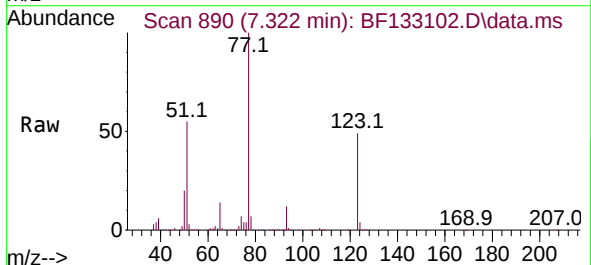
Tgt Ion: 82 Resp: 83758
Ion Ratio Lower Upper
82 100
128 48.6 37.7 56.5
54 51.5 43.0 64.4

Manual Integrations
APPROVED

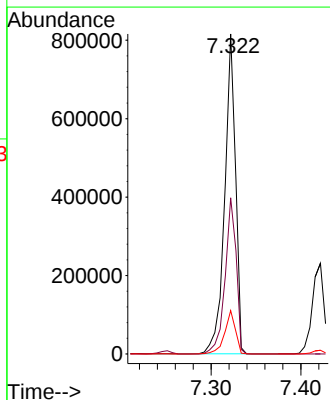
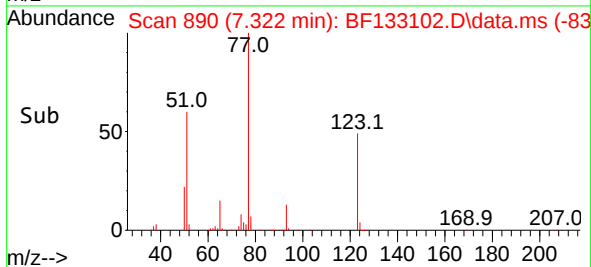
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023

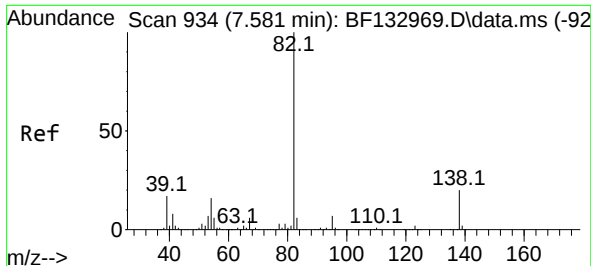


#24
Nitrobenzene
Concen: 42.482 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22



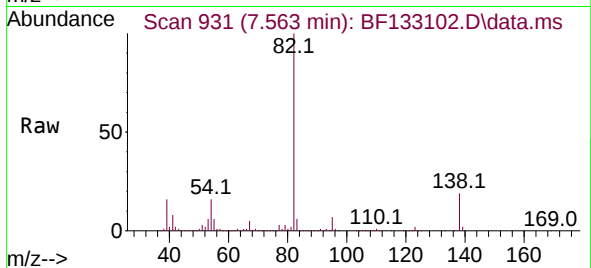
Tgt Ion: 77 Resp: 684566
Ion Ratio Lower Upper
77 100
123 48.8 39.9 59.9
65 13.5 10.7 16.1





#25
Isophorone
Concen: 43.209 ng
RT: 7.563 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

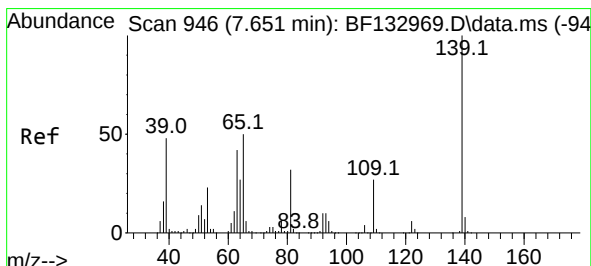
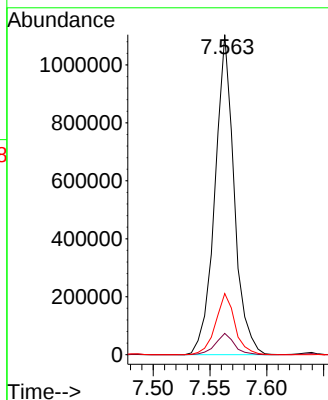
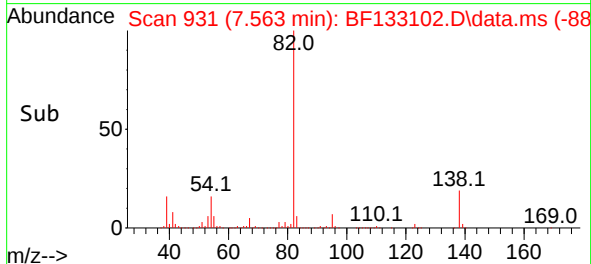
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



Tgt Ion: 82 Resp: 130459
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.0
138 19.1 16.0 24.0

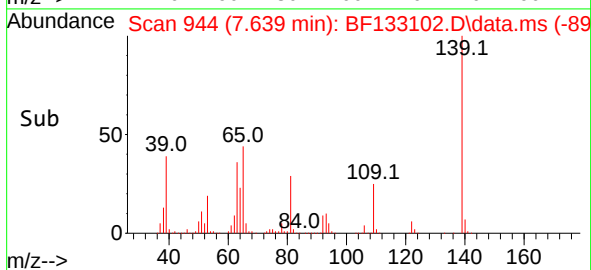
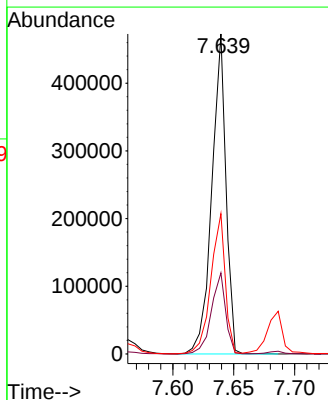
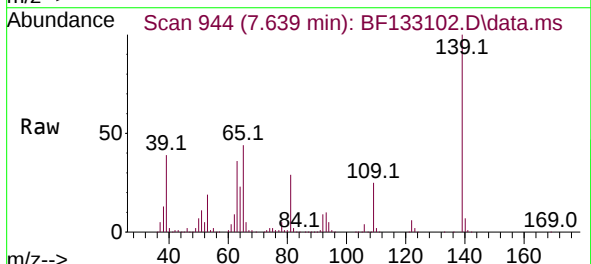
Manual Integrations
APPROVED

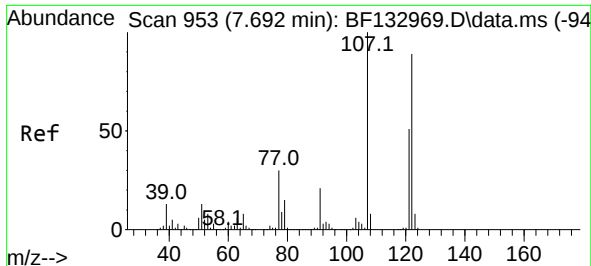
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#26
2-Nitrophenol
Concen: 49.358 ng
RT: 7.639 min Scan# 944
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

Tgt Ion:139 Resp: 383626
Ion Ratio Lower Upper
139 100
109 25.3 21.6 32.4
65 43.9 39.8 59.6





#27

2,4-Dimethylphenol

Concen: 46.748 ng

RT: 7.686 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF133102.D

Acq: 27 Apr 2023 16:22

Instrument :

BNA_F

ClientSampleId :

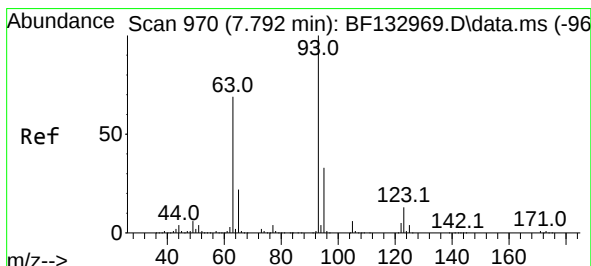
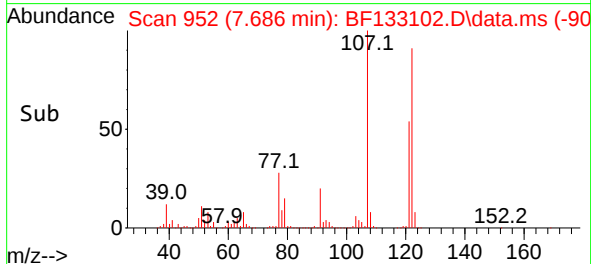
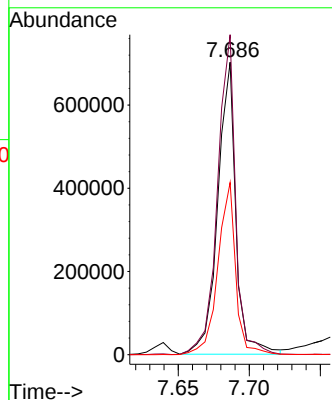
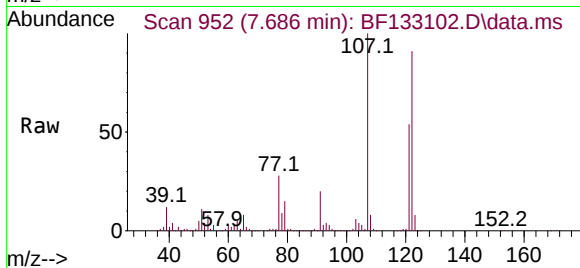
BU-512-COMP-01MSD

Tgt Ion:122 Resp: 623038
 Ion Ratio Lower Upper
 122 100
 107 109.4 89.7 134.5
 121 58.8 46.0 69.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/28/2023
 Supervised By :Jagrut Upadhyay 04/28/2023



#28

bis(2-Chloroethoxy)methane

Concen: 43.760 ng

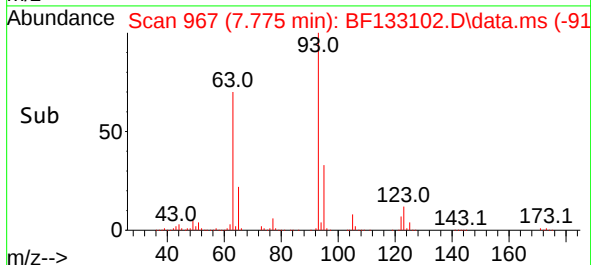
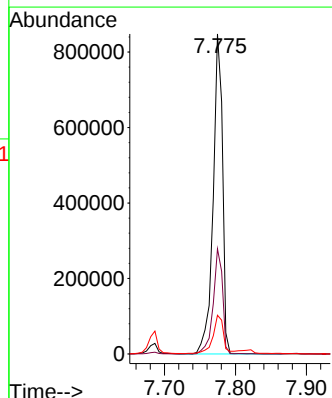
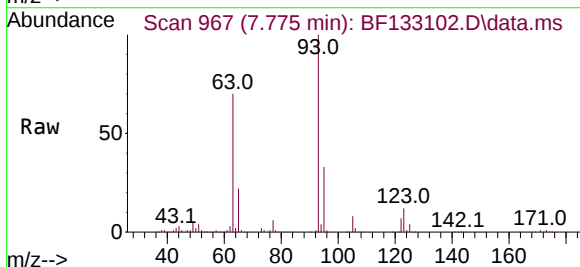
RT: 7.775 min Scan# 967

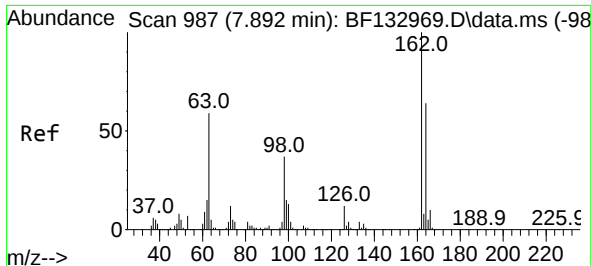
Delta R.T. -0.000 min

Lab File: BF133102.D

Acq: 27 Apr 2023 16:22

Tgt Ion: 93 Resp: 781635
 Ion Ratio Lower Upper
 93 100
 95 32.8 26.4 39.6
 123 12.1 10.3 15.5





#29

2,4-Dichlorophenol

Concen: 46.112 ng

RT: 7.886 min Scan# 990

Delta R.T. -0.000 min

Lab File: BF133102.D

Acq: 27 Apr 2023 16:22

Instrument :

BNA_F

ClientSampleId :

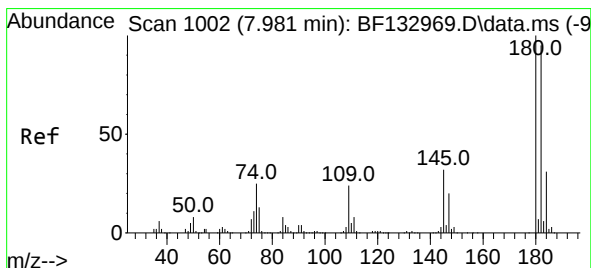
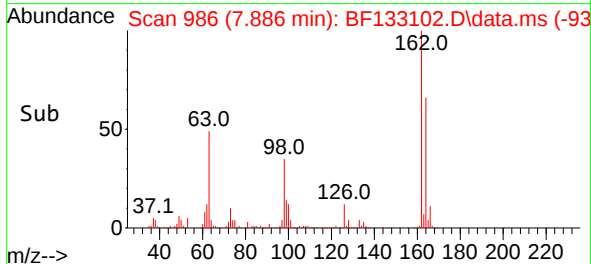
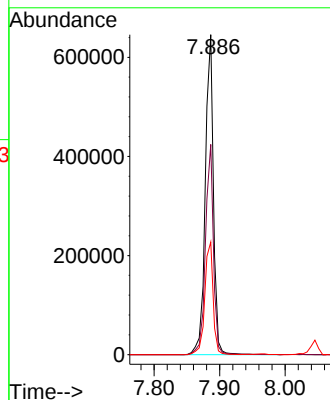
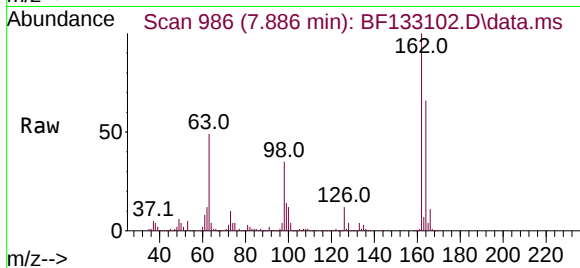
BU-512-COMP-01MSD

Tgt Ion:162 Resp: 55945
 Ion Ratio Lower Upper
 162 100
 164 65.7 43.9 83.9
 98 35.2 17.0 57.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/28/2023
 Supervised By :Jagrut Upadhyay 04/28/2023



#30

1,2,4-Trichlorobenzene

Concen: 46.831 ng

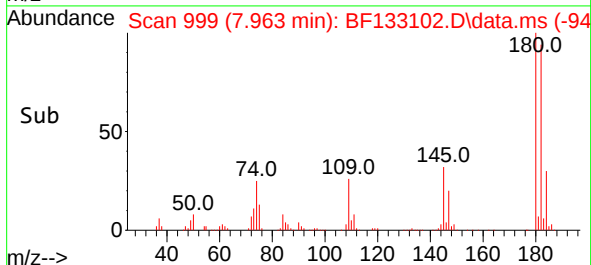
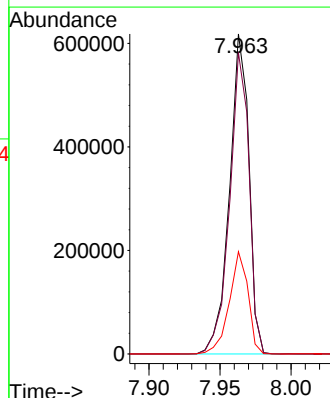
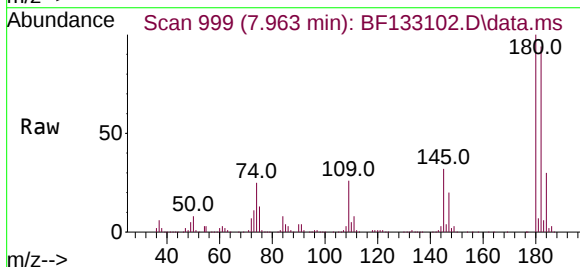
RT: 7.963 min Scan# 999

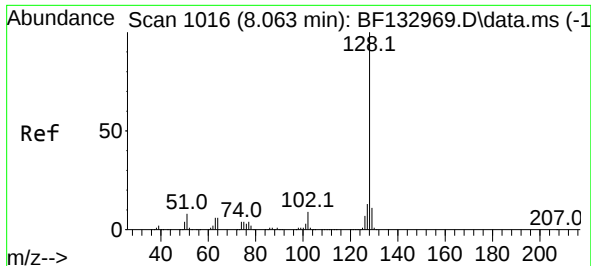
Delta R.T. -0.006 min

Lab File: BF133102.D

Acq: 27 Apr 2023 16:22

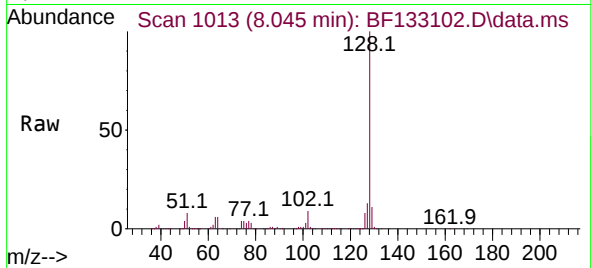
Tgt Ion:180 Resp: 588637
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.9 113.9
 145 31.9 25.3 37.9





#31
Naphthalene
Concen: 43.779 ng
RT: 8.045 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

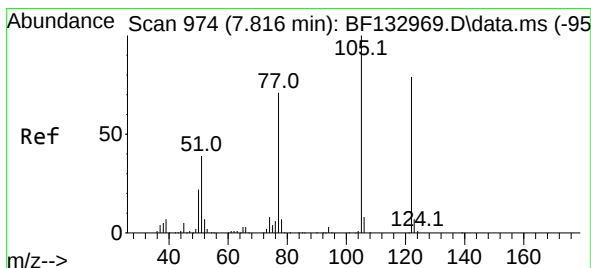
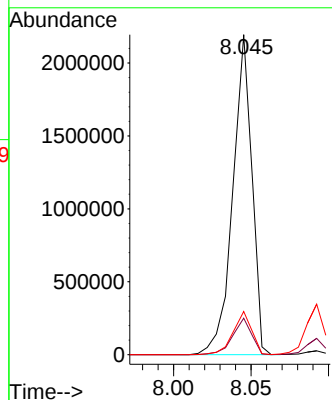
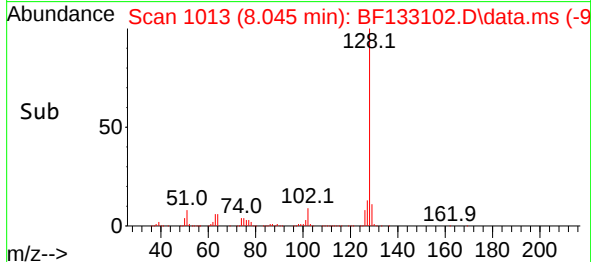
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



Tgt Ion:128 Resp: 1878780
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.5 10.7 16.1

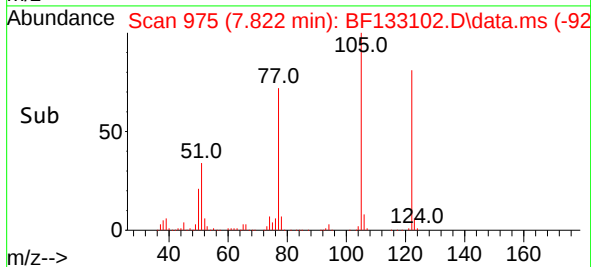
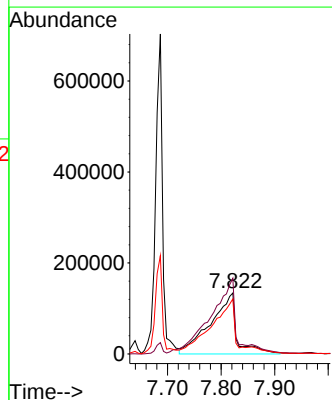
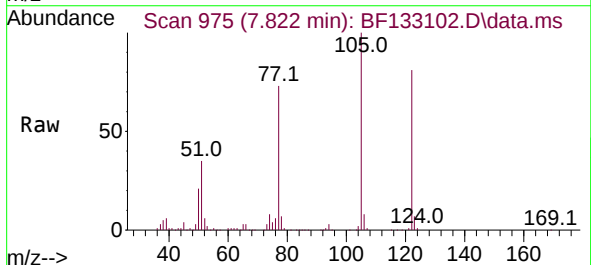
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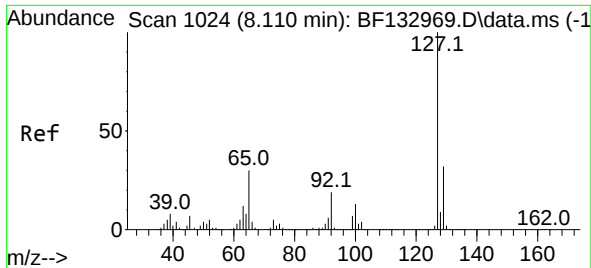
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#32
Benzoic acid
Concen: 55.977 ng m
RT: 7.822 min Scan# 975
Delta R.T. 0.023 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

Tgt Ion:122 Resp: 460817
Ion Ratio Lower Upper
122 100
105 124.2 104.2 144.2
77 90.5 69.7 109.7





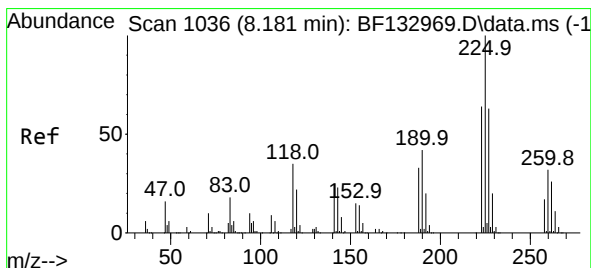
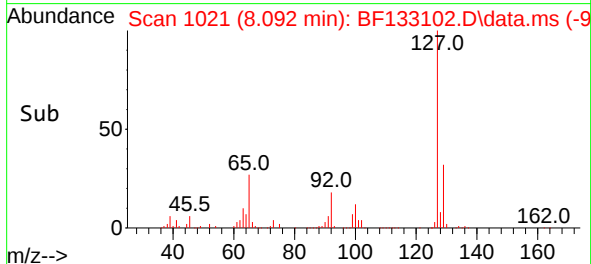
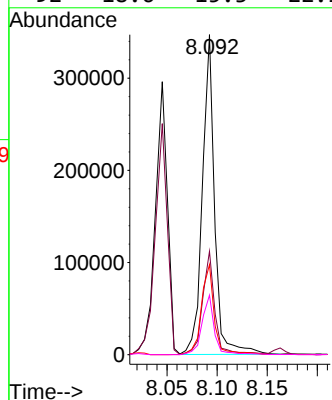
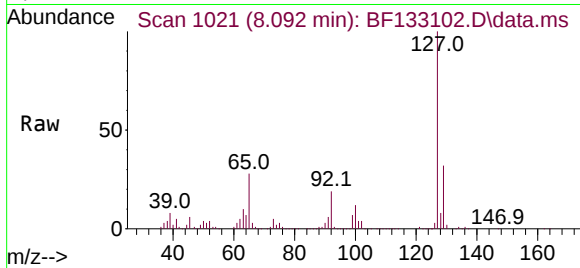
#33
4-Chloroaniline
Concen: 17.104 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD

Tgt Ion:	127	Resp:	29657
Ion Ratio	Lower	Upper	
127	100		
129	32.3	25.8	38.8
65	28.1	23.6	35.4
92	18.6	15.3	22.9

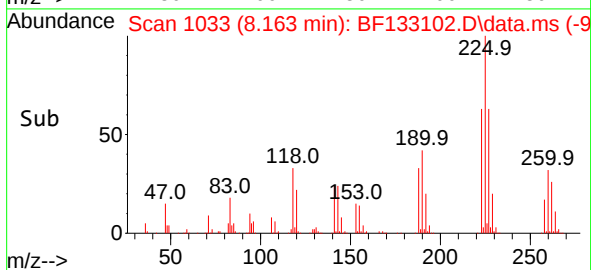
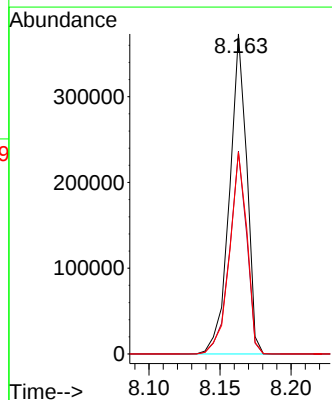
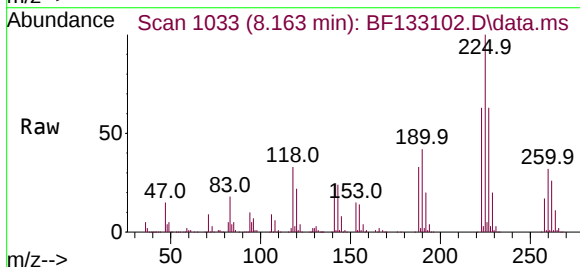
Manual Integrations
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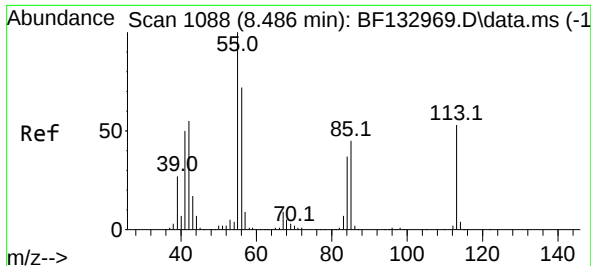
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#34
Hexachlorobutadiene
Concen: 45.094 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

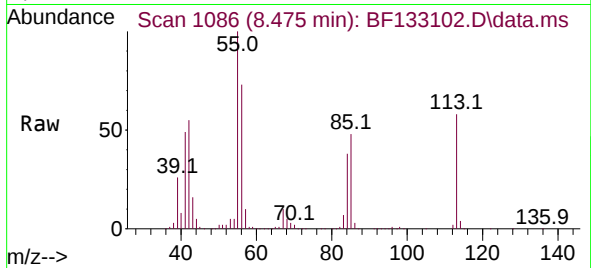
Tgt Ion:	225	Resp:	314142
Ion Ratio	Lower	Upper	
225	100		
223	63.3	50.9	76.3
227	63.0	50.3	75.5





#35
Caprolactam
Concen: 49.713 ng m
RT: 8.475 min Scan# 1104
Delta R.T. 0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

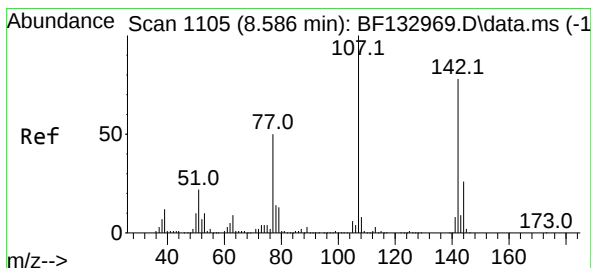
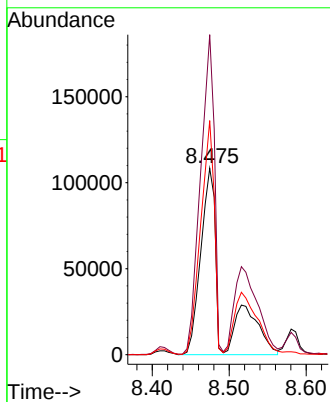
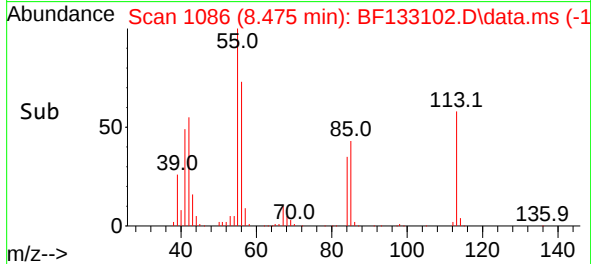
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



Tgt Ion:113 Resp: 202620
Ion Ratio Lower Upper
113 100
55 171.6 167.1 207.1
56 125.6 114.5 154.5

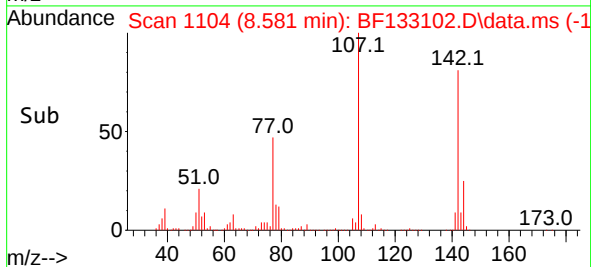
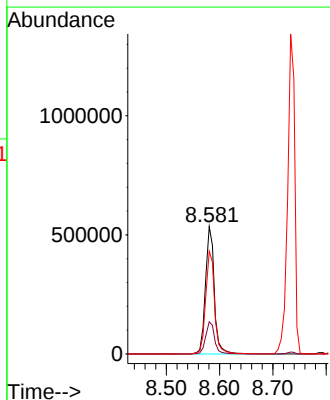
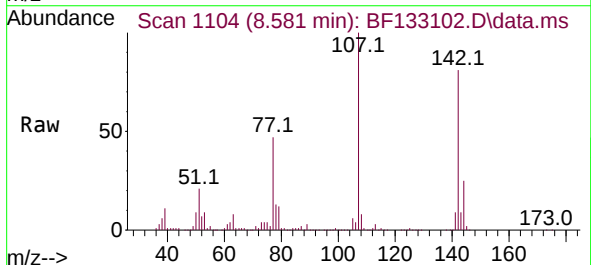
Manual Integrations
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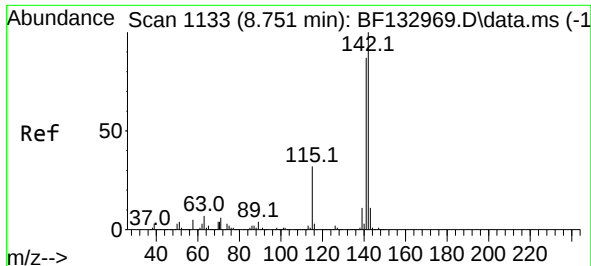
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#36
4-Chloro-3-methylphenol
Concen: 46.813 ng
RT: 8.581 min Scan# 1104
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

Tgt Ion:107 Resp: 612476
Ion Ratio Lower Upper
107 100
144 25.2 20.6 30.8
142 80.5 62.8 94.2





#37

2-Methylnaphthalene

Concen: 42.654 ng

RT: 8.733 min Scan# 1130

Delta R.T. -0.000 min

Lab File: BF133102.D

Acq: 27 Apr 2023 16:22

Instrument :

BNA_F

ClientSampleId :

BU-512-COMP-01MSD

Tgt Ion:142 Resp: 1251458

Ion Ratio Lower Upper

142 100

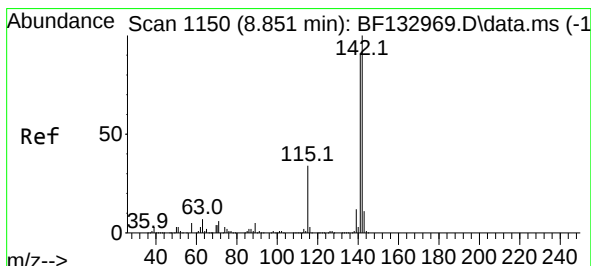
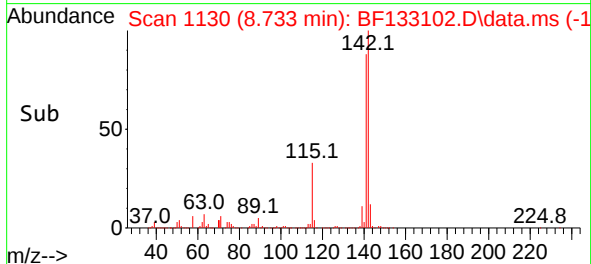
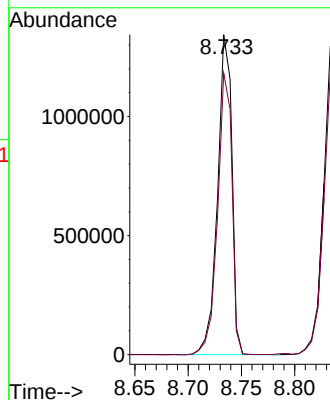
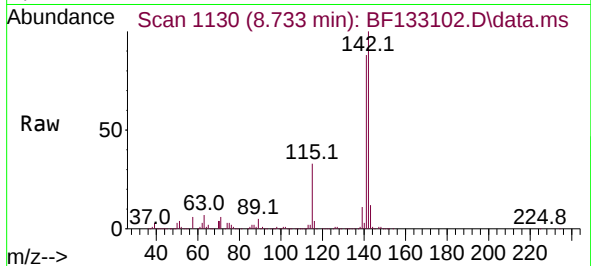
141 88.0 69.4 104.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/28/2023

Supervised By :Jagrut Upadhyay 04/28/2023



#38

1-Methylnaphthalene

Concen: 42.924 ng

RT: 8.833 min Scan# 1147

Delta R.T. -0.000 min

Lab File: BF133102.D

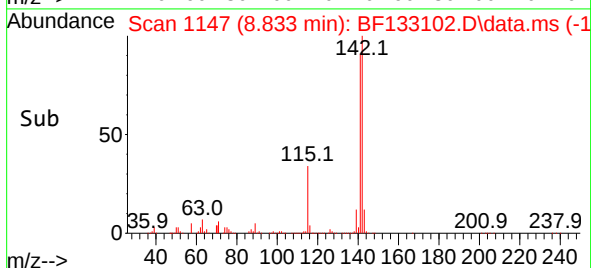
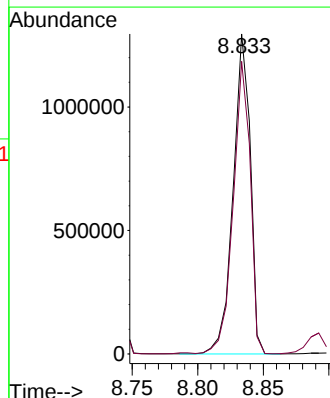
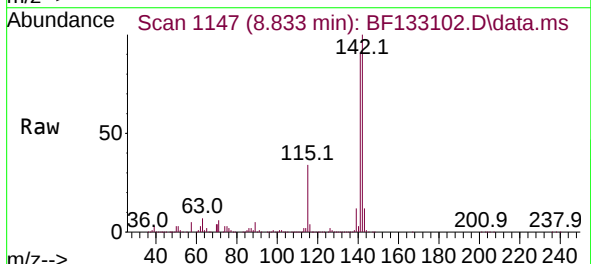
Acq: 27 Apr 2023 16:22

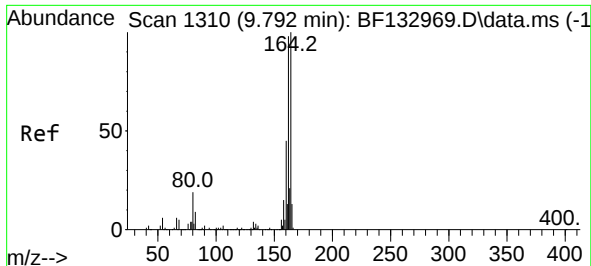
Tgt Ion:142 Resp: 1178147

Ion Ratio Lower Upper

142 100

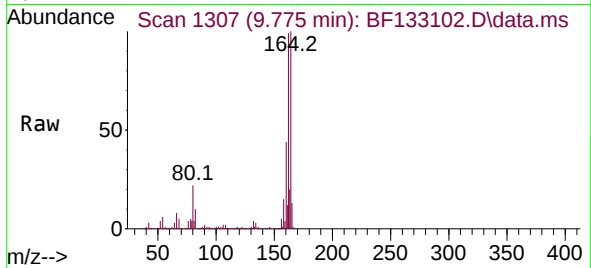
141 91.4 73.1 109.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1159
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

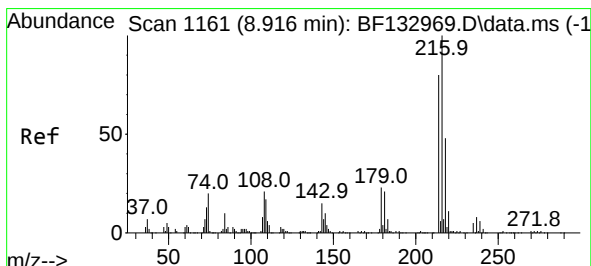
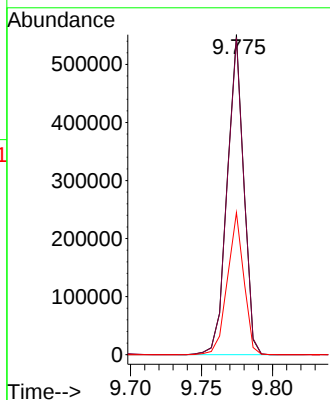
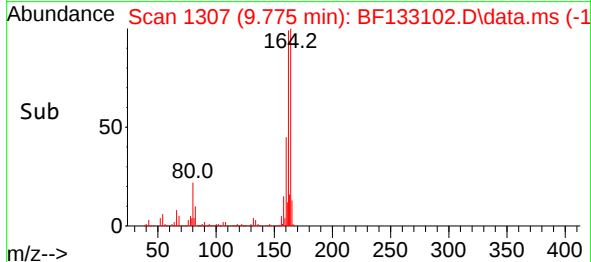
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



Tgt Ion:164 Resp: 445610
Ion Ratio Lower Upper
164 100
162 99.0 78.7 118.1
160 44.4 35.8 53.6

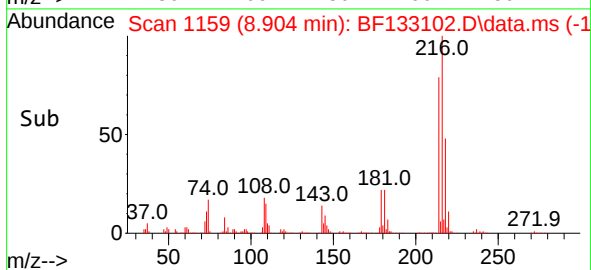
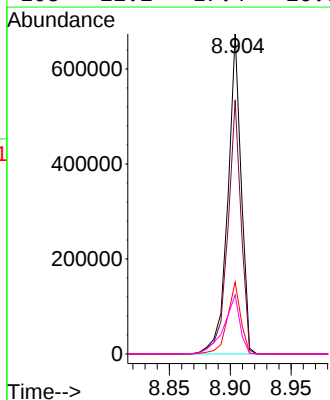
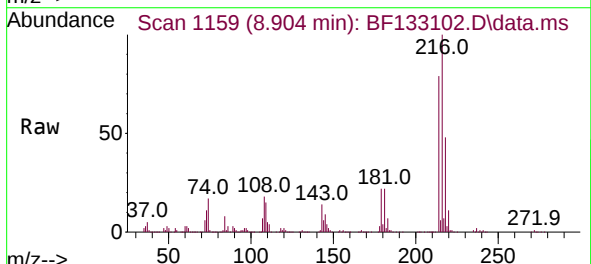
Manual Integrations
APPROVED

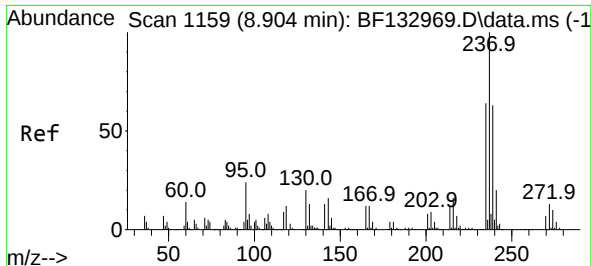
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.887 ng
RT: 8.904 min Scan# 1159
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

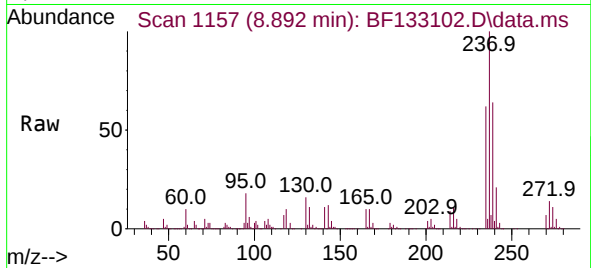
Tgt Ion:216 Resp: 513841
Ion Ratio Lower Upper
216 100
214 78.8 63.5 95.3
179 22.3 17.4 26.2
108 22.2 17.4 26.0





#41
Hexachlorocyclopentadiene
Concen: 95.415 ng
RT: 8.892 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

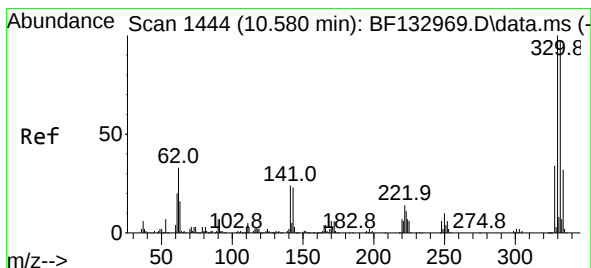
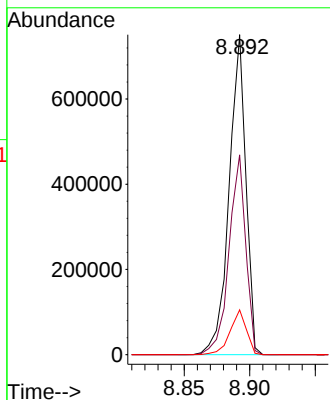
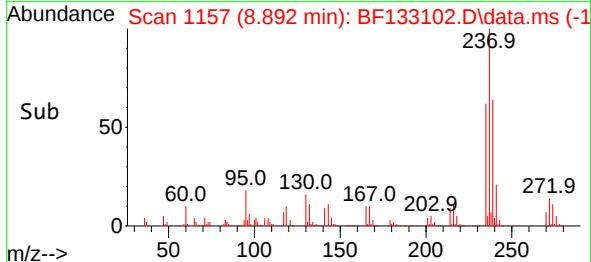
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



Tgt Ion:237 Resp: 66672
Ion Ratio Lower Upper
237 100
235 62.4 43.5 83.5
272 14.0 0.0 32.7

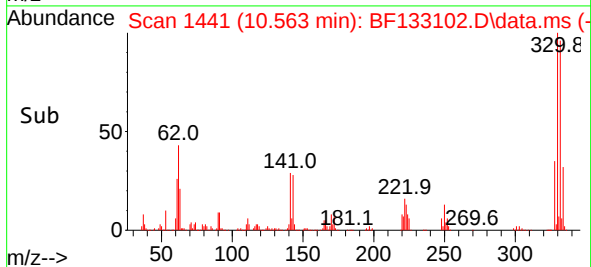
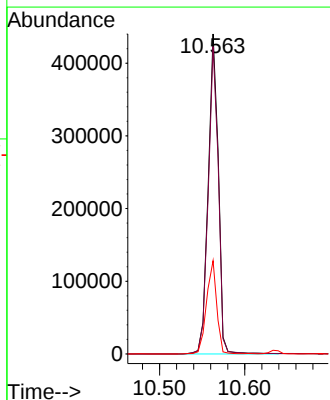
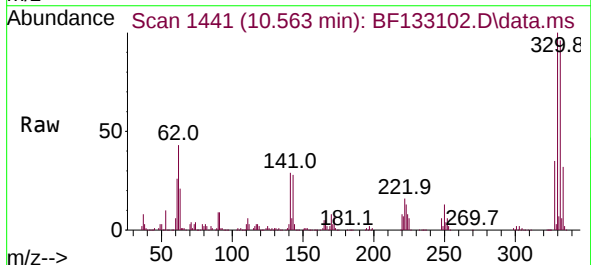
Manual Integrations
APPROVED

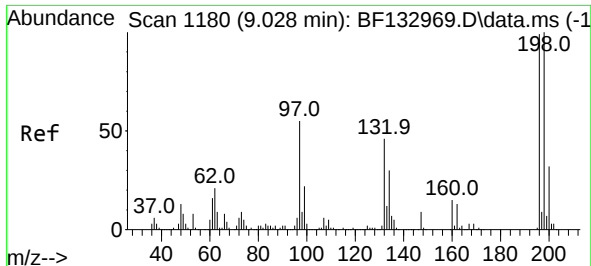
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#42
2,4,6-Tribromophenol
Concen: 81.091 ng
RT: 10.563 min Scan# 1441
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

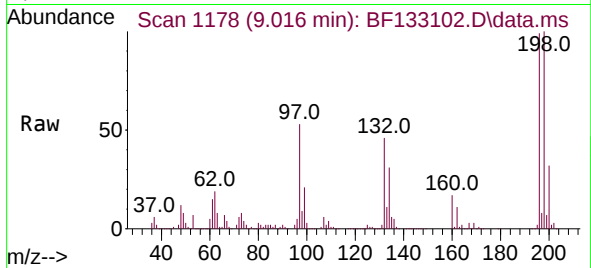
Tgt Ion:330 Resp: 363412
Ion Ratio Lower Upper
330 100
332 96.0 77.1 115.7
141 29.4 25.8 38.8





#43
2,4,6-Trichlorophenol
Concen: 45.386 ng
RT: 9.016 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

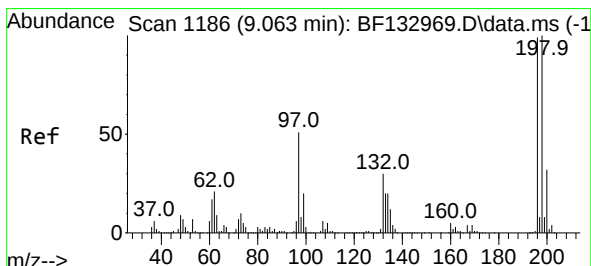
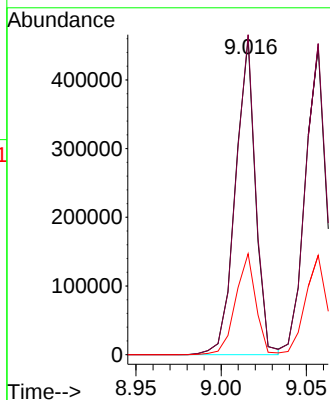
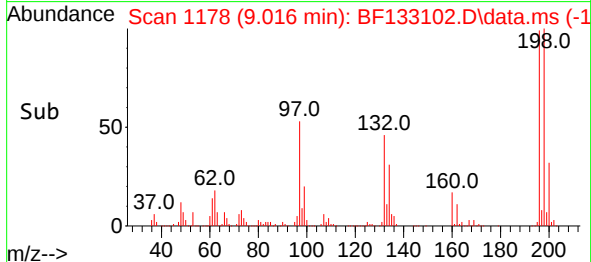
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



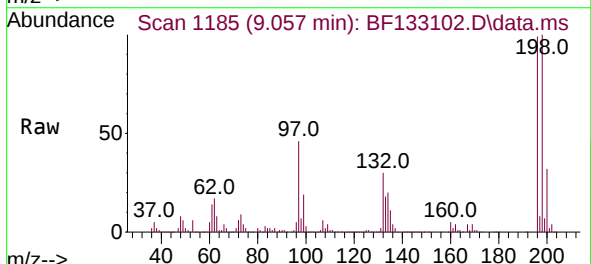
Tgt Ion:196 Resp: 376060
Ion Ratio Lower Upper
196 100
198 101.4 81.0 121.6
200 32.0 26.1 39.1

Manual Integrations
APPROVED

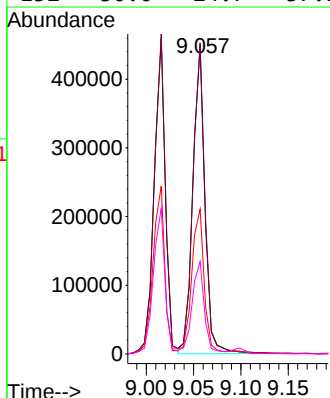
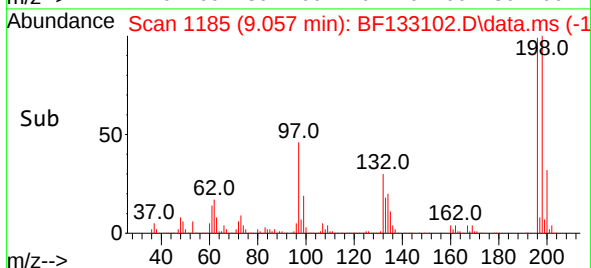
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023

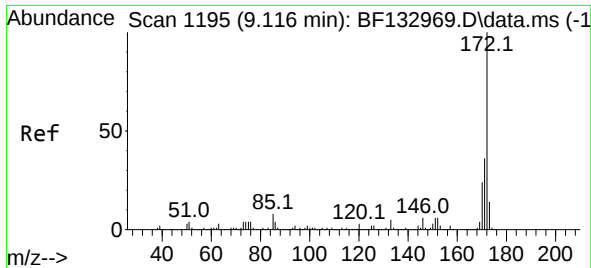


#44
2,4,5-Trichlorophenol
Concen: 41.717 ng
RT: 9.057 min Scan# 1185
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22



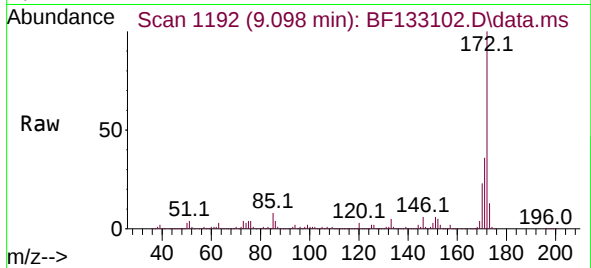
Tgt Ion:196 Resp: 399767
Ion Ratio Lower Upper
196 100
198 101.2 80.9 121.3
97 47.0 41.3 61.9
132 30.0 24.7 37.1





#45
2-Fluorobiphenyl
Concen: 56.253 ng
RT: 9.098 min Scan# 1195
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

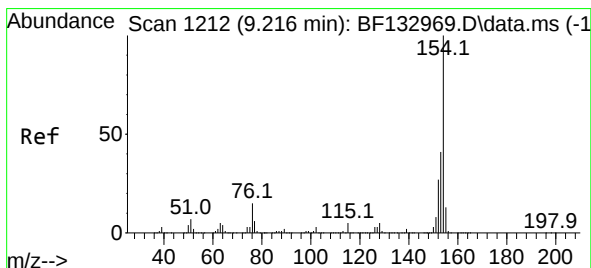
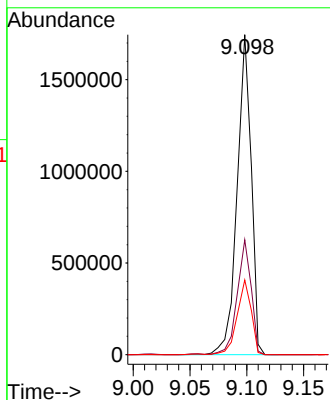
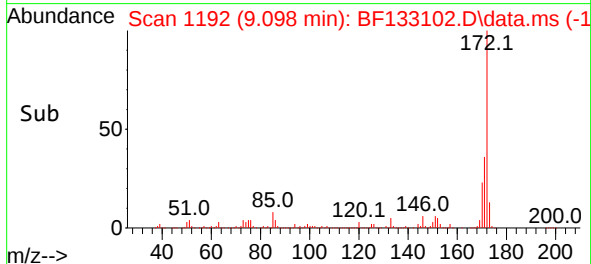
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



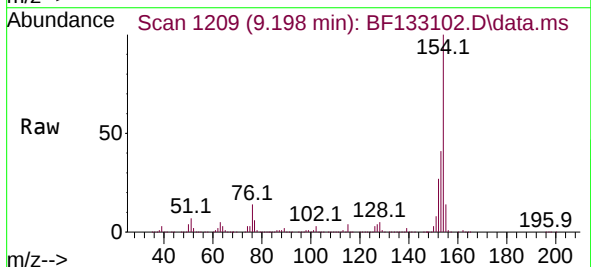
Tgt Ion:172 Resp: 1498340
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.3 19.4 29.2

Manual Integrations
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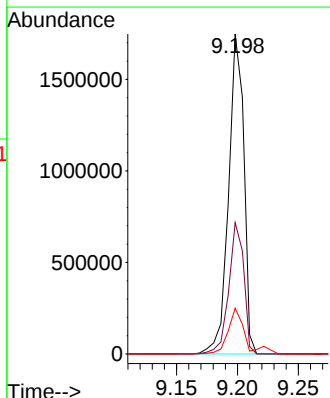
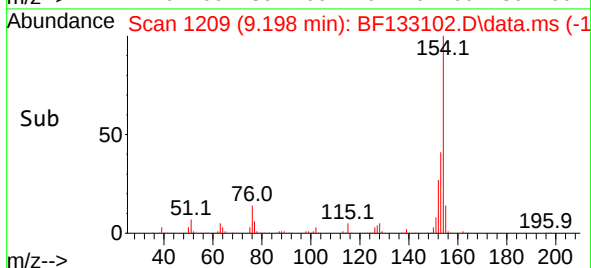
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023

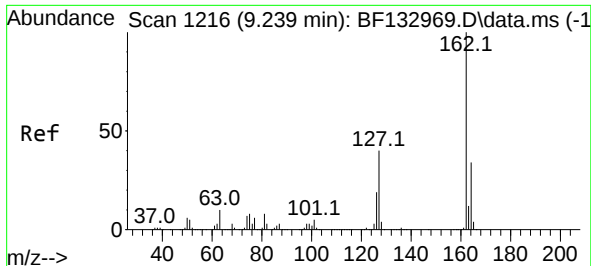


#46
1,1'-Biphenyl
Concen: 43.245 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22



Tgt Ion:154 Resp: 1528067
Ion Ratio Lower Upper
154 100
153 41.0 21.0 61.0
76 14.3 0.0 34.5





#47

2-Chloronaphthalene

Concen: 43.915 ng

RT: 9.222 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF133102.D

Acq: 27 Apr 2023 16:22

Instrument :

BNA_F

ClientSampleId :

BU-512-COMP-01MSD

Tgt Ion:162 Resp: 113579

Ion Ratio Lower Upper

162 100

127 41.9 32.3 48.5

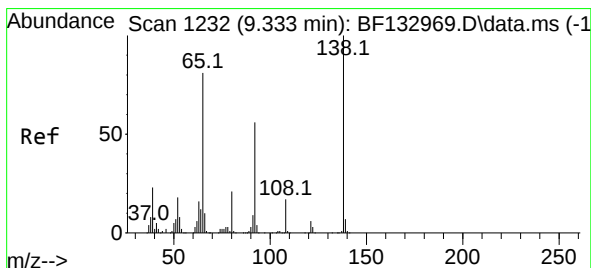
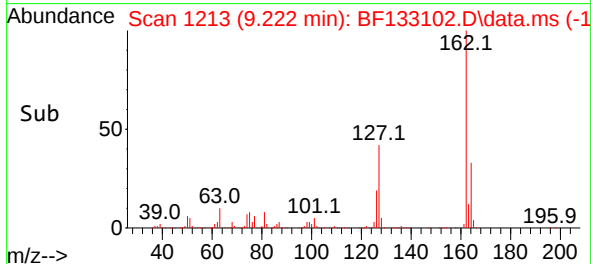
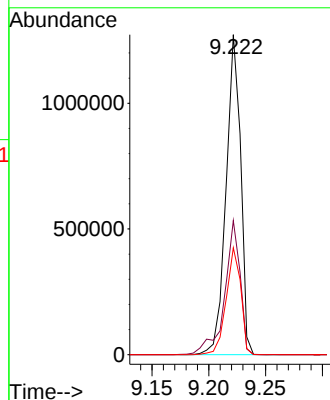
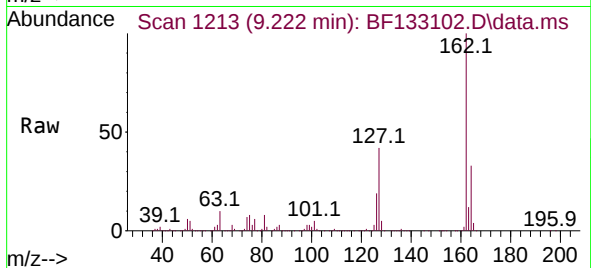
164 33.4 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/28/2023

Supervised By :Jagrut Upadhyay 04/28/2023



#48

2-Nitroaniline

Concen: 42.212 ng

RT: 9.322 min Scan# 1230

Delta R.T. 0.006 min

Lab File: BF133102.D

Acq: 27 Apr 2023 16:22

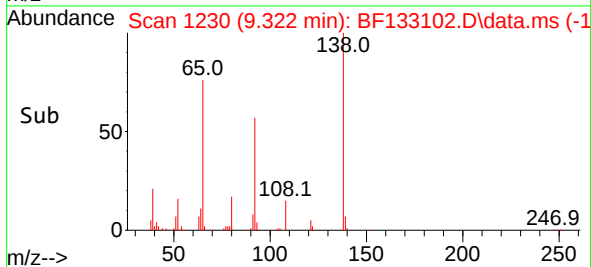
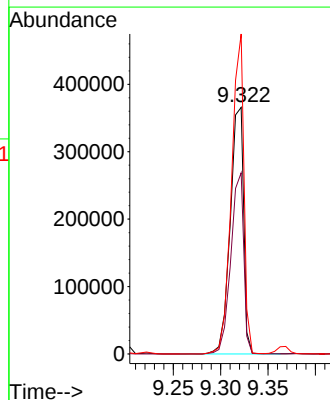
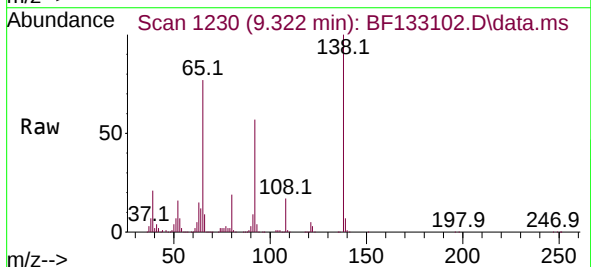
Tgt Ion: 65 Resp: 360814

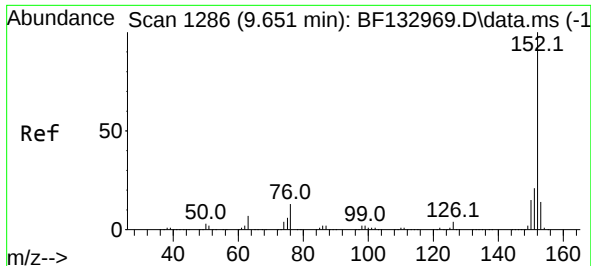
Ion Ratio Lower Upper

65 100

92 73.4 55.4 83.0

138 129.8 98.2 147.2





#49

Acenaphthylene

Concen: 42.672 ng

RT: 9.639 min Scan# 1284

Delta R.T. -0.000 min

Lab File: BF133102.D

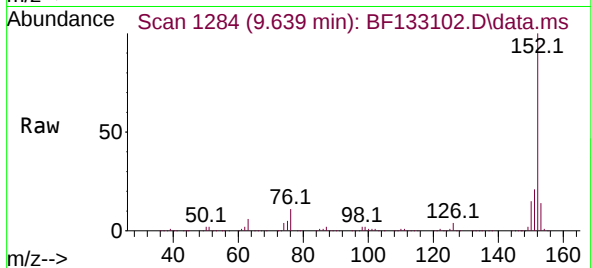
Acq: 27 Apr 2023 16:22

Instrument :

BNA_F

ClientSampleId :

BU-512-COMP-01MSD



Tgt Ion:152 Resp: 1763440

Ion Ratio Lower Upper

152 100

151 20.5 16.6 24.8

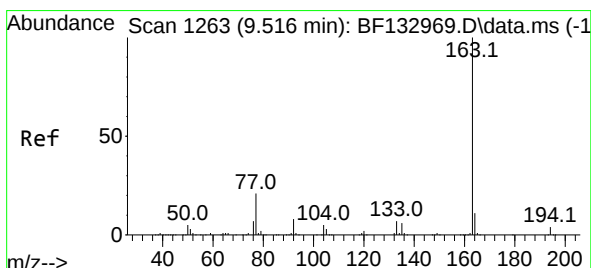
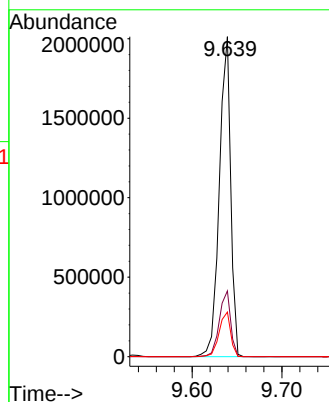
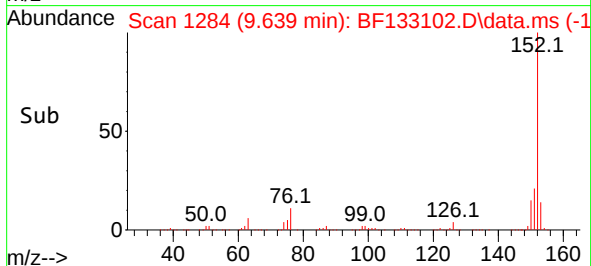
153 14.0 11.5 17.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/28/2023

Supervised By :Jagrut Upadhyay 04/28/2023



#50

Dimethylphthalate

Concen: 43.060 ng

RT: 9.504 min Scan# 1261

Delta R.T. -0.000 min

Lab File: BF133102.D

Acq: 27 Apr 2023 16:22

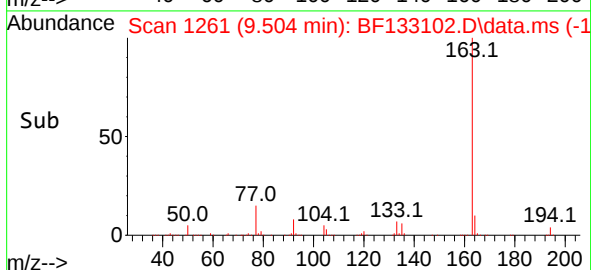
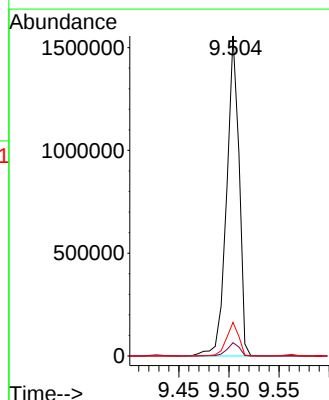
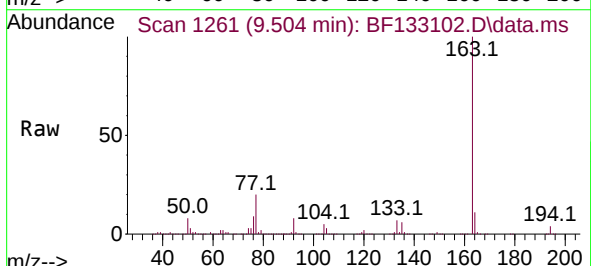
Tgt Ion:163 Resp: 1337949

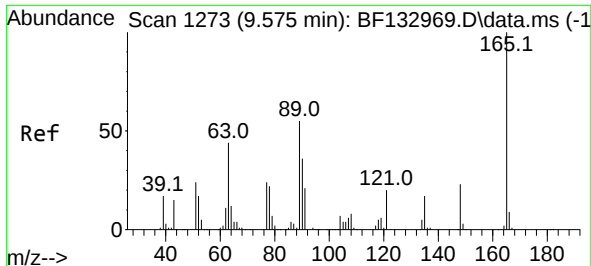
Ion Ratio Lower Upper

163 100

194 4.2 3.1 4.7

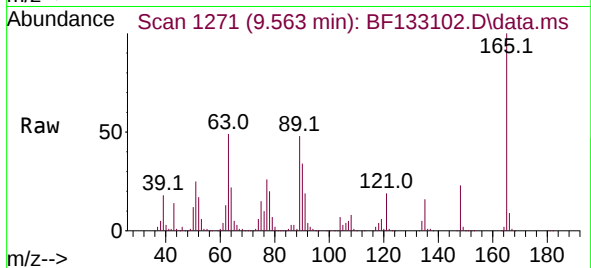
164 10.5 8.5 12.7





#51
2,6-Dinitrotoluene
Concen: 44.538 ng
RT: 9.563 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

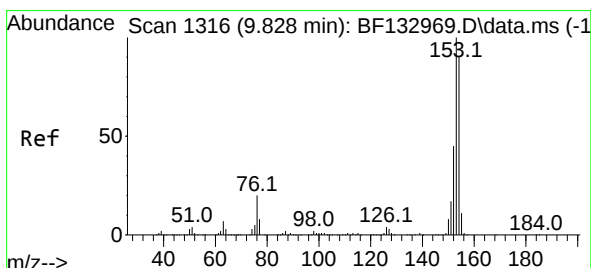
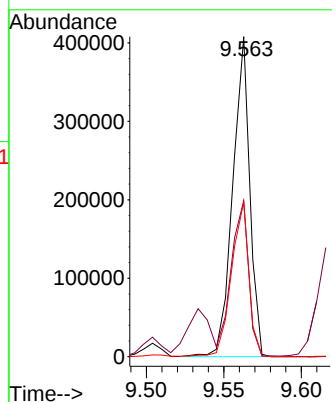
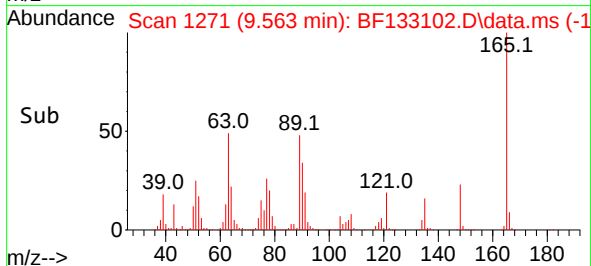
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



Tgt Ion:165 Resp: 311470
Ion Ratio Lower Upper
165 100
63 48.8 45.9 68.9
89 48.3 44.0 66.0

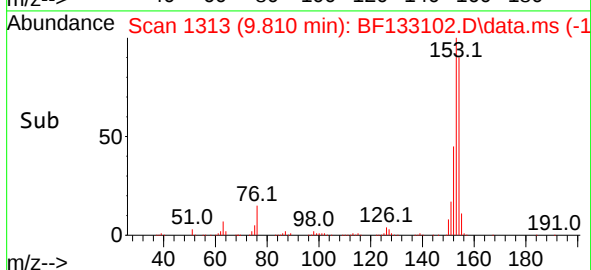
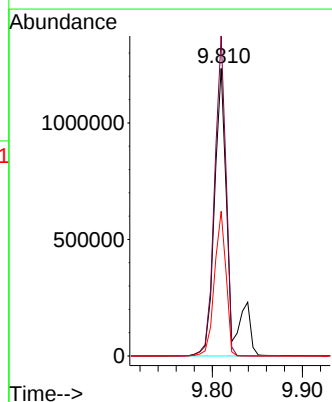
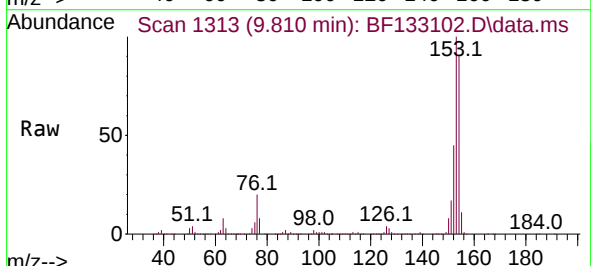
Manual Integrations
APPROVED

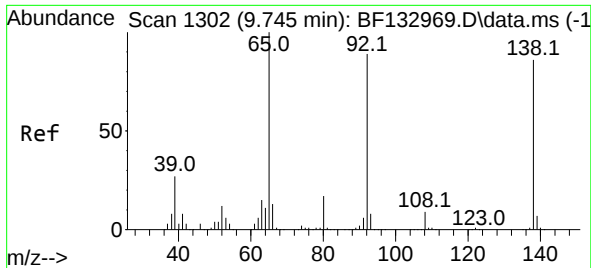
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#52
Acenaphthene
Concen: 46.999 ng m
RT: 9.810 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

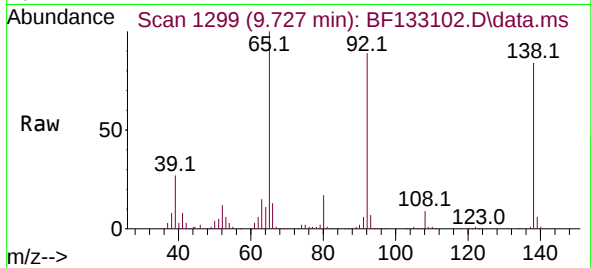
Tgt Ion:154 Resp: 1300840
Ion Ratio Lower Upper
154 100
153 111.3 89.0 133.6
152 50.3 40.4 60.6





#53
3-Nitroaniline
Concen: 28.614 ng
RT: 9.727 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

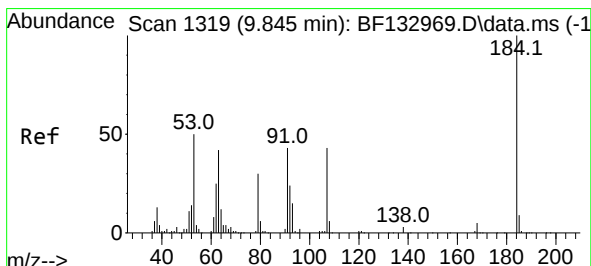
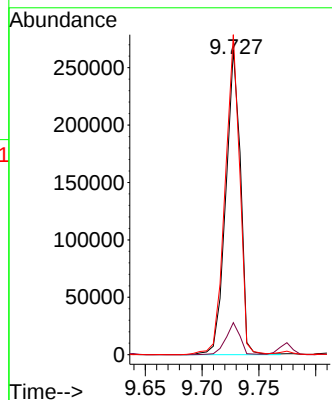
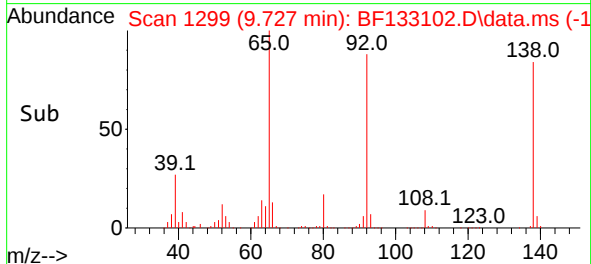
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



Tgt Ion:138 Resp: 237935
Ion Ratio Lower Upper
138 100
108 10.5 8.0 12.0
92 104.9 83.6 125.4

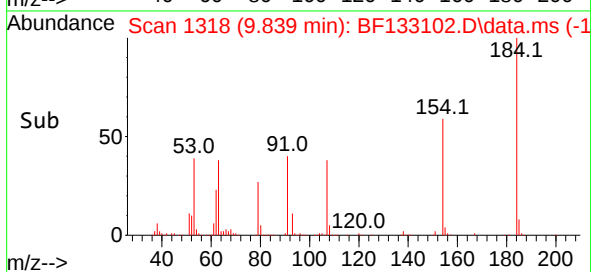
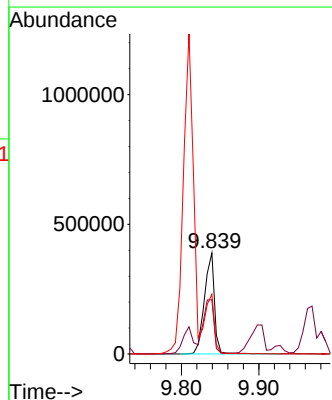
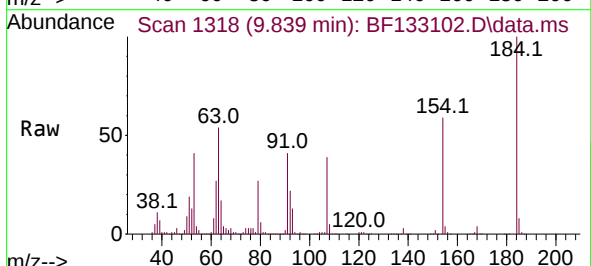
Manual Integrations
APPROVED

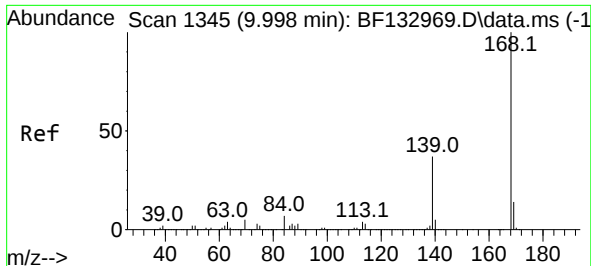
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#54
2,4-Dinitrophenol
Concen: 100.295 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

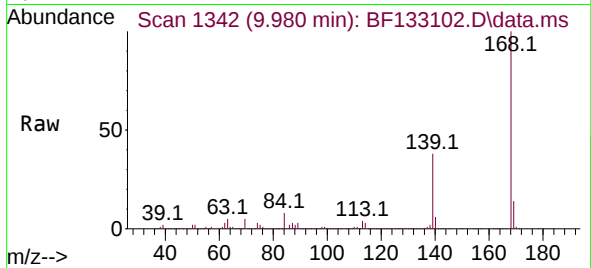
Tgt Ion:184 Resp: 352565
Ion Ratio Lower Upper
184 100
63 53.6 49.8 74.8
154 59.1 49.5 74.3





#55
Dibenzenofuran
Concen: 42.530 ng
RT: 9.980 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

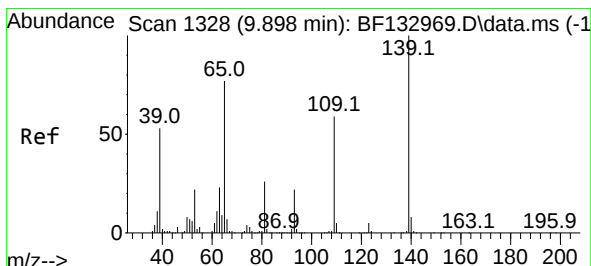
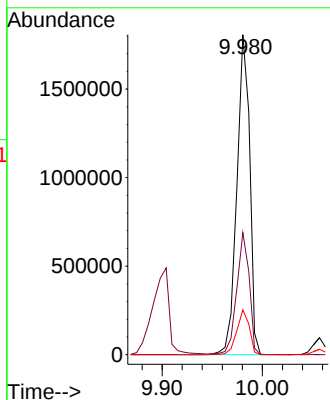
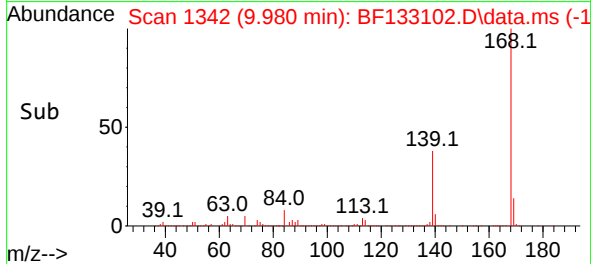
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



Tgt Ion:168 Resp: 1605738
Ion Ratio Lower Upper
168 100
139 38.2 29.8 44.8
169 14.0 10.8 16.2

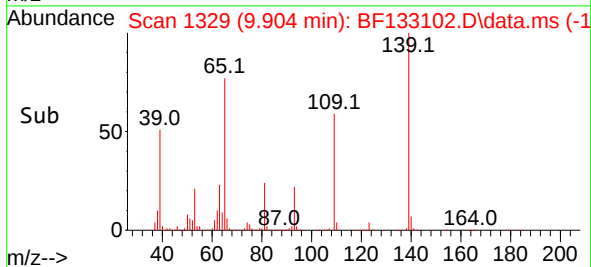
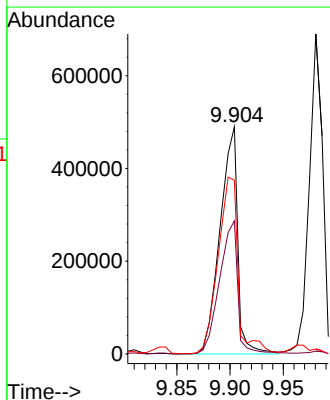
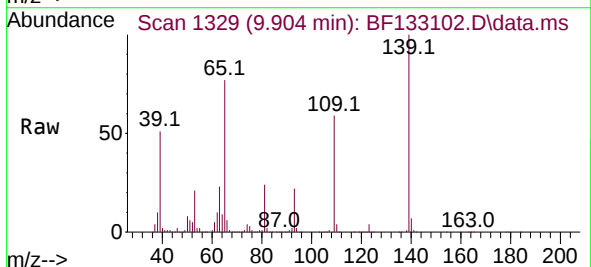
Manual Integrations
APPROVED

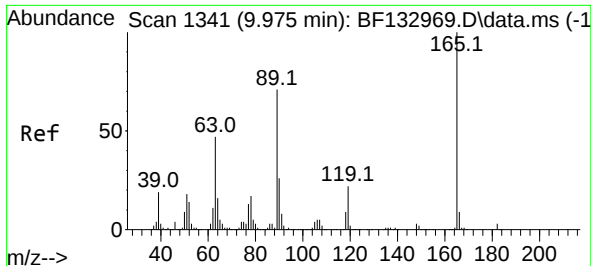
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#56
4-Nitrophenol
Concen: 87.978 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.012 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

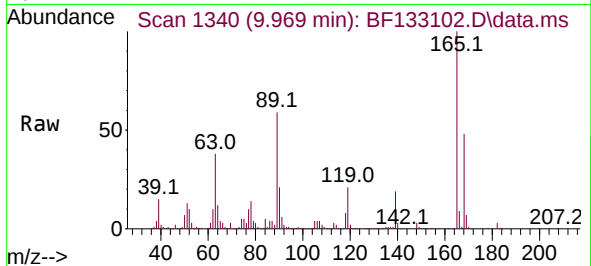
Tgt Ion:139 Resp: 566619
Ion Ratio Lower Upper
139 100
109 58.7 39.4 79.4
65 76.6 57.5 97.5





#57
2,4-Dinitrotoluene
Concen: 45.403 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

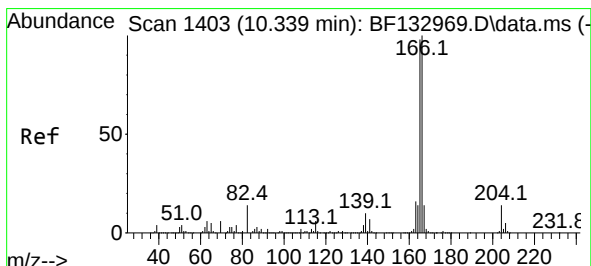
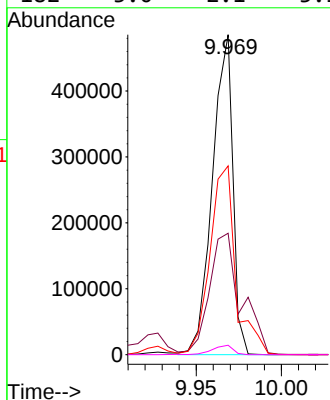
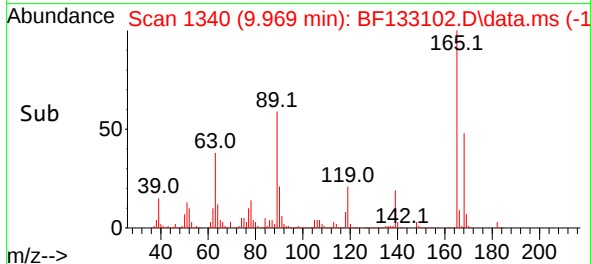
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



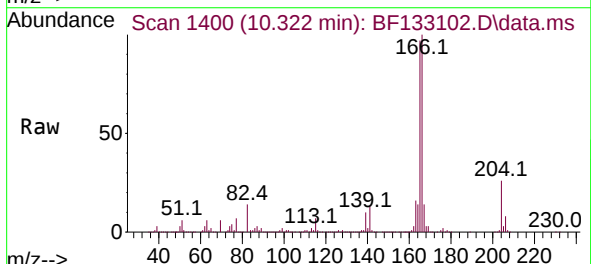
Tgt Ion:165 Resp: 404932
Ion Ratio Lower Upper
165 100
63 37.9 37.7 56.5
89 59.0 57.0 85.4
182 3.0 2.1 3.1

Manual Integrations
APPROVED

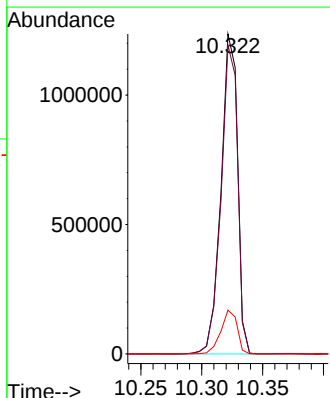
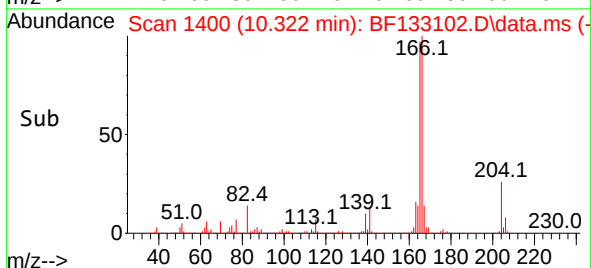
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023

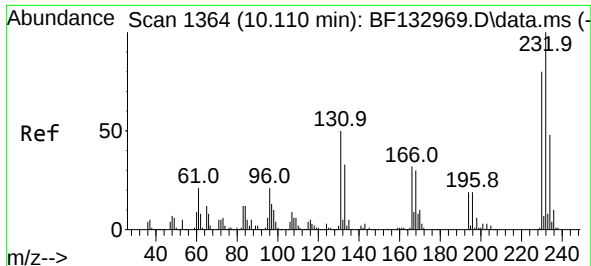


#58
Fluorene
Concen: 42.379 ng
RT: 10.322 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22



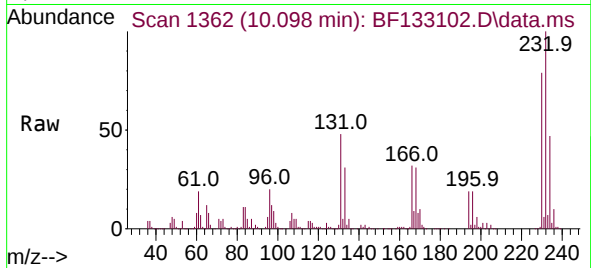
Tgt Ion:166 Resp: 1172230
Ion Ratio Lower Upper
166 100
165 96.5 78.6 117.8
167 13.7 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 44.640 ng
RT: 10.098 min Scan# 1364
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

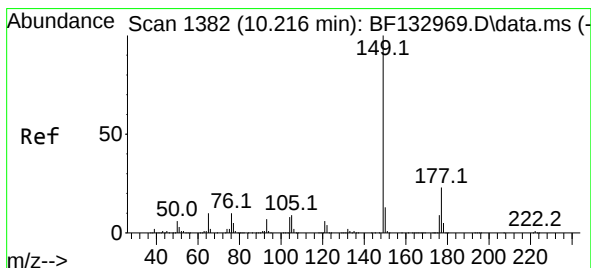
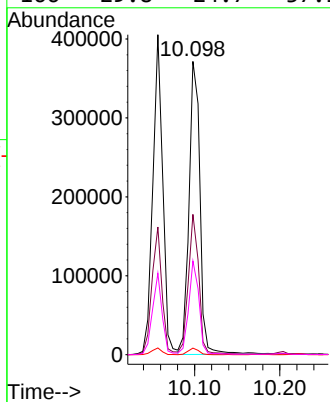
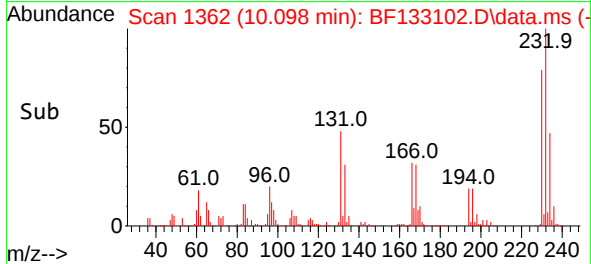
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



Tgt Ion:232 Resp: 33164
Ion Ratio Lower Upper
232 100
131 45.2 38.0 57.0
130 2.1 1.8 2.8
166 29.8 24.7 37.1

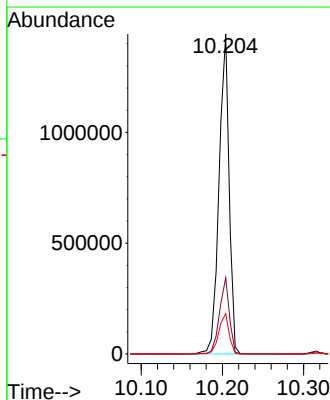
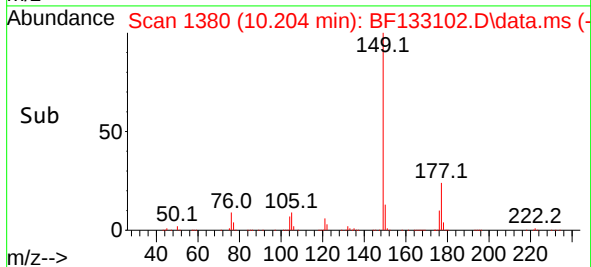
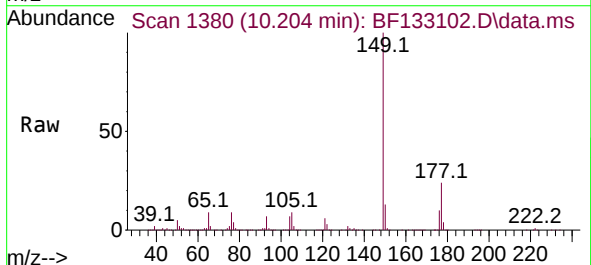
Manual Integrations
APPROVED

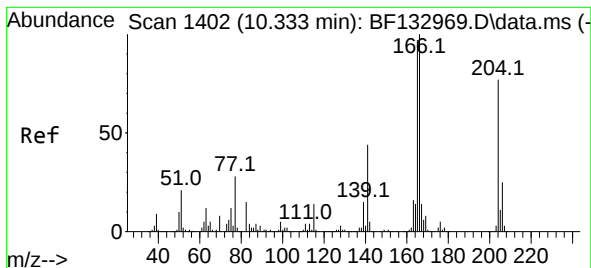
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#60
Diethylphthalate
Concen: 42.611 ng
RT: 10.204 min Scan# 1380
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

Tgt Ion:149 Resp: 1250601
Ion Ratio Lower Upper
149 100
177 23.8 18.2 27.4
150 12.6 10.2 15.4





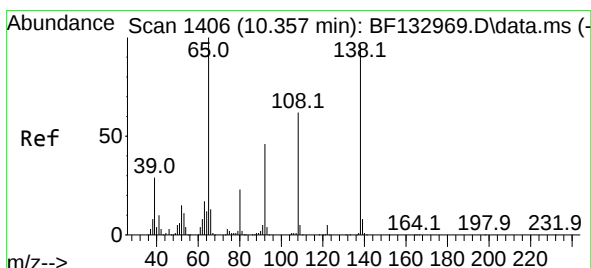
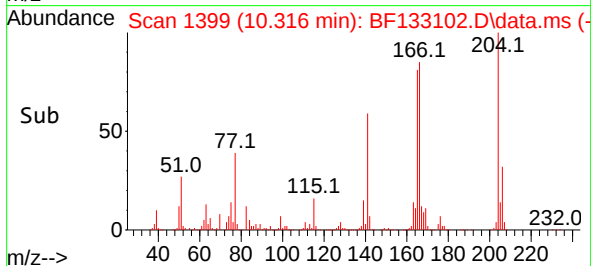
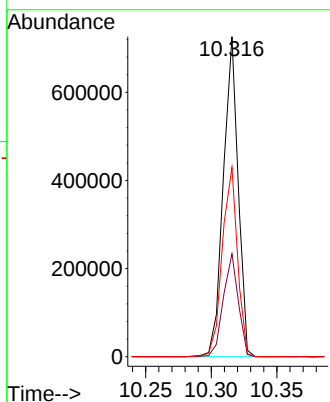
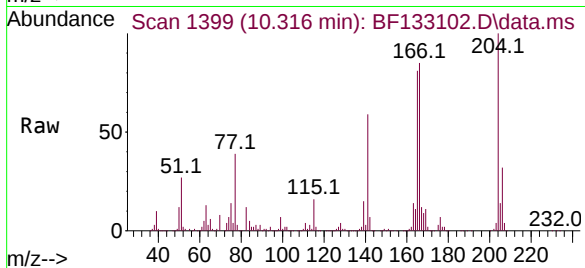
#61
4-Chlorophenyl-phenylether
Concen: 42.239 ng
RT: 10.316 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD

Tgt Ion:204 Resp: 569364
Ion Ratio Lower Upper
204 100
206 32.1 26.1 39.1
141 59.2 46.1 69.1

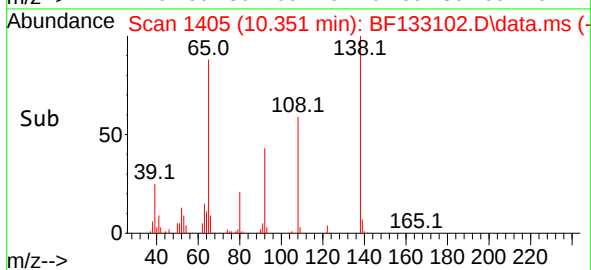
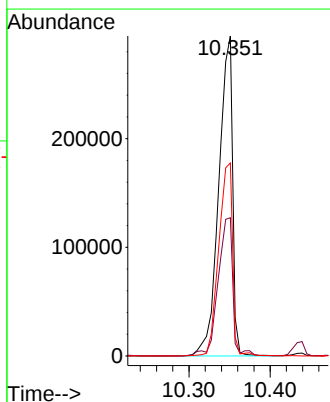
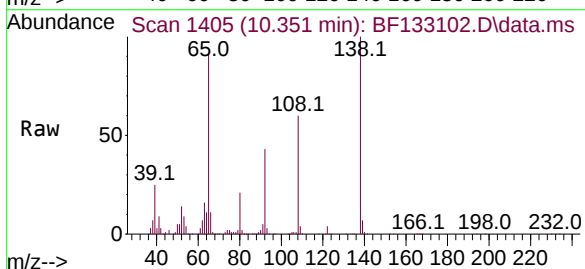
Manual Integrations
APPROVED

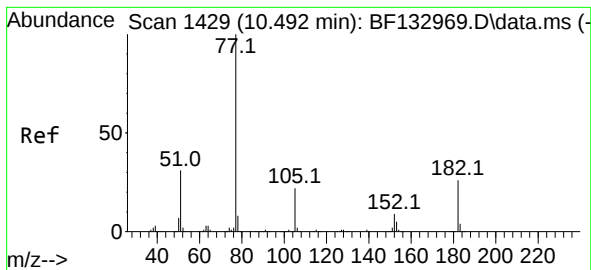
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#62
4-Nitroaniline
Concen: 45.759 ng
RT: 10.351 min Scan# 1405
Delta R.T. 0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

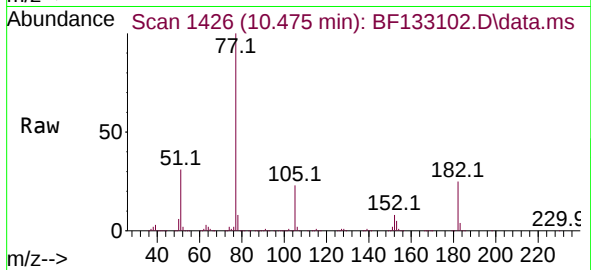
Tgt Ion:138 Resp: 349722
Ion Ratio Lower Upper
138 100
92 43.2 27.7 67.7
108 60.3 45.2 85.2





#63
Azobenzene
Concen: 41.927 ng
RT: 10.475 min Scan# 1429
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

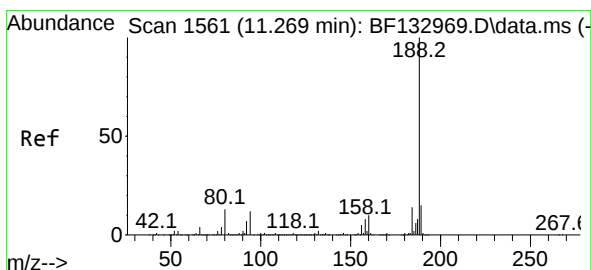
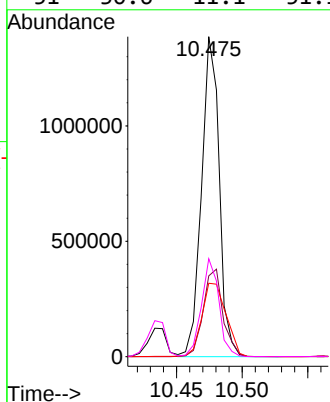
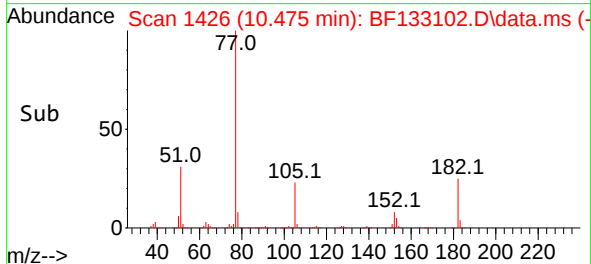
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



Tgt Ion: 77 Resp: 1303530
Ion Ratio Lower Upper
77 100
182 25.3 5.9 45.9
105 23.0 2.3 42.3
51 30.6 11.1 51.1

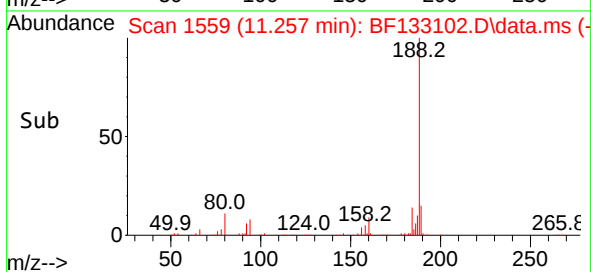
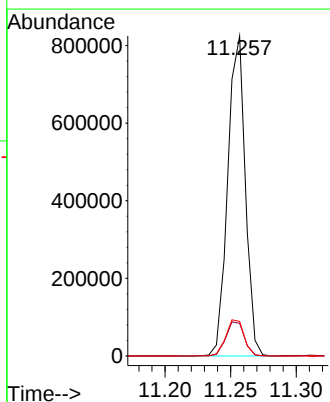
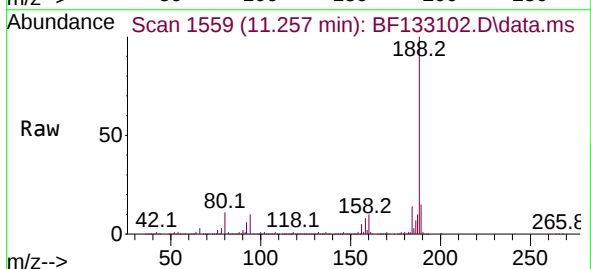
Manual Integrations
APPROVED

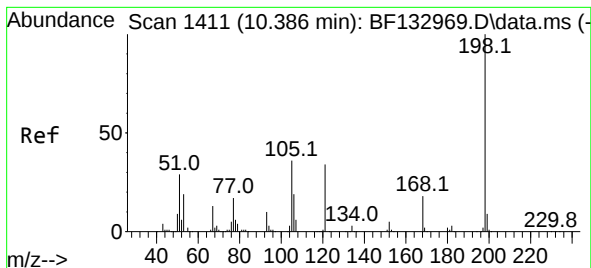
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

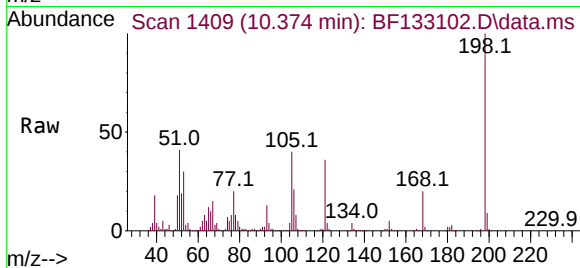
Tgt Ion:188 Resp: 769807
Ion Ratio Lower Upper
188 100
94 10.2 9.7 14.5
80 10.8 10.4 15.6





#65
4,6-Dinitro-2-methylphenol
Concen: 51.786 ng
RT: 10.374 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

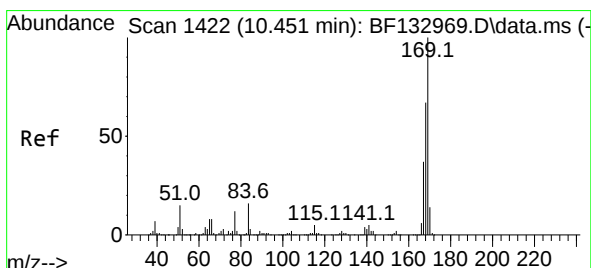
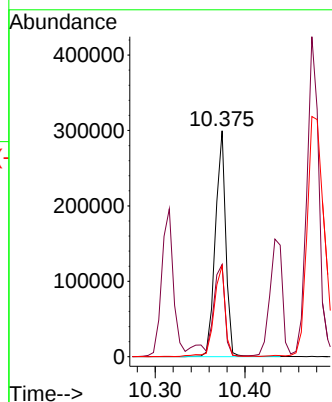
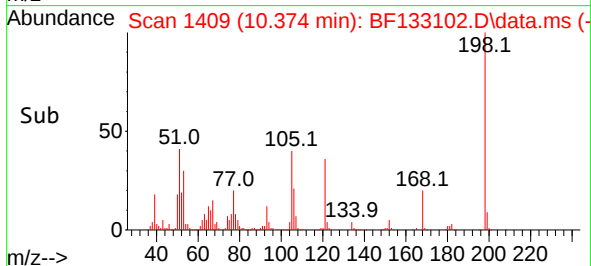
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



Tgt Ion:198 Resp: 241634
Ion Ratio Lower Upper
198 100
51 40.8 15.5 55.5
105 40.2 16.7 56.7

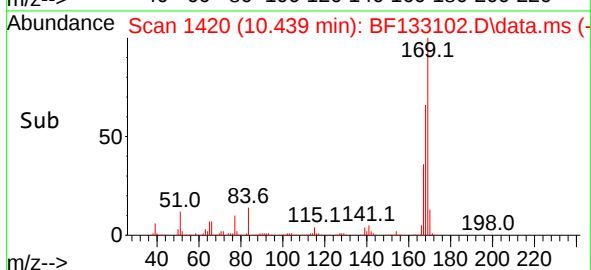
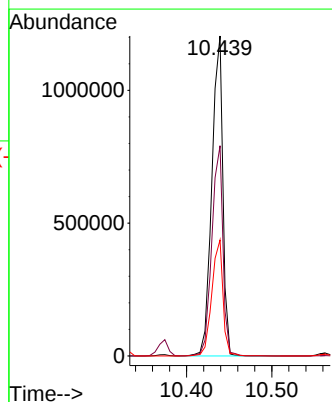
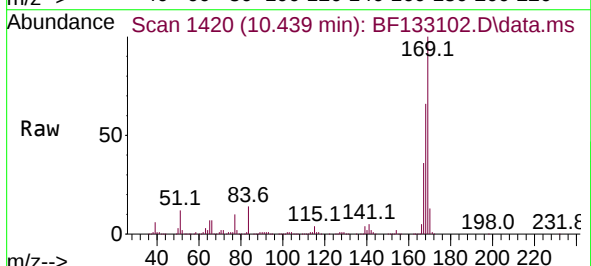
Manual Integrations
APPROVED

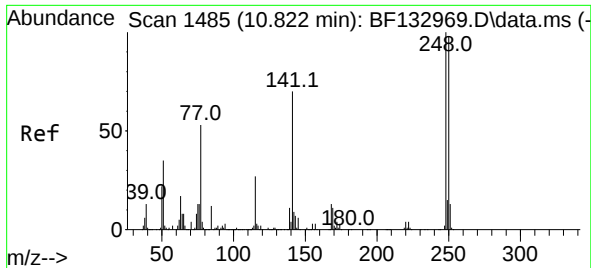
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#66
n-Nitrosodiphenylamine
Concen: 43.227 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

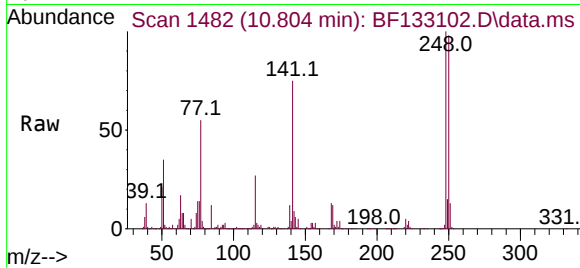
Tgt Ion:169 Resp: 1079413
Ion Ratio Lower Upper
169 100
168 65.7 53.8 80.8
167 36.3 29.7 44.5





#67
4-Bromophenyl-phenylether
Concen: 43.564 ng
RT: 10.804 min Scan# 1482
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

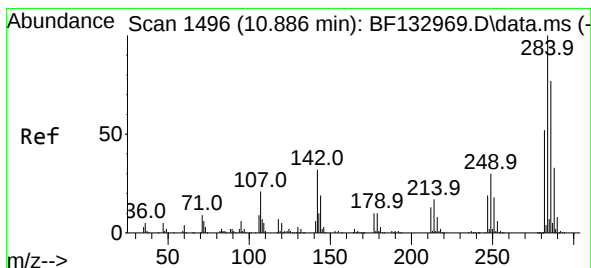
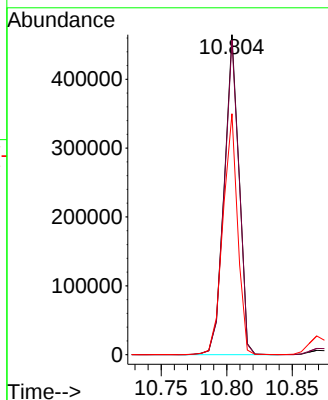
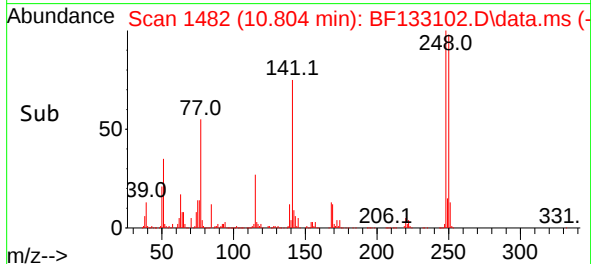
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



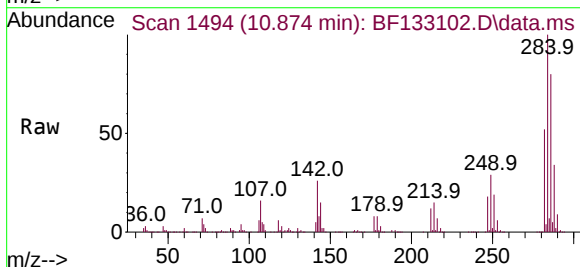
Tgt Ion:248 Resp: 363714
Ion Ratio Lower Upper
248 100
250 98.3 78.7 118.1
141 75.3 56.3 84.5

Manual Integrations
APPROVED

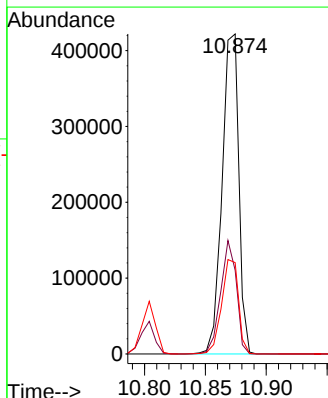
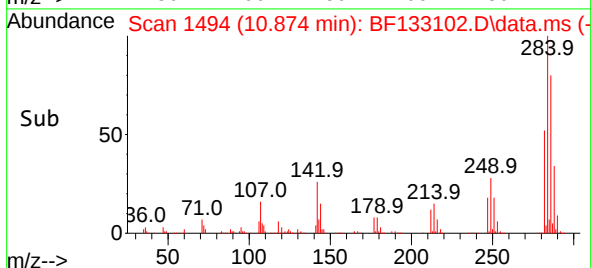
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023

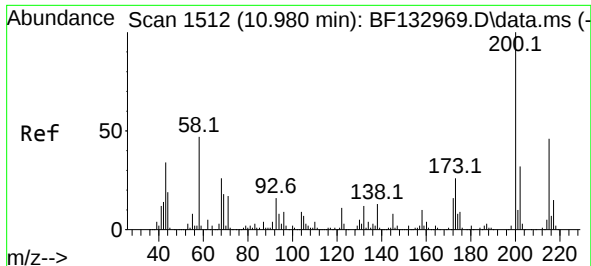


#68
Hexachlorobenzene
Concen: 47.114 ng
RT: 10.874 min Scan# 1494
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22



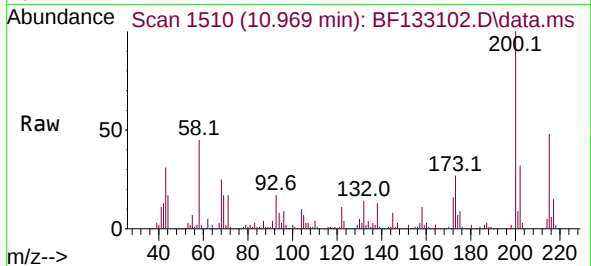
Tgt Ion:284 Resp: 403067
Ion Ratio Lower Upper
284 100
142 26.2 26.0 39.0
249 28.5 23.7 35.5





#69
Atrazine
Concen: 51.132 ng
RT: 10.969 min Scan# 1512
Delta R.T. 0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

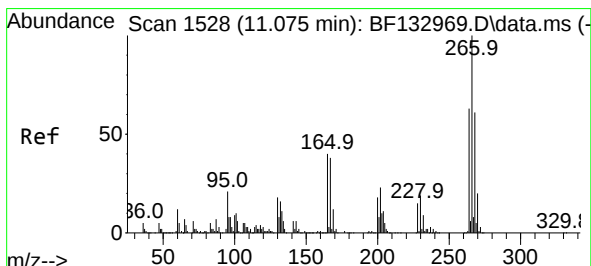
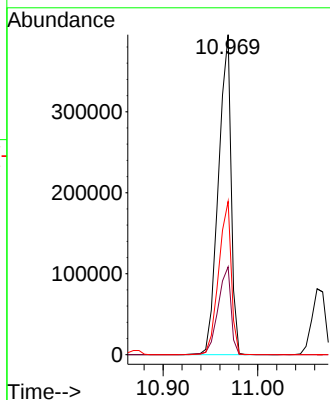
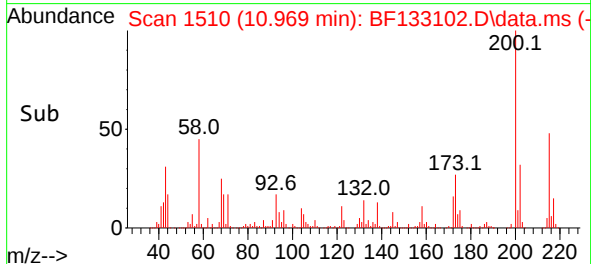
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



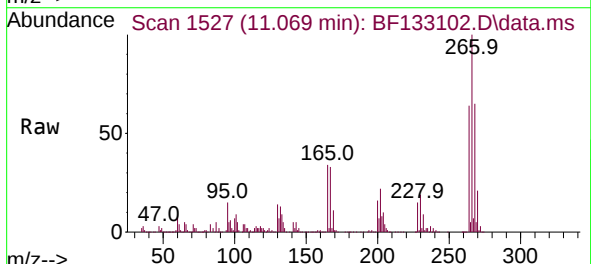
Tgt Ion:200 Resp: 367904
Ion Ratio Lower Upper
200 100
173 27.5 6.2 46.2
215 47.9 26.3 66.3

Manual Integrations
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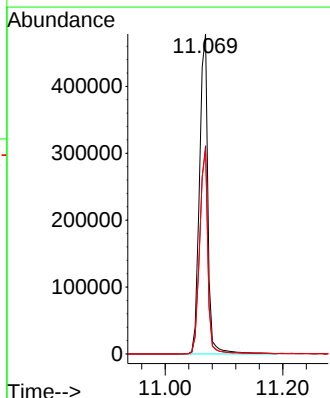
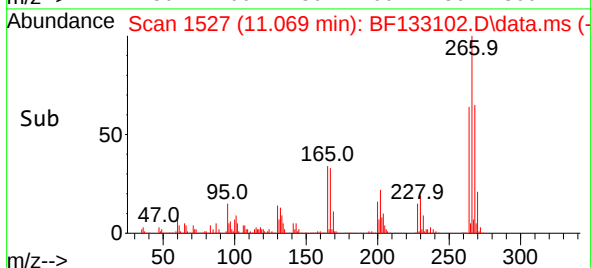
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023

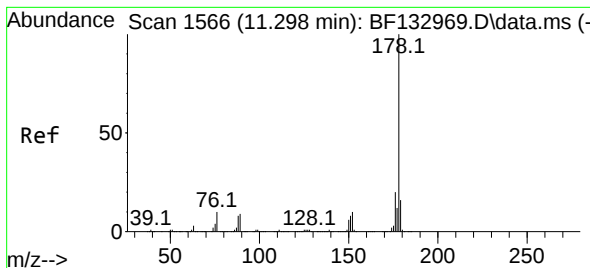


#70
Pentachlorophenol
Concen: 78.004 ng
RT: 11.069 min Scan# 1527
Delta R.T. 0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22



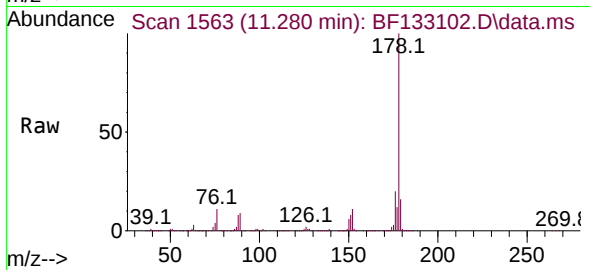
Tgt Ion:266 Resp: 475269
Ion Ratio Lower Upper
266 100
268 65.1 48.8 73.2
264 63.8 50.6 76.0





#71
Phenanthrene
Concen: 42.887 ng
RT: 11.280 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

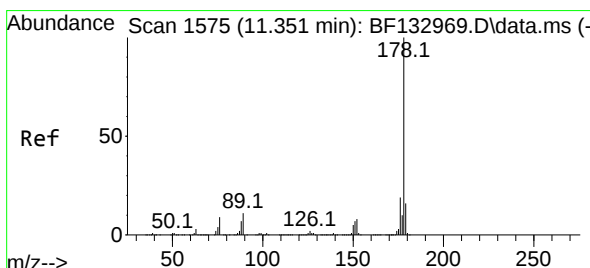
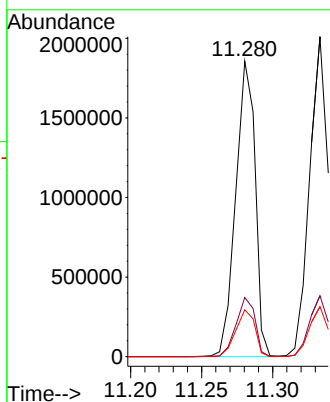
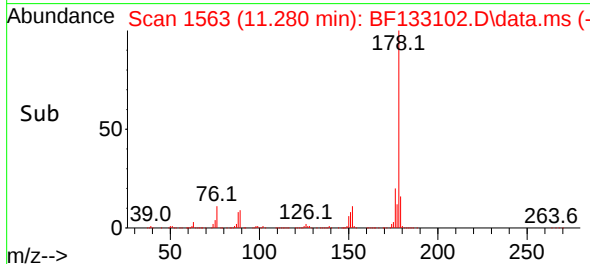
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



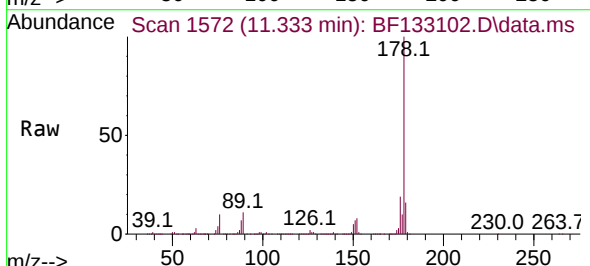
Tgt Ion:178 Resp: 1774428
Ion Ratio Lower Upper
178 100
176 20.0 15.9 23.9
179 15.9 12.5 18.7

Manual Integrations
APPROVED

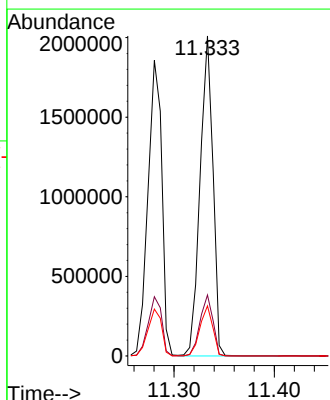
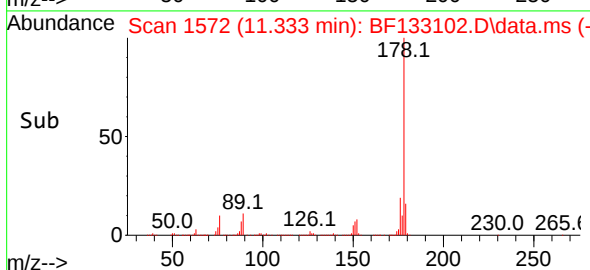
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023

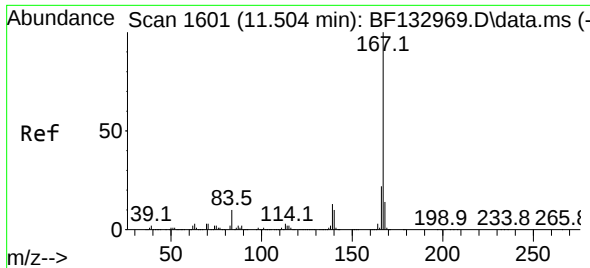


#72
Anthracene
Concen: 42.475 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22



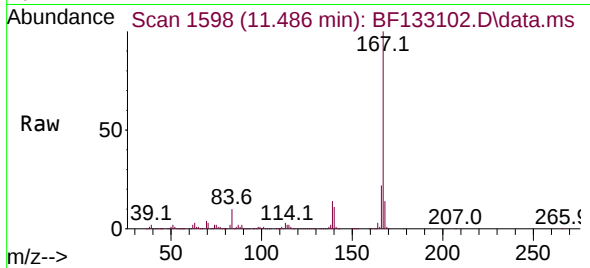
Tgt Ion:178 Resp: 1798515
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.7 12.4 18.6





#73
 Carbazole
 Concen: 42.731 ng
 RT: 11.486 min Scan# 1601
 Delta R.T. -0.006 min
 Lab File: BF133102.D
 Acq: 27 Apr 2023 16:22

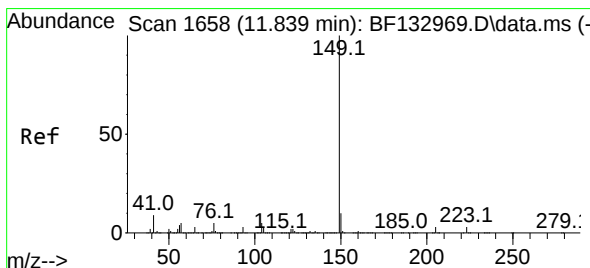
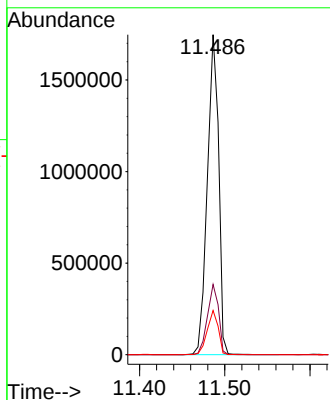
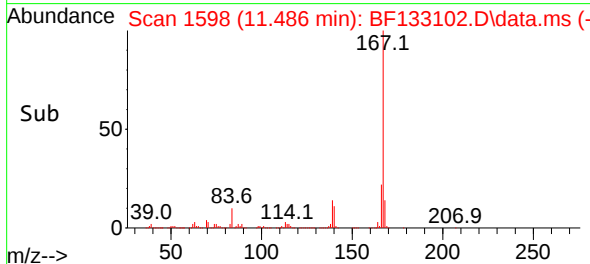
Instrument :
 BNA_F
 ClientSampleId :
 BU-512-COMP-01MSD



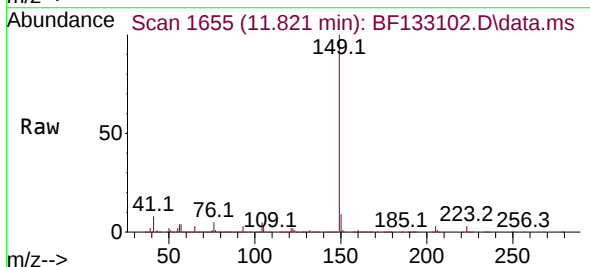
Tgt Ion:167 Resp: 1611089
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.0
 139 13.8 10.6 16.0

Manual Integrations
 APPROVED

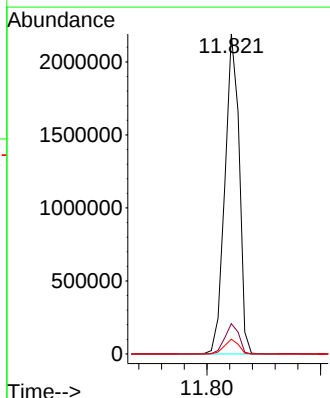
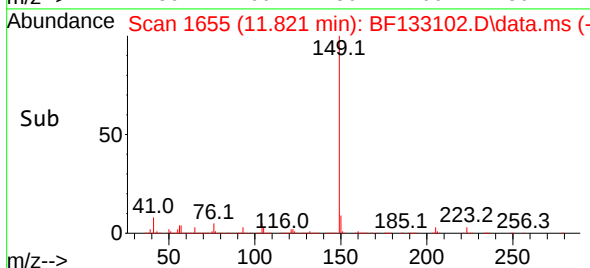
Reviewed By :Christian Giraldo 04/28/2023
 Supervised By :Jagrut Upadhyay 04/28/2023

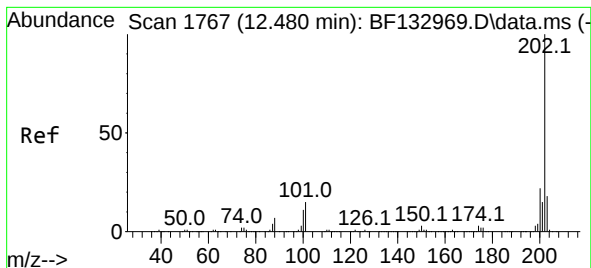


#74
 Di-n-butylphthalate
 Concen: 44.975 ng
 RT: 11.821 min Scan# 1655
 Delta R.T. -0.006 min
 Lab File: BF133102.D
 Acq: 27 Apr 2023 16:22



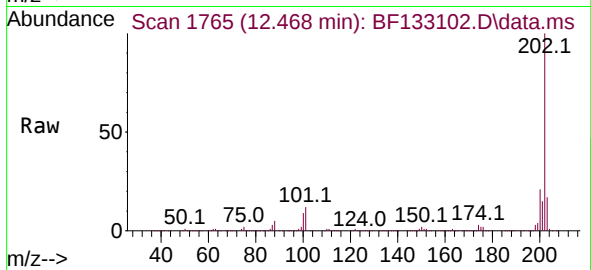
Tgt Ion:149 Resp: 1918937
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.6 11.4
 104 4.6 4.0 6.0





#75
Fluoranthene
Concen: 41.961 ng
RT: 12.468 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

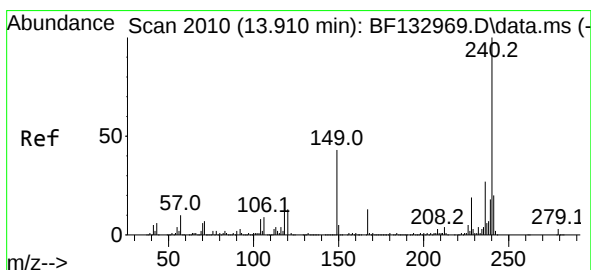
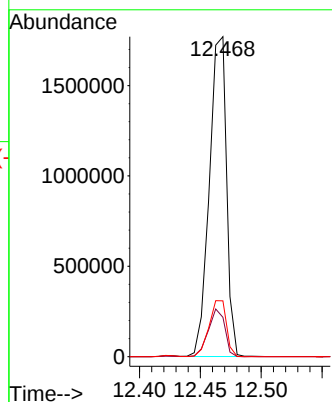
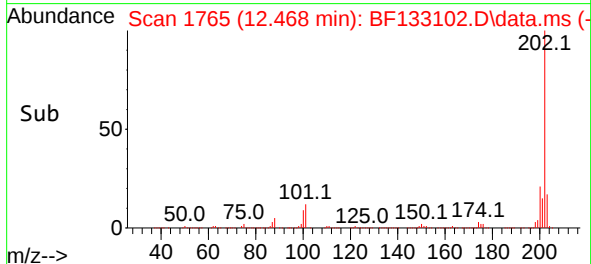
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



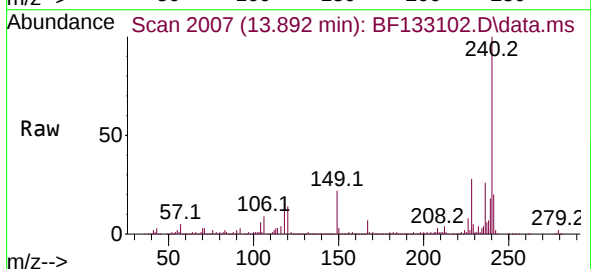
Tgt Ion:202 Resp: 174241
Ion Ratio Lower Upper
202 100
101 12.3 0.0 35.3
203 17.4 0.0 38.1

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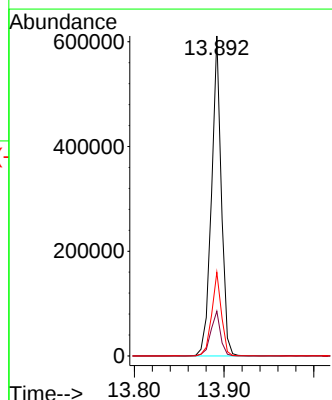
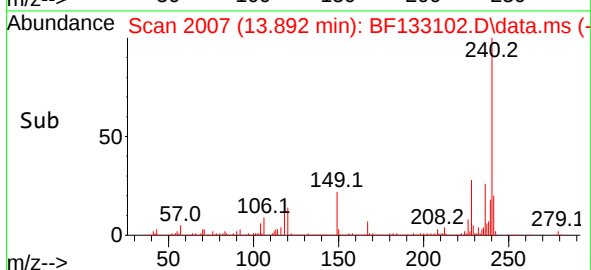
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023

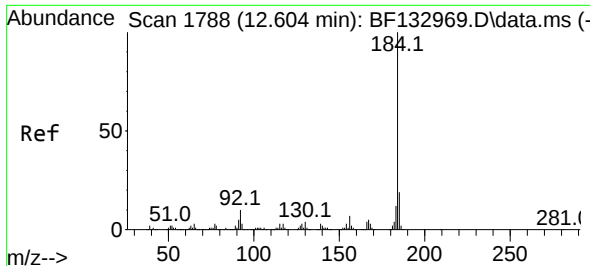


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.892 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22



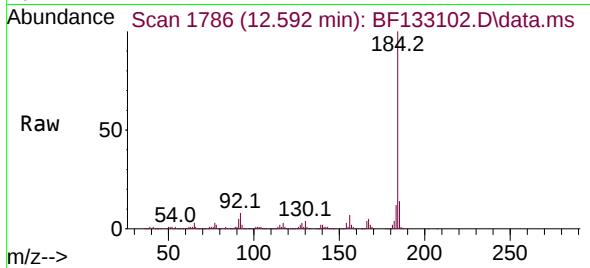
Tgt Ion:240 Resp: 462858
Ion Ratio Lower Upper
240 100
120 14.0 10.5 15.7
236 26.1 21.5 32.3





#77
Benzidine
Concen: 134.942 ng
RT: 12.592 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

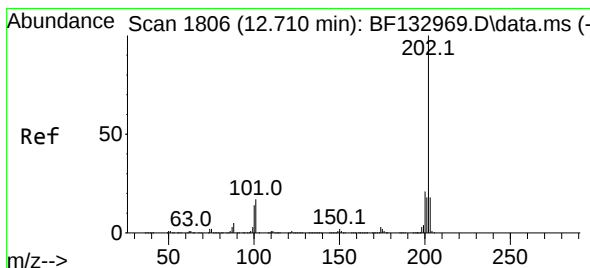
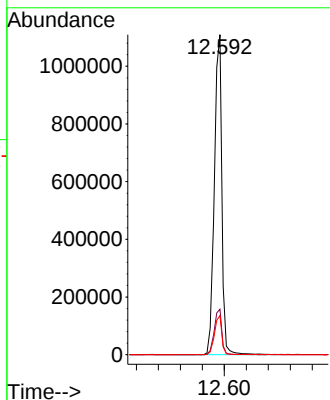
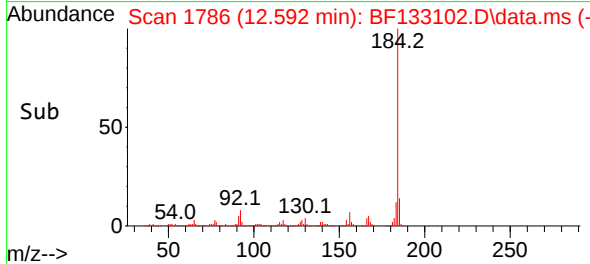
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



Tgt Ion:184 Resp: 105621
Ion Ratio Lower Upper
184 100
185 14.2 15.4 23.2
183 12.2 9.4 14.0

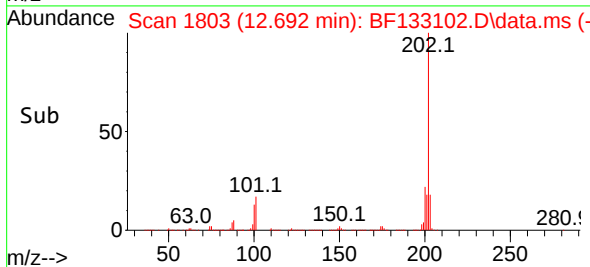
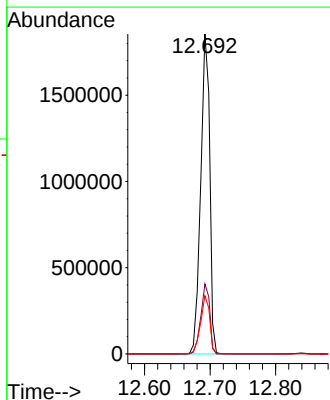
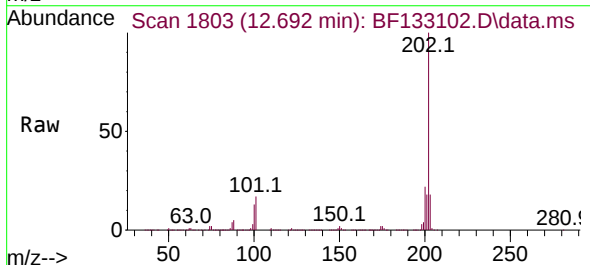
Manual Integrations
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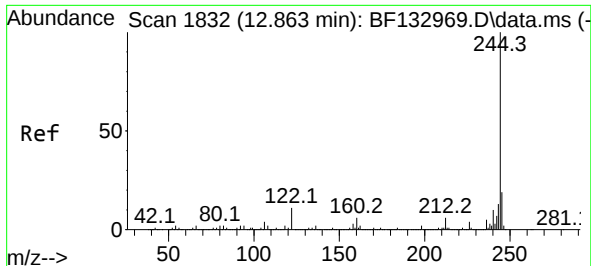
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#78
Pyrene
Concen: 44.882 ng
RT: 12.692 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

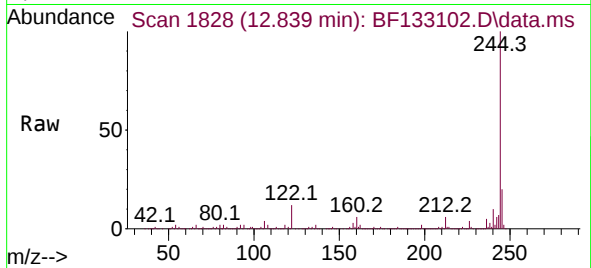
Tgt Ion:202 Resp: 1780809
Ion Ratio Lower Upper
202 100
200 21.9 17.1 25.7
203 18.2 14.1 21.1





#79
 Terphenyl-d14
 Concen: 62.426 ng
 RT: 12.839 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133102.D
 Acq: 27 Apr 2023 16:22

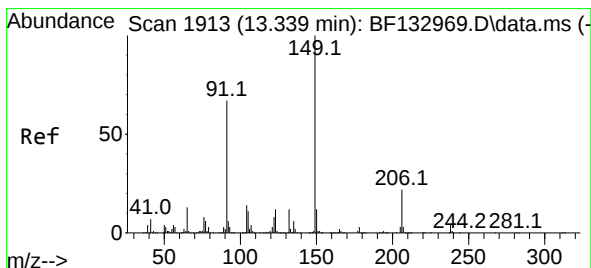
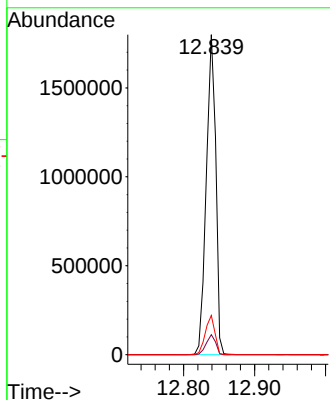
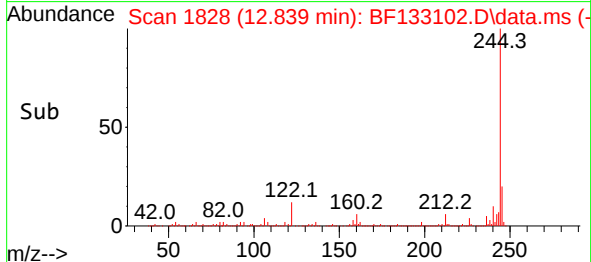
Instrument :
 BNA_F
 ClientSampleId :
 BU-512-COMP-01MSD



Tgt Ion:244 Resp: 167535
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 12.3 8.6 13.0

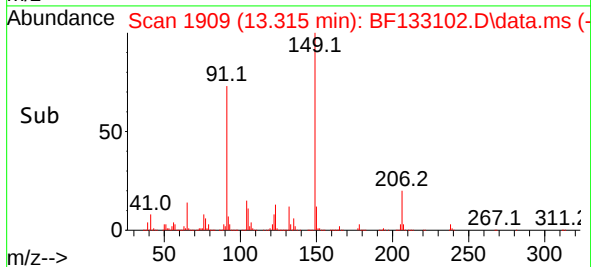
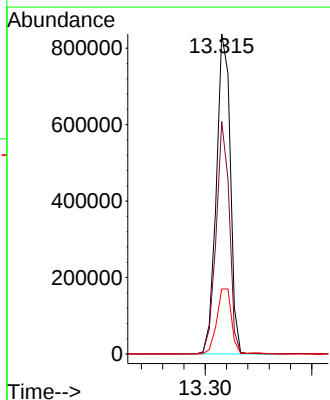
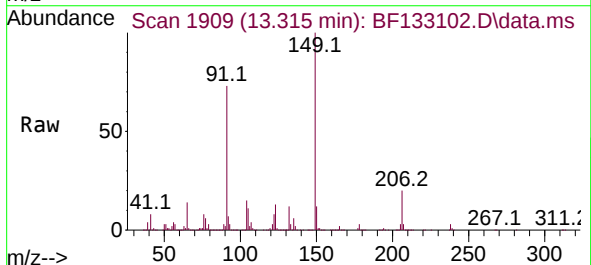
Manual Integrations
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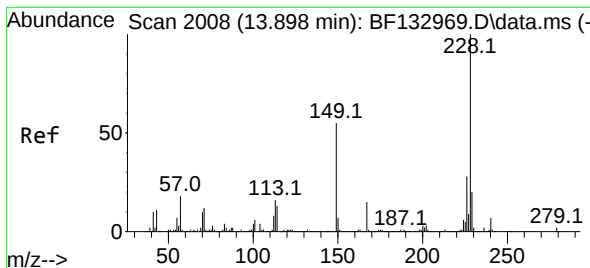
Reviewed By :Christian Giraldo 04/28/2023
 Supervised By :Jagrut Upadhyay 04/28/2023



#80
 Butylbenzylphthalate
 Concen: 54.169 ng
 RT: 13.315 min Scan# 1909
 Delta R.T. -0.006 min
 Lab File: BF133102.D
 Acq: 27 Apr 2023 16:22

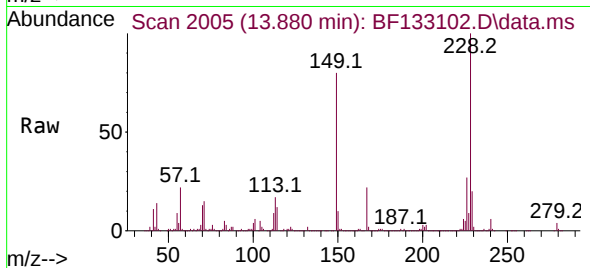
Tgt Ion:149 Resp: 761008
 Ion Ratio Lower Upper
 149 100
 91 72.6 53.8 80.6
 206 20.3 17.5 26.3





#81
Benzo(a)anthracene
Concen: 42.198 ng
RT: 13.880 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

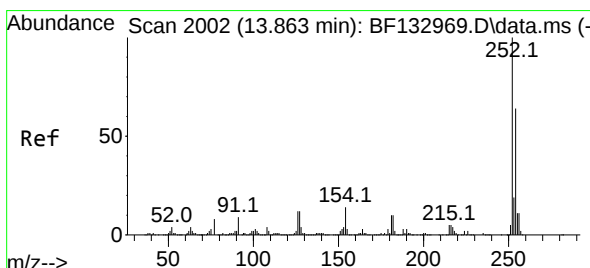
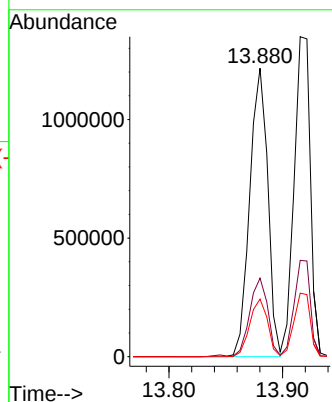
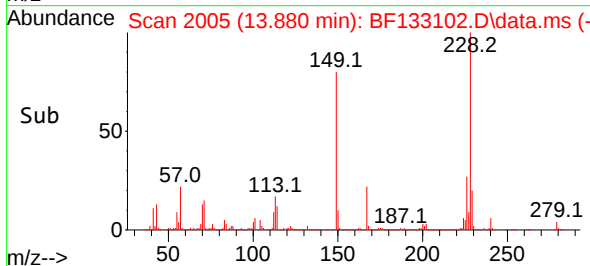
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



Tgt Ion:228 Resp: 1343119
Ion Ratio Lower Upper
228 100
226 27.2 22.2 33.4
229 20.0 16.0 24.0

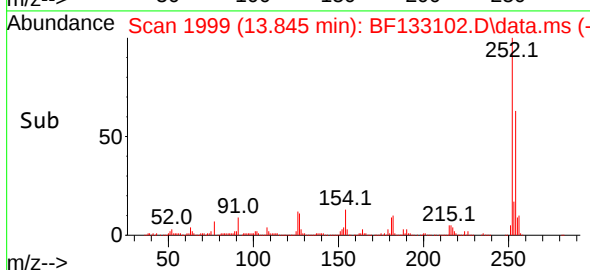
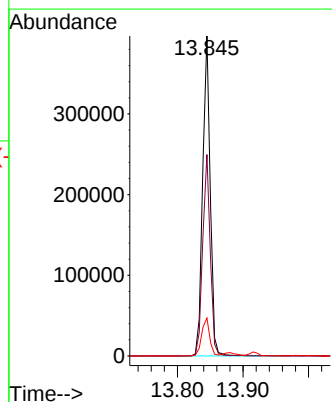
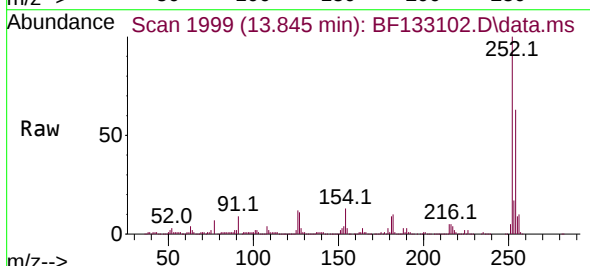
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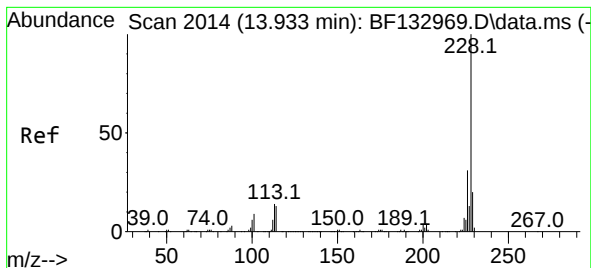
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#82
3,3'-Dichlorobenzidine
Concen: 36.317 ng
RT: 13.845 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

Tgt Ion:252 Resp: 319334
Ion Ratio Lower Upper
252 100
254 63.0 51.5 77.3
126 11.9 9.5 14.3





#83

Chrysene

Concen: 42.255 ng

RT: 13.915 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF133102.D

Acq: 27 Apr 2023 16:22

Instrument :

BNA_F

ClientSampleId :

BU-512-COMP-01MSD

Tgt Ion:228 Resp: 1344629

Ion Ratio Lower Upper

228 100

226 30.1 24.7 37.1

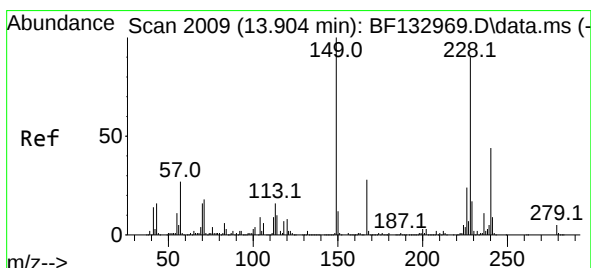
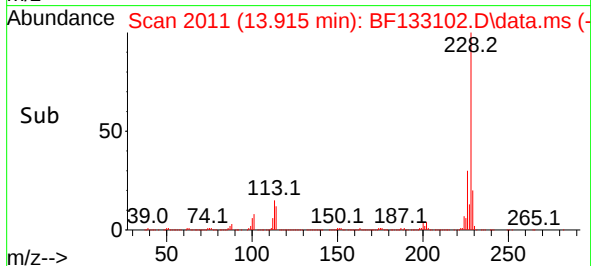
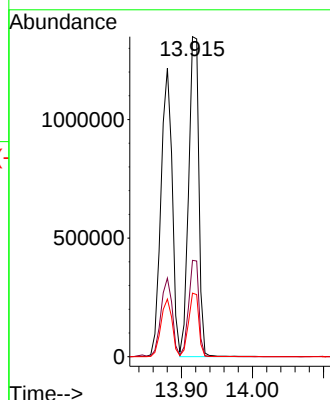
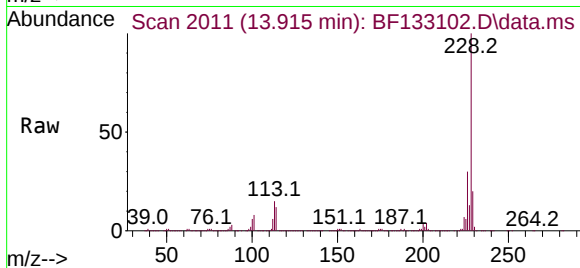
229 19.9 16.1 24.1

Manual Integrations

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Reviewed By :Christian Giraldo 04/28/2023

Supervised By :Jagrut Upadhyay 04/28/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.910 ng

RT: 13.880 min Scan# 2005

Delta R.T. -0.006 min

Lab File: BF133102.D

Acq: 27 Apr 2023 16:22

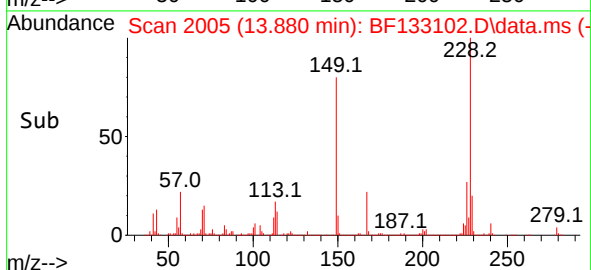
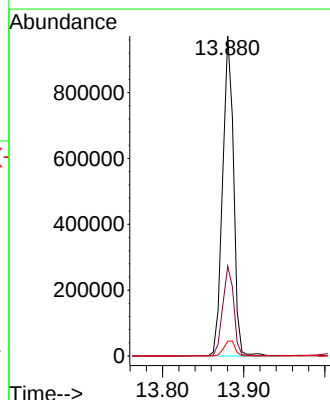
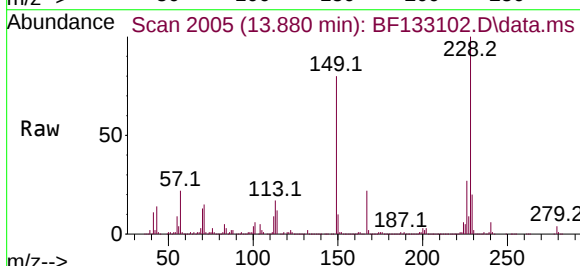
Tgt Ion:149 Resp: 915374

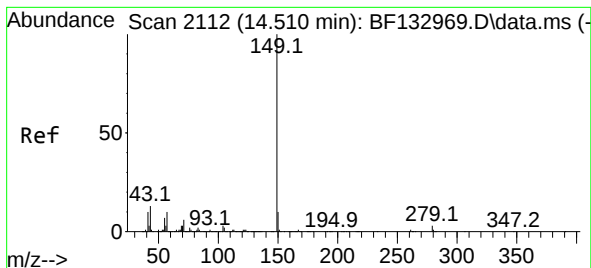
Ion Ratio Lower Upper

149 100

167 28.1 22.5 33.7

279 4.6 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 56.624 ng

RT: 14.492 min Scan# 2112

Delta R.T. -0.000 min

Lab File: BF133102.D

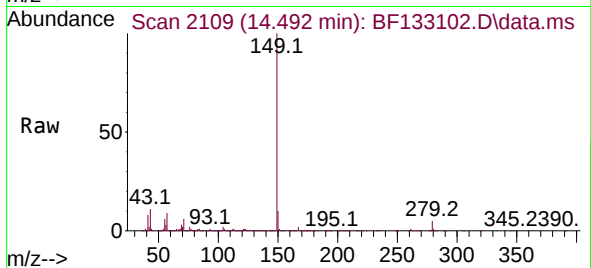
Acq: 27 Apr 2023 16:22

Instrument :

BNA_F

ClientSampleId :

BU-512-COMP-01MSD



Tgt Ion:149 Resp: 1628118

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

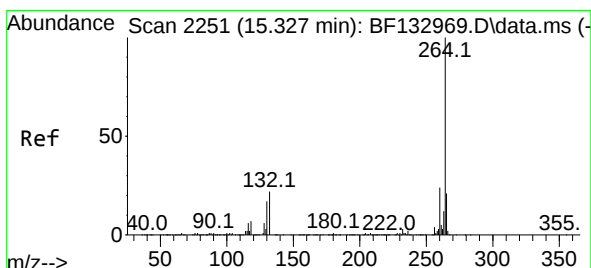
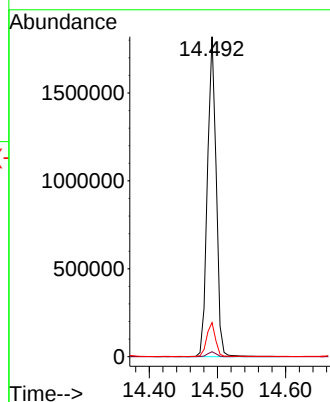
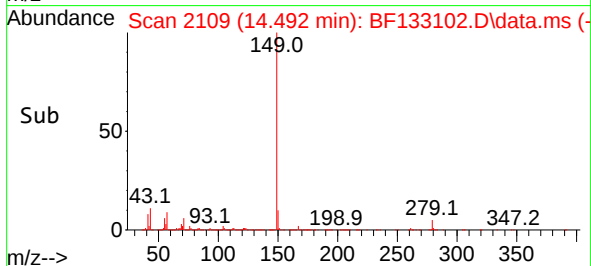
43 10.6 9.5 14.3

Manual Integrations

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Reviewed By :Christian Giraldo 04/28/2023

Supervised By :Jagrut Upadhyay 04/28/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.309 min Scan# 2248

Delta R.T. -0.006 min

Lab File: BF133102.D

Acq: 27 Apr 2023 16:22

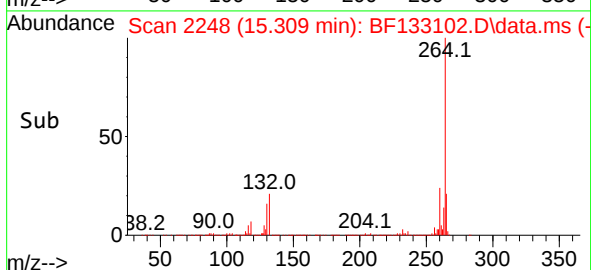
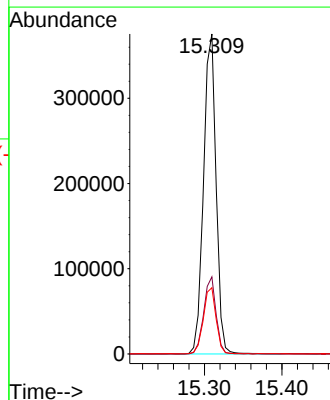
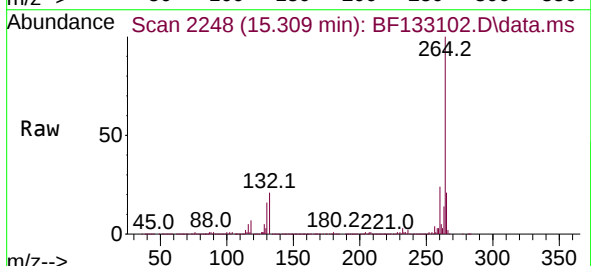
Tgt Ion:264 Resp: 421614

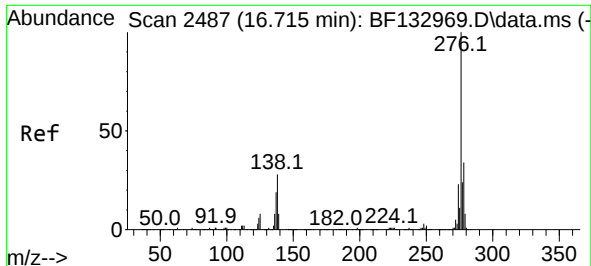
Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

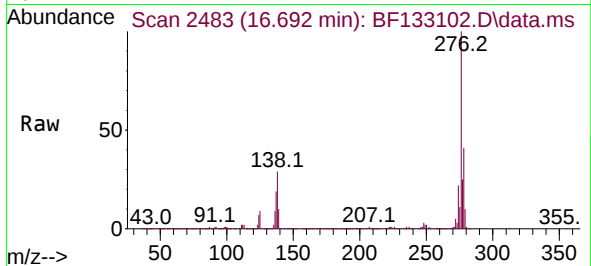
265 20.7 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 51.306 ng
RT: 16.692 min Scan# 2487
Delta R.T. -0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

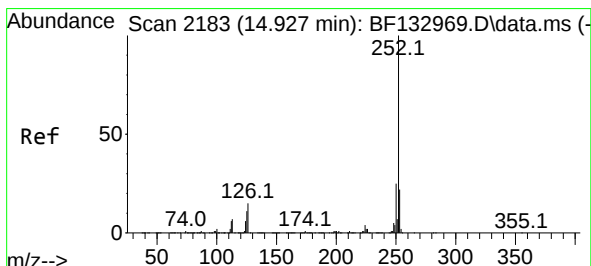
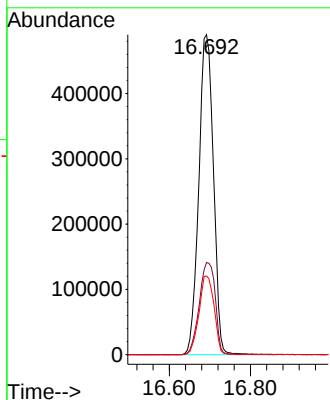
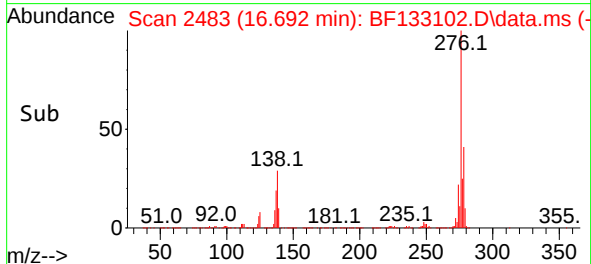
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



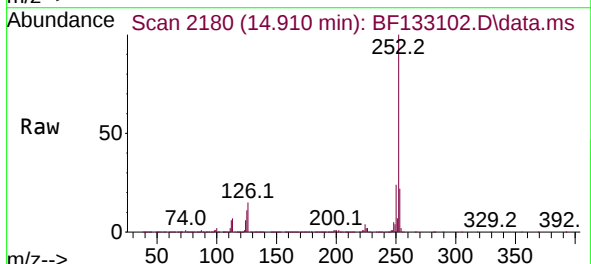
Tgt Ion:276 Resp: 1230430
Ion Ratio Lower Upper
276 100
138 31.4 25.5 38.3
277 25.3 20.4 30.6

Manual Integrations
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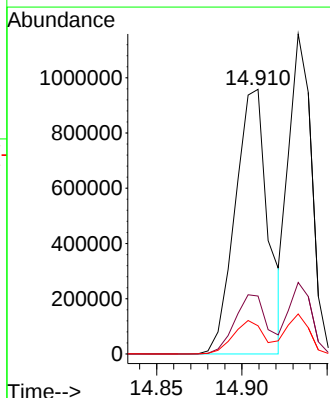
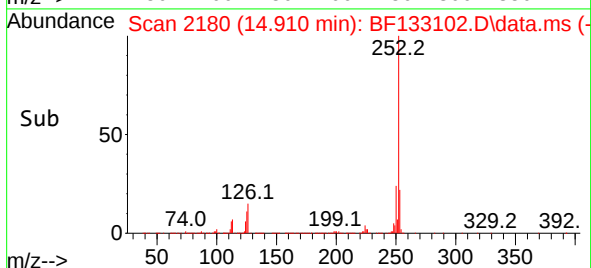
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023

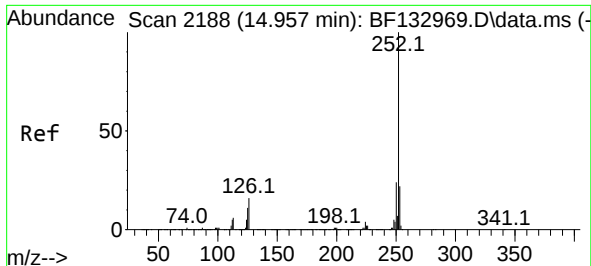


#88
Benzo(b)fluoranthene
Concen: 47.982 ng
RT: 14.910 min Scan# 2180
Delta R.T. -0.000 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22



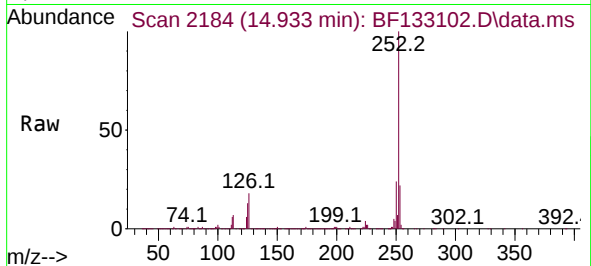
Tgt Ion:252 Resp: 1286999
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 10.7 8.9 13.3





#89
Benzo(k)fluoranthene
Concen: 40.880 ng
RT: 14.933 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

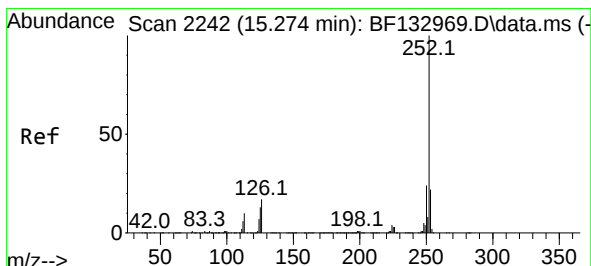
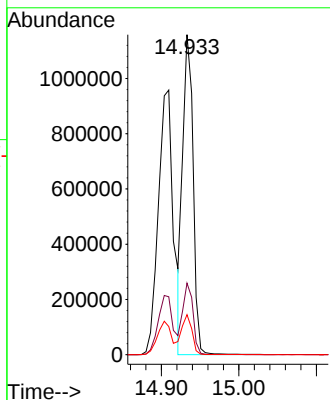
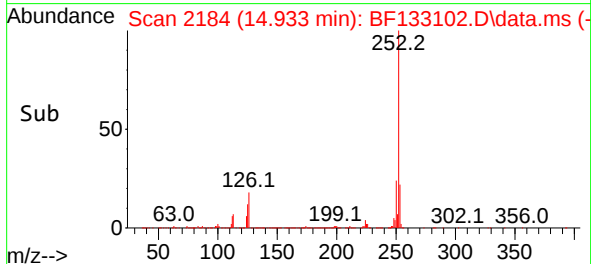
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



Tgt Ion:252 Resp: 1086960
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 12.5 9.0 13.4

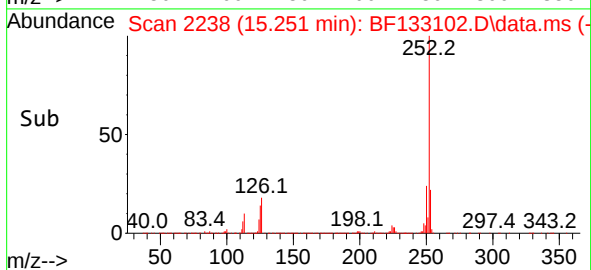
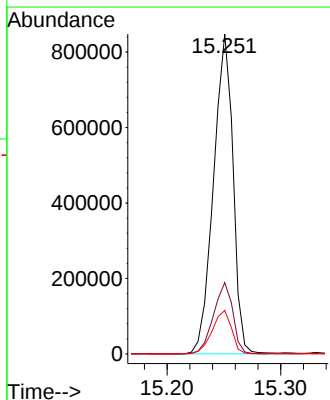
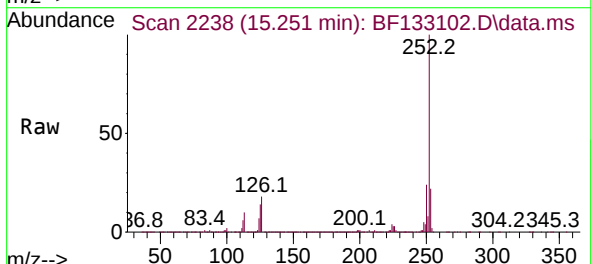
Manual Integrations
APPROVED

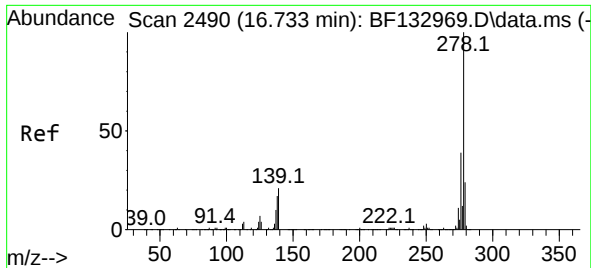
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#90
Benzo(a)pyrene
Concen: 41.450 ng
RT: 15.251 min Scan# 2238
Delta R.T. -0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

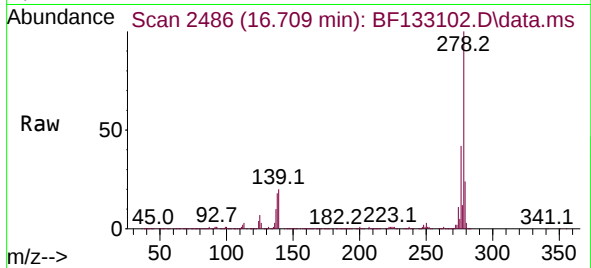
Tgt Ion:252 Resp: 1011970
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 13.6 10.5 15.7





#91
Dibenzo(a,h)anthracene
Concen: 50.882 ng
RT: 16.709 min Scan# 2490
Delta R.T. -0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22

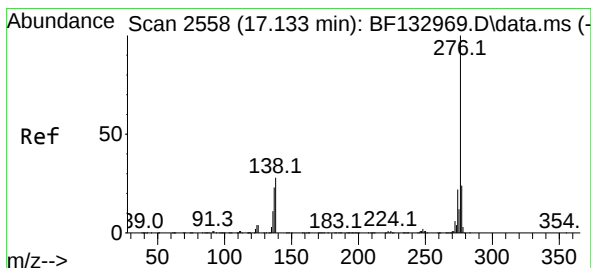
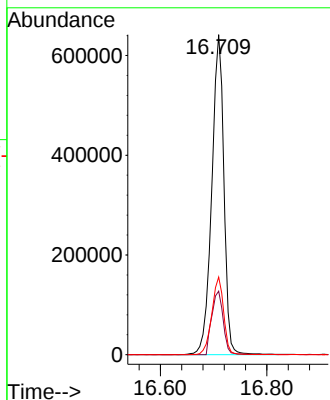
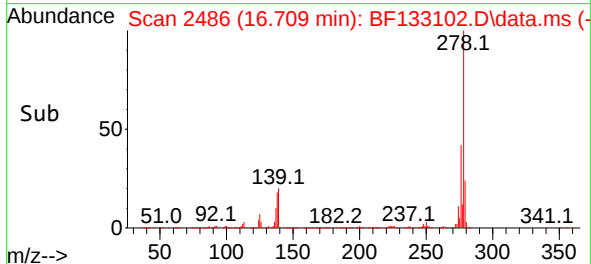
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01MSD



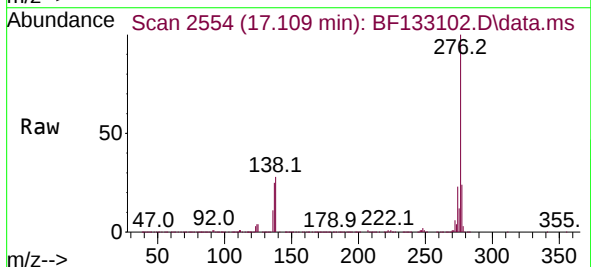
Tgt Ion:278 Resp: 1017754
Ion Ratio Lower Upper
278 100
139 19.8 16.6 24.8
279 24.2 18.8 28.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#92
Benzo(g,h,i)perylene
Concen: 51.585 ng
RT: 17.109 min Scan# 2554
Delta R.T. -0.006 min
Lab File: BF133102.D
Acq: 27 Apr 2023 16:22



Tgt Ion:276 Resp: 1018676
Ion Ratio Lower Upper
276 100
277 24.4 19.4 29.0
138 28.5 22.7 34.1

