

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042123\
 Data File : BF132986.D
 Acq On : 22 Apr 2023 00:14
 Operator : CG\JU
 Sample : 02386-03 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPA-1WC-23-04

Quant Time: Apr 22 04:32:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	185493	20.000	ng	0.01
21) Naphthalene-d8	8.045	136	695131	20.000	ng	# 0.00
39) Acenaphthene-d10	9.798	164	273116	20.000	ng	0.00
64) Phenanthrene-d10	11.292	188	413329	20.000	ng	0.02
76) Chrysene-d12	13.945	240	162788	20.000	ng	0.04
86) Perylene-d12	15.392	264	242456	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	200278	16.310	ng	0.00
7) Phenol-d6	6.387	99	330289	21.671	ng	0.00
23) Nitrobenzene-d5	7.316	82	241962	18.788	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	48003	17.477	ng	0.01
45) 2-Fluorobiphenyl	9.116	172	323056	19.789	ng	0.00
79) Terphenyl-d14	12.880	244	208178	22.056	ng	0.02
Target Compounds						
						Qvalue
6) Aniline	6.463	93	168220	8.569	ng	# 60
9) Benzaldehyde	6.316	77	130594	12.971	ng	# 1
12) 1,3-Dichlorobenzene	6.698	146	304619	22.981	ng	99
13) 1,4-Dichlorobenzene	6.781	146	1121779	84.442	ng	98
14) 1,2-Dichlorobenzene	6.939	146	1303808	106.454	ng	97
18) Hexachloroethane	7.304	117	211048	45.695	ng	# 1
19) n-Nitroso-di-n-propyla...	7.210	70	170750	17.996	ng	# 53
22) Acetophenone	7.157	105	582486	36.174	ng	# 42
24) Nitrobenzene	7.339	77	30183	2.313	ng	# 48
25) Isophorone	7.575	82	71426	2.921	ng	# 1
30) 1,2,4-Trichlorobenzene	7.992	180	840070	82.529	ng	98
31) Naphthalene	8.069	128	2126608	61.190	ng	98
32) Benzoic acid	7.834	122	58603	8.790	ng	# 19
33) 4-Chloroaniline	8.069	127	287458	20.471	ng	# 37
35) Caprolactam	8.475	113	69889	21.174	ng	# 35
36) 4-Chloro-3-methylphenol	8.616	107	39762	3.753	ng	# 23
37) 2-Methylnaphthalene	8.757	142	1699904	71.543	ng	97
38) 1-Methylnaphthalene	8.857	142	1043671	46.954	ng	100
40) 1,2,4,5-Tetrachloroben...	8.922	216	18434	2.510	ng	# 77
46) 1,1'-Biphenyl	9.222	154	999500	46.152	ng	98
47) 2-Chloronaphthalene	9.263	162	57570	3.632	ng	# 66
48) 2-Nitroaniline	9.333	65	155057	29.598	ng	# 6
51) 2,6-Dinitrotoluene	9.575	165	15385	3.589	ng	# 14
52) Acenaphthene	9.833	154	102100	6.019	ng	# 88
55) Dibenzofuran	10.004	168	123903	5.355	ng	# 46
56) 4-Nitrophenol	9.904	139	36338	9.206	ng	# 32
57) 2,4-Dinitrotoluene	9.980	165	23420	4.285	ng	# 48
58) Fluorene	10.345	166	204913	12.087	ng	# 92
63) Azobenzene	10.510	77	178819	9.384	ng	# 1
66) n-Nitrosodiphenylamine	10.457	169	310473	23.157	ng	87
71) Phenanthrene	11.369	178	735089	33.089	ng	98
72) Anthracene	11.369	178	735089	32.333	ng	97
73) Carbazole	11.516	167	44275	2.187	ng	# 47
74) Di-n-butylphthalate	11.857	149	126329	5.514	ng	# 87
75) Fluoranthene	12.510	202	381867	17.128	ng	92
78) Pyrene	12.510	202	381867	27.365	ng	97

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

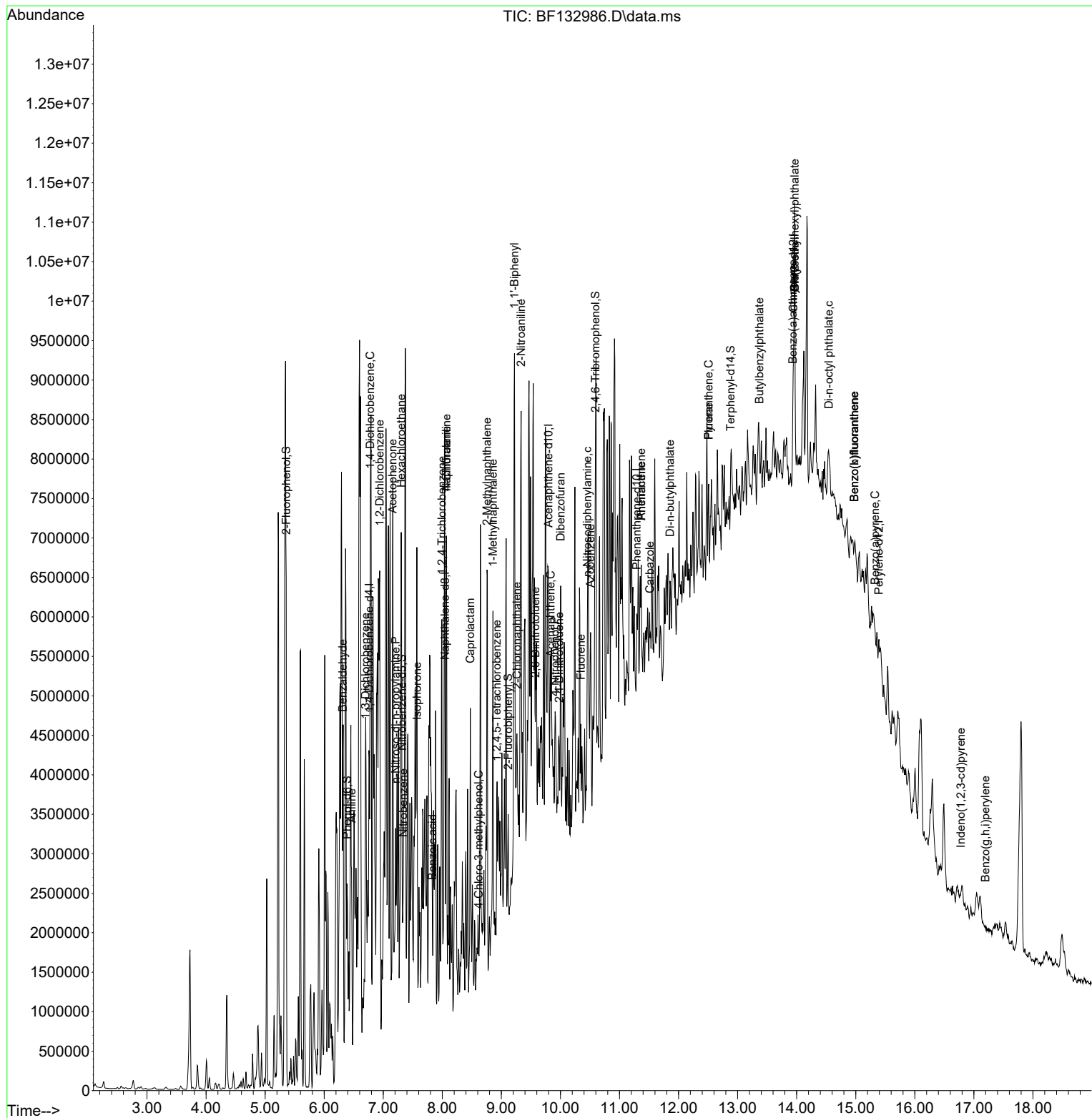
80) Butylbenzylphthalate	13.368	149	123158	24.926	ng	# 78
81) Benzo(a)anthracene	13.933	228	118481	10.584	ng	# 89
83) Chrysene	13.968	228	79268	7.083	ng	# 91
84) Bis(2-ethylhexyl)phtha...	13.968	149	4777455	770.327	ng	# 93
85) Di-n-octyl phthalate	14.545	149	775045	76.643	ng	# 73
87) Indeno(1,2,3-cd)pyrene	16.780	276	50592	3.668	ng	95
88) Benzo(b)fluoranthene	14.974	252	197945	12.833	ng	# 28
89) Benzo(k)fluoranthene	14.974	252	197945	12.946	ng	# 28
90) Benzo(a)pyrene	15.327	252	102722	7.317	ng	# 30
92) Benzo(g,h,i)perylene	17.198	276	57126	5.030	ng	# 71

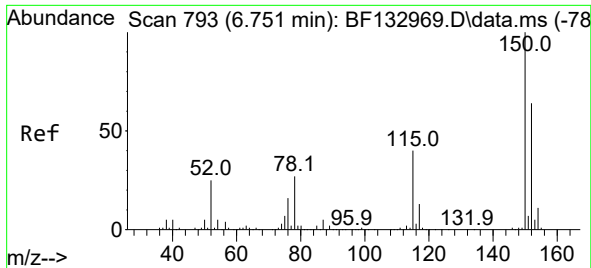
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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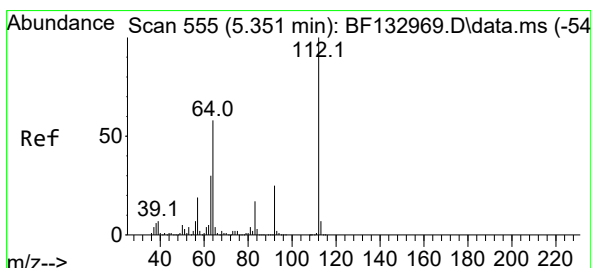
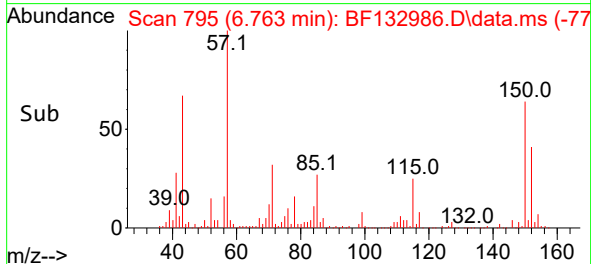
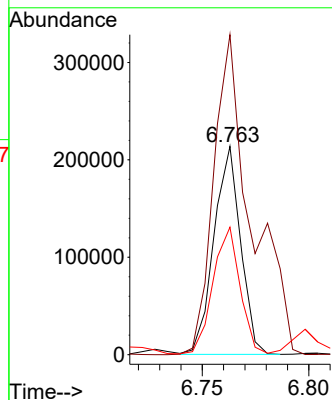
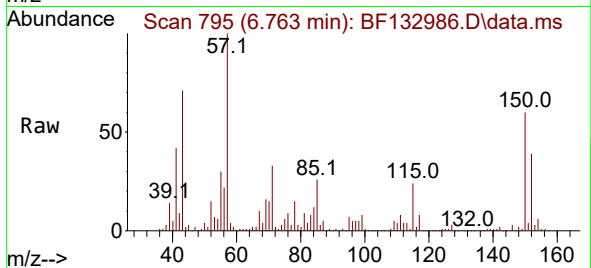




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.763 min Scan# 794
 Delta R.T. 0.012 min
 Lab File: BF132986.D
 Acq: 22 Apr 2023 00:14

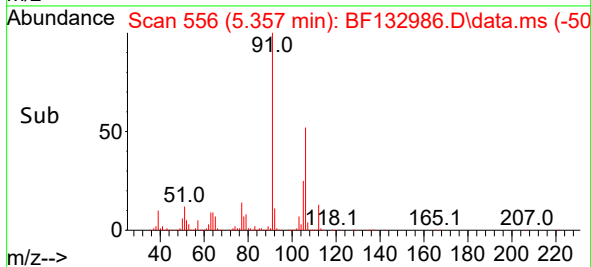
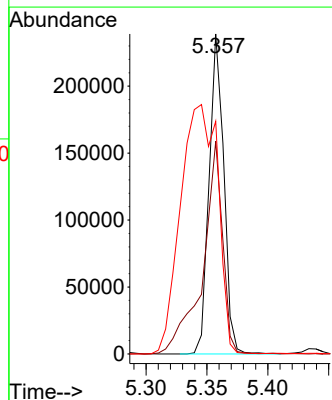
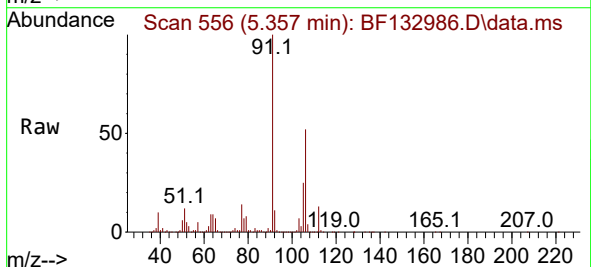
Instrument :
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 ClientSampleId :
 SPA-1WC-23-04

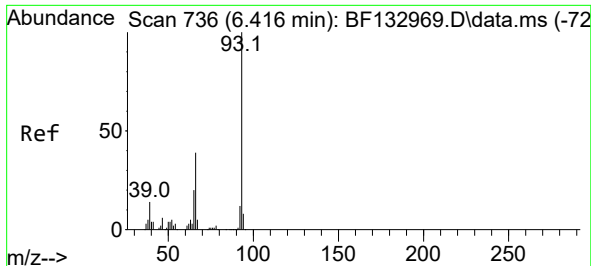
Tgt Ion:152 Resp: 185493
 Ion Ratio Lower Upper
 152 100
 150 153.6 124.8 187.2
 115 61.3 49.9 74.9



#5
 2-Fluorophenol
 Concen: 16.310 ng
 RT: 5.357 min Scan# 556
 Delta R.T. 0.006 min
 Lab File: BF132986.D
 Acq: 22 Apr 2023 00:14

Tgt Ion:112 Resp: 200278
 Ion Ratio Lower Upper
 112 100
 64 66.5 46.8 70.2
 63 72.7 23.8 35.8#

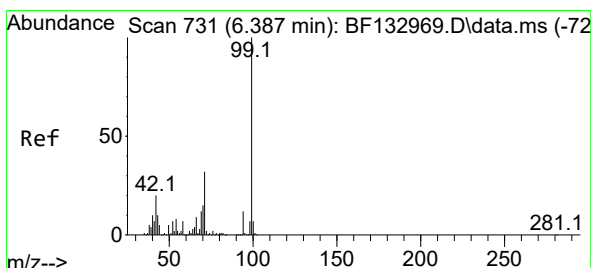
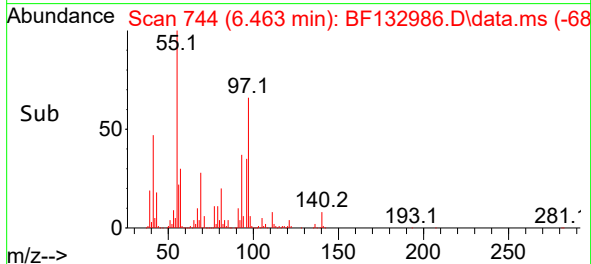
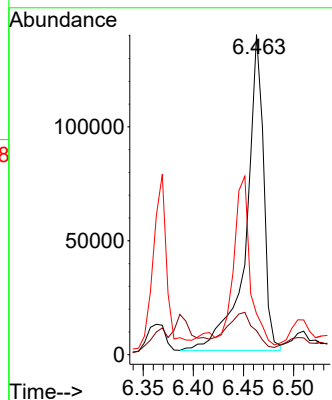
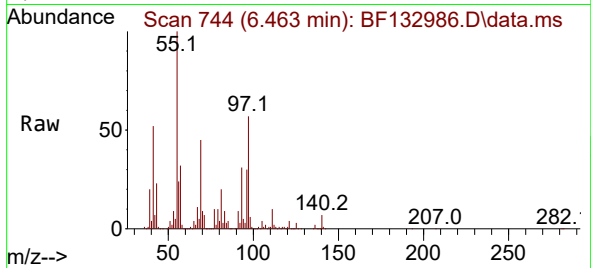




#6
Aniline
Concen: 8.569 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.047 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

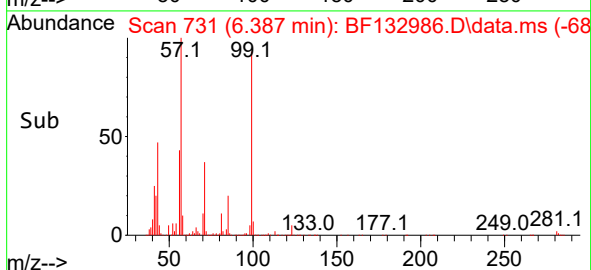
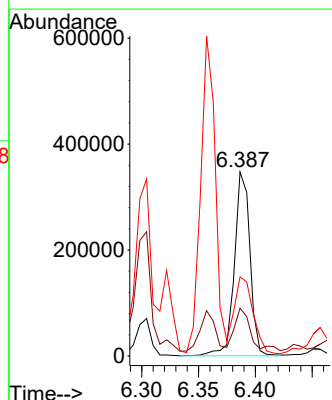
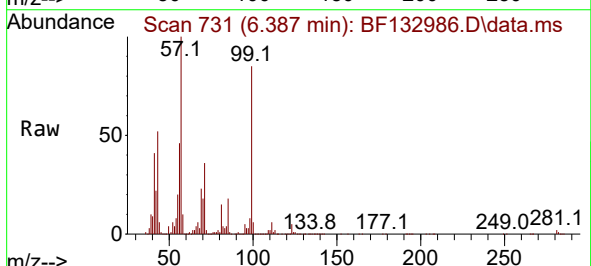
Instrument :
BNA_F
ClientSampleId :
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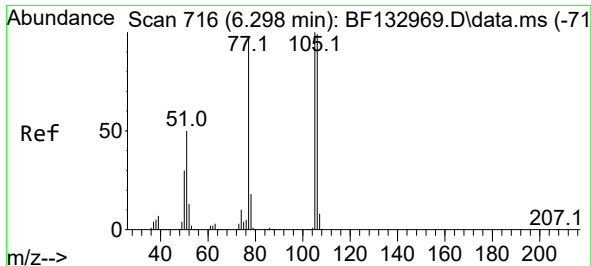
Tgt Ion: 93 Resp: 168220
Ion Ratio Lower Upper
93 100
66 7.5 31.5 47.3#
65 12.8 16.4 24.6#



#7
Phenol-d6
Concen: 21.671 ng
RT: 6.387 min Scan# 731
Delta R.T. -0.000 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

Tgt Ion: 99 Resp: 330289
Ion Ratio Lower Upper
99 100
42 26.0 16.3 24.5#
71 43.0 25.6 38.4#

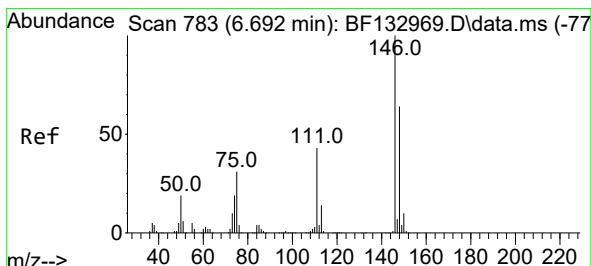
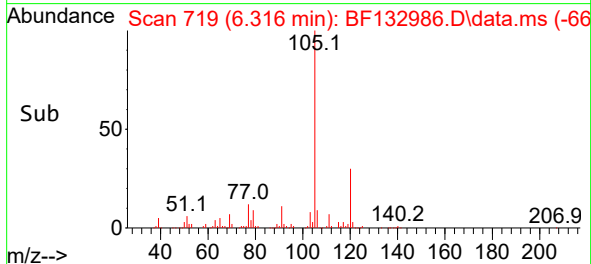
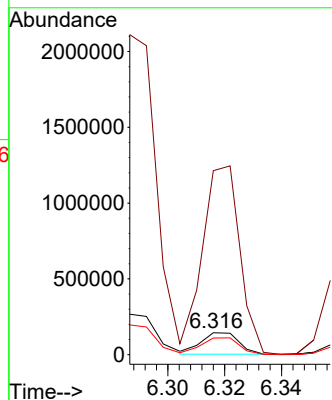
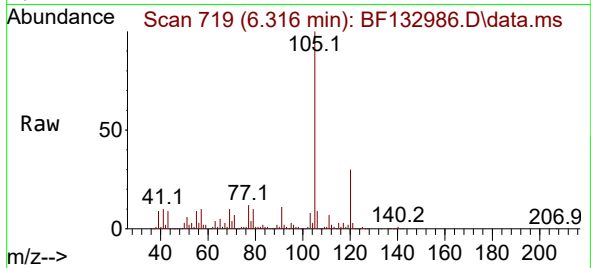




#9
Benzaldehyde
Concen: 12.971 ng
RT: 6.316 min Scan# 716
Delta R.T. 0.018 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

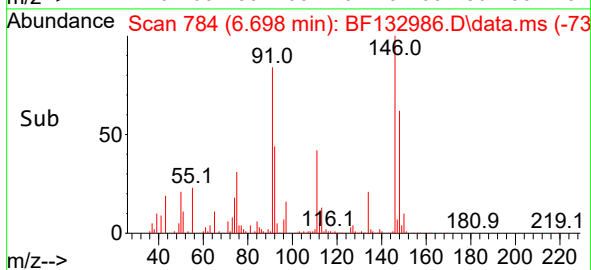
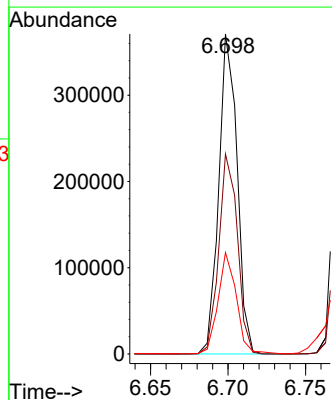
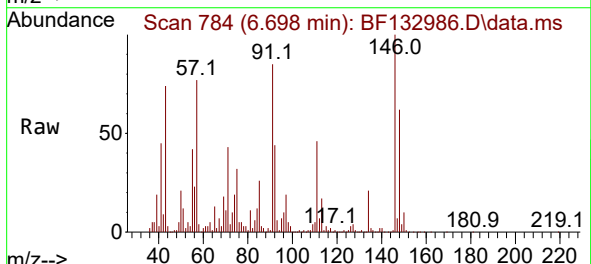
Instrument :
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ClientSampleId :
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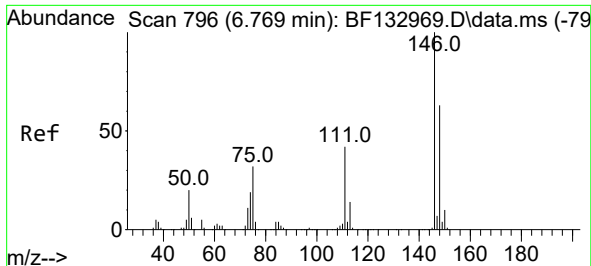
Tgt Ion: 77 Resp: 130594
Ion Ratio Lower Upper
77 100
105 841.2 82.3 122.3#
106 76.3 80.8 120.8#



#12
1,3-Dichlorobenzene
Concen: 22.981 ng
RT: 6.698 min Scan# 784
Delta R.T. 0.006 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

Tgt Ion:146 Resp: 304619
Ion Ratio Lower Upper
146 100
148 62.5 51.0 76.4
75 31.7 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 84.442 ng

RT: 6.781 min Scan# 796

Delta R.T. 0.012 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04

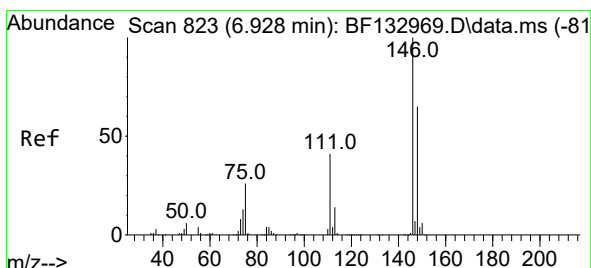
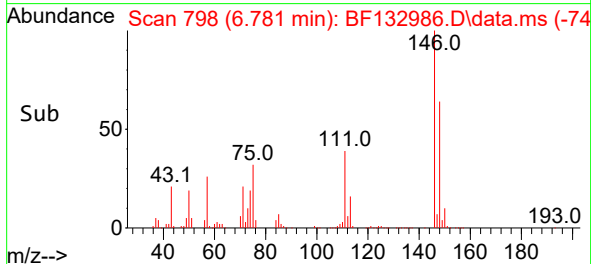
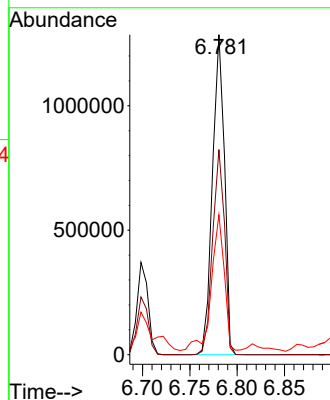
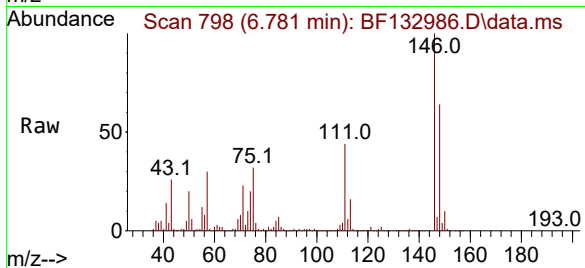
Tgt Ion:146 Resp: 1121779

Ion Ratio Lower Upper

146 100

148 64.1 50.3 75.5

111 43.7 33.8 50.6



#14

1,2-Dichlorobenzene

Concen: 106.454 ng

RT: 6.939 min Scan# 825

Delta R.T. 0.012 min

Lab File: BF132986.D

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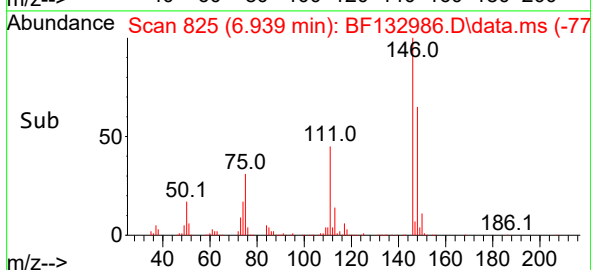
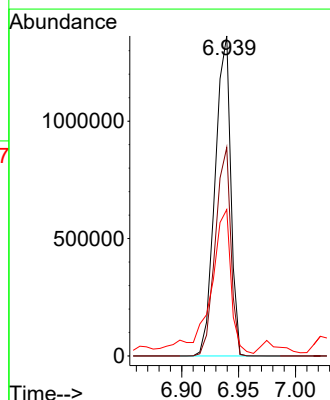
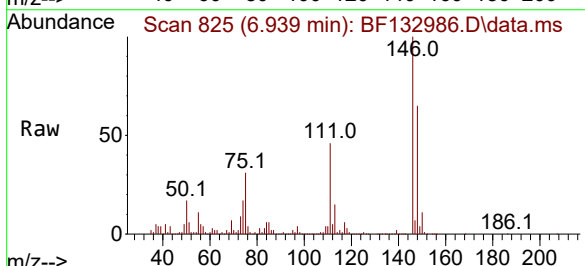
Tgt Ion:146 Resp: 1303808

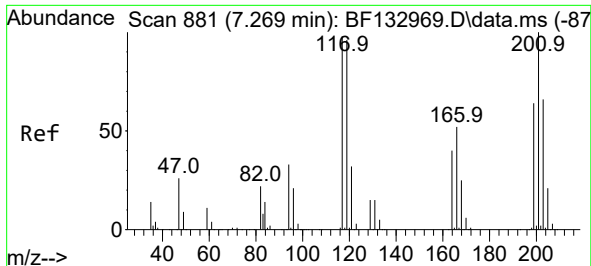
Ion Ratio Lower Upper

146 100

148 65.1 52.2 78.2

111 45.8 32.8 49.2

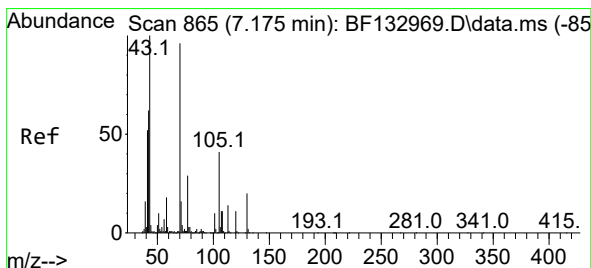
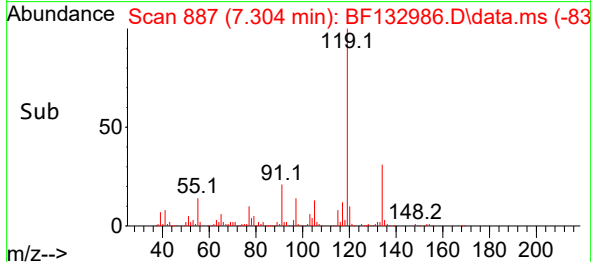
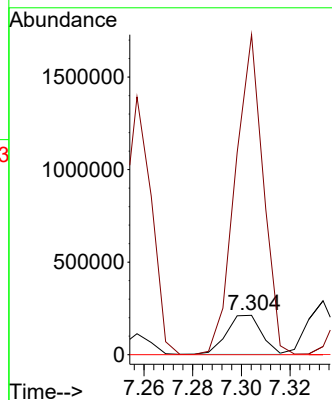
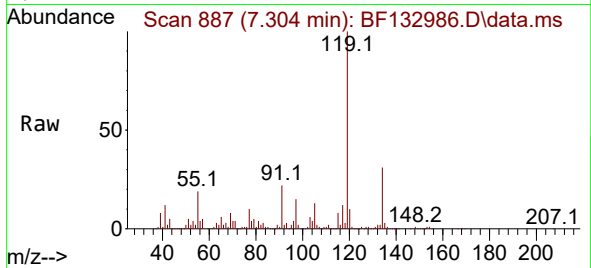




#18
Hexachloroethane
Concen: 45.695 ng
RT: 7.304 min Scan# 881
Delta R.T. 0.035 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

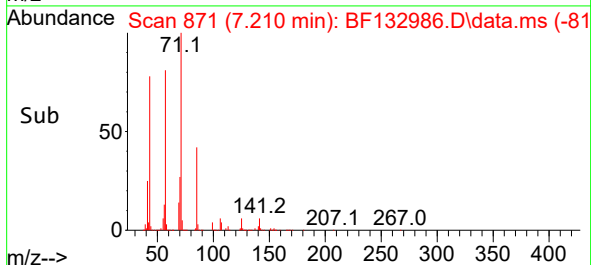
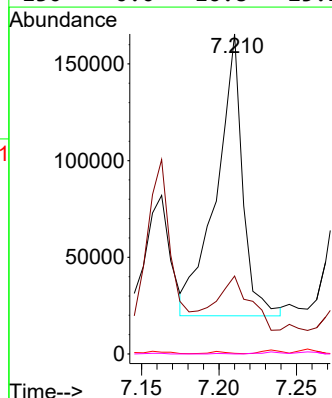
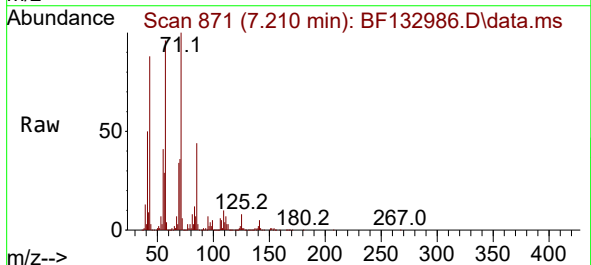
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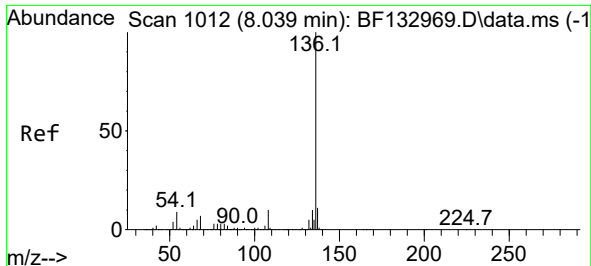
Tgt Ion:117 Resp: 211048
Ion Ratio Lower Upper
117 100
119 811.8 78.2 117.4#
201 0.0 81.7 122.5#



#19
n-Nitroso-di-n-propylamine
Concen: 17.996 ng
RT: 7.210 min Scan# 871
Delta R.T. 0.035 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

Tgt Ion: 70 Resp: 170750
Ion Ratio Lower Upper
70 100
42 24.4 51.8 77.6#
101 0.2 8.0 12.0#
130 0.0 16.8 25.2#

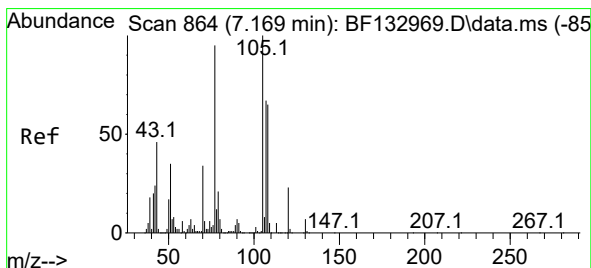
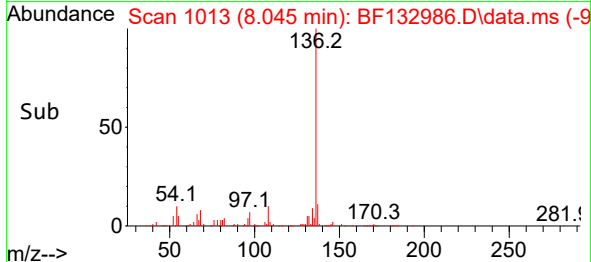
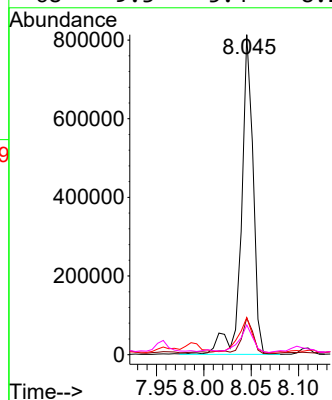
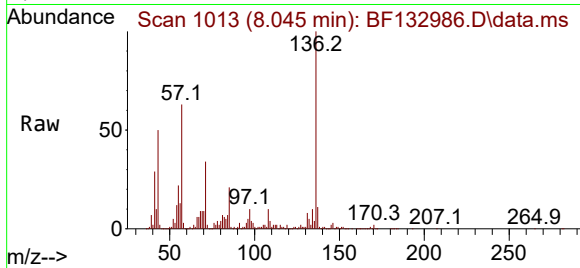




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.045 min Scan# 1012
Delta R.T. 0.006 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

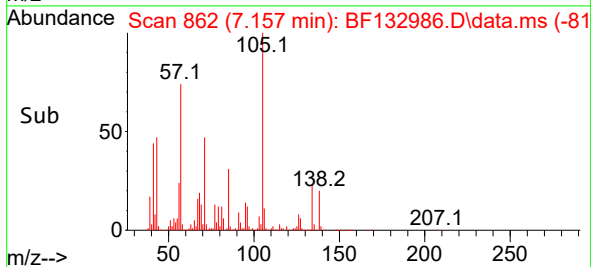
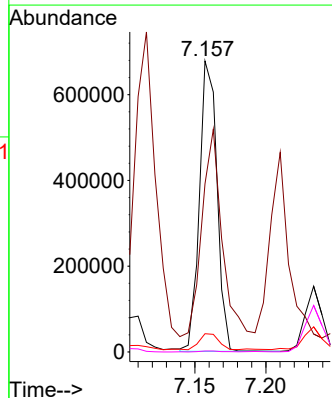
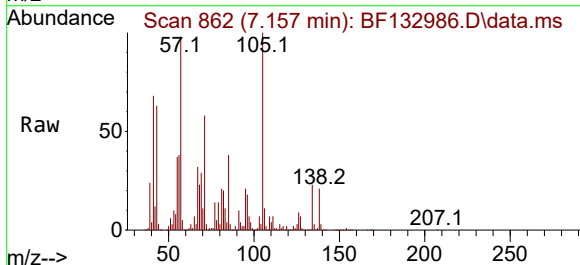
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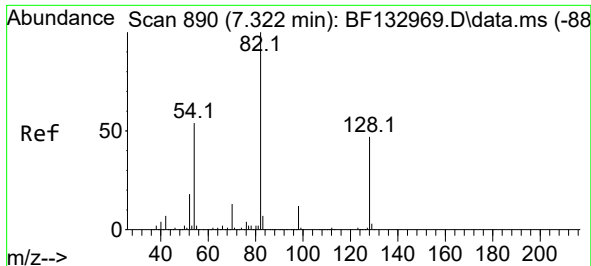
Tgt Ion:136 Resp: 695131
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 11.6 7.0 10.4#
68 9.3 5.4 8.2#



#22
Acetophenone
Concen: 36.174 ng
RT: 7.157 min Scan# 862
Delta R.T. -0.012 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

Tgt Ion:105 Resp: 582486
Ion Ratio Lower Upper
105 100
71 57.8 4.6 7.0#
51 6.3 28.2 42.2#
120 0.3 18.4 27.6#





#23

Nitrobenzene-d5

Concen: 18.788 ng

RT: 7.316 min Scan# 890

Delta R.T. -0.006 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04

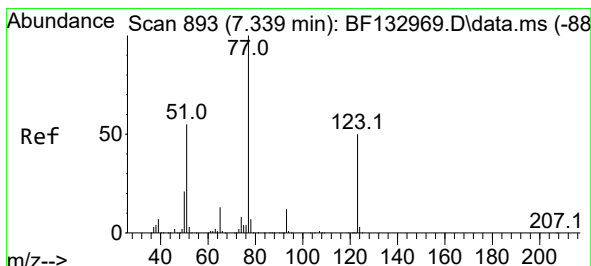
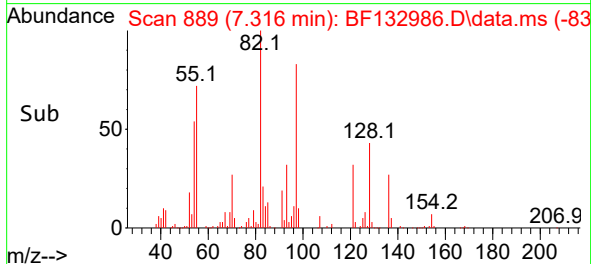
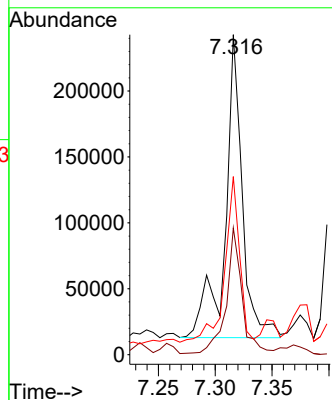
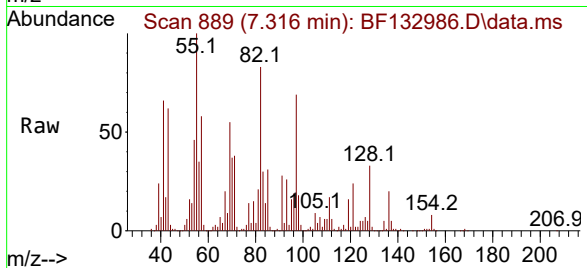
Tgt Ion: 82 Resp: 241962

Ion Ratio Lower Upper

82 100

128 39.6 37.7 56.5

54 55.6 43.0 64.4



#24

Nitrobenzene

Concen: 2.313 ng

RT: 7.339 min Scan# 893

Delta R.T. -0.000 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

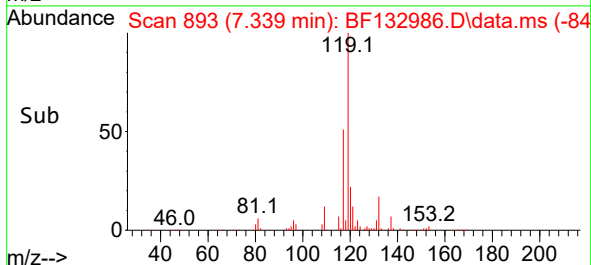
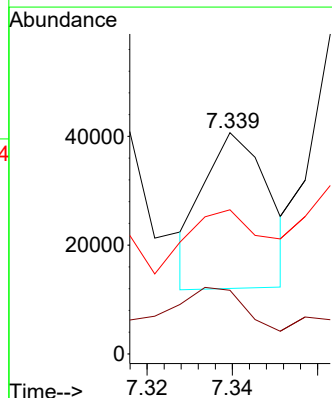
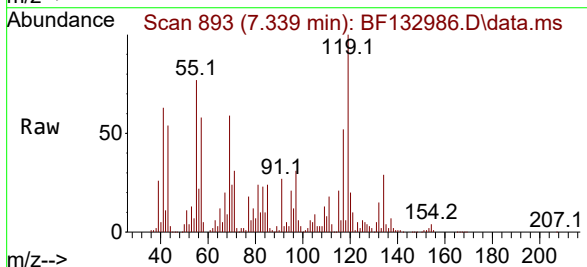
Tgt Ion: 77 Resp: 30183

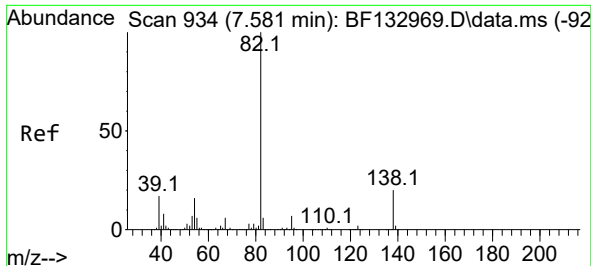
Ion Ratio Lower Upper

77 100

123 28.8 39.9 59.9#

65 65.2 10.7 16.1#

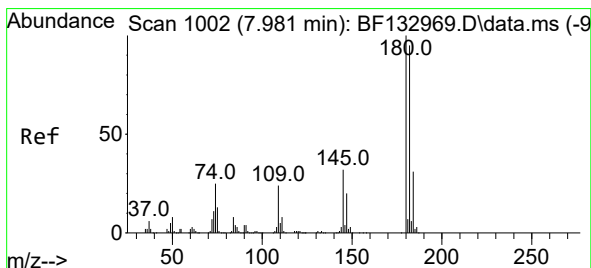
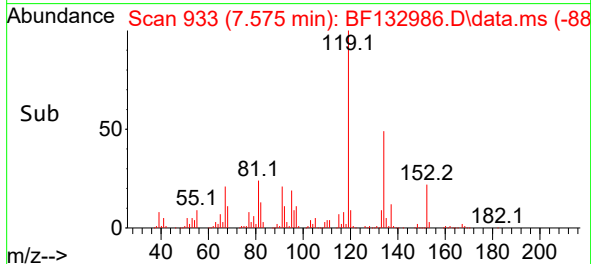
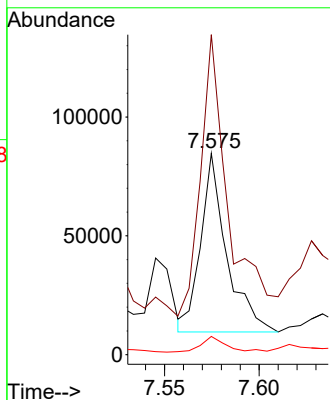
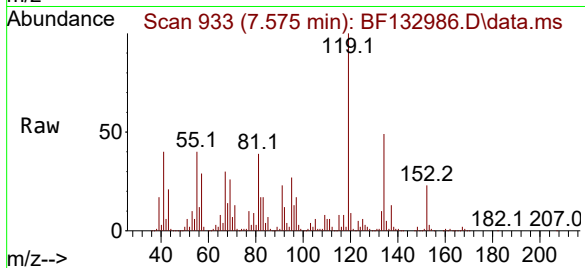




#25
Isophorone
Concen: 2.921 ng
RT: 7.575 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

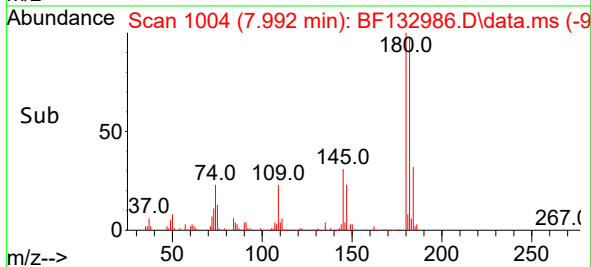
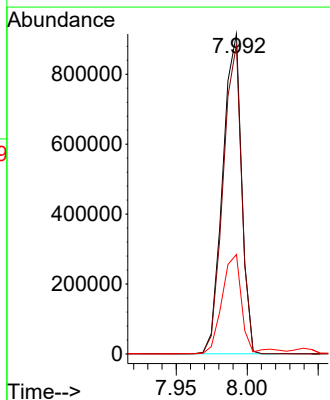
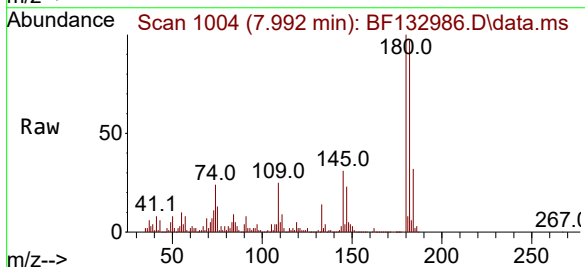
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04

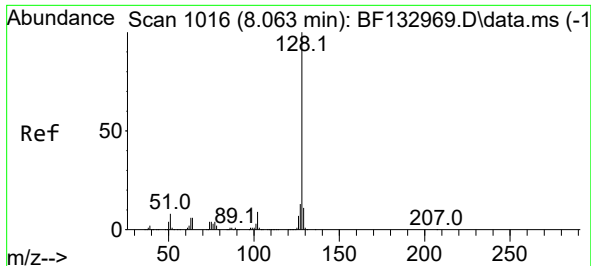
Tgt Ion: 82 Resp: 71426
Ion Ratio Lower Upper
82 100
95 159.0 5.4 8.0#
138 9.0 16.0 24.0#



#30
1,2,4-Trichlorobenzene
Concen: 82.529 ng
RT: 7.992 min Scan# 1004
Delta R.T. 0.012 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

Tgt Ion: 180 Resp: 840070
Ion Ratio Lower Upper
180 100
182 96.9 75.9 113.9
145 31.1 25.3 37.9

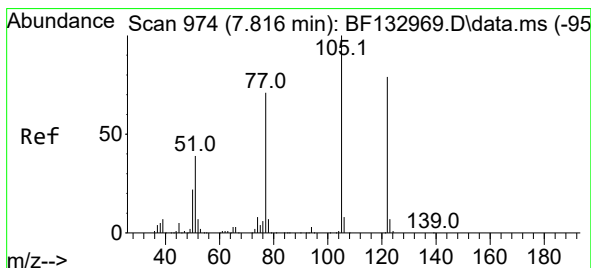
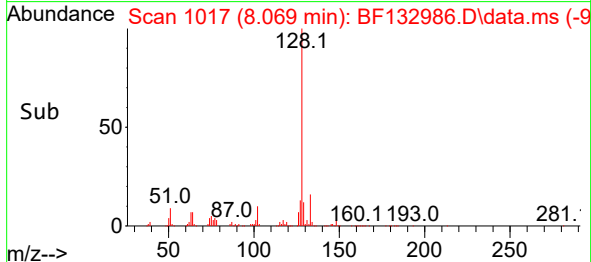
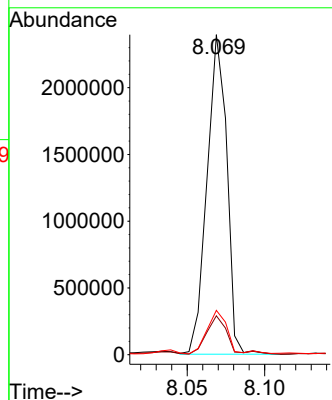
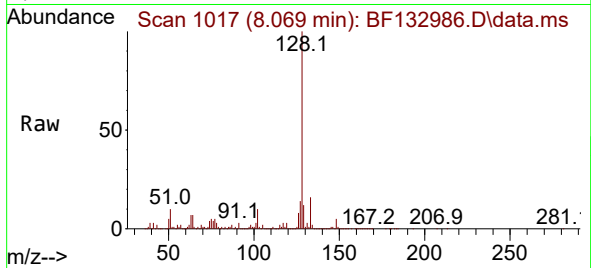




#31
Naphthalene
Concen: 61.190 ng
RT: 8.069 min Scan# 1016
Delta R.T. 0.006 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

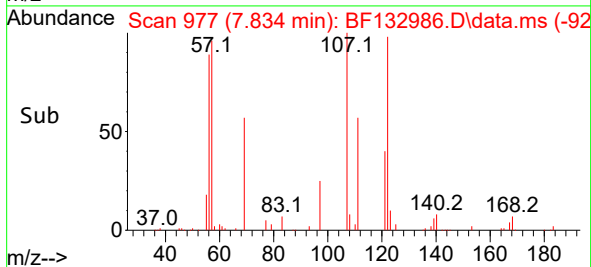
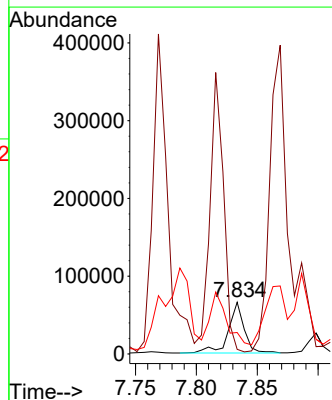
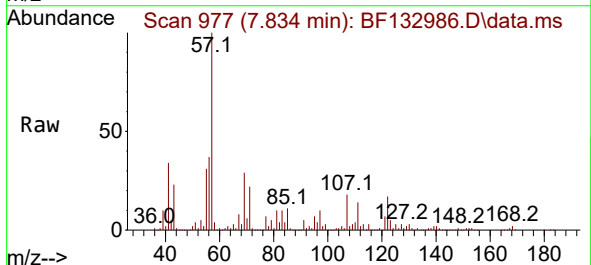
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04

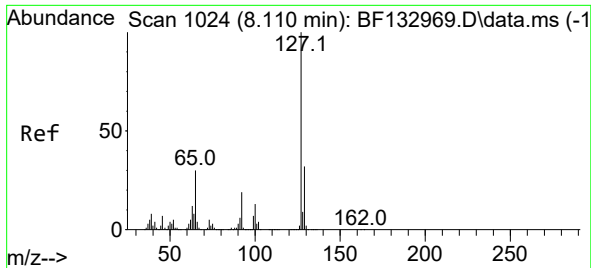
Tgt Ion:128 Resp: 2126608
Ion Ratio Lower Upper
128 100
129 12.1 8.8 13.2
127 13.9 10.7 16.1



#32
Benzoic acid
Concen: 8.790 ng
RT: 7.834 min Scan# 977
Delta R.T. 0.018 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

Tgt Ion:122 Resp: 58603
Ion Ratio Lower Upper
122 100
105 9.0 104.2 144.2#
77 41.4 69.7 109.7#

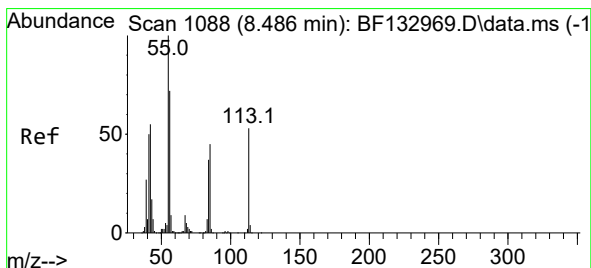
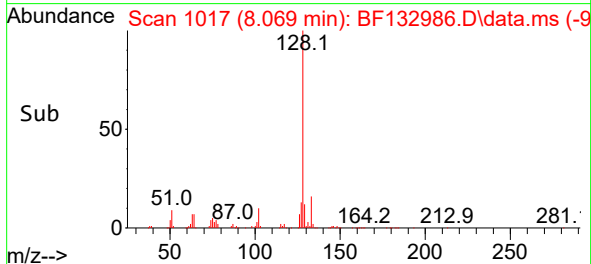
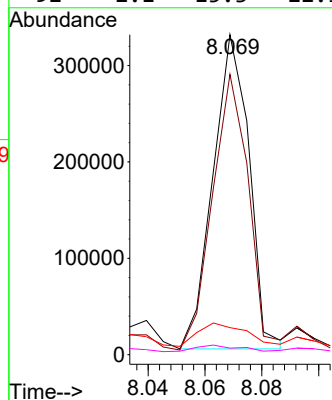
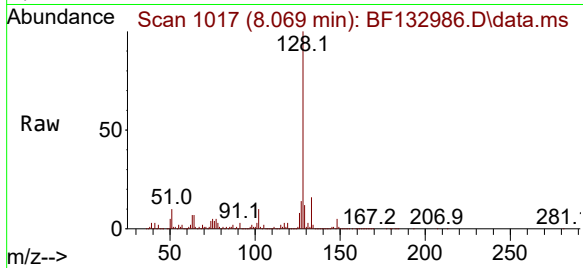




#33
4-Chloroaniline
Concen: 20.471 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.041 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

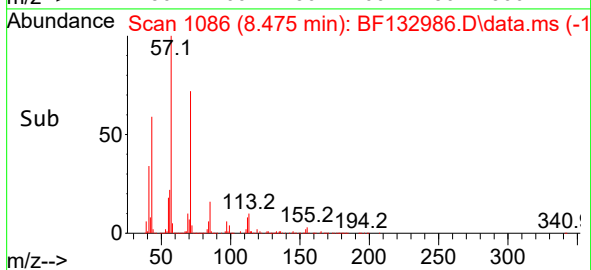
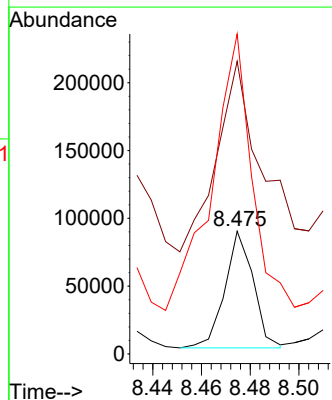
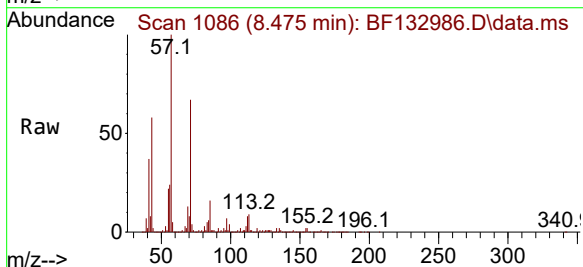
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04

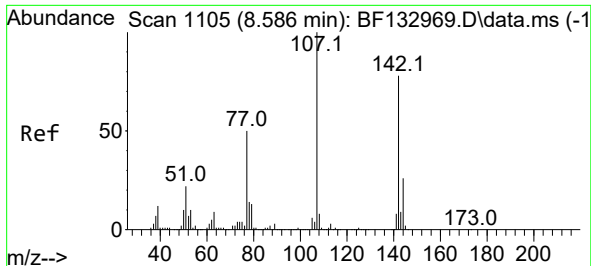
Tgt Ion:	127	Resp:	287458
Ion	Ratio	Lower	Upper
127	100		
129	87.6	25.8	38.8#
65	8.4	23.6	35.4#
92	2.1	15.3	22.9#



#35
Caprolactam
Concen: 21.174 ng
RT: 8.475 min Scan# 1086
Delta R.T. -0.012 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

Tgt Ion:	113	Resp:	69889
Ion	Ratio	Lower	Upper
113	100		
55	238.5	167.1	207.1#
56	260.8	114.5	154.5#





#36

4-Chloro-3-methylphenol

Concen: 3.753 ng

RT: 8.616 min Scan# 1110

Delta R.T. 0.029 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04

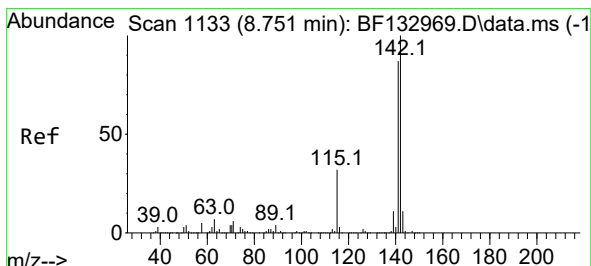
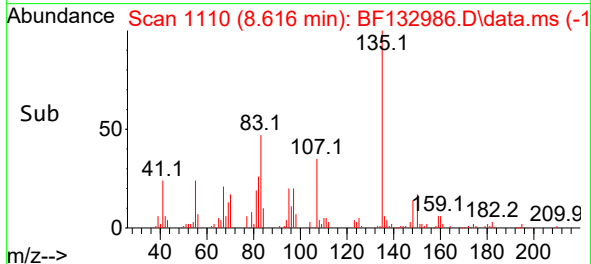
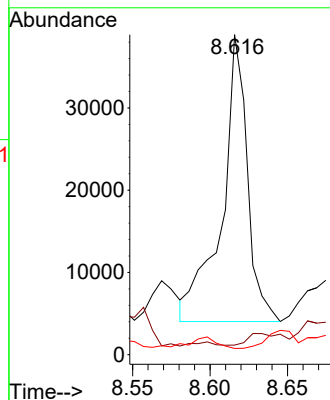
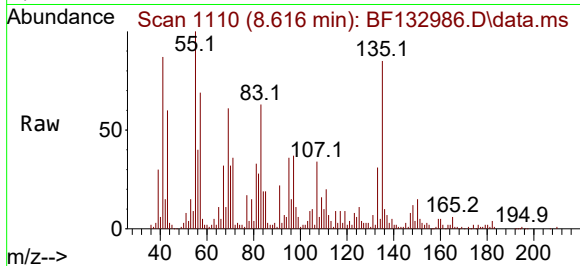
Tgt Ion:107 Resp: 39762

Ion Ratio Lower Upper

107 100

144 3.0 20.6 30.8#

142 1.9 62.8 94.2#



#37

2-Methylnaphthalene

Concen: 71.543 ng

RT: 8.757 min Scan# 1134

Delta R.T. 0.006 min

Lab File: BF132986.D

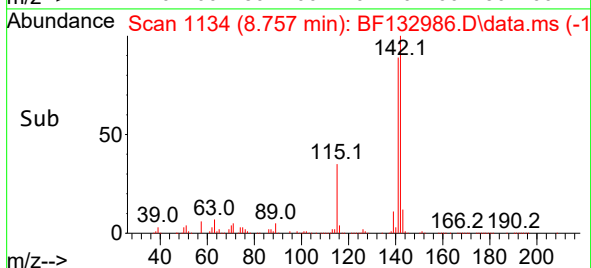
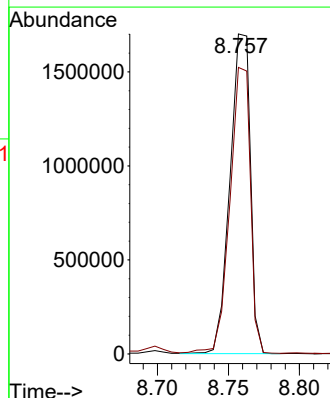
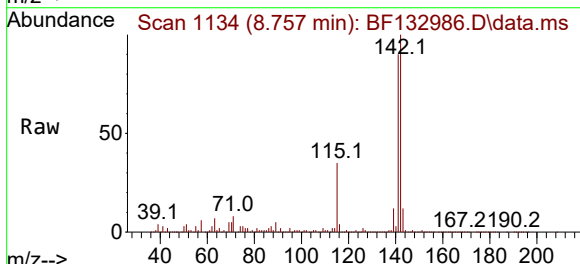
Acq: 22 Apr 2023 00:14

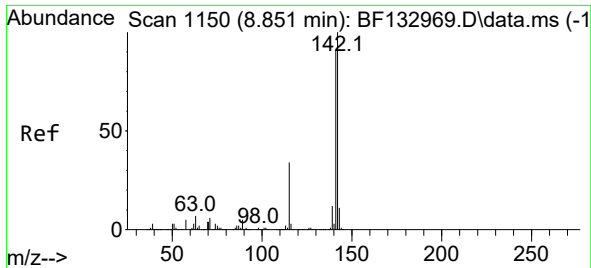
Tgt Ion:142 Resp: 1699904

Ion Ratio Lower Upper

142 100

141 89.5 69.4 104.0

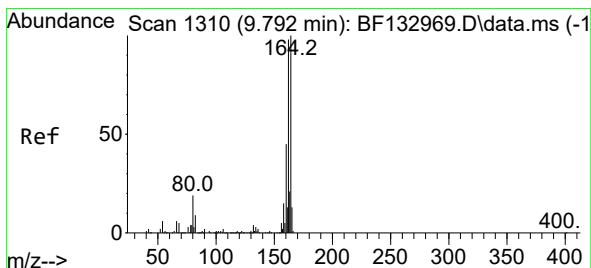
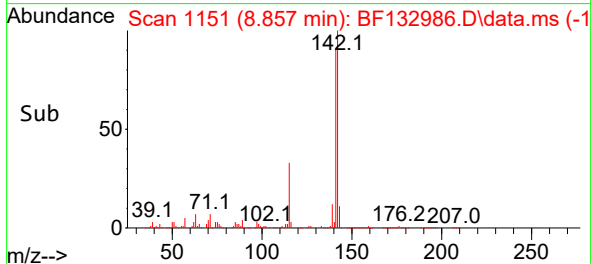
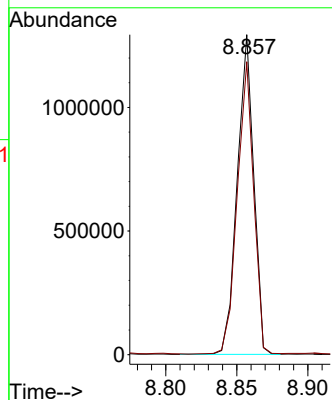
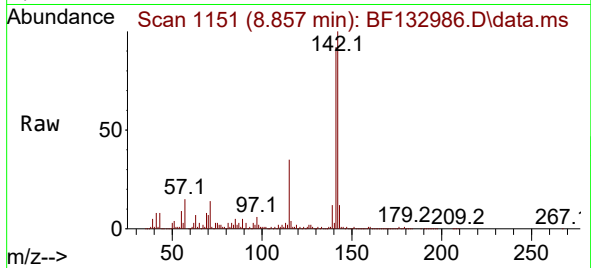




#38
1-Methylnaphthalene
Concen: 46.954 ng
RT: 8.857 min Scan# 1151
Delta R.T. 0.006 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

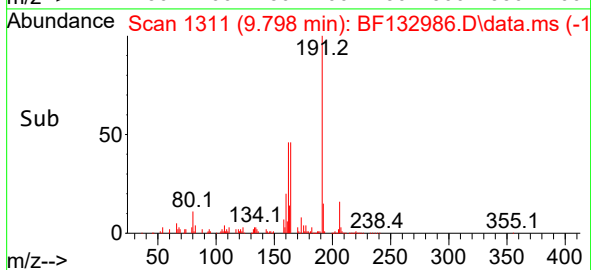
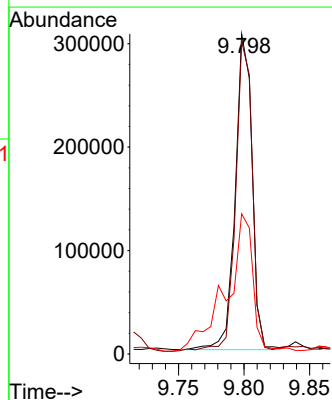
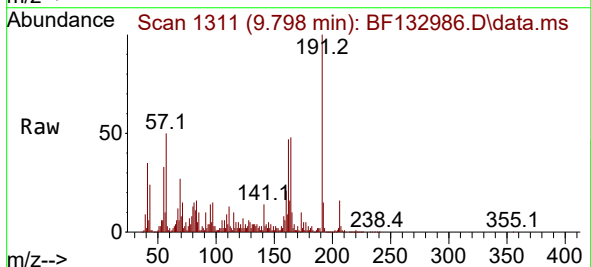
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04

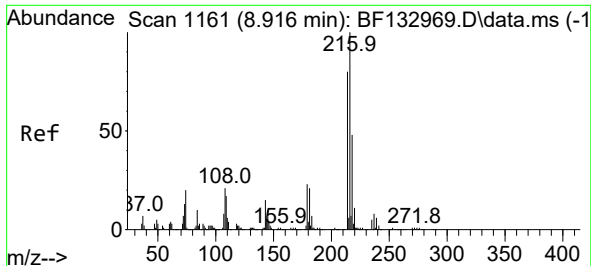
Tgt Ion:142 Resp: 1043671
Ion Ratio Lower Upper
142 100
141 91.6 73.1 109.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.006 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

Tgt Ion:164 Resp: 273116
Ion Ratio Lower Upper
164 100
162 97.7 78.7 118.1
160 43.8 35.8 53.6





#40

1,2,4,5-Tetrachlorobenzene

Concen: 2.510 ng

RT: 8.922 min Scan# 1161

Delta R.T. 0.006 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04

Tgt Ion:216 Resp: 18434

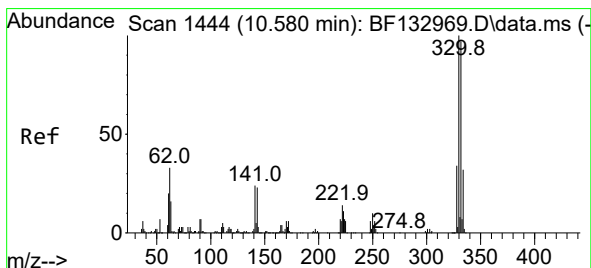
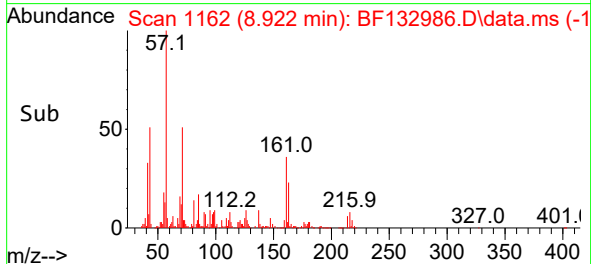
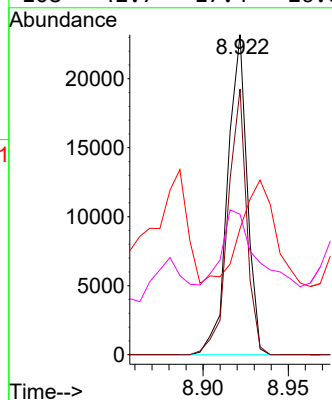
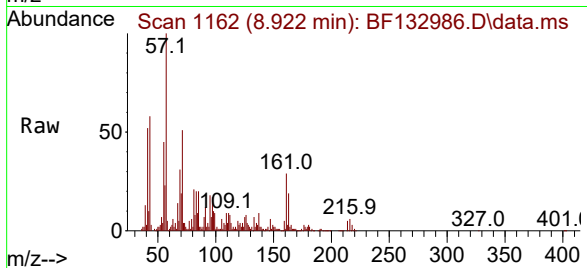
Ion Ratio Lower Upper

216 100

214 80.1 63.5 95.3

179 60.4 17.4 26.2#

108 42.7 17.4 26.0#



#42

2,4,6-Tribromophenol

Concen: 17.477 ng

RT: 10.592 min Scan# 1446

Delta R.T. 0.012 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

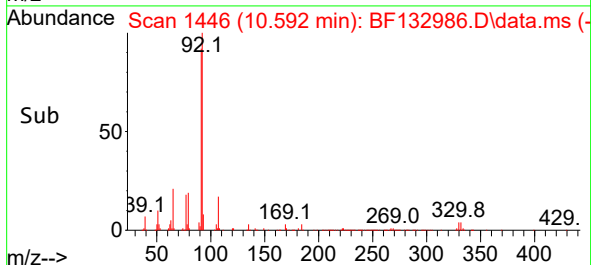
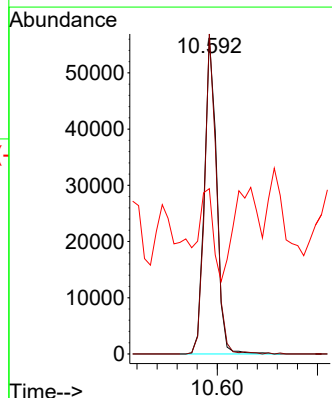
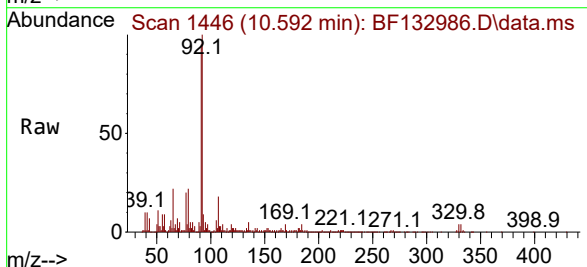
Tgt Ion:330 Resp: 48003

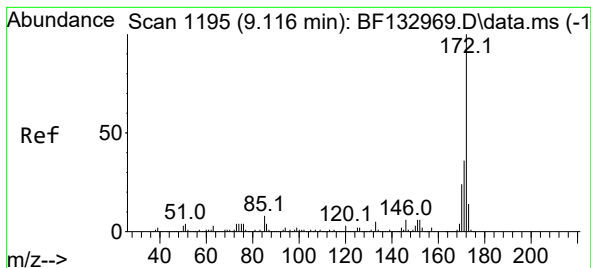
Ion Ratio Lower Upper

330 100

332 98.1 77.1 115.7

141 32.4 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 19.789 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.000 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04

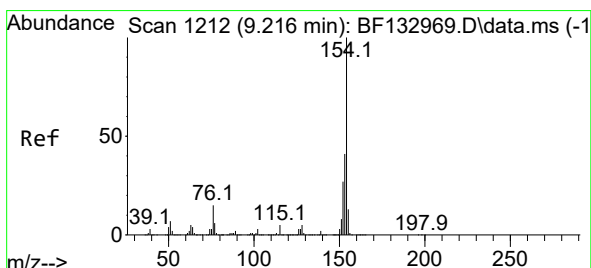
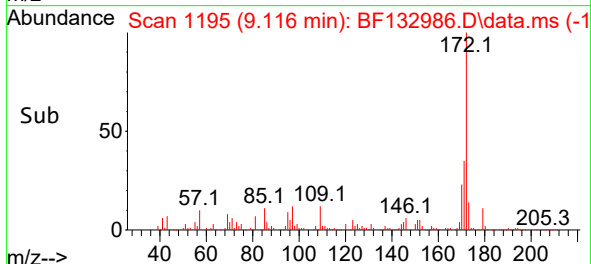
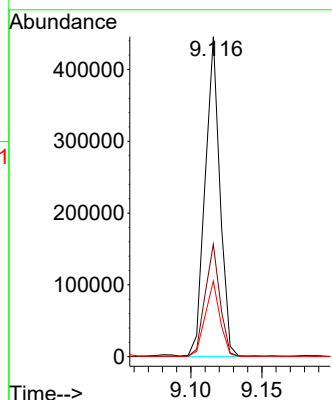
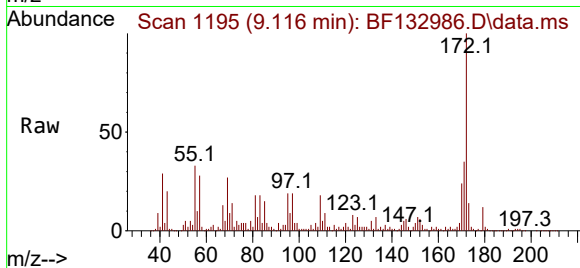
Tgt Ion:172 Resp: 323056

Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 23.6 19.4 29.2



#46

1,1'-Biphenyl

Concen: 46.152 ng

RT: 9.222 min Scan# 1213

Delta R.T. 0.006 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

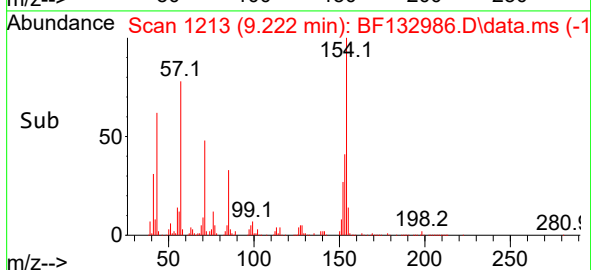
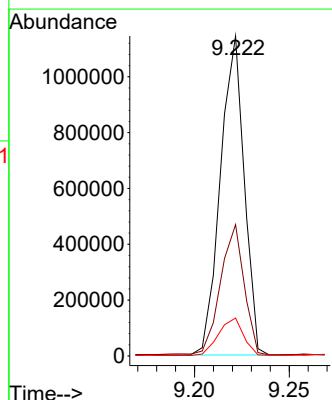
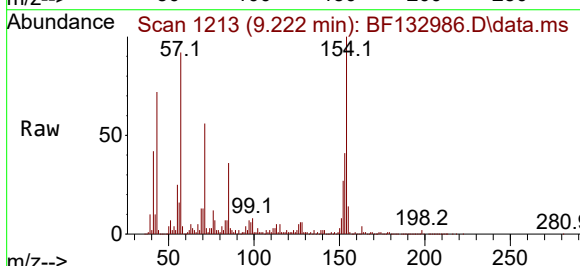
Tgt Ion:154 Resp: 999500

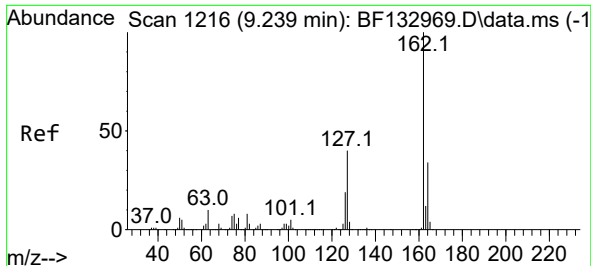
Ion Ratio Lower Upper

154 100

153 41.1 21.0 61.0

76 11.9 0.0 34.5

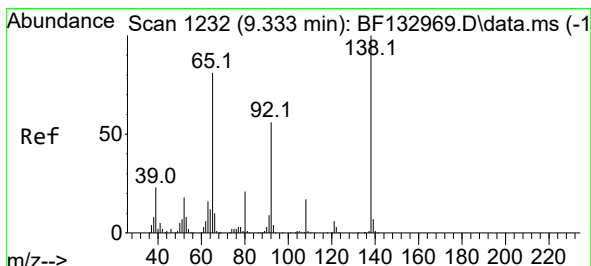
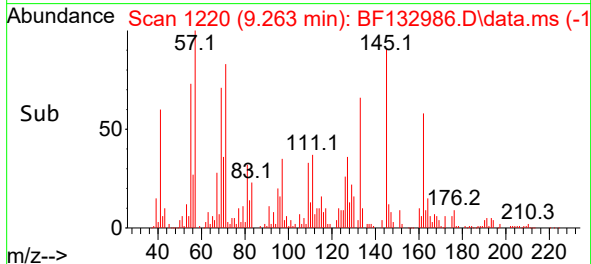
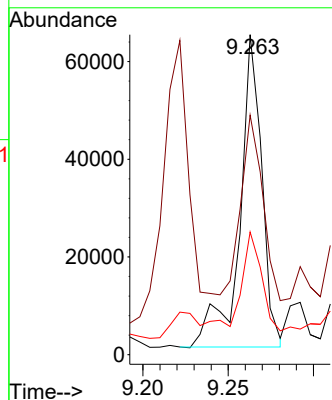
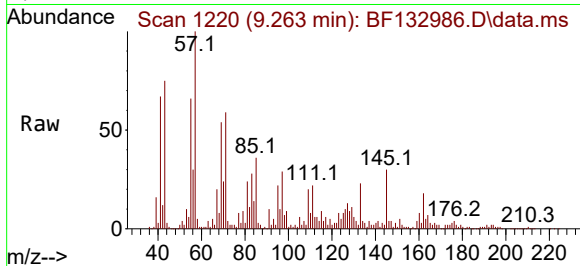




#47
2-Chloronaphthalene
Concen: 3.632 ng
RT: 9.263 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

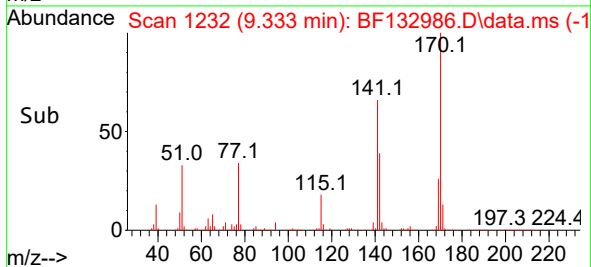
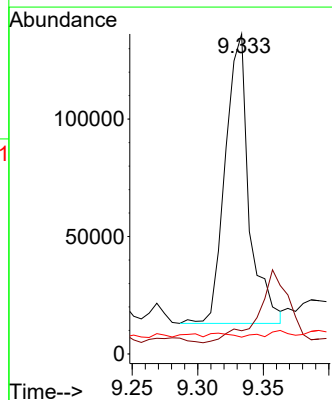
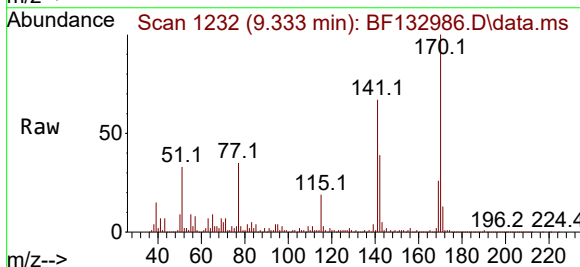
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04

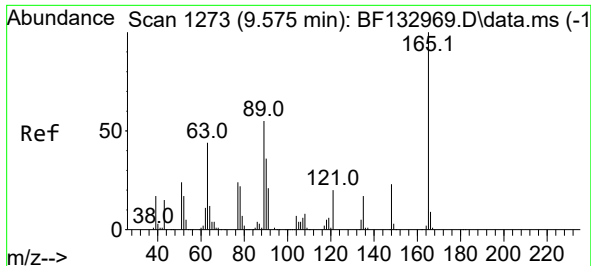
Tgt Ion:162 Resp: 57570
Ion Ratio Lower Upper
162 100
127 74.9 32.3 48.5#
164 38.4 26.8 40.2



#48
2-Nitroaniline
Concen: 29.598 ng
RT: 9.333 min Scan# 1232
Delta R.T. -0.000 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

Tgt Ion: 65 Resp: 155057
Ion Ratio Lower Upper
65 100
92 7.3 55.4 83.0#
138 5.3 98.2 147.2#

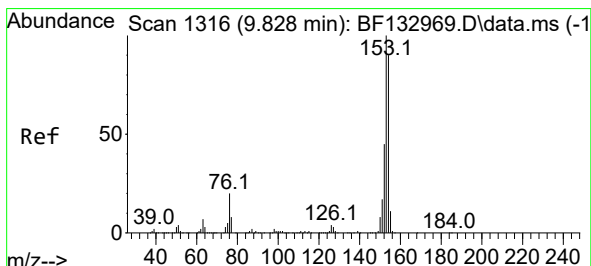
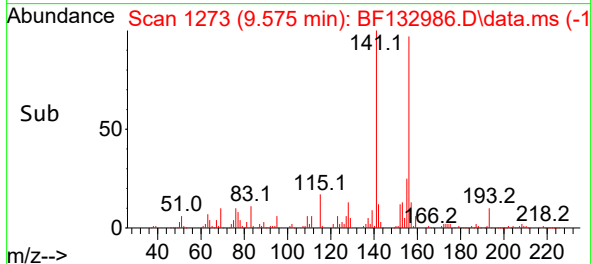
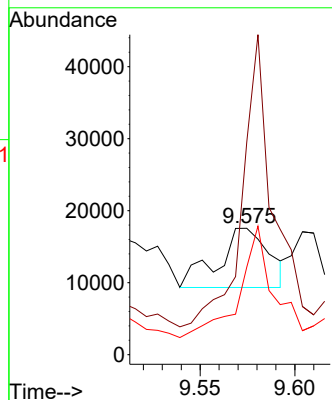
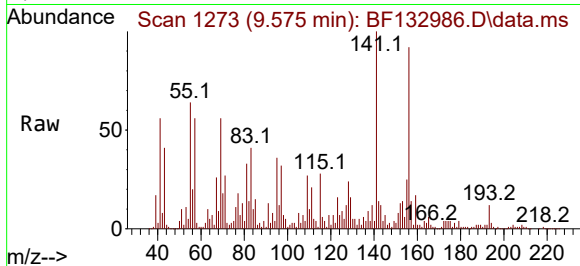




#51
2,6-Dinitrotoluene
Concen: 3.589 ng
RT: 9.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

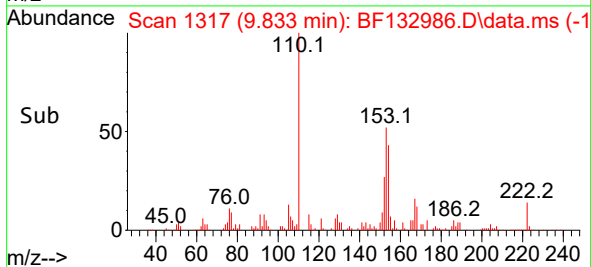
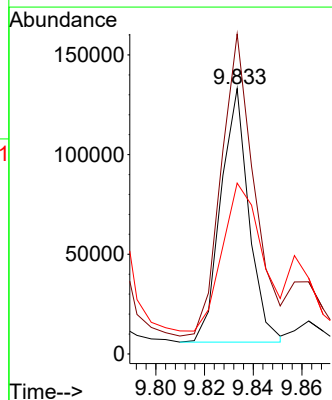
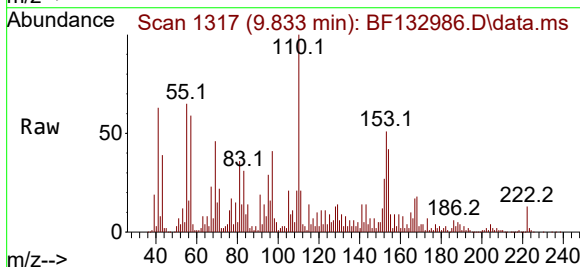
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04

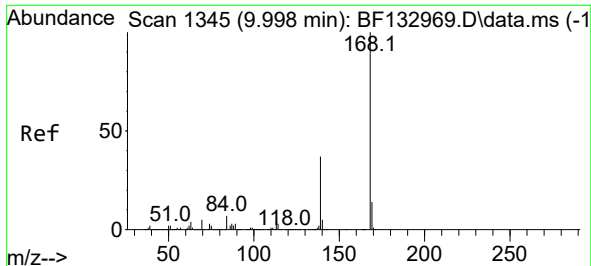
Tgt Ion:165 Resp: 15385
Ion Ratio Lower Upper
165 100
63 168.2 45.9 68.9#
89 69.3 44.0 66.0#



#52
Acenaphthene
Concen: 6.019 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

Tgt Ion:154 Resp: 102100
Ion Ratio Lower Upper
154 100
153 120.5 89.0 133.6
152 64.4 40.4 60.6#

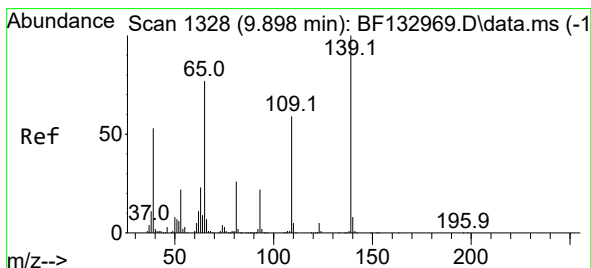
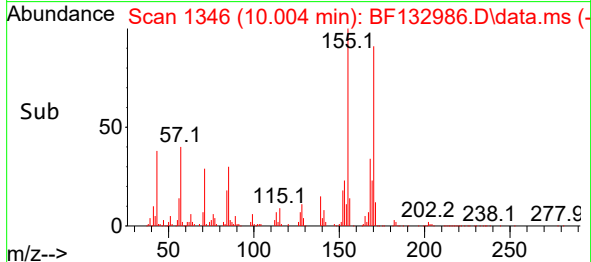
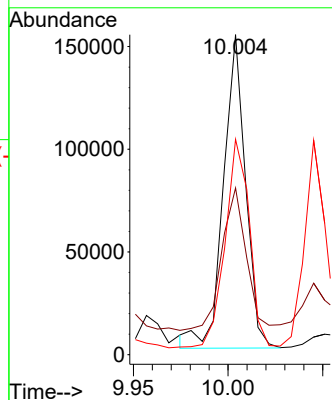
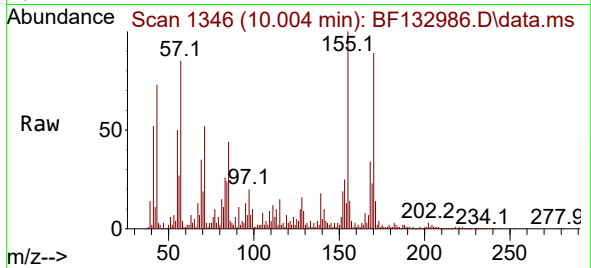




#55
Dibenzofuran
Concen: 5.355 ng
RT: 10.004 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

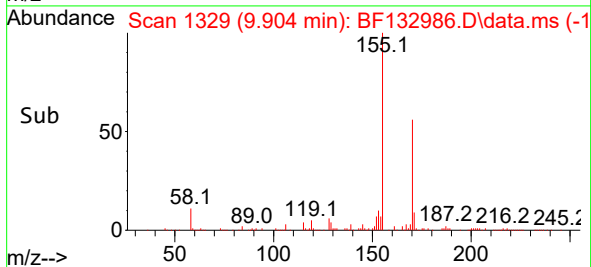
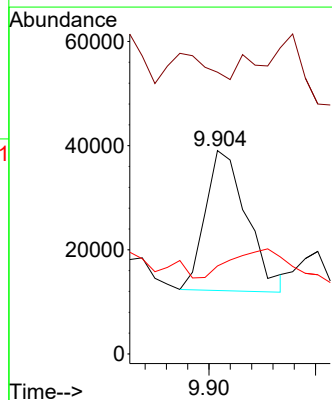
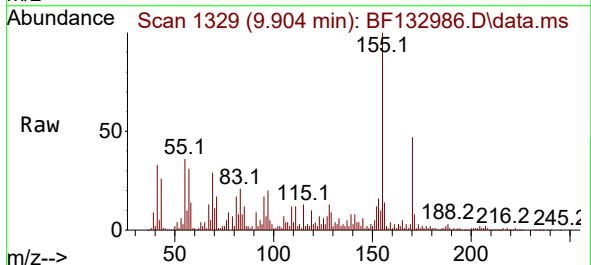
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04

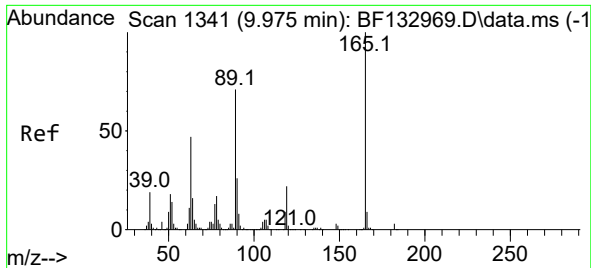
Tgt Ion:168 Resp: 123903
Ion Ratio Lower Upper
168 100
139 52.1 29.8 44.8#
169 67.3 10.8 16.2#



#56
4-Nitrophenol
Concen: 9.206 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.006 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

Tgt Ion:139 Resp: 36338
Ion Ratio Lower Upper
139 100
109 138.5 39.4 79.4#
65 43.3 57.5 97.5#

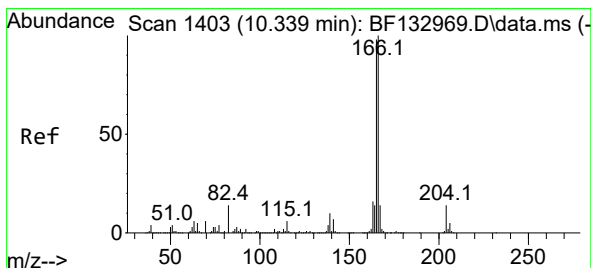
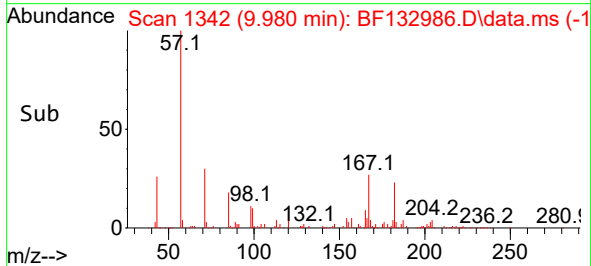
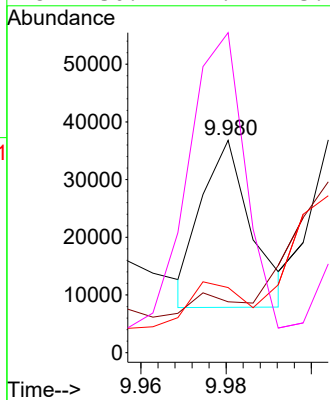
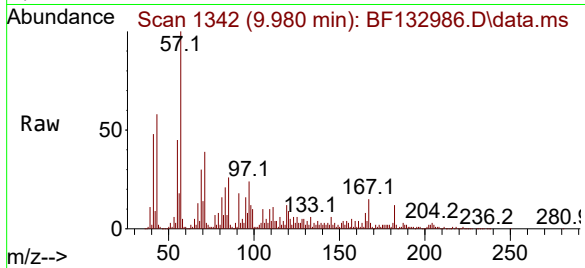




#57
2,4-Dinitrotoluene
Concen: 4.285 ng
RT: 9.980 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

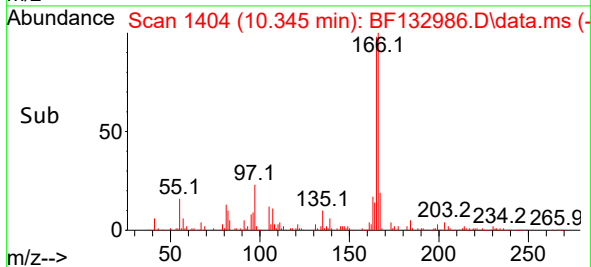
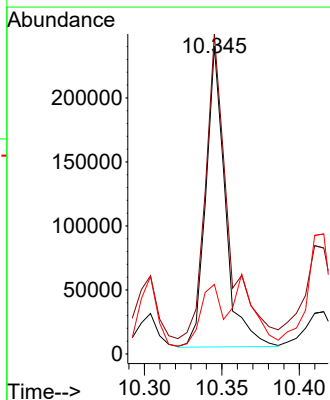
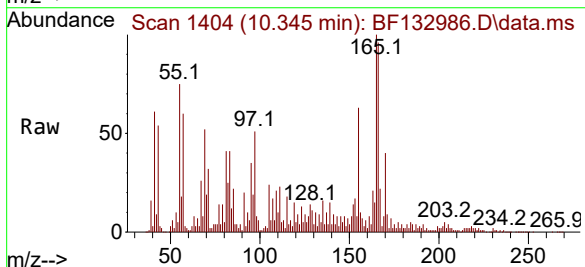
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04

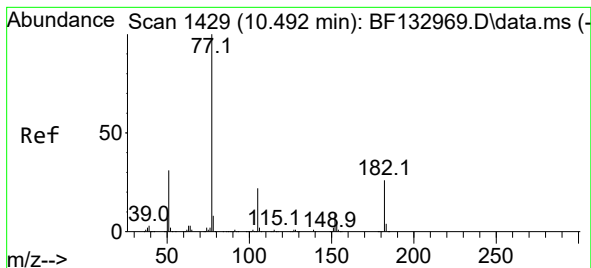
Tgt Ion:165 Resp: 23420
Ion Ratio Lower Upper
165 100
63 23.9 37.7 56.5#
89 30.6 57.0 85.4#
182 150.7 2.1 3.1#



#58
Fluorene
Concen: 12.087 ng
RT: 10.345 min Scan# 1404
Delta R.T. 0.006 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

Tgt Ion:166 Resp: 204913
Ion Ratio Lower Upper
166 100
165 103.9 78.6 117.8
167 22.6 11.0 16.4#





#63

Azobenzene

Concen: 9.384 ng

RT: 10.510 min Scan# 14

Delta R.T. 0.018 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04

Tgt Ion: 77 Resp: 178819

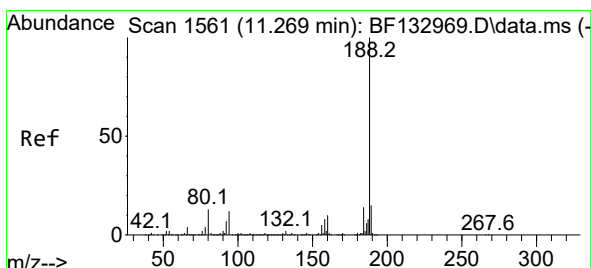
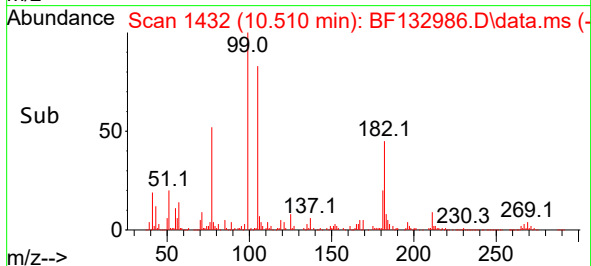
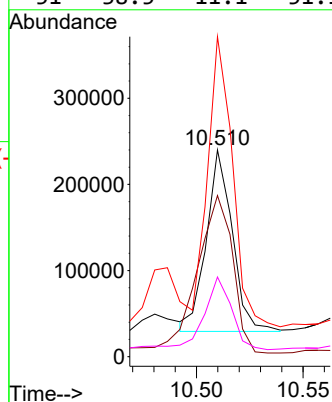
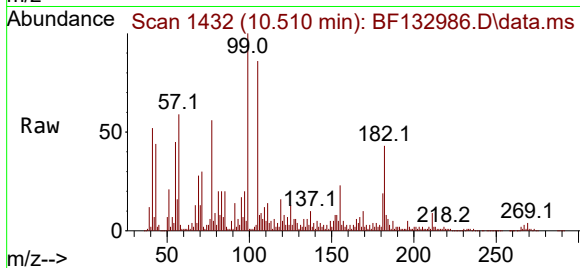
Ion Ratio Lower Upper

77 100

182 78.0 5.9 45.9#

105 154.8 2.3 42.3#

51 38.5 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.292 min Scan# 1565

Delta R.T. 0.024 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

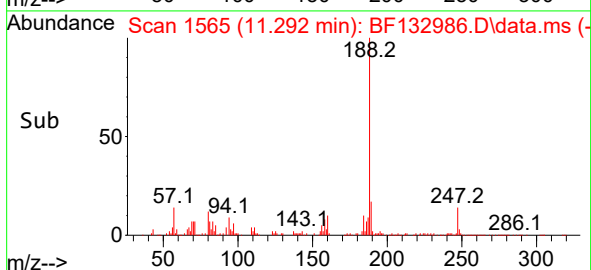
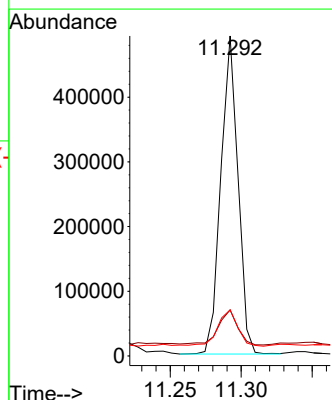
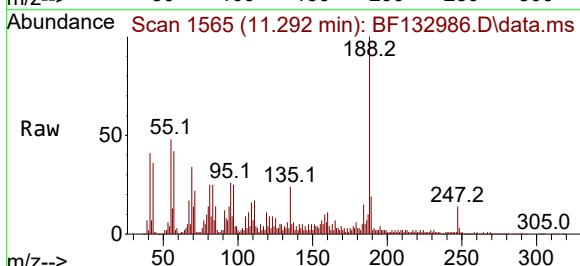
Tgt Ion: 188 Resp: 413329

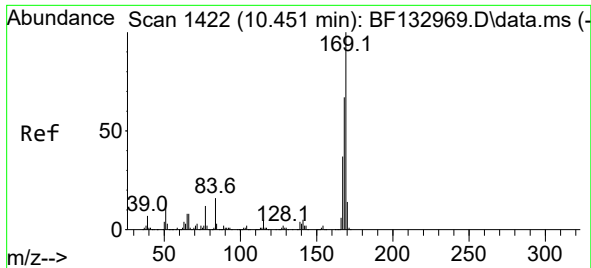
Ion Ratio Lower Upper

188 100

94 14.4 9.7 14.5

80 14.4 10.4 15.6

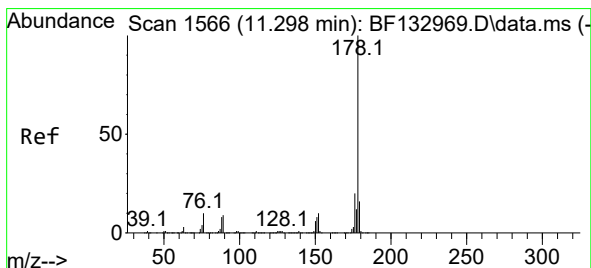
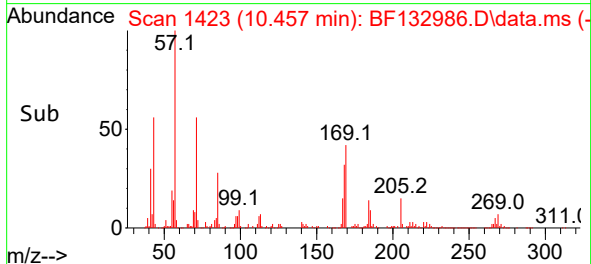
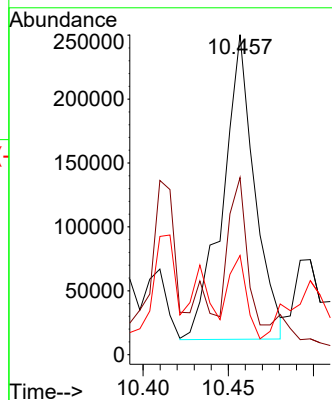
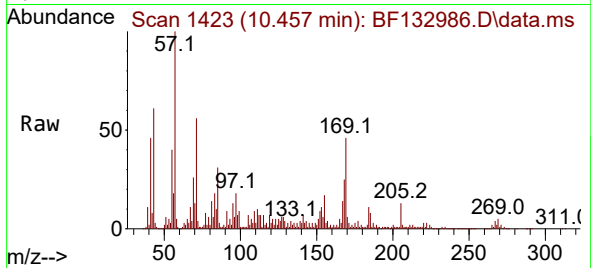




#66
n-Nitrosodiphenylamine
Concen: 23.157 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

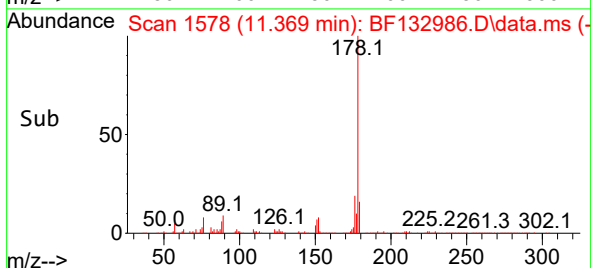
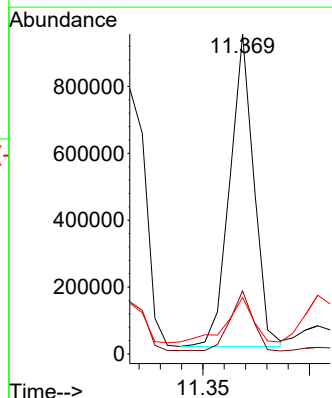
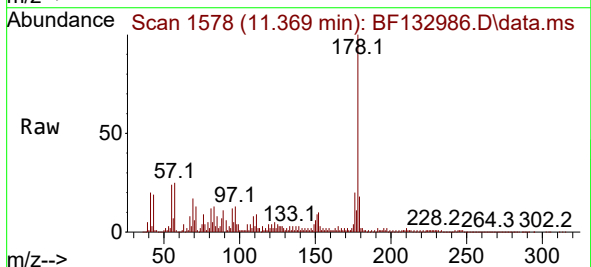
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04

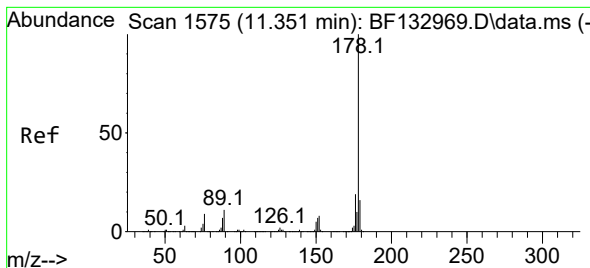
Tgt Ion:169 Resp: 310473
Ion Ratio Lower Upper
169 100
168 55.4 53.8 80.8
167 31.0 29.7 44.5



#71
Phenanthrene
Concen: 33.089 ng
RT: 11.369 min Scan# 1578
Delta R.T. 0.071 min
Lab File: BF132986.D
Acq: 22 Apr 2023 00:14

Tgt Ion:178 Resp: 735089
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 17.7 12.5 18.7





#72

Anthracene

Concen: 32.333 ng

RT: 11.369 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04

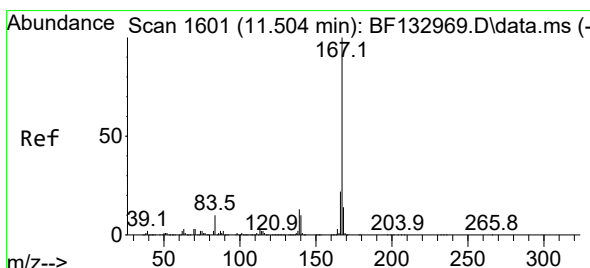
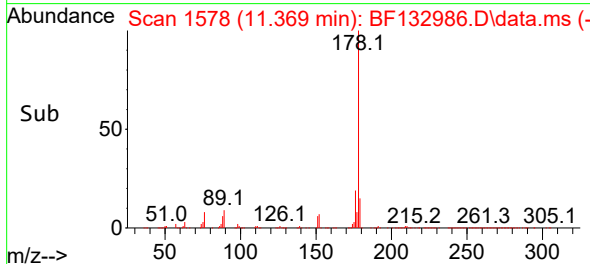
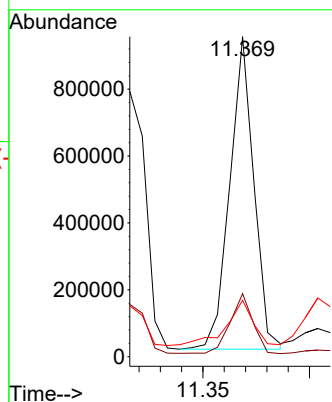
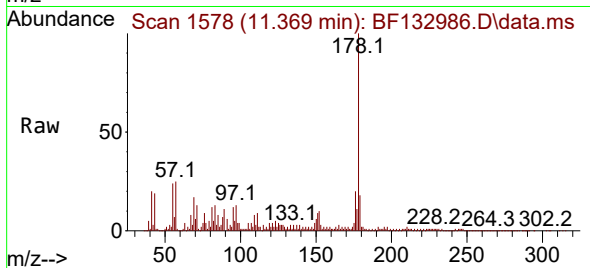
Tgt Ion:178 Resp: 735089

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

179 17.7 12.4 18.6



#73

Carbazole

Concen: 2.187 ng

RT: 11.516 min Scan# 1603

Delta R.T. 0.012 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

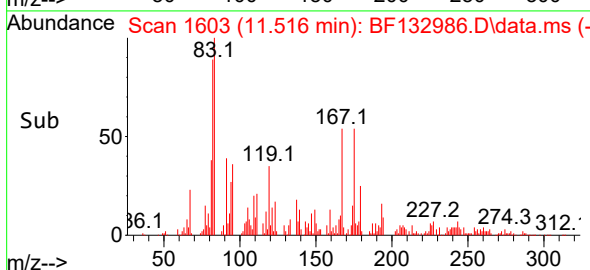
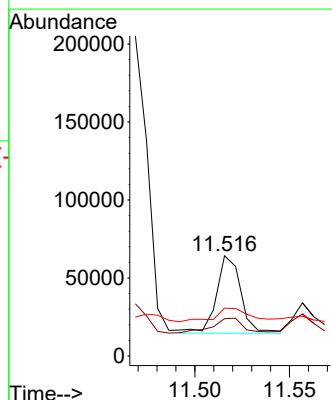
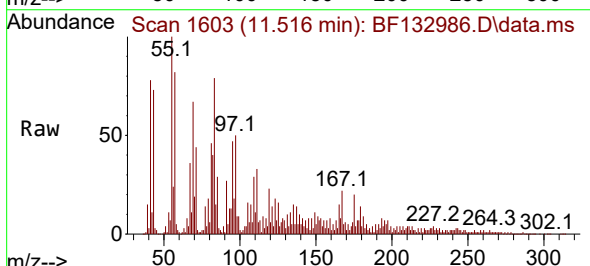
Tgt Ion:167 Resp: 44275

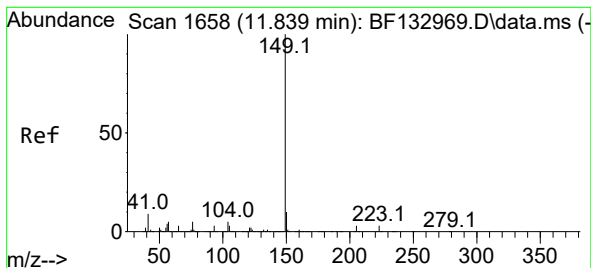
Ion Ratio Lower Upper

167 100

166 37.3 17.4 26.0#

139 47.7 10.6 16.0#





#74

Di-n-butylphthalate

Concen: 5.514 ng

RT: 11.857 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04

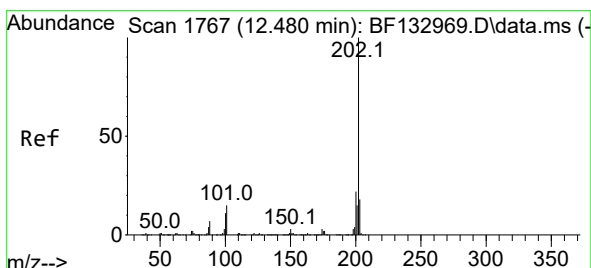
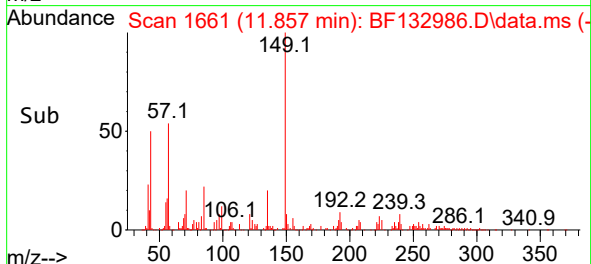
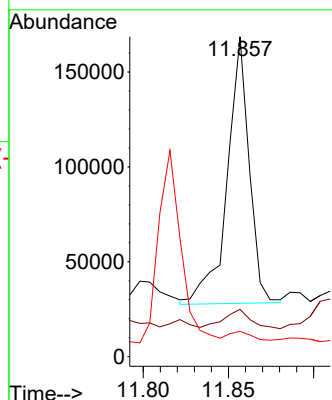
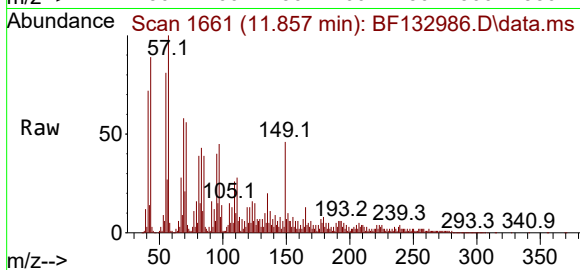
Tgt Ion:149 Resp: 126329

Ion Ratio Lower Upper

149 100

150 14.8 7.6 11.4#

104 7.9 4.0 6.0#



#75

Fluoranthene

Concen: 17.128 ng

RT: 12.510 min Scan# 1772

Delta R.T. 0.029 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

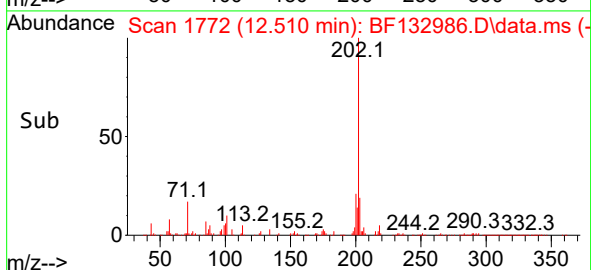
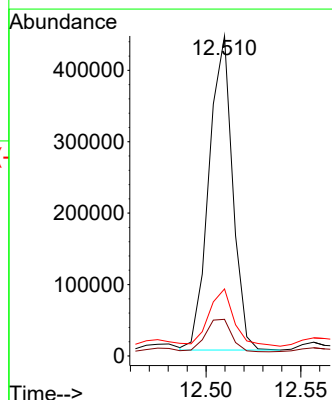
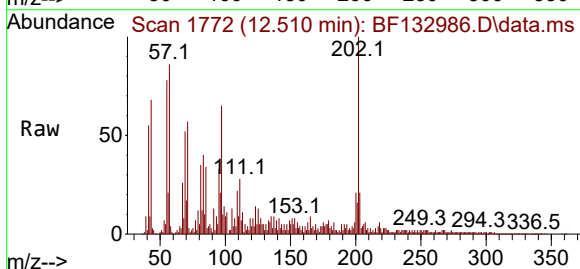
Tgt Ion:202 Resp: 381867

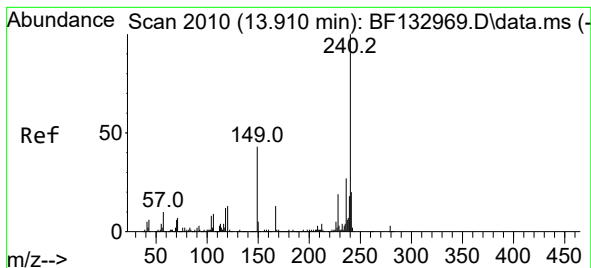
Ion Ratio Lower Upper

202 100

101 11.5 0.0 35.3

203 20.9 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 2010

Delta R.T. 0.035 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04

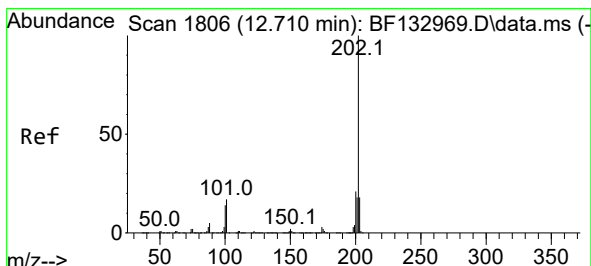
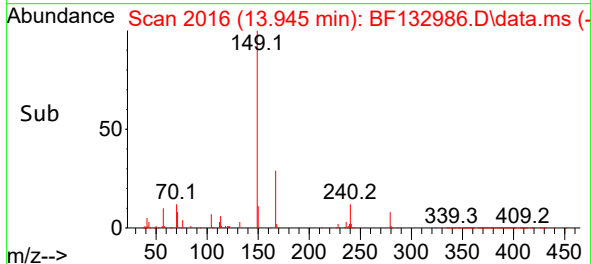
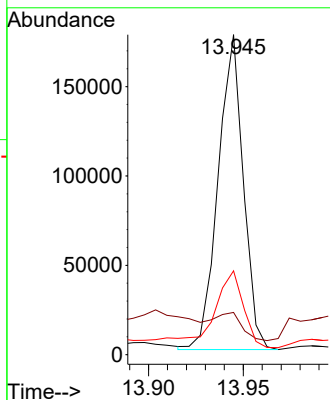
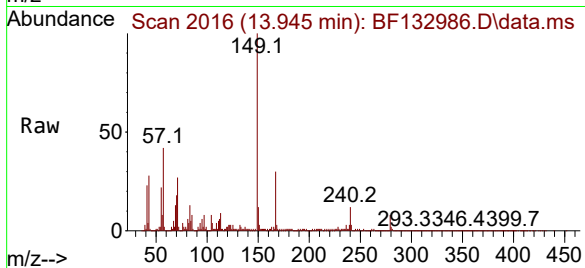
Tgt Ion:240 Resp: 162788

Ion Ratio Lower Upper

240 100

120 13.2 10.5 15.7

236 26.2 21.5 32.3



#78

Pyrene

Concen: 27.365 ng

RT: 12.510 min Scan# 1772

Delta R.T. -0.200 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

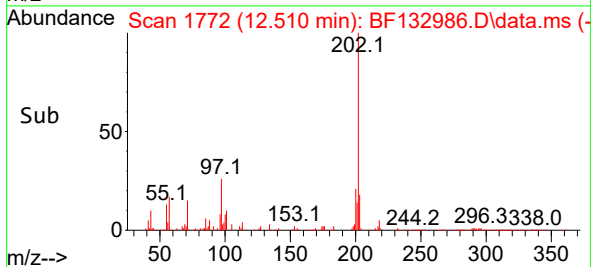
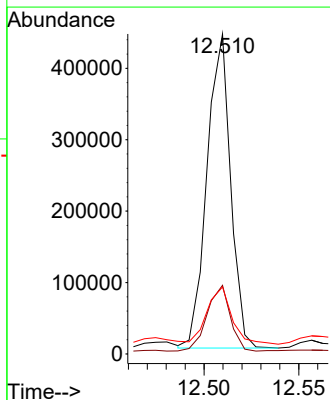
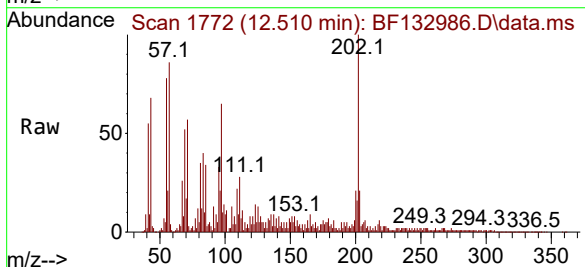
Tgt Ion:202 Resp: 381867

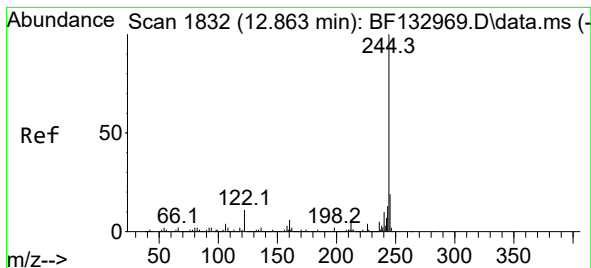
Ion Ratio Lower Upper

202 100

200 21.5 17.1 25.7

203 20.9 14.1 21.1





#79

Terphenyl-d14

Concen: 22.056 ng

RT: 12.880 min Scan# 11

Delta R.T. 0.018 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04

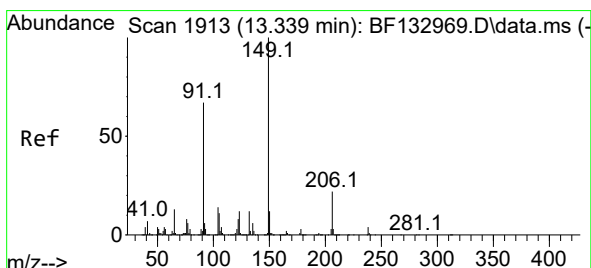
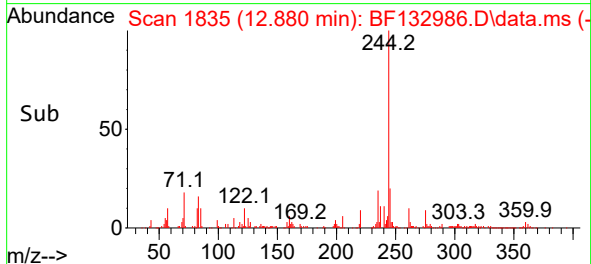
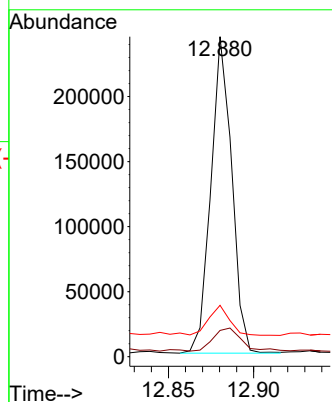
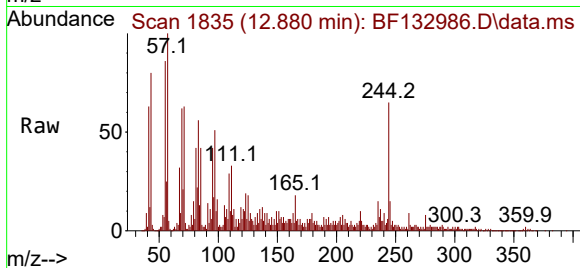
Tgt Ion:244 Resp: 208178

Ion Ratio Lower Upper

244 100

212 8.2 5.1 7.7#

122 16.1 8.6 13.0#



#80

Butylbenzylphthalate

Concen: 24.926 ng

RT: 13.368 min Scan# 1918

Delta R.T. 0.029 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

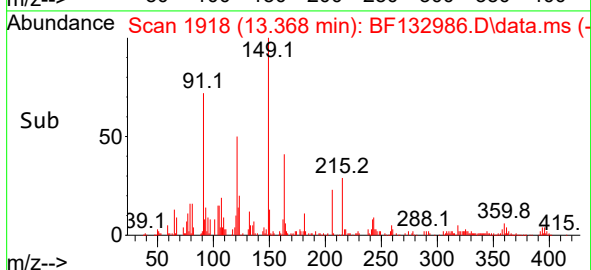
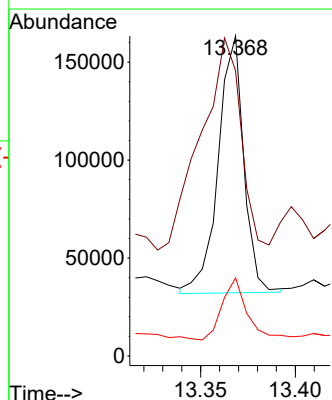
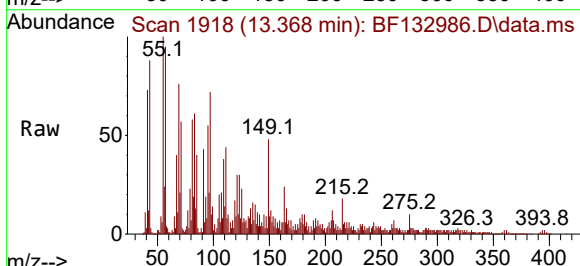
Tgt Ion:149 Resp: 123158

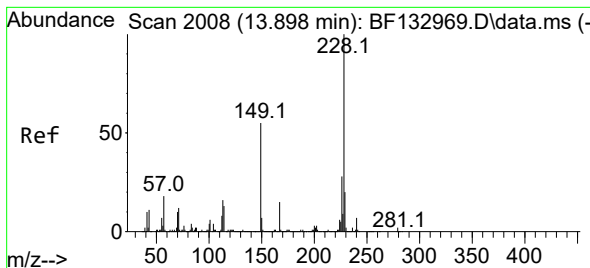
Ion Ratio Lower Upper

149 100

91 89.2 53.8 80.6#

206 24.4 17.5 26.3





#81

Benzo(a)anthracene

Concen: 10.584 ng

RT: 13.933 min Scan# 20

Delta R.T. 0.035 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04

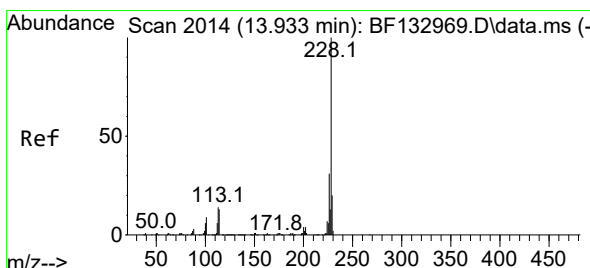
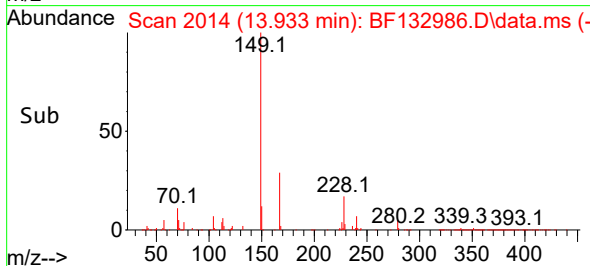
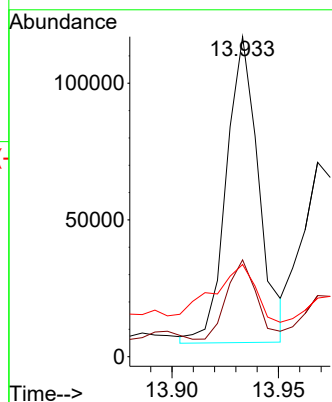
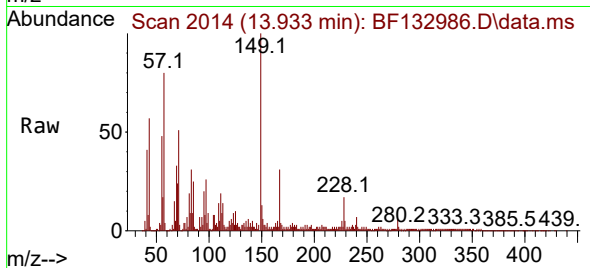
Tgt Ion:228 Resp: 118481

Ion Ratio Lower Upper

228 100

226 30.3 22.2 33.4

229 28.8 16.0 24.0#



#83

Chrysene

Concen: 7.083 ng

RT: 13.968 min Scan# 2020

Delta R.T. 0.035 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

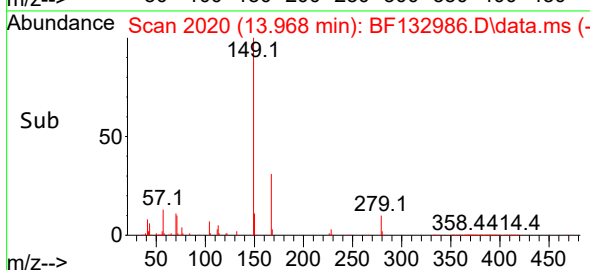
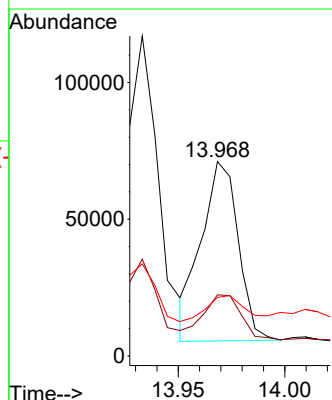
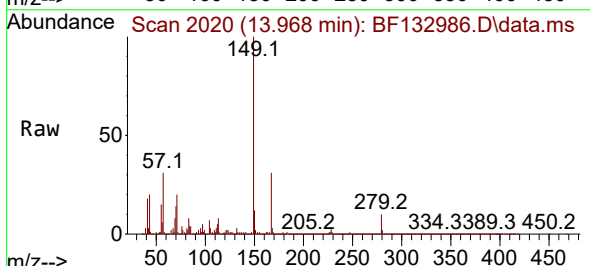
Tgt Ion:228 Resp: 79268

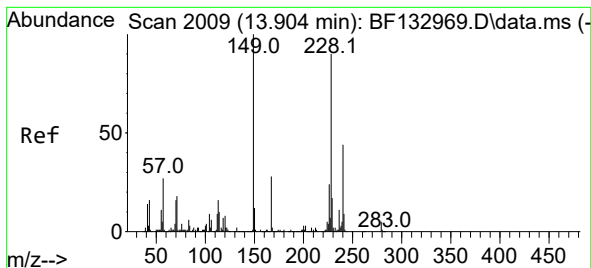
Ion Ratio Lower Upper

228 100

226 31.4 24.7 37.1

229 30.2 16.1 24.1#





#84

Bis(2-ethylhexyl)phthalate

Concen: 770.327 ng

RT: 13.968 min Scan# 20

Delta R.T. 0.065 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04

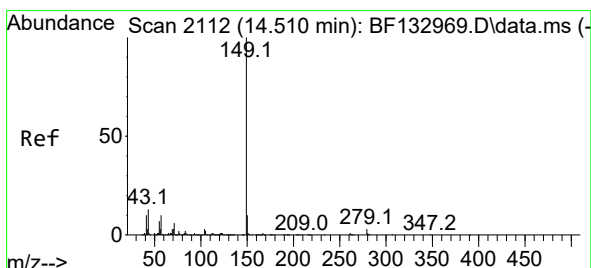
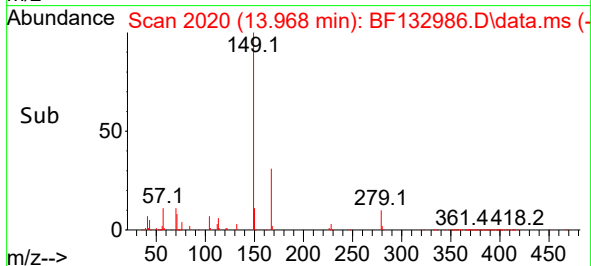
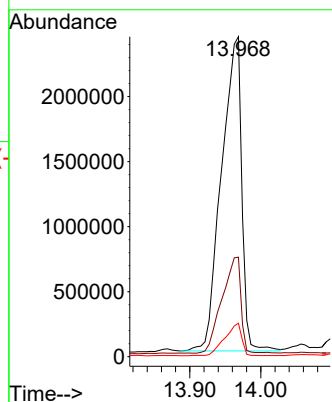
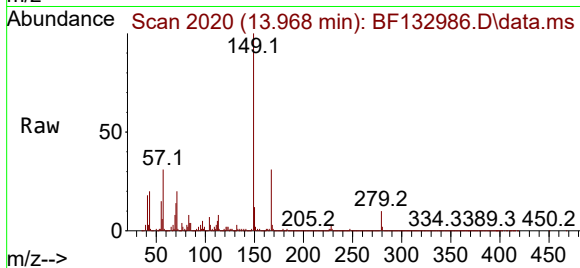
Tgt Ion:149 Resp: 4777455

Ion Ratio Lower Upper

149 100

167 31.1 22.5 33.7

279 10.5 4.2 6.4#



#85

Di-n-octyl phthalate

Concen: 76.643 ng

RT: 14.545 min Scan# 2118

Delta R.T. 0.035 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

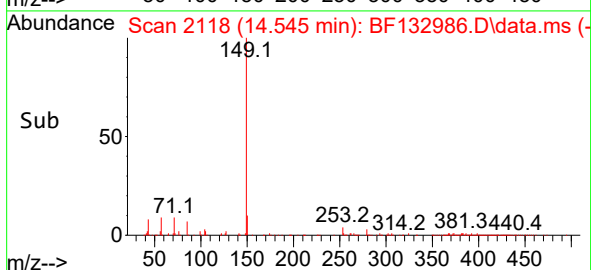
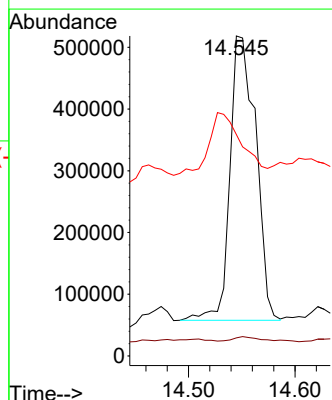
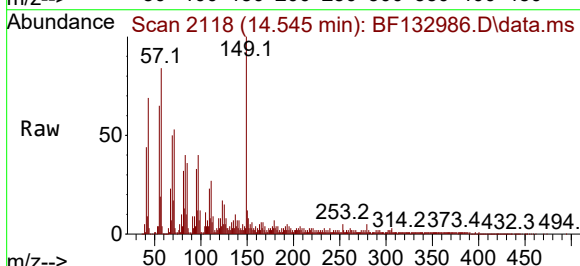
Tgt Ion:149 Resp: 775045

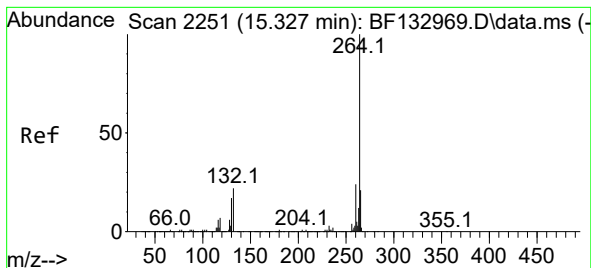
Ion Ratio Lower Upper

149 100

167 2.1 1.2 1.8#

43 0.0 9.5 14.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.065 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04

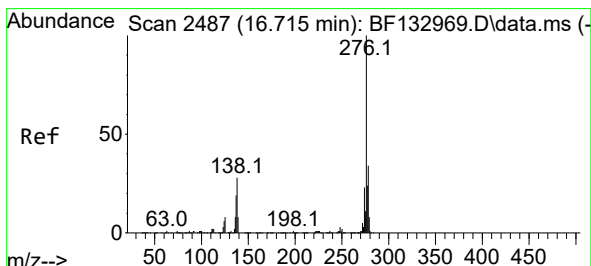
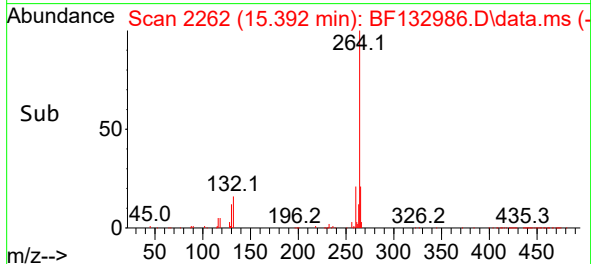
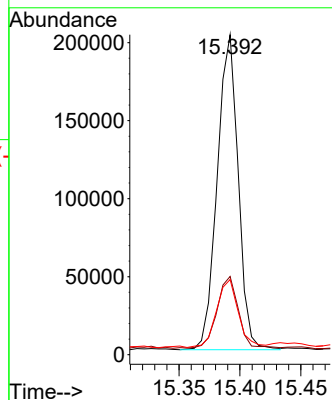
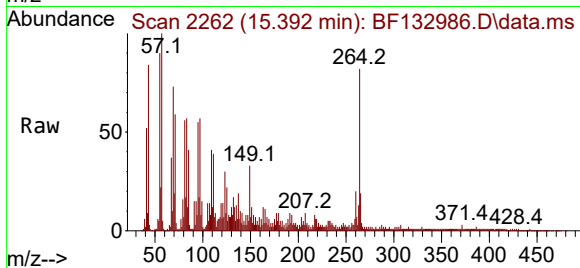
Tgt Ion:264 Resp: 242456

Ion Ratio Lower Upper

264 100

260 24.5 18.8 28.2

265 23.5 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.668 ng

RT: 16.780 min Scan# 2498

Delta R.T. 0.065 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

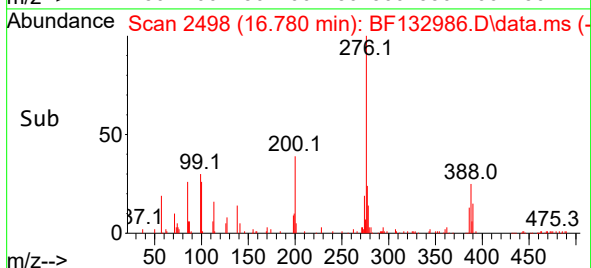
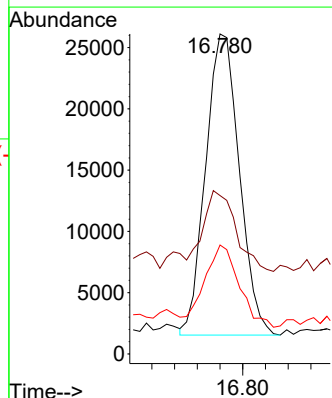
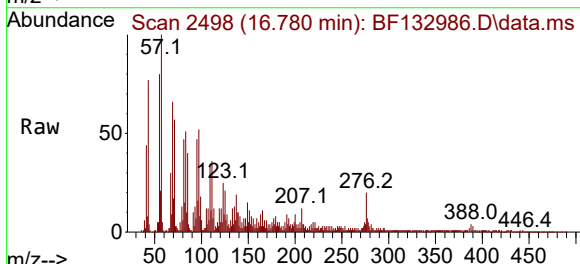
Tgt Ion:276 Resp: 50592

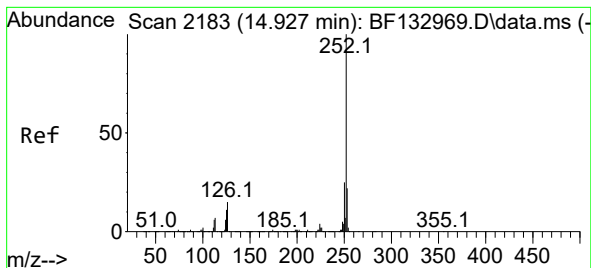
Ion Ratio Lower Upper

276 100

138 28.9 25.5 38.3

277 28.3 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 12.833 ng

RT: 14.974 min Scan# 2191

Delta R.T. 0.047 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04

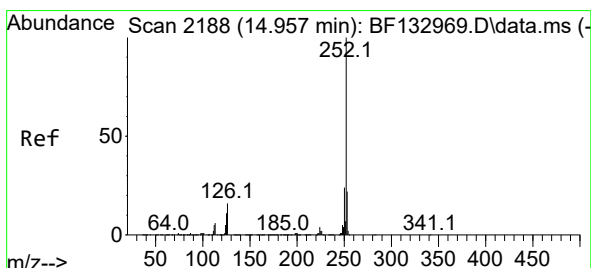
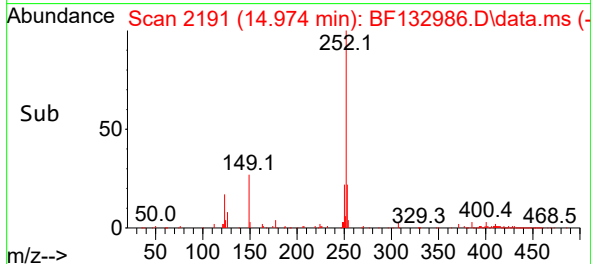
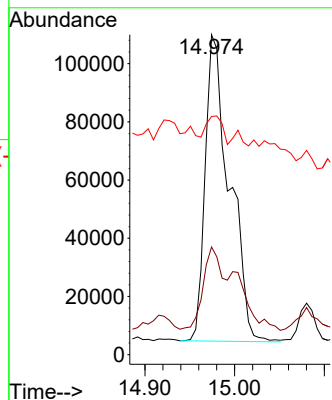
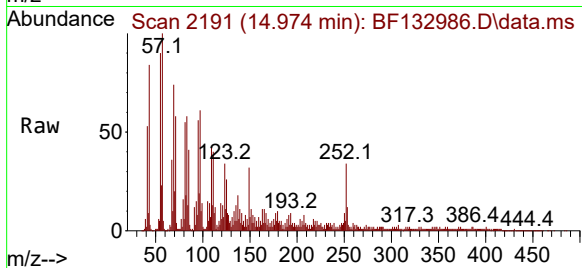
Tgt Ion:252 Resp: 197945

Ion Ratio Lower Upper

252 100

253 33.7 17.6 26.4#

125 74.5 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 12.946 ng

RT: 14.974 min Scan# 2191

Delta R.T. 0.018 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

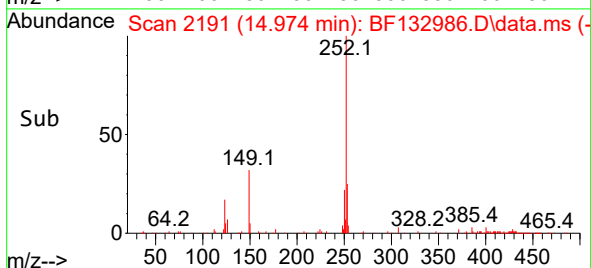
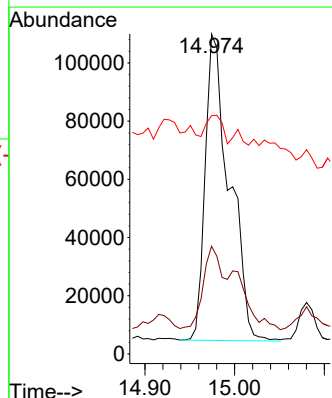
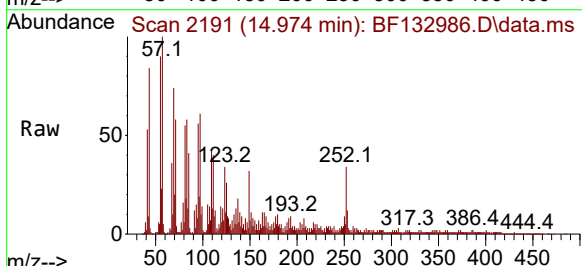
Tgt Ion:252 Resp: 197945

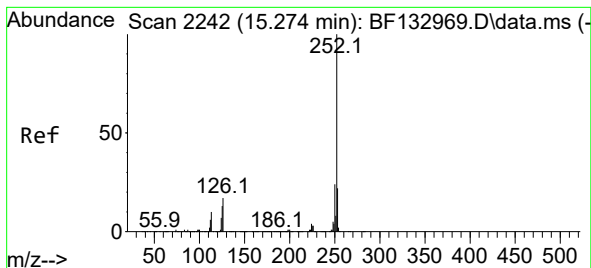
Ion Ratio Lower Upper

252 100

253 33.7 17.7 26.5#

125 74.5 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 7.317 ng

RT: 15.327 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04

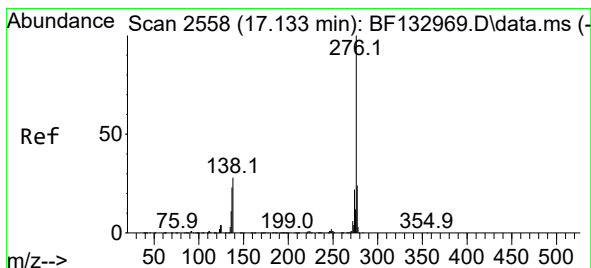
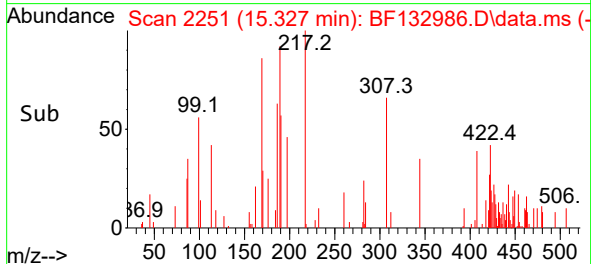
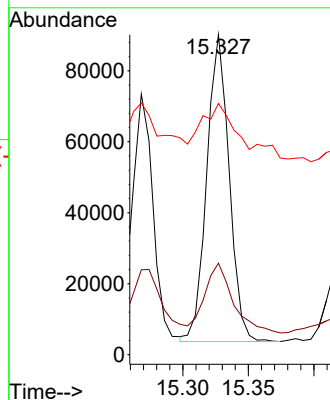
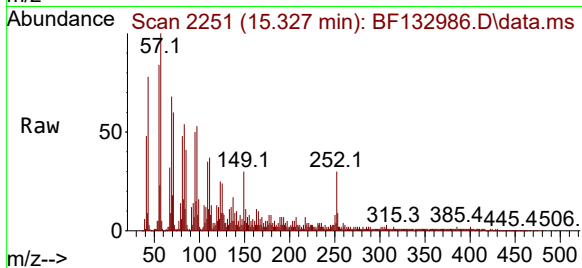
Tgt Ion:252 Resp: 102722

Ion Ratio Lower Upper

252 100

253 28.6 17.7 26.5#

125 78.5 10.5 15.7#



#92

Benzo(g,h,i)perylene

Concen: 5.030 ng

RT: 17.198 min Scan# 2569

Delta R.T. 0.065 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Tgt Ion:276 Resp: 57126

Ion Ratio Lower Upper

276 100

277 30.0 19.4 29.0#

138 51.9 22.7 34.1#

