

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
 Data File : BF135901.D
 Acq On : 19 Oct 2023 22:54
 Operator : CG\JU
 Sample : 04685-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PP-20230928-B4A-7.5-15

Quant Time: Oct 20 02:06:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	41929	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	83318	20.000	ng	# 0.00
39) Acenaphthene-d10	9.798	164	71835	20.000	ng	0.01
64) Phenanthrene-d10	11.298	188	107280	20.000	ng	# 0.02
76) Chrysene-d12	13.939	240	92208	20.000	ng	#-0.01
86) Perylene-d12	15.410	264	74795	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	267905	102.727	ng	0.00
7) Phenol-d6	6.393	99	318479	97.874	ng	0.00
23) Nitrobenzene-d5	7.310	82	188689	124.556	ng	0.00
42) 2,4,6-Tribromophenol	10.604	330	56757	82.338	ng	0.02
45) 2-Fluorobiphenyl	9.110	172	295021	64.212	ng	0.00
79) Terphenyl-d14	12.880	244	306182	61.494	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.293	77	21371	11.539	ng	# 1
15) Benzyl Alcohol	6.881	79	4413	2.040	ng	# 46
18) Hexachloroethane	7.228	117	29849	28.503	ng	# 1
19) n-Nitroso-di-n-propyla...	7.157	70	27556	13.696	ng	# 64
22) Acetophenone	7.134	105	303303	158.729	ng	# 50
24) Nitrobenzene	7.310	77	23806	15.658	ng	# 25
25) Isophorone	7.551	82	72289	25.294	ng	# 1
26) 2-Nitrophenol	7.645	139	10661	14.368	ng	# 1
28) bis(2-Chloroethoxy)met...	7.769	93	15135	8.892	ng	# 1
29) 2,4-Dichlorophenol	7.928	162	24764	21.634	ng	# 51
31) Naphthalene	8.051	128	798932	196.592	ng	# 92
33) 4-Chloroaniline	8.122	127	7038	3.965	ng	# 1
35) Caprolactam	8.492	113	9129	23.329	ng	# 1
36) 4-Chloro-3-methylphenol	8.610	107	7108	5.599	ng	# 40
37) 2-Methylnaphthalene	8.769	142	1828027	682.735	ng	100
38) 1-Methylnaphthalene	8.857	142	1041025	421.545	ng	98
43) 2,4,6-Trichlorophenol	9.022	196	5854	4.396	ng	# 12
46) 1,1'-Biphenyl	9.216	154	184484	33.526	ng	98
47) 2-Chloronaphthalene	9.286	162	21358	5.386	ng	# 40
48) 2-Nitroaniline	9.398	65	22775	14.549	ng	# 50
49) Acenaphthylene	9.663	152	53815	8.200	ng	# 1
51) 2,6-Dinitrotoluene	9.598	165	4339	4.161	ng	# 25
52) Acenaphthene	9.833	154	77545	19.713	ng	# 75
53) 3-Nitroaniline	9.775	138	11215	8.773	ng	# 41
54) 2,4-Dinitrophenol	9.875	184	1226	2.816	ng	# 1
55) Dibenzofuran	10.010	168	98850	16.654	ng	# 1
56) 4-Nitrophenol	9.951	139	11915	24.438	ng	# 29
57) 2,4-Dinitrotoluene	10.010	165	32988	24.865	ng	# 48
58) Fluorene	10.357	166	214234	46.105	ng	# 92
60) Diethylphthalate	10.275	149	10520	2.125	ng	# 16
62) 4-Nitroaniline	10.428	138	5175	4.400	ng	# 62
63) Azobenzene	10.498	77	31453	6.539	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.445	198	1691	3.132	ng	# 1
66) n-Nitrosodiphenylamine	10.463	169	225175	68.864	ng	# 49
69) Atrazine	11.010	200	9241	10.390	ng	# 24
71) Phenanthrene	11.328	178	609644	118.626	ng	96

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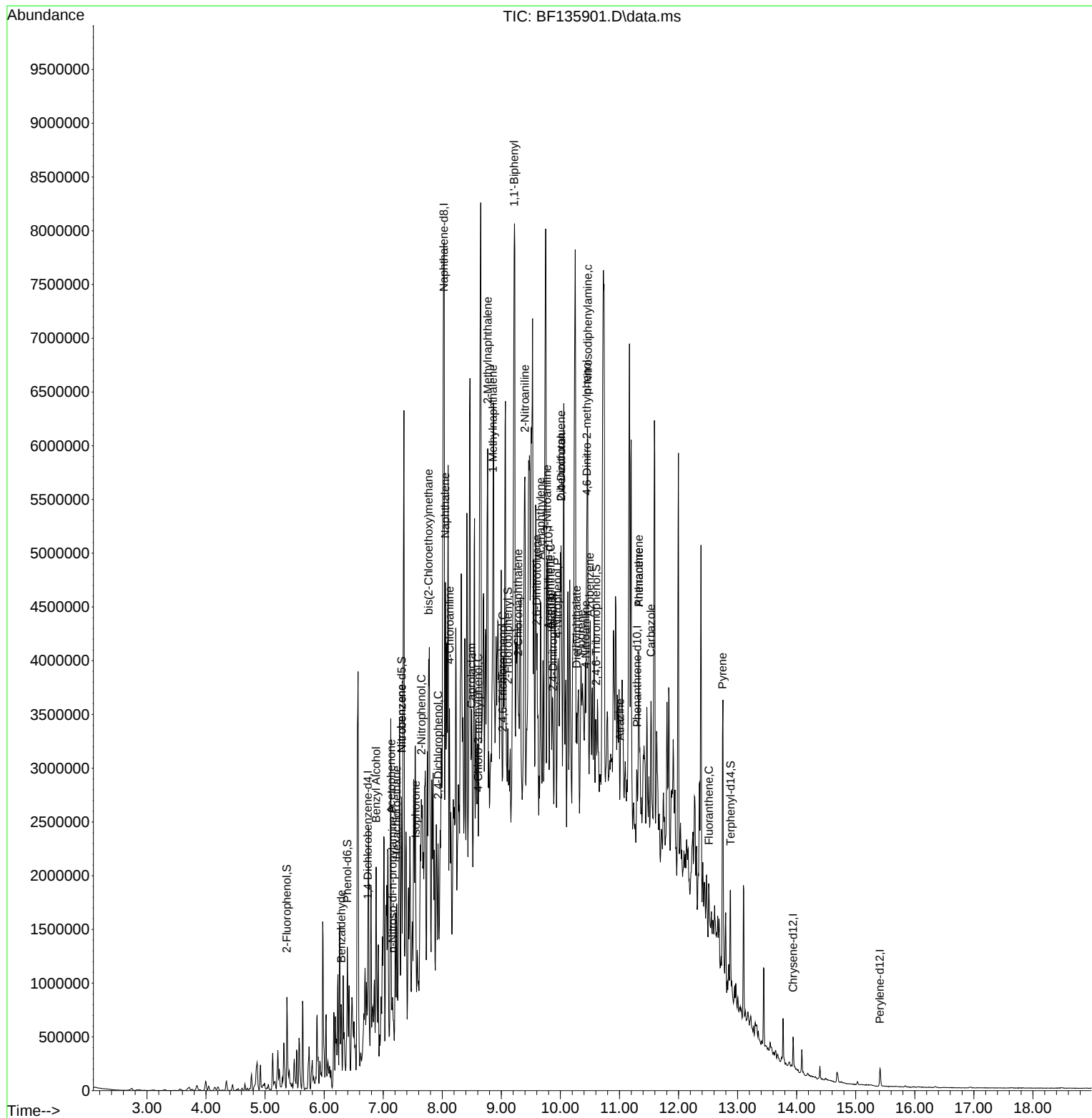
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) Anthracene	11.328	178	609563	114.463	ng	96
73) Carbazole	11.533	167	14871	2.994	ng #	1
75) Fluoranthene	12.516	202	24939	4.372	ng	65
78) Pyrene	12.745	202	83923	11.453	ng #	90

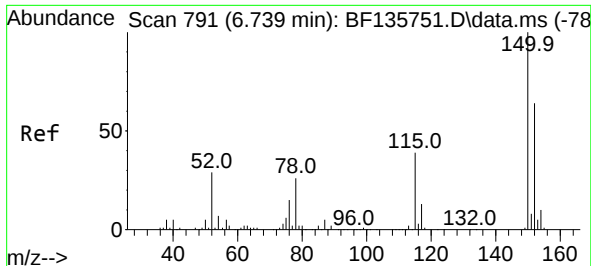
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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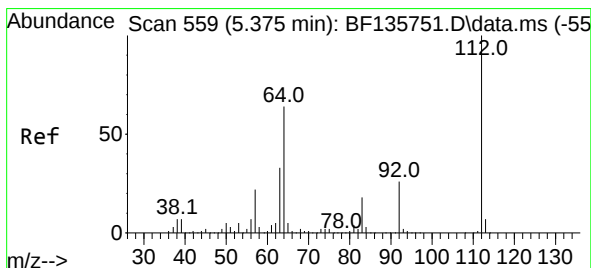
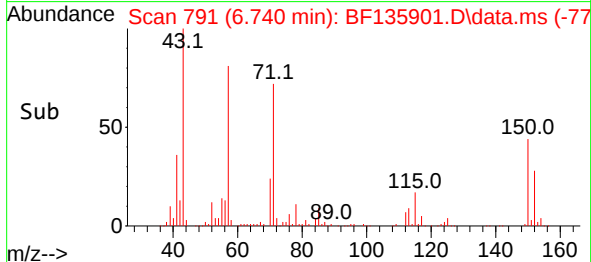
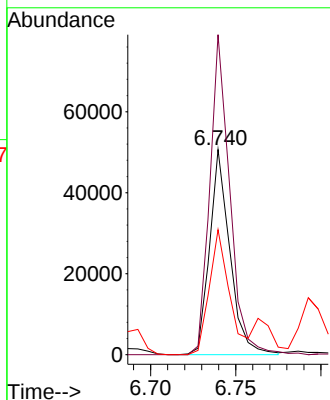
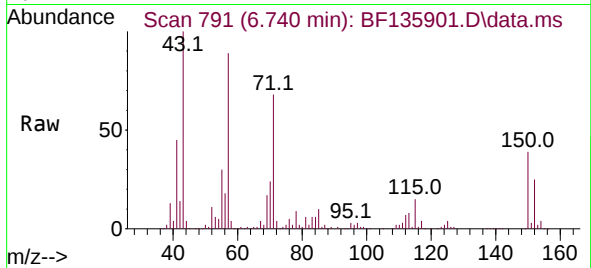




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

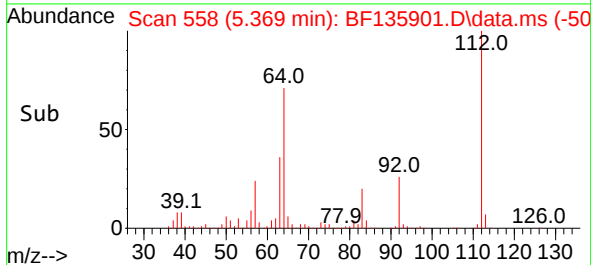
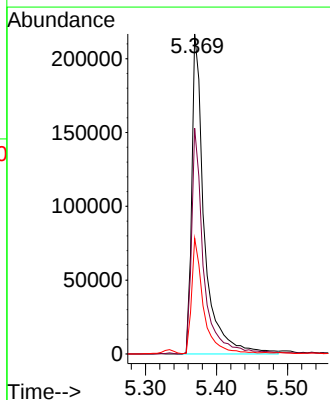
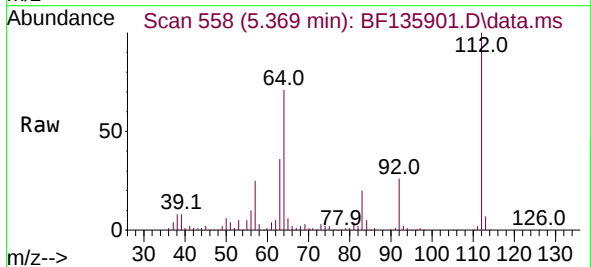
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-7.5-15

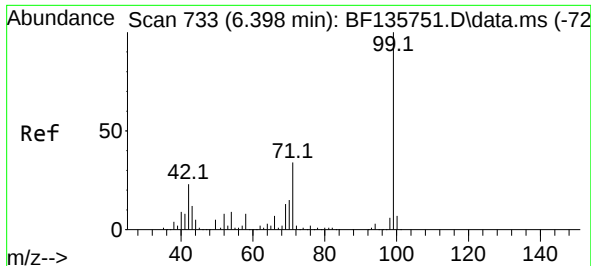
Tgt Ion:152 Resp: 41929
Ion Ratio Lower Upper
152 100
150 156.0 124.5 186.7
115 60.9 49.0 73.4



#5
2-Fluorophenol
Concen: 102.727 ng
RT: 5.369 min Scan# 558
Delta R.T. -0.006 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

Tgt Ion:112 Resp: 267905
Ion Ratio Lower Upper
112 100
64 70.5 51.2 76.8
63 36.1 26.1 39.1





#7

Phenol-d6

Concen: 97.874 ng

RT: 6.393 min Scan# 715

Delta R.T. -0.006 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B4A-7.5-15

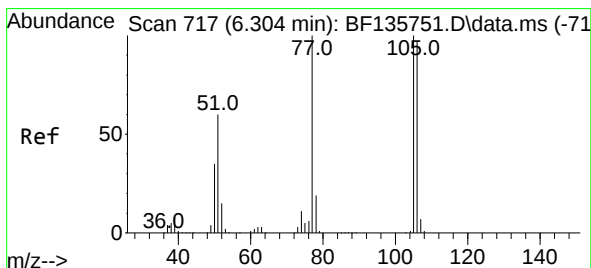
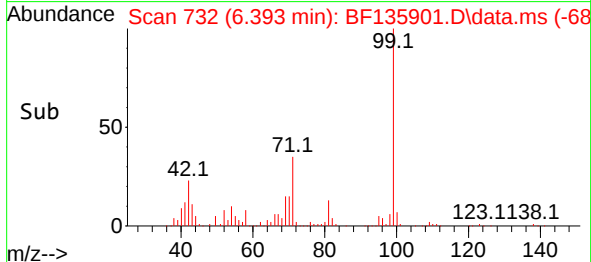
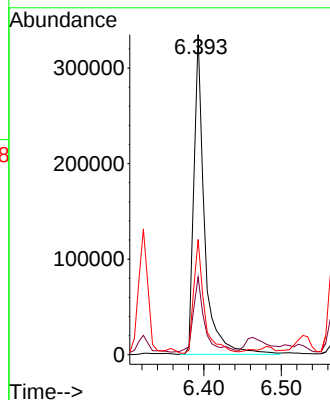
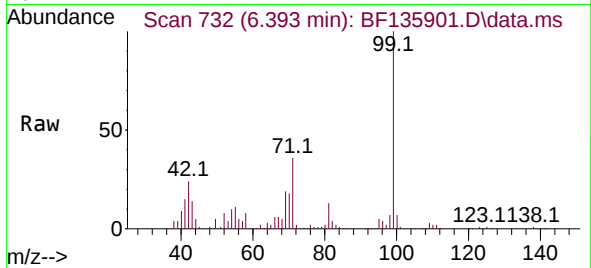
Tgt Ion: 99 Resp: 318479

Ion Ratio Lower Upper

99 100

42 24.3 18.4 27.6

71 36.0 27.2 40.8



#9

Benzaldehyde

Concen: 11.539 ng

RT: 6.293 min Scan# 715

Delta R.T. -0.012 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

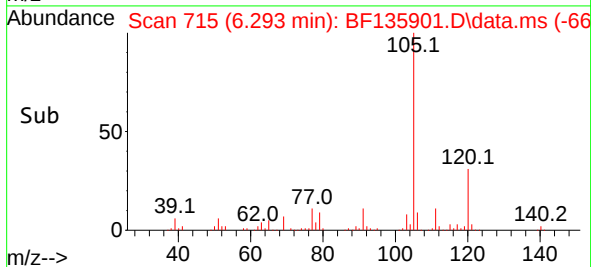
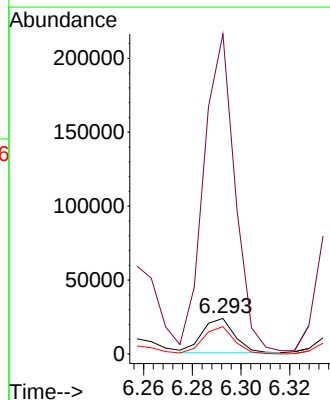
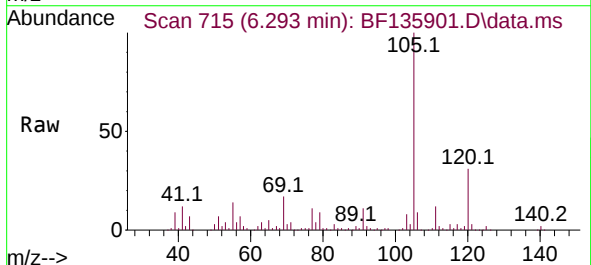
Tgt Ion: 77 Resp: 21371

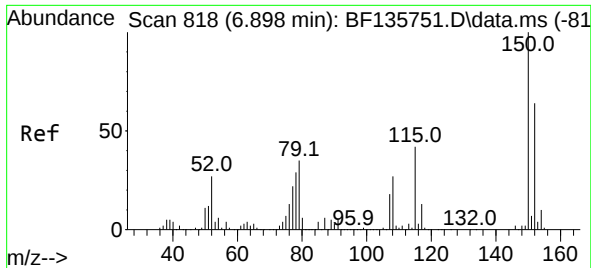
Ion Ratio Lower Upper

77 100

105 898.8 79.9 119.9#

106 76.8 77.1 117.1#

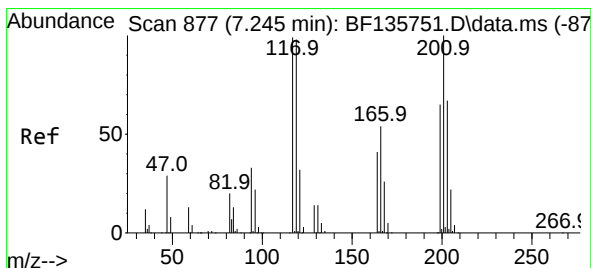
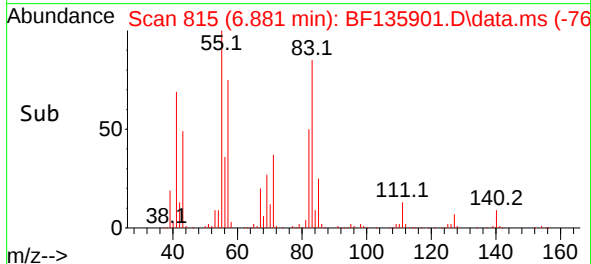
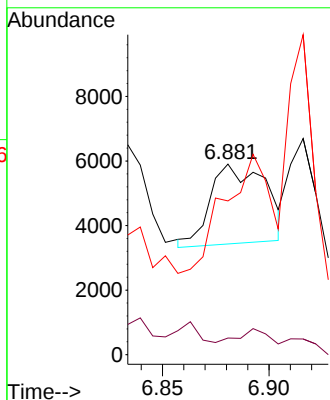
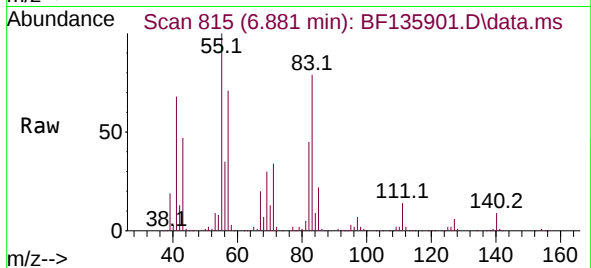




#15
Benzyl Alcohol
Concen: 2.040 ng
RT: 6.881 min Scan# 815
Delta R.T. -0.018 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

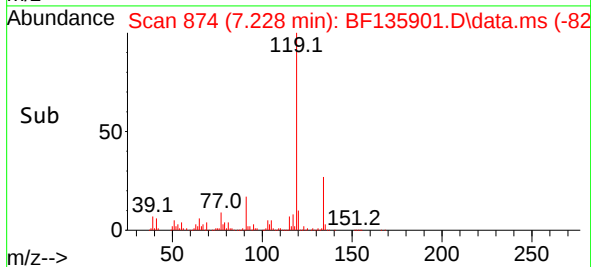
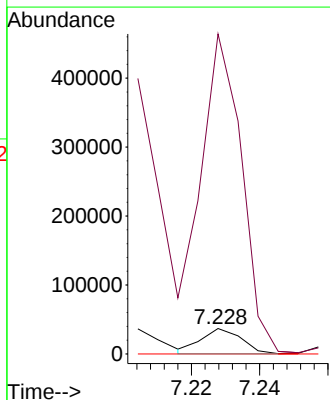
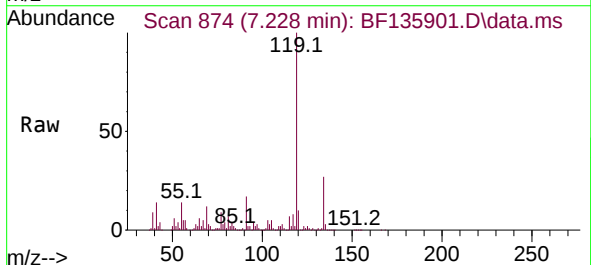
Instrument :
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ClientSampleId :
PP-20230928-B4A-7.5-15

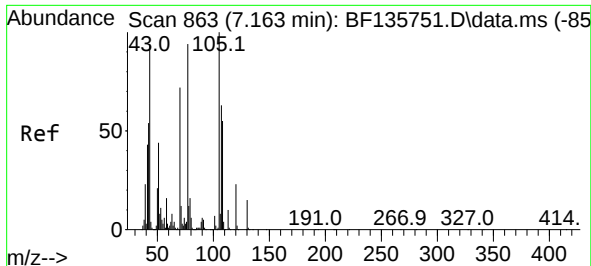
Tgt Ion: 79 Resp: 4413
Ion Ratio Lower Upper
79 100
108 8.8 62.0 93.0#
77 80.7 50.5 75.7#



#18
Hexachloroethane
Concen: 28.503 ng
RT: 7.228 min Scan# 874
Delta R.T. -0.018 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

Tgt Ion: 117 Resp: 29849
Ion Ratio Lower Upper
117 100
119 1259.3 79.5 119.3#
201 0.0 80.9 121.3#

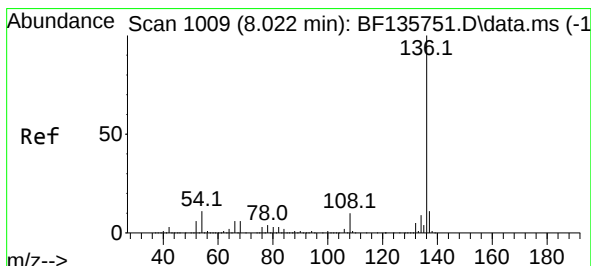
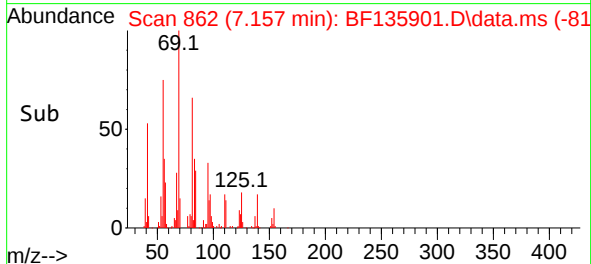
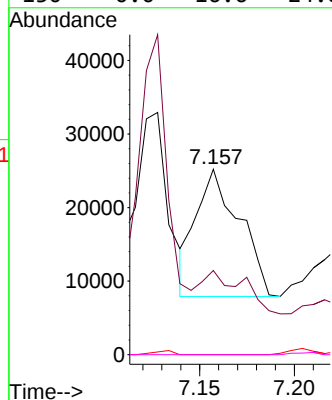
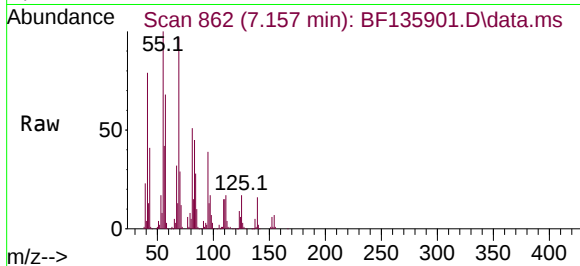




#19
n-Nitroso-di-n-propylamine
Concen: 13.696 ng
RT: 7.157 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

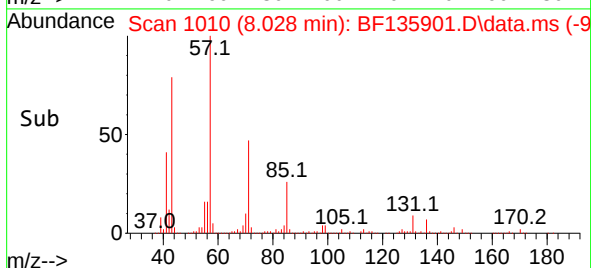
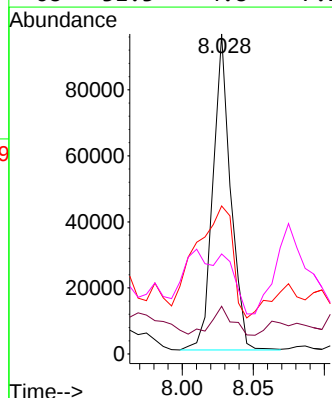
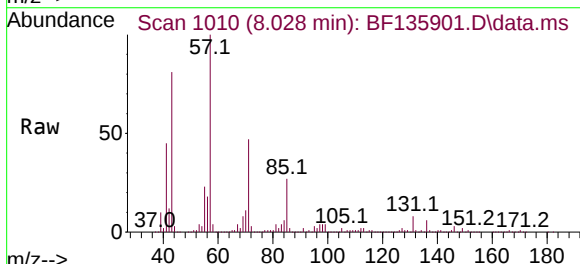
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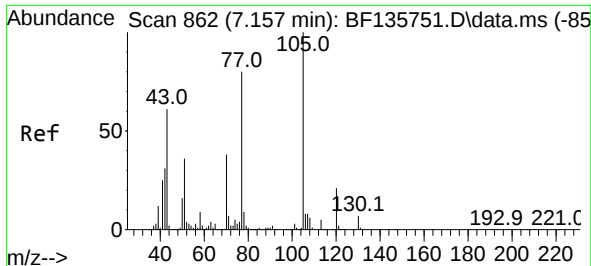
Tgt Ion:	70	Resp:	27556
Ion	Ratio	Lower	Upper
70	100		
42	45.4	59.8	89.6#
101	0.0	7.4	11.2#
130	0.0	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 1010
Delta R.T. 0.006 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

Tgt Ion:	136	Resp:	83318
Ion	Ratio	Lower	Upper
136	100		
137	14.9	8.6	12.8#
54	46.3	8.5	12.7#
68	31.3	4.8	7.2#

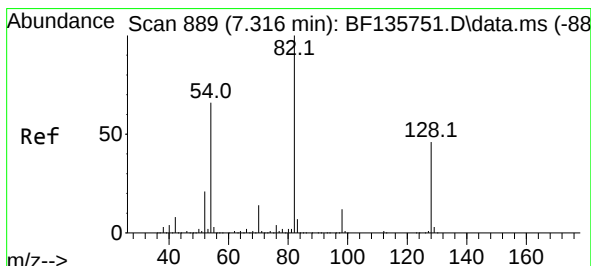
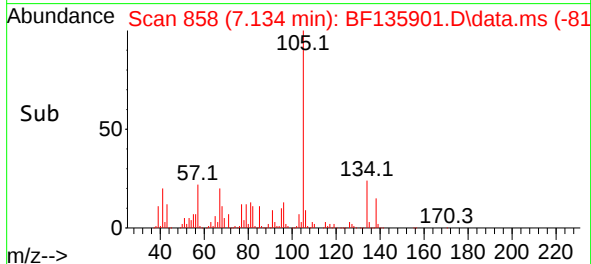
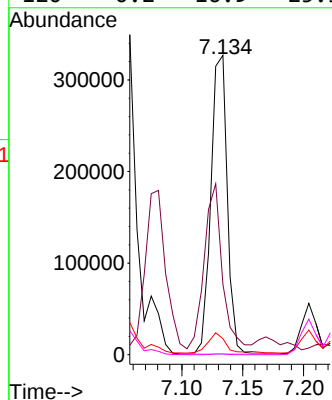
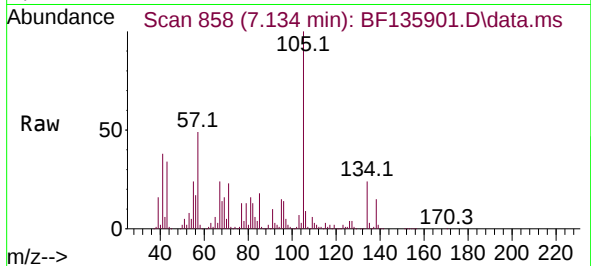




#22
Acetophenone
Concen: 158.729 ng
RT: 7.134 min Scan# 81
Delta R.T. -0.024 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

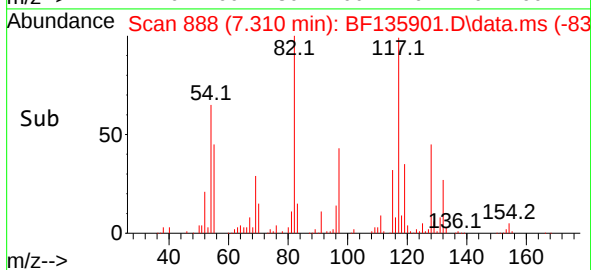
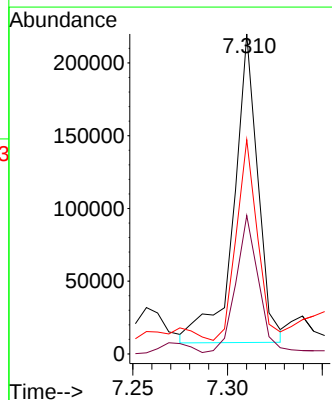
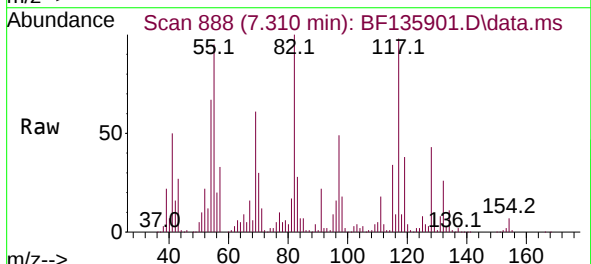
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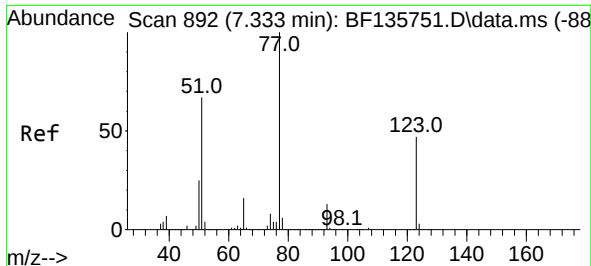
Tgt Ion:105 Resp: 303303
Ion Ratio Lower Upper
105 100
71 23.5 5.4 8.0#
51 5.4 29.4 44.0#
120 0.2 16.9 25.3#



#23
Nitrobenzene-d5
Concen: 124.556 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

Tgt Ion: 82 Resp: 188689
Ion Ratio Lower Upper
82 100
128 43.2 37.0 55.6
54 67.0 52.8 79.2

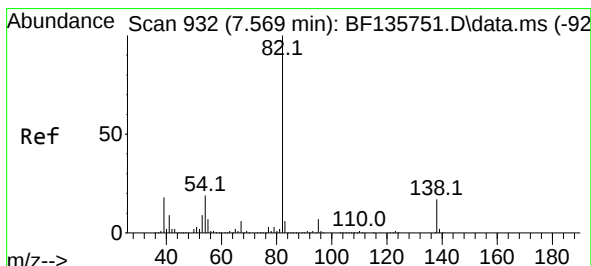
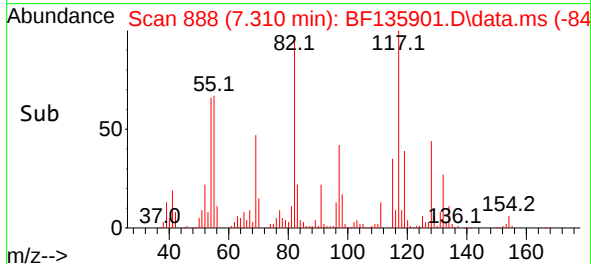
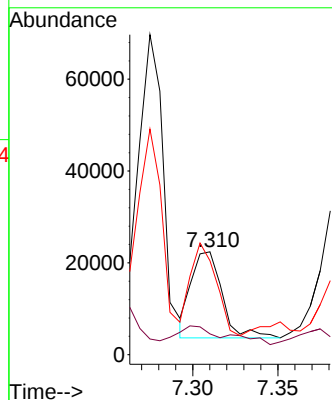
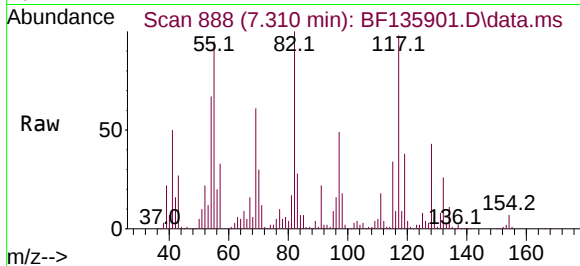




#24
Nitrobenzene
Concen: 15.658 ng
RT: 7.310 min Scan# 811
Delta R.T. -0.024 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

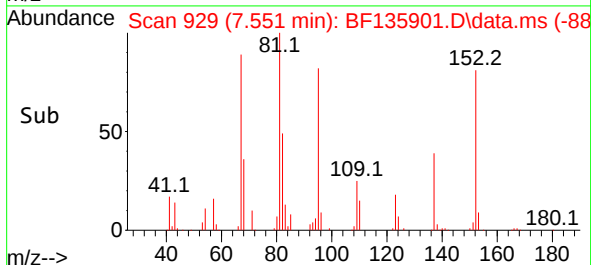
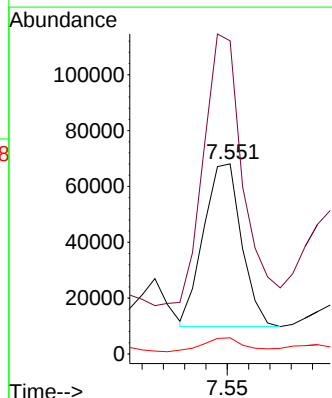
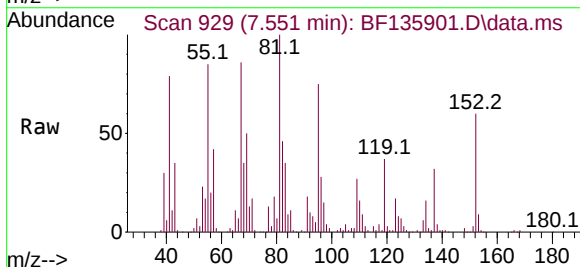
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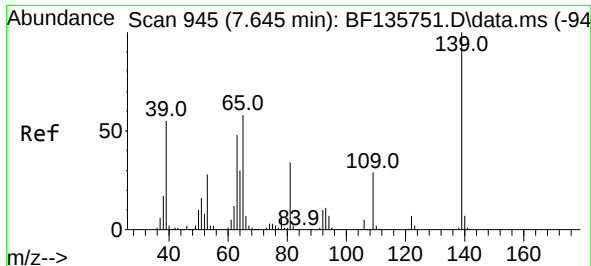
Tgt Ion: 77 Resp: 23806
Ion Ratio Lower Upper
77 100
123 20.3 37.3 55.9#
65 91.4 12.6 18.8#



#25
Isophorone
Concen: 25.294 ng
RT: 7.551 min Scan# 929
Delta R.T. -0.018 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

Tgt Ion: 82 Resp: 72289
Ion Ratio Lower Upper
82 100
95 164.7 5.5 8.3#
138 8.5 13.9 20.9#

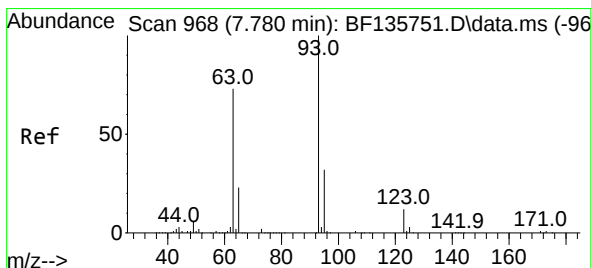
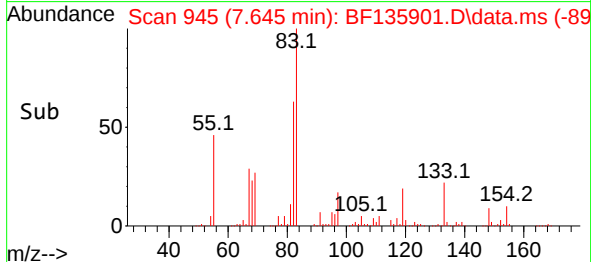
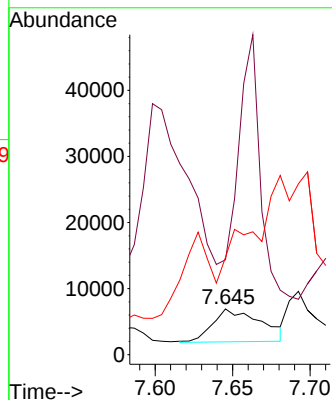
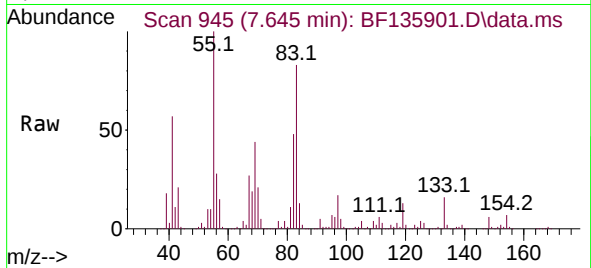




#26
2-Nitrophenol
Concen: 14.368 ng
RT: 7.645 min Scan# 945
Delta R.T. -0.000 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

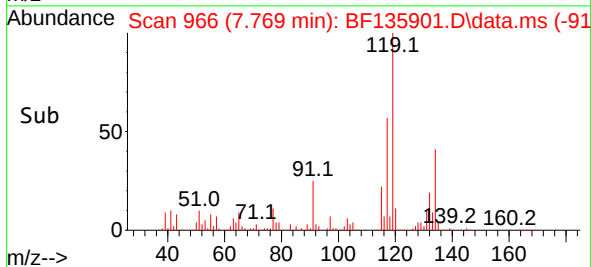
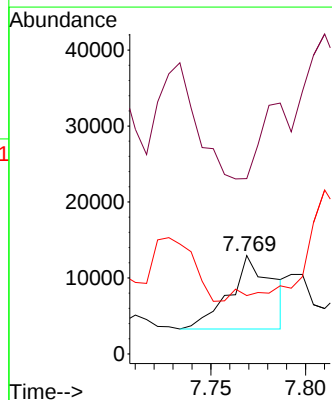
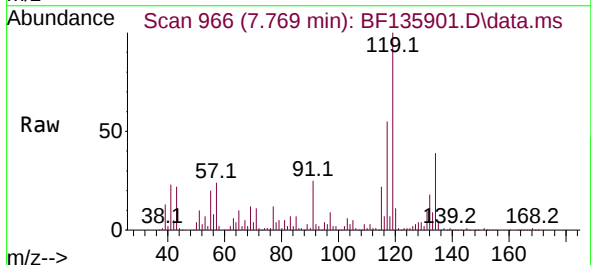
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-7.5-15

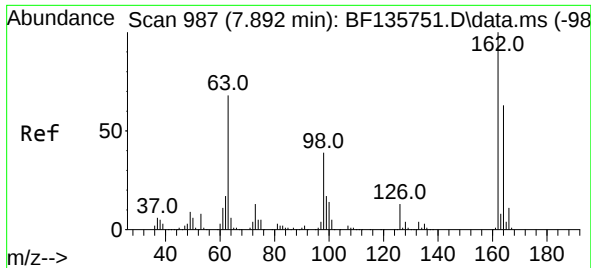
Tgt Ion:139 Resp: 10661
Ion Ratio Lower Upper
139 100
109 207.2 23.0 34.4#
65 212.7 46.0 69.0#



#28
bis(2-Chloroethoxy)methane
Concen: 8.892 ng
RT: 7.769 min Scan# 966
Delta R.T. -0.012 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

Tgt Ion: 93 Resp: 15135
Ion Ratio Lower Upper
93 100
95 178.1 25.7 38.5#
123 59.4 9.4 14.0#

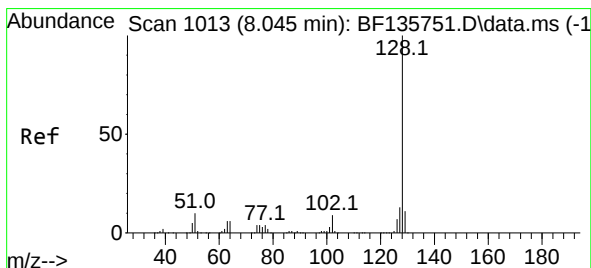
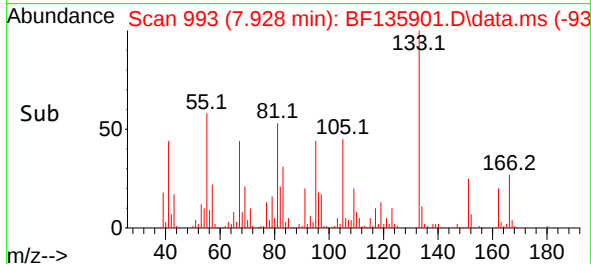
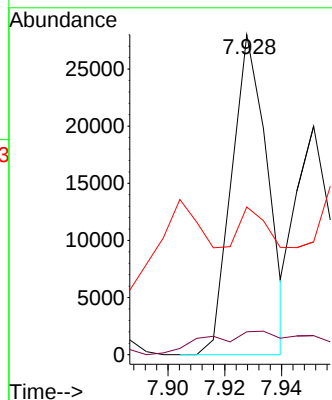
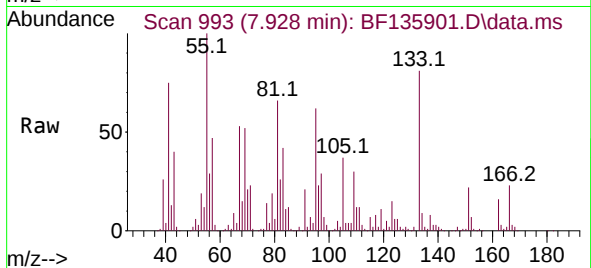




#29
2,4-Dichlorophenol
Concen: 21.634 ng
RT: 7.928 min Scan# 91
Delta R.T. 0.035 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

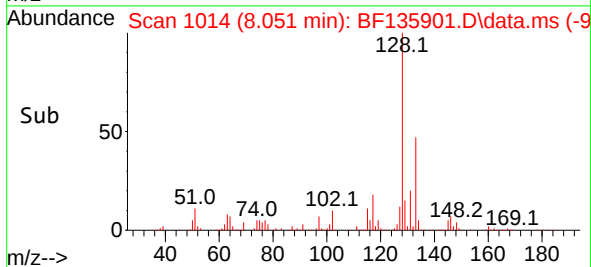
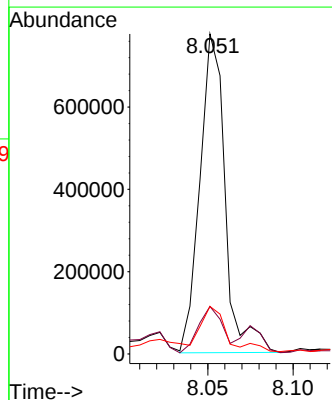
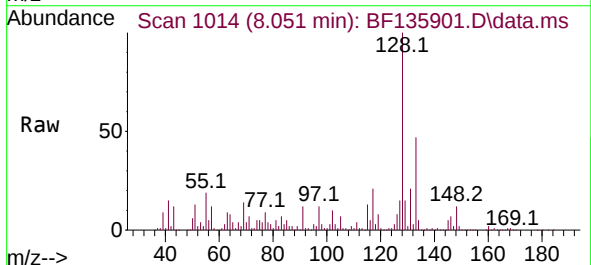
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-7.5-15

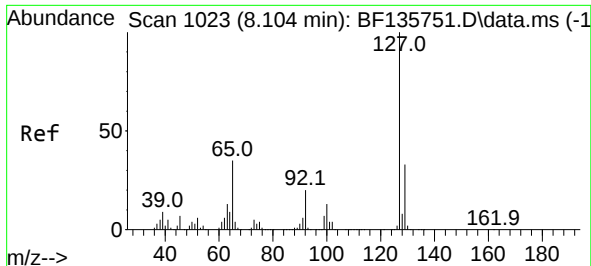
Tgt Ion:162 Resp: 24764
Ion Ratio Lower Upper
162 100
164 7.1 43.4 83.4#
98 46.2 19.0 59.0



#31
Naphthalene
Concen: 196.592 ng
RT: 8.051 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

Tgt Ion:128 Resp: 798932
Ion Ratio Lower Upper
128 100
129 14.9 8.7 13.1#
127 14.9 10.2 15.4

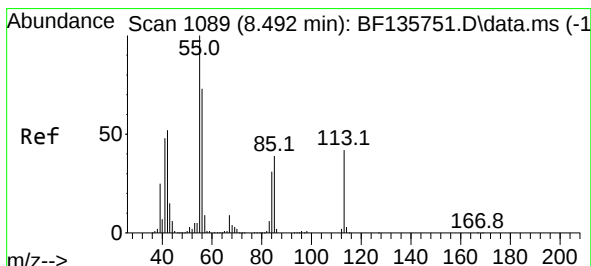
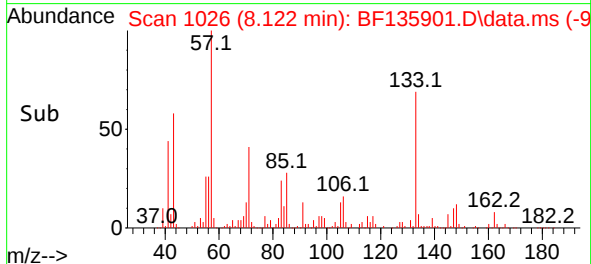
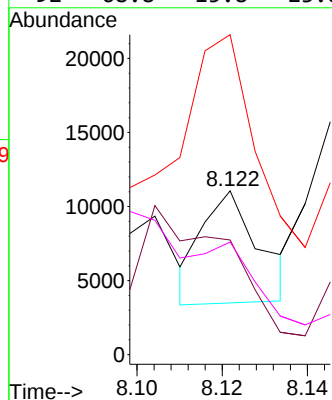
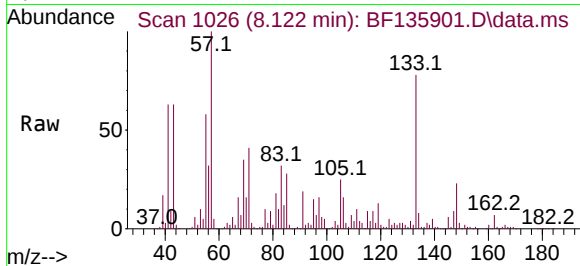




#33
4-Chloroaniline
Concen: 3.965 ng
RT: 8.122 min Scan# 1023
Delta R.T. 0.018 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

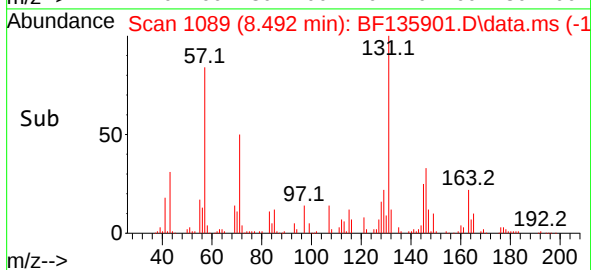
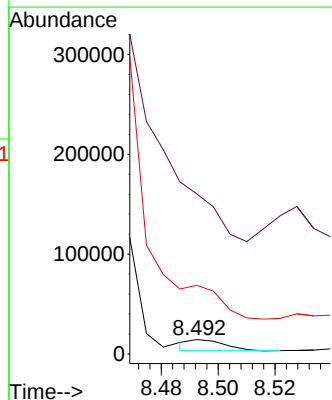
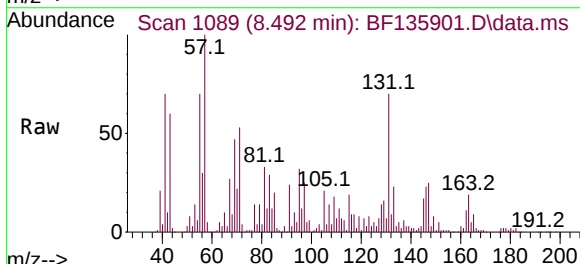
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-7.5-15

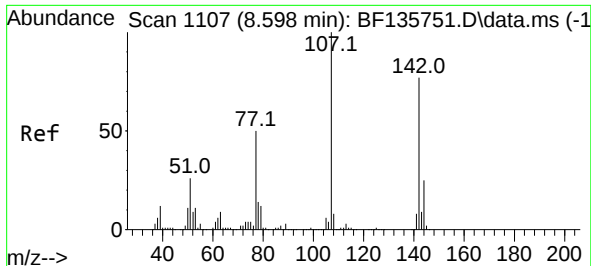
Tgt Ion:	127	Resp:	7038
Ion	Ratio	Lower	Upper
127	100		
129	70.0	26.5	39.7#
65	195.4	27.9	41.9#
92	68.8	15.8	23.8#



#35
Caprolactam
Concen: 23.329 ng
RT: 8.492 min Scan# 1089
Delta R.T. -0.006 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

Tgt Ion:	113	Resp:	9129
Ion	Ratio	Lower	Upper
113	100		
55	1109.9	217.4	257.4#
56	475.5	153.1	193.1#

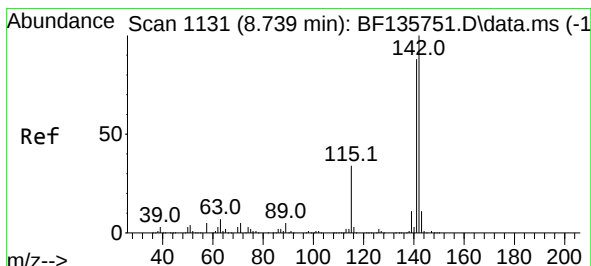
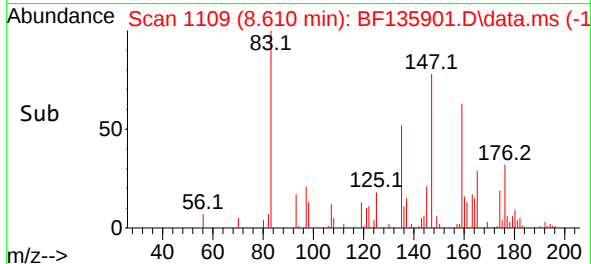
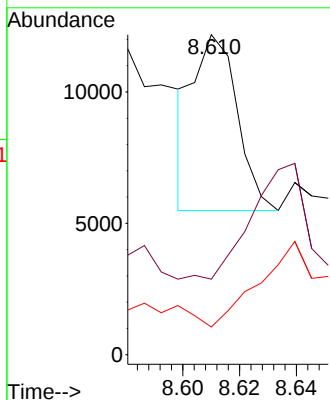
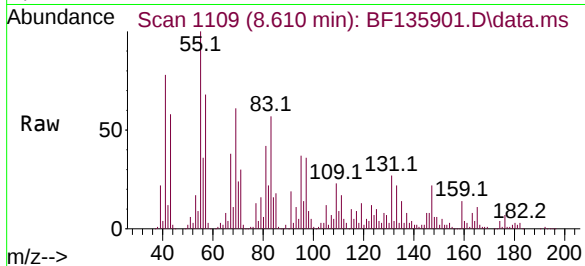




#36
4-Chloro-3-methylphenol
Concen: 5.599 ng
RT: 8.610 min Scan# 1109
Delta R.T. 0.012 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

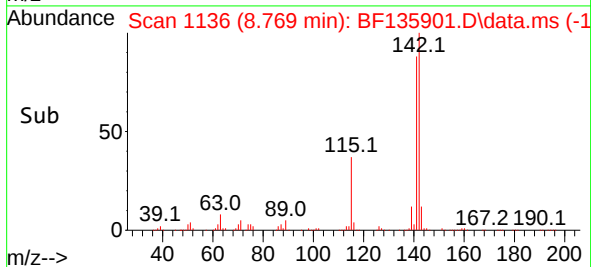
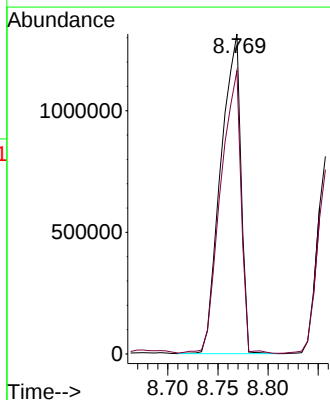
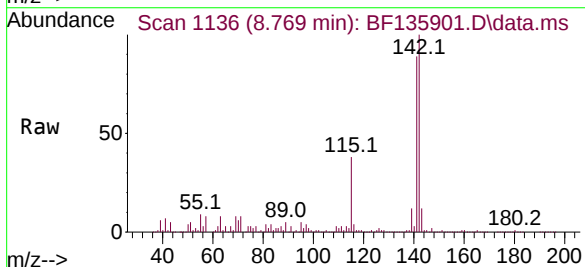
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-7.5-15

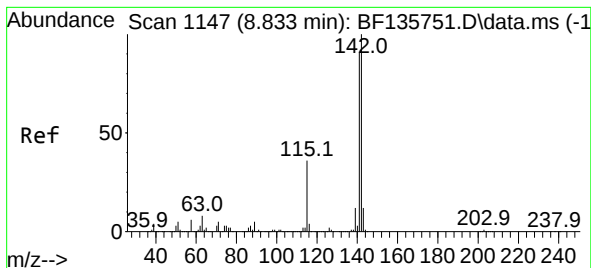
Tgt Ion:107 Resp: 7108
Ion Ratio Lower Upper
107 100
144 23.6 19.8 29.8
142 8.7 61.3 91.9#



#37
2-Methylnaphthalene
Concen: 682.735 ng
RT: 8.769 min Scan# 1136
Delta R.T. 0.029 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

Tgt Ion:142 Resp: 1828027
Ion Ratio Lower Upper
142 100
141 88.5 70.6 105.8





#38

1-Methylnaphthalene

Concen: 421.545 ng

RT: 8.857 min Scan# 1147

Delta R.T. 0.018 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

Instrument :

BNA_F

ClientSampleId :

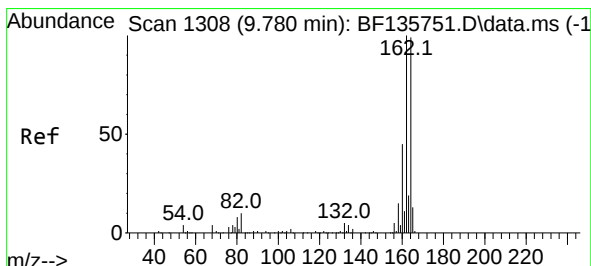
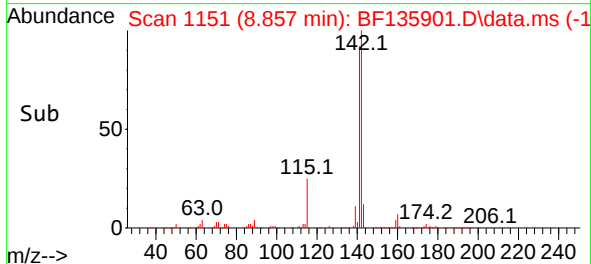
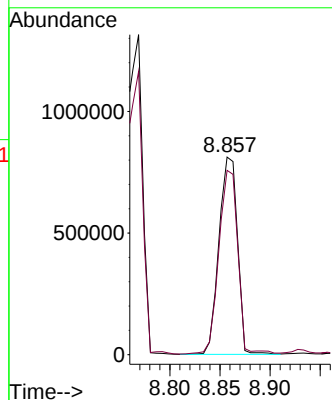
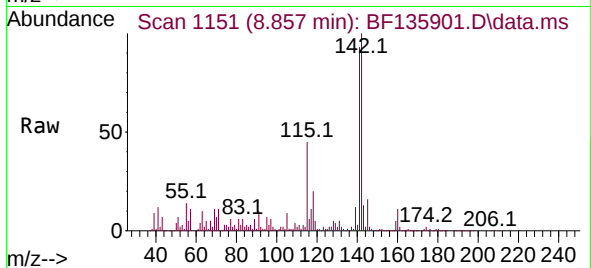
PP-20230928-B4A-7.5-15

Tgt Ion:142 Resp: 1041025

Ion Ratio Lower Upper

142 100

141 93.2 72.7 109.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.798 min Scan# 1311

Delta R.T. 0.012 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

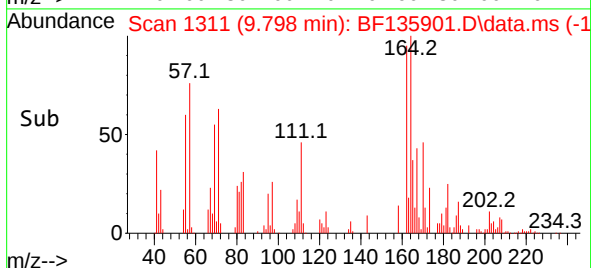
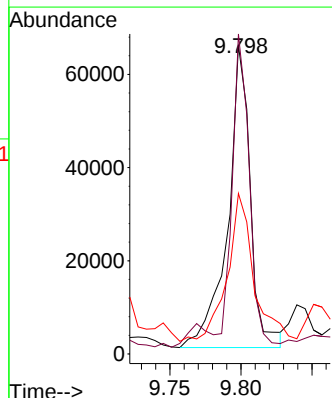
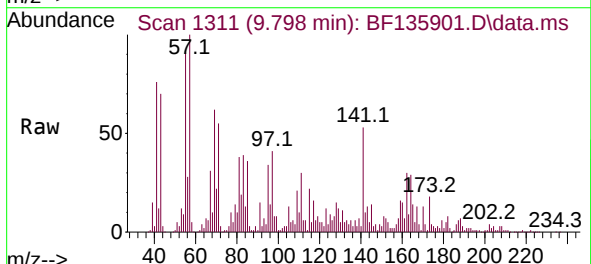
Tgt Ion:164 Resp: 71835

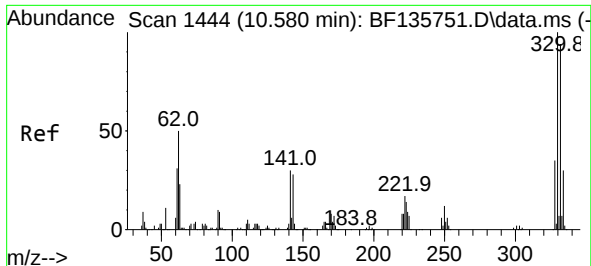
Ion Ratio Lower Upper

164 100

162 103.7 80.8 121.2

160 52.0 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 82.338 ng

RT: 10.604 min Scan# 1444

Delta R.T. 0.018 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B4A-7.5-15

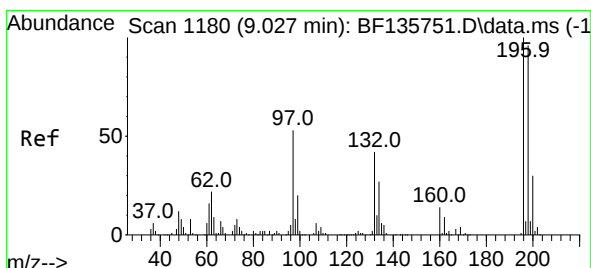
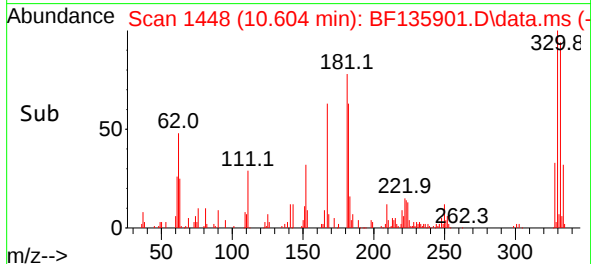
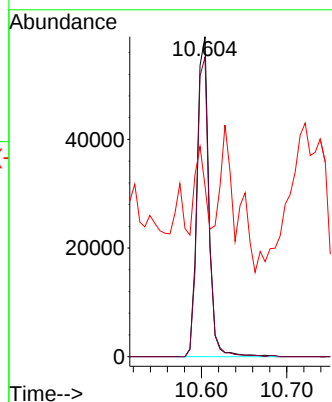
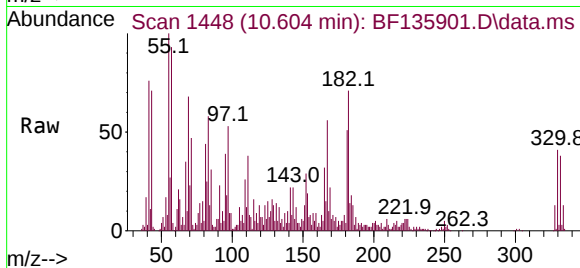
Tgt Ion:330 Resp: 56757

Ion Ratio Lower Upper

330 100

332 94.8 75.0 112.4

141 23.3 25.8 38.6#



#43

2,4,6-Trichlorophenol

Concen: 4.396 ng

RT: 9.022 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

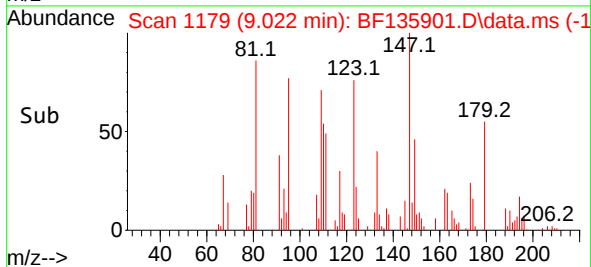
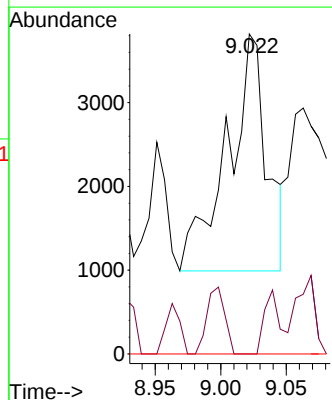
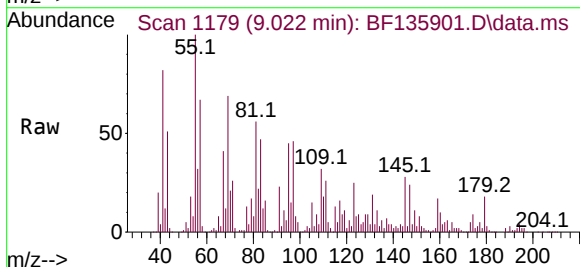
Tgt Ion:196 Resp: 5854

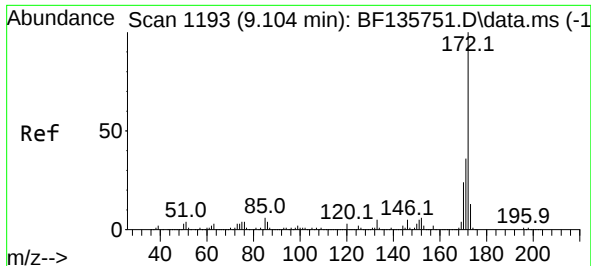
Ion Ratio Lower Upper

196 100

198 0.0 76.7 115.1#

200 0.0 24.2 36.4#

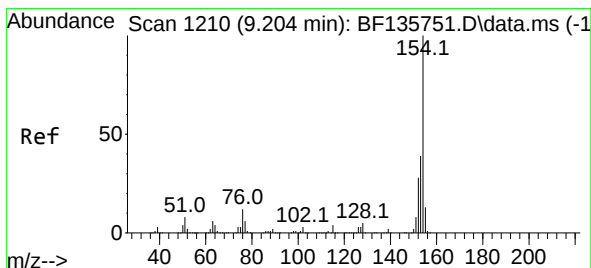
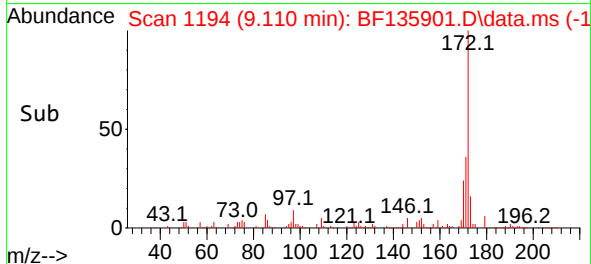
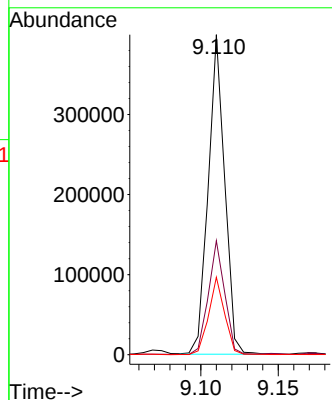
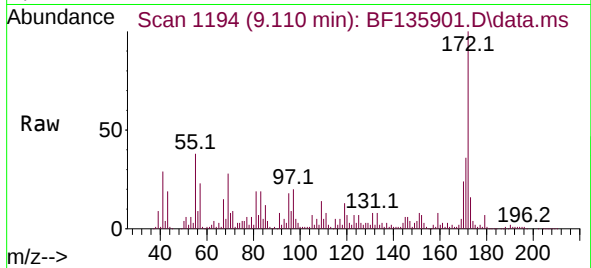




#45
2-Fluorobiphenyl
Concen: 64.212 ng
RT: 9.110 min Scan# 1193
Delta R.T. 0.006 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

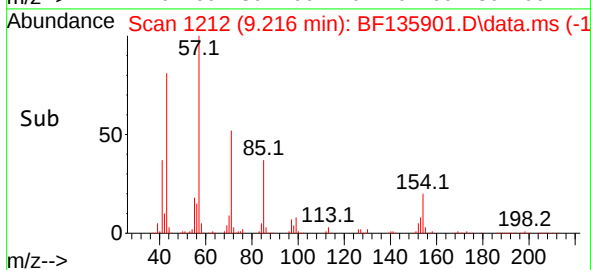
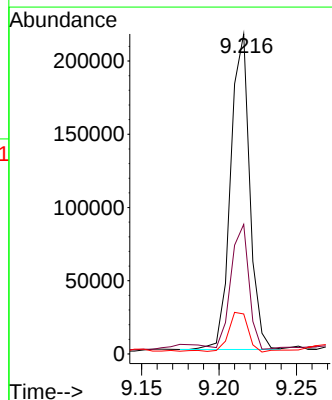
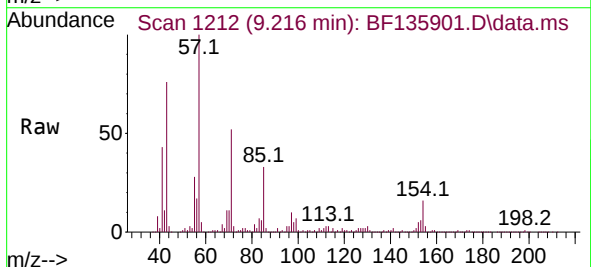
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-7.5-15

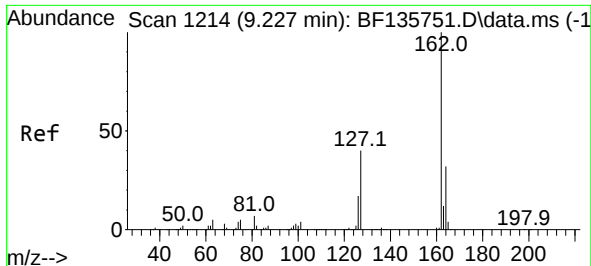
Tgt Ion:172 Resp: 295021
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 24.2 18.8 28.2



#46
1,1'-Biphenyl
Concen: 33.526 ng
RT: 9.216 min Scan# 1212
Delta R.T. 0.012 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

Tgt Ion:154 Resp: 184484
Ion Ratio Lower Upper
154 100
153 40.5 19.4 59.4
76 12.5 0.0 31.7





#47

2-Chloronaphthalene

Concen: 5.386 ng

RT: 9.286 min Scan# 1224

Delta R.T. 0.053 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B4A-7.5-15

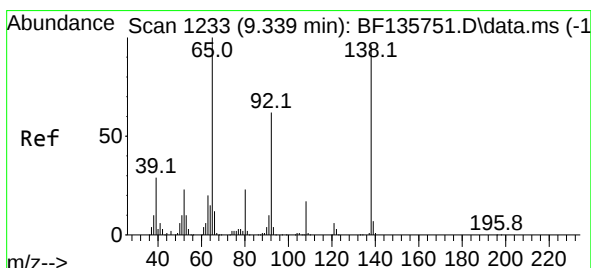
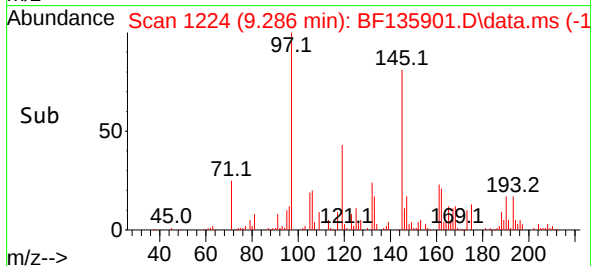
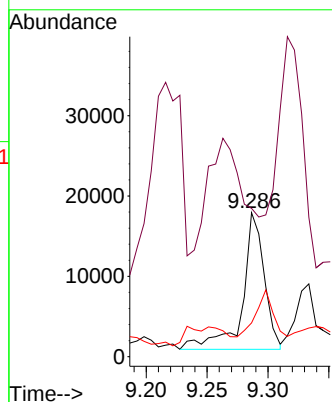
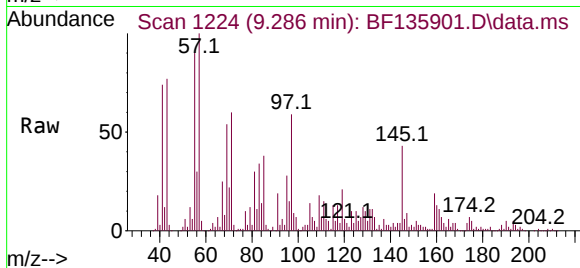
Tgt Ion:162 Resp: 21358

Ion Ratio Lower Upper

162 100

127 103.0 34.7 52.1#

164 23.4 25.6 38.4#



#48

2-Nitroaniline

Concen: 14.549 ng

RT: 9.398 min Scan# 1243

Delta R.T. 0.059 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

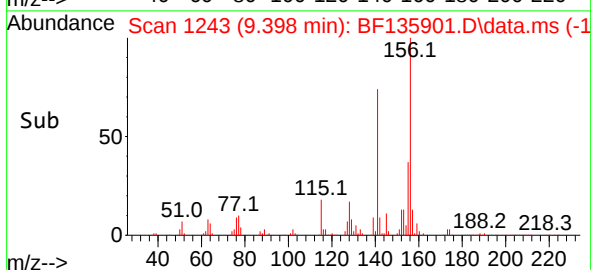
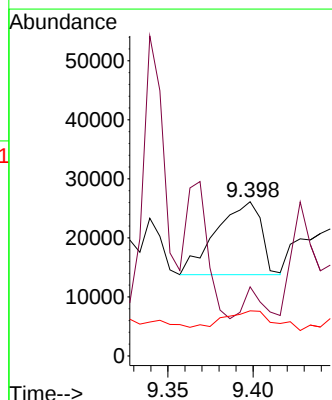
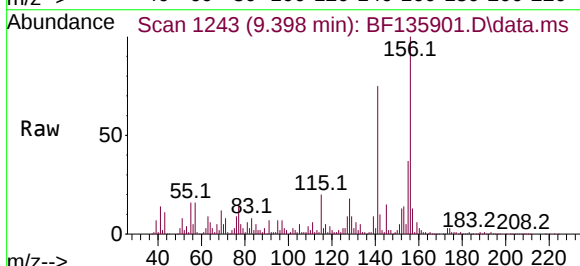
Tgt Ion: 65 Resp: 22775

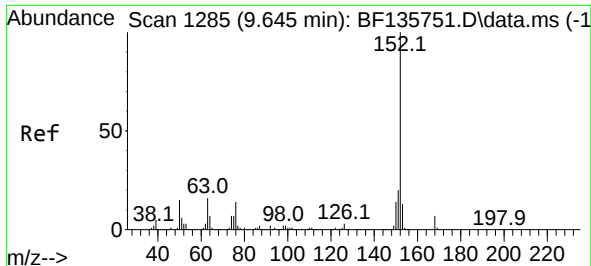
Ion Ratio Lower Upper

65 100

92 44.8 49.4 74.0#

138 29.2 76.6 114.8#

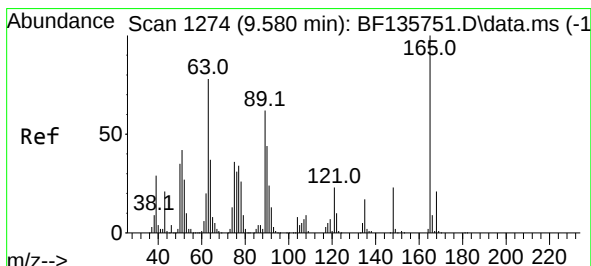
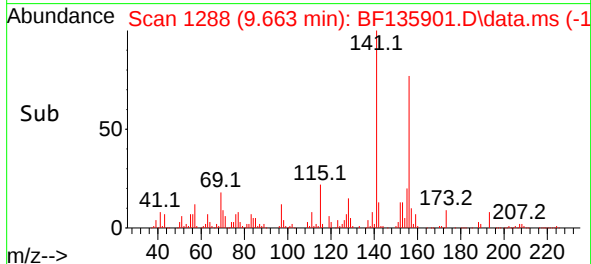
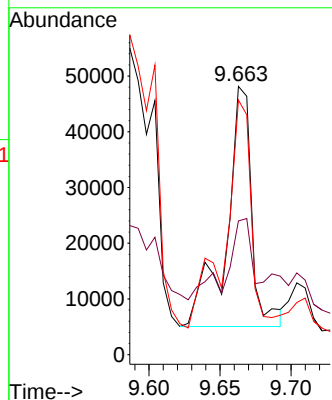
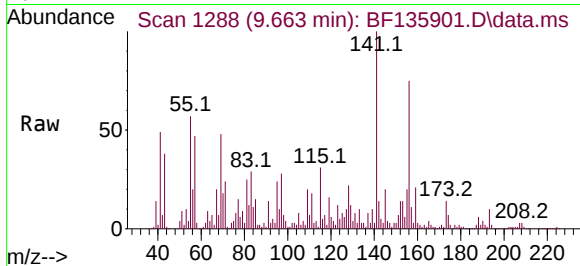




#49
Acenaphthylene
Concen: 8.200 ng
RT: 9.663 min Scan# 1288
Delta R.T. 0.018 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

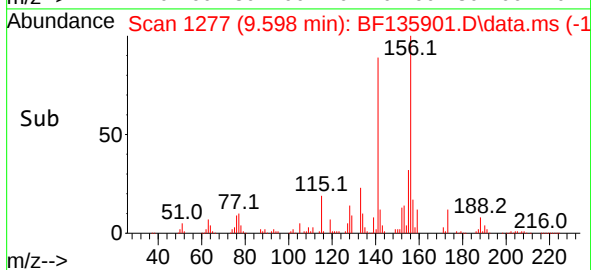
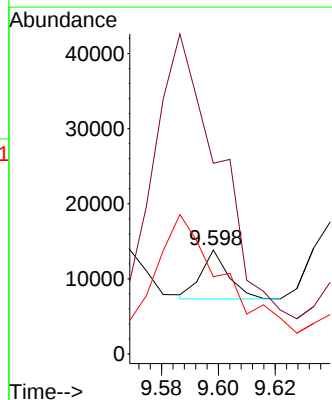
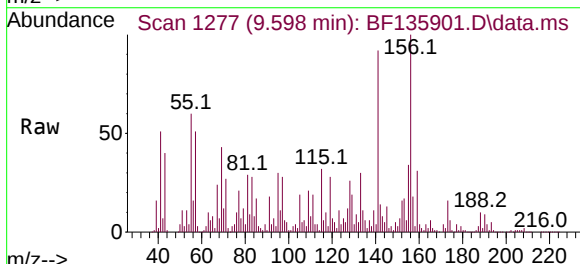
Instrument : BNA_F
ClientSampleId : PP-20230928-B4A-7.5-15

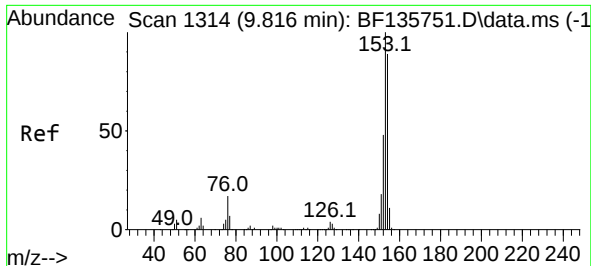
Tgt Ion:152 Resp: 53815
Ion Ratio Lower Upper
152 100
151 49.8 16.2 24.2#
153 94.9 10.2 15.4#



#51
2,6-Dinitrotoluene
Concen: 4.161 ng
RT: 9.598 min Scan# 1277
Delta R.T. 0.012 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

Tgt Ion:165 Resp: 4339
Ion Ratio Lower Upper
165 100
63 183.4 62.2 93.4#
89 74.3 49.6 74.4

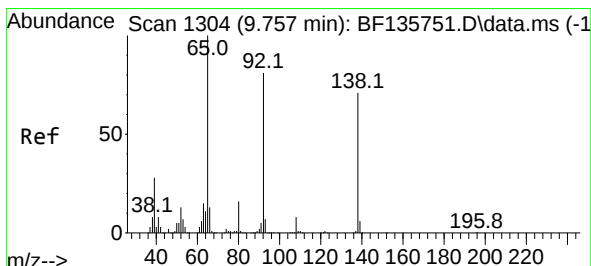
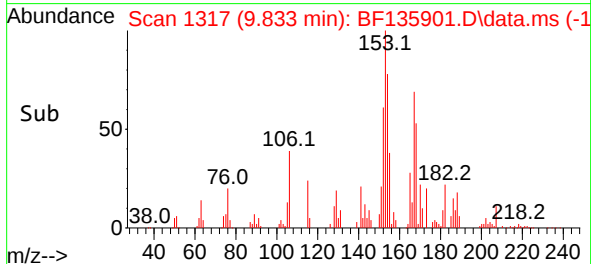
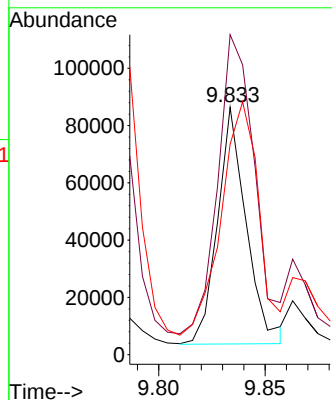
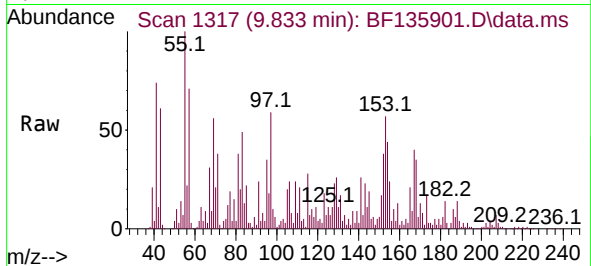




#52
Acenaphthene
Concen: 19.713 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

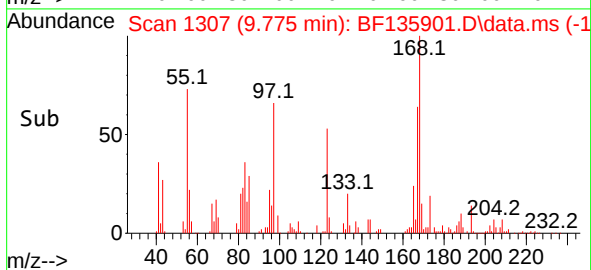
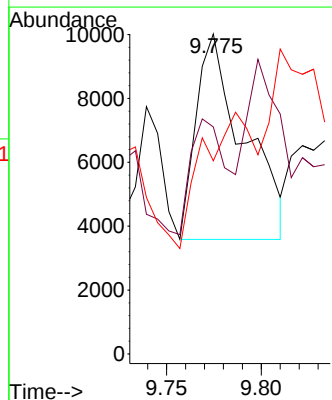
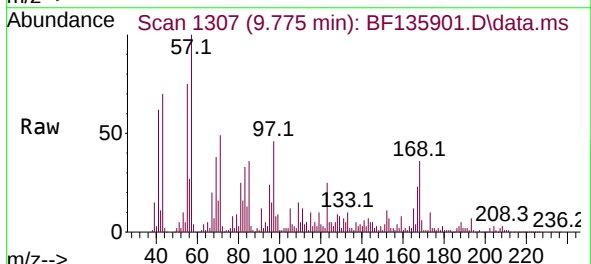
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-7.5-15

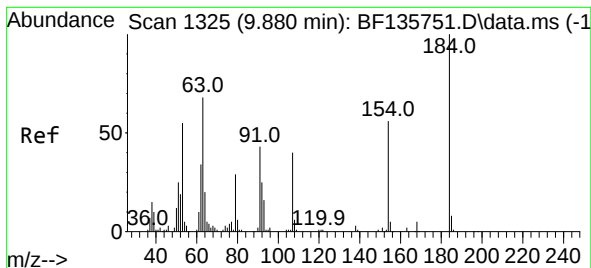
Tgt Ion:154 Resp: 77545
Ion Ratio Lower Upper
154 100
153 129.3 90.1 135.1
152 85.0 43.1 64.7#



#53
3-Nitroaniline
Concen: 8.773 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.018 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

Tgt Ion:138 Resp: 11215
Ion Ratio Lower Upper
138 100
108 70.9 8.6 13.0#
92 60.3 91.3 136.9#





#54

2,4-Dinitrophenol

Concen: 2.816 ng

RT: 9.875 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B4A-7.5-15

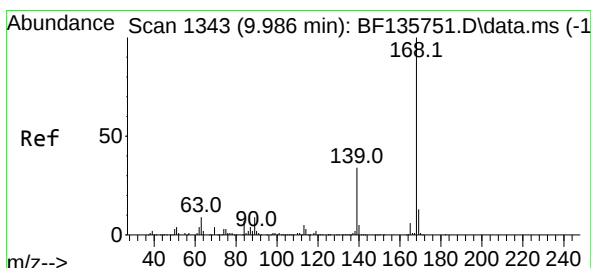
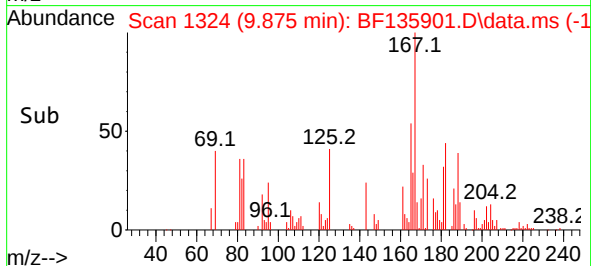
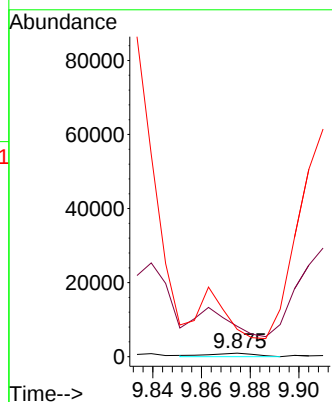
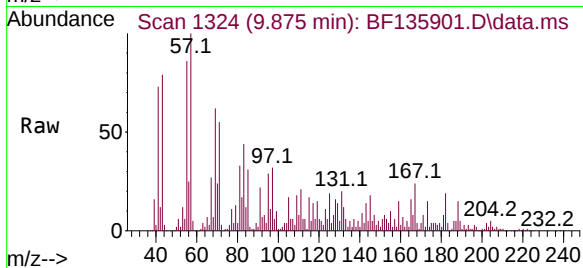
Tgt Ion:184 Resp: 1226

Ion Ratio Lower Upper

184 100

63 871.2 54.6 81.8#

154 784.4 45.0 67.4#



#55

Dibenzofuran

Concen: 16.654 ng

RT: 10.010 min Scan# 1347

Delta R.T. 0.018 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

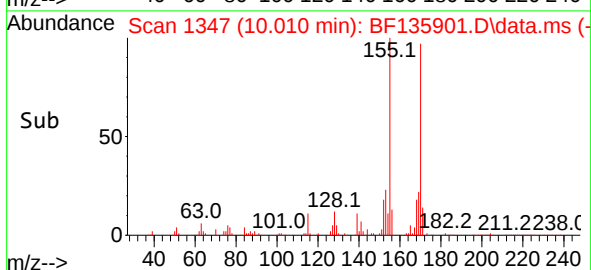
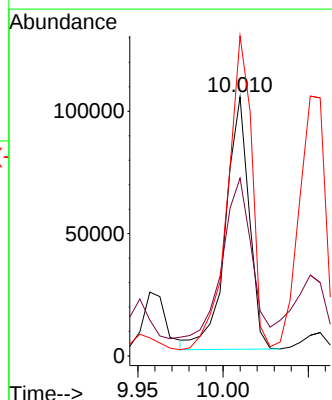
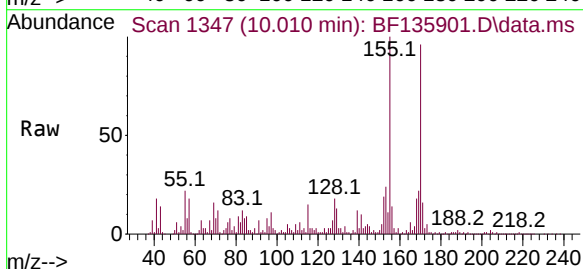
Tgt Ion:168 Resp: 98850

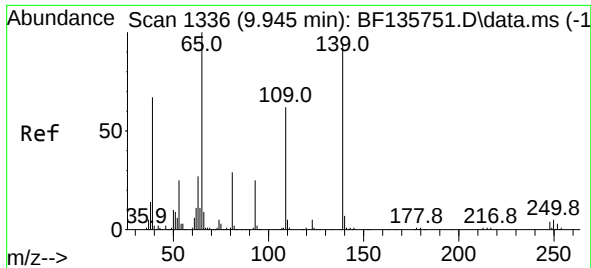
Ion Ratio Lower Upper

168 100

139 68.6 31.0 46.4#

169 123.6 10.7 16.1#

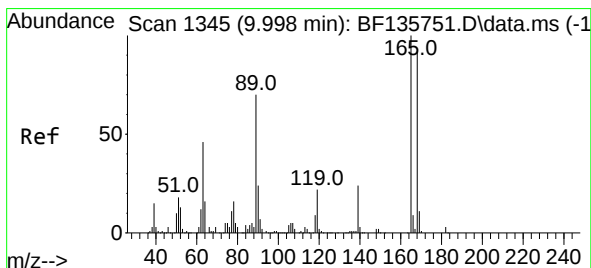
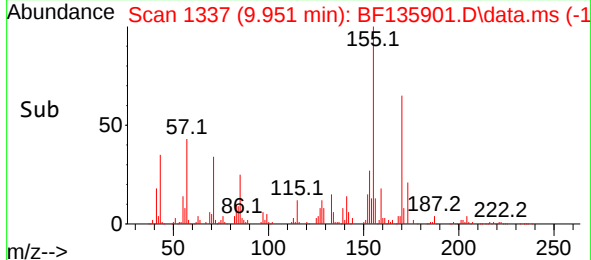
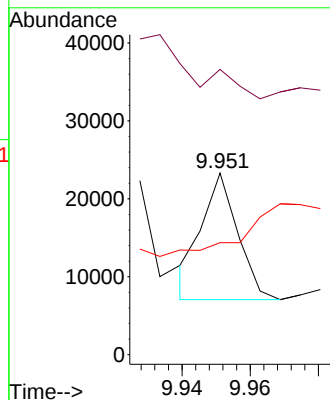
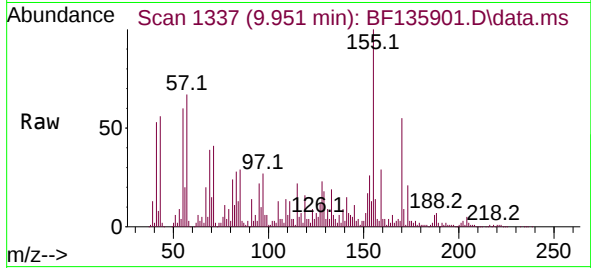




#56
4-Nitrophenol
Concen: 24.438 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

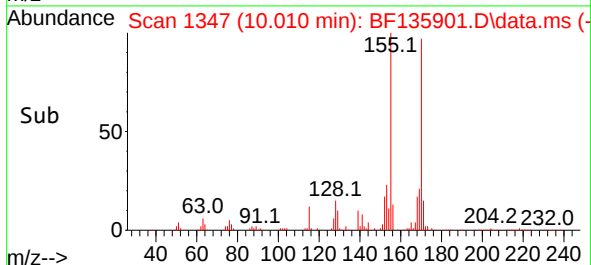
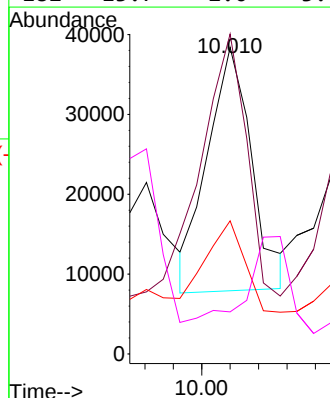
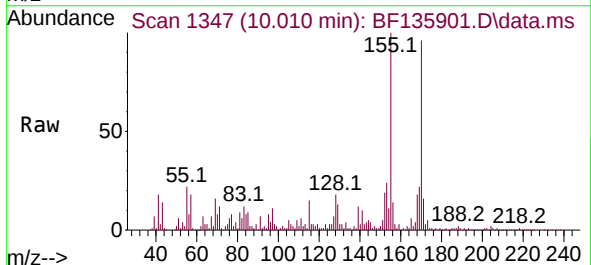
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-7.5-15

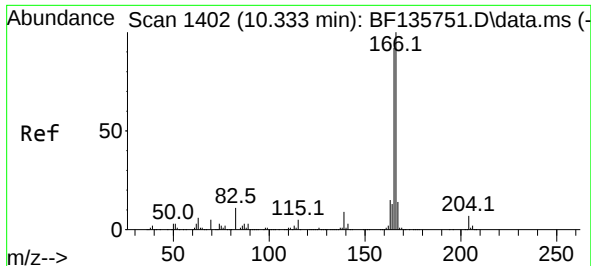
Tgt Ion:139 Resp: 11915
Ion Ratio Lower Upper
139 100
109 157.1 45.6 85.6#
65 61.7 87.5 127.5#



#57
2,4-Dinitrotoluene
Concen: 24.865 ng
RT: 10.010 min Scan# 1347
Delta R.T. 0.006 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

Tgt Ion:165 Resp: 32988
Ion Ratio Lower Upper
165 100
63 104.4 39.0 58.4#
89 43.4 55.9 83.9#
182 13.7 2.0 3.0#

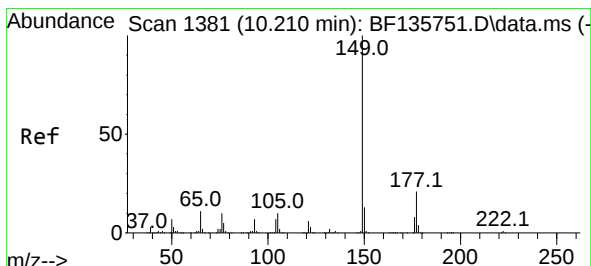
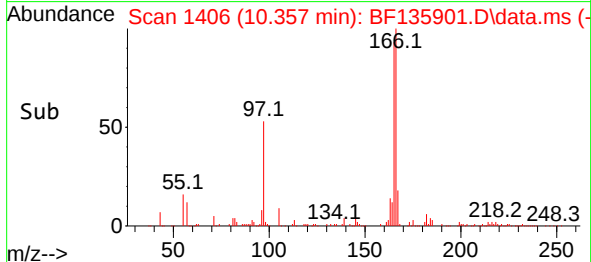
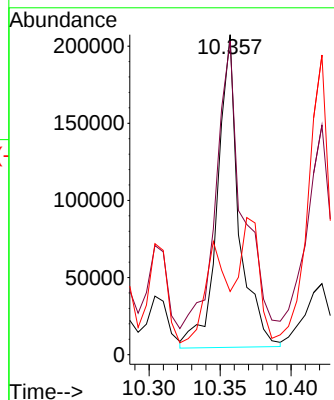
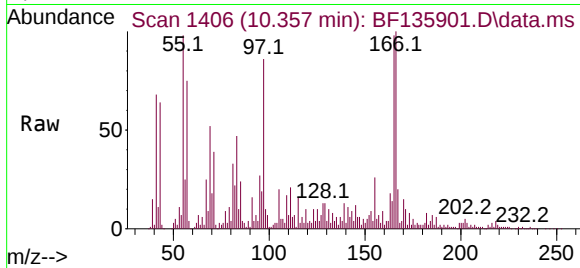




#58
Fluorene
Concen: 46.105 ng
RT: 10.357 min Scan# 1406
Delta R.T. 0.018 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

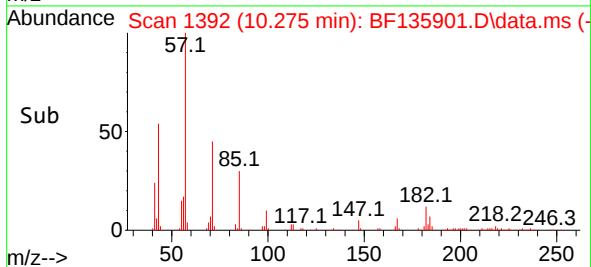
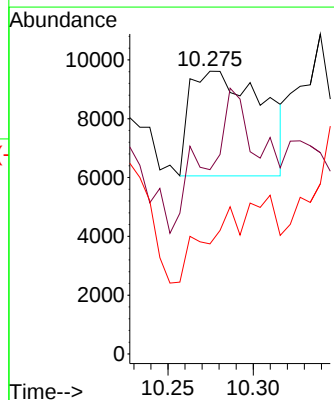
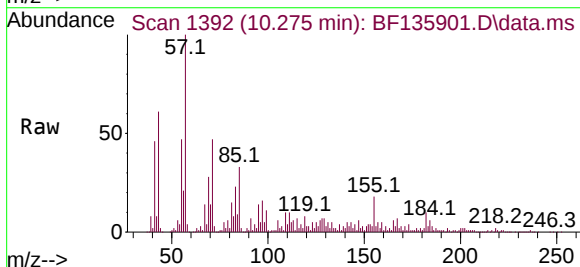
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-7.5-15

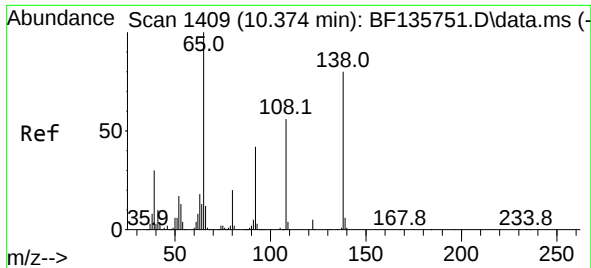
Tgt Ion:166 Resp: 214234
Ion Ratio Lower Upper
166 100
165 97.9 73.4 110.0
167 19.8 11.0 16.6#



#60
Diethylphthalate
Concen: 2.125 ng
RT: 10.275 min Scan# 1392
Delta R.T. 0.059 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

Tgt Ion:149 Resp: 10520
Ion Ratio Lower Upper
149 100
177 65.2 16.9 25.3#
150 38.9 10.2 15.2#

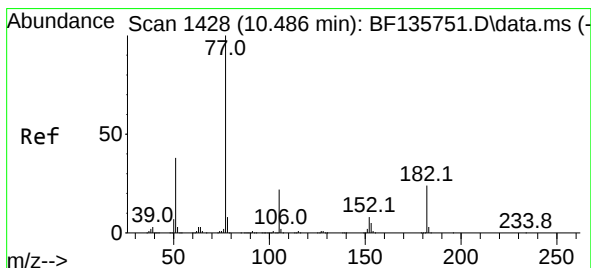
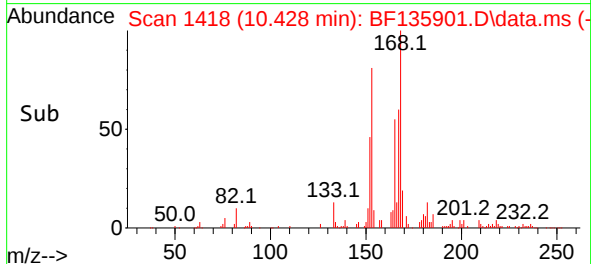
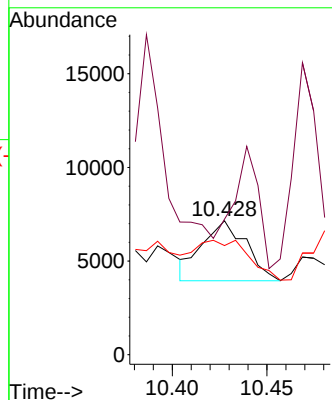
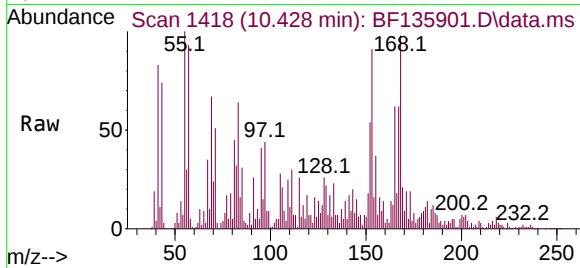




#62
4-Nitroaniline
Concen: 4.400 ng
RT: 10.428 min Scan# 1409
Delta R.T. 0.047 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

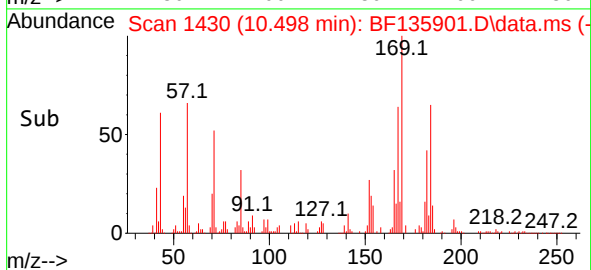
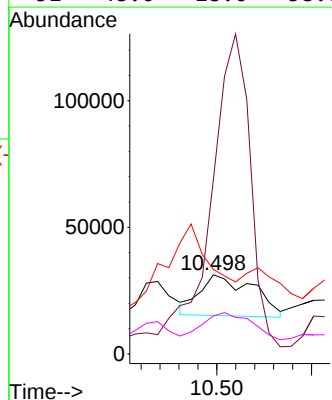
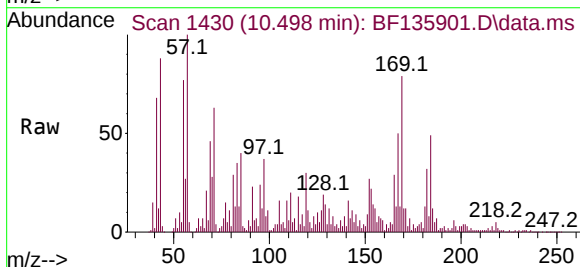
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-7.5-15

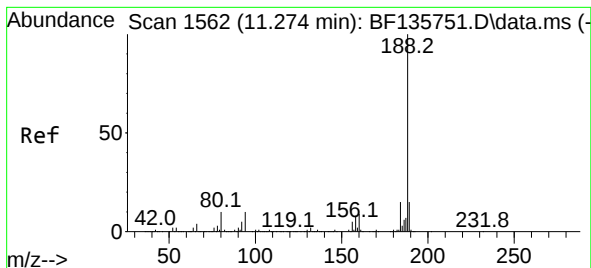
Tgt Ion:138 Resp: 5175
Ion Ratio Lower Upper
138 100
92 101.2 31.9 71.9#
108 81.4 49.7 89.7



#63
Azobenzene
Concen: 6.539 ng
RT: 10.498 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

Tgt Ion: 77 Resp: 31453
Ion Ratio Lower Upper
77 100
182 219.4 3.5 43.5#
105 106.9 2.2 42.2#
51 48.0 18.0 58.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B4A-7.5-15

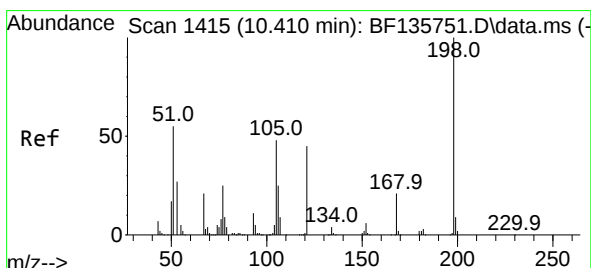
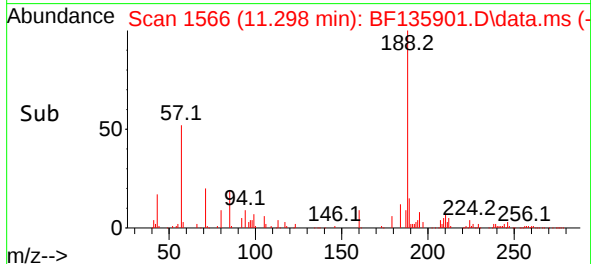
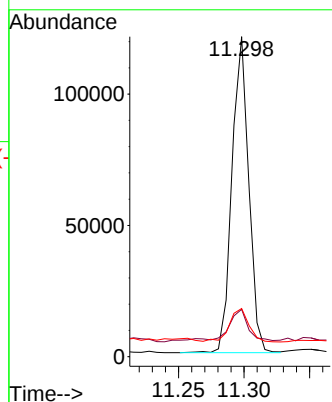
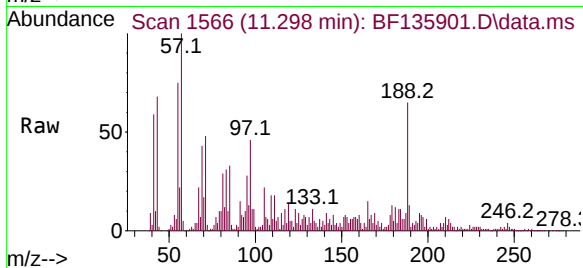
Tgt Ion:188 Resp: 107280

Ion Ratio Lower Upper

188 100

94 14.8 8.0 12.0#

80 15.0 8.3 12.5#



#65

4,6-Dinitro-2-methylphenol

Concen: 3.132 ng

RT: 10.445 min Scan# 1421

Delta R.T. 0.029 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

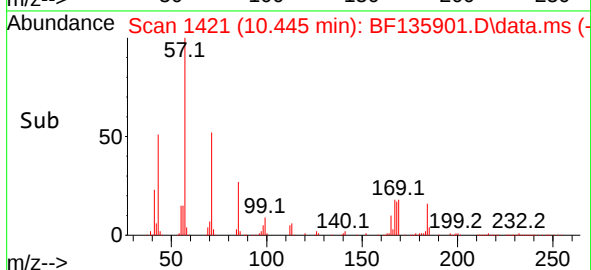
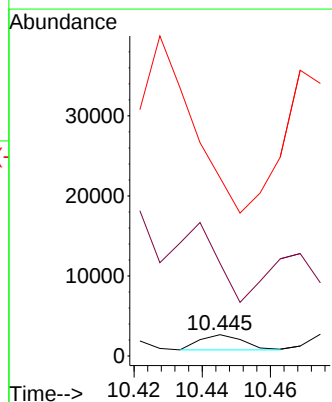
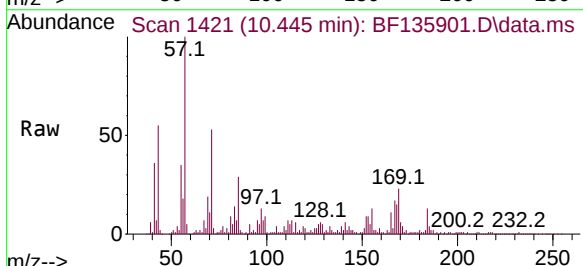
Tgt Ion:198 Resp: 1691

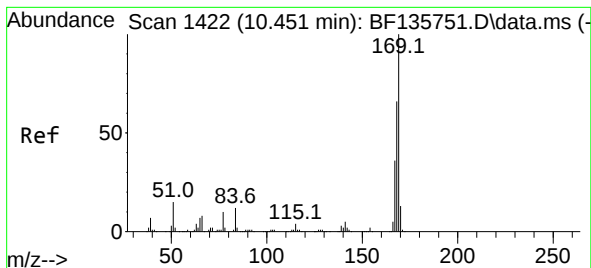
Ion Ratio Lower Upper

198 100

51 433.9 47.6 87.6#

105 834.8 29.2 69.2#





#66

n-Nitrosodiphenylamine

Concen: 68.864 ng

RT: 10.463 min Scan# 1424

Delta R.T. 0.012 min

Lab File: BF135901.D

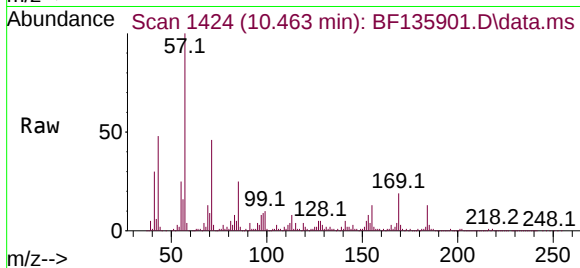
Acq: 19 Oct 2023 22:54

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B4A-7.5-15



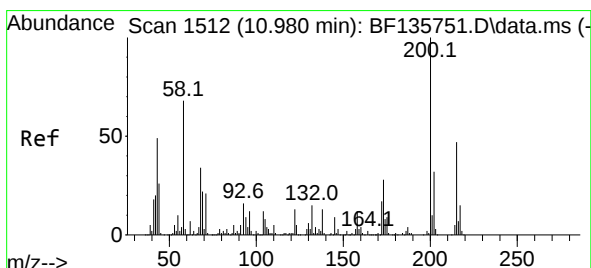
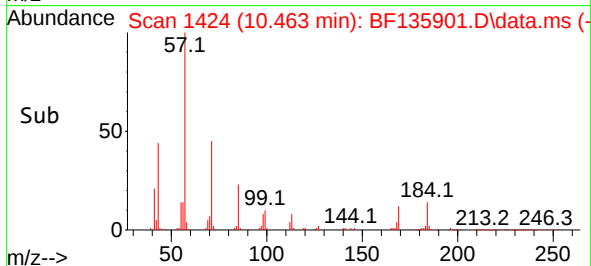
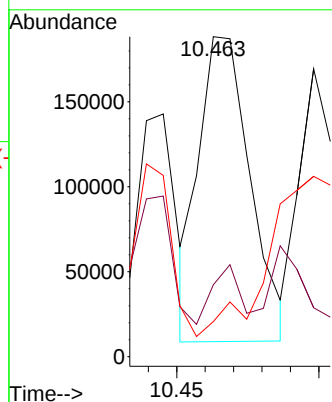
Tgt Ion:169 Resp: 225175

Ion Ratio Lower Upper

169 100

168 22.5 53.4 80.2#

167 11.0 29.2 43.8#



#69

Atrazine

Concen: 10.390 ng

RT: 11.010 min Scan# 1517

Delta R.T. 0.023 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

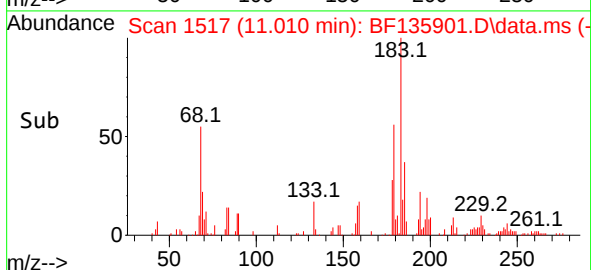
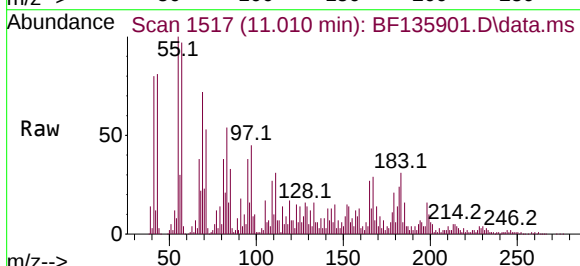
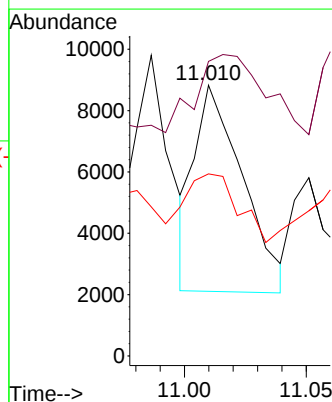
Tgt Ion:200 Resp: 9241

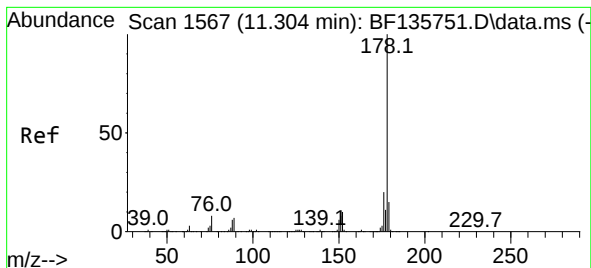
Ion Ratio Lower Upper

200 100

173 108.8 7.6 47.6#

215 67.3 27.1 67.1#





#71

Phenanthrene

Concen: 118.626 ng

RT: 11.328 min Scan# 1571

Delta R.T. 0.023 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B4A-7.5-15

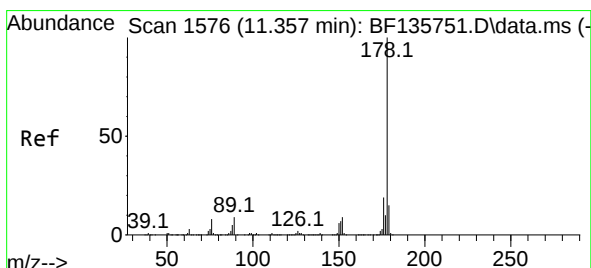
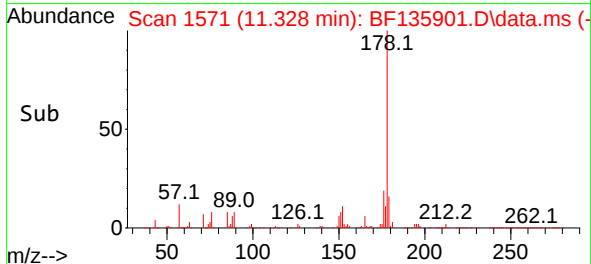
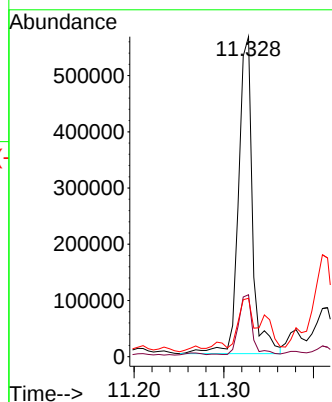
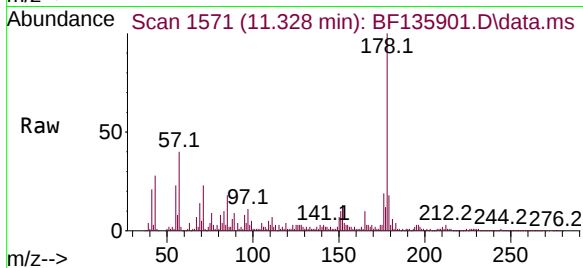
Tgt Ion:178 Resp: 609644

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

179 18.2 12.2 18.4



#72

Anthracene

Concen: 114.463 ng

RT: 11.328 min Scan# 1571

Delta R.T. -0.029 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

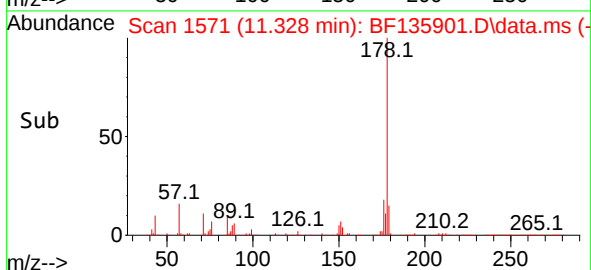
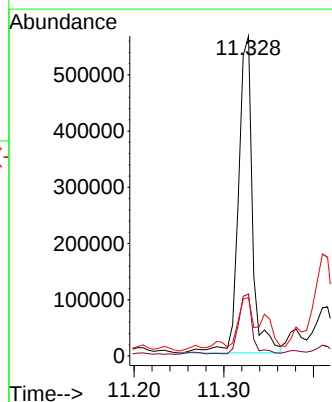
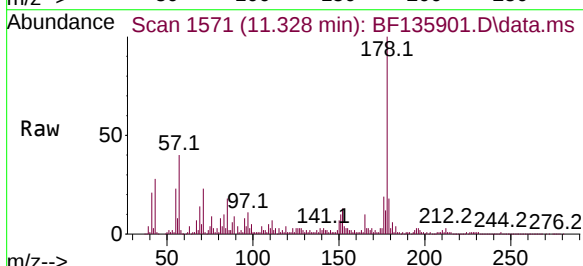
Tgt Ion:178 Resp: 609563

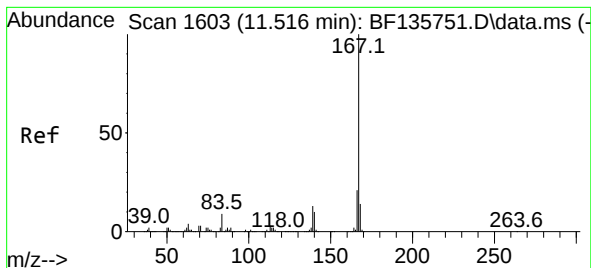
Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

179 18.2 12.3 18.5





#73

Carbazole

Concen: 2.994 ng

RT: 11.533 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B4A-7.5-15

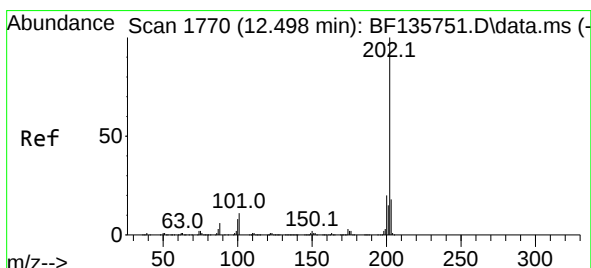
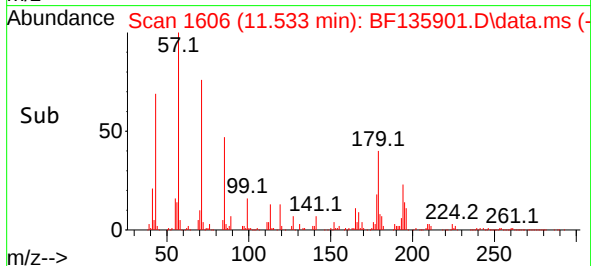
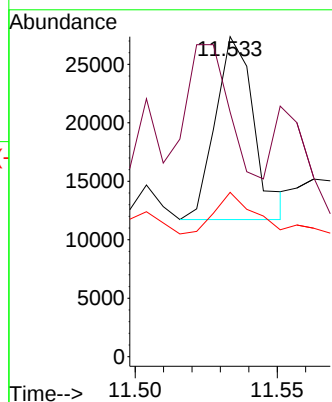
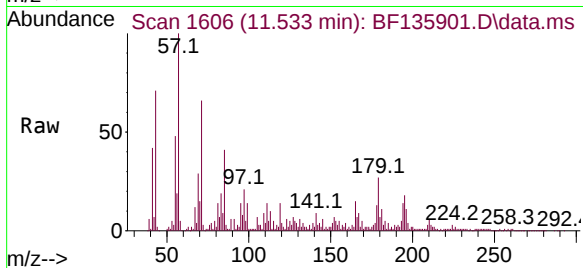
Tgt Ion:167 Resp: 14871

Ion Ratio Lower Upper

167 100

166 76.4 17.1 25.7#

139 51.4 10.2 15.4#



#75

Fluoranthene

Concen: 4.372 ng

RT: 12.516 min Scan# 1773

Delta R.T. 0.012 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

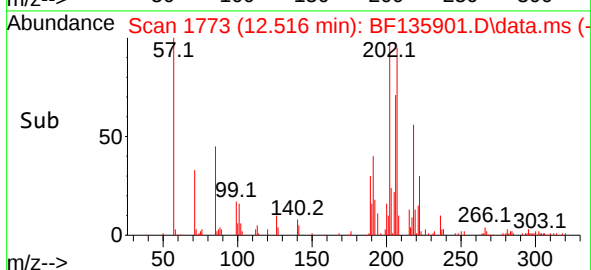
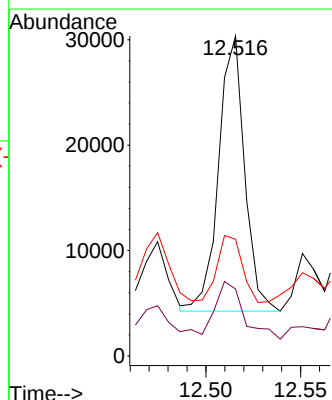
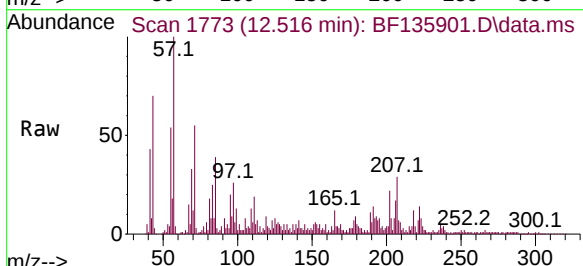
Tgt Ion:202 Resp: 24939

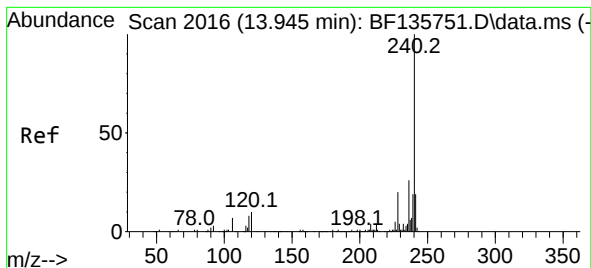
Ion Ratio Lower Upper

202 100

101 20.9 0.0 31.5

203 36.4 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B4A-7.5-15

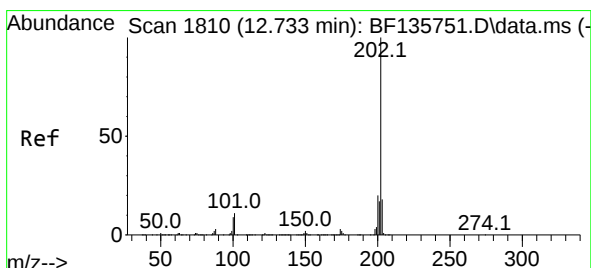
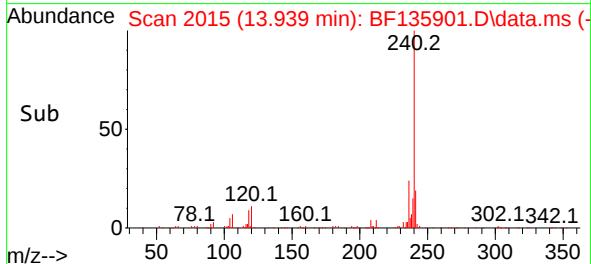
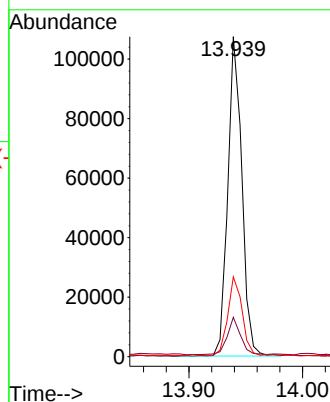
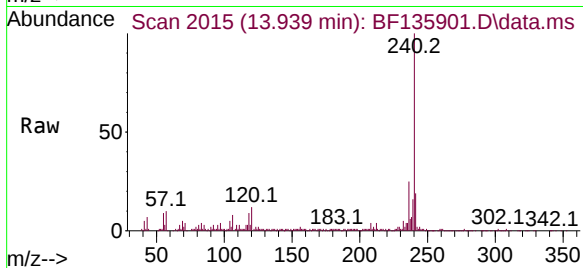
Tgt Ion:240 Resp: 92208

Ion Ratio Lower Upper

240 100

120 12.3 8.2 12.2#

236 24.9 21.2 31.8



#78

Pyrene

Concen: 11.453 ng

RT: 12.745 min Scan# 1812

Delta R.T. 0.012 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

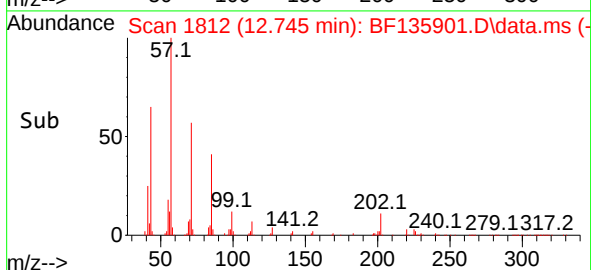
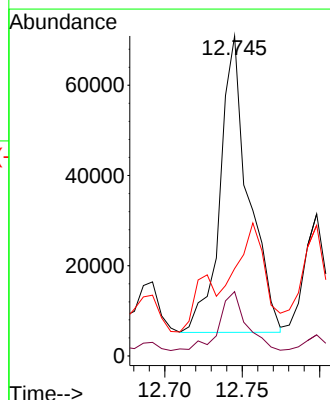
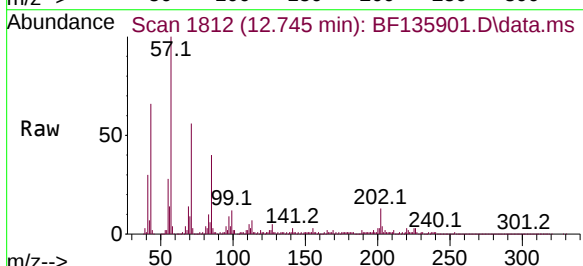
Tgt Ion:202 Resp: 83923

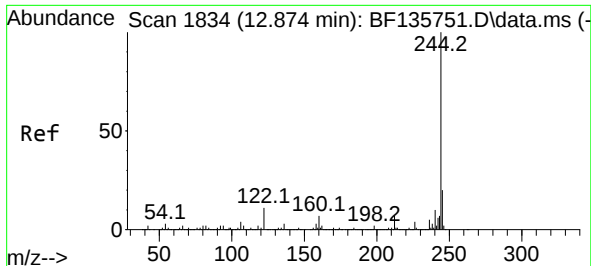
Ion Ratio Lower Upper

202 100

200 20.1 16.1 24.1

203 27.3 14.2 21.2#

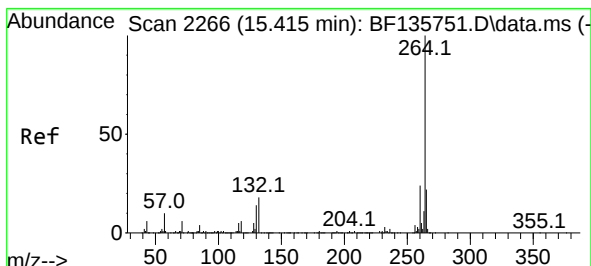
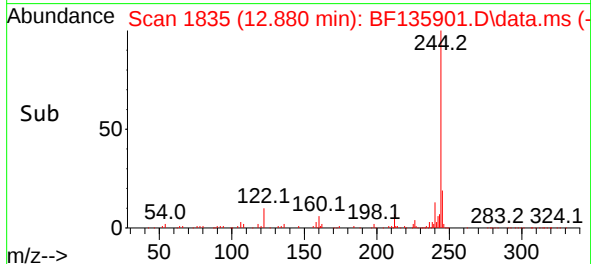
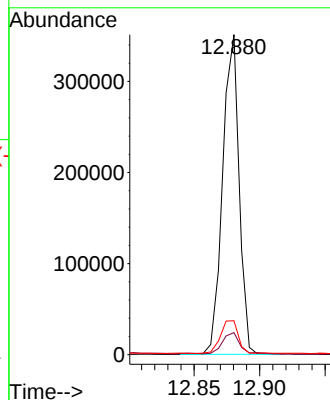
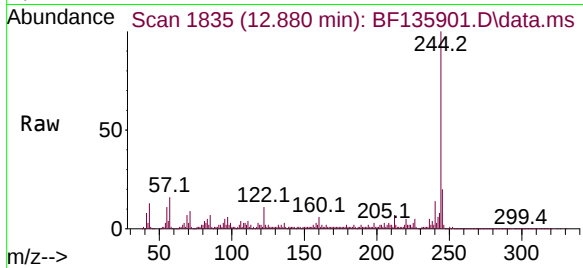




#79
 Terphenyl-d14
 Concen: 61.494 ng
 RT: 12.880 min Scan# 1835
 Delta R.T. -0.000 min
 Lab File: BF135901.D
 Acq: 19 Oct 2023 22:54

Instrument :
 BNA_F
 ClientSampleId :
 PP-20230928-B4A-7.5-15

Tgt Ion:244 Resp: 306182
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 10.6 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 2265
 Delta R.T. -0.012 min
 Lab File: BF135901.D
 Acq: 19 Oct 2023 22:54

Tgt Ion:264 Resp: 74795
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.8 17.4 26.2

