

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
 Data File : BF132010.D
 Acq On : 10 Jan 2023 22:36
 Operator : CG\JU
 Sample : 01080-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3-(15-17)

Quant Time: Jan 11 00:41:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 00:32:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	58825	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	63379	20.000	ng	# 0.04
39) Acenaphthene-d10	9.839	164	91469	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	142546	20.000	ng	0.02
76) Chrysene-d12	14.016	240	112512	20.000	ng	0.03
86) Perylene-d12	15.480	264	90350	20.000	ng	# 0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	399765	111.980	ng	0.00
7) Phenol-d6	6.434	99	504383	106.560	ng	0.00
23) Nitrobenzene-d5	7.363	82	324518	212.509	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	85750	81.535	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	377348	55.692	ng	0.00
79) Terphenyl-d14	12.927	244	338743	43.152	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.292	117	14551	8.717	ng	# 3
19) n-Nitroso-di-n-propyla...	7.363	70	47828	13.968	ng	# 80
22) Acetophenone	7.251	105	4388	2.378	ng	# 65
24) Nitrobenzene	7.440	77	41970	26.997	ng	# 50
28) bis(2-Chloroethoxy)met...	7.822	93	3488	2.209	ng	97
31) Naphthalene	8.234	128	43787978	13073.290	ng	# 85
32) Benzoic acid	8.157	122	68832	116.281	ng	# 1
33) 4-Chloroaniline	8.239	127	7341187	5311.341	ng	# 34
35) Caprolactam	8.834	113	153761	500.589	ng	# 1
37) 2-Methylnaphthalene	8.834	142	5359915	2228.121	ng	100
38) 1-Methylnaphthalene	8.934	142	3956510	1775.252	ng	97
46) 1,1'-Biphenyl	9.257	154	44970	6.370	ng	99
47) 2-Chloronaphthalene	9.328	162	23466	4.282	ng	# 50
48) 2-Nitroaniline	9.428	65	12959	6.511	ng	# 30
49) Acenaphthylene	9.716	152	2923028	343.761	ng	99
52) Acenaphthene	9.881	154	764126	149.708	ng	98
55) Dibenzofuran	10.063	168	2866639	356.300	ng	98
56) 4-Nitrophenol	10.063	139	1202520	1467.430	ng	# 1
57) 2,4-Dinitrotoluene	10.022	165	10217	5.096	ng	# 41
58) Fluorene	10.410	166	2802858	436.101	ng	99
62) 4-Nitroaniline	10.410	138	34037	26.018	ng	# 10
63) Azobenzene	10.551	77	36443	4.900	ng	# 1
66) n-Nitrosodiphenylamine	10.551	169	22486	5.028	ng	# 50
67) 4-Bromophenyl-phenylether	10.639	248	5626	3.155	ng	# 1
71) Phenanthrene	11.410	178	12227280	1645.449	ng	93
72) Anthracene	11.410	178	12227280	1598.361	ng	93
73) Carbazole	11.580	167	785278	123.992	ng	98
75) Fluoranthene	12.604	202	9769031	1168.936	ng	93
78) Pyrene	12.839	202	9314614	907.700	ng	94
81) Benzo(a)anthracene	14.004	228	3681810	449.792	ng	94
82) 3,3'-Dichlorobenzidine	14.039	252	37144	14.539	ng	# 1
83) Chrysene	14.004	228	3681810	481.285	ng	98
84) Bis(2-ethylhexyl)phtha...	14.004	149	15554	2.772	ng	# 93
87) Indeno(1,2,3-cd)pyrene	16.980	276	1131903	204.272	ng	96
88) Benzo(b)fluoranthene	15.068	252	3638304	587.115	ng	98
89) Benzo(k)fluoranthene	15.068	252	3638304	588.287	ng	# 97

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Misc :
ALS Vial : 16 Sample Multiplier: 1

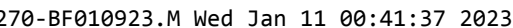
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

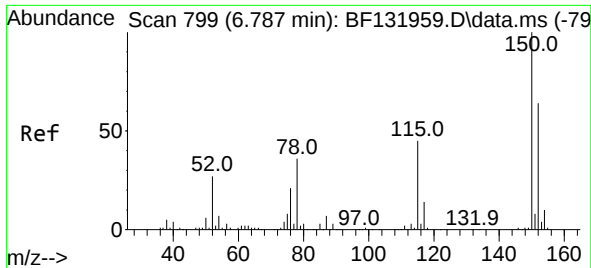
Quant Time: Jan 11 00:41:26 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 10 00:32:25 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(a)pyrene	15.439	252	2065859	370.003	ng	96
91) Dibenzo(a,h)anthracene	17.021	278	79490	17.113	ng	92
92) Benzo(g,h,i)perylene	17.427	276	1118043	211.807	ng	97

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

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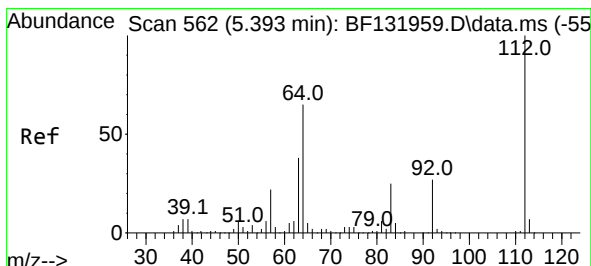
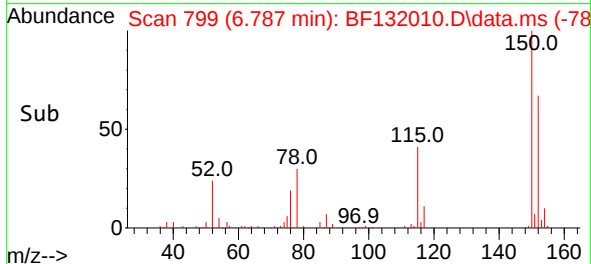
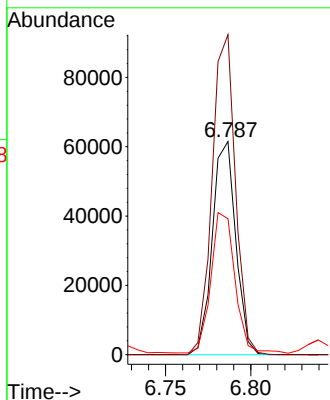
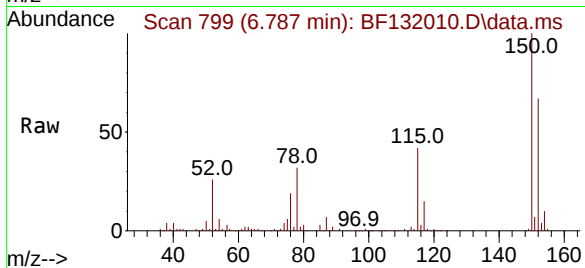




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

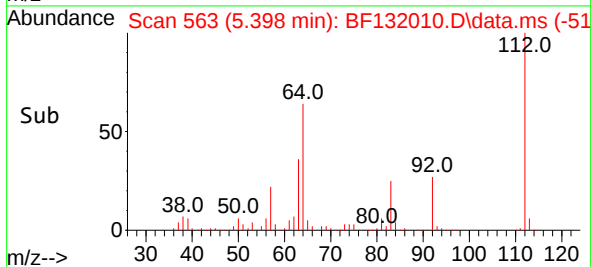
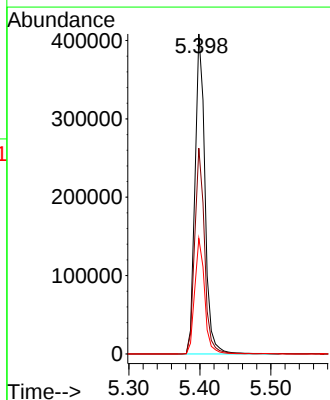
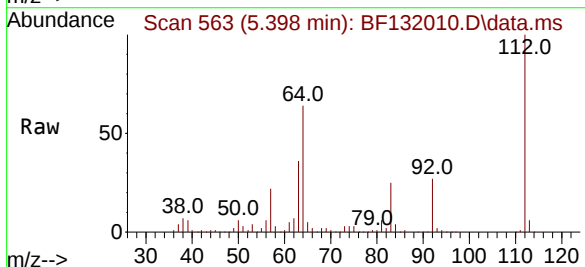
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

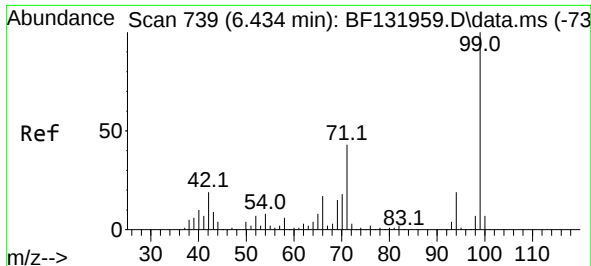
Tgt Ion:152 Resp: 58825
Ion Ratio Lower Upper
152 100
150 150.2 124.6 186.8
115 63.8 55.6 83.4



#5
2-Fluorophenol
Concen: 111.980 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

Tgt Ion:112 Resp: 399765
Ion Ratio Lower Upper
112 100
64 64.3 51.9 77.9
63 36.1 30.2 45.2

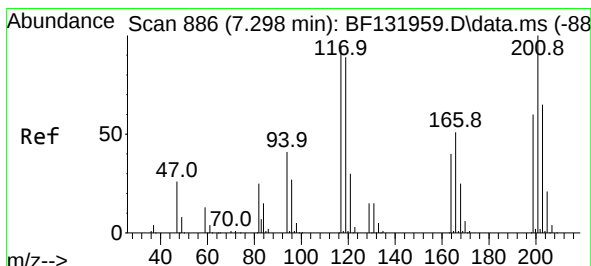
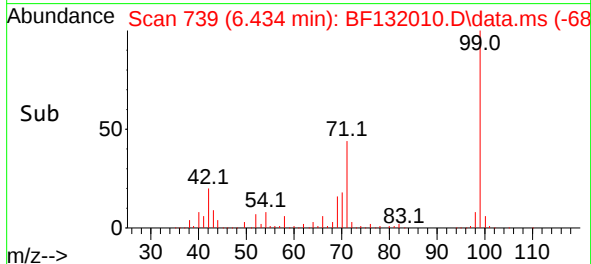
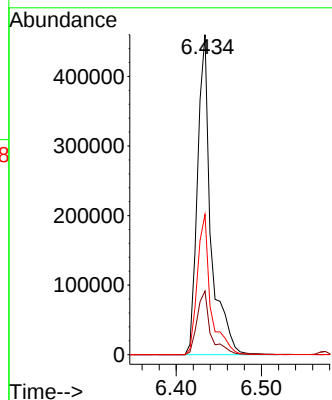
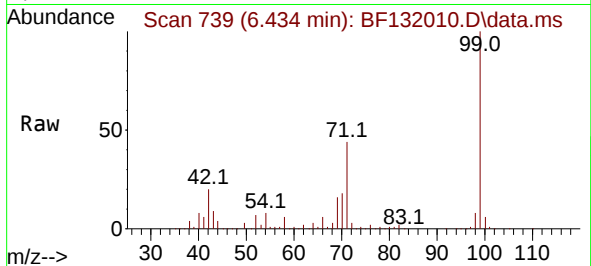




#7
Phenol-d6
Concen: 106.560 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

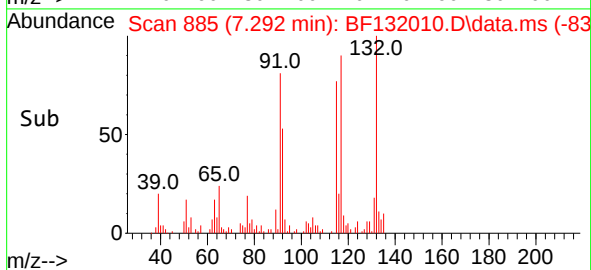
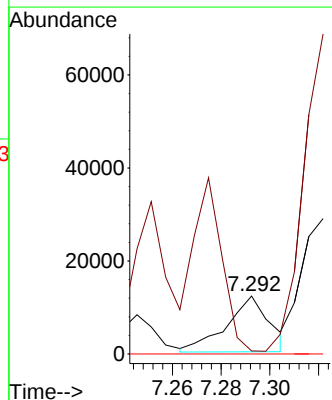
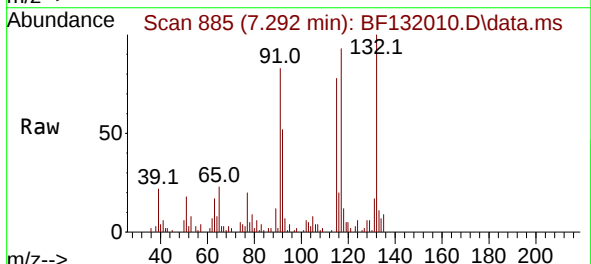
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BNA_F
ClientSampleId :
B-3-(15-17)

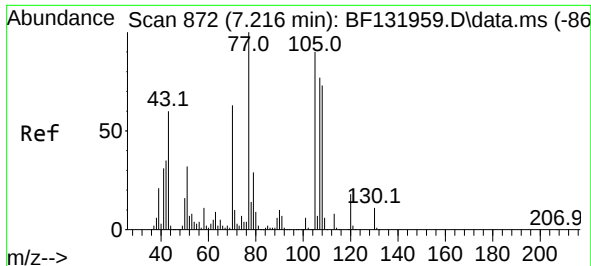
Tgt Ion: 99 Resp: 504383
Ion Ratio Lower Upper
99 100
42 19.9 15.4 23.2
71 43.8 34.6 51.8



#18
Hexachloroethane
Concen: 8.717 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

Tgt Ion: 117 Resp: 14551
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.0#
201 0.0 84.2 126.4#

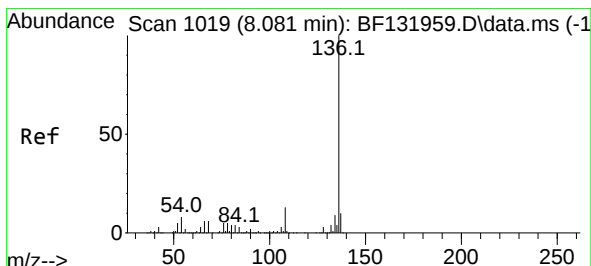
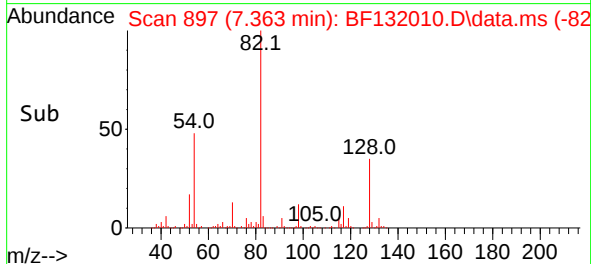
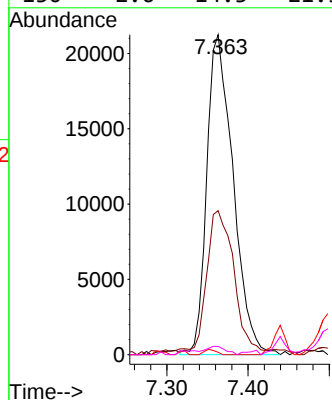
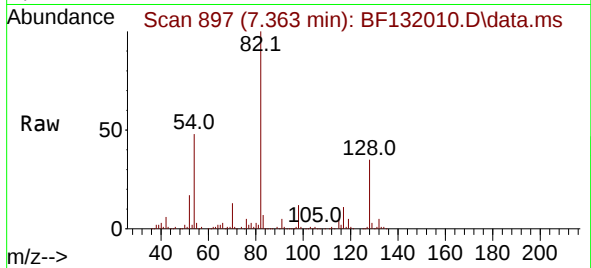




#19
n-Nitroso-di-n-propylamine
Concen: 13.968 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.147 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

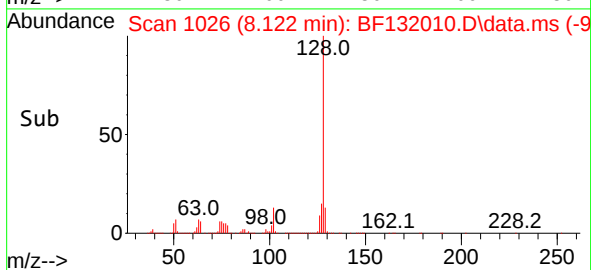
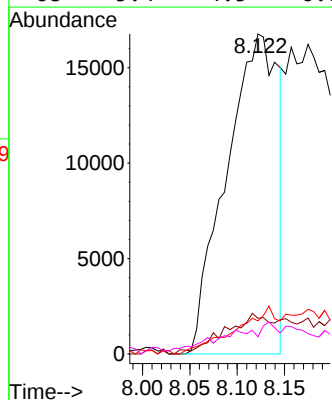
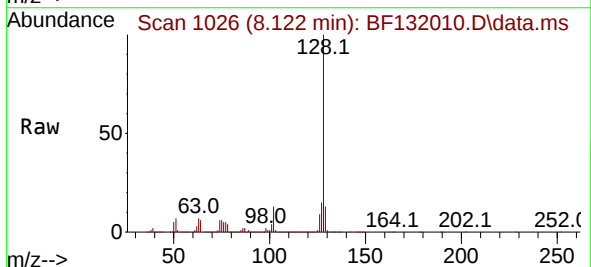
Instrument :
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ClientSampleId :
B-3-(15-17)

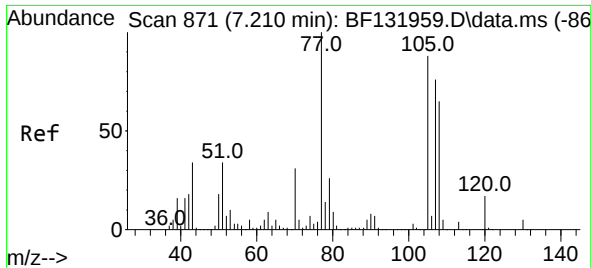
Tgt Ion: 70 Resp: 47828
Ion Ratio Lower Upper
70 100
42 45.0 44.3 66.5
101 0.8 7.5 11.3#
130 2.6 14.3 21.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.041 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

Tgt Ion:136 Resp: 63379
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.2
54 10.4 6.6 9.8#
68 5.4 4.5 6.7

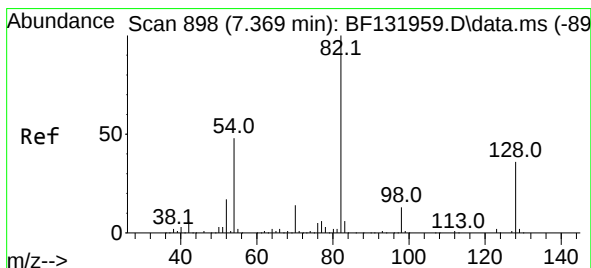
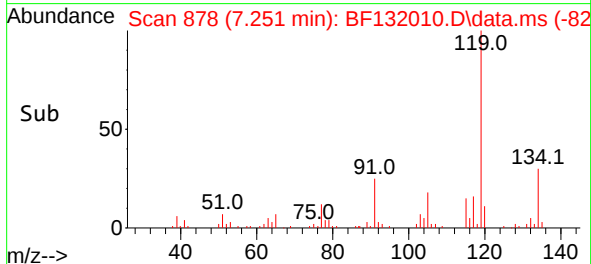
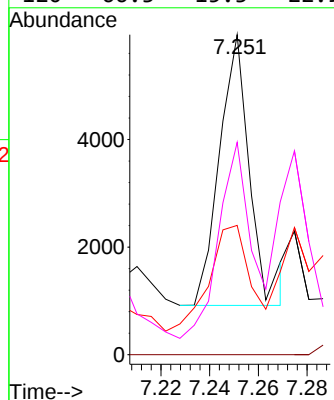
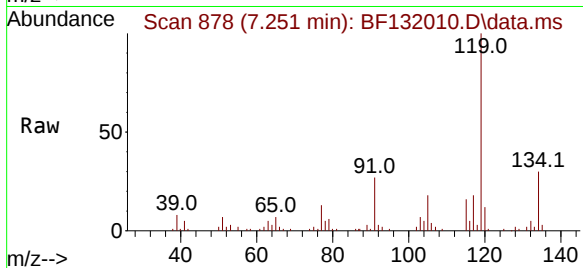




#22
Acetophenone
Concen: 2.378 ng
RT: 7.251 min Scan# 81
Delta R.T. 0.041 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

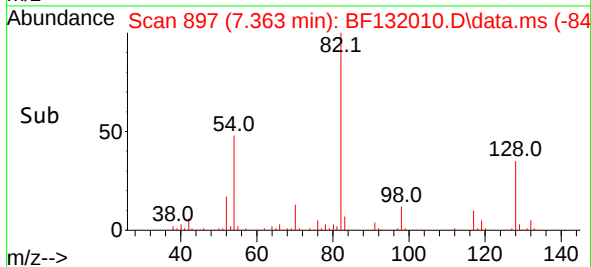
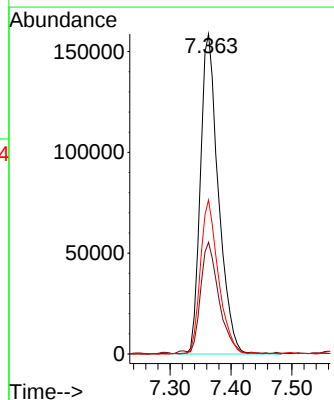
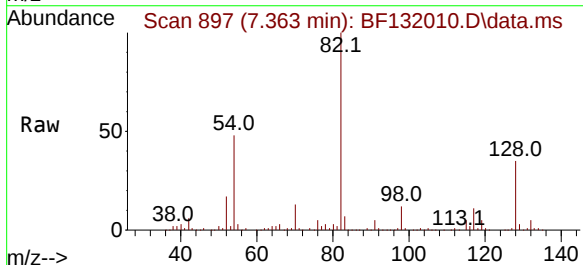
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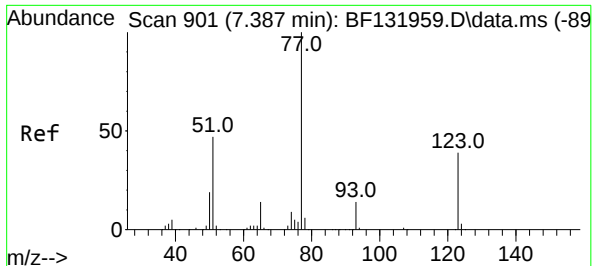
Tgt Ion:105 Resp: 4388
Ion Ratio Lower Upper
105 100
71 0.0 4.6 7.0#
51 40.4 30.6 46.0
120 66.3 15.3 22.9#



#23
Nitrobenzene-d5
Concen: 212.509 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

Tgt Ion: 82 Resp: 324518
Ion Ratio Lower Upper
82 100
128 34.9 28.7 43.1
54 48.1 38.1 57.1

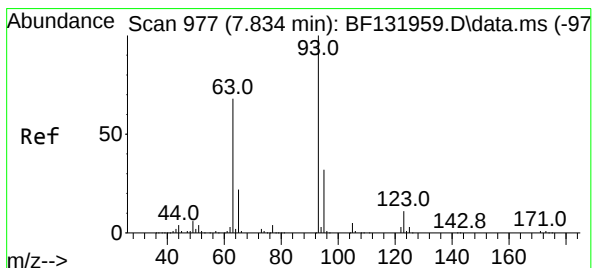
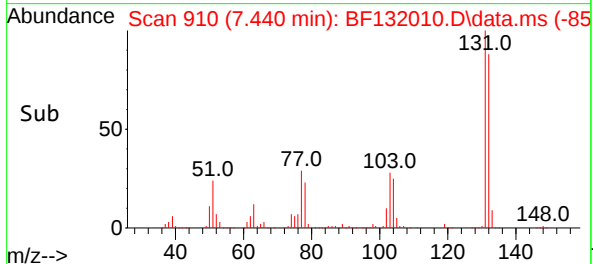
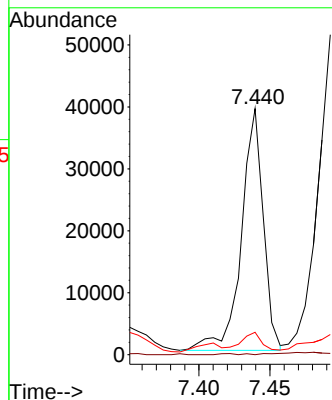
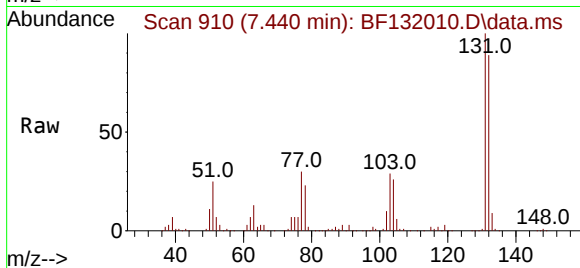




#24
Nitrobenzene
Concen: 26.997 ng
RT: 7.440 min Scan# 910
Delta R.T. 0.053 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

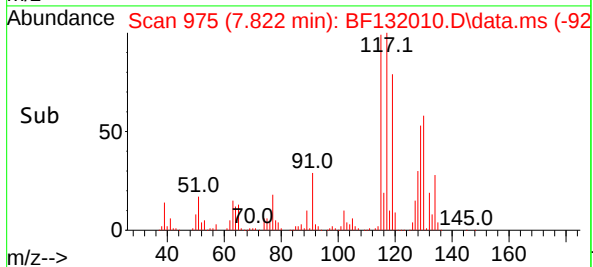
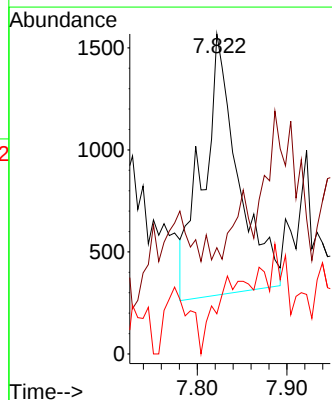
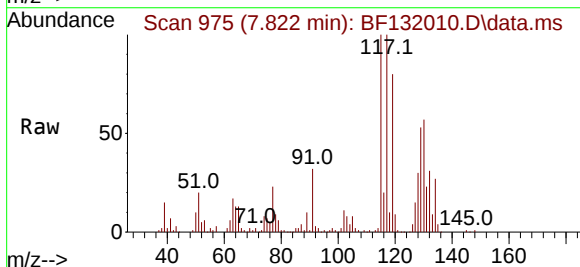
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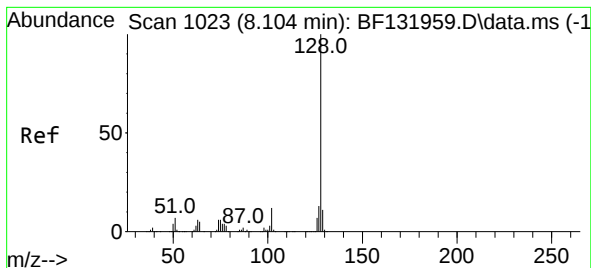
Tgt Ion: 77 Resp: 41970
Ion Ratio Lower Upper
77 100
123 0.0 30.9 46.3#
65 9.1 10.8 16.2#



#28
bis(2-Chloroethoxy)methane
Concen: 2.209 ng
RT: 7.822 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

Tgt Ion: 93 Resp: 3488
Ion Ratio Lower Upper
93 100
95 33.2 25.8 38.6
123 12.6 8.4 12.6





#31

Naphthalene

Concen: 13073.290 ng

RT: 8.234 min Scan# 1045

Delta R.T. 0.129 min

Lab File: BF132010.D

Acq: 10 Jan 2023 22:36

Instrument :

BNA_F

ClientSampleId :

B-3-(15-17)

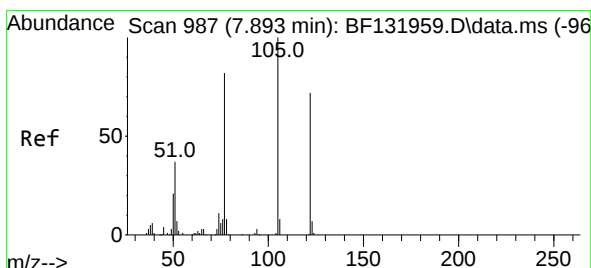
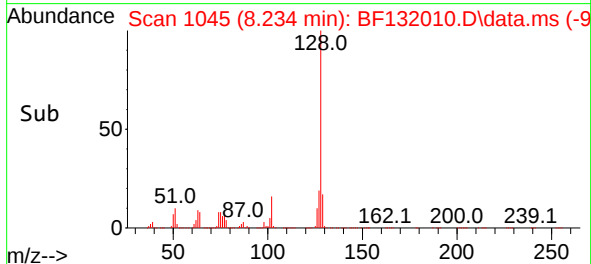
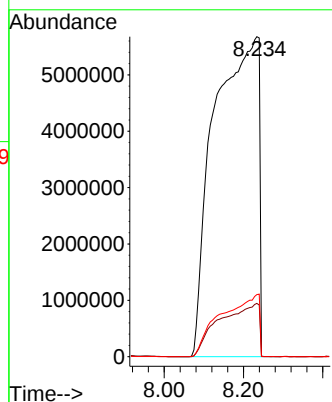
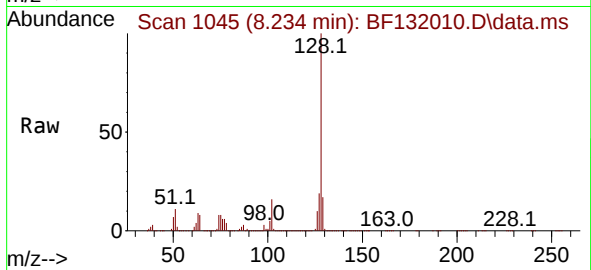
Tgt Ion:128 Resp:43787978

Ion Ratio Lower Upper

128 100

129 16.7 8.8 13.2#

127 19.4 10.5 15.7#



#32

Benzoic acid

Concen: 116.281 ng

RT: 8.157 min Scan# 1032

Delta R.T. 0.264 min

Lab File: BF132010.D

Acq: 10 Jan 2023 22:36

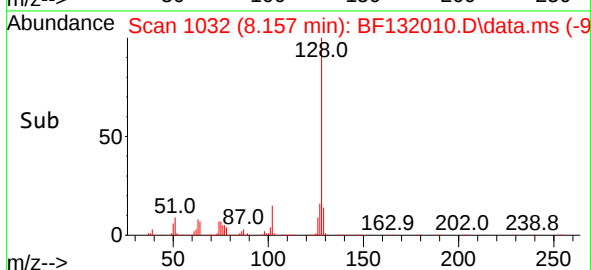
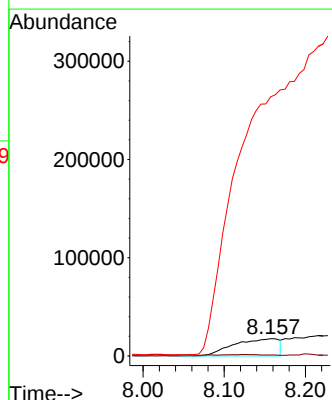
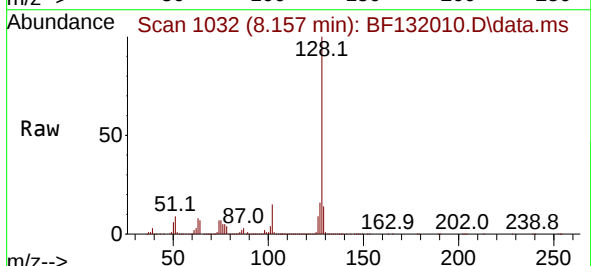
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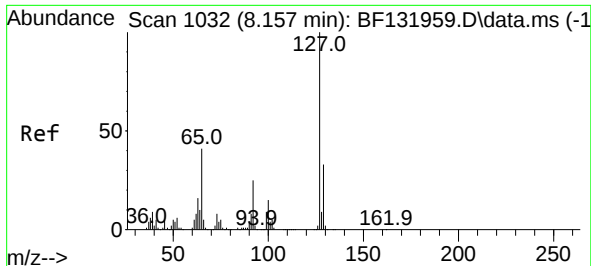
Ion Ratio Lower Upper

122 100

105 5.7 116.3 156.3#

77 1504.3 92.7 132.7#

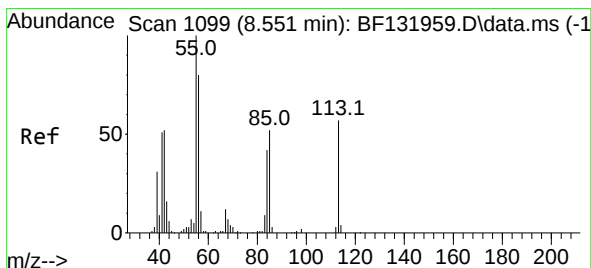
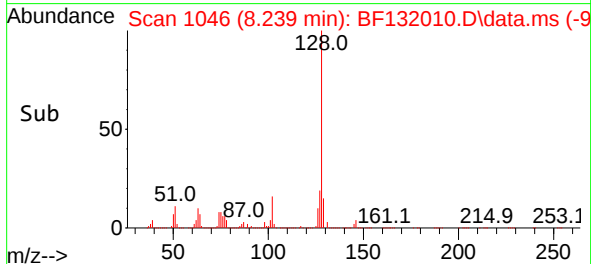
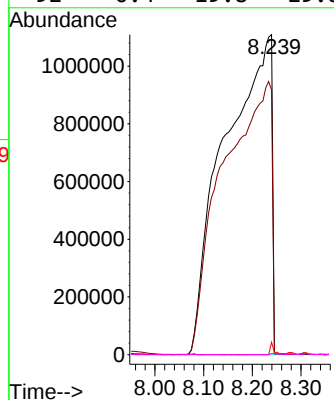
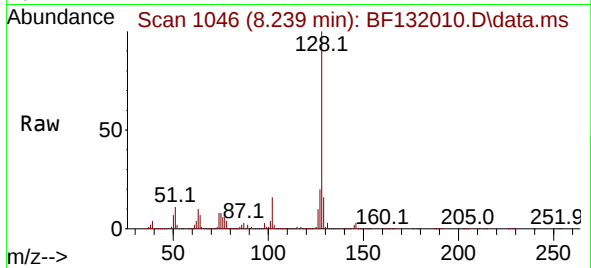




#33
4-Chloroaniline
Concen: 5311.341 ng
RT: 8.239 min Scan# 1147
Delta R.T. 0.082 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

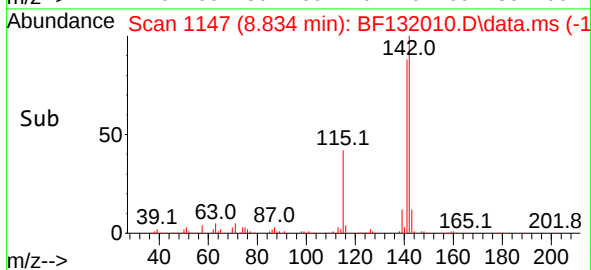
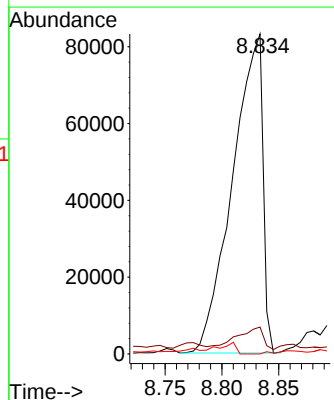
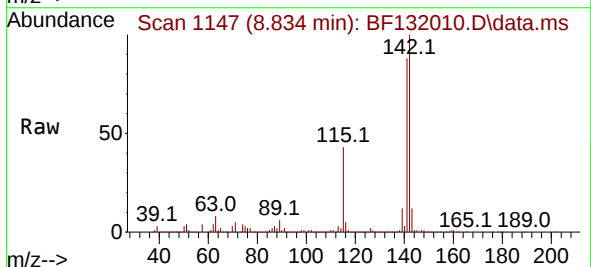
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

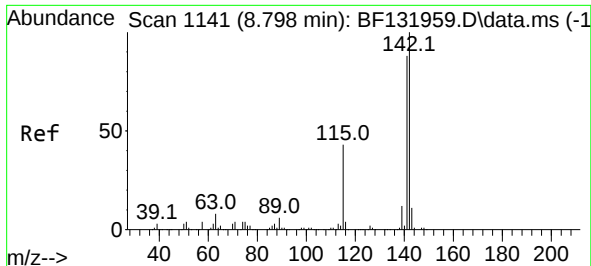
Tgt Ion:127 Resp: 7341187
Ion Ratio Lower Upper
127 100
129 82.7 26.5 39.7#
65 3.9 33.1 49.7#
92 0.4 19.8 29.8#



#35
Caprolactam
Concen: 500.589 ng
RT: 8.834 min Scan# 1147
Delta R.T. 0.282 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

Tgt Ion:113 Resp: 153761
Ion Ratio Lower Upper
113 100
55 8.4 154.4 194.4#
56 0.0 119.6 159.6#





#37

2-Methylnaphthalene

Concen: 2228.121 ng

RT: 8.834 min Scan# 1147

Delta R.T. 0.035 min

Lab File: BF132010.D

Acq: 10 Jan 2023 22:36

Instrument :

BNA_F

ClientSampleId :

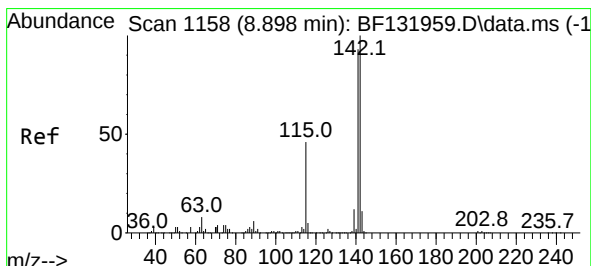
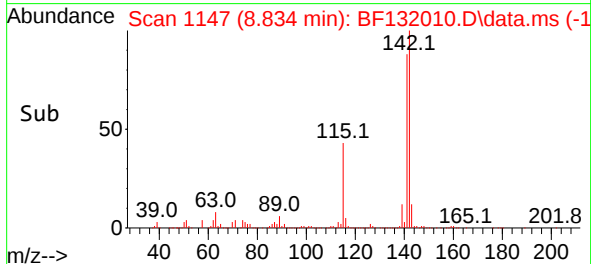
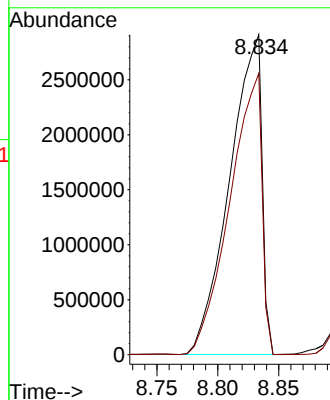
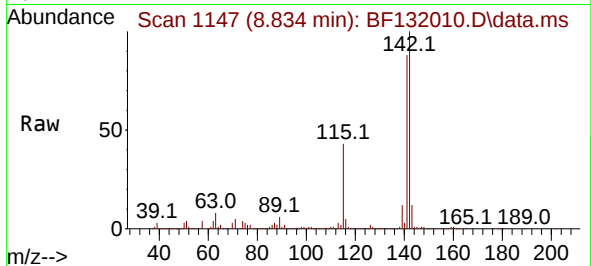
B-3-(15-17)

Tgt Ion:142 Resp: 5359915

Ion Ratio Lower Upper

142 100

141 87.9 70.6 106.0



#38

1-Methylnaphthalene

Concen: 1775.252 ng

RT: 8.934 min Scan# 1164

Delta R.T. 0.035 min

Lab File: BF132010.D

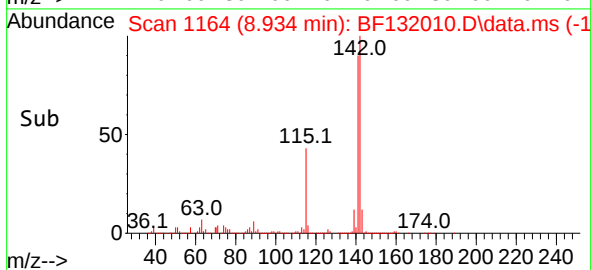
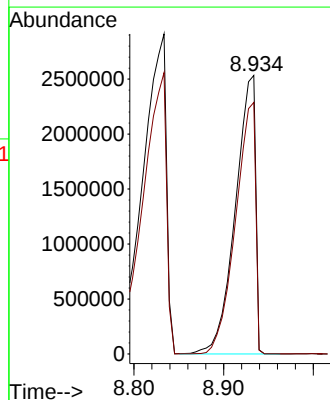
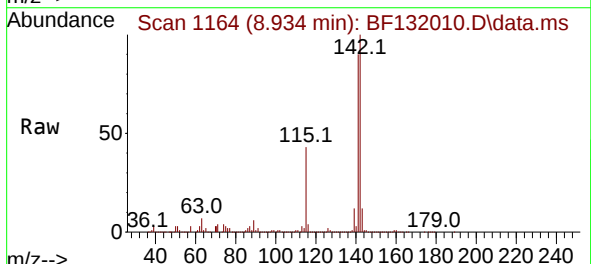
Acq: 10 Jan 2023 22:36

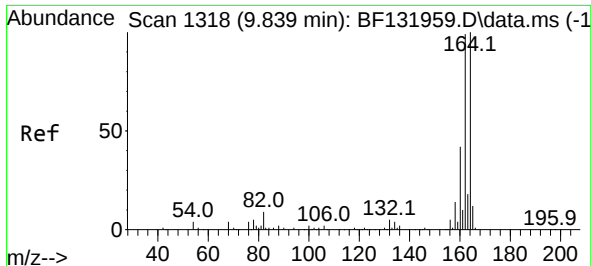
Tgt Ion:142 Resp: 3956510

Ion Ratio Lower Upper

142 100

141 90.3 74.3 111.5

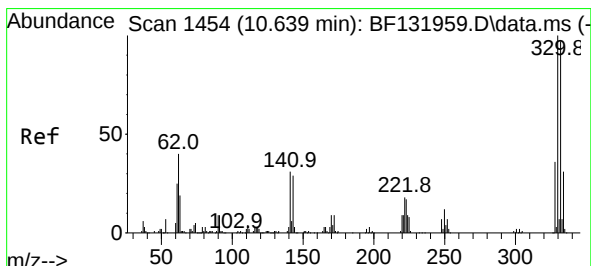
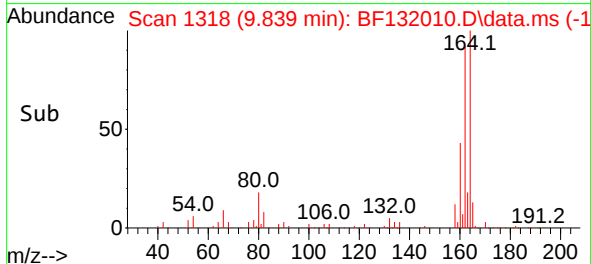
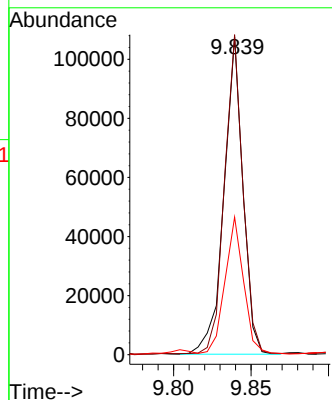
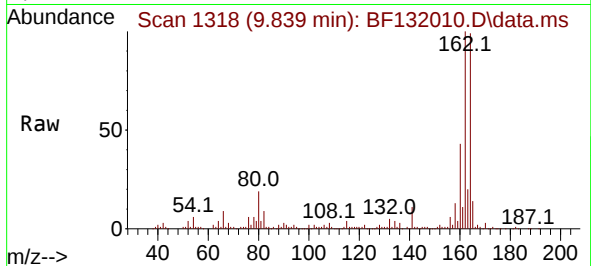




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

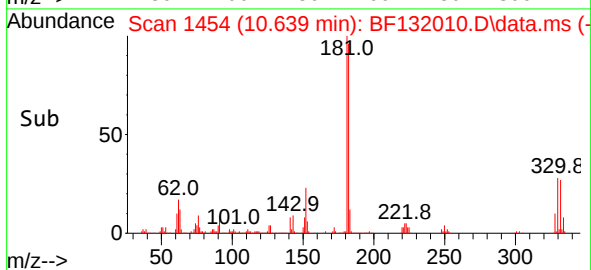
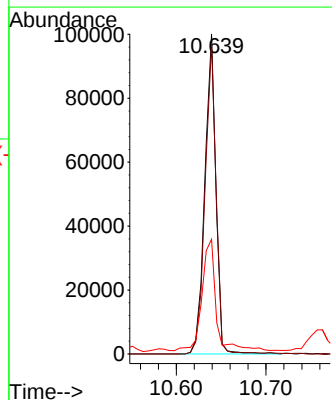
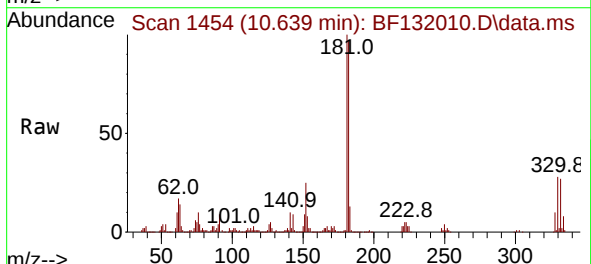
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

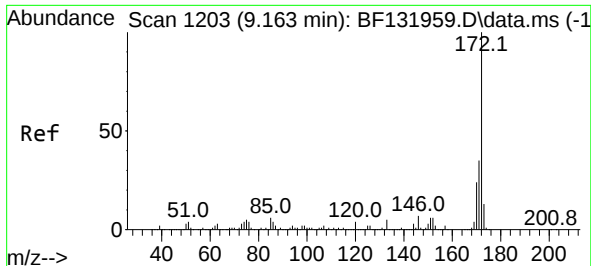
Tgt Ion:164 Resp: 91469
Ion Ratio Lower Upper
164 100
162 100.6 79.4 119.0
160 43.3 33.9 50.9



#42
2,4,6-Tribromophenol
Concen: 81.535 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.000 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

Tgt Ion:330 Resp: 85750
Ion Ratio Lower Upper
330 100
332 96.4 76.9 115.3
141 45.6 31.3 46.9





#45

2-Fluorobiphenyl

Concen: 55.692 ng

RT: 9.157 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132010.D

Acq: 10 Jan 2023 22:36

Instrument :

BNA_F

ClientSampleId :

B-3-(15-17)

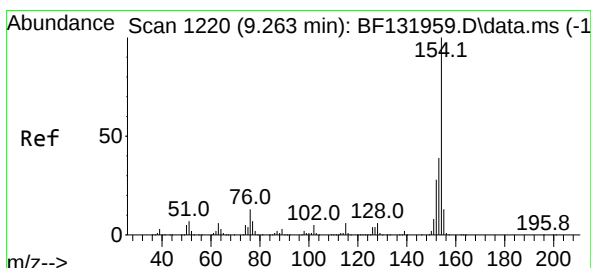
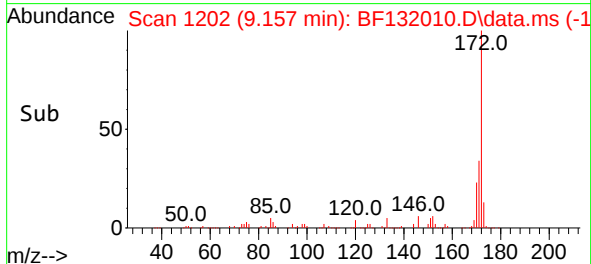
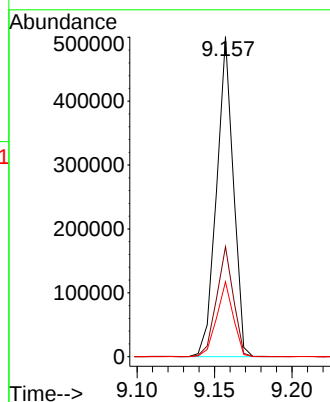
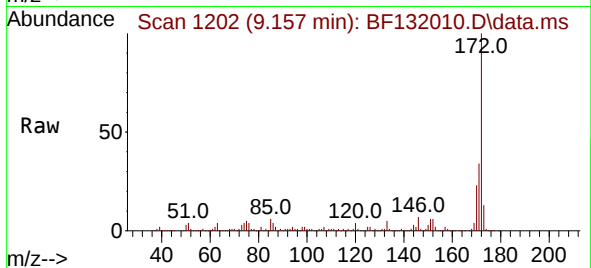
Tgt Ion:172 Resp: 377348

Ion Ratio Lower Upper

172 100

171 34.4 28.0 42.0

170 23.4 18.9 28.3



#46

1,1'-Biphenyl

Concen: 6.370 ng

RT: 9.257 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF132010.D

Acq: 10 Jan 2023 22:36

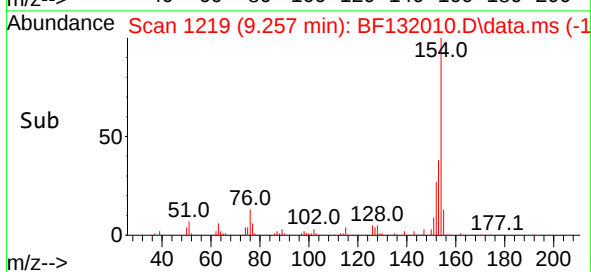
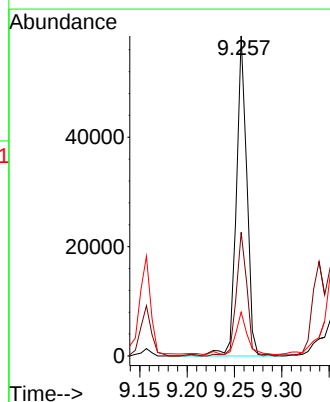
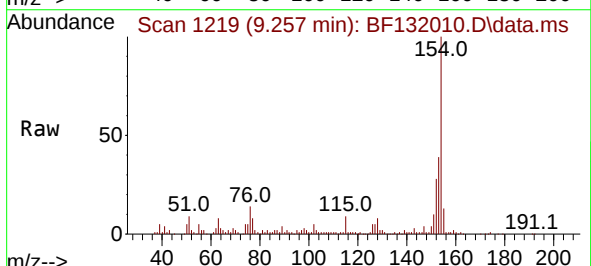
Tgt Ion:154 Resp: 44970

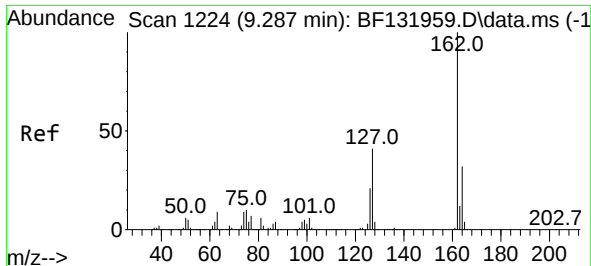
Ion Ratio Lower Upper

154 100

153 38.7 18.9 58.9

76 13.7 0.0 33.2

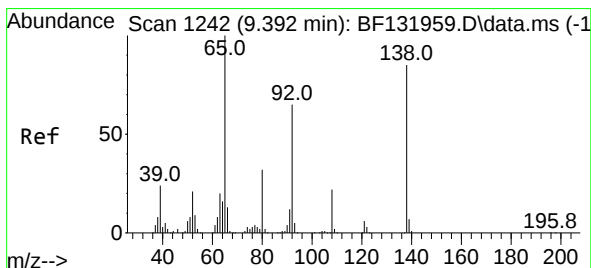
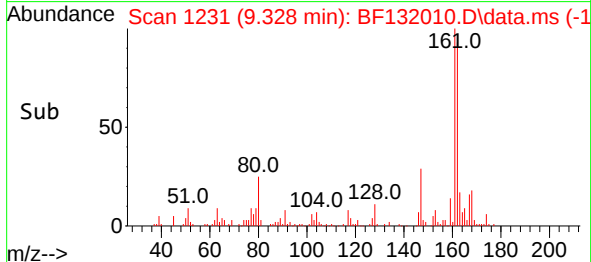
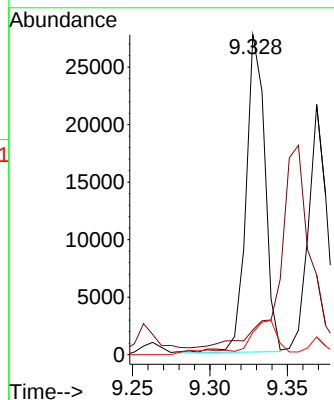
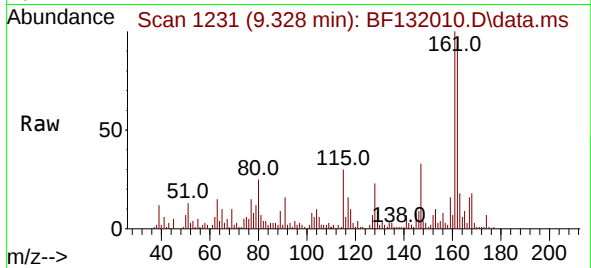




#47
2-Chloronaphthalene
Concen: 4.282 ng
RT: 9.328 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

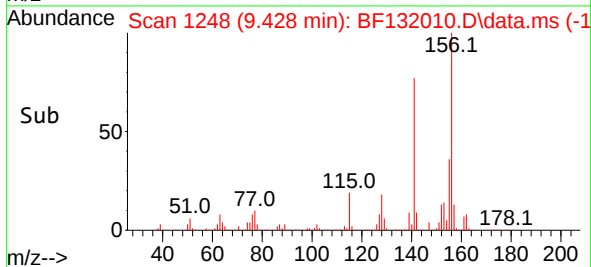
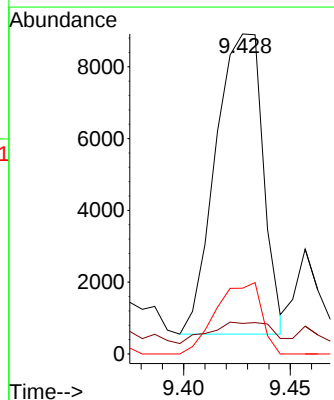
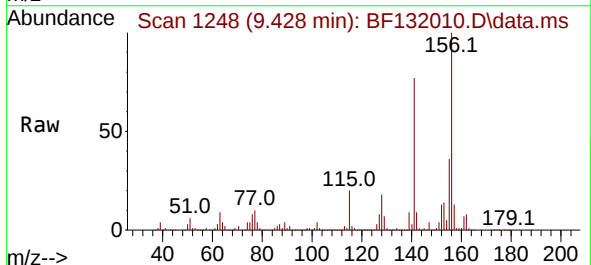
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

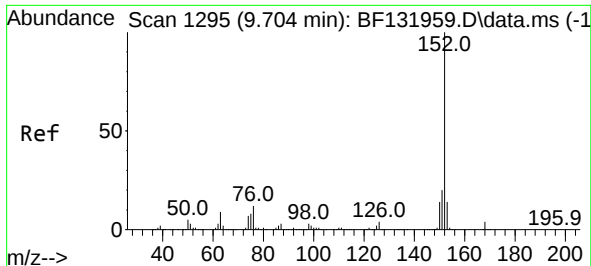
Tgt Ion:162 Resp: 23466
Ion Ratio Lower Upper
162 100
127 7.8 33.0 49.4#
164 6.9 25.8 38.8#



#48
2-Nitroaniline
Concen: 6.511 ng
RT: 9.428 min Scan# 1248
Delta R.T. 0.035 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

Tgt Ion: 65 Resp: 12959
Ion Ratio Lower Upper
65 100
92 9.6 52.2 78.2#
138 20.6 67.8 101.8#





#49

Acenaphthylene

Concen: 343.761 ng

RT: 9.716 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF132010.D

Acq: 10 Jan 2023 22:36

Instrument :

BNA_F

ClientSampleId :

B-3-(15-17)

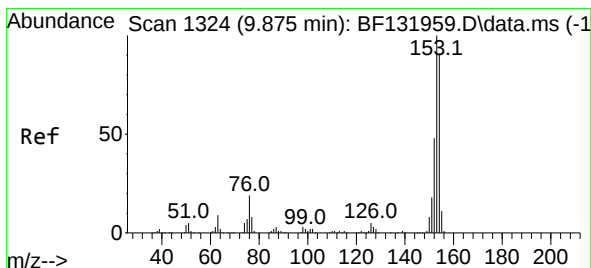
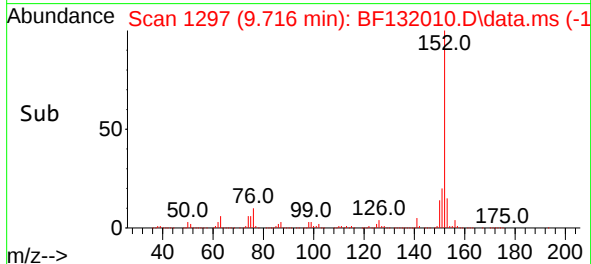
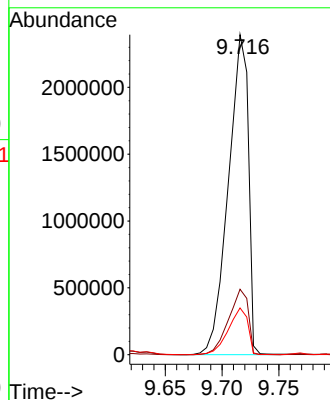
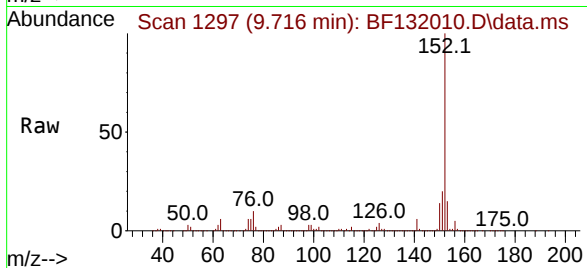
Tgt Ion:152 Resp: 2923028

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.2

153 14.6 10.8 16.2



#52

Acenaphthene

Concen: 149.708 ng

RT: 9.881 min Scan# 1325

Delta R.T. 0.006 min

Lab File: BF132010.D

Acq: 10 Jan 2023 22:36

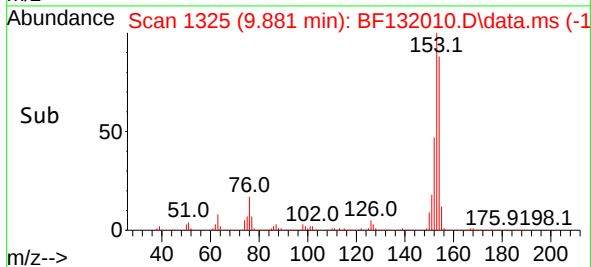
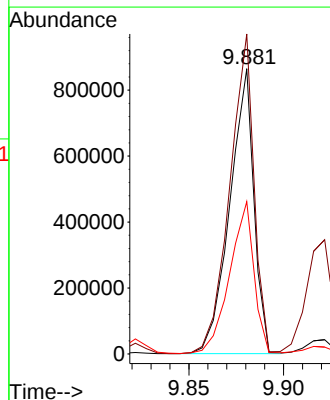
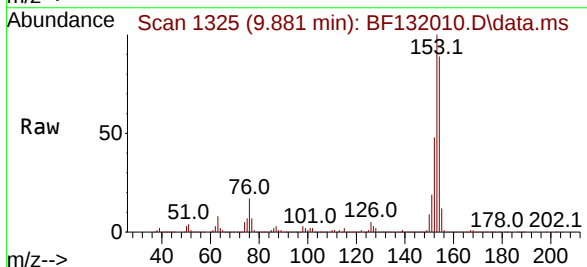
Tgt Ion:154 Resp: 764126

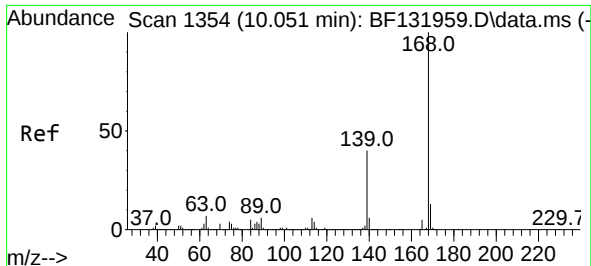
Ion Ratio Lower Upper

154 100

153 112.2 87.7 131.5

152 53.4 42.2 63.2

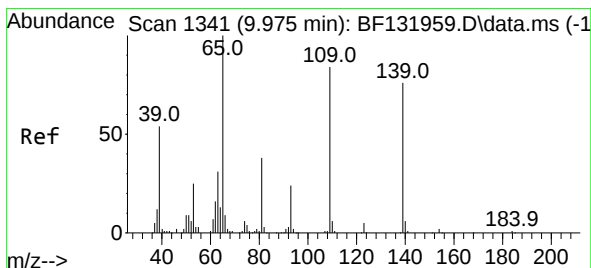
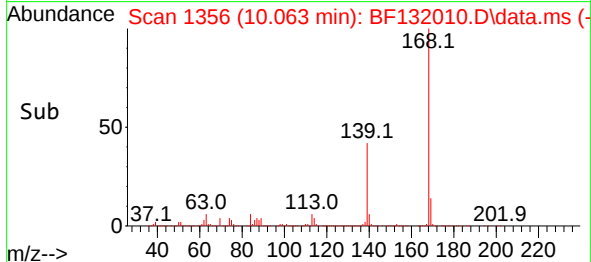
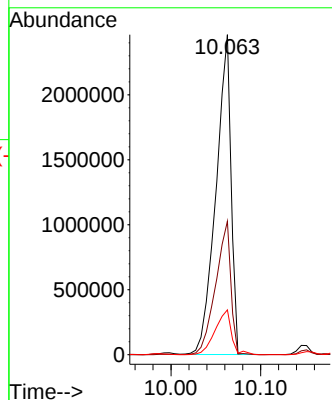
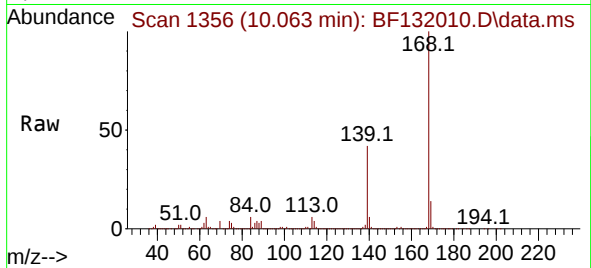




#55
Dibenzenofuran
Concen: 356.300 ng
RT: 10.063 min Scan# 1356
Delta R.T. 0.012 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

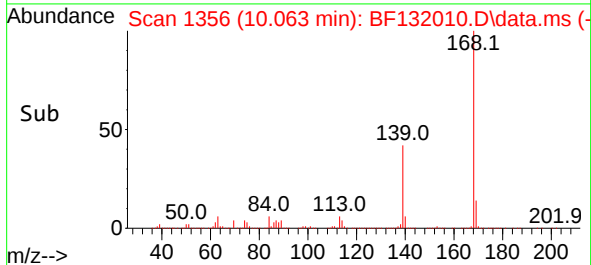
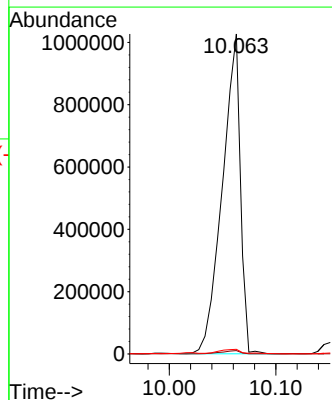
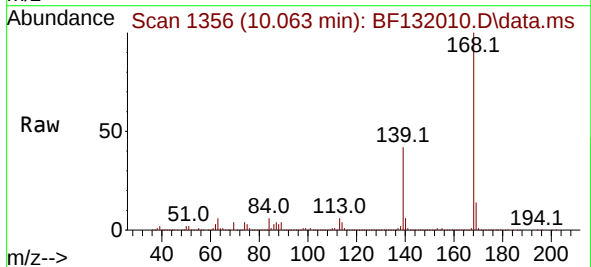
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

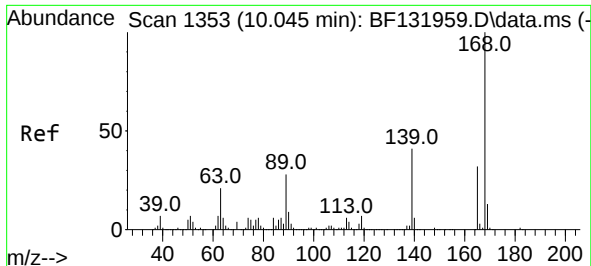
Tgt Ion:168 Resp: 2866639
Ion Ratio Lower Upper
168 100
139 41.7 32.4 48.6
169 14.0 10.7 16.1



#56
4-Nitrophenol
Concen: 1467.430 ng
RT: 10.063 min Scan# 1356
Delta R.T. 0.088 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

Tgt Ion:139 Resp: 1202520
Ion Ratio Lower Upper
139 100
109 1.0 90.5 130.5#
65 1.5 112.6 152.6#

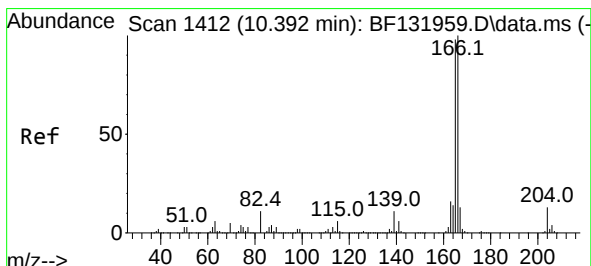
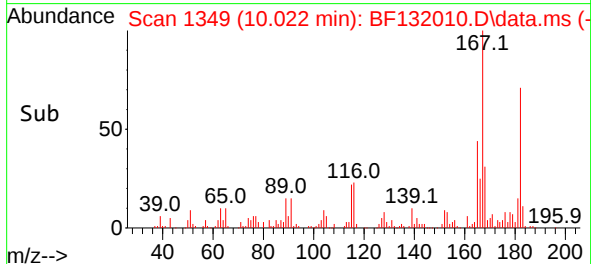
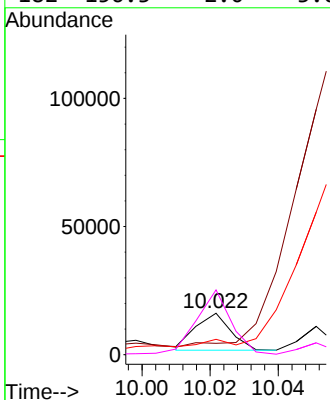
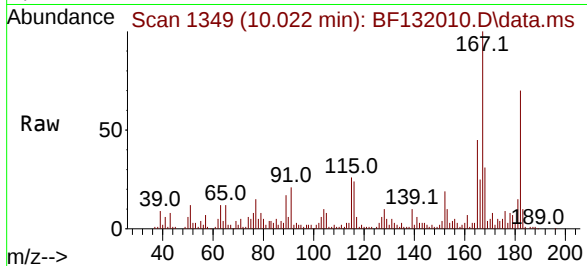




#57
2,4-Dinitrotoluene
Concen: 5.096 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

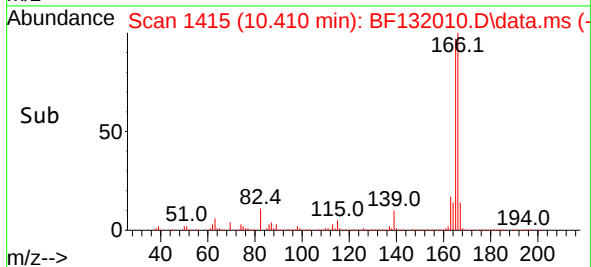
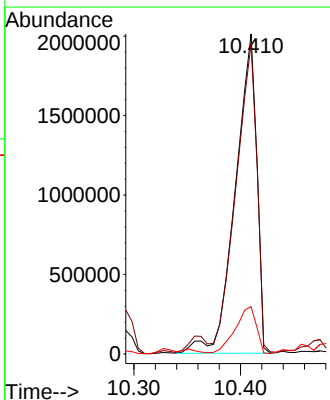
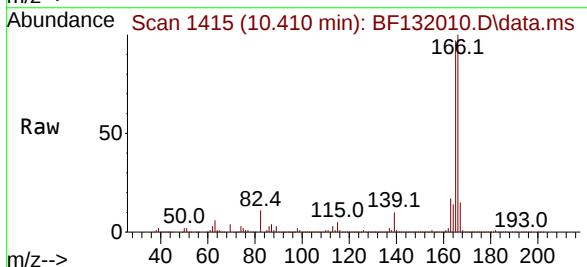
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

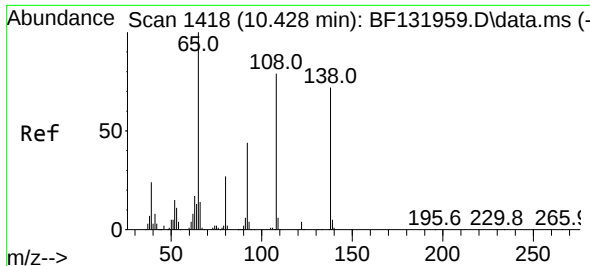
Tgt Ion:165 Resp: 10217
Ion Ratio Lower Upper
165 100
63 27.5 53.2 79.8#
89 37.1 71.2 106.8#
182 156.3 2.0 3.0#



#58
Fluorene
Concen: 436.101 ng
RT: 10.410 min Scan# 1415
Delta R.T. 0.018 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

Tgt Ion:166 Resp: 2802858
Ion Ratio Lower Upper
166 100
165 97.1 78.3 117.5
167 14.8 10.7 16.1

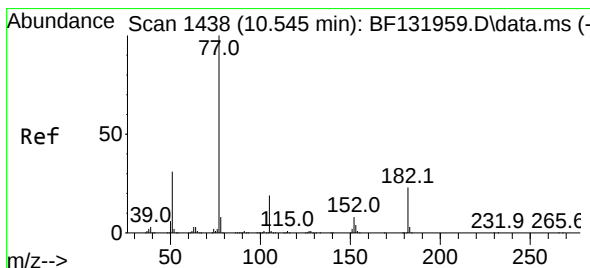
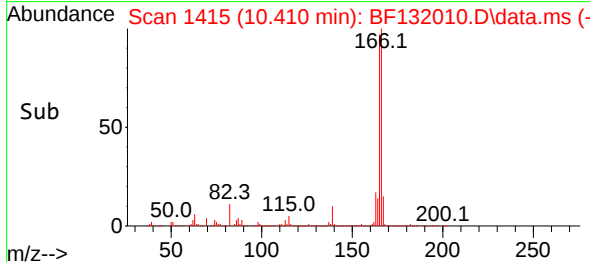
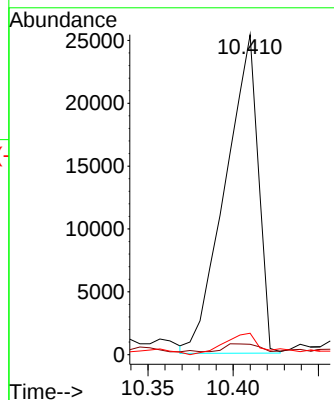
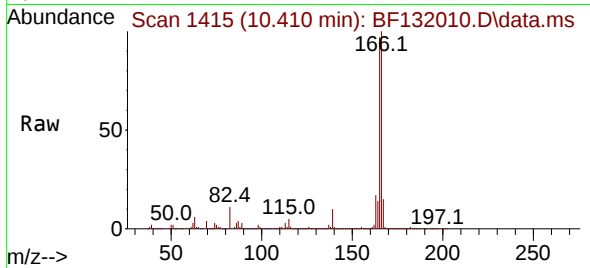




#62
4-Nitroaniline
Concen: 26.018 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.018 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

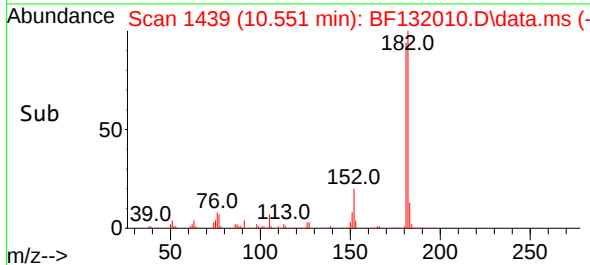
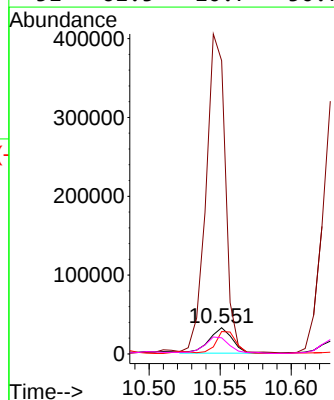
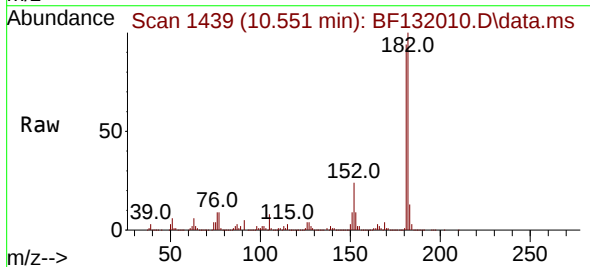
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

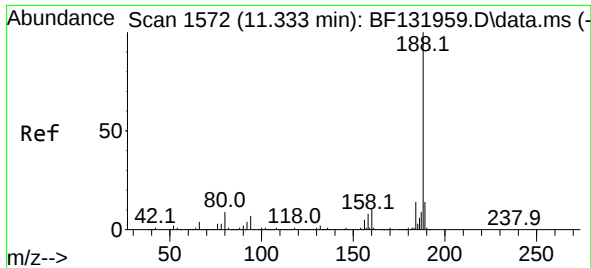
Tgt Ion:138 Resp: 34037
Ion Ratio Lower Upper
138 100
92 3.3 41.3 81.3#
108 6.7 89.8 129.8#



#63
Azobenzene
Concen: 4.900 ng
RT: 10.551 min Scan# 1439
Delta R.T. 0.006 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

Tgt Ion: 77 Resp: 36443
Ion Ratio Lower Upper
77 100
182 1116.7 2.9 42.9#
105 85.0 0.0 39.3#
51 61.5 10.7 50.7#

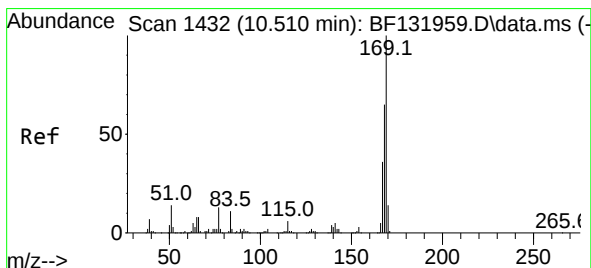
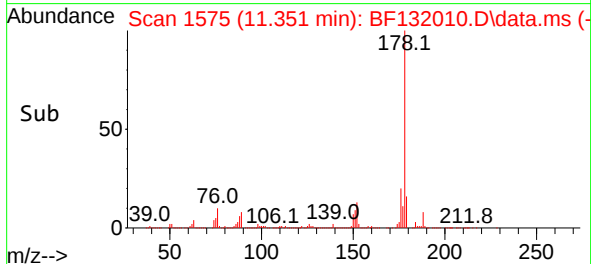
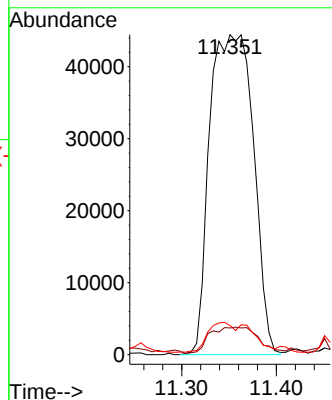
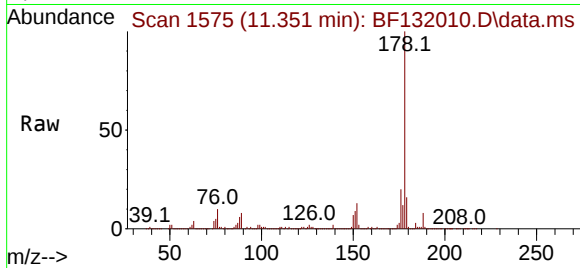




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11351
Delta R.T. 0.018 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

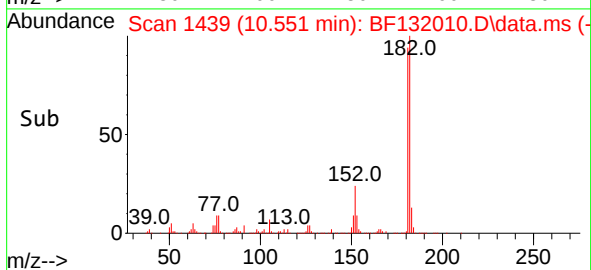
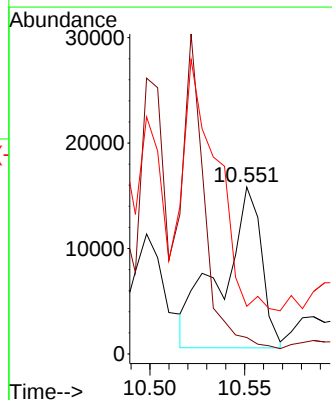
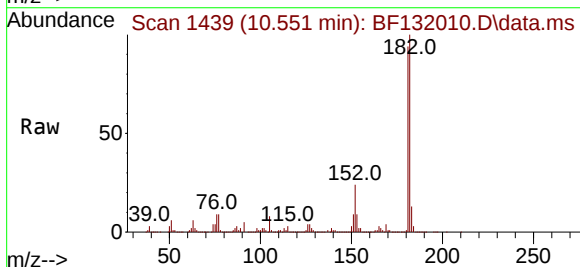
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

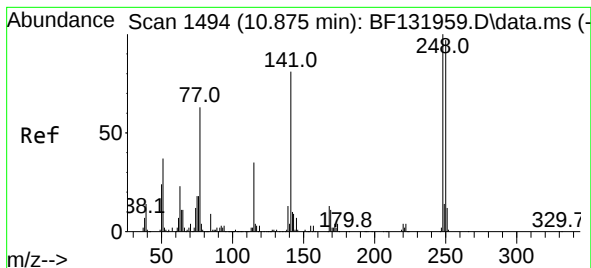
Tgt Ion:188 Resp: 142546
Ion Ratio Lower Upper
188 100
94 8.3 5.8 8.6
80 9.1 7.4 11.0



#66
n-Nitrosodiphenylamine
Concen: 5.028 ng
RT: 10.551 min Scan# 1439
Delta R.T. 0.041 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

Tgt Ion:169 Resp: 22486
Ion Ratio Lower Upper
169 100
168 9.9 52.5 78.7#
167 28.5 28.6 43.0#

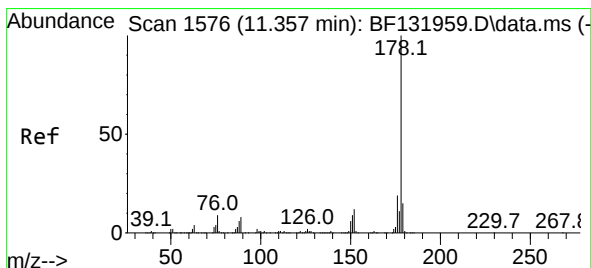
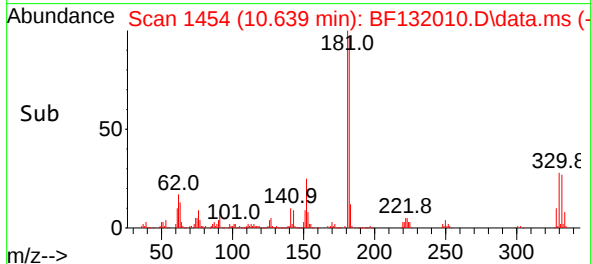
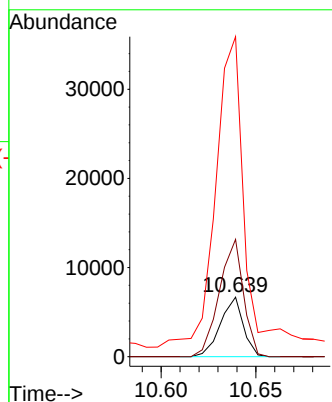
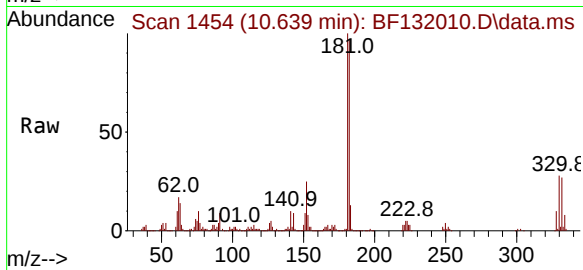




#67
4-Bromophenyl-phenylether
Concen: 3.155 ng
RT: 10.639 min Scan# 1494
Delta R.T. -0.235 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

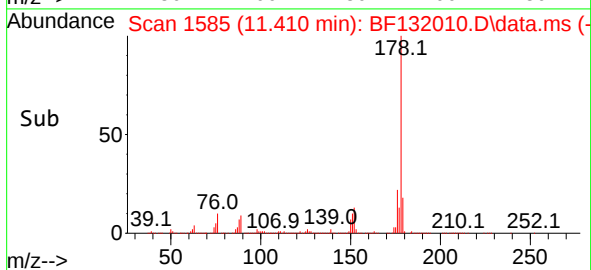
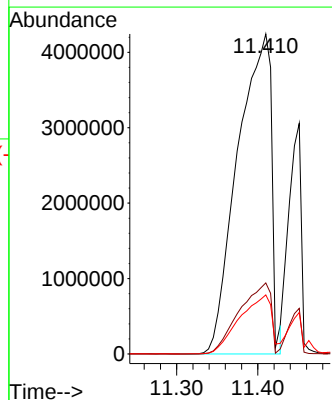
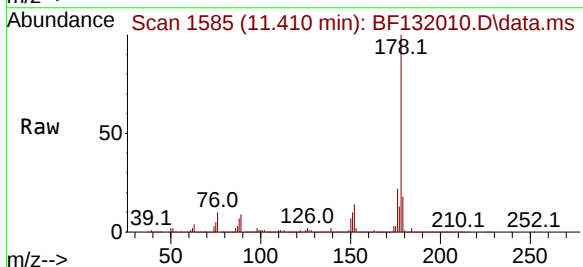
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

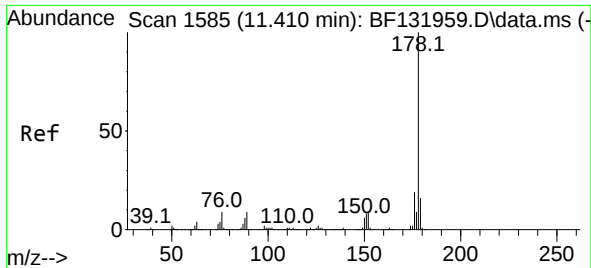
Tgt Ion:248 Resp: 5626
Ion Ratio Lower Upper
248 100
250 197.1 77.4 116.2#
141 537.8 65.0 97.6#



#71
Phenanthrene
Concen: 1645.449 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.053 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

Tgt Ion:178 Resp:12227280
Ion Ratio Lower Upper
178 100
176 22.2 15.5 23.3
179 18.5 12.4 18.6

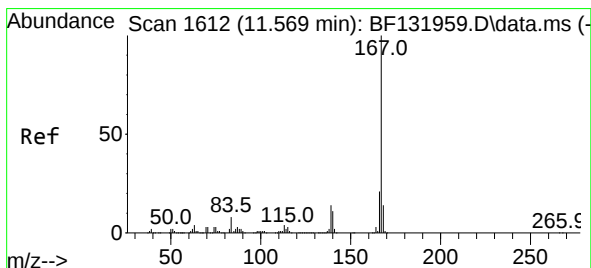
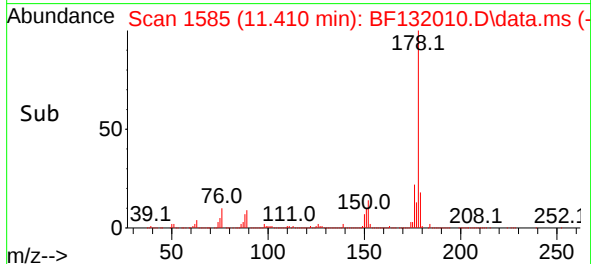
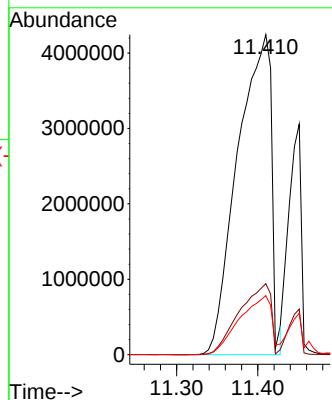
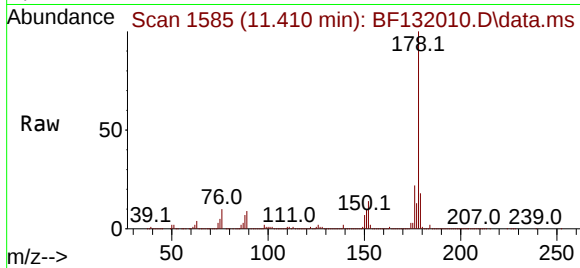




#72
 Anthracene
 Concen: 1598.361 ng
 RT: 11.410 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF132010.D
 Acq: 10 Jan 2023 22:36

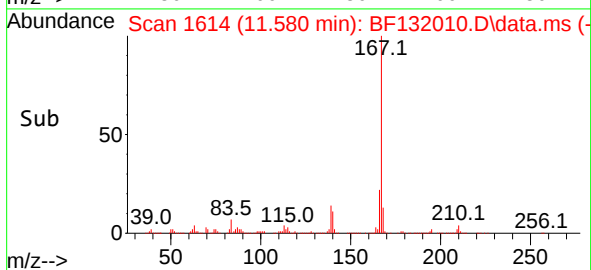
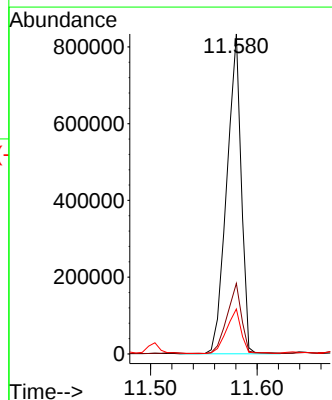
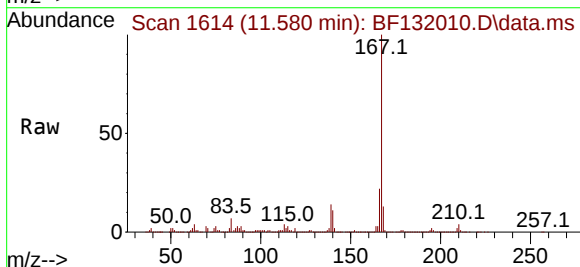
Instrument :
 BNA_F
 ClientSampleId :
 B-3-(15-17)

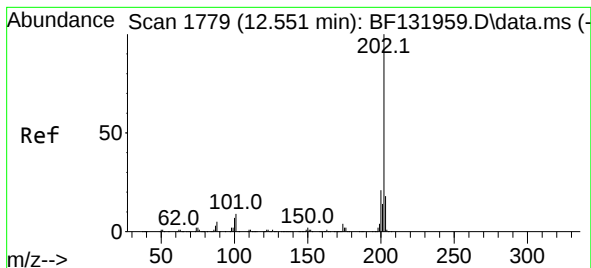
Tgt Ion:178 Resp:12227280
 Ion Ratio Lower Upper
 178 100
 176 22.2 15.3 22.9
 179 18.5 12.6 19.0



#73
 Carbazole
 Concen: 123.992 ng
 RT: 11.580 min Scan# 1614
 Delta R.T. 0.012 min
 Lab File: BF132010.D
 Acq: 10 Jan 2023 22:36

Tgt Ion:167 Resp: 785278
 Ion Ratio Lower Upper
 167 100
 166 22.1 16.8 25.2
 139 14.0 11.1 16.7





#75

Fluoranthene

Concen: 1168.936 ng

RT: 12.604 min Scan# 1

Delta R.T. 0.053 min

Lab File: BF132010.D

Acq: 10 Jan 2023 22:36

Instrument :

BNA_F

ClientSampleId :

B-3-(15-17)

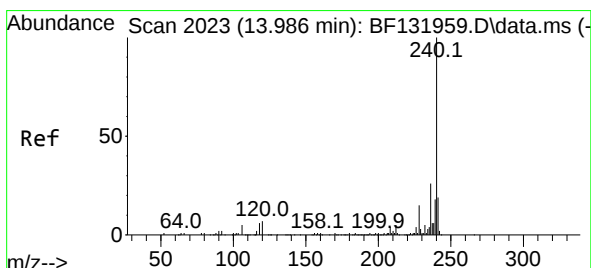
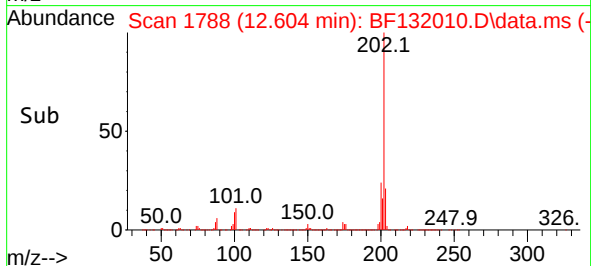
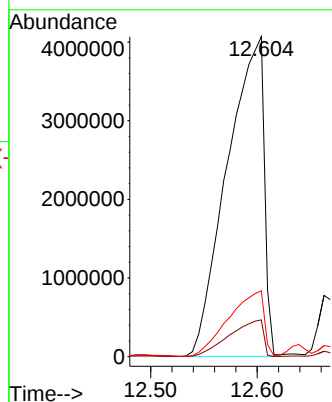
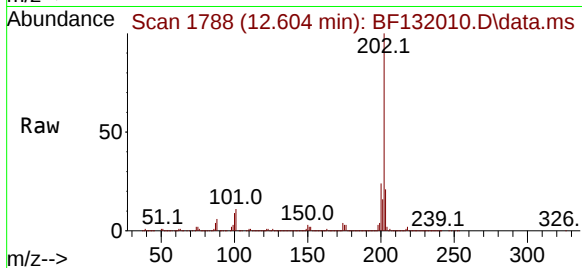
Tgt Ion:202 Resp: 9769031

Ion Ratio Lower Upper

202 100

101 11.5 0.0 28.8

203 20.6 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 2028

Delta R.T. 0.029 min

Lab File: BF132010.D

Acq: 10 Jan 2023 22:36

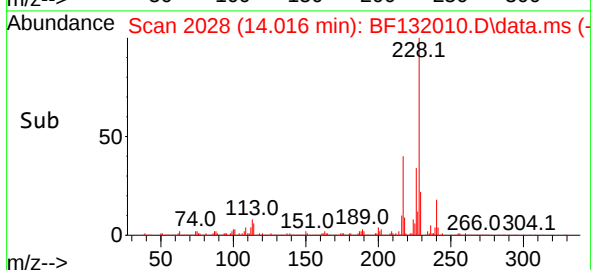
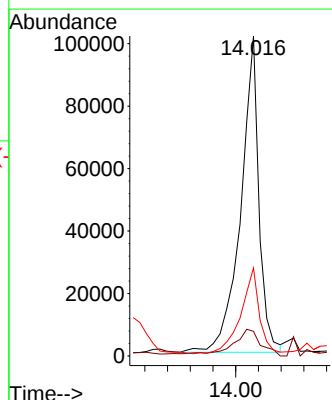
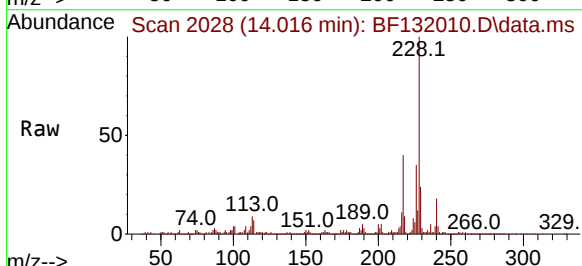
Tgt Ion:240 Resp: 112512

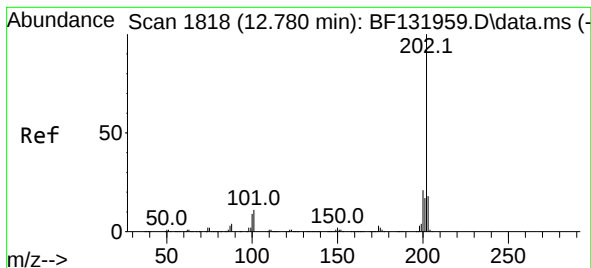
Ion Ratio Lower Upper

240 100

120 7.7 5.4 8.0

236 27.5 21.1 31.7





#78

Pyrene

Concen: 907.700 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.059 min

Lab File: BF132010.D

Acq: 10 Jan 2023 22:36

Instrument :

BNA_F

ClientSampleId :

B-3-(15-17)

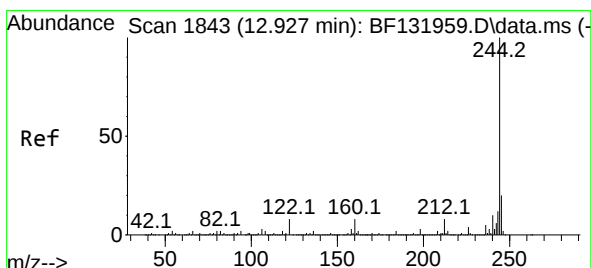
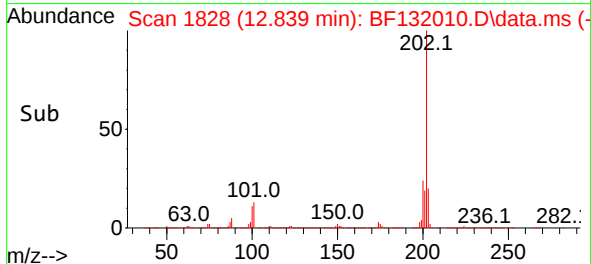
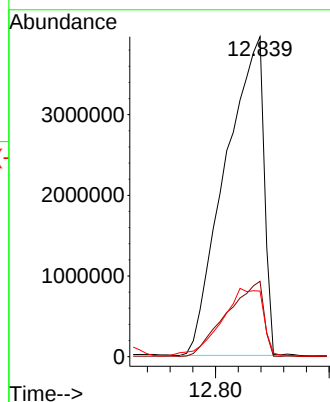
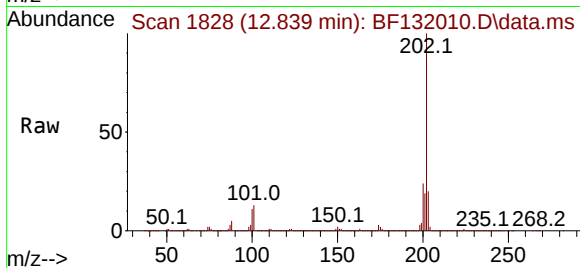
Tgt Ion:202 Resp: 9314614

Ion Ratio Lower Upper

202 100

200 23.6 17.0 25.6

203 20.5 14.1 21.1



#79

Terphenyl-d14

Concen: 43.152 ng

RT: 12.927 min Scan# 1843

Delta R.T. -0.000 min

Lab File: BF132010.D

Acq: 10 Jan 2023 22:36

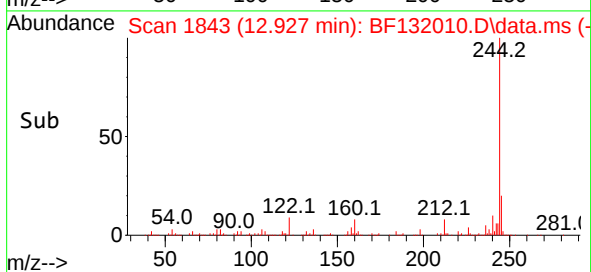
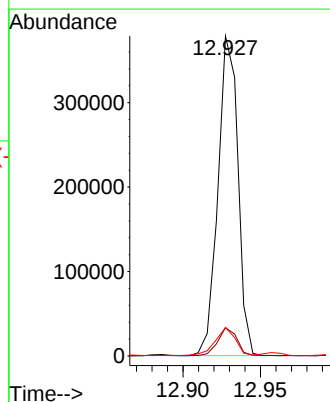
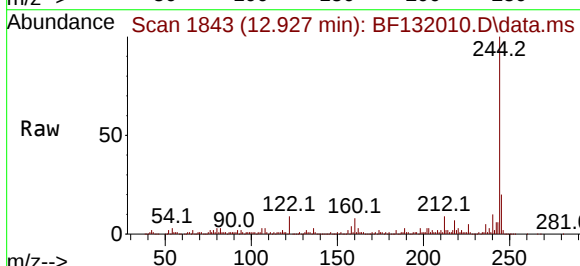
Tgt Ion:244 Resp: 338743

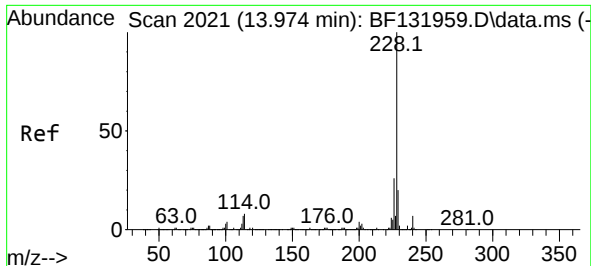
Ion Ratio Lower Upper

244 100

212 8.9 6.3 9.5

122 8.9 6.8 10.2

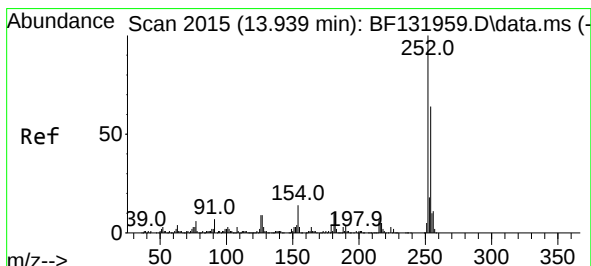
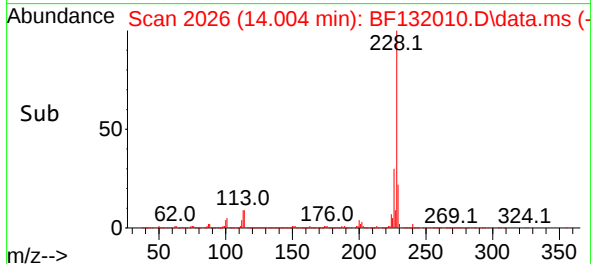
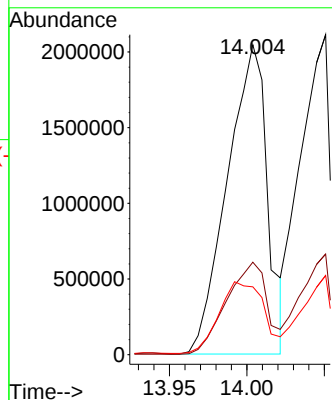
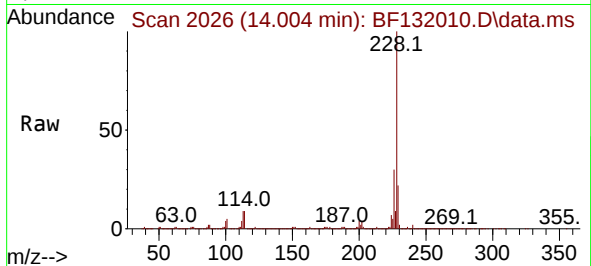




#81
Benzo(a)anthracene
Concen: 449.792 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.029 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

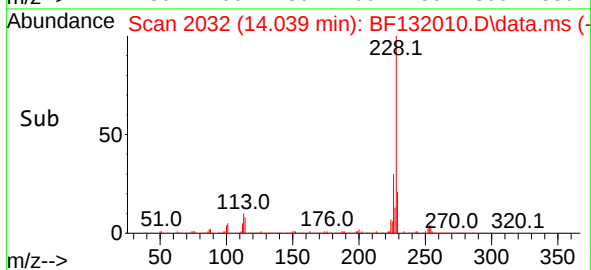
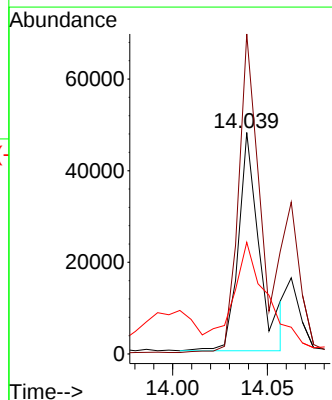
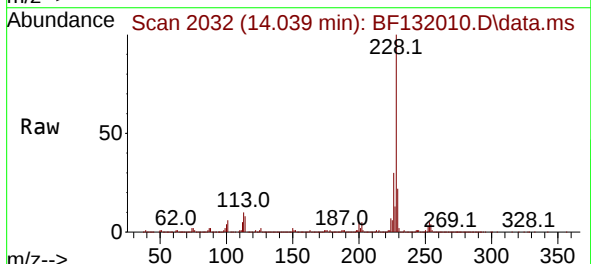
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

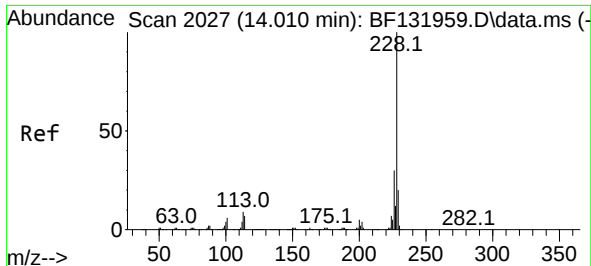
Tgt Ion:228 Resp: 3681810
Ion Ratio Lower Upper
228 100
226 29.8 21.0 31.4
229 21.9 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 14.539 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.100 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

Tgt Ion:252 Resp: 37144
Ion Ratio Lower Upper
252 100
254 144.5 51.5 77.3#
126 50.4 6.9 10.3#

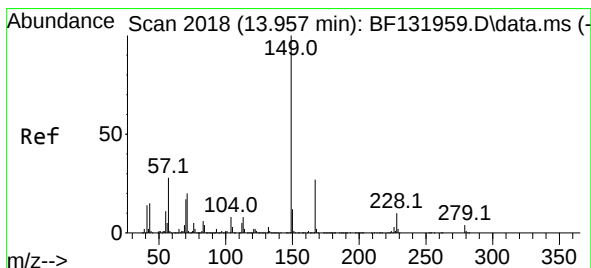
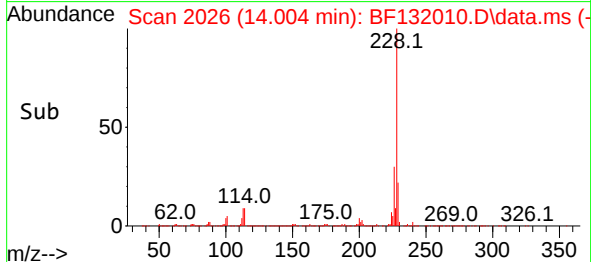
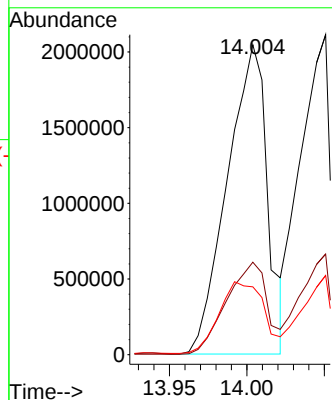
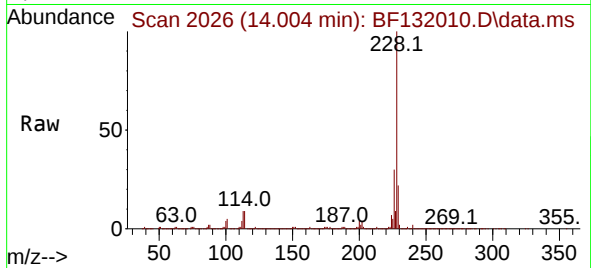




#83
Chrysene
Concen: 481.285 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

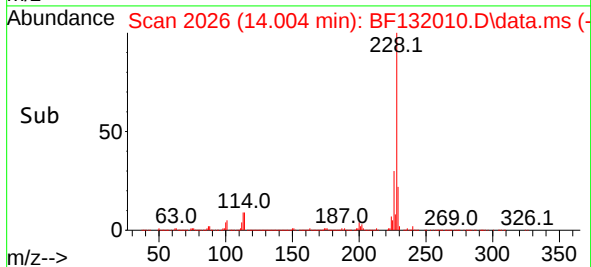
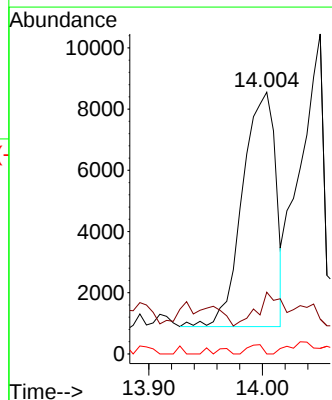
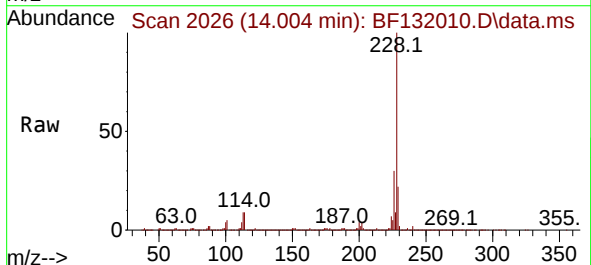
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

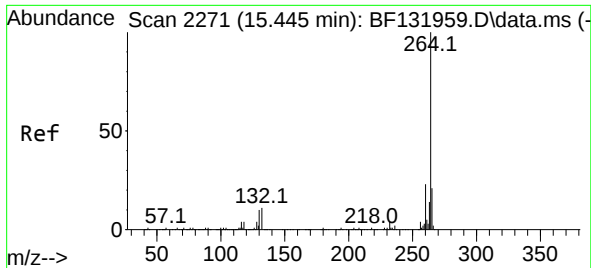
Tgt Ion:228 Resp: 3681810
Ion Ratio Lower Upper
228 100
226 29.8 24.0 36.0
229 21.9 16.2 24.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.772 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.047 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

Tgt Ion:149 Resp: 15554
Ion Ratio Lower Upper
149 100
167 23.6 21.3 31.9
279 0.0 3.2 4.8#

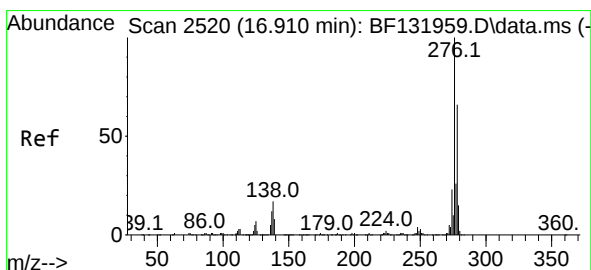
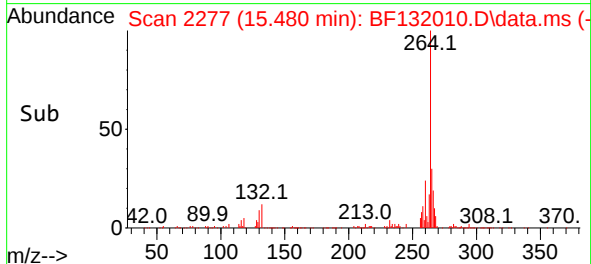
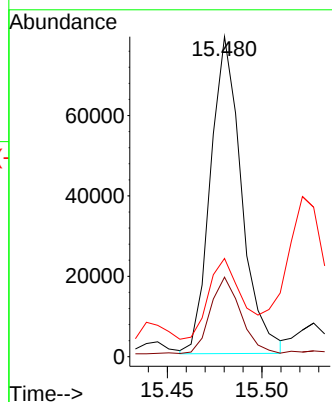
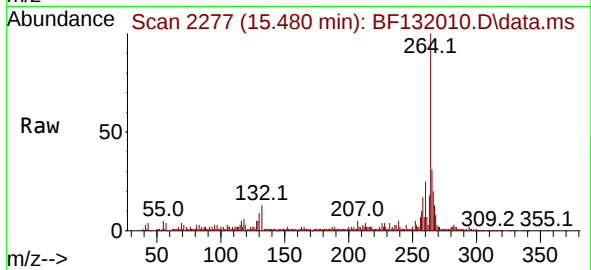




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 21
Delta R.T. 0.035 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

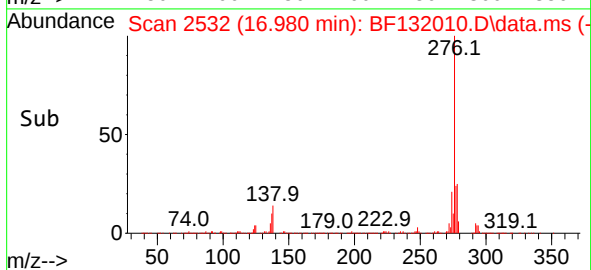
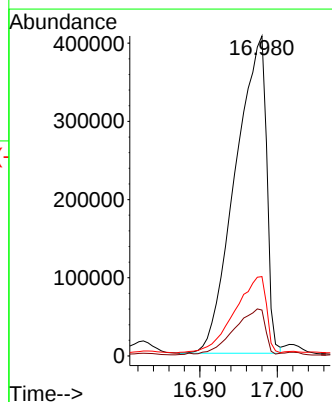
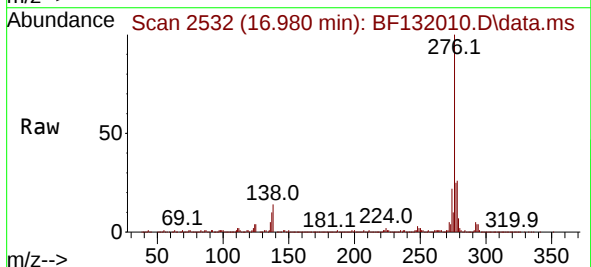
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

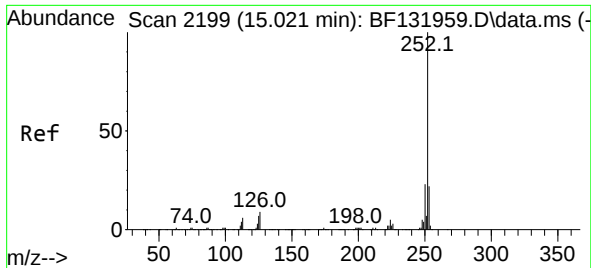
Tgt Ion:264 Resp: 90350
Ion Ratio Lower Upper
264 100
260 24.8 18.3 27.5
265 30.7 16.9 25.3#



#87
Indeno(1,2,3-cd)pyrene
Concen: 204.272 ng
RT: 16.980 min Scan# 2532
Delta R.T. 0.070 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

Tgt Ion:276 Resp: 1131903
Ion Ratio Lower Upper
276 100
138 14.6 14.2 21.2
277 24.7 20.2 30.4

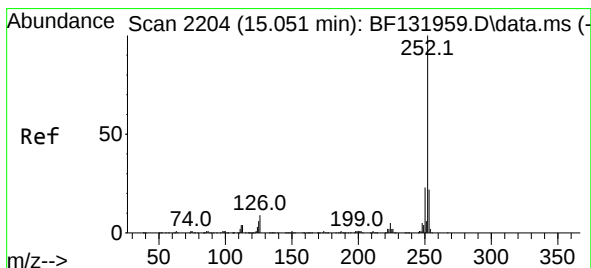
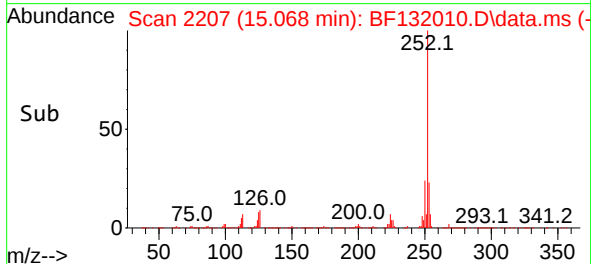
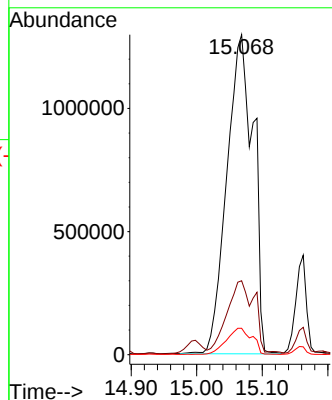
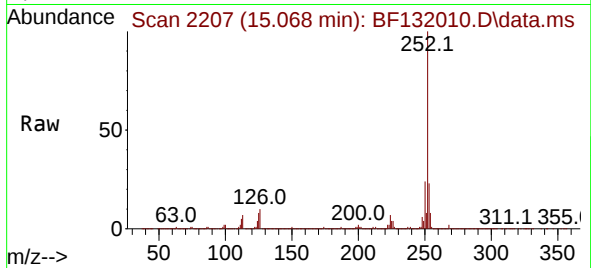




#88
Benzo(b)fluoranthene
Concen: 587.115 ng
RT: 15.068 min Scan# 2199
Delta R.T. 0.047 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

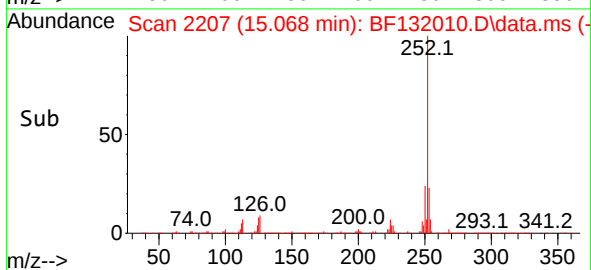
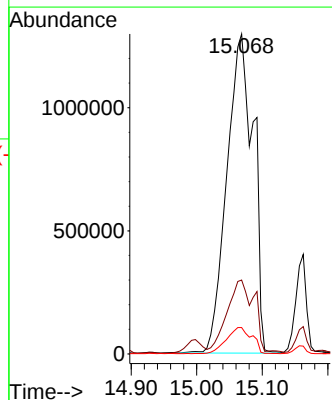
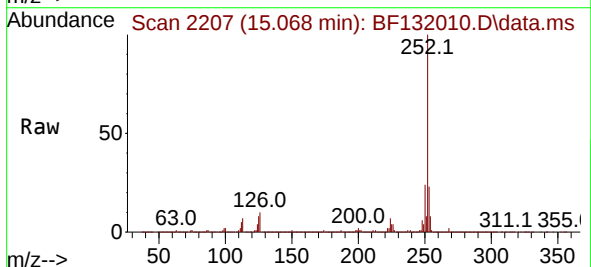
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

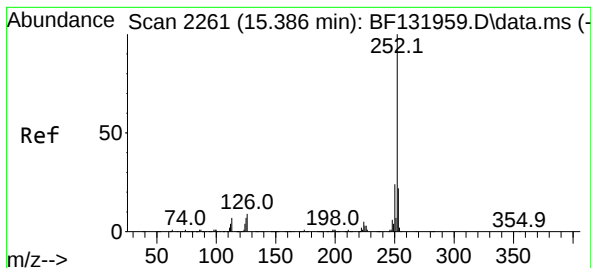
Tgt Ion:252 Resp: 3638304
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 8.2 5.8 8.6



#89
Benzo(k)fluoranthene
Concen: 588.287 ng
RT: 15.068 min Scan# 2207
Delta R.T. 0.018 min
Lab File: BF132010.D
Acq: 10 Jan 2023 22:36

Tgt Ion:252 Resp: 3638304
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 8.2 5.2 7.8#





#90

Benzo(a)pyrene

Concen: 370.003 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF132010.D

Acq: 10 Jan 2023 22:36

Instrument :

BNA_F

ClientSampleId :

B-3-(15-17)

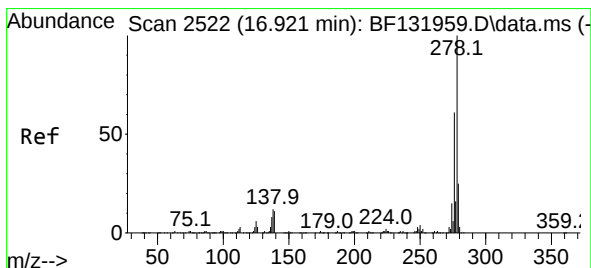
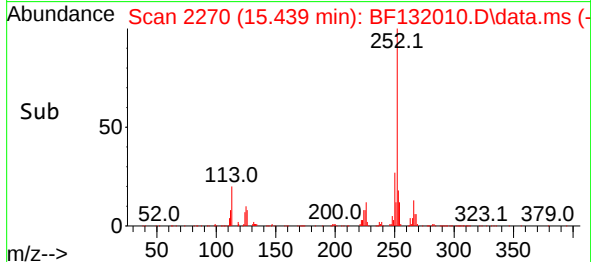
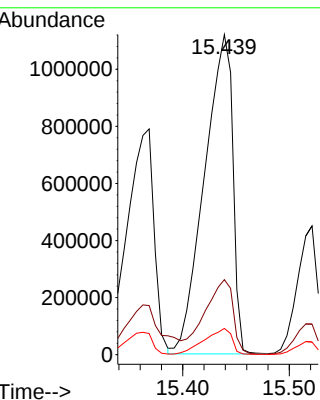
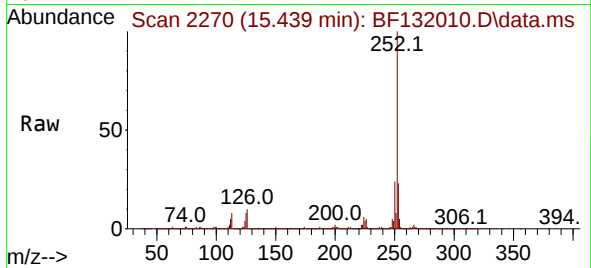
Tgt Ion:252 Resp: 2065859

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

125 8.2 5.7 8.5



#91

Dibenzo(a,h)anthracene

Concen: 17.113 ng

RT: 17.021 min Scan# 2539

Delta R.T. 0.100 min

Lab File: BF132010.D

Acq: 10 Jan 2023 22:36

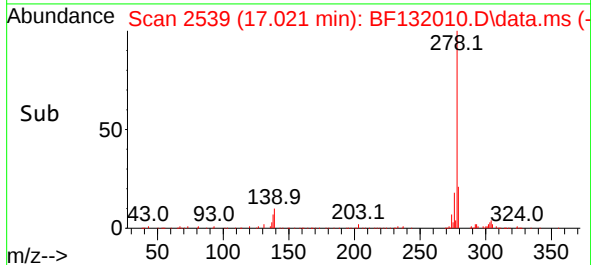
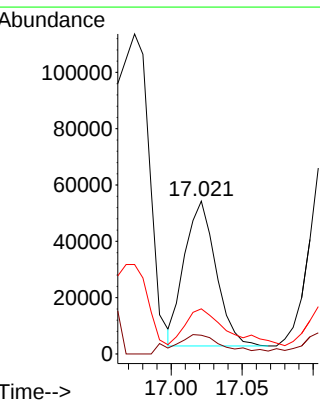
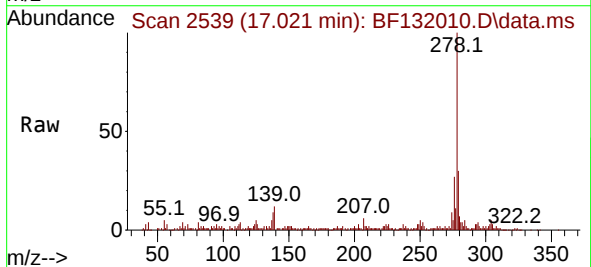
Tgt Ion:278 Resp: 79490

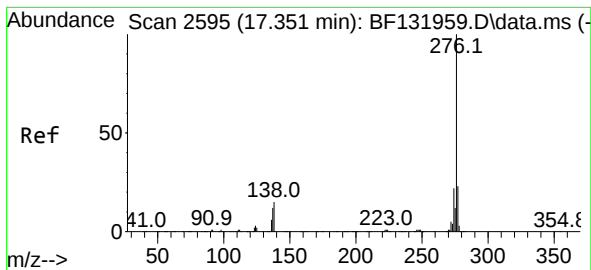
Ion Ratio Lower Upper

278 100

139 12.2 8.8 13.2

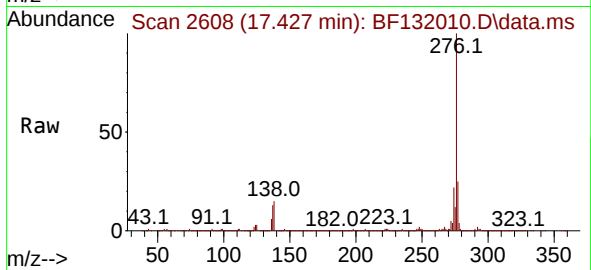
279 29.5 19.8 29.6





#92
 Benzo(g,h,i)perylene
 Concen: 211.807 ng
 RT: 17.427 min Scan# 20
 Delta R.T. 0.076 min
 Lab File: BF132010.D
 Acq: 10 Jan 2023 22:36

Instrument :
 BNA_F
 ClientSampleId :
 B-3-(15-17)



Tgt Ion:276 Resp: 1118043
 Ion Ratio Lower Upper
 276 100
 277 24.6 18.2 27.2
 138 15.0 11.7 17.5

