

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
 Data File : BF136303.D
 Acq On : 30 Nov 2023 01:38
 Operator : CG\JU
 Sample : 05312-03 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-2(200FT)(5-10)

Quant Time: Nov 30 01:59:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	99115	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	340795	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	148312	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	285767	20.000	ng	0.00
76) Chrysene-d12	13.986	240	229797	20.000	ng	0.00
86) Perylene-d12	15.468	264	168425	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	347929	48.859	ng	0.00
7) Phenol-d6	6.434	99	396355	44.514	ng	-0.01
23) Nitrobenzene-d5	7.363	82	225430	34.955	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	88451	48.781	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	438742	37.786	ng	-0.01
79) Terphenyl-d14	12.927	244	568133	28.518	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	29127	5.470	ng	# 76
25) Isophorone	7.363	82	225425	19.385	ng	# 68
49) Acenaphthylene	9.698	152	42006	2.898	ng	94
50) Dimethylphthalate	9.839	163	30349	2.707	ng	# 1
51) 2,6-Dinitrotoluene	9.839	165	18330	8.004	ng	# 25
56) 4-Nitrophenol	10.045	139	10951	6.345	ng	# 5
57) 2,4-Dinitrotoluene	9.839	165	18330	5.992	ng	# 28
58) Fluorene	10.386	166	37433	3.501	ng	# 99
71) Phenanthrene	11.357	178	396045	24.658	ng	98
72) Anthracene	11.404	178	181425	11.264	ng	97
73) Carbazole	11.563	167	31564	2.304	ng	99
75) Fluoranthene	12.551	202	591447	36.274	ng	95
78) Pyrene	12.780	202	530675	21.086	ng	97
81) Benzo(a)anthracene	13.974	228	229639	13.454	ng	# 75
83) Chrysene	14.010	228	183217	11.117	ng	# 95
85) Di-n-octyl phthalate	14.586	149	372	5.184	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.968	276	74008	8.230	ng	98
88) Benzo(b)fluoranthene	15.033	252	252530	21.371	ng	96
89) Benzo(k)fluoranthene	15.033	252	252530	22.501	ng	95
90) Benzo(a)pyrene	15.404	252	121487	12.577	ng	94
91) Dibenzo(a,h)anthracene	16.980	278	14639	4.080	ng	# 89
92) Benzo(g,h,i)perylene	17.421	276	73380	8.851	ng	97

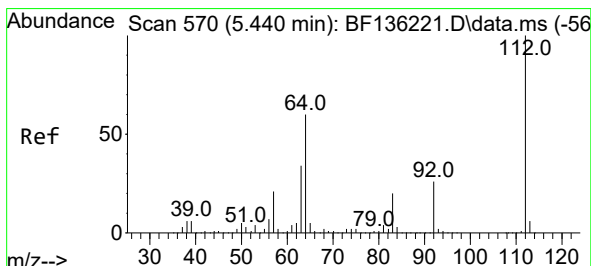
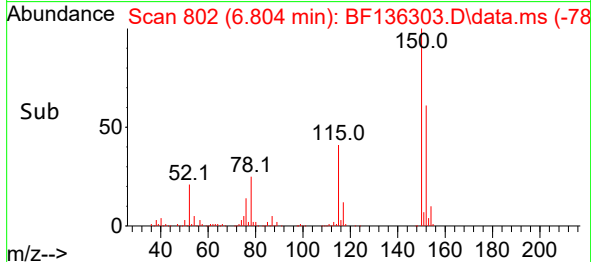
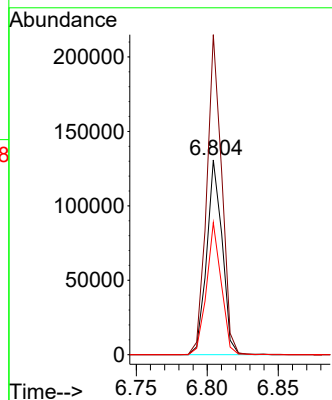
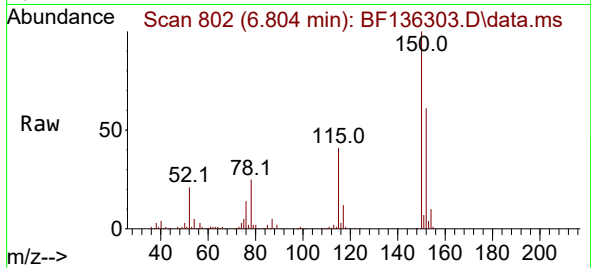
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136303.D
Acq: 30 Nov 2023 01:38

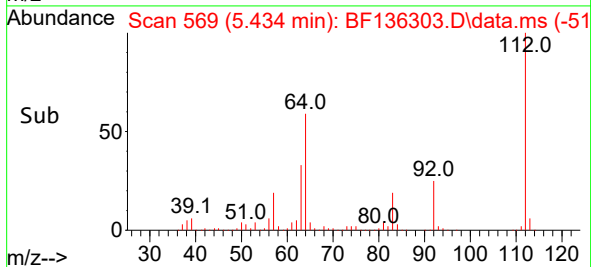
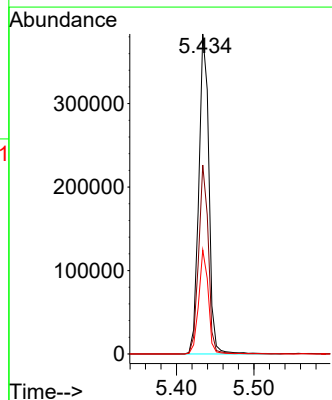
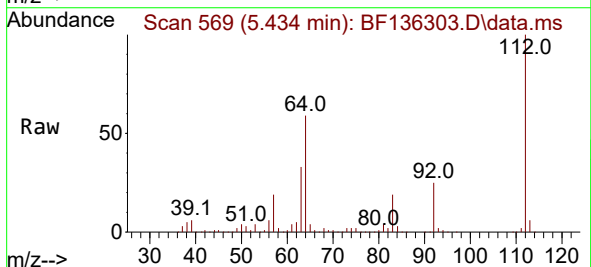
Instrument :
BNA_F
ClientSampleId :
P-2(200FT)(5-10)

Tgt Ion:152 Resp: 99115
Ion Ratio Lower Upper
152 100
150 164.4 137.8 206.8
115 67.8 52.7 79.1



#5
2-Fluorophenol
Concen: 48.859 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF136303.D
Acq: 30 Nov 2023 01:38

Tgt Ion:112 Resp: 347929
Ion Ratio Lower Upper
112 100
64 59.0 48.2 72.4
63 32.5 27.0 40.6

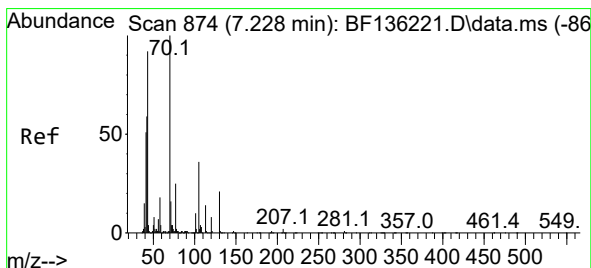
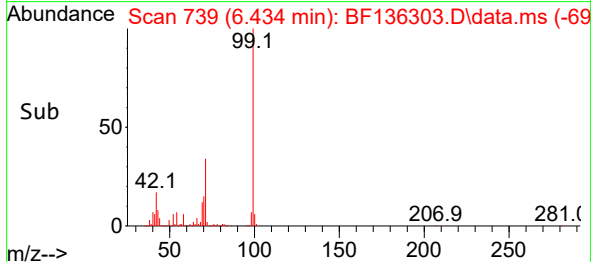
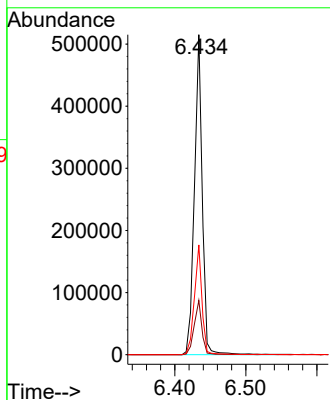
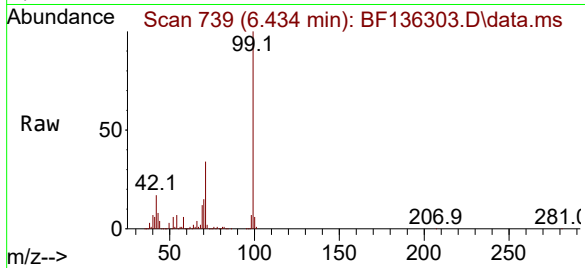




#7
Phenol-d6
Concen: 44.514 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136303.D
Acq: 30 Nov 2023 01:38

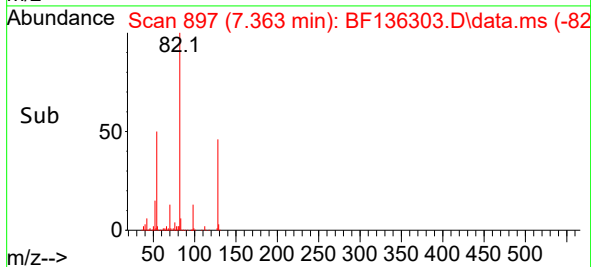
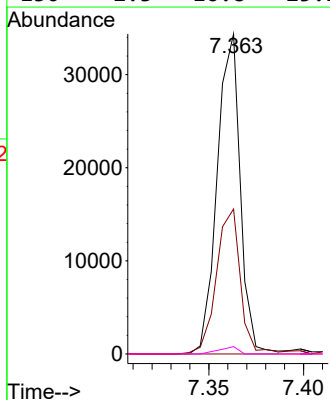
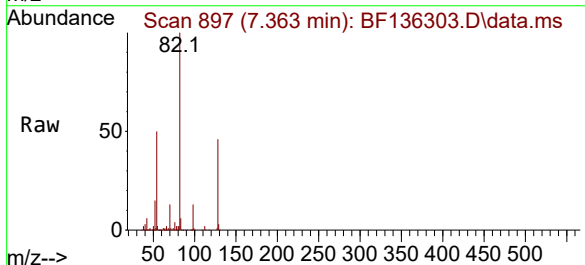
Instrument :
BNA_F
ClientSampleId :
P-2(200FT)(5-10)

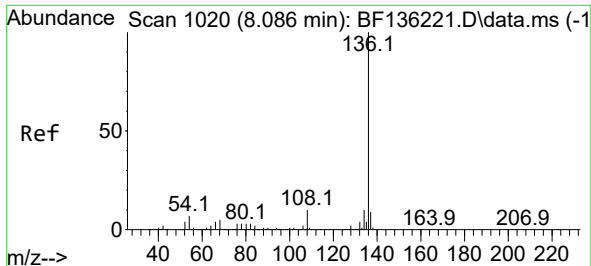
Tgt Ion: 99 Resp: 396355
Ion Ratio Lower Upper
99 100
42 17.0 15.0 22.6
71 34.3 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 5.470 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.135 min
Lab File: BF136303.D
Acq: 30 Nov 2023 01:38

Tgt Ion: 70 Resp: 29127
Ion Ratio Lower Upper
70 100
42 45.3 47.0 70.4#
101 0.0 7.8 11.8#
130 2.3 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136303.D

Acq: 30 Nov 2023 01:38

Instrument :

BNA_F

ClientSampleId :

P-2(200FT)(5-10)

Tgt Ion:136 Resp: 340795

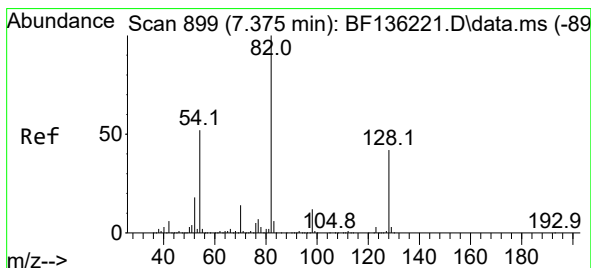
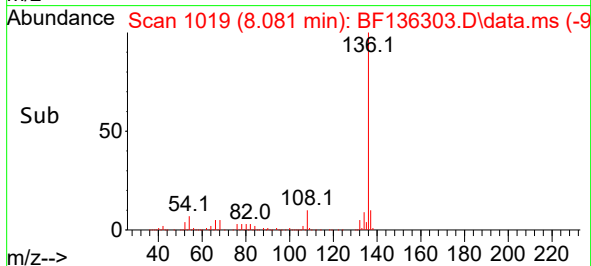
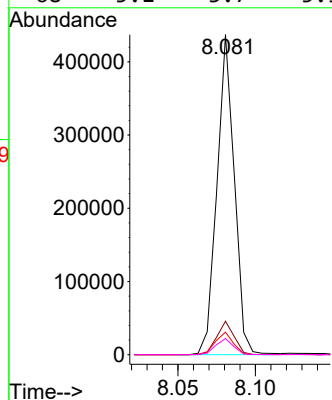
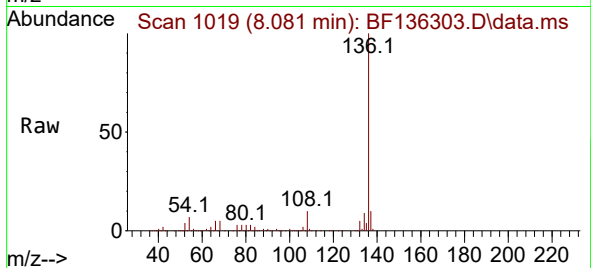
Ion Ratio Lower Upper

136 100

137 10.5 7.4 11.2

54 7.1 5.5 8.3

68 5.1 3.7 5.5



#23

Nitrobenzene-d5

Concen: 34.955 ng

RT: 7.363 min Scan# 897

Delta R.T. -0.012 min

Lab File: BF136303.D

Acq: 30 Nov 2023 01:38

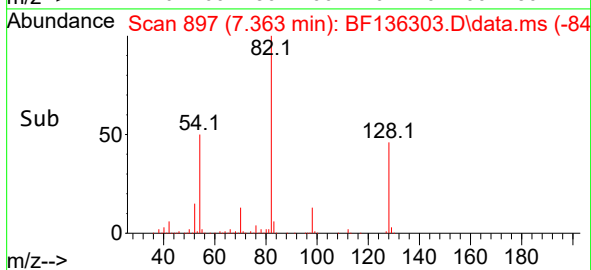
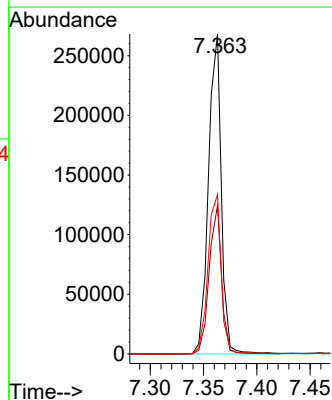
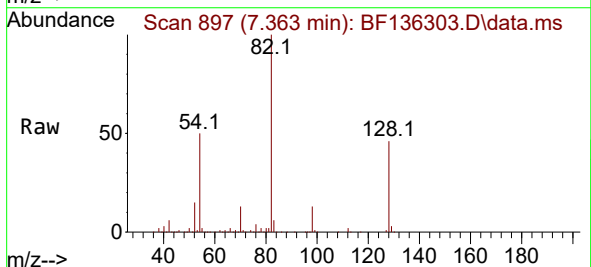
Tgt Ion: 82 Resp: 225430

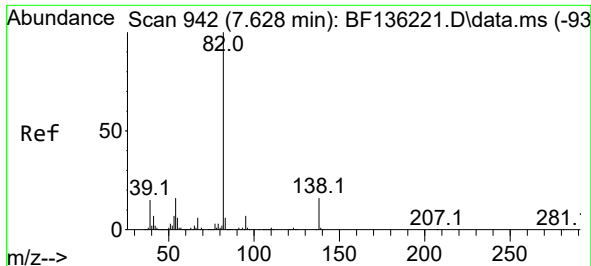
Ion Ratio Lower Upper

82 100

128 46.4 33.4 50.2

54 49.8 41.7 62.5

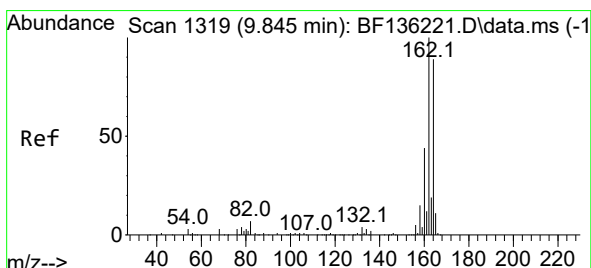
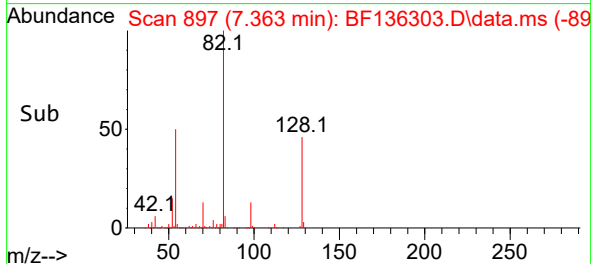
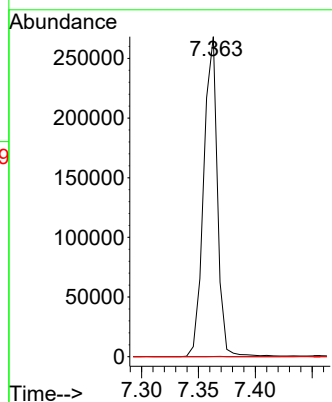
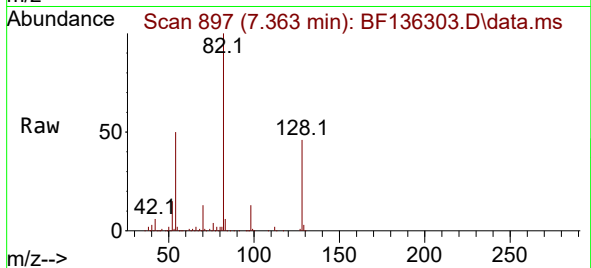




#25
Isophorone
Concen: 19.385 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.265 min
Lab File: BF136303.D
Acq: 30 Nov 2023 01:38

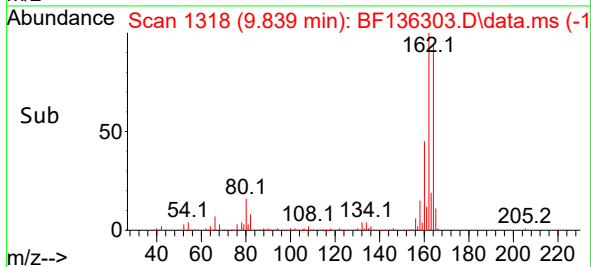
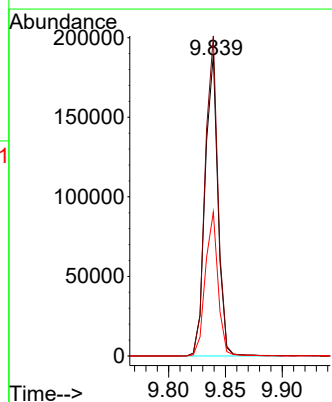
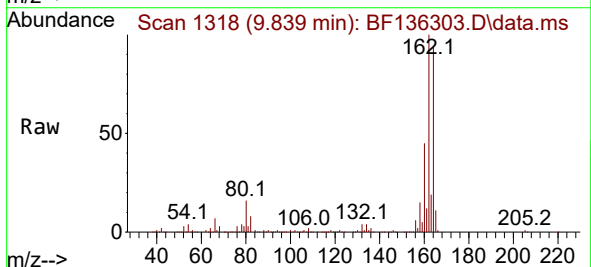
Instrument :
BNA_F
ClientSampleId :
P-2(200FT)(5-10)

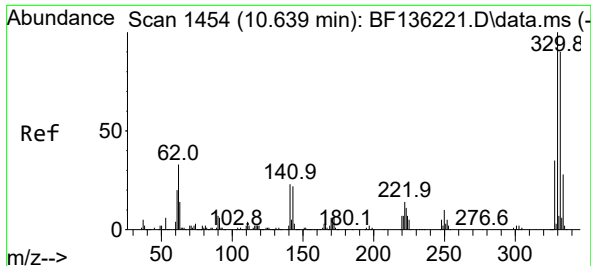
Tgt Ion: 82 Resp: 225425
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF136303.D
Acq: 30 Nov 2023 01:38

Tgt Ion:164 Resp: 148312
Ion Ratio Lower Upper
164 100
162 106.1 89.5 134.3
160 47.7 39.6 59.4

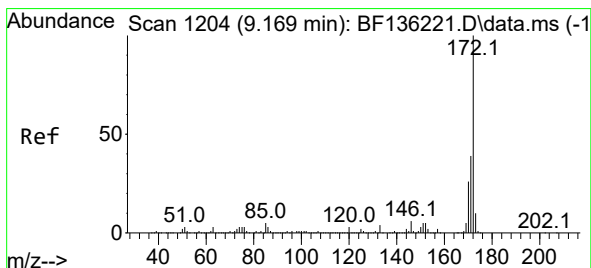
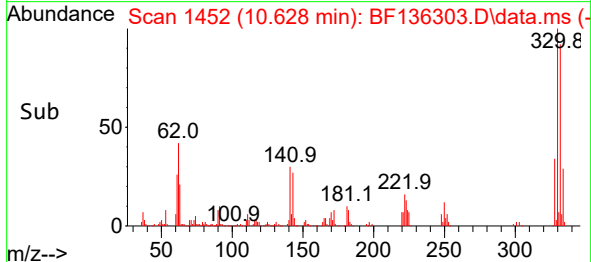
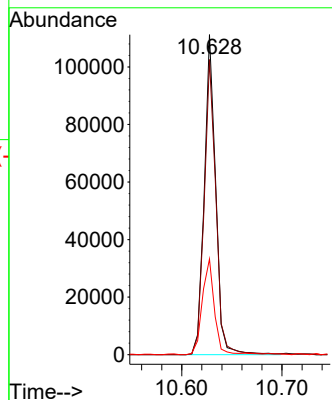
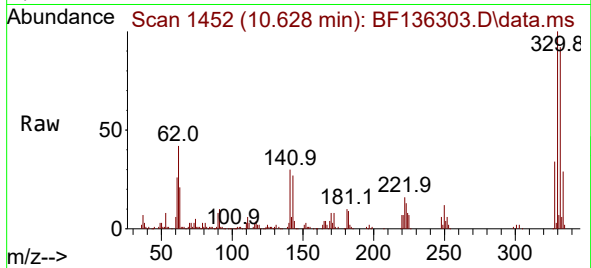




#42
 2,4,6-Tribromophenol
 Concen: 48.781 ng
 RT: 10.628 min Scan# 1454
 Delta R.T. -0.012 min
 Lab File: BF136303.D
 Acq: 30 Nov 2023 01:38

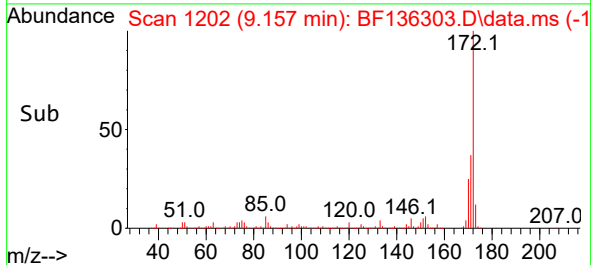
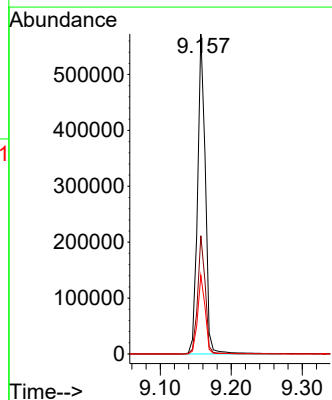
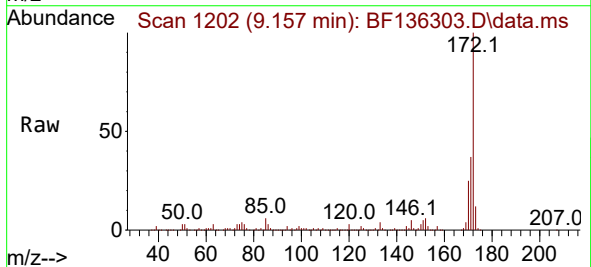
Instrument :
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 ClientSampleId :
 P-2(200FT)(5-10)

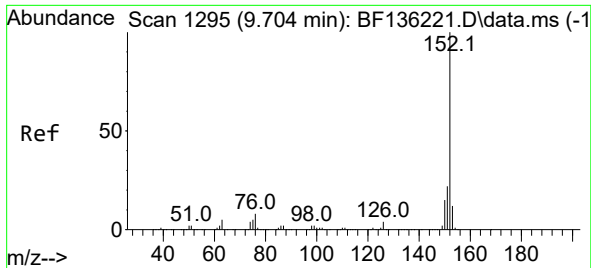
Tgt Ion: 330 Resp: 88451
 Ion Ratio Lower Upper
 330 100
 332 94.9 73.0 109.6
 141 32.2 24.2 36.2



#45
 2-Fluorobiphenyl
 Concen: 37.786 ng
 RT: 9.157 min Scan# 1202
 Delta R.T. -0.012 min
 Lab File: BF136303.D
 Acq: 30 Nov 2023 01:38

Tgt Ion: 172 Resp: 438742
 Ion Ratio Lower Upper
 172 100
 171 37.0 31.5 47.3
 170 24.6 20.8 31.2

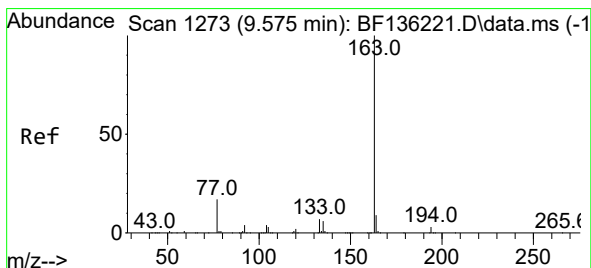
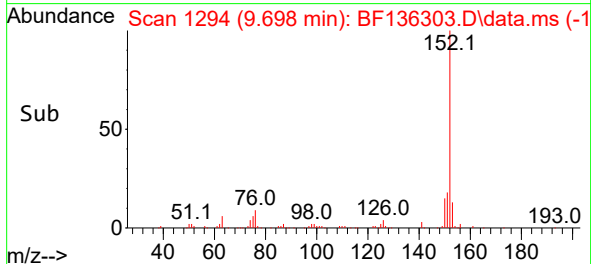
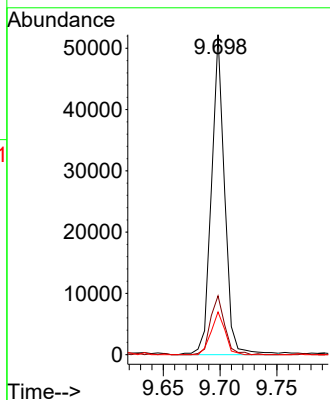
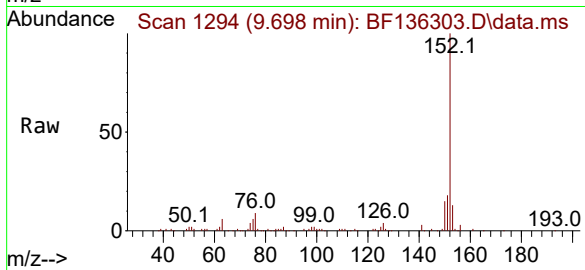




#49
Acenaphthylene
Concen: 2.898 ng
RT: 9.698 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF136303.D
Acq: 30 Nov 2023 01:38

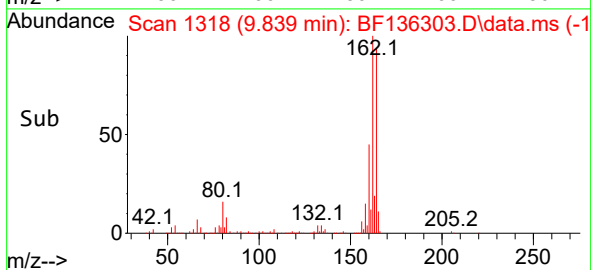
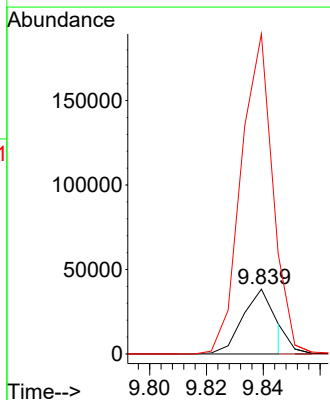
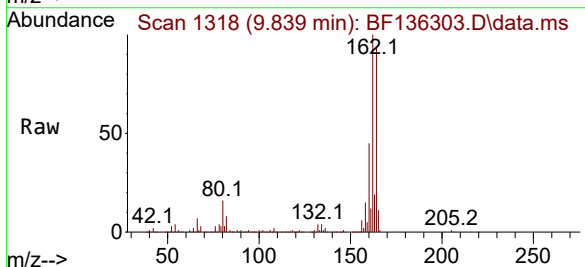
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ClientSampleId :
P-2(200FT)(5-10)

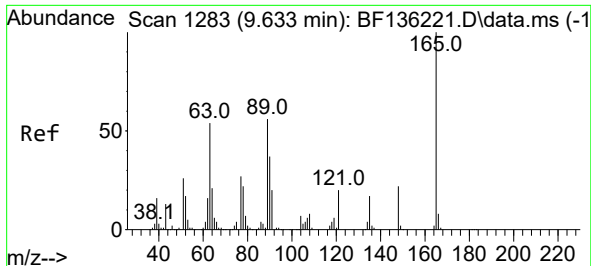
Tgt Ion:152 Resp: 42006
Ion Ratio Lower Upper
152 100
151 18.4 17.5 26.3
153 13.3 9.6 14.4



#50
Dimethylphthalate
Concen: 2.707 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.265 min
Lab File: BF136303.D
Acq: 30 Nov 2023 01:38

Tgt Ion:163 Resp: 30349
Ion Ratio Lower Upper
163 100
194 0.0 2.5 3.7#
164 494.3 7.0 10.6#





#51

2,6-Dinitrotoluene

Concen: 8.004 ng

RT: 9.839 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF136303.D

Acq: 30 Nov 2023 01:38

Instrument :

BNA_F

ClientSampleId :

P-2(200FT)(5-10)

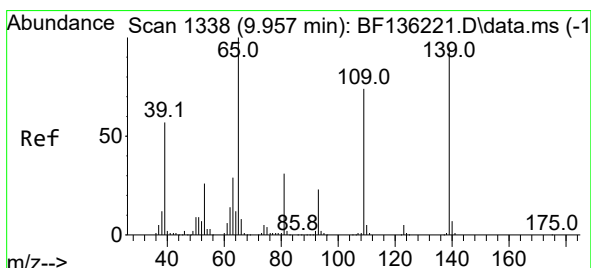
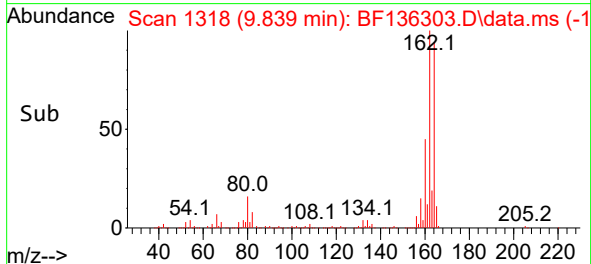
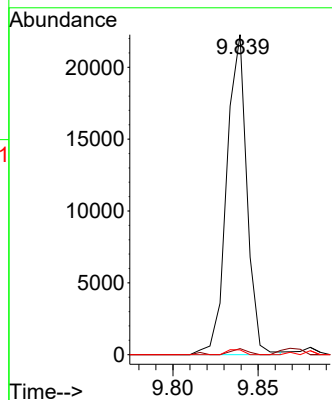
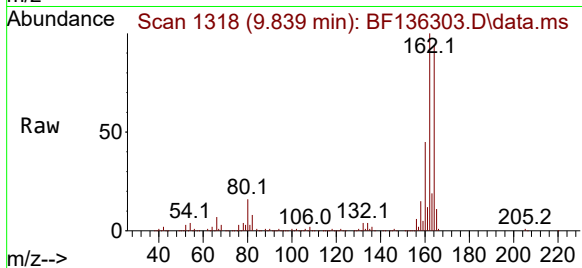
Tgt Ion:165 Resp: 18330

Ion Ratio Lower Upper

165 100

63 1.9 46.2 69.2#

89 1.5 44.9 67.3#



#56

4-Nitrophenol

Concen: 6.345 ng

RT: 10.045 min Scan# 1353

Delta R.T. 0.088 min

Lab File: BF136303.D

Acq: 30 Nov 2023 01:38

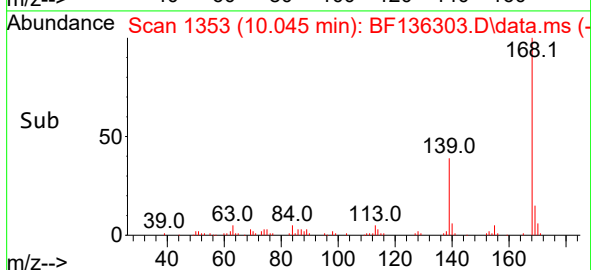
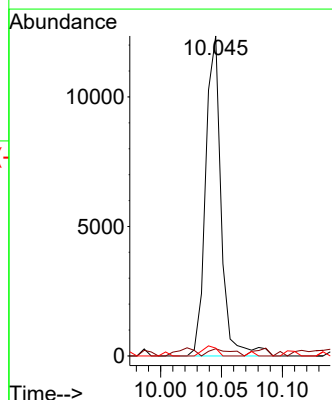
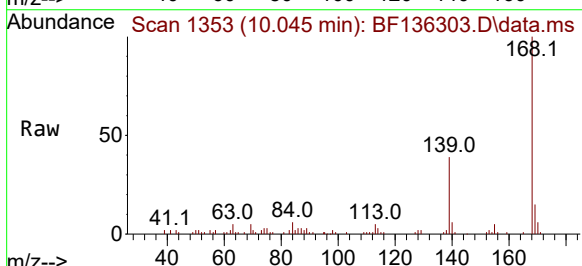
Tgt Ion:139 Resp: 10951

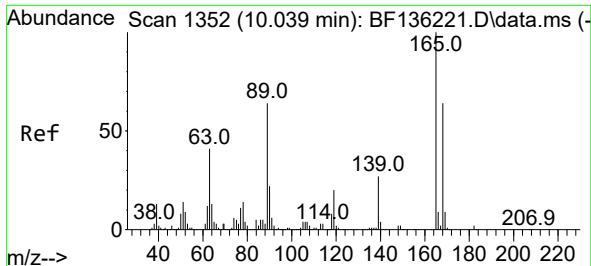
Ion Ratio Lower Upper

139 100

109 2.2 57.8 97.8#

65 2.4 86.0 126.0#

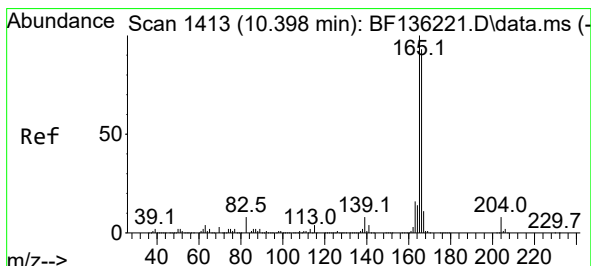
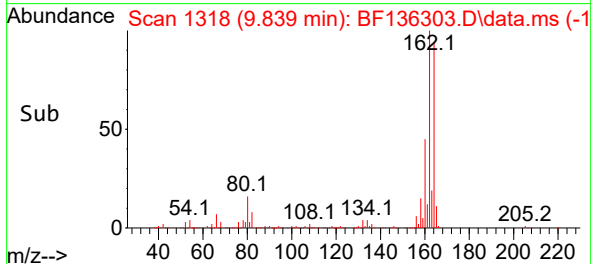
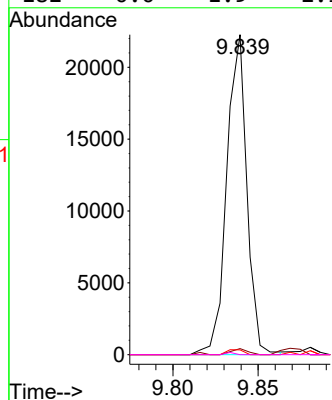
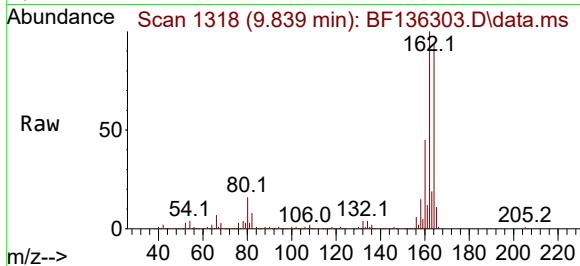




#57
2,4-Dinitrotoluene
Concen: 5.992 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF136303.D
Acq: 30 Nov 2023 01:38

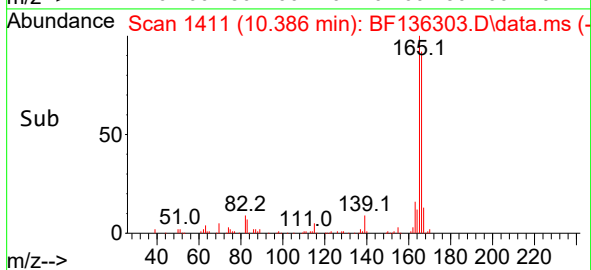
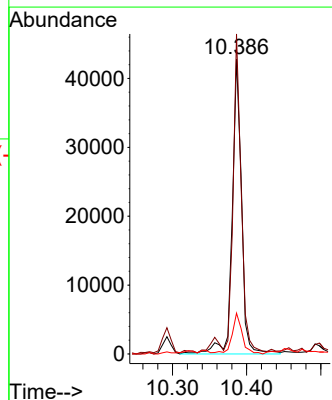
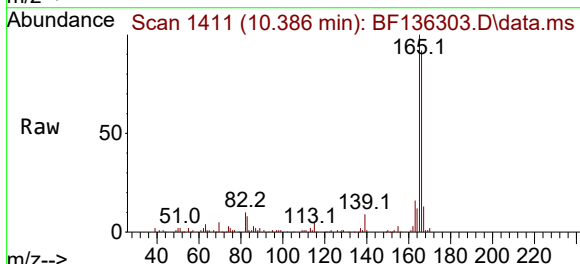
Instrument :
BNA_F
ClientSampleId :
P-2(200FT)(5-10)

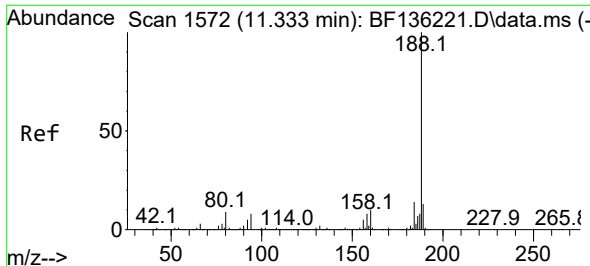
Tgt Ion:165 Resp: 18330
Ion Ratio Lower Upper
165 100
63 1.9 33.0 49.4#
89 1.5 51.5 77.3#
182 0.0 1.9 2.9#



#58
Fluorene
Concen: 3.501 ng
RT: 10.386 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF136303.D
Acq: 30 Nov 2023 01:38

Tgt Ion:166 Resp: 37433
Ion Ratio Lower Upper
166 100
165 108.5 86.2 129.4
167 13.8 9.1 13.7#

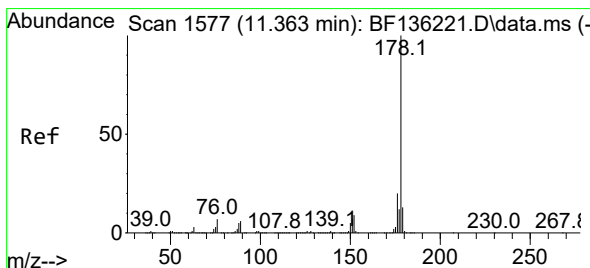
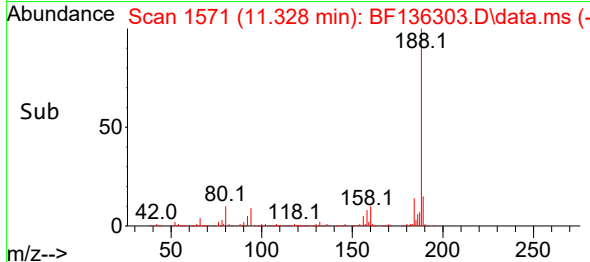
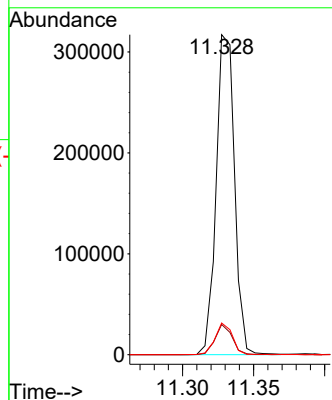
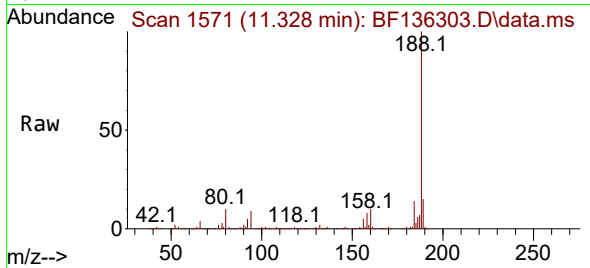




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.005 min
Lab File: BF136303.D
Acq: 30 Nov 2023 01:38

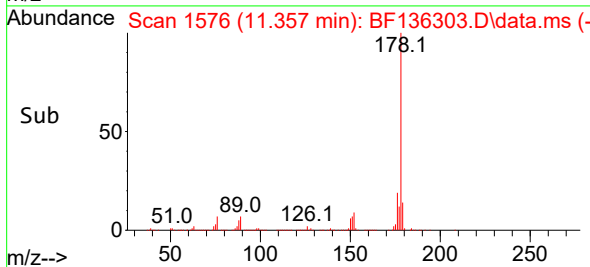
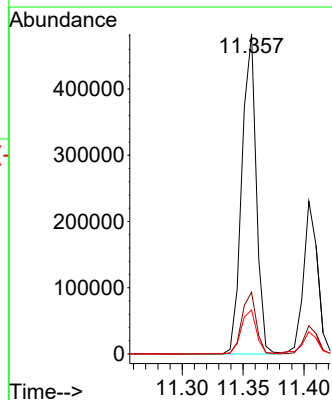
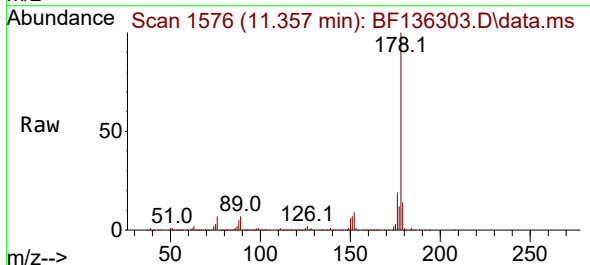
Instrument :
BNA_F
ClientSampleId :
P-2(200FT)(5-10)

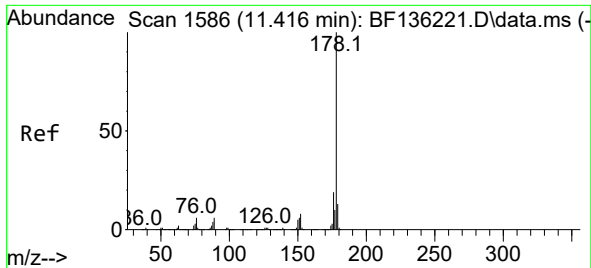
Tgt Ion:188 Resp: 285767
Ion Ratio Lower Upper
188 100
94 9.5 6.7 10.1
80 9.9 7.2 10.8



#71
Phenanthrene
Concen: 24.658 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF136303.D
Acq: 30 Nov 2023 01:38

Tgt Ion:178 Resp: 396045
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.2
179 13.8 10.3 15.5

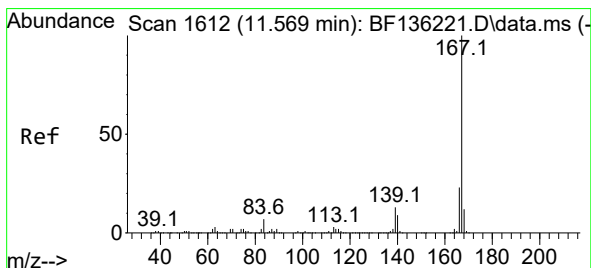
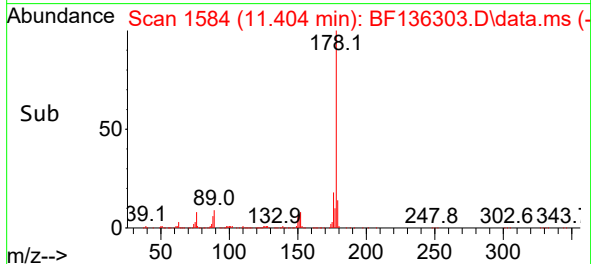
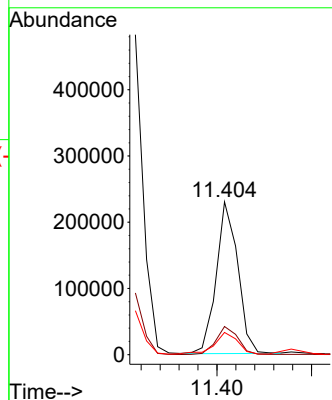
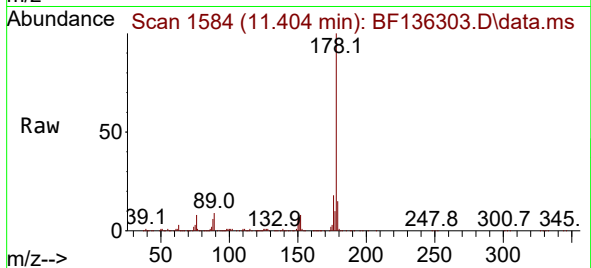




#72
 Anthracene
 Concen: 11.264 ng
 RT: 11.404 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136303.D
 Acq: 30 Nov 2023 01:38

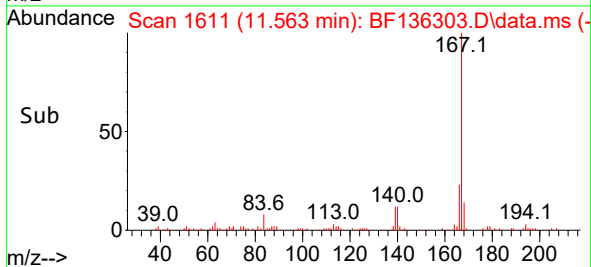
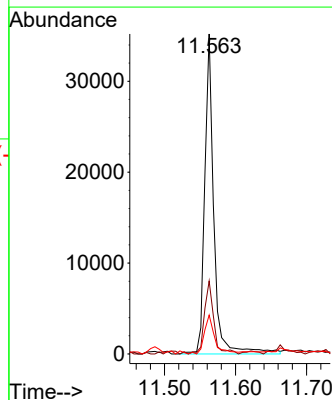
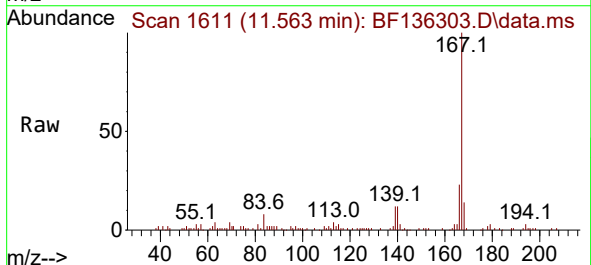
Instrument :
 BNA_F
 ClientSampleId :
 P-2(200FT)(5-10)

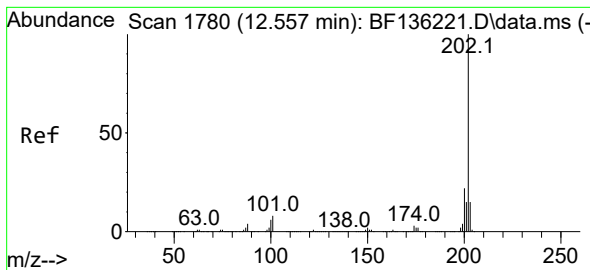
Tgt Ion:178 Resp: 181425
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.5 23.3
 179 14.5 10.5 15.7



#73
 Carbazole
 Concen: 2.304 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. -0.006 min
 Lab File: BF136303.D
 Acq: 30 Nov 2023 01:38

Tgt Ion:167 Resp: 31564
 Ion Ratio Lower Upper
 167 100
 166 22.8 18.4 27.6
 139 12.1 10.5 15.7





#75

Fluoranthene

Concen: 36.274 ng

RT: 12.551 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136303.D

Acq: 30 Nov 2023 01:38

Instrument :

BNA_F

ClientSampleId :

P-2(200FT)(5-10)

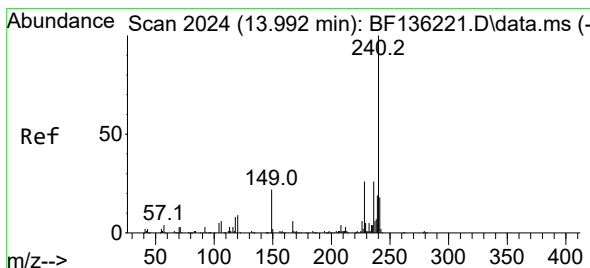
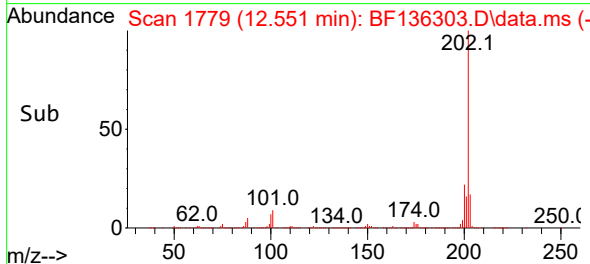
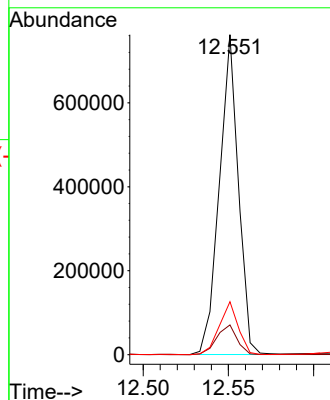
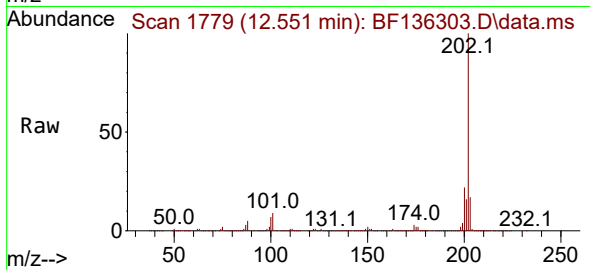
Tgt Ion:202 Resp: 591447

Ion Ratio Lower Upper

202 100

101 9.3 0.0 27.8

203 16.6 0.0 34.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 2023

Delta R.T. -0.006 min

Lab File: BF136303.D

Acq: 30 Nov 2023 01:38

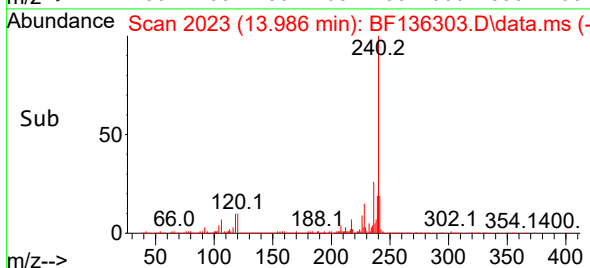
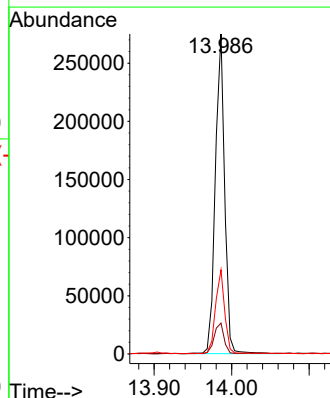
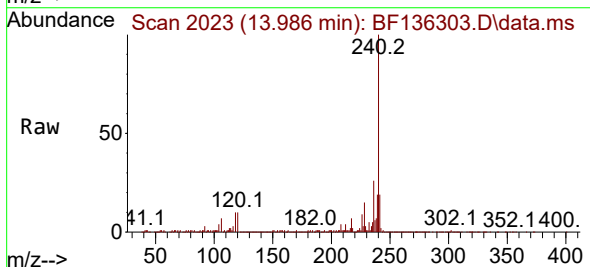
Tgt Ion:240 Resp: 229797

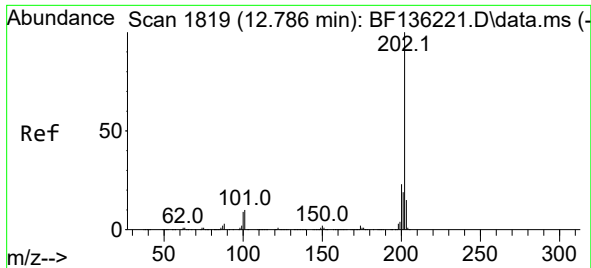
Ion Ratio Lower Upper

240 100

120 9.7 7.4 11.2

236 26.3 21.1 31.7

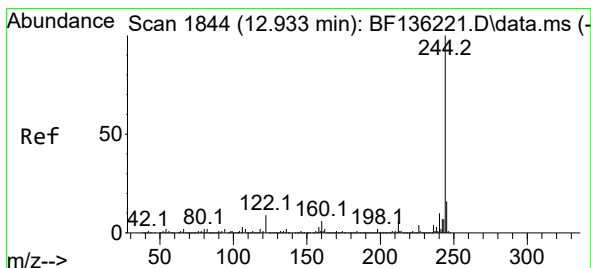
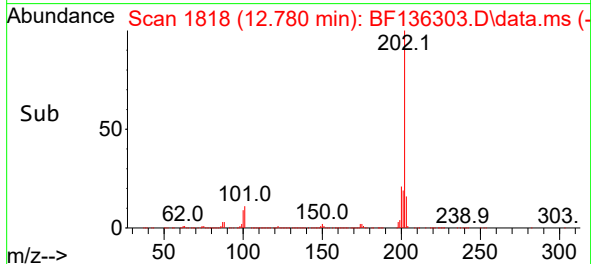
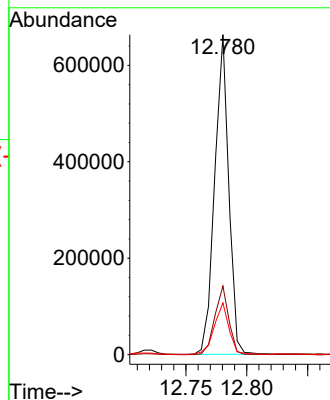
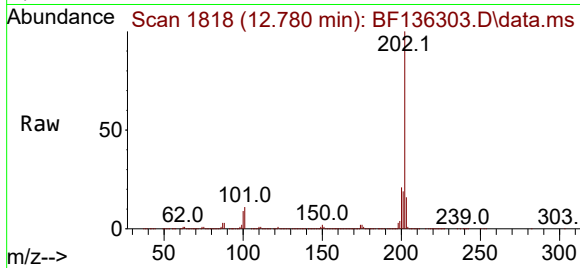




#78
 Pyrene
 Concen: 21.086 ng
 RT: 12.780 min Scan# 1819
 Delta R.T. -0.006 min
 Lab File: BF136303.D
 Acq: 30 Nov 2023 01:38

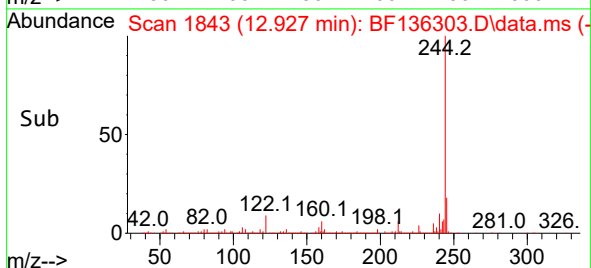
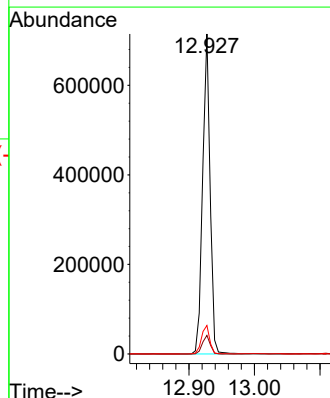
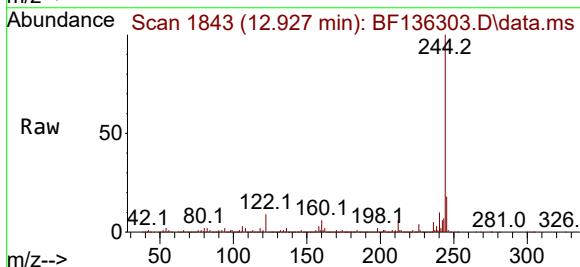
Instrument :
 BNA_F
 ClientSampleId :
 P-2(200FT)(5-10)

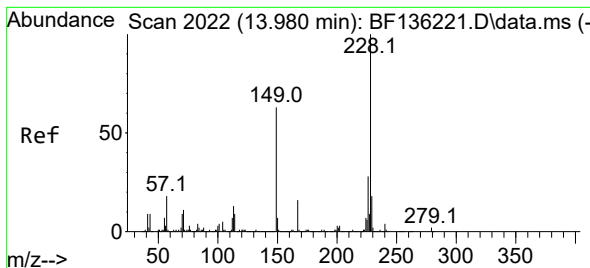
Tgt Ion:202 Resp: 530675
 Ion Ratio Lower Upper
 202 100
 200 21.5 18.4 27.6
 203 16.2 11.8 17.6



#79
 Terphenyl-d14
 Concen: 28.518 ng
 RT: 12.927 min Scan# 1843
 Delta R.T. -0.006 min
 Lab File: BF136303.D
 Acq: 30 Nov 2023 01:38

Tgt Ion:244 Resp: 568133
 Ion Ratio Lower Upper
 244 100
 212 5.8 4.6 7.0
 122 8.9 7.3 10.9





#81

Benzo(a)anthracene

Concen: 13.454 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136303.D

Acq: 30 Nov 2023 01:38

Instrument :

BNA_F

ClientSampleId :

P-2(200FT)(5-10)

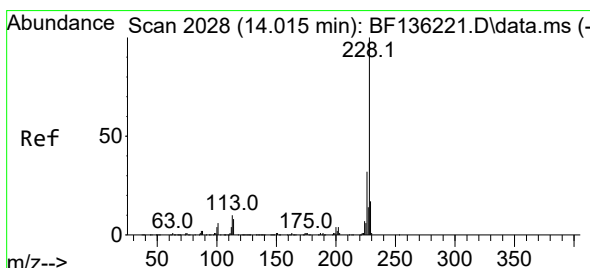
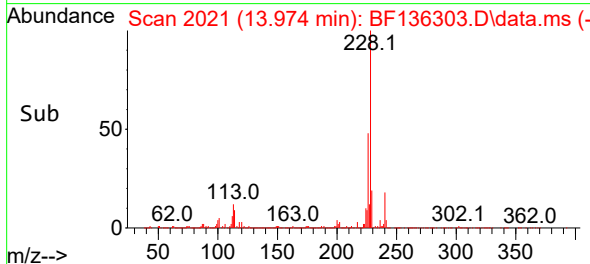
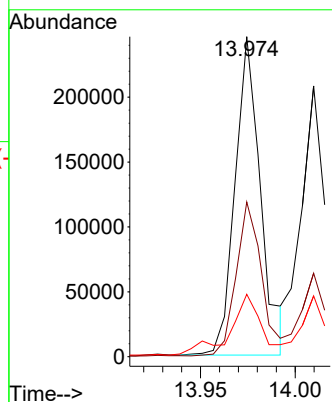
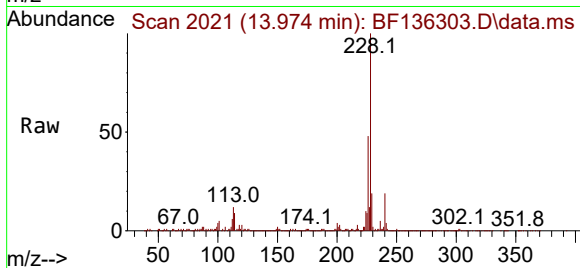
Tgt Ion:228 Resp: 229639

Ion Ratio Lower Upper

228 100

226 48.3 22.6 34.0#

229 19.5 14.0 21.0



#83

Chrysene

Concen: 11.117 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF136303.D

Acq: 30 Nov 2023 01:38

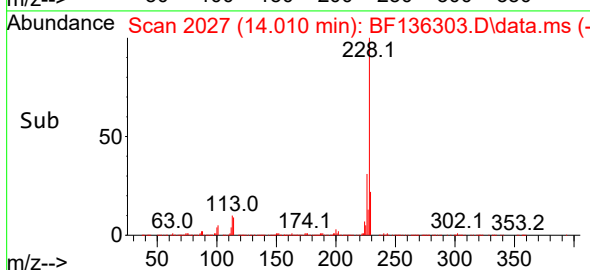
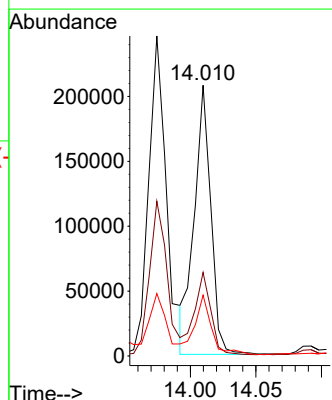
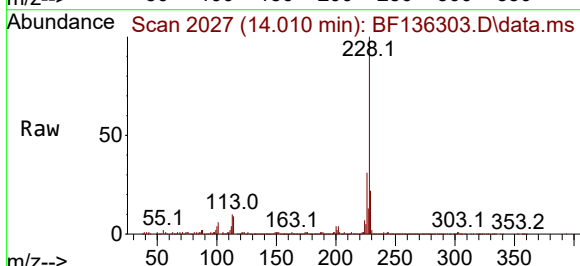
Tgt Ion:228 Resp: 183217

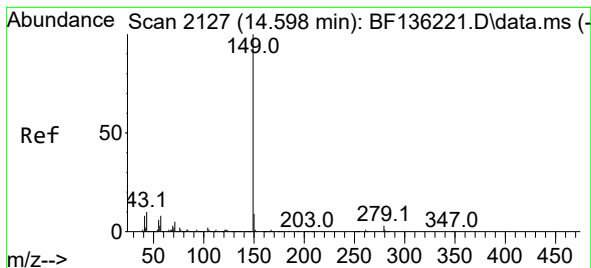
Ion Ratio Lower Upper

228 100

226 30.8 25.5 38.3

229 22.5 13.9 20.9#





#85

Di-n-octyl phthalate

Concen: 5.184 ng

RT: 14.586 min Scan# 2125

Delta R.T. -0.012 min

Lab File: BF136303.D

Acq: 30 Nov 2023 01:38

Instrument :

BNA_F

ClientSampleId :

P-2(200FT)(5-10)

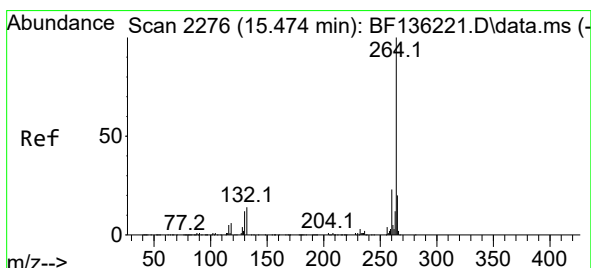
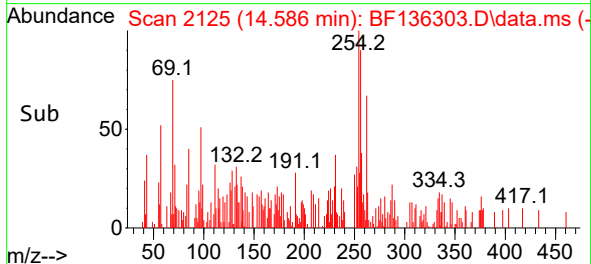
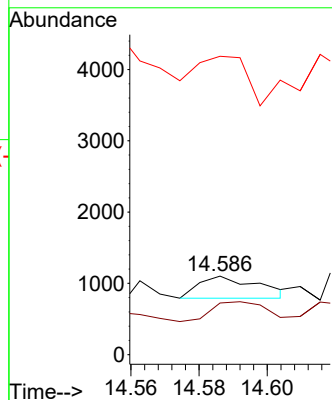
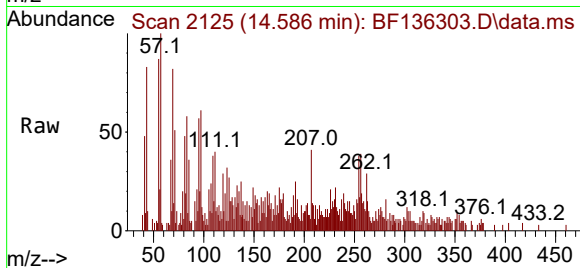
Tgt Ion:149 Resp: 372

Ion Ratio Lower Upper

149 100

167 122.8 1.0 1.6#

43 187.1 7.2 10.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2275

Delta R.T. -0.006 min

Lab File: BF136303.D

Acq: 30 Nov 2023 01:38

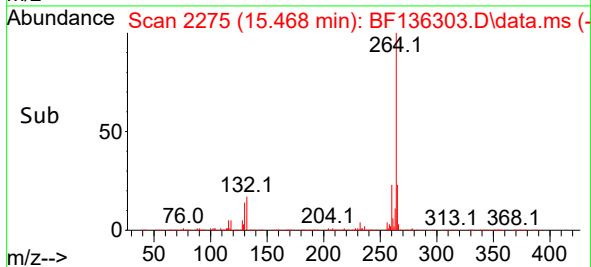
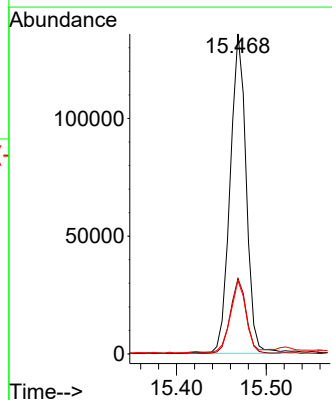
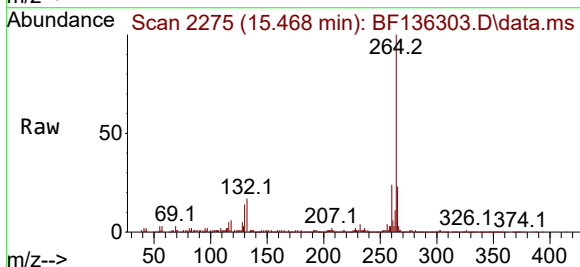
Tgt Ion:264 Resp: 168425

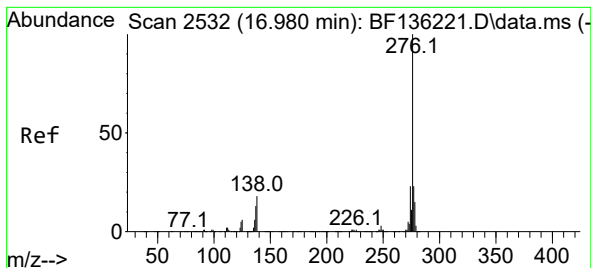
Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

265 23.0 15.7 23.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.230 ng

RT: 16.968 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136303.D

Acq: 30 Nov 2023 01:38

Instrument :

BNA_F

ClientSampleId :

P-2(200FT)(5-10)

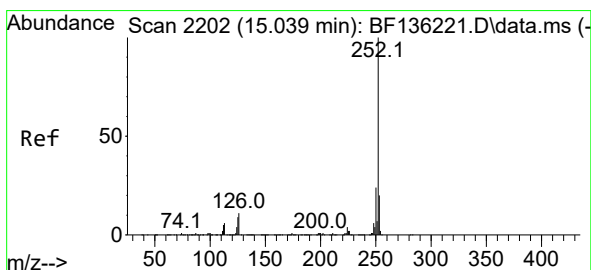
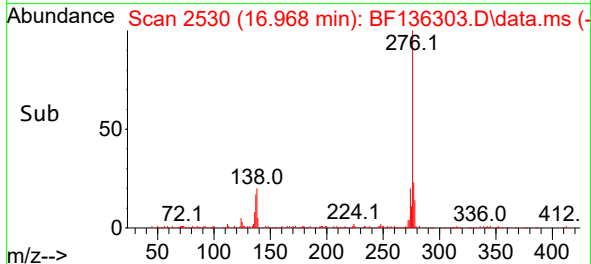
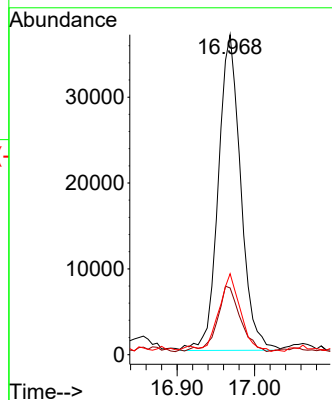
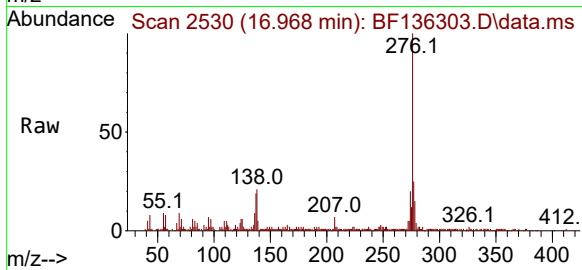
Tgt Ion:276 Resp: 74008

Ion Ratio Lower Upper

276 100

138 21.7 17.7 26.5

277 22.9 19.6 29.4



#88

Benzo(b)fluoranthene

Concen: 21.371 ng

RT: 15.033 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF136303.D

Acq: 30 Nov 2023 01:38

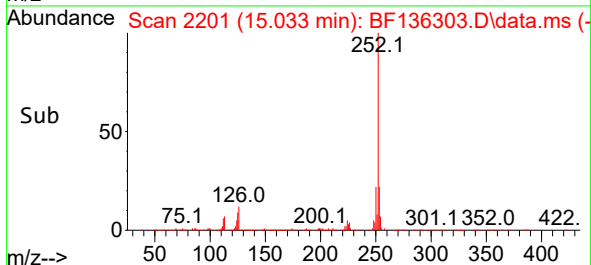
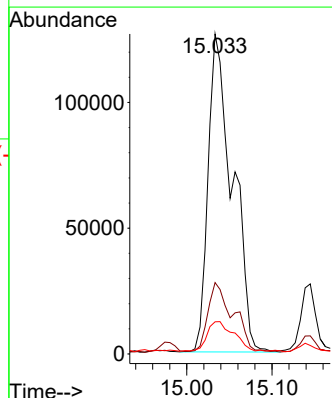
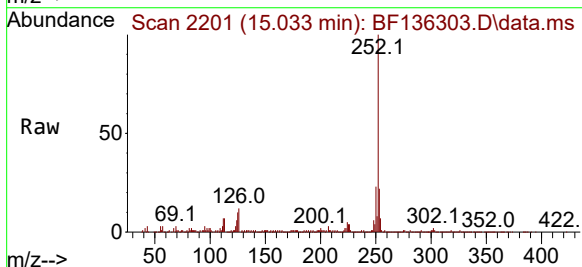
Tgt Ion:252 Resp: 252530

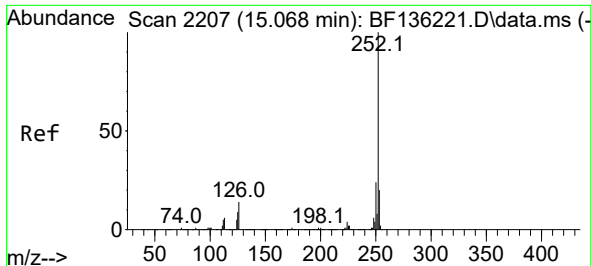
Ion Ratio Lower Upper

252 100

253 22.3 16.2 24.2

125 10.0 6.9 10.3





#89

Benzo(k)fluoranthene

Concen: 22.501 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF136303.D

Acq: 30 Nov 2023 01:38

Instrument :

BNA_F

ClientSampleId :

P-2(200FT)(5-10)

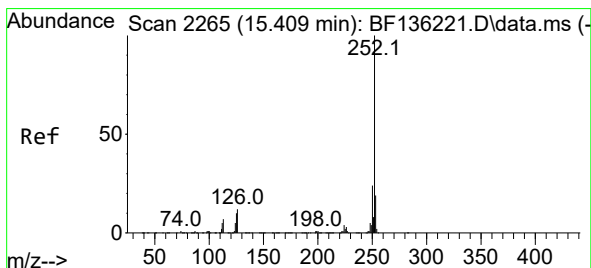
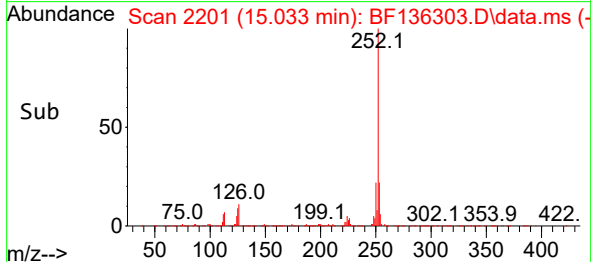
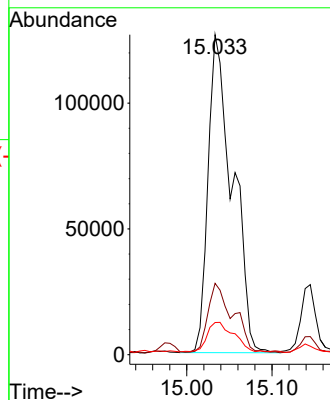
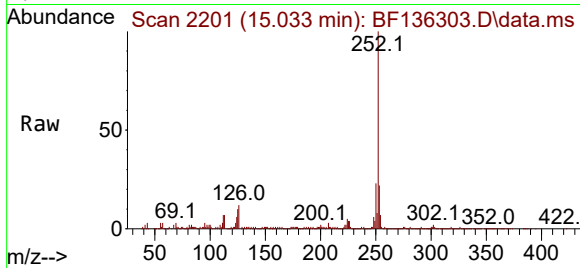
Tgt Ion:252 Resp: 252530

Ion Ratio Lower Upper

252 100

253 22.3 15.6 23.4

125 10.0 7.0 10.4



#90

Benzo(a)pyrene

Concen: 12.577 ng

RT: 15.404 min Scan# 2264

Delta R.T. -0.005 min

Lab File: BF136303.D

Acq: 30 Nov 2023 01:38

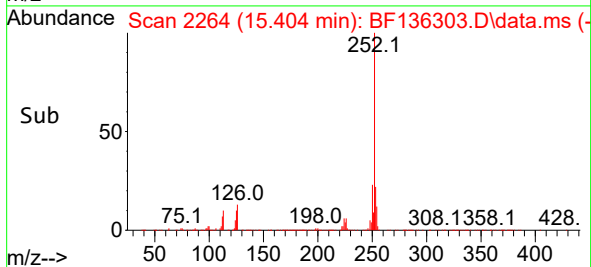
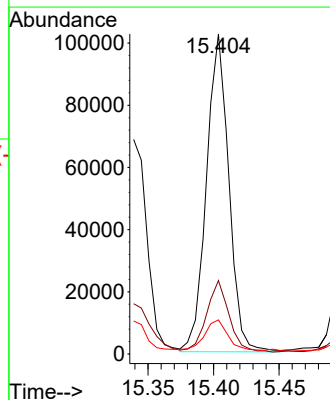
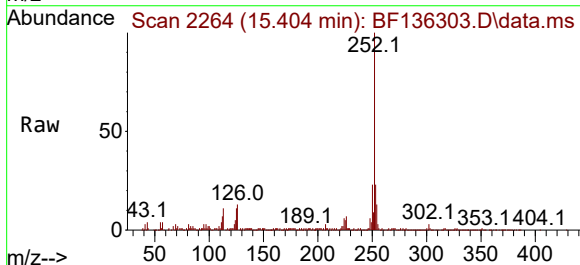
Tgt Ion:252 Resp: 121487

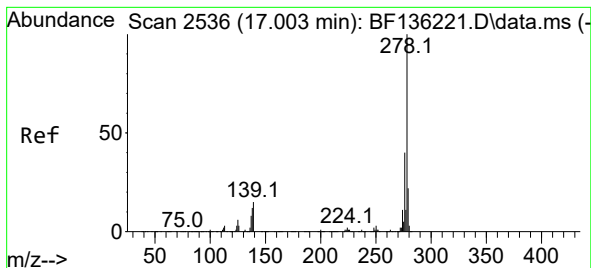
Ion Ratio Lower Upper

252 100

253 22.9 15.5 23.3

125 10.7 7.9 11.9





#91

Dibenzo(a,h)anthracene

Concen: 4.080 ng

RT: 16.980 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF136303.D

Acq: 30 Nov 2023 01:38

Instrument :

BNA_F

ClientSampleId :

P-2(200FT)(5-10)

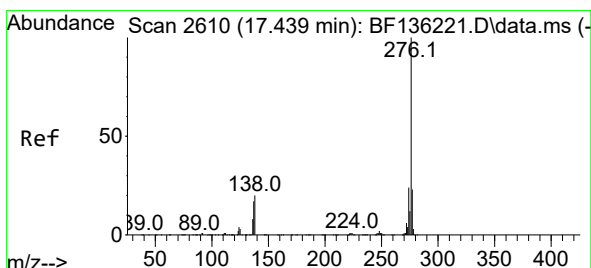
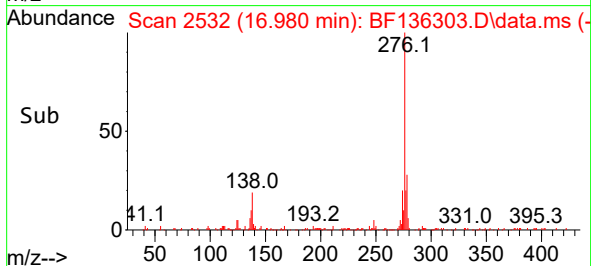
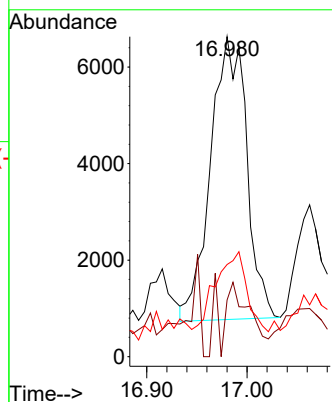
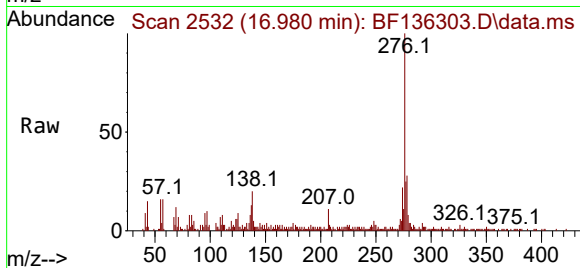
Tgt Ion:278 Resp: 14639

Ion Ratio Lower Upper

278 100

139 17.7 11.7 17.5#

279 28.8 17.8 26.8#



#92

Benzo(g,h,i)perylene

Concen: 8.851 ng

RT: 17.421 min Scan# 2607

Delta R.T. -0.018 min

Lab File: BF136303.D

Acq: 30 Nov 2023 01:38

Tgt Ion:276 Resp: 73380

Ion Ratio Lower Upper

276 100

277 22.3 18.6 27.8

138 21.4 15.8 23.8

