

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
 Data File : BF136312.D
 Acq On : 30 Nov 2023 14:20
 Operator : CG\JU
 Sample : 05253-03DL2 50X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 30 14:37:04 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)

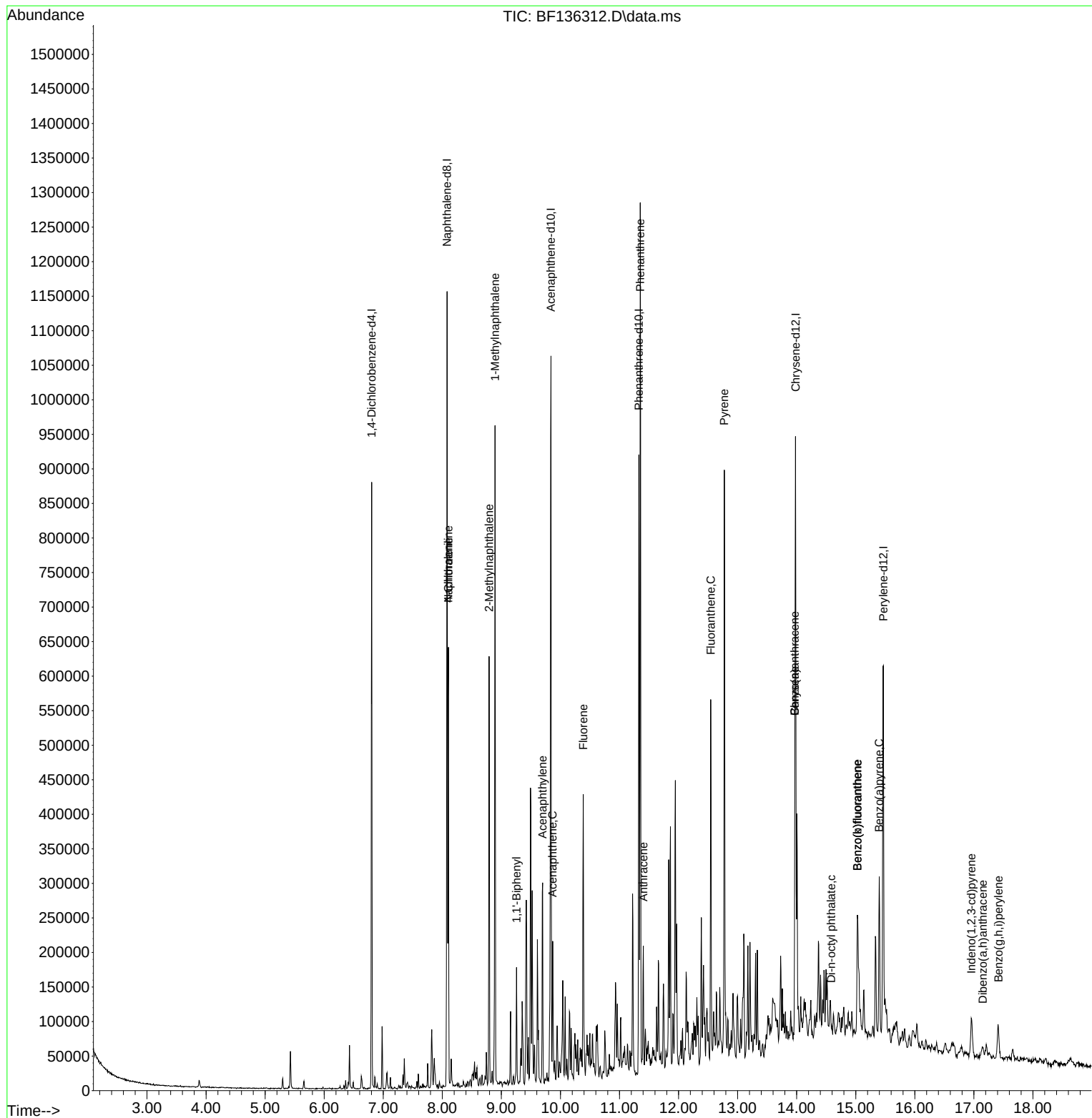
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	116757	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	466741	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	211852	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	310001	20.000	ng	0.00
76) Chrysene-d12	13.980	240	237600	20.000	ng	-0.01
86) Perylene-d12	15.468	264	264609	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	14618	1.743	ng	-0.01
7) Phenol-d6	6.428	99	20008	1.908	ng	-0.02
23) Nitrobenzene-d5	7.357	82	12770	1.446	ng	-0.02
42) 2,4,6-Tribromophenol	10.628	330	3569	1.378	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	27784	1.675	ng	-0.01
79) Terphenyl-d14	12.921	244	22725	1.103	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.104	128	269695	10.280	ng	97
33) 4-Chloroaniline	8.104	127	36304	4.071	ng	# 37
37) 2-Methylnaphthalene	8.792	142	145210	8.824	ng	94
38) 1-Methylnaphthalene	8.892	142	214866	13.384	ng	93
46) 1,1'-Biphenyl	9.257	154	47666	2.551	ng	95
49) Acenaphthylene	9.698	152	79266	3.828	ng	# 93
52) Acenaphthene	9.869	154	35577	2.719	ng	86
58) Fluorene	10.386	166	106207	6.955	ng	92
71) Phenanthrene	11.351	178	453675	26.038	ng	98
72) Anthracene	11.404	178	65754	3.763	ng	98
75) Fluoranthene	12.545	202	189843	10.733	ng	91
78) Pyrene	12.774	202	327298	12.578	ng	95
81) Benzo(a)anthracene	13.968	228	128304	7.270	ng	# 88
83) Chrysene	13.968	228	128304	7.530	ng	93
85) Di-n-octyl phthalate	14.586	149	510	5.191	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.957	276	36058	4.400	ng	98
88) Benzo(b)fluoranthene	15.027	252	134963	7.270	ng	95
89) Benzo(k)fluoranthene	15.027	252	134963	7.654	ng	94
90) Benzo(a)pyrene	15.398	252	112620	7.421	ng	98
91) Dibenzo(a,h)anthracene	17.151	278	9307	3.267	ng	95
92) Benzo(g,h,i)perylene	17.415	276	39815	4.301	ng	97

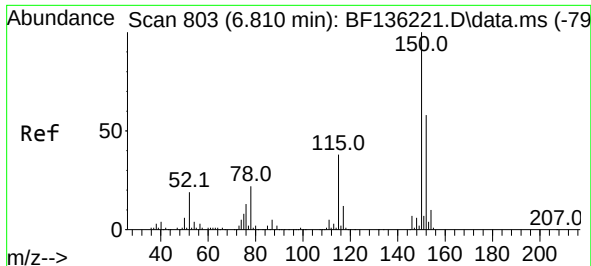
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
Data File : BF136312.D
Acq On : 30 Nov 2023 14:20
Operator : CG\JU
Sample : 05253-03DL2 50X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

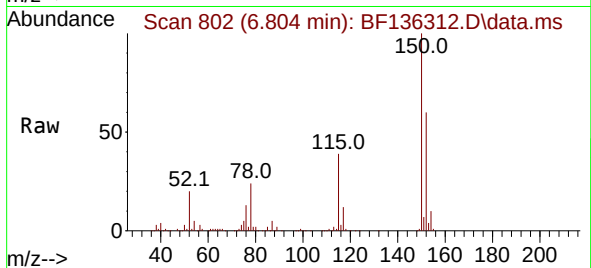
Quant Time: Nov 30 14:37:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 28 03:04:20 2023
Response via : Initial Calibration



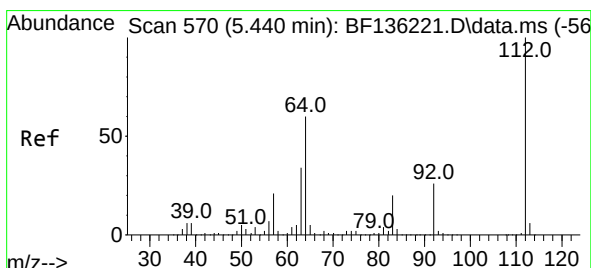
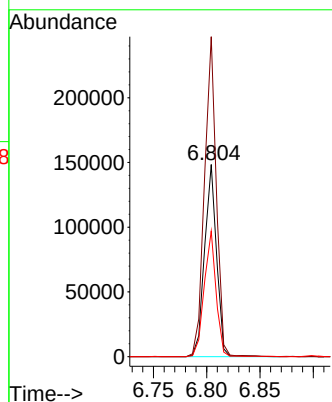
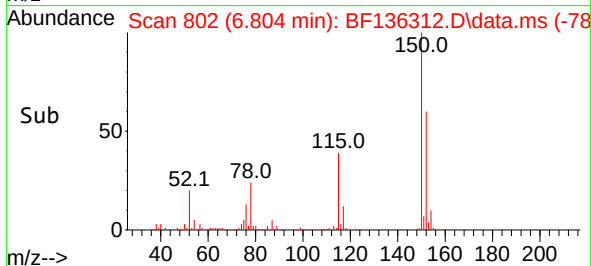


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136312.D
Acq: 30 Nov 2023 14:20

Instrument :
BNA_F
ClientSampleId :

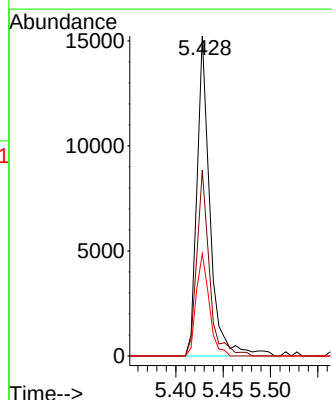
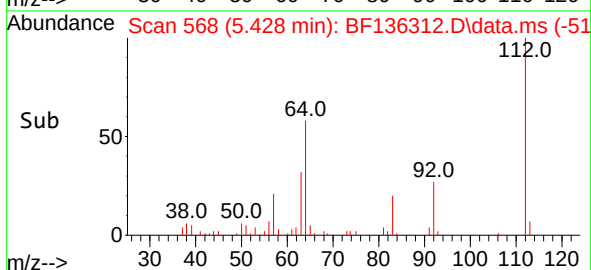
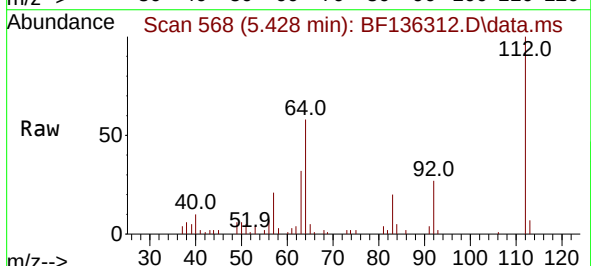


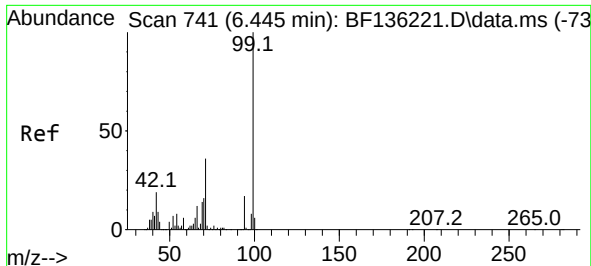
Tgt Ion:152 Resp: 116757
Ion Ratio Lower Upper
152 100
150 166.5 137.8 206.8
115 65.4 52.7 79.1



#5
2-Fluorophenol
Concen: 1.743 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.012 min
Lab File: BF136312.D
Acq: 30 Nov 2023 14:20

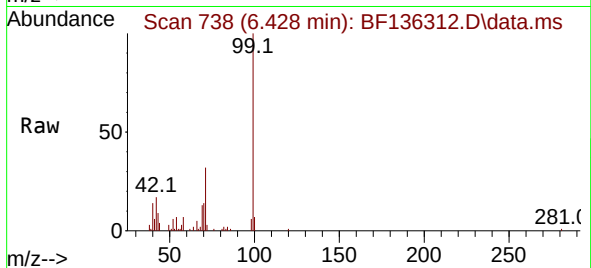
Tgt Ion:112 Resp: 14618
Ion Ratio Lower Upper
112 100
64 58.1 48.2 72.4
63 31.9 27.0 40.6



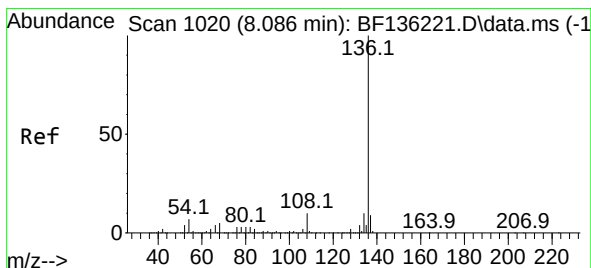
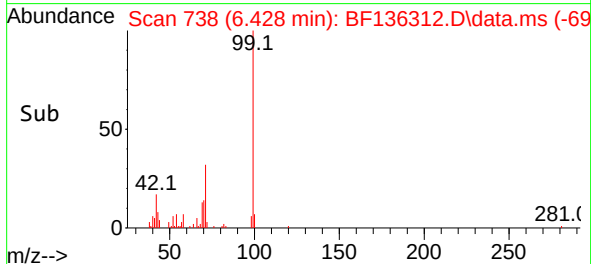
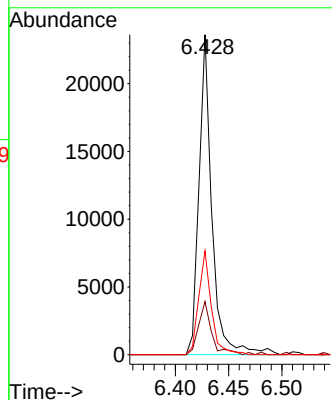


#7
Phenol-d6
Concen: 1.908 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF136312.D
Acq: 30 Nov 2023 14:20

Instrument :
BNA_F
ClientSampleId :

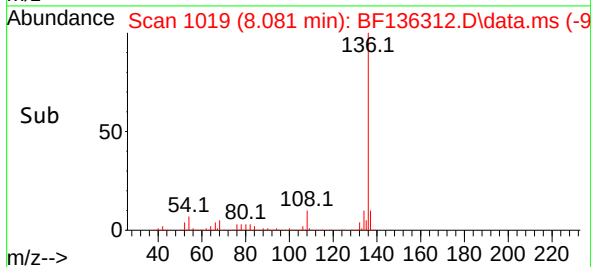
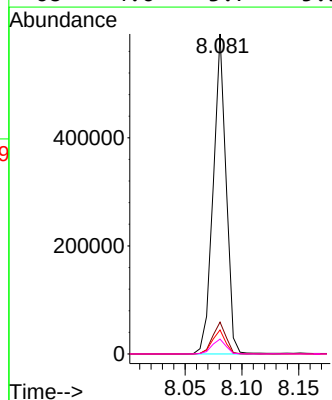
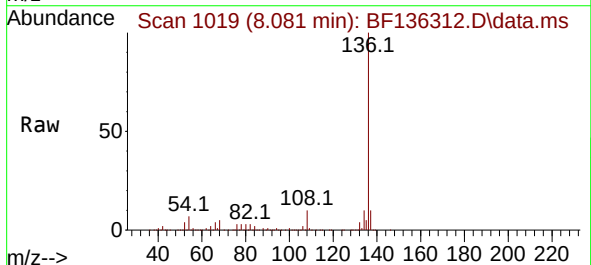


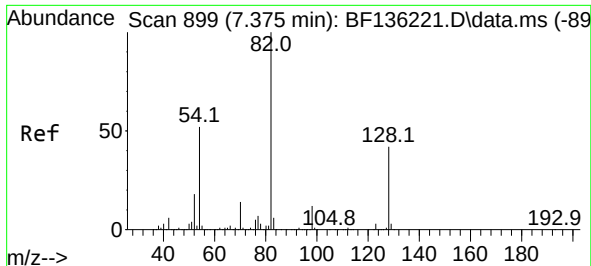
Tgt Ion: 99 Resp: 20008
Ion Ratio Lower Upper
99 100
42 16.6 15.0 22.6
71 32.4 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136312.D
Acq: 30 Nov 2023 14:20

Tgt Ion: 136 Resp: 466741
Ion Ratio Lower Upper
136 100
137 10.0 7.4 11.2
54 7.5 5.5 8.3
68 4.6 3.7 5.5





#23

Nitrobenzene-d5

Concen: 1.446 ng

RT: 7.357 min Scan# 899

Delta R.T. -0.018 min

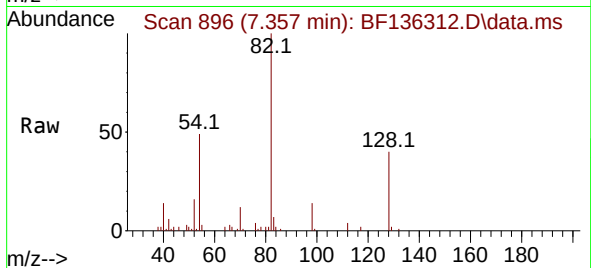
Lab File: BF136312.D

Acq: 30 Nov 2023 14:20

Instrument :

BNA_F

ClientSampleId :



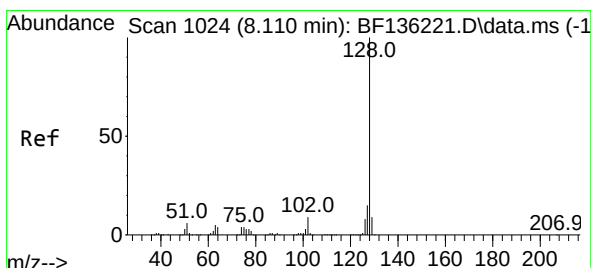
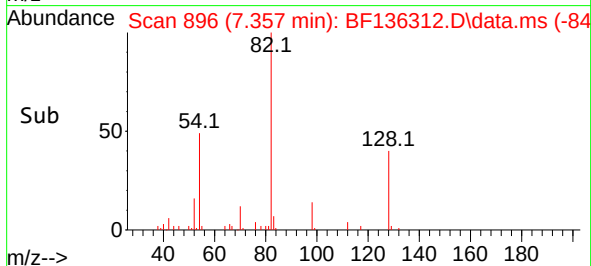
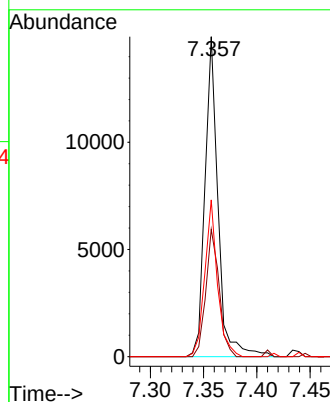
Tgt Ion: 82 Resp: 12770

Ion Ratio Lower Upper

82 100

128 39.8 33.4 50.2

54 49.0 41.7 62.5



#31

Naphthalene

Concen: 10.280 ng

RT: 8.104 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF136312.D

Acq: 30 Nov 2023 14:20

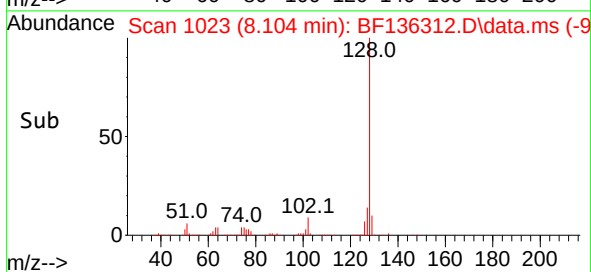
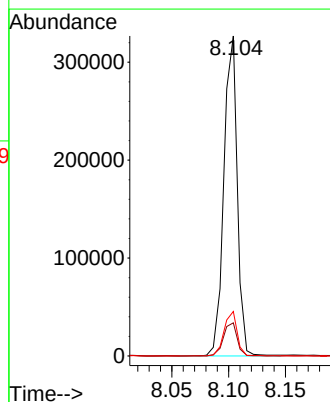
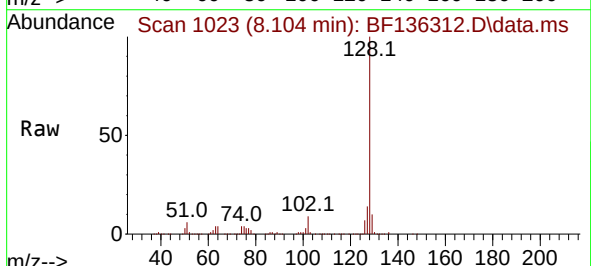
Tgt Ion: 128 Resp: 269695

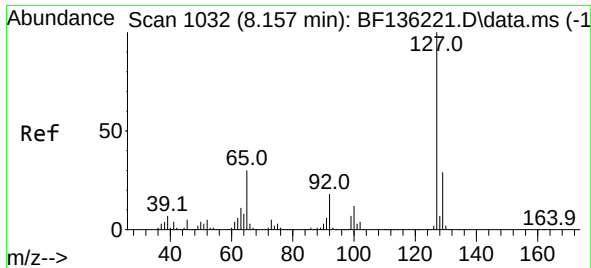
Ion Ratio Lower Upper

128 100

129 10.4 7.3 10.9

127 13.9 11.8 17.6

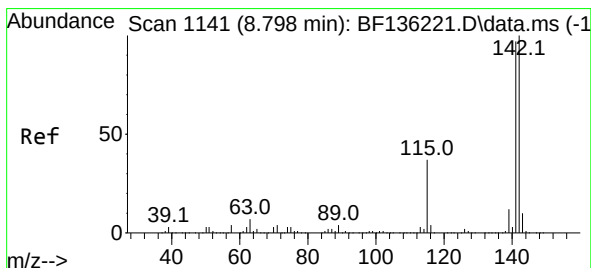
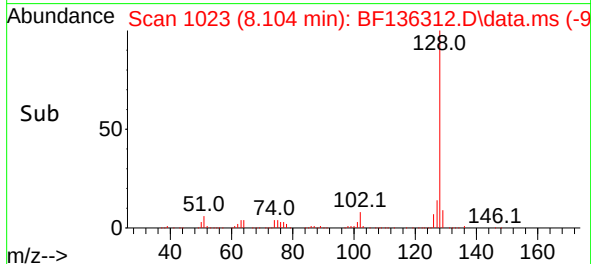
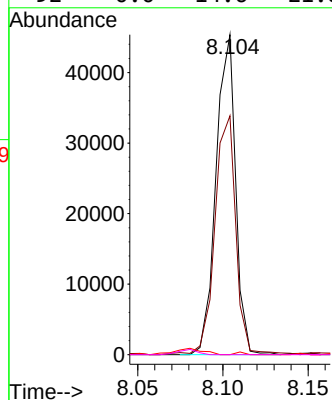
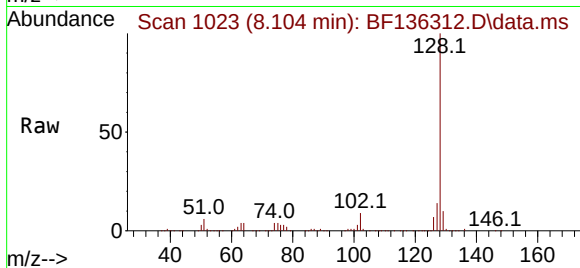




#33
4-Chloroaniline
Concen: 4.071 ng
RT: 8.104 min Scan# 1140
Delta R.T. -0.053 min
Lab File: BF136312.D
Acq: 30 Nov 2023 14:20

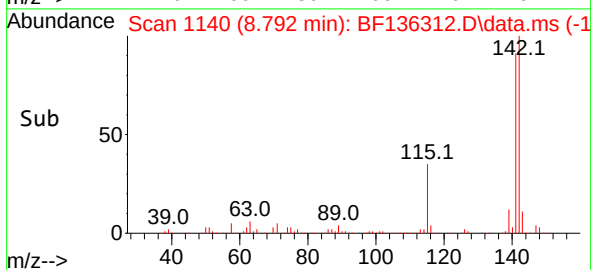
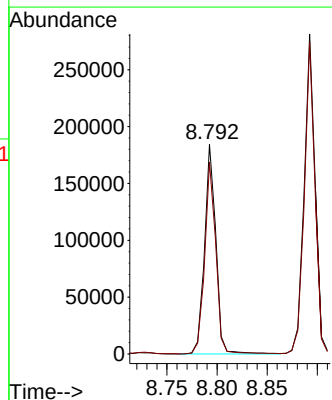
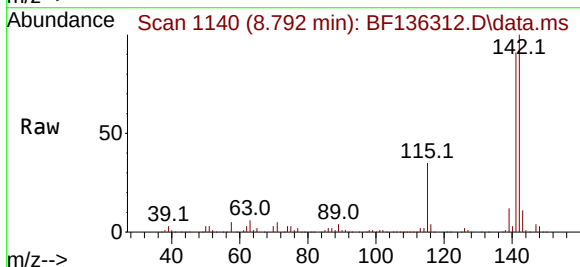
Instrument :
BNA_F
ClientSampleId :

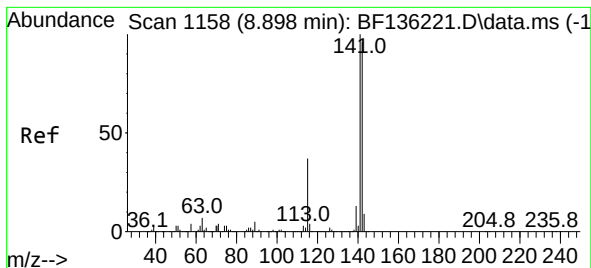
Tgt Ion:127	Resp:	36304
Ion Ratio	Lower	Upper
127	100	
129	74.7	23.4 35.2#
65	0.0	23.8 35.6#
92	0.0	14.6 21.8#



#37
2-Methylnaphthalene
Concen: 8.824 ng
RT: 8.792 min Scan# 1140
Delta R.T. -0.006 min
Lab File: BF136312.D
Acq: 30 Nov 2023 14:20

Tgt Ion:142	Resp:	145210
Ion Ratio	Lower	Upper
142	100	
141	91.3	77.8 116.8





#38

1-Methylnaphthalene

Concen: 13.384 ng

RT: 8.892 min Scan# 1157

Delta R.T. -0.006 min

Lab File: BF136312.D

Acq: 30 Nov 2023 14:20

Instrument :

BNA_F

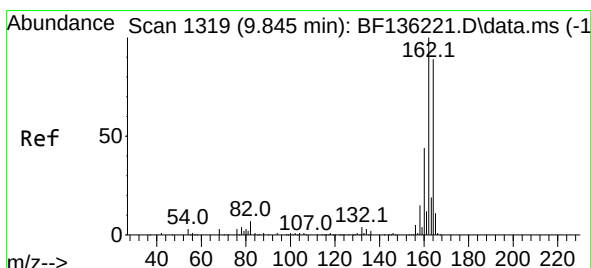
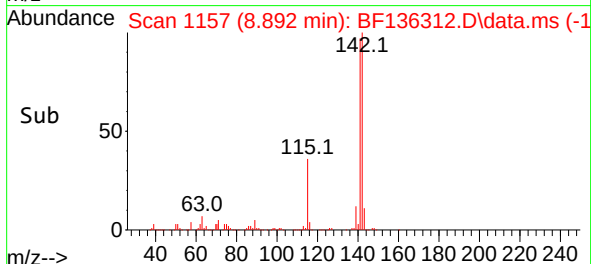
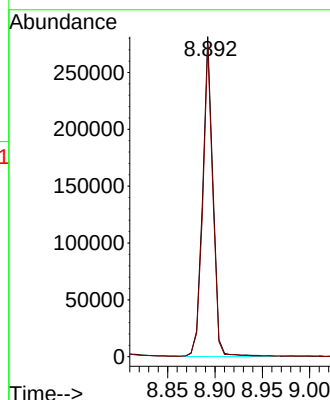
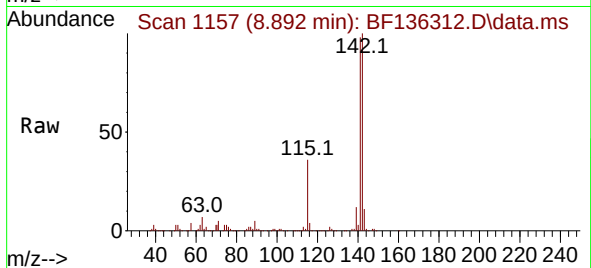
ClientSampleId :

Tgt Ion:142 Resp: 214866

Ion Ratio Lower Upper

142 100

141 97.6 83.8 125.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1318

Delta R.T. -0.006 min

Lab File: BF136312.D

Acq: 30 Nov 2023 14:20

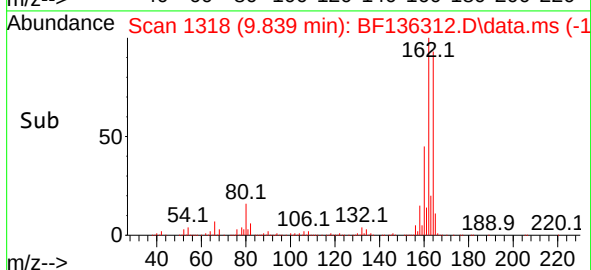
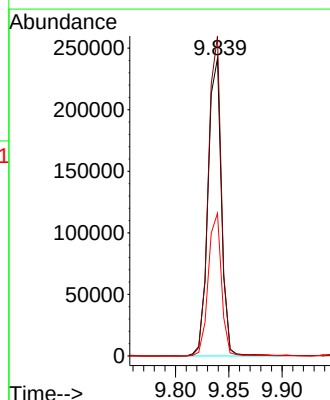
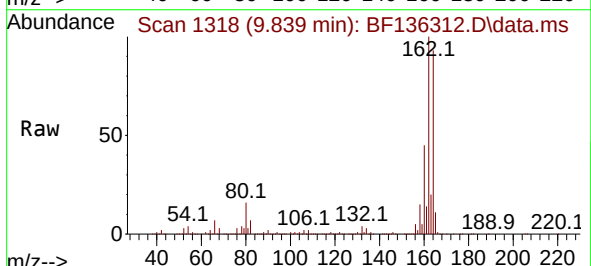
Tgt Ion:164 Resp: 211852

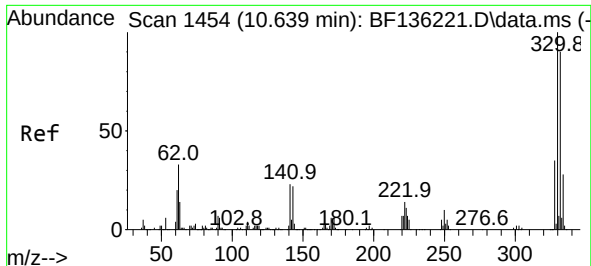
Ion Ratio Lower Upper

164 100

162 107.5 89.5 134.3

160 48.0 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 1.378 ng

RT: 10.628 min Scan# 1454

Delta R.T. -0.012 min

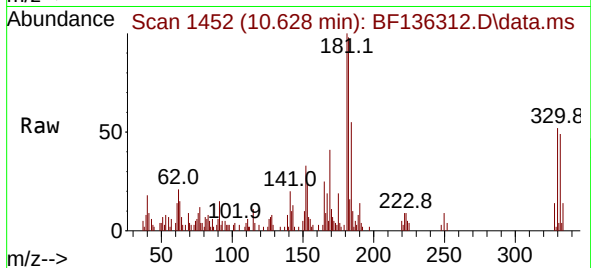
Lab File: BF136312.D

Acq: 30 Nov 2023 14:20

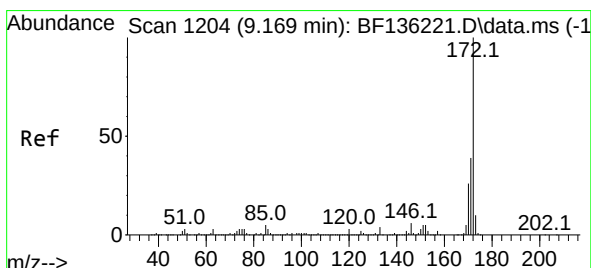
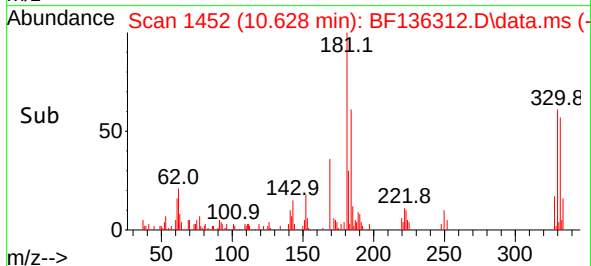
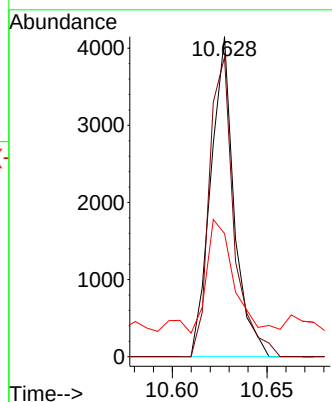
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	330	Resp:	3569
Ion Ratio	Lower	Upper	
330	100		
332	98.8	73.0	109.6
141	48.3	24.2	36.2#



#45

2-Fluorobiphenyl

Concen: 1.675 ng

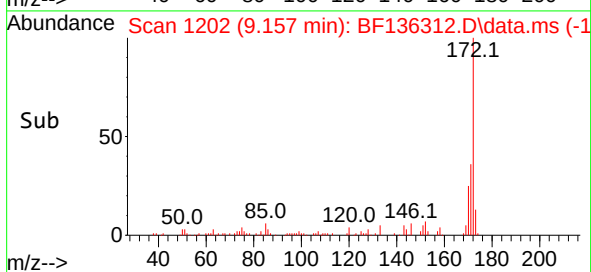
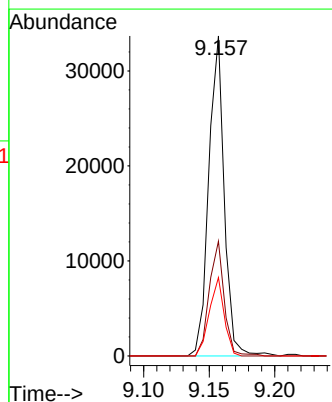
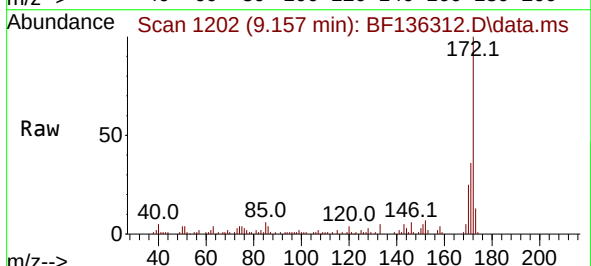
RT: 9.157 min Scan# 1202

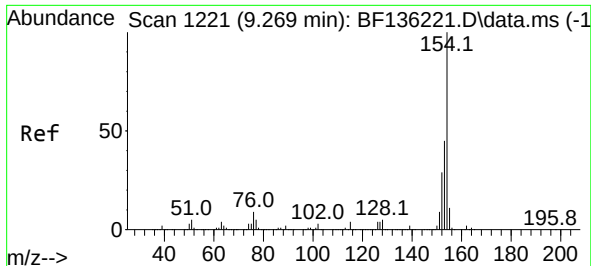
Delta R.T. -0.012 min

Lab File: BF136312.D

Acq: 30 Nov 2023 14:20

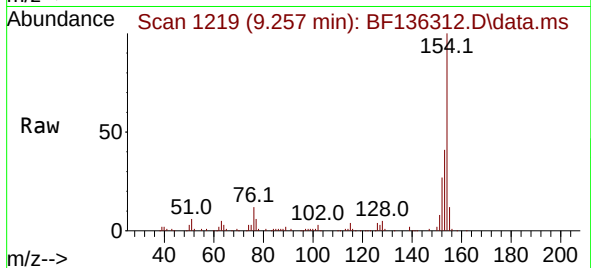
Tgt Ion:	172	Resp:	27784
Ion Ratio	Lower	Upper	
172	100		
171	35.8	31.5	47.3
170	24.5	20.8	31.2



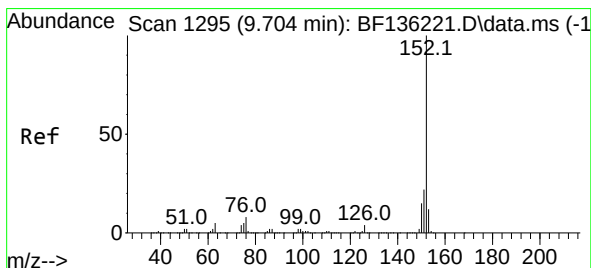
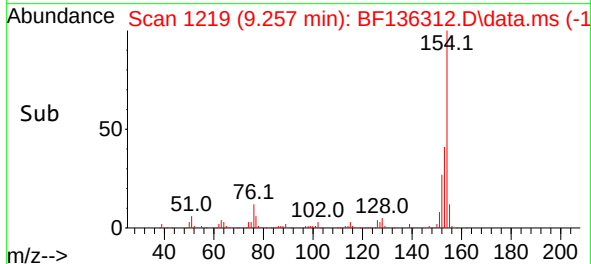
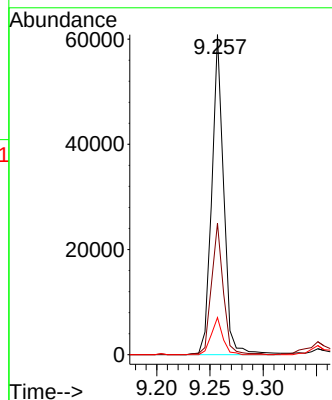


#46
1,1'-Biphenyl
Concen: 2.551 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.012 min
Lab File: BF136312.D
Acq: 30 Nov 2023 14:20

Instrument :
BNA_F
ClientSampleId :

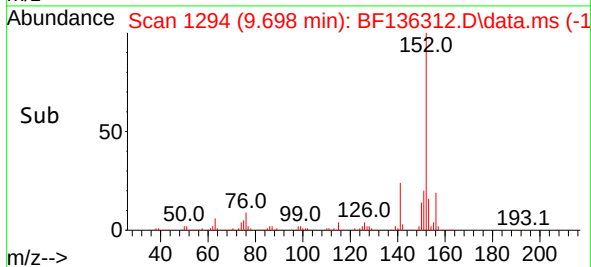
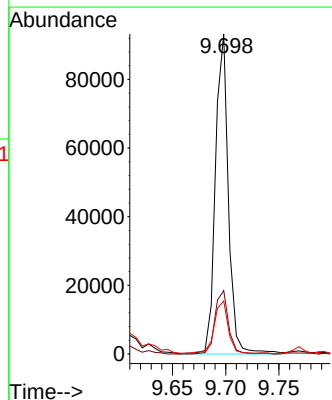
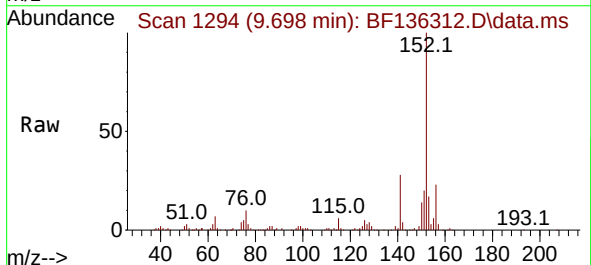


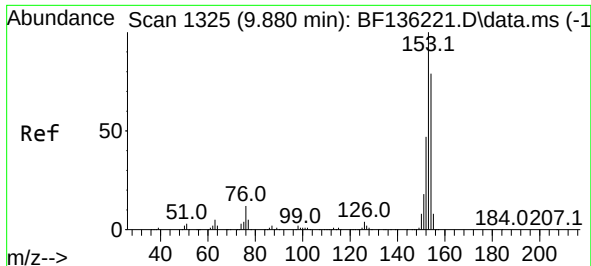
Tgt Ion:154 Resp: 47666
Ion Ratio Lower Upper
154 100
153 41.1 24.6 64.6
76 11.6 0.0 29.4



#49
Acenaphthylene
Concen: 3.828 ng
RT: 9.698 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF136312.D
Acq: 30 Nov 2023 14:20

Tgt Ion:152 Resp: 79266
Ion Ratio Lower Upper
152 100
151 19.8 17.5 26.3
153 16.5 9.6 14.4#

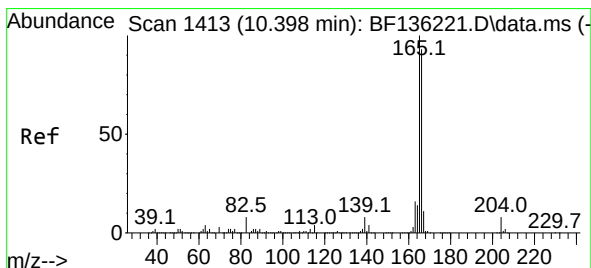
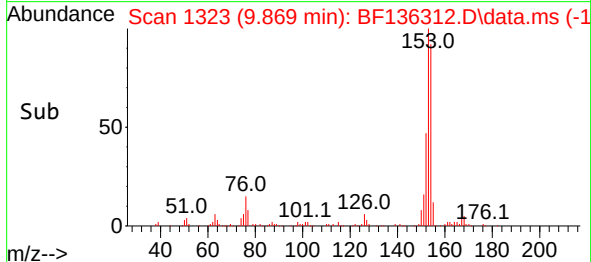
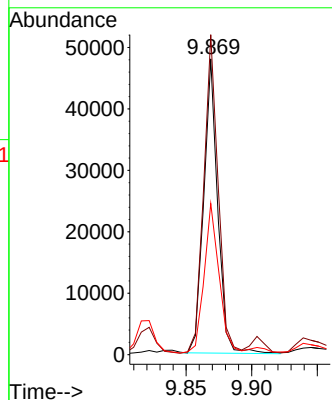
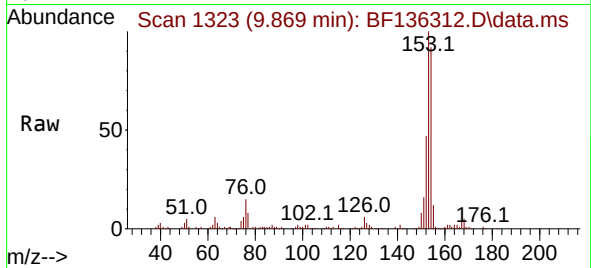




#52
Acenaphthene
Concen: 2.719 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136312.D
Acq: 30 Nov 2023 14:20

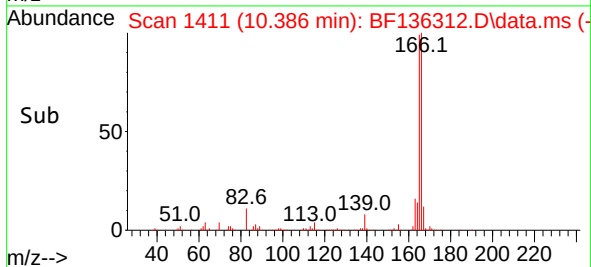
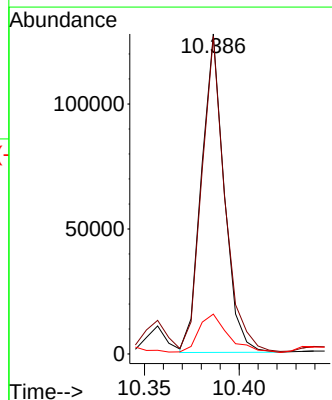
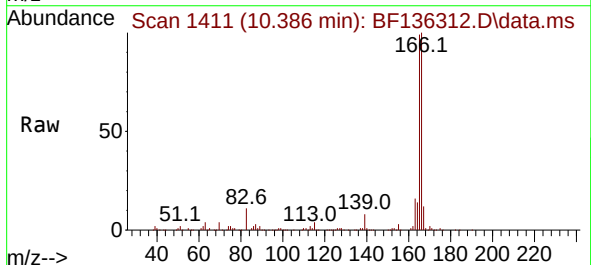
Instrument :
BNA_F
ClientSampleId :

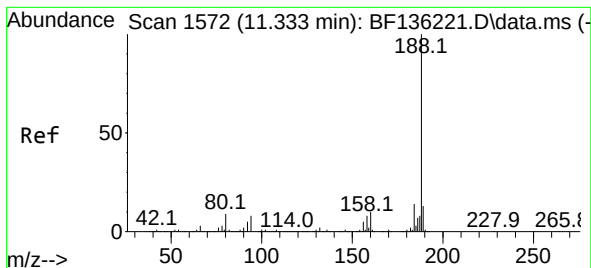
Tgt Ion:154 Resp: 35577
Ion Ratio Lower Upper
154 100
153 108.2 100.8 151.2
152 51.1 47.0 70.6



#58
Fluorene
Concen: 6.955 ng
RT: 10.386 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF136312.D
Acq: 30 Nov 2023 14:20

Tgt Ion:166 Resp: 106207
Ion Ratio Lower Upper
166 100
165 99.2 86.2 129.4
167 12.5 9.1 13.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF136312.D

Acq: 30 Nov 2023 14:20

Instrument :

BNA_F

ClientSampleId :

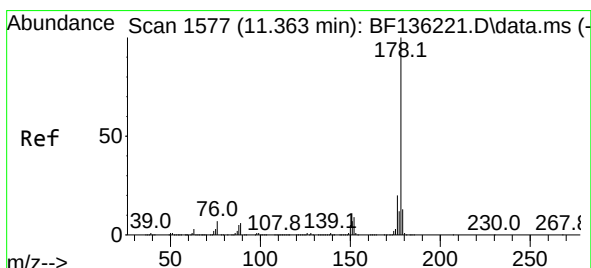
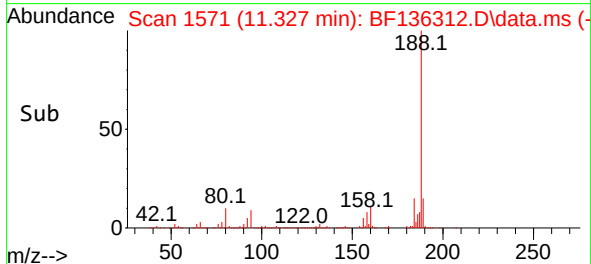
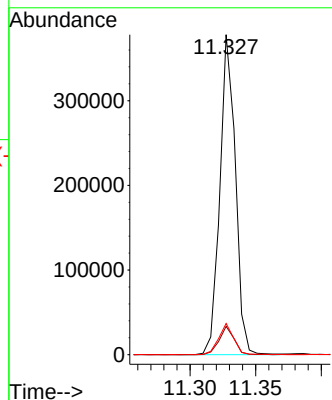
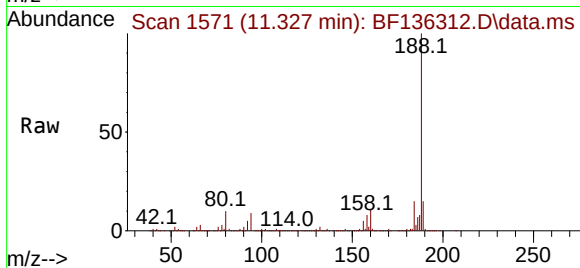
Tgt Ion:188 Resp: 310001

Ion Ratio Lower Upper

188 100

94 8.9 6.7 10.1

80 9.8 7.2 10.8



#71

Phenanthrene

Concen: 26.038 ng

RT: 11.351 min Scan# 1575

Delta R.T. -0.012 min

Lab File: BF136312.D

Acq: 30 Nov 2023 14:20

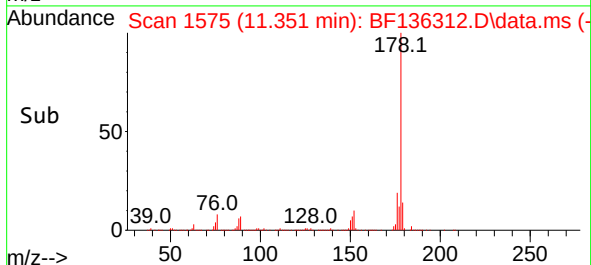
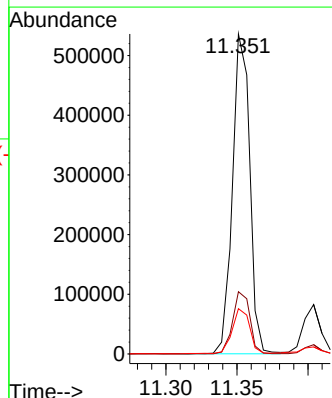
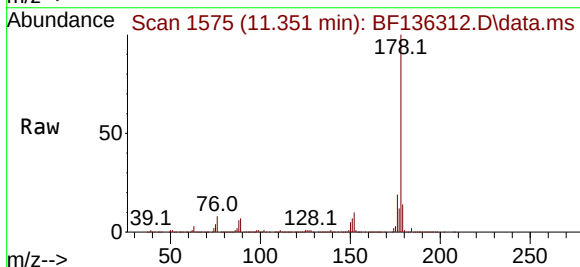
Tgt Ion:178 Resp: 453675

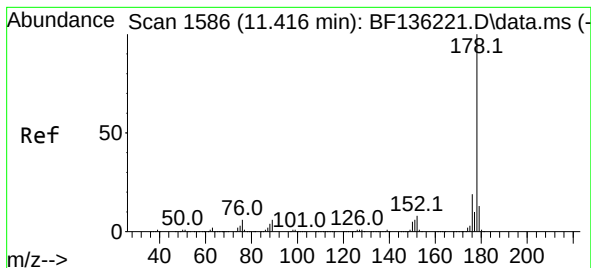
Ion Ratio Lower Upper

178 100

176 19.5 16.2 24.2

179 14.1 10.3 15.5





#72

Anthracene

Concen: 3.763 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136312.D

Acq: 30 Nov 2023 14:20

Instrument :

BNA_F

ClientSampleId :

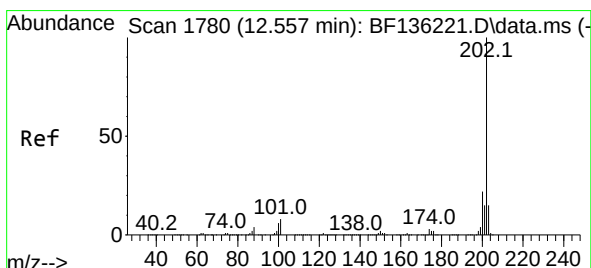
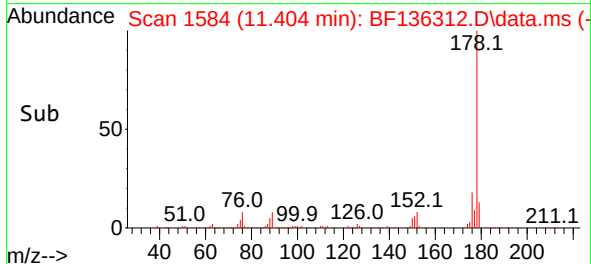
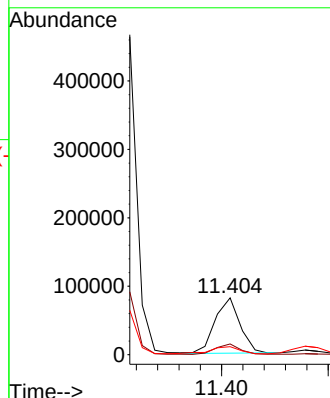
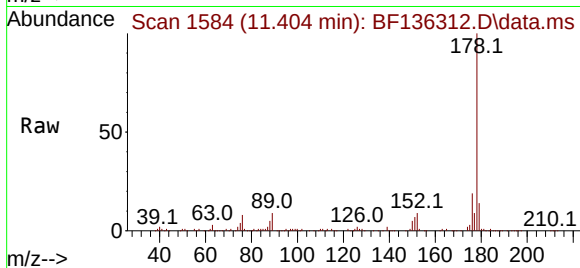
Tgt Ion:178 Resp: 65754

Ion Ratio Lower Upper

178 100

176 18.8 15.5 23.3

179 14.2 10.5 15.7



#75

Fluoranthene

Concen: 10.733 ng

RT: 12.545 min Scan# 1778

Delta R.T. -0.012 min

Lab File: BF136312.D

Acq: 30 Nov 2023 14:20

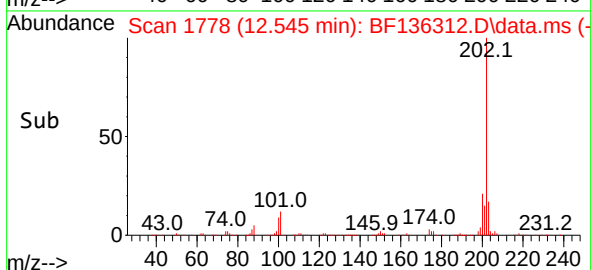
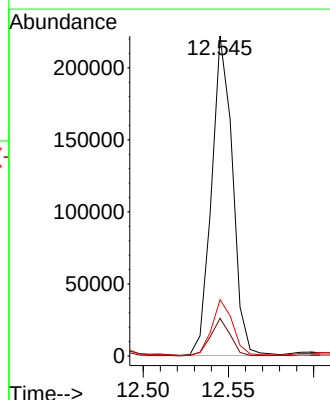
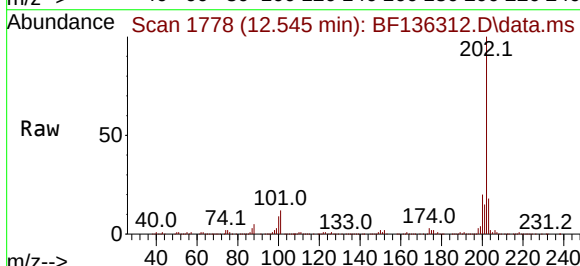
Tgt Ion:202 Resp: 189843

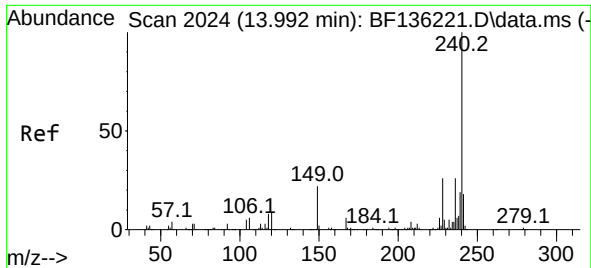
Ion Ratio Lower Upper

202 100

101 11.7 0.0 27.8

203 17.6 0.0 34.5

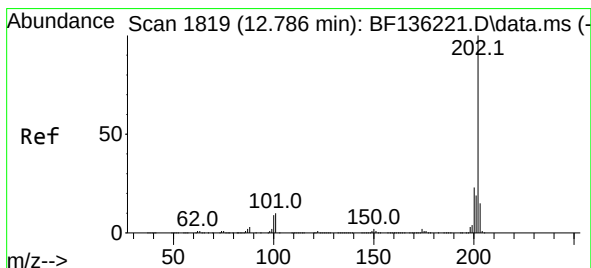
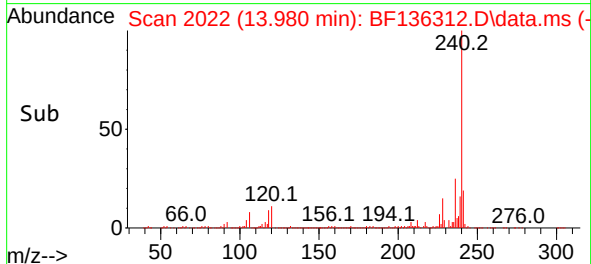
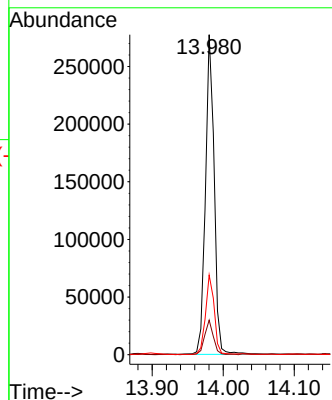
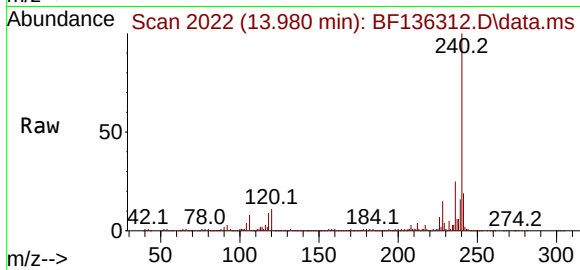




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136312.D
Acq: 30 Nov 2023 14:20

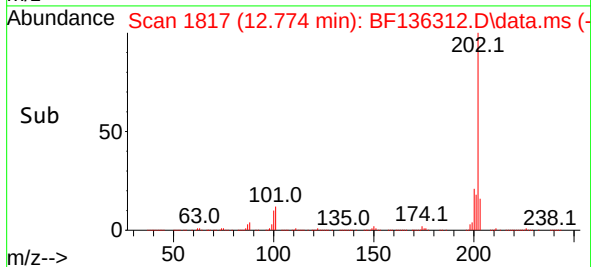
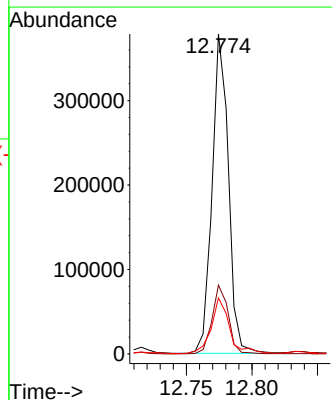
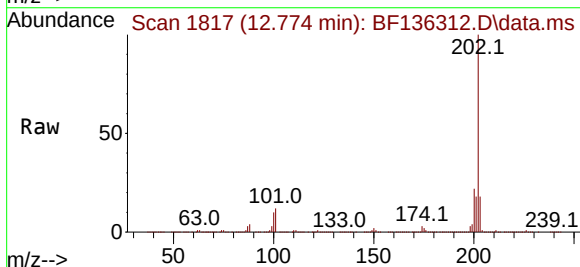
Instrument :
BNA_F
ClientSampleId :

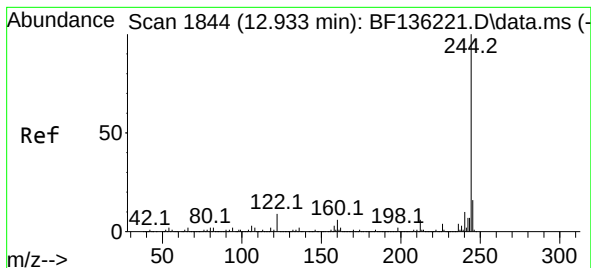
Tgt Ion:240 Resp: 237600
Ion Ratio Lower Upper
240 100
120 10.8 7.4 11.2
236 24.9 21.1 31.7



#78
Pyrene
Concen: 12.578 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.012 min
Lab File: BF136312.D
Acq: 30 Nov 2023 14:20

Tgt Ion:202 Resp: 327298
Ion Ratio Lower Upper
202 100
200 21.5 18.4 27.6
203 17.5 11.8 17.6





#79

Terphenyl-d14

Concen: 1.103 ng

RT: 12.921 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136312.D

Acq: 30 Nov 2023 14:20

Instrument :

BNA_F

ClientSampleId :

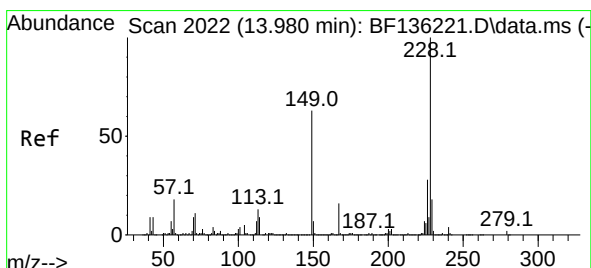
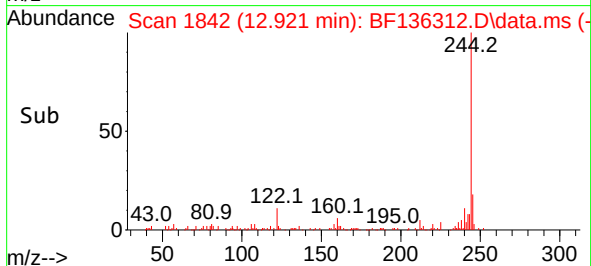
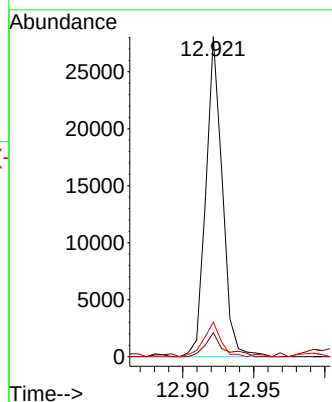
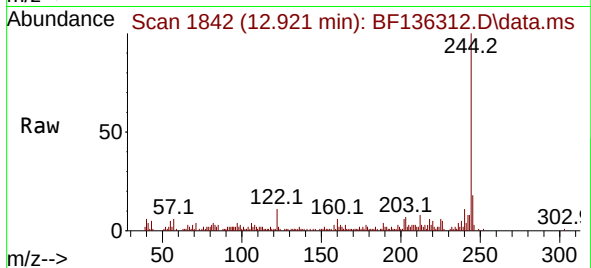
Tgt Ion:244 Resp: 22725

Ion Ratio Lower Upper

244 100

212 7.5 4.6 7.0#

122 10.8 7.3 10.9



#81

Benzo(a)anthracene

Concen: 7.270 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.012 min

Lab File: BF136312.D

Acq: 30 Nov 2023 14:20

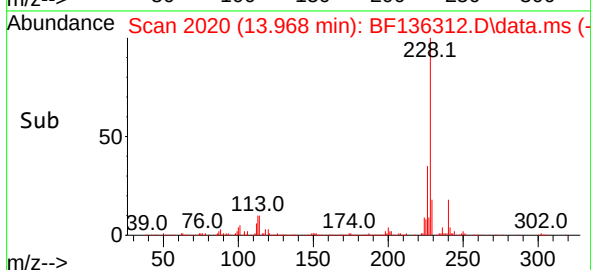
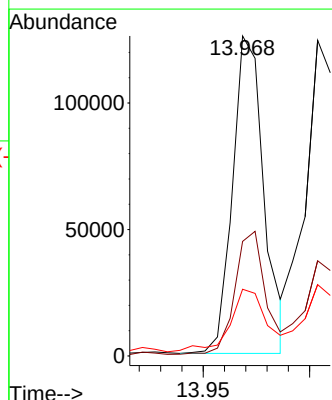
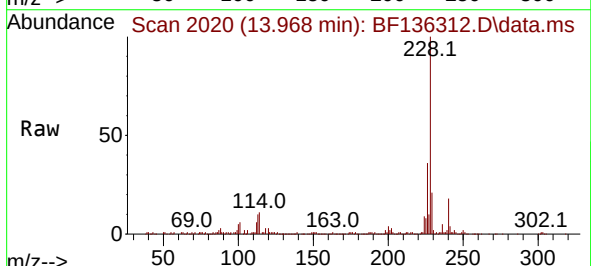
Tgt Ion:228 Resp: 128304

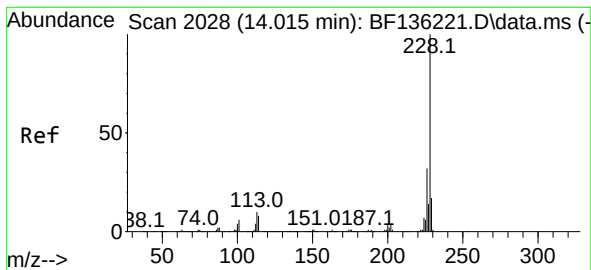
Ion Ratio Lower Upper

228 100

226 35.8 22.6 34.0#

229 20.8 14.0 21.0





#83

Chrysene

Concen: 7.530 ng

RT: 13.968 min Scan# 2028

Delta R.T. -0.047 min

Lab File: BF136312.D

Acq: 30 Nov 2023 14:20

Instrument :

BNA_F

ClientSampleId :

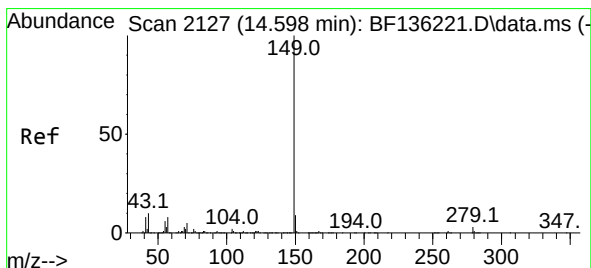
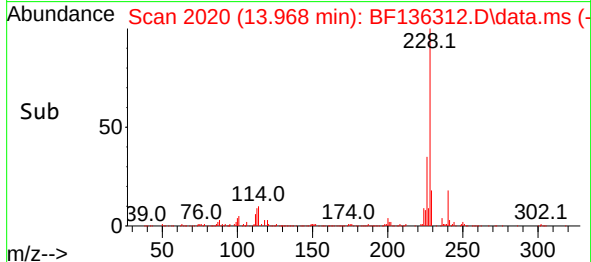
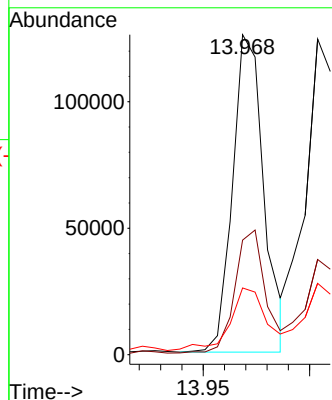
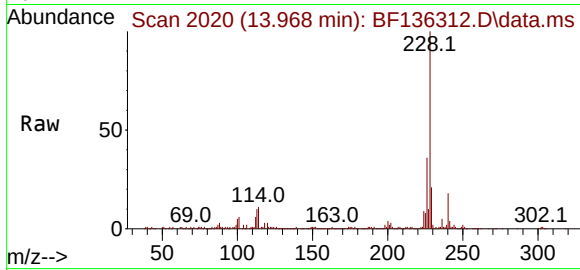
Tgt Ion:228 Resp: 128304

Ion Ratio Lower Upper

228 100

226 35.8 25.5 38.3

229 20.8 13.9 20.9



#85

Di-n-octyl phthalate

Concen: 5.191 ng

RT: 14.586 min Scan# 2125

Delta R.T. -0.012 min

Lab File: BF136312.D

Acq: 30 Nov 2023 14:20

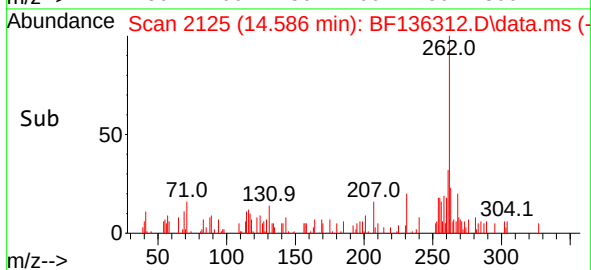
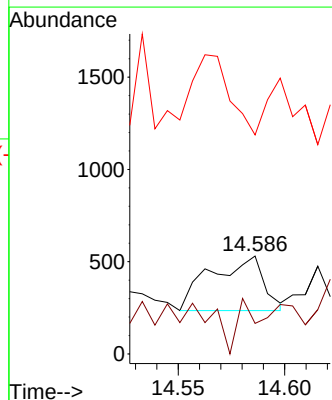
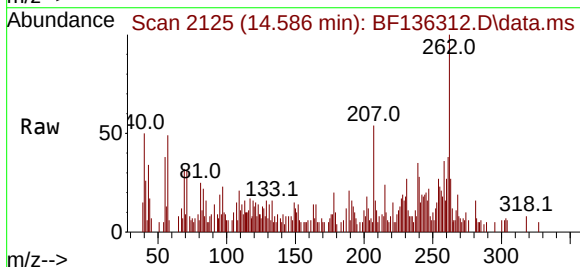
Tgt Ion:149 Resp: 510

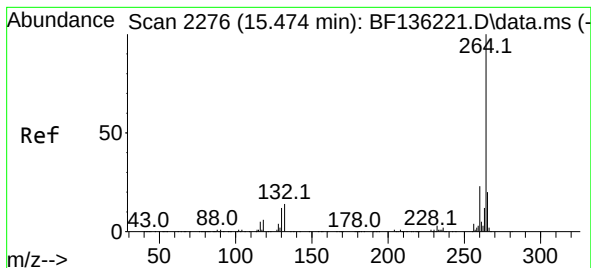
Ion Ratio Lower Upper

149 100

167 93.5 1.0 1.6#

43 82.4 7.2 10.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136312.D

Acq: 30 Nov 2023 14:20

Instrument :

BNA_F

ClientSampleId :

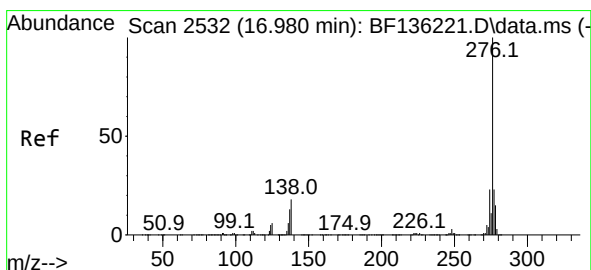
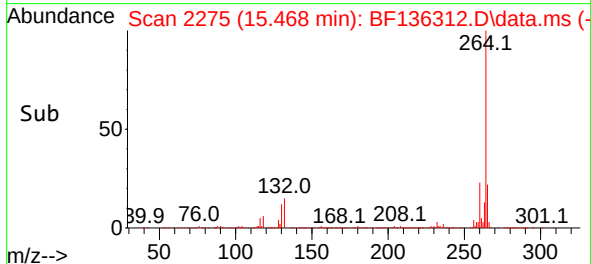
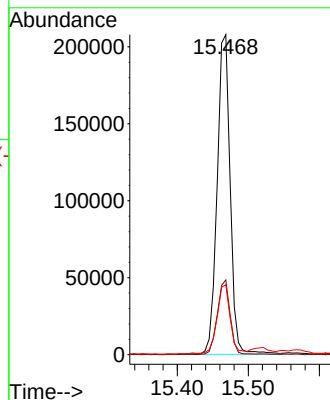
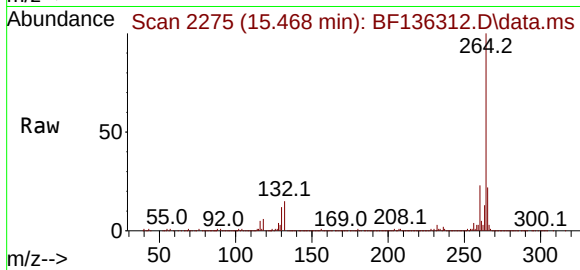
Tgt Ion:264 Resp: 264609

Ion Ratio Lower Upper

264 100

260 23.3 18.6 27.8

265 21.9 15.7 23.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.400 ng

RT: 16.957 min Scan# 2528

Delta R.T. -0.023 min

Lab File: BF136312.D

Acq: 30 Nov 2023 14:20

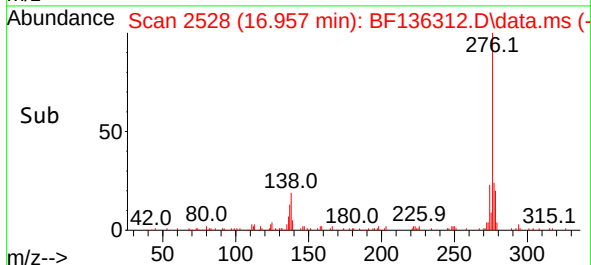
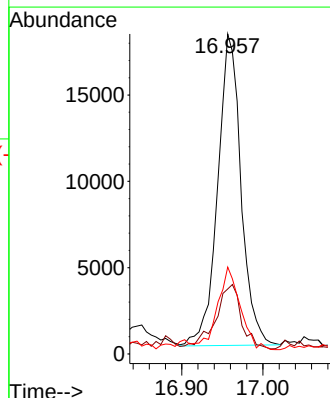
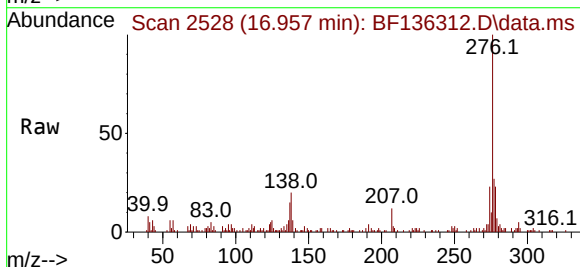
Tgt Ion:276 Resp: 36058

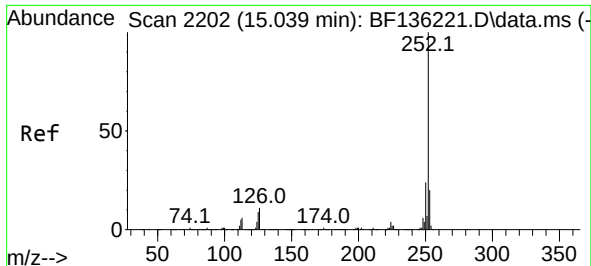
Ion Ratio Lower Upper

276 100

138 23.0 17.7 26.5

277 25.9 19.6 29.4

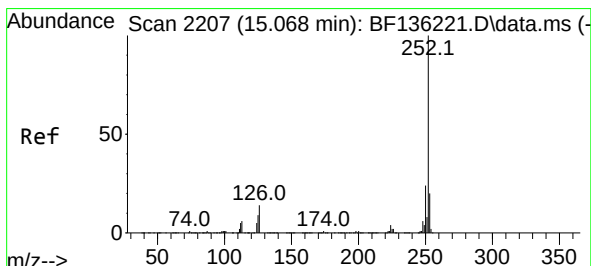
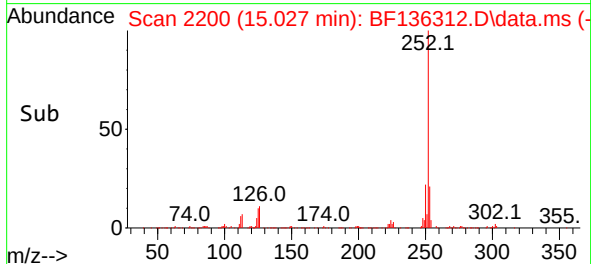
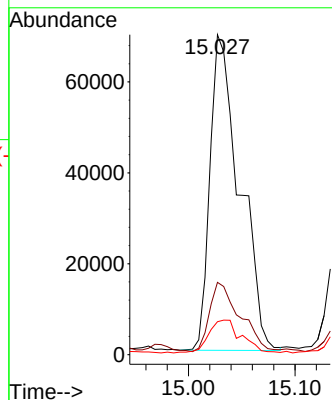
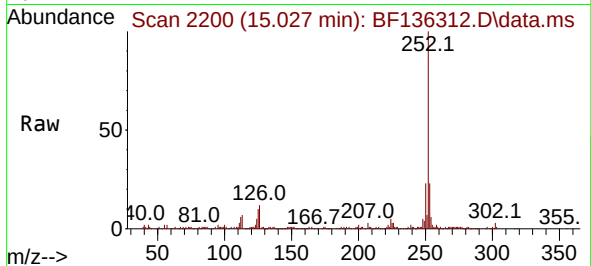




#88
Benzo(b)fluoranthene
Concen: 7.270 ng
RT: 15.027 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136312.D
Acq: 30 Nov 2023 14:20

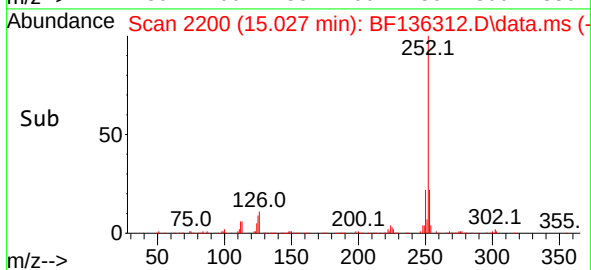
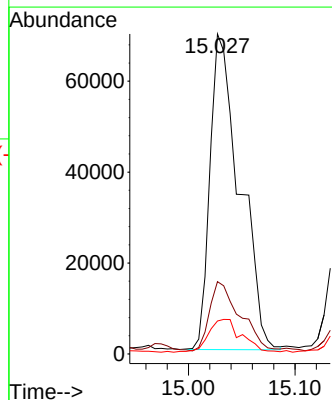
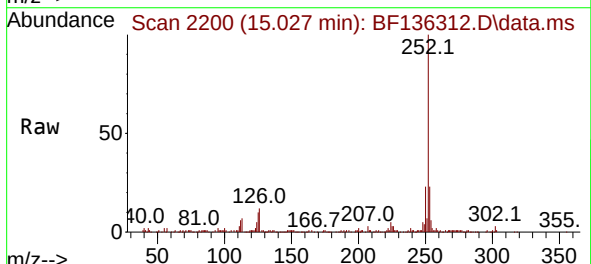
Instrument :
BNA_F
ClientSampleId :

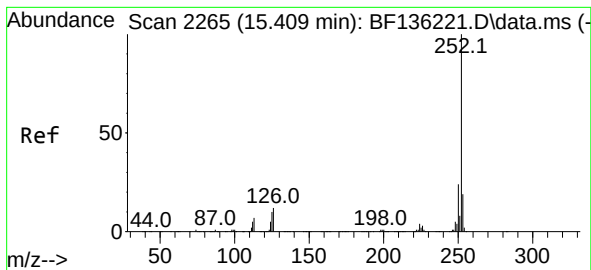
Tgt Ion:252 Resp: 134963
Ion Ratio Lower Upper
252 100
253 22.6 16.2 24.2
125 10.3 6.9 10.3



#89
Benzo(k)fluoranthene
Concen: 7.654 ng
RT: 15.027 min Scan# 2200
Delta R.T. -0.041 min
Lab File: BF136312.D
Acq: 30 Nov 2023 14:20

Tgt Ion:252 Resp: 134963
Ion Ratio Lower Upper
252 100
253 22.6 15.6 23.4
125 10.3 7.0 10.4





#90

Benzo(a)pyrene

Concen: 7.421 ng

RT: 15.398 min Scan# 21

Delta R.T. -0.011 min

Lab File: BF136312.D

Acq: 30 Nov 2023 14:20

Instrument :

BNA_F

ClientSampleId :

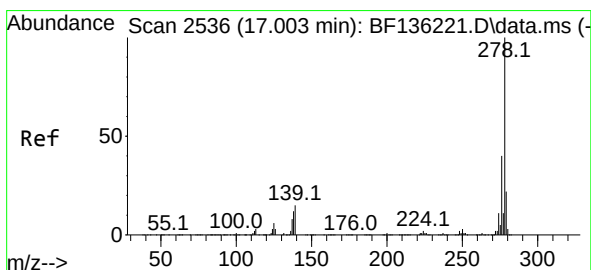
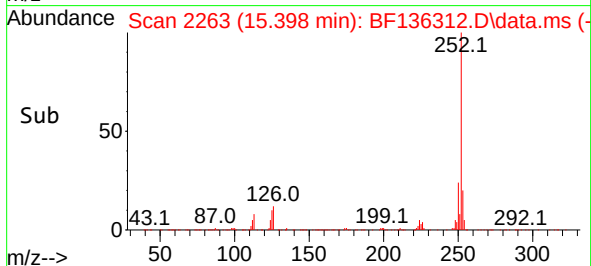
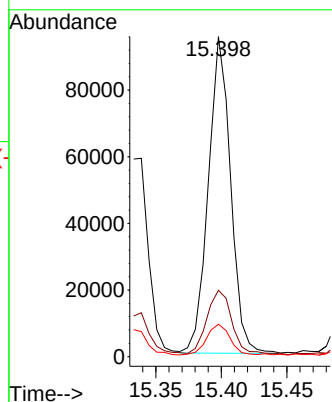
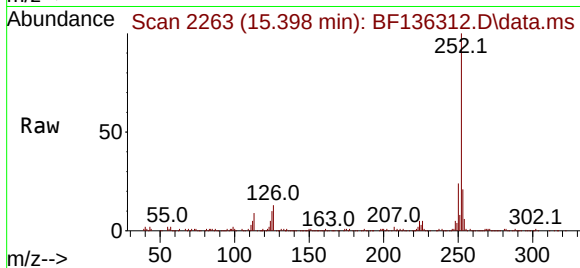
Tgt Ion:252 Resp: 112620

Ion Ratio Lower Upper

252 100

253 20.8 15.5 23.3

125 10.2 7.9 11.9



#91

Dibenzo(a,h)anthracene

Concen: 3.267 ng

RT: 17.151 min Scan# 2561

Delta R.T. 0.148 min

Lab File: BF136312.D

Acq: 30 Nov 2023 14:20

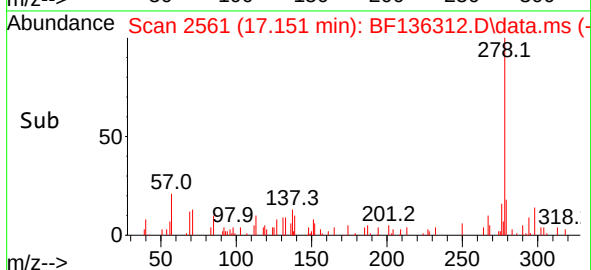
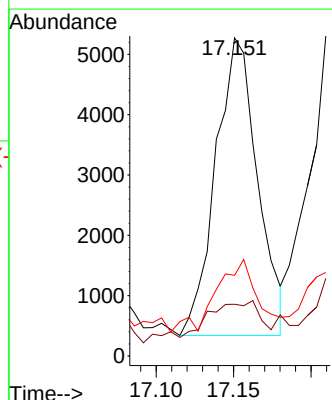
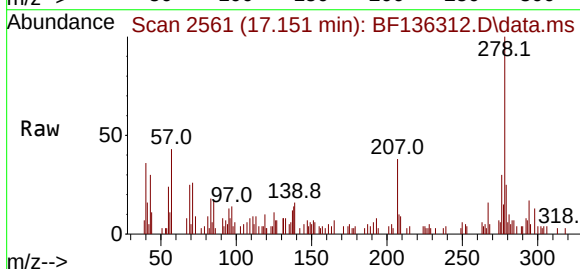
Tgt Ion:278 Resp: 9307

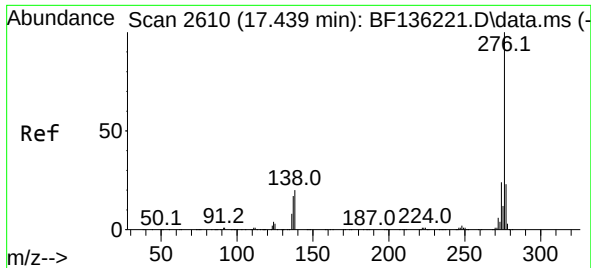
Ion Ratio Lower Upper

278 100

139 16.2 11.7 17.5

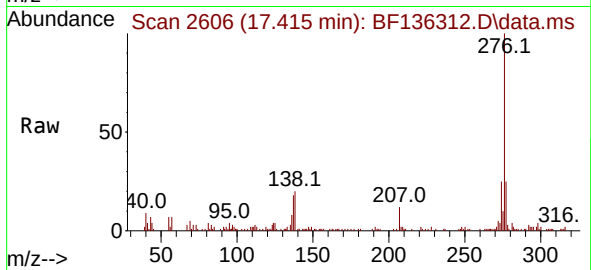
279 25.4 17.8 26.8





#92
 Benzo(g,h,i)perylene
 Concen: 4.301 ng
 RT: 17.415 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF136312.D
 Acq: 30 Nov 2023 14:20

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:	276	Resp:	39815
Ion Ratio	Lower	Upper	
276	100		
277	25.2	18.6	27.8
138	20.0	15.8	23.8

