

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
 Data File : BF136311.D
 Acq On : 30 Nov 2023 13:48
 Operator : CG\JU
 Sample : 05492-01DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 30 14:09:05 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)

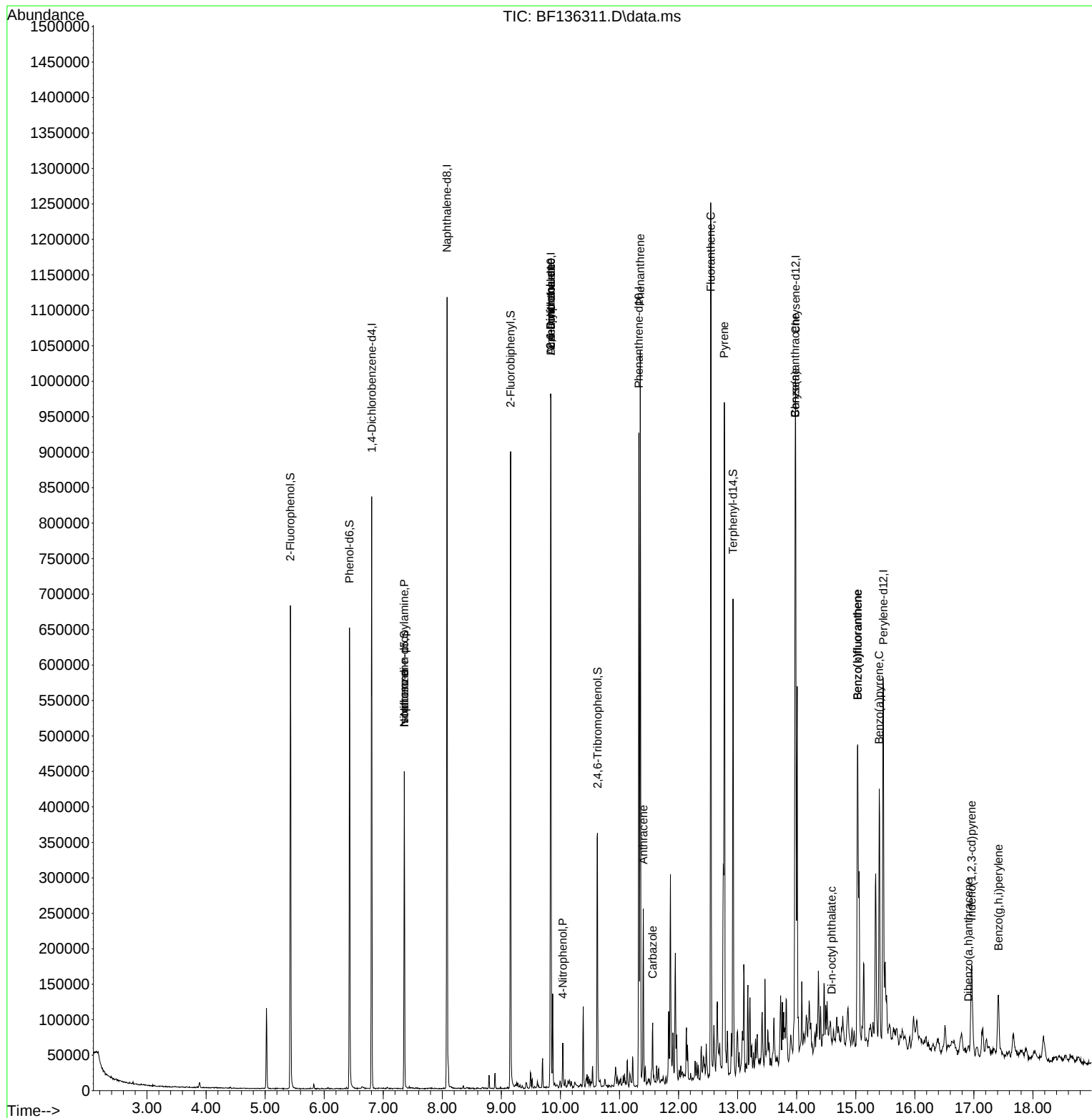
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	111964	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	450875	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	205368	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	314630	20.000	ng	0.00
76) Chrysene-d12	13.980	240	223862	20.000	ng	#-0.01
86) Perylene-d12	15.468	264	247822	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	175582	21.827	ng	-0.01
7) Phenol-d6	6.428	99	208932	20.772	ng	-0.02
23) Nitrobenzene-d5	7.357	82	124891	14.637	ng	-0.02
42) 2,4,6-Tribromophenol	10.627	330	45116	17.969	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	257685	16.027	ng	-0.01
79) Terphenyl-d14	12.921	244	205917	10.610	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	16114	2.679	ng	# 73
25) Isophorone	7.357	82	124888	8.118	ng	# 68
50) Dimethylphthalate	9.839	163	43328	2.791	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	26345	8.308	ng	# 25
56) 4-Nitrophenol	10.039	139	5856	2.451	ng	# 5
57) 2,4-Dinitrotoluene	9.833	165	26345	6.220	ng	# 28
71) Phenanthrene	11.351	178	361436	20.439	ng	97
72) Anthracene	11.404	178	86649	4.886	ng	98
73) Carbazole	11.563	167	32228	2.137	ng	95
75) Fluoranthene	12.545	202	494309	27.535	ng	94
78) Pyrene	12.774	202	390408	15.924	ng	97
81) Benzo(a)anthracene	13.974	228	229705	13.815	ng	98
83) Chrysene	13.974	228	229705	14.308	ng	95
85) Di-n-octyl phthalate	14.592	149	286	5.180	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.962	276	86648	7.096	ng	97
88) Benzo(b)fluoranthene	15.033	252	337862	19.432	ng	# 96
89) Benzo(k)fluoranthene	15.033	252	337862	20.460	ng	# 95
90) Benzo(a)pyrene	15.398	252	174172	12.254	ng	94
91) Dibenzo(a,h)anthracene	16.909	278	5636	3.071	ng	97
92) Benzo(g,h,i)perylene	17.415	276	76338	6.815	ng	97

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

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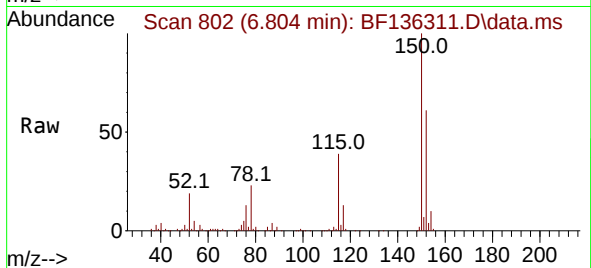
Quant Time: Nov 30 14:09:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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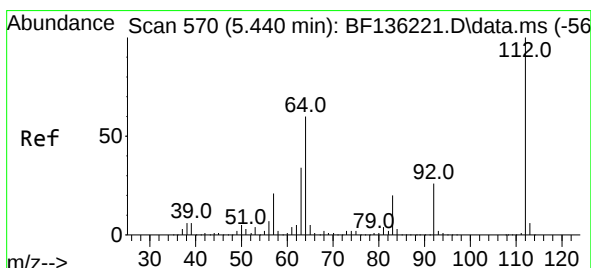
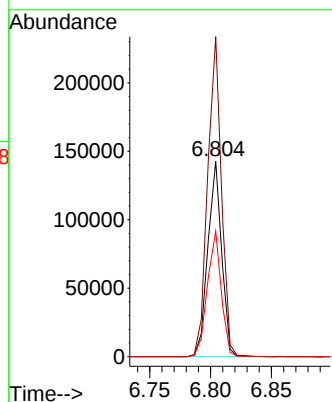
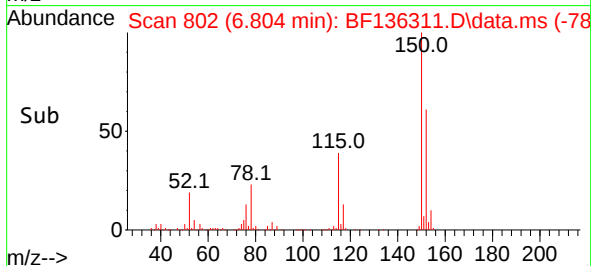


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

Instrument :
BNA_F
ClientSampleId :

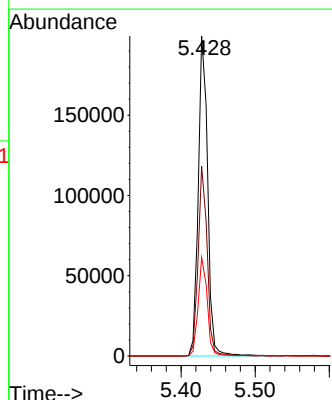
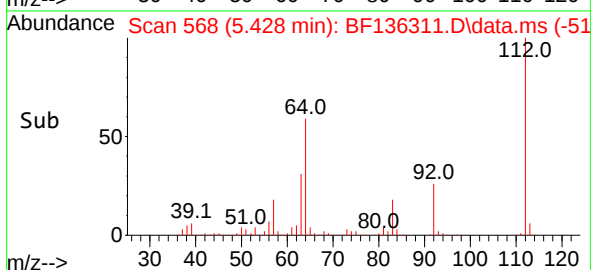
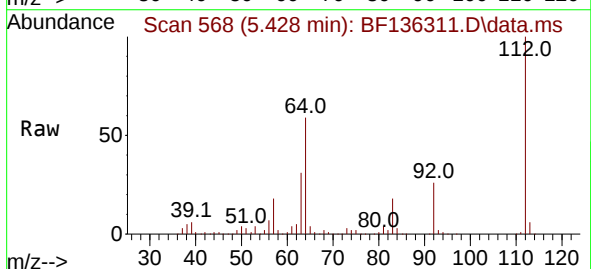


Tgt Ion:152 Resp: 111964
Ion Ratio Lower Upper
152 100
150 163.6 137.8 206.8
115 64.1 52.7 79.1



#5
2-Fluorophenol
Concen: 21.827 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.012 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

Tgt Ion:112 Resp: 175582
Ion Ratio Lower Upper
112 100
64 59.2 48.2 72.4
63 30.8 27.0 40.6

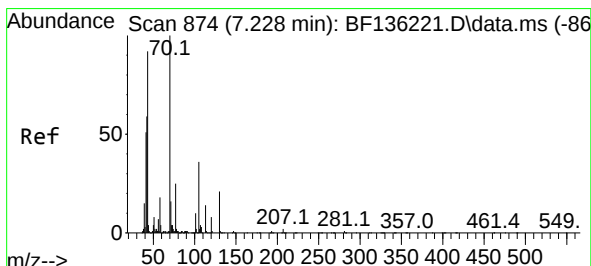
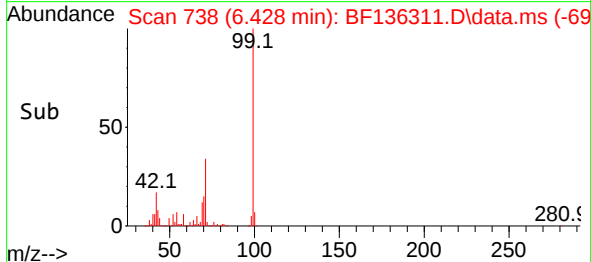
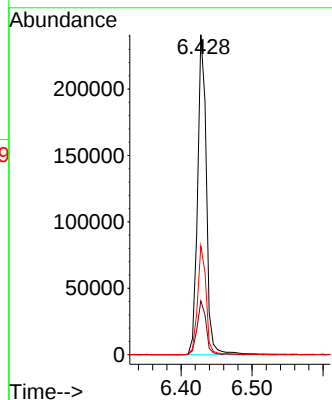
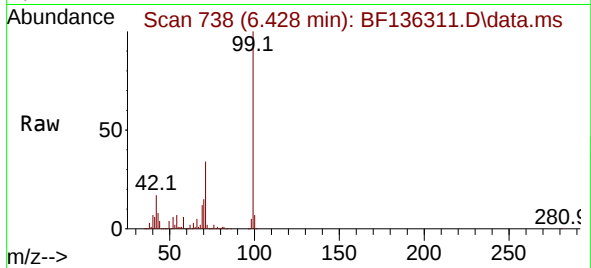




#7
Phenol-d6
Concen: 20.772 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

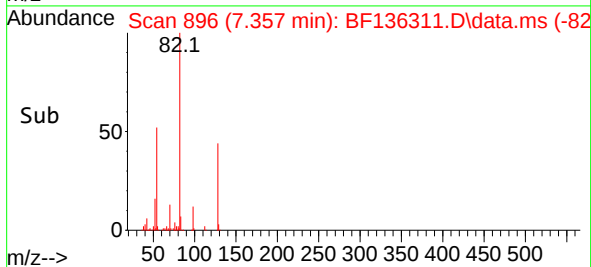
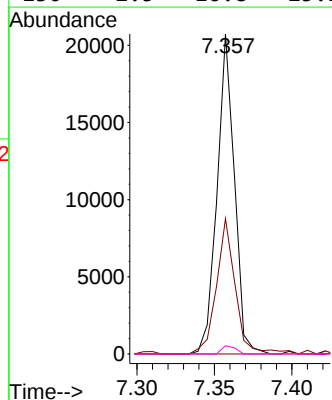
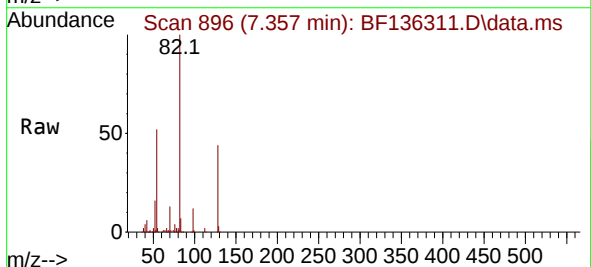
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 208932
Ion Ratio Lower Upper
99 100
42 16.8 15.0 22.6
71 34.0 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 2.679 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.129 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

Tgt Ion: 70 Resp: 16114
Ion Ratio Lower Upper
70 100
42 42.3 47.0 70.4#
101 0.0 7.8 11.8#
130 2.5 16.8 25.2#



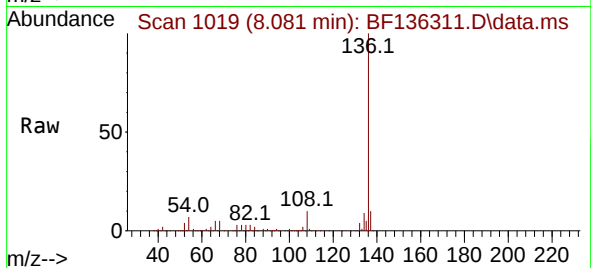


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

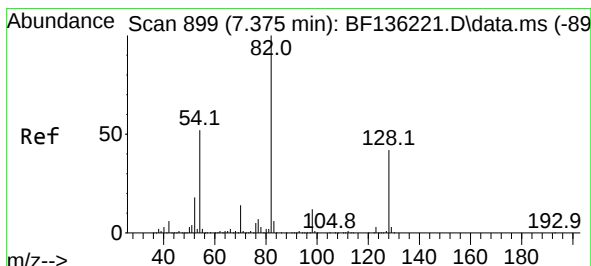
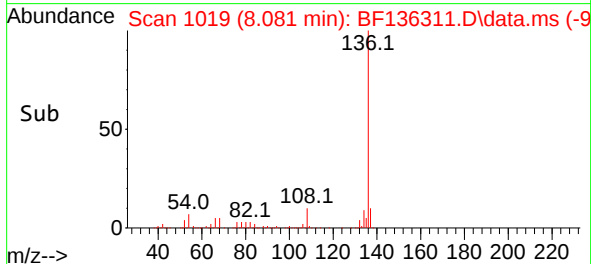
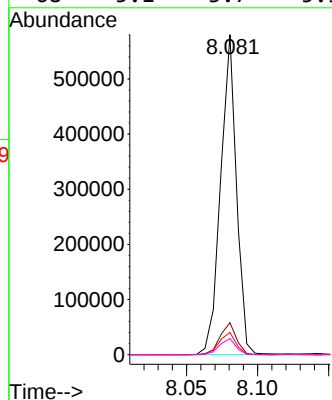
Instrument :

BNA_F

ClientSampleId :

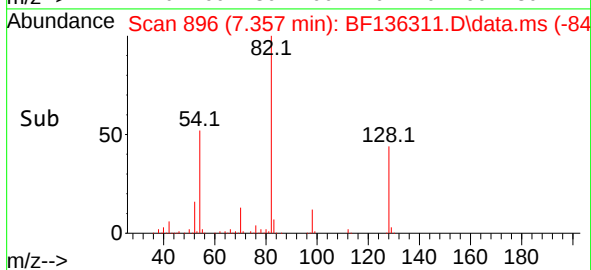
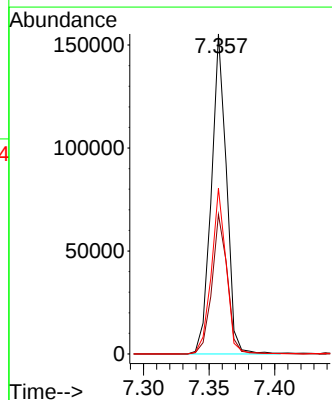
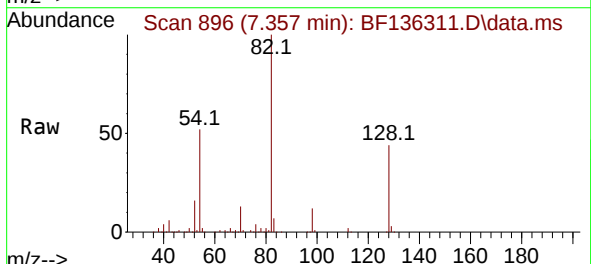


Tgt Ion:136 Resp: 450875
Ion Ratio Lower Upper
136 100
137 10.0 7.4 11.2
54 7.0 5.5 8.3
68 5.1 3.7 5.5



#23
Nitrobenzene-d5
Concen: 14.637 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.018 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

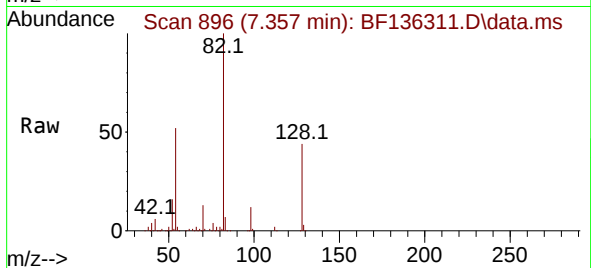
Tgt Ion: 82 Resp: 124891
Ion Ratio Lower Upper
82 100
128 43.6 33.4 50.2
54 51.7 41.7 62.5



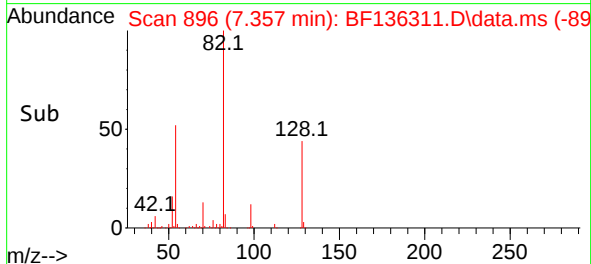
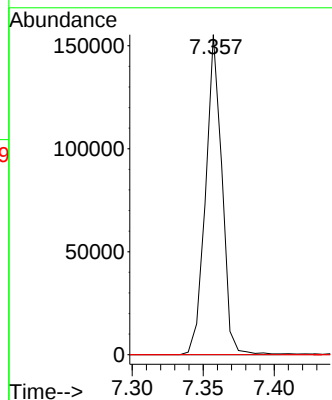


#25
Isophorone
Concen: 8.118 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.271 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

Instrument :
BNA_F
ClientSampleId :

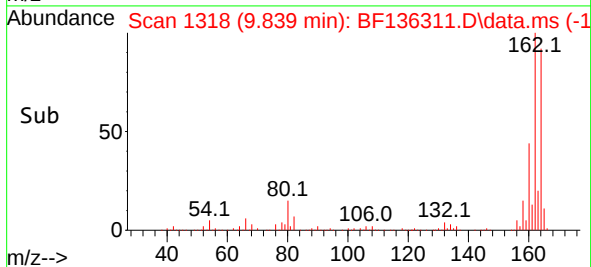
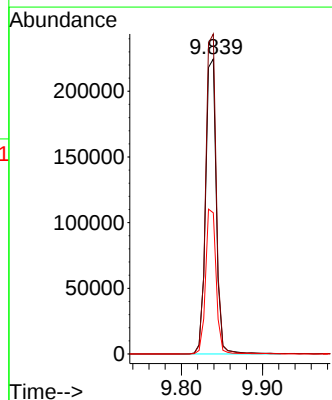
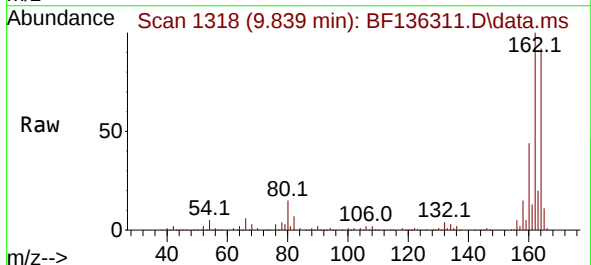


Tgt Ion: 82 Resp: 124888
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

Tgt Ion:164 Resp: 205368
Ion Ratio Lower Upper
164 100
162 108.4 89.5 134.3
160 47.8 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 17.969 ng

RT: 10.627 min Scan# 1454

Delta R.T. -0.012 min

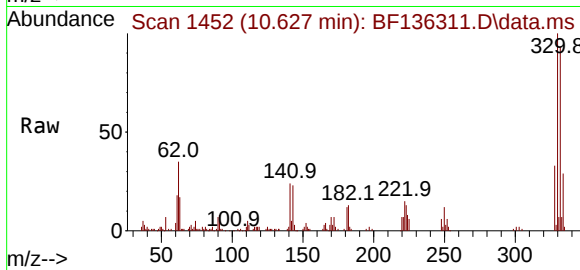
Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

Instrument :

BNA_F

ClientSampleId :



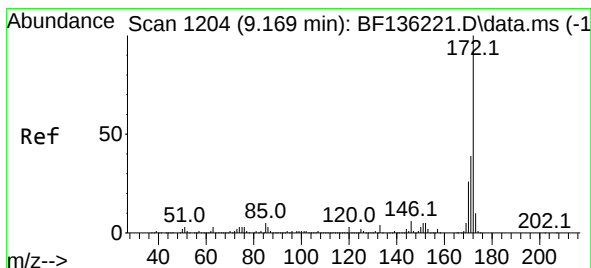
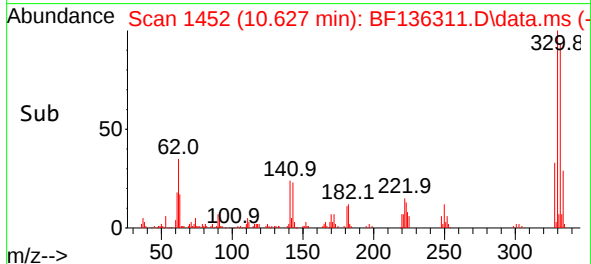
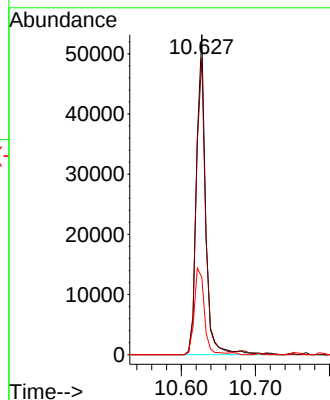
Tgt Ion:330 Resp: 45116

Ion Ratio Lower Upper

330 100

332 94.1 73.0 109.6

141 30.4 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 16.027 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.012 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

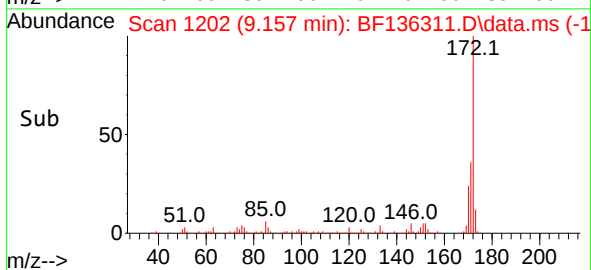
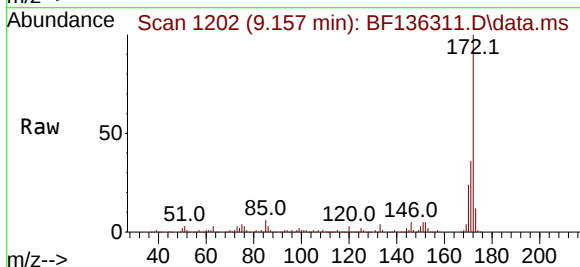
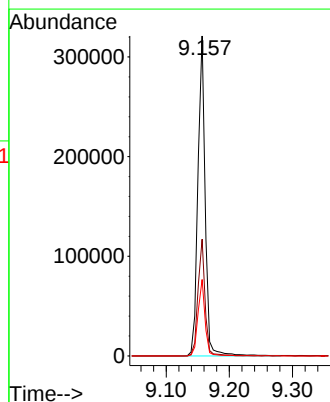
Tgt Ion:172 Resp: 257685

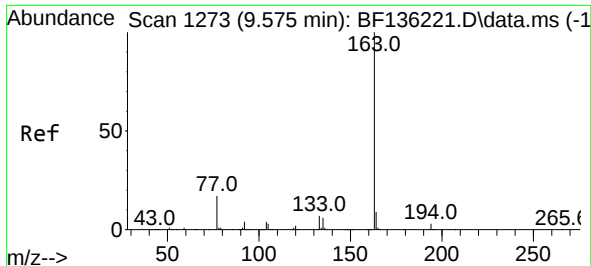
Ion Ratio Lower Upper

172 100

171 36.5 31.5 47.3

170 23.9 20.8 31.2

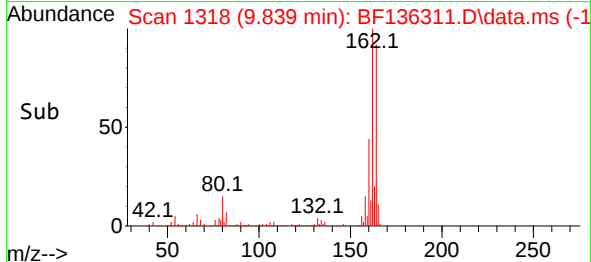
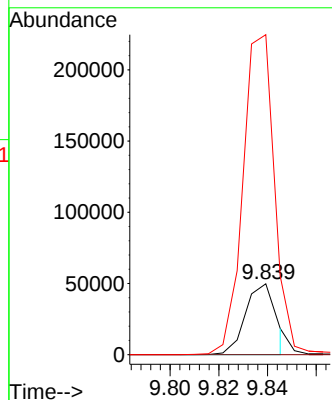
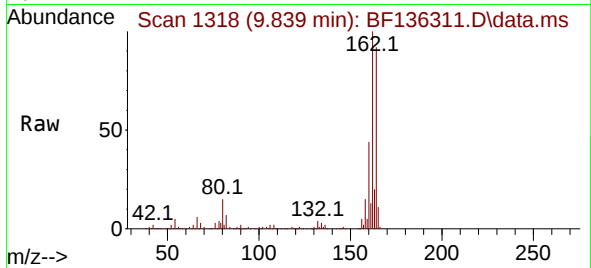




#50
Dimethylphthalate
Concen: 2.791 ng
RT: 9.839 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

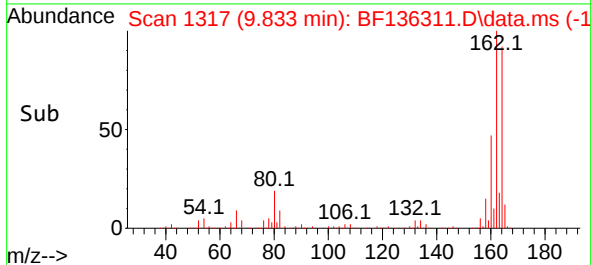
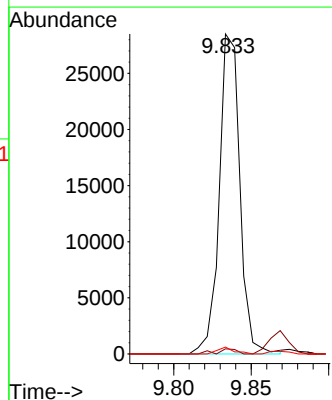
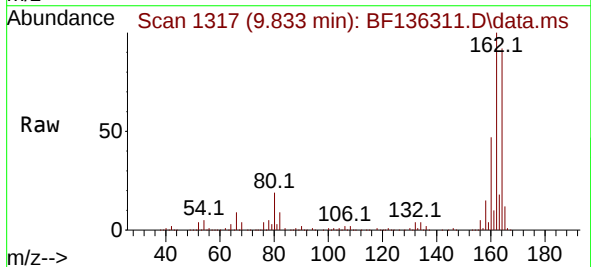
Instrument :
BNA_F
ClientSampleId :

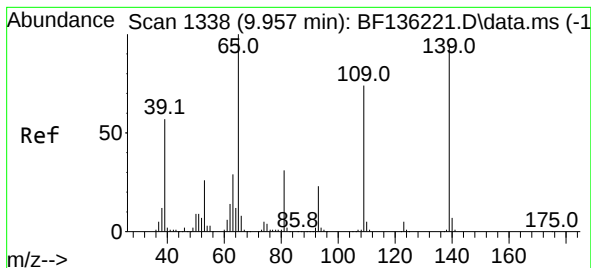
Tgt Ion:163 Resp: 43328
Ion Ratio Lower Upper
163 100
194 0.0 2.5 3.7#
164 451.1 7.0 10.6#



#51
2,6-Dinitrotoluene
Concen: 8.308 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.200 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

Tgt Ion:165 Resp: 26345
Ion Ratio Lower Upper
165 100
63 1.6 46.2 69.2#
89 2.1 44.9 67.3#





#56

4-Nitrophenol

Concen: 2.451 ng

RT: 10.039 min Scan# 11

Delta R.T. 0.082 min

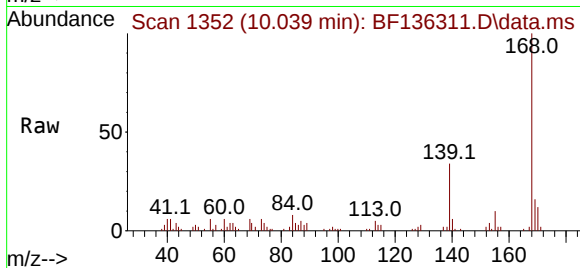
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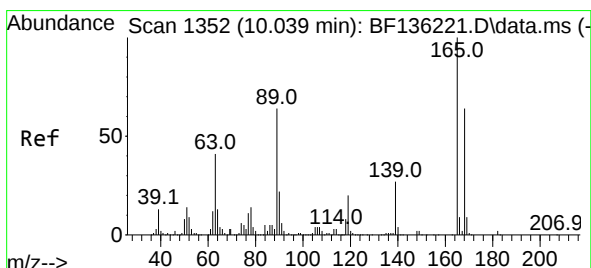
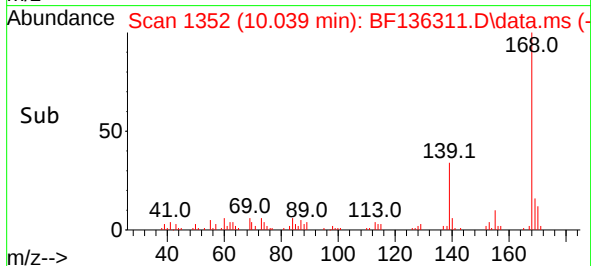
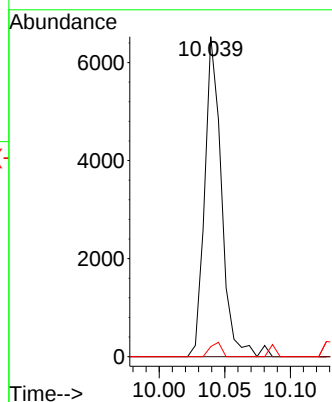
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:139	Resp:	5856
Ion Ratio	Lower	Upper
139	100	
109	0.0	57.8 97.8#
65	3.1	86.0 126.0#



#57

2,4-Dinitrotoluene

Concen: 6.220 ng

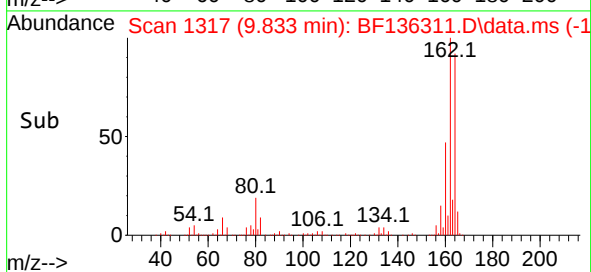
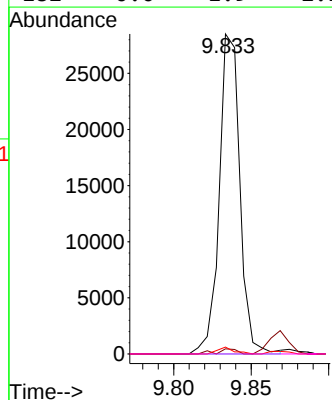
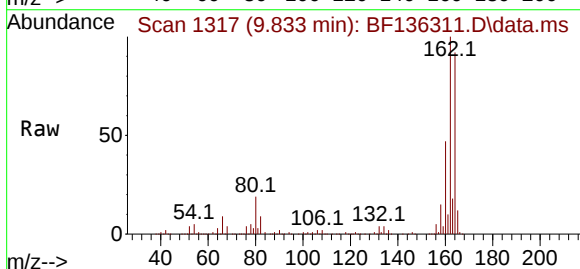
RT: 9.833 min Scan# 1317

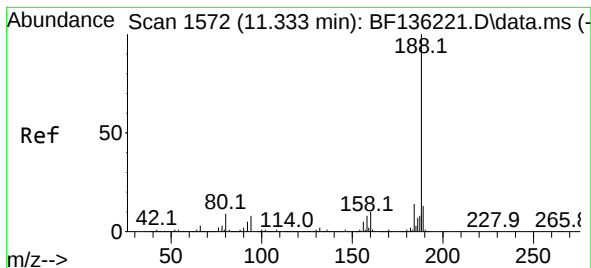
Delta R.T. -0.206 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

Tgt Ion:165	Resp:	26345
Ion Ratio	Lower	Upper
165	100	
63	1.6	33.0 49.4#
89	2.1	51.5 77.3#
182	0.0	1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

Instrument :

BNA_F

ClientSampleId :

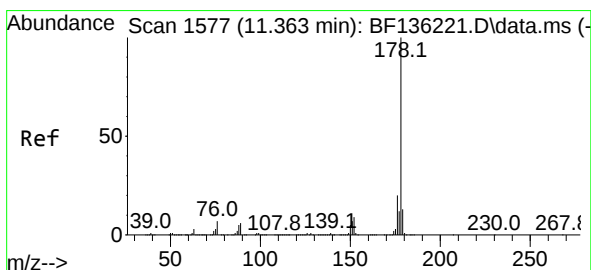
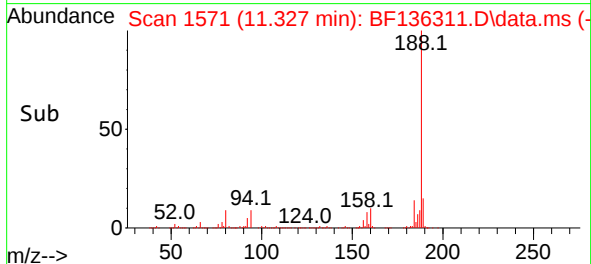
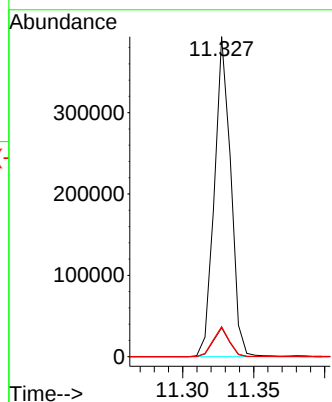
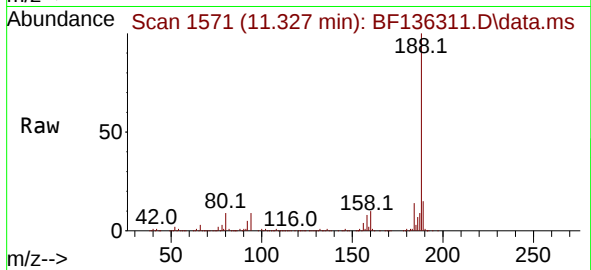
Tgt Ion:188 Resp: 314630

Ion Ratio Lower Upper

188 100

94 9.0 6.7 10.1

80 9.4 7.2 10.8



#71

Phenanthrene

Concen: 20.439 ng

RT: 11.351 min Scan# 1575

Delta R.T. -0.012 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

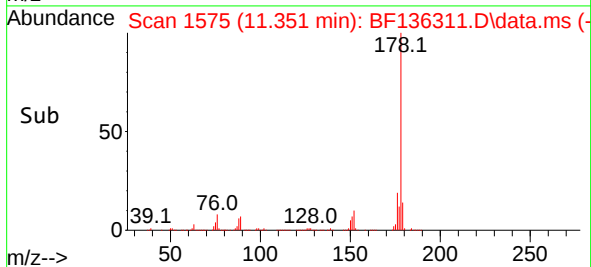
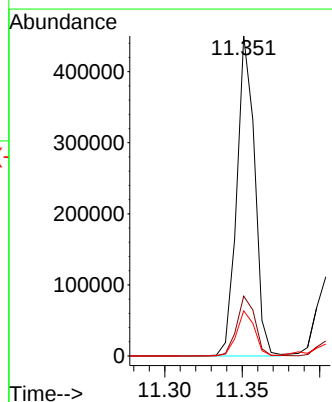
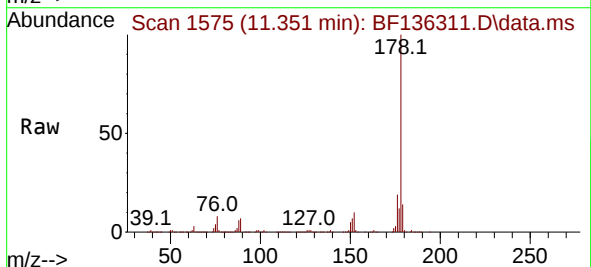
Tgt Ion:178 Resp: 361436

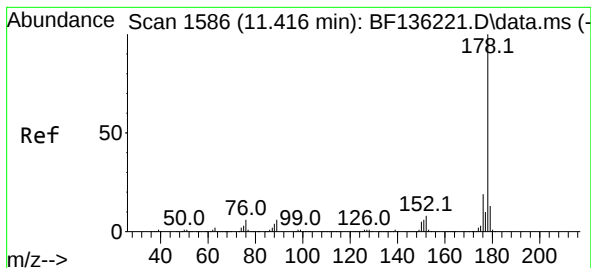
Ion Ratio Lower Upper

178 100

176 18.7 16.2 24.2

179 14.1 10.3 15.5





#72

Anthracene

Concen: 4.886 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

Instrument :

BNA_F

ClientSampleId :

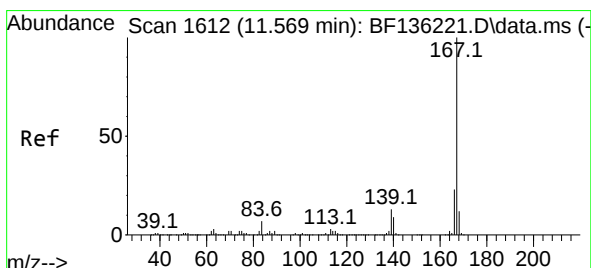
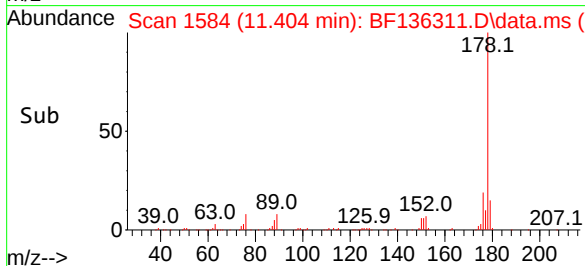
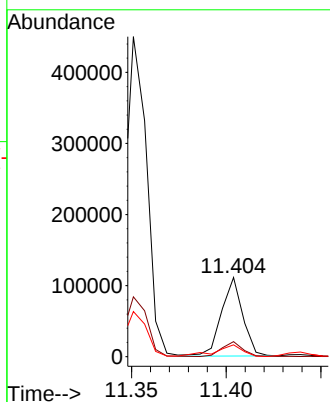
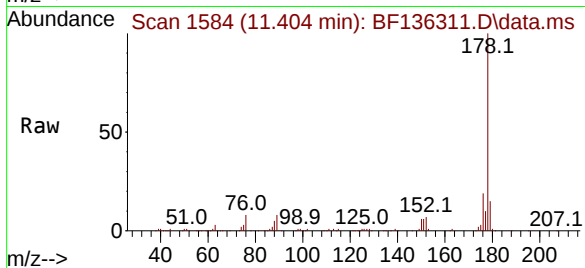
Tgt Ion:178 Resp: 86649

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 15.0 10.5 15.7



#73

Carbazole

Concen: 2.137 ng

RT: 11.563 min Scan# 1611

Delta R.T. -0.006 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

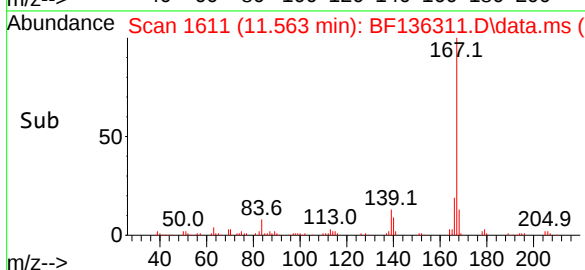
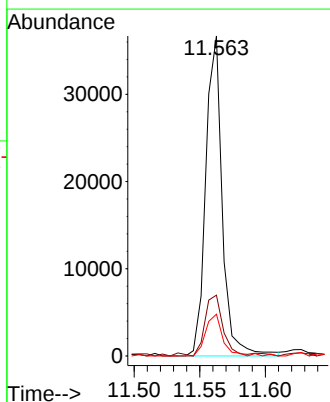
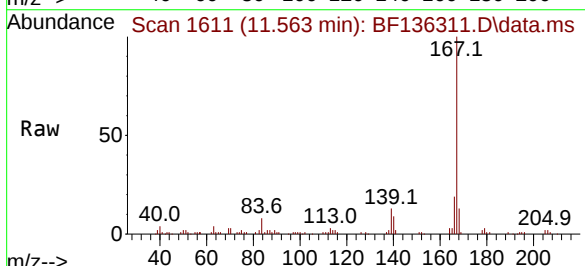
Tgt Ion:167 Resp: 32228

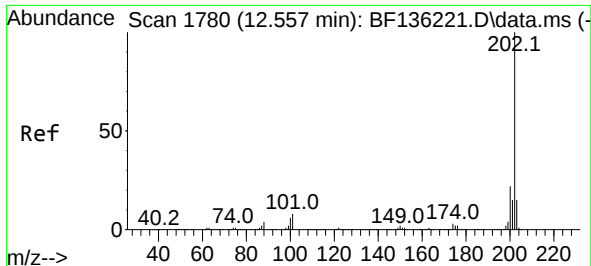
Ion Ratio Lower Upper

167 100

166 19.0 18.4 27.6

139 13.0 10.5 15.7

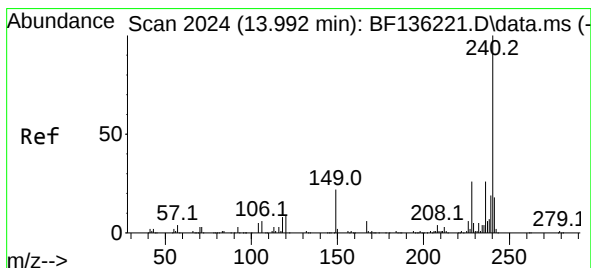
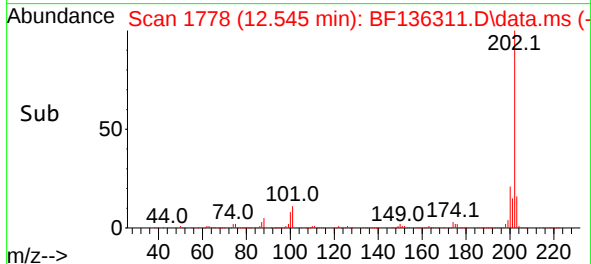
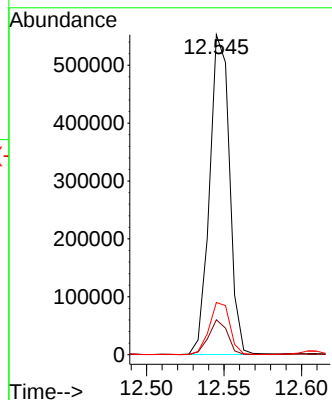
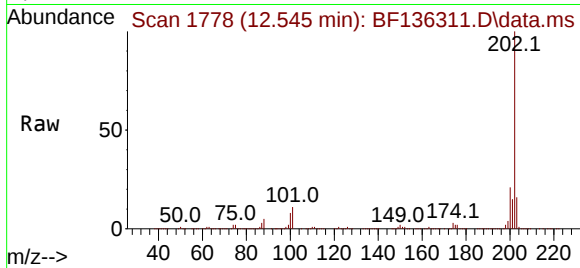




#75
Fluoranthene
Concen: 27.535 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

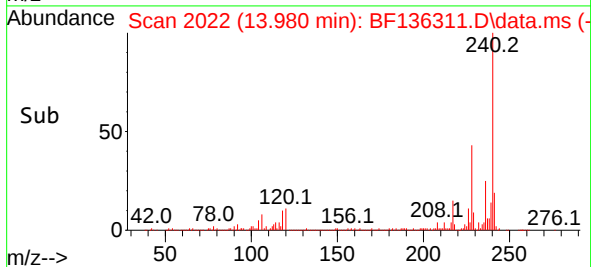
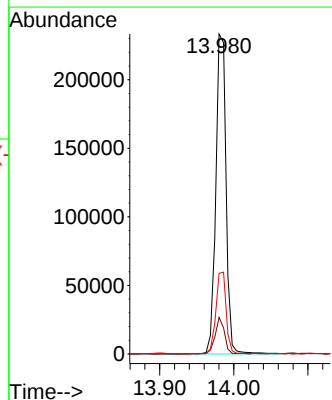
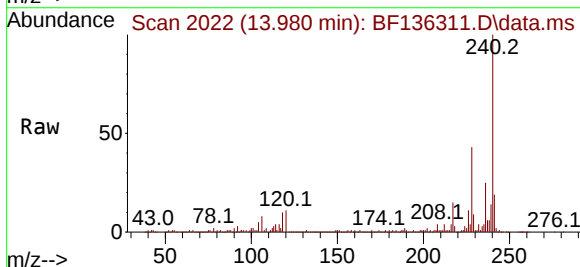
Instrument :
BNA_F
ClientSampleId :

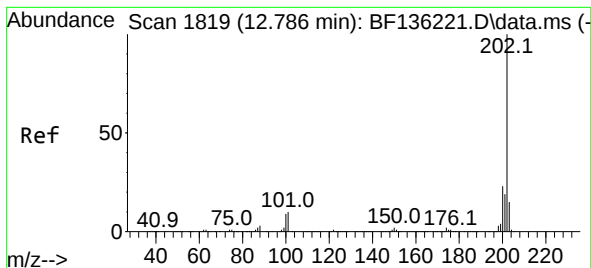
Tgt Ion:202 Resp: 494309
Ion Ratio Lower Upper
202 100
101 10.9 0.0 27.8
203 16.3 0.0 34.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

Tgt Ion:240 Resp: 223862
Ion Ratio Lower Upper
240 100
120 11.4 7.4 11.2#
236 25.2 21.1 31.7





#78

Pyrene

Concen: 15.924 ng

RT: 12.774 min Scan# 1817

Delta R.T. -0.012 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

Instrument :

BNA_F

ClientSampleId :

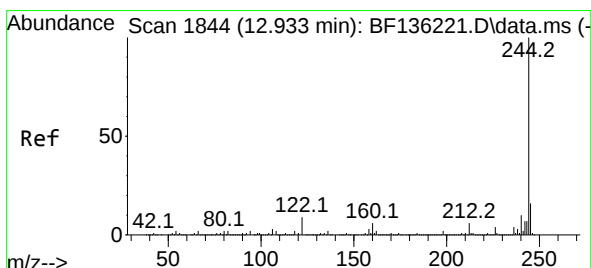
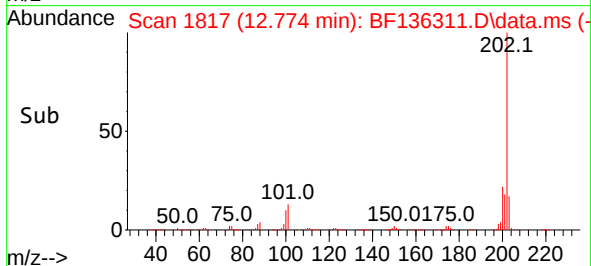
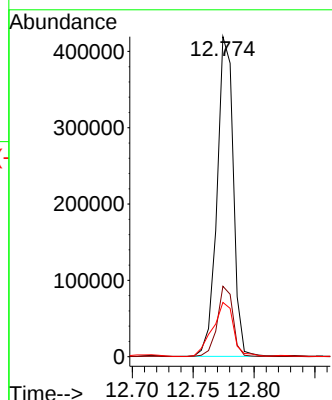
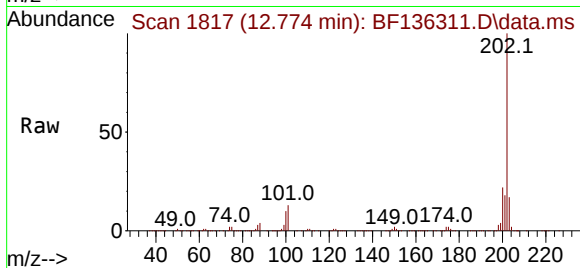
Tgt Ion:202 Resp: 390408

Ion Ratio Lower Upper

202 100

200 22.0 18.4 27.6

203 17.0 11.8 17.6



#79

Terphenyl-d14

Concen: 10.610 ng

RT: 12.921 min Scan# 1842

Delta R.T. -0.012 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

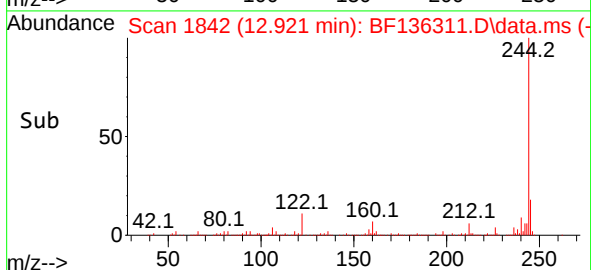
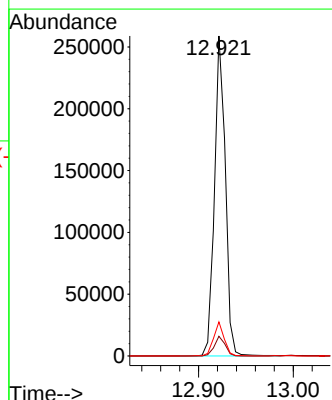
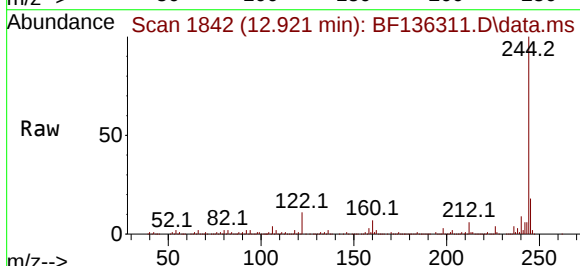
Tgt Ion:244 Resp: 205917

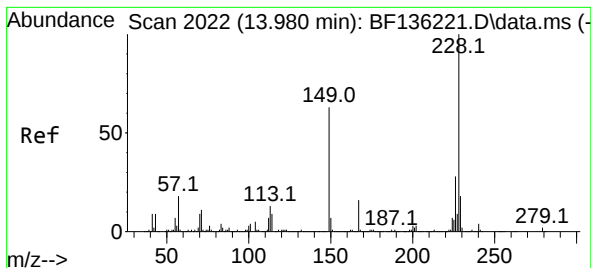
Ion Ratio Lower Upper

244 100

212 6.1 4.6 7.0

122 10.7 7.3 10.9





#81

Benzo(a)anthracene

Concen: 13.815 ng

RT: 13.974 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

Instrument :

BNA_F

ClientSampleId :

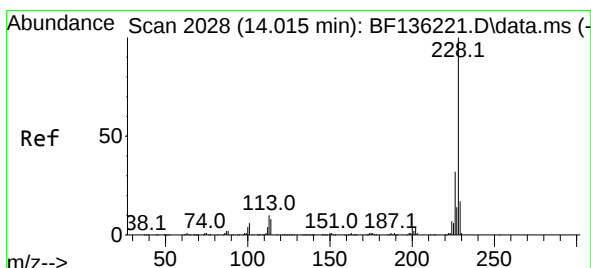
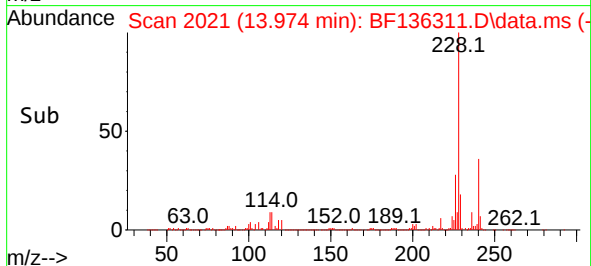
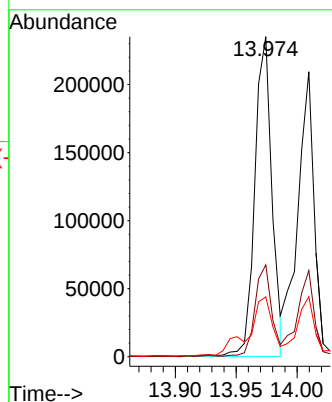
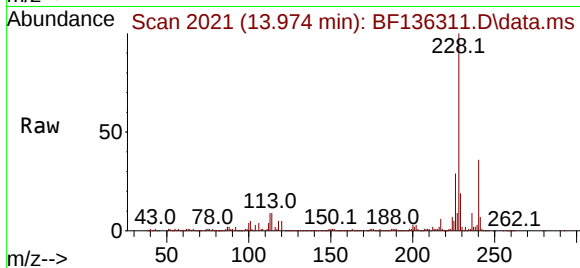
Tgt Ion:228 Resp: 229705

Ion Ratio Lower Upper

228 100

226 28.7 22.6 34.0

229 18.7 14.0 21.0



#83

Chrysene

Concen: 14.308 ng

RT: 13.974 min Scan# 2021

Delta R.T. -0.041 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

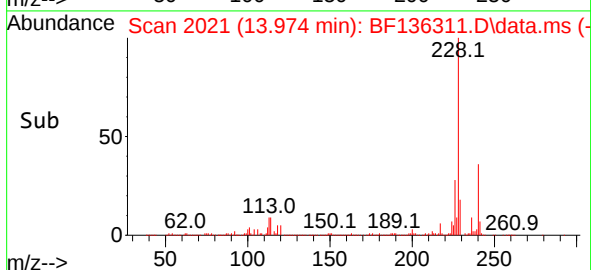
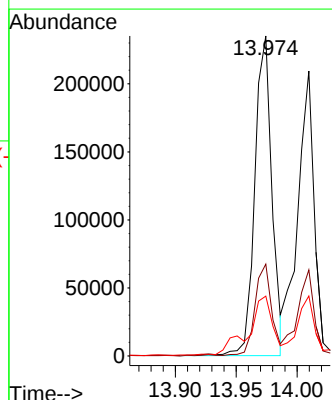
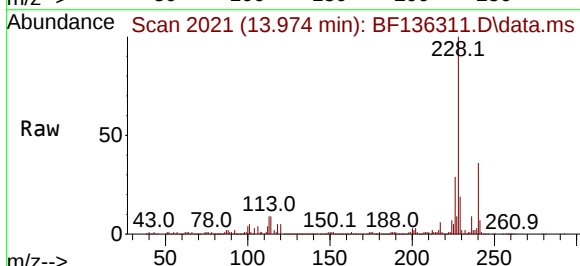
Tgt Ion:228 Resp: 229705

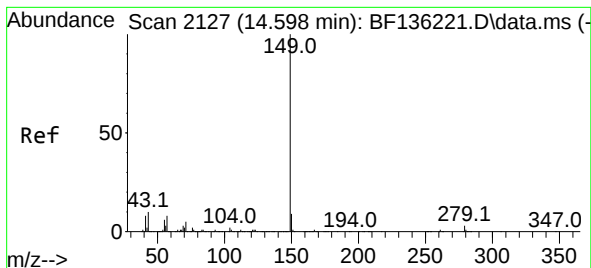
Ion Ratio Lower Upper

228 100

226 28.7 25.5 38.3

229 18.7 13.9 20.9





#85

Di-n-octyl phthalate

Concen: 5.180 ng

RT: 14.592 min Scan# 2126

Delta R.T. -0.006 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

Instrument :

BNA_F

ClientSampleId :

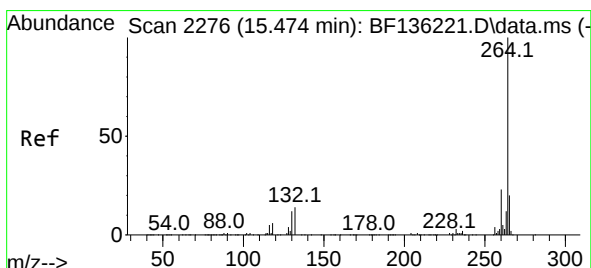
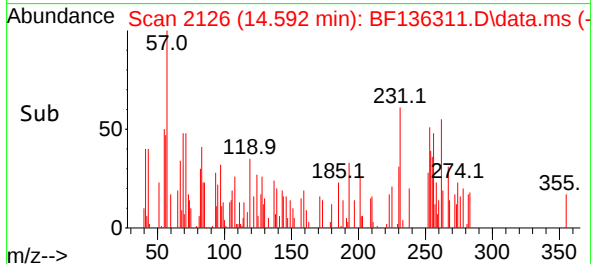
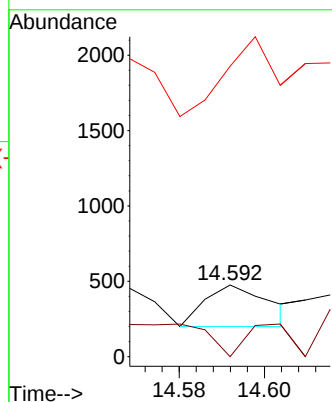
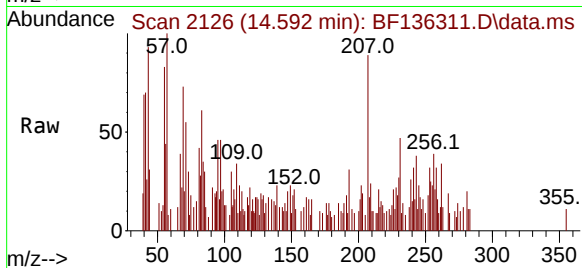
Tgt Ion:149 Resp: 286

Ion Ratio Lower Upper

149 100

167 52.1 1.0 1.6#

43 212.9 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: BF136311.D

Acq: 30 Nov 2023 13:48

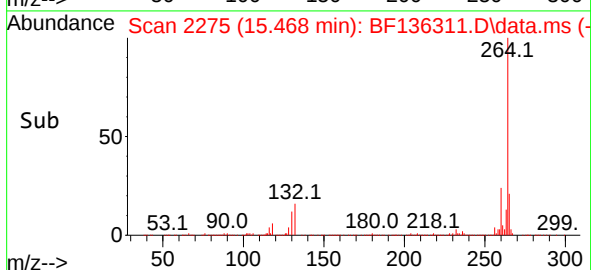
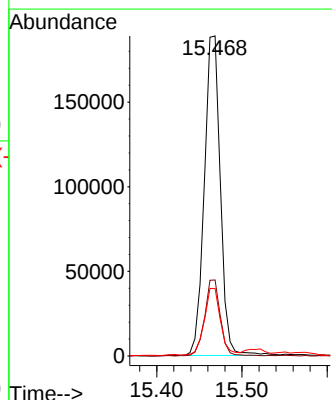
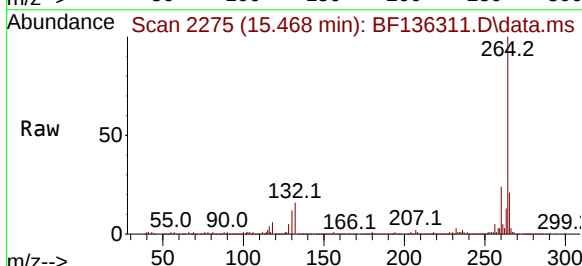
Tgt Ion:264 Resp: 247822

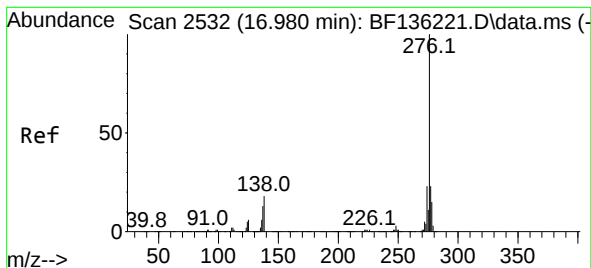
Ion Ratio Lower Upper

264 100

260 23.8 18.6 27.8

265 21.1 15.7 23.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.096 ng

RT: 16.962 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

Instrument :

BNA_F

ClientSampleId :

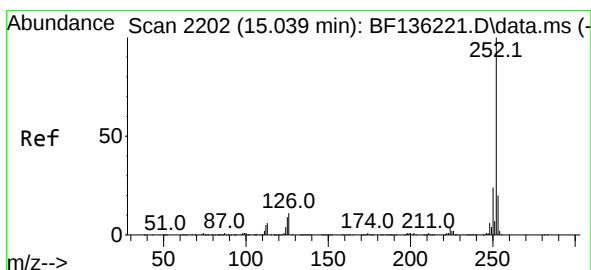
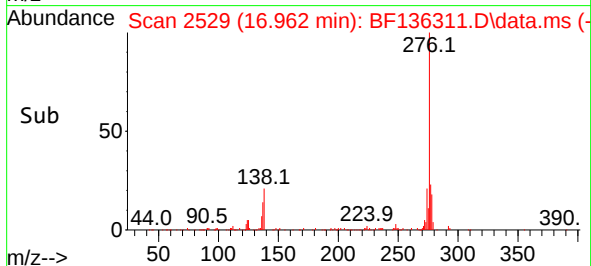
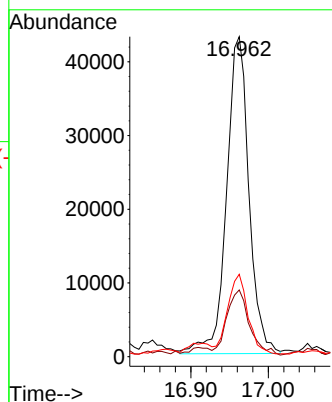
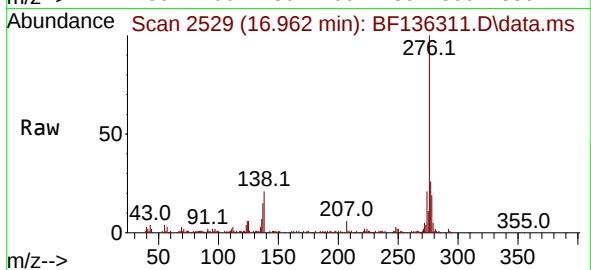
Tgt Ion:276 Resp: 86648

Ion Ratio Lower Upper

276 100

138 20.6 17.7 26.5

277 22.6 19.6 29.4



#88

Benzo(b)fluoranthene

Concen: 19.432 ng

RT: 15.033 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

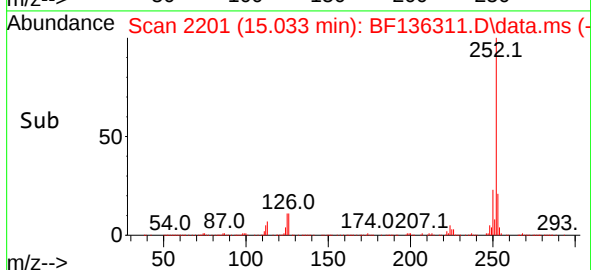
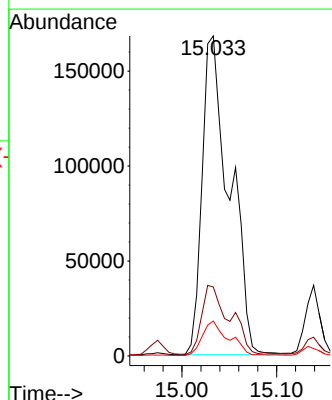
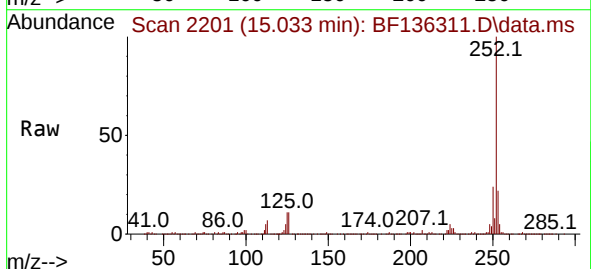
Tgt Ion:252 Resp: 337862

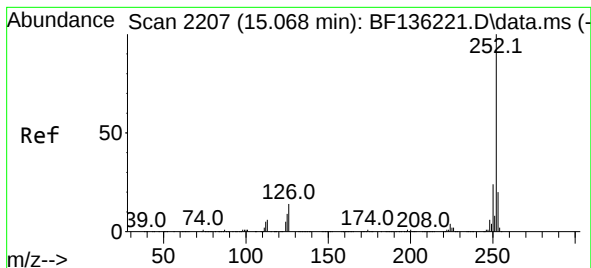
Ion Ratio Lower Upper

252 100

253 21.5 16.2 24.2

125 10.9 6.9 10.3#





#89

Benzo(k)fluoranthene

Concen: 20.460 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

Instrument :

BNA_F

ClientSampleId :

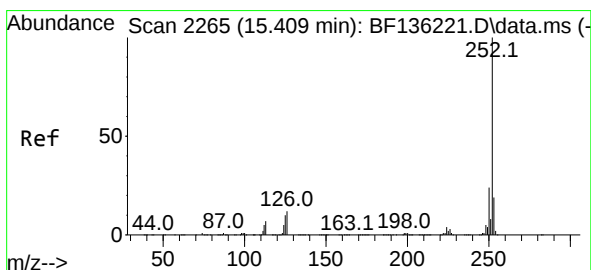
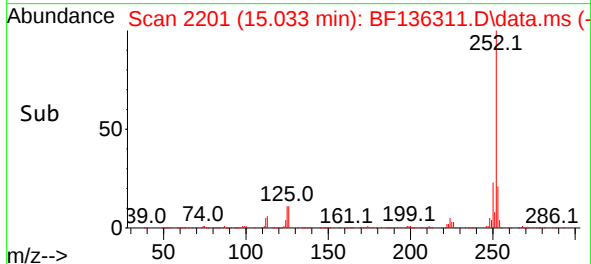
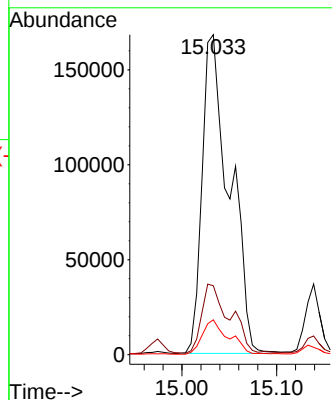
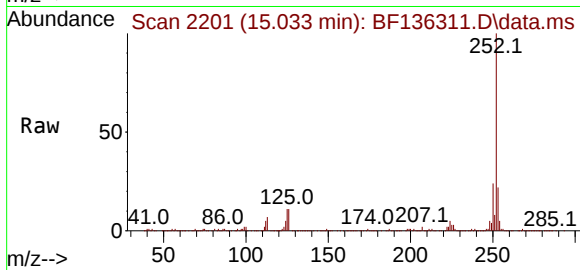
Tgt Ion:252 Resp: 337862

Ion Ratio Lower Upper

252 100

253 21.5 15.6 23.4

125 10.9 7.0 10.4#



#90

Benzo(a)pyrene

Concen: 12.254 ng

RT: 15.398 min Scan# 2263

Delta R.T. -0.011 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

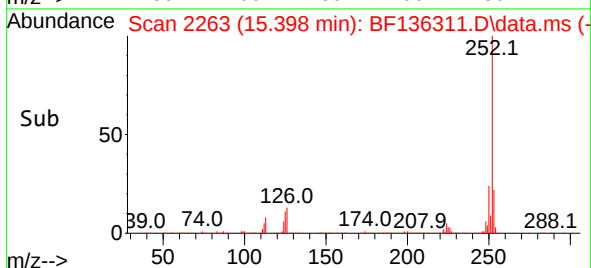
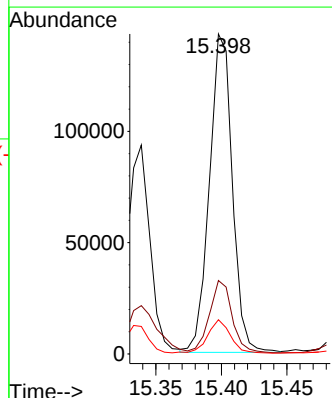
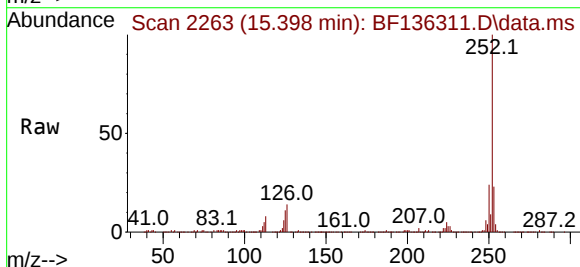
Tgt Ion:252 Resp: 174172

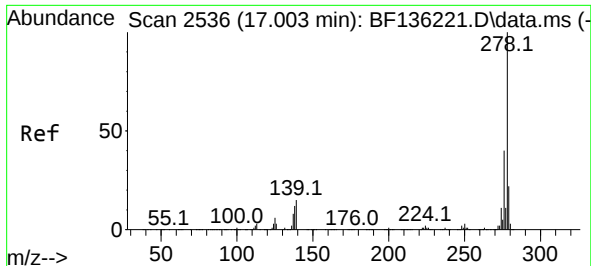
Ion Ratio Lower Upper

252 100

253 23.0 15.5 23.3

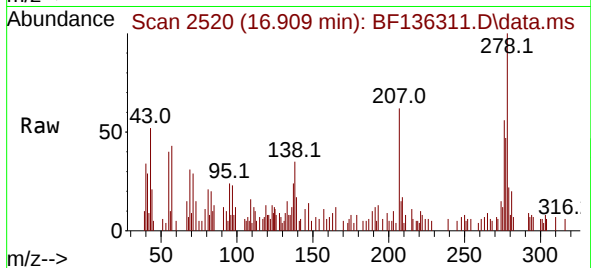
125 10.7 7.9 11.9



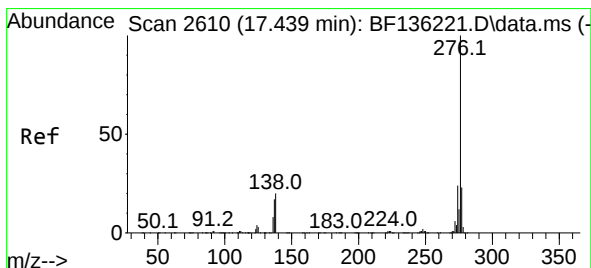
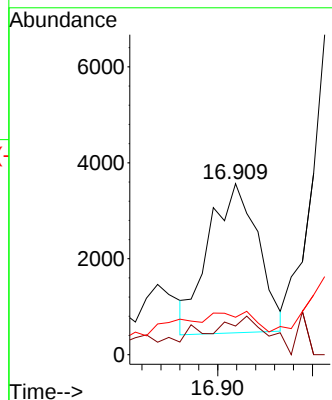
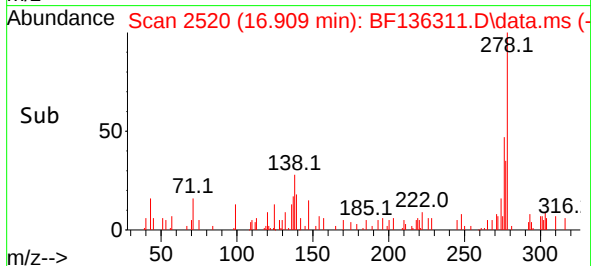


#91
Dibenzo(a,h)anthracene
Concen: 3.071 ng
RT: 16.909 min Scan# 21
Delta R.T. -0.094 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

Instrument :
BNA_F
ClientSampleId :



Tgt Ion:278 Resp: 5636
Ion Ratio Lower Upper
278 100
139 16.7 11.7 17.5
279 21.9 17.8 26.8



#92
Benzo(g,h,i)perylene
Concen: 6.815 ng
RT: 17.415 min Scan# 2606
Delta R.T. -0.024 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

Tgt Ion:276 Resp: 76338
Ion Ratio Lower Upper
276 100
277 22.7 18.6 27.8
138 17.4 15.8 23.8

