

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136700.D
 Acq On : 22 Dec 2023 22:57
 Operator : CG\JU
 Sample : 05765-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 23 01:57:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

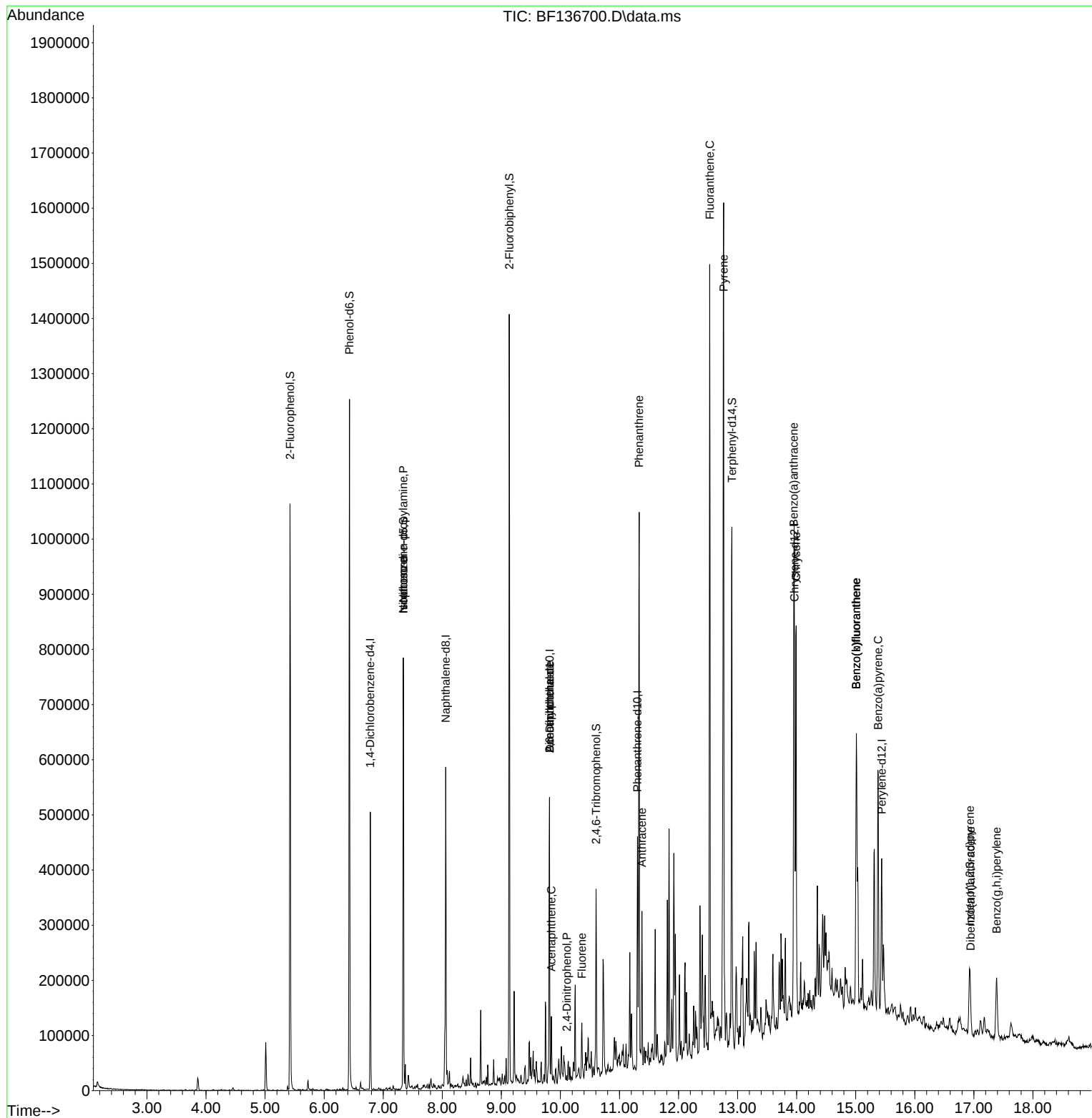
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	64614	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	227660	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	97920	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	148492	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	133743	20.000	ng	0.00
86) Perylene-d12	15.439	264	128345	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	271037	65.449	ng	0.00
7) Phenol-d6	6.428	99	380160	70.847	ng	-0.01
23) Nitrobenzene-d5	7.340	82	239925	53.928	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	36988	32.074	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	411632	56.540	ng	-0.02
79) Terphenyl-d14	12.904	244	325231	33.983	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.340	70	31157	9.579	ng	# 76
25) Isophorone	7.340	82	238808	29.499	ng	# 65
50) Dimethylphthalate	9.816	163	20767	2.904	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	14036	8.647	ng	# 31
52) Acenaphthene	9.845	154	20925	3.535	ng	100
54) 2,4-Dinitrophenol	10.110	184	177	3.923	ng	# 26
58) Fluorene	10.363	166	24131	3.390	ng	# 98
71) Phenanthrene	11.333	178	373190	48.980	ng	99
72) Anthracene	11.380	178	94817	12.288	ng	98
75) Fluoranthene	12.527	202	539815	66.235	ng	98
78) Pyrene	12.763	202	684043	52.101	ng	100
81) Benzo(a)anthracene	13.951	228	338131	36.409	ng	97
83) Chrysene	13.992	228	298667	32.887	ng	97
87) Indeno(1,2,3-cd)pyrene	16.933	276	87643	9.458	ng	94
88) Benzo(b)fluoranthene	15.010	252	370984	43.277	ng	99
89) Benzo(k)fluoranthene	15.010	252	370984	45.800	ng	99
90) Benzo(a)pyrene	15.380	252	218985	30.264	ng	98
91) Dibenzo(a,h)anthracene	16.945	278	22338	2.938	ng	# 90
92) Benzo(g,h,i)perylene	17.386	276	89046	11.436	ng	97

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

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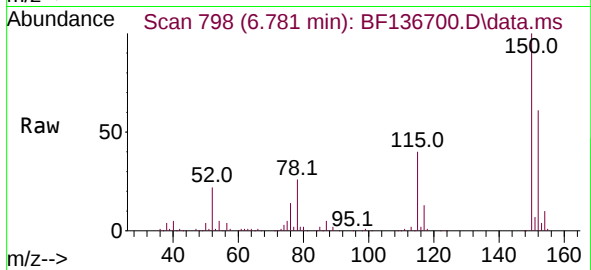
Quant Time: Dec 23 01:57:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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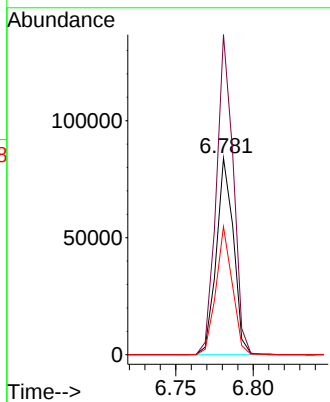
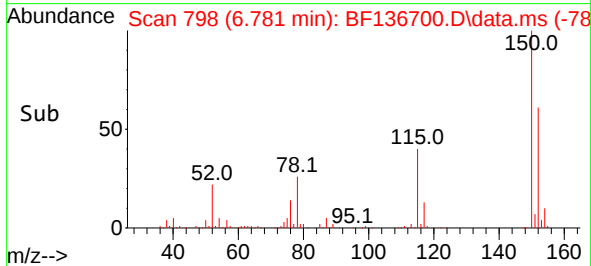


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

Instrument :
BNA_F
ClientSampleId :

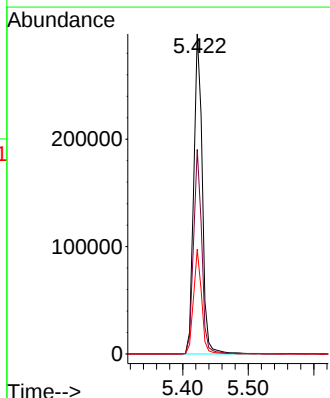
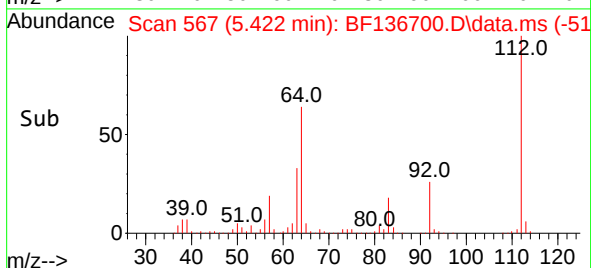
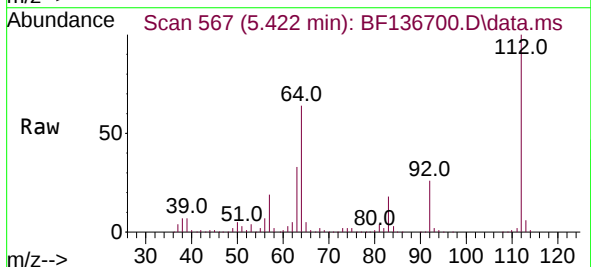


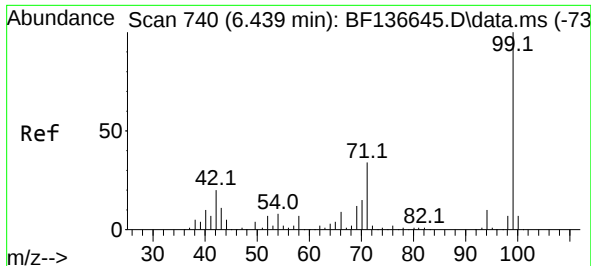
Tgt Ion:152 Resp: 64614
Ion Ratio Lower Upper
152 100
150 162.7 127.0 190.6
115 65.1 49.0 73.4



#5
2-Fluorophenol
Concen: 65.449 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

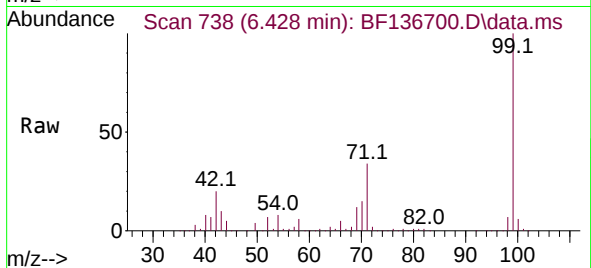
Tgt Ion:112 Resp: 271037
Ion Ratio Lower Upper
112 100
64 63.9 51.1 76.7
63 32.7 26.1 39.1



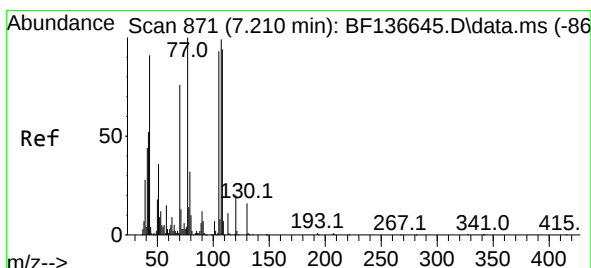
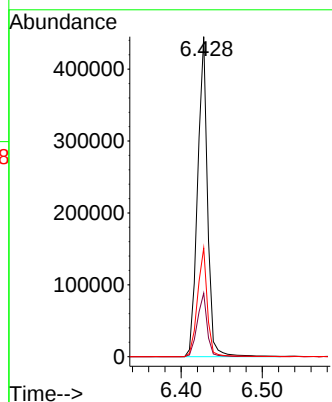
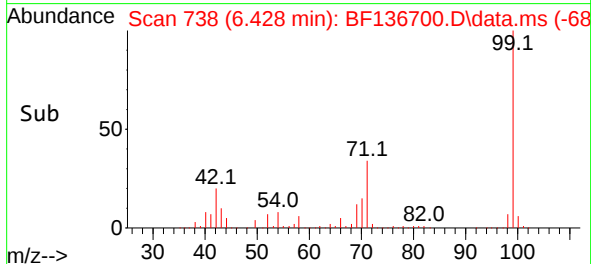


#7
Phenol-d6
Concen: 70.847 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

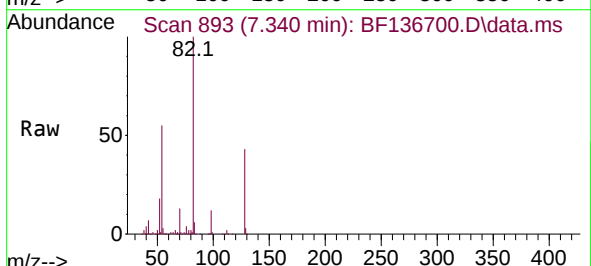
Instrument :
BNA_F
ClientSampleId :



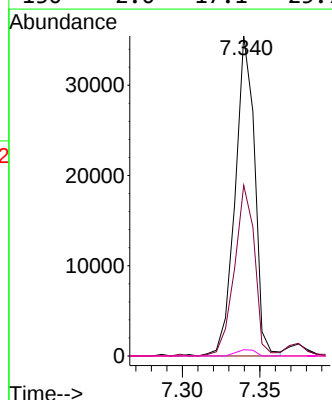
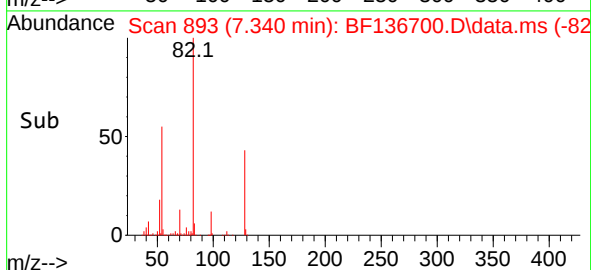
Tgt Ion: 99 Resp: 380160
Ion Ratio Lower Upper
99 100
42 19.9 16.1 24.1
71 34.0 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.579 ng
RT: 7.340 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57



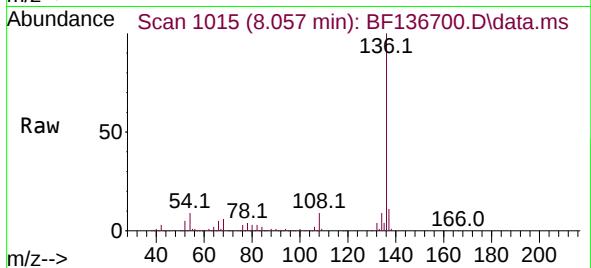
Tgt Ion: 70 Resp: 31157
Ion Ratio Lower Upper
70 100
42 53.4 54.2 81.4#
101 0.0 7.6 11.4#
130 2.0 17.1 25.7#



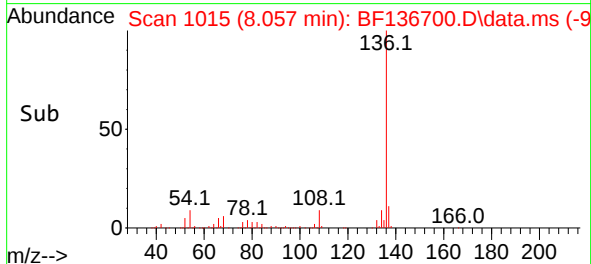
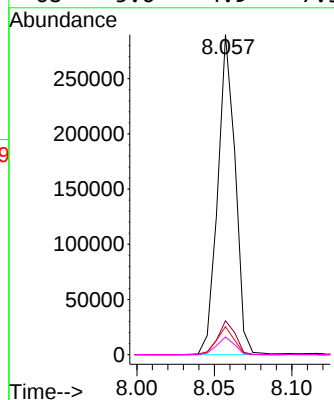


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

Instrument :
BNA_F
ClientSampleId :

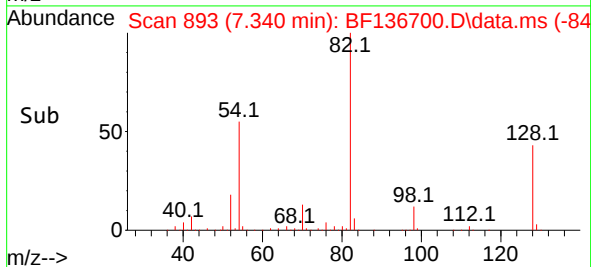
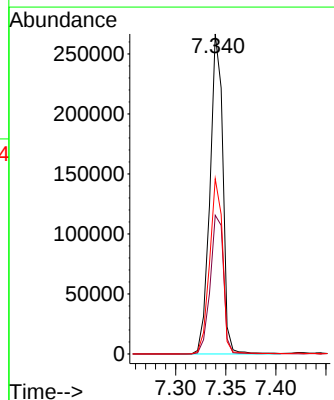
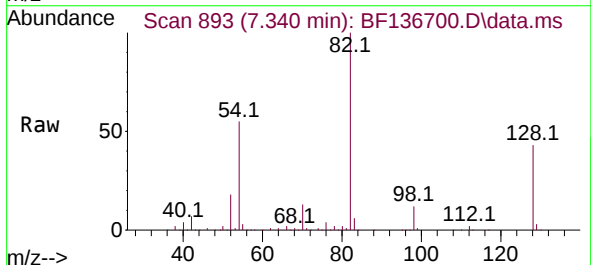


Tgt Ion:	136	Resp:	227660
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	8.8	7.2	10.8
68	5.6	4.9	7.3



#23
Nitrobenzene-d5
Concen: 53.928 ng
RT: 7.340 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

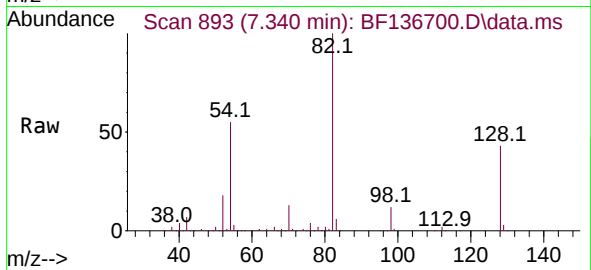
Tgt Ion:	82	Resp:	239925
Ion	Ratio	Lower	Upper
82	100		
128	43.4	35.3	52.9
54	54.8	44.5	66.7



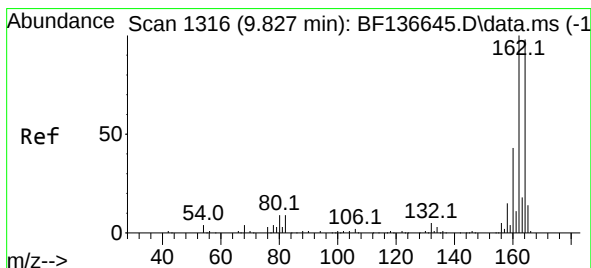
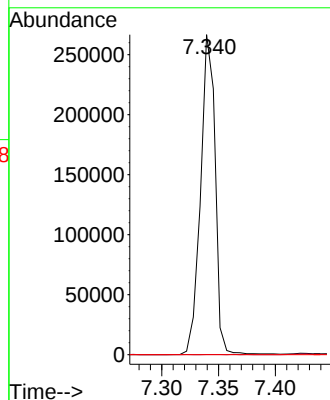
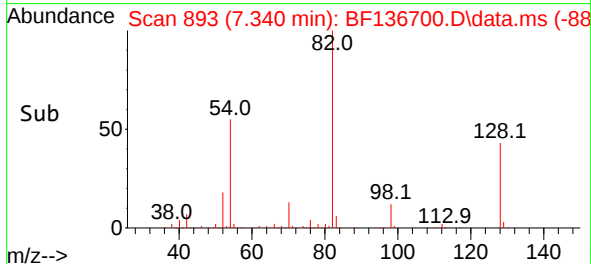


#25
Isophorone
Concen: 29.499 ng
RT: 7.340 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

Instrument :
BNA_F
ClientSampleId :

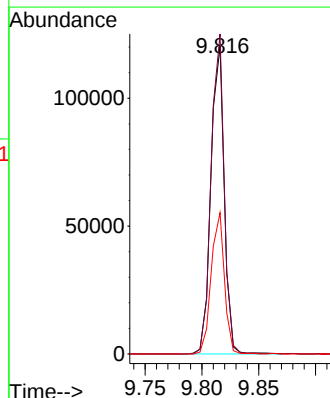
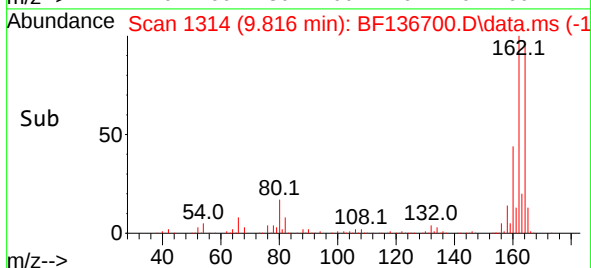
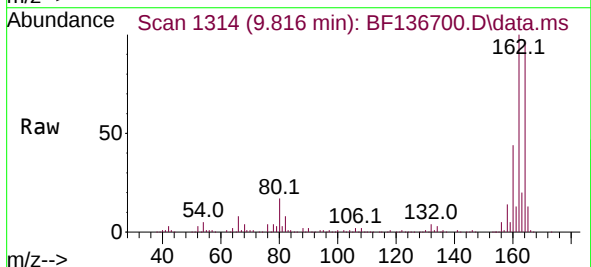


Tgt Ion: 82 Resp: 238808
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

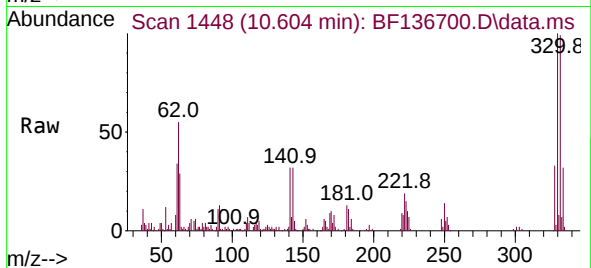
Tgt Ion:164 Resp: 97920
Ion Ratio Lower Upper
164 100
162 103.9 81.6 122.4
160 45.9 34.9 52.3



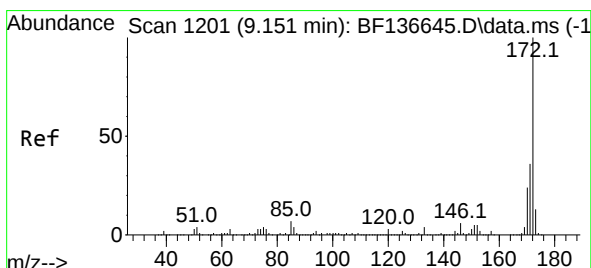
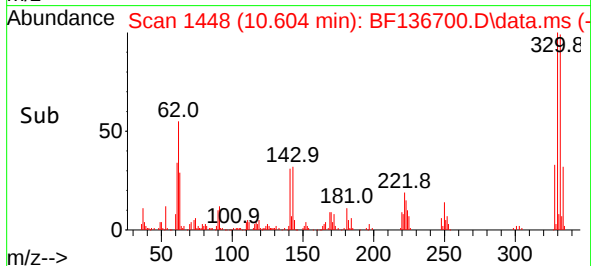
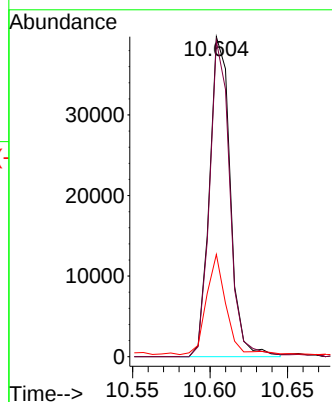


#42
2,4,6-Tribromophenol
Concen: 32.074 ng
RT: 10.604 min Scan# 1451
Delta R.T. -0.017 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

Instrument :
BNA_F
ClientSampleId :

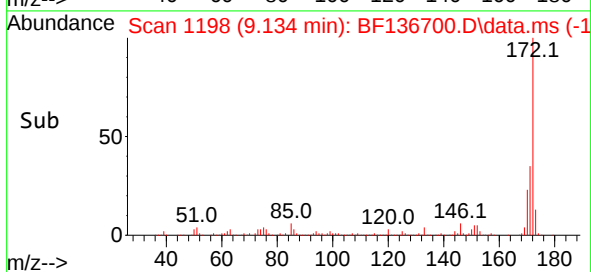
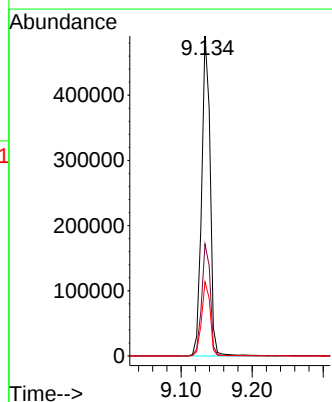
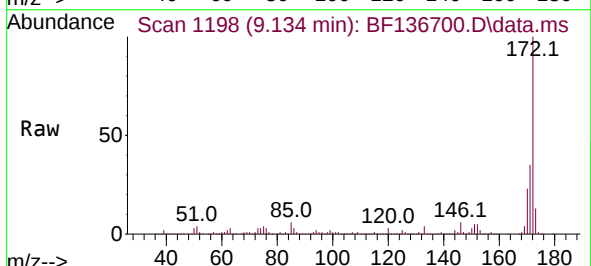


Tgt Ion:330 Resp: 36988
Ion Ratio Lower Upper
330 100
332 96.1 77.4 116.0
141 30.5 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 56.540 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.017 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

Tgt Ion:172 Resp: 411632
Ion Ratio Lower Upper
172 100
171 34.9 29.0 43.6
170 23.2 19.0 28.4

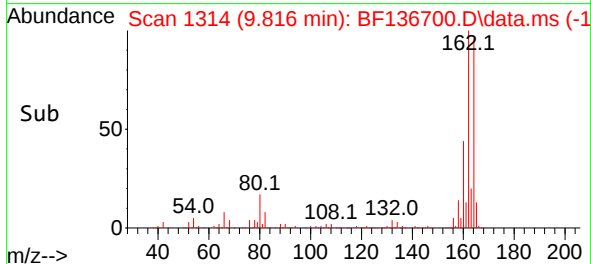
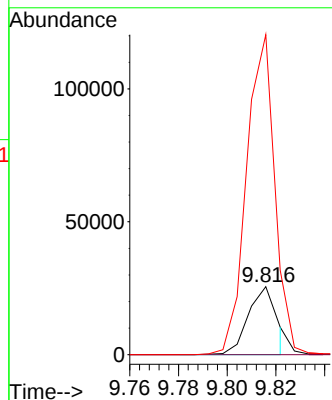
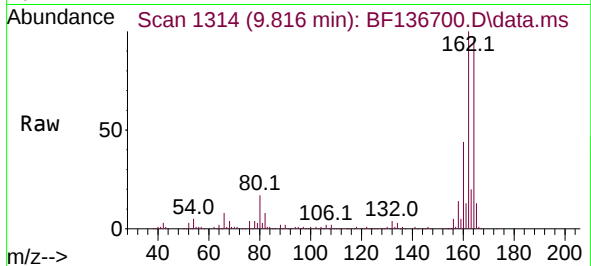




#50
Dimethylphthalate
Concen: 2.904 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

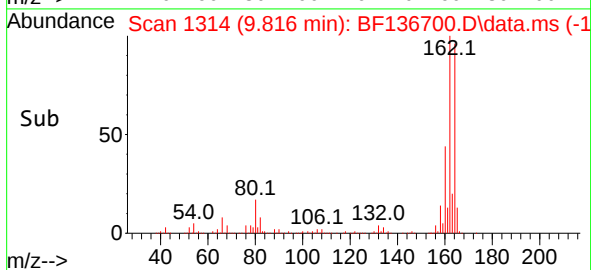
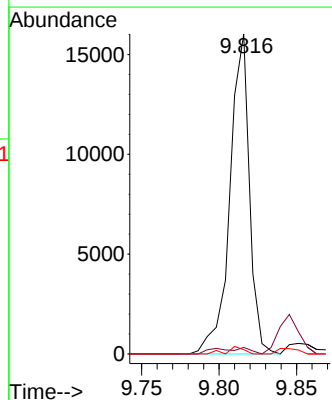
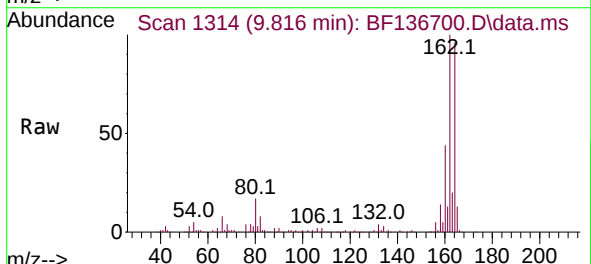
Instrument :
BNA_F
ClientSampleId :

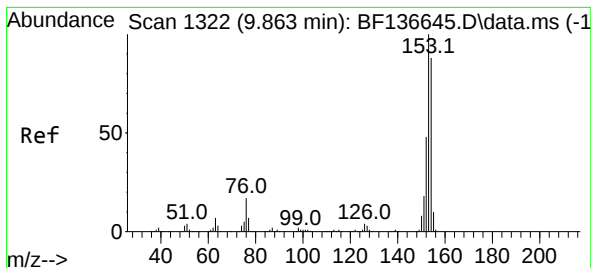
Tgt Ion:163 Resp: 20767
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 470.3 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 8.647 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

Tgt Ion:165 Resp: 14036
Ion Ratio Lower Upper
165 100
63 2.1 39.8 59.6#
89 1.3 38.8 58.2#





#52

Acenaphthene

Concen: 3.535 ng

RT: 9.845 min Scan# 1

Delta R.T. -0.017 min

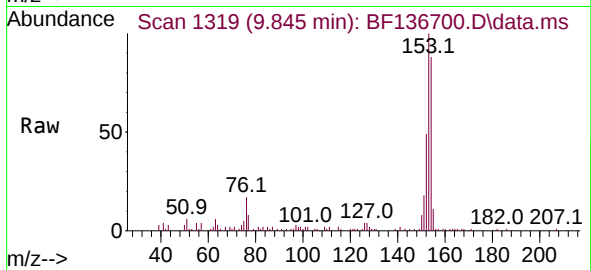
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Instrument :

BNA_F

ClientSampleId :



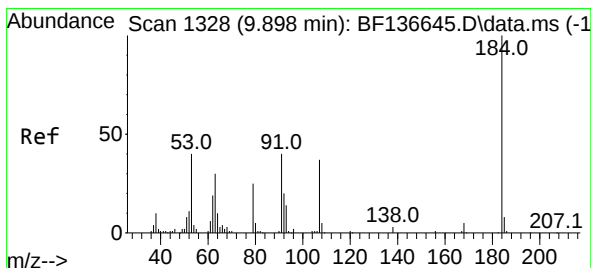
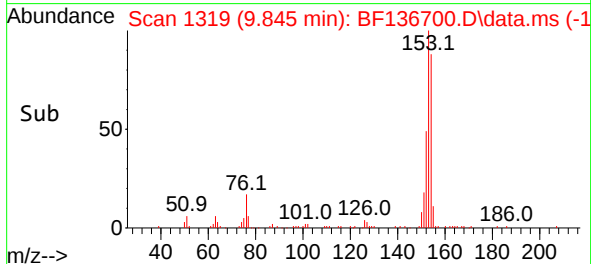
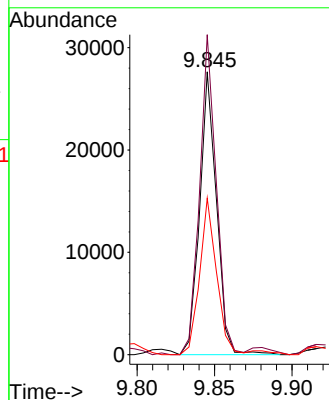
Tgt Ion:154 Resp: 20925

Ion Ratio Lower Upper

154 100

153 113.1 90.7 136.1

152 55.3 43.7 65.5



#54

2,4-Dinitrophenol

Concen: 3.923 ng

RT: 10.110 min Scan# 1364

Delta R.T. 0.212 min

Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

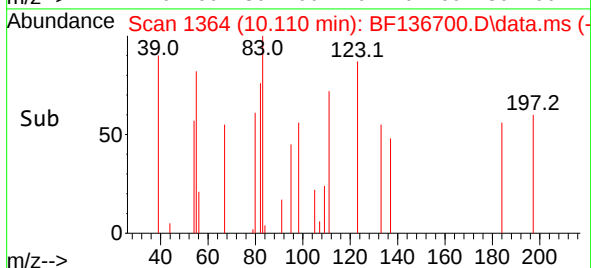
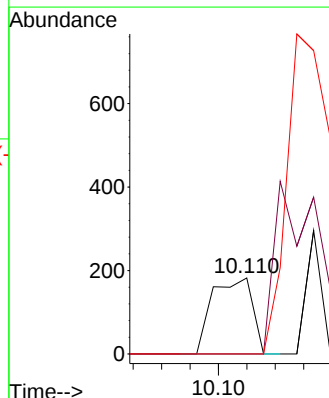
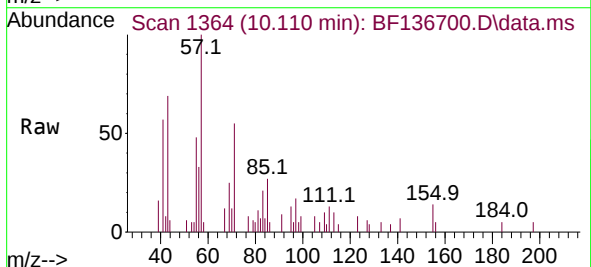
Tgt Ion:184 Resp: 177

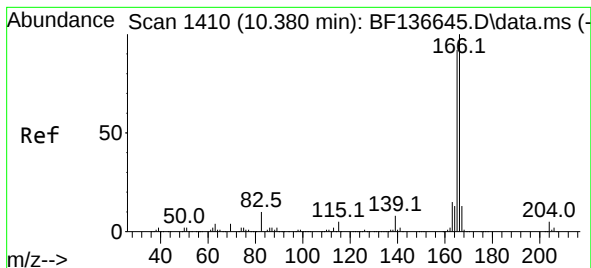
Ion Ratio Lower Upper

184 100

63 0.0 40.9 61.3#

154 0.0 42.7 64.1#





#58

Fluorene

Concen: 3.390 ng

RT: 10.363 min Scan# 1410

Delta R.T. -0.017 min

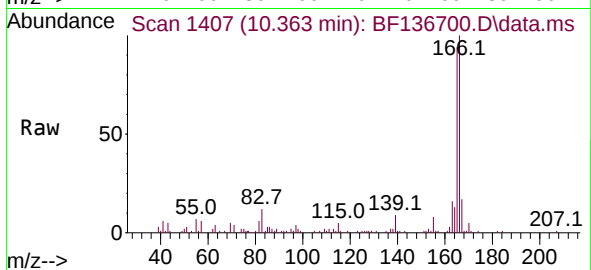
Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

Instrument :

BNA_F

ClientSampleId :



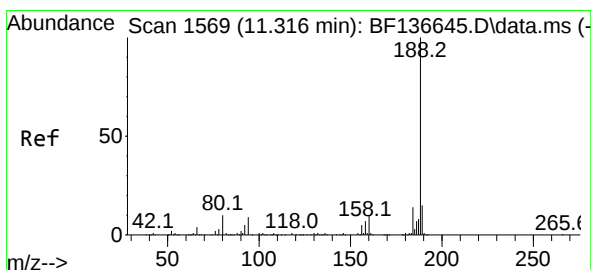
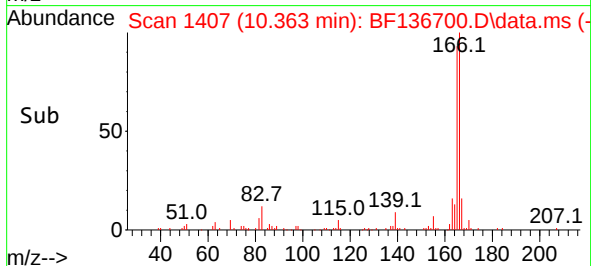
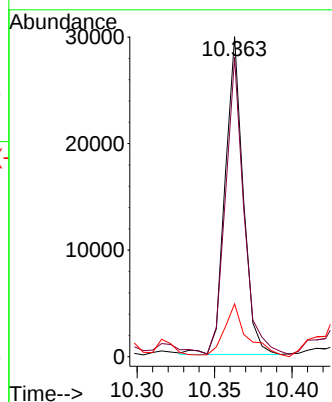
Tgt Ion:166 Resp: 24131

Ion Ratio Lower Upper

166 100

165 93.6 73.7 110.5

167 16.5 10.4 15.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1567

Delta R.T. -0.012 min

Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

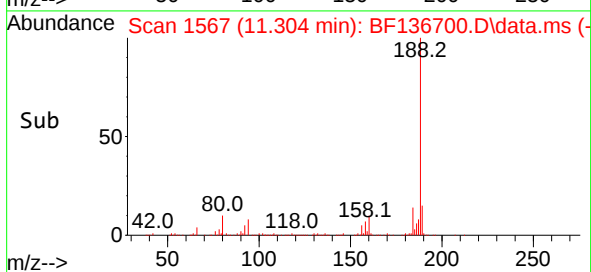
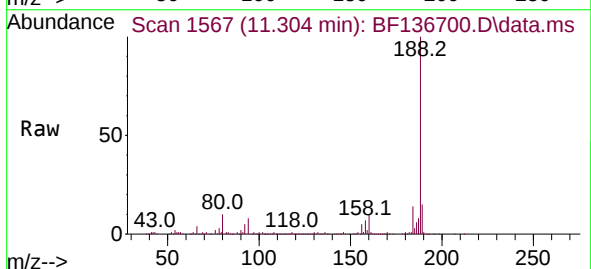
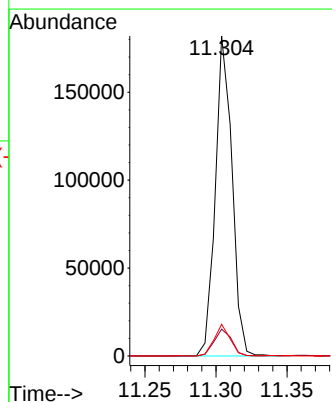
Tgt Ion:188 Resp: 148492

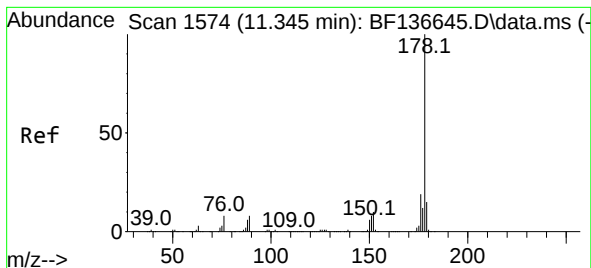
Ion Ratio Lower Upper

188 100

94 8.4 7.5 11.3

80 9.9 8.1 12.1





#71

Phenanthrene

Concen: 48.980 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

Instrument :

BNA_F

ClientSampleId :

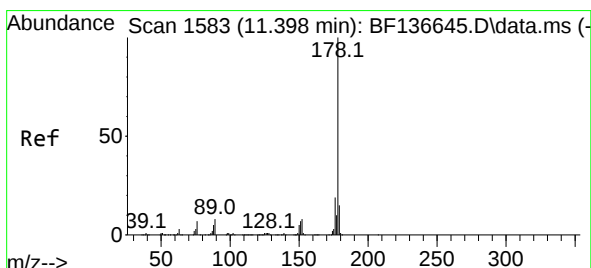
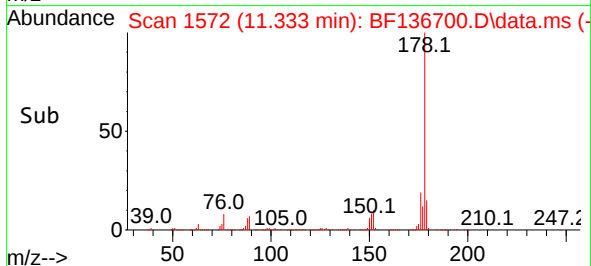
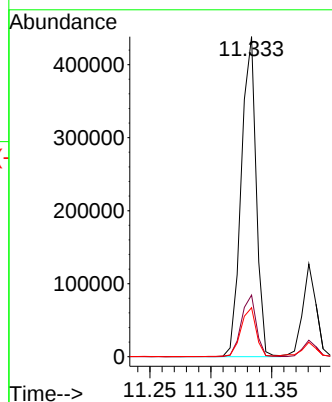
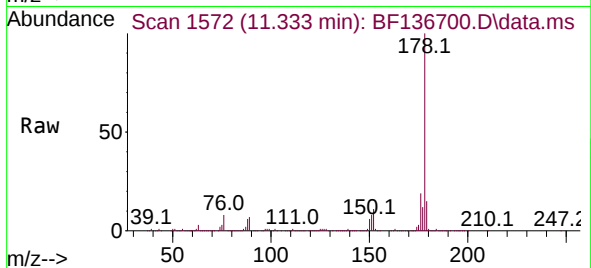
Tgt Ion:178 Resp: 373190

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.3 11.9 17.9



#72

Anthracene

Concen: 12.288 ng

RT: 11.380 min Scan# 1580

Delta R.T. -0.017 min

Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

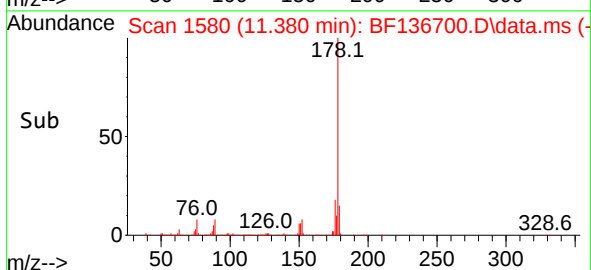
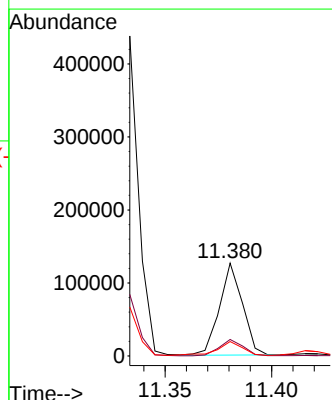
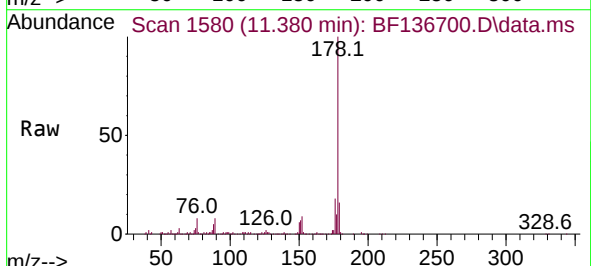
Tgt Ion:178 Resp: 94817

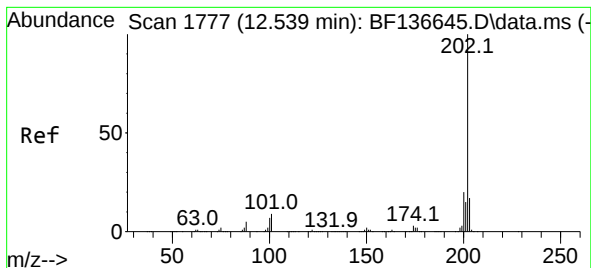
Ion Ratio Lower Upper

178 100

176 17.8 14.9 22.3

179 15.6 11.8 17.6





#75

Fluoranthene

Concen: 66.235 ng

RT: 12.527 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

Instrument :

BNA_F

ClientSampleId :

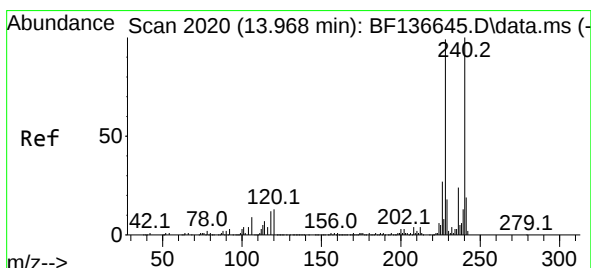
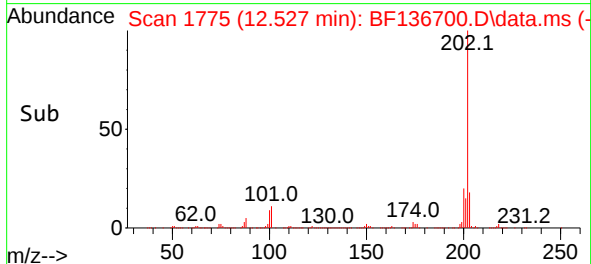
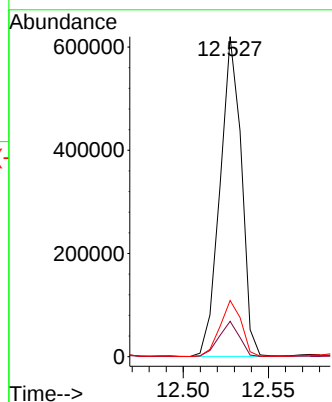
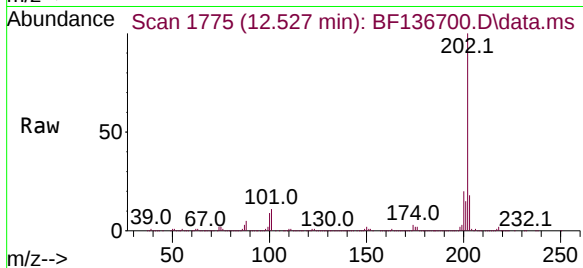
Tgt Ion:202 Resp: 539815

Ion Ratio Lower Upper

202 100

101 11.1 0.0 29.3

203 17.6 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

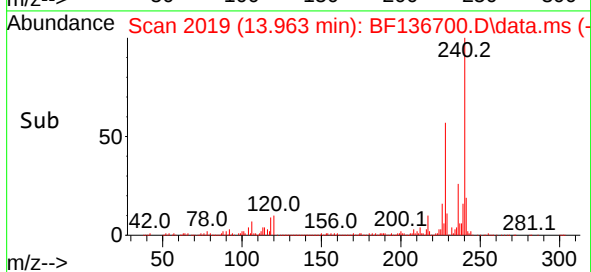
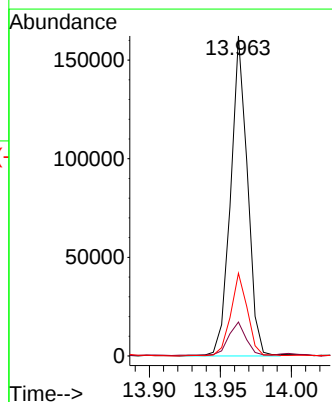
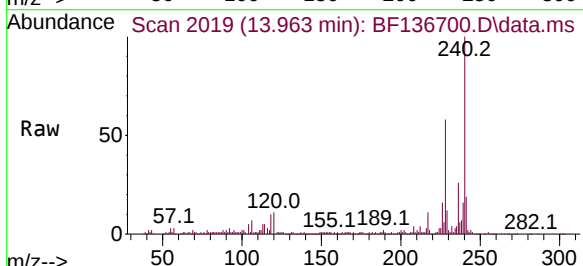
Tgt Ion:240 Resp: 133743

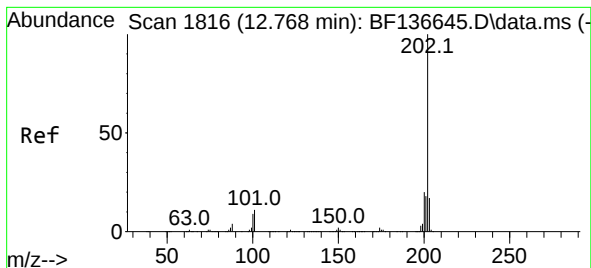
Ion Ratio Lower Upper

240 100

120 10.6 10.3 15.5

236 25.8 19.4 29.2





#78

Pyrene

Concen: 52.101 ng

RT: 12.763 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

Instrument :

BNA_F

ClientSampleId :

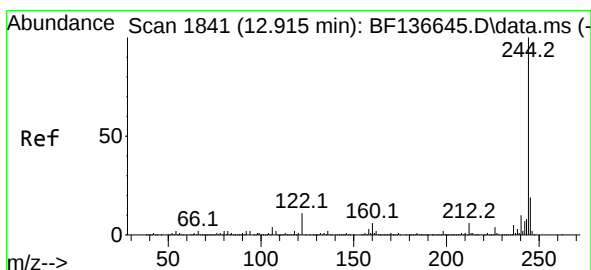
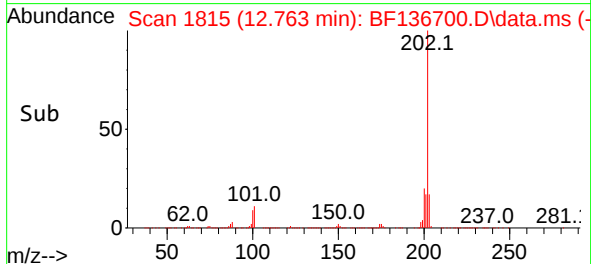
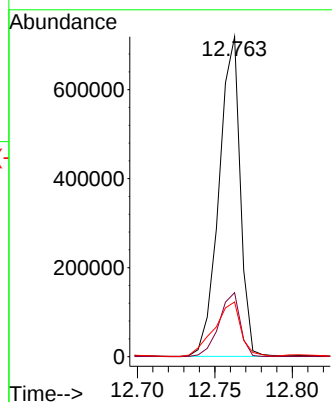
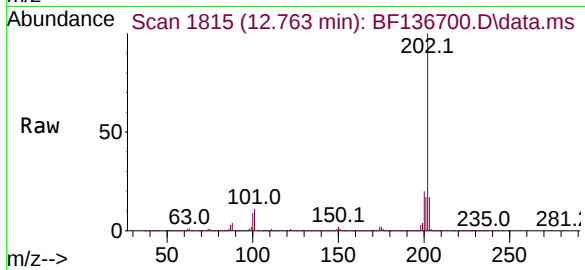
Tgt Ion:202 Resp: 684043

Ion Ratio Lower Upper

202 100

200 20.0 15.9 23.9

203 17.1 13.8 20.6



#79

Terphenyl-d14

Concen: 33.983 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

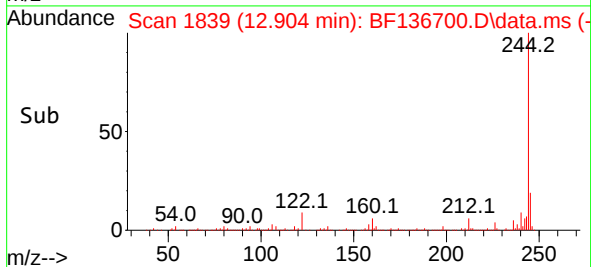
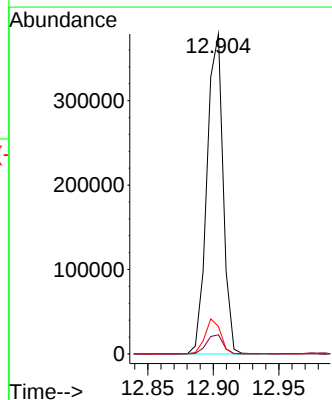
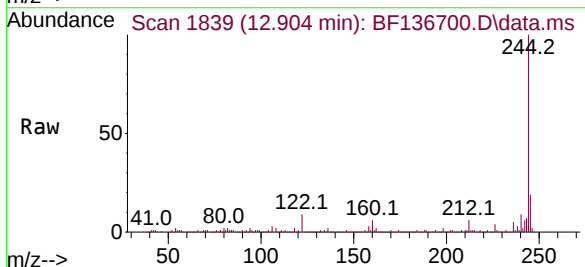
Tgt Ion:244 Resp: 325231

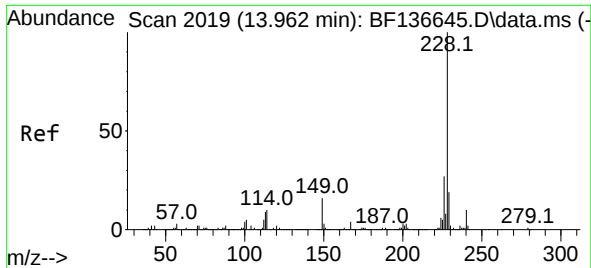
Ion Ratio Lower Upper

244 100

212 6.0 5.0 7.4

122 8.6 9.0 13.4#





#81

Benzo(a)anthracene

Concen: 36.409 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

Instrument :

BNA_F

ClientSampleId :

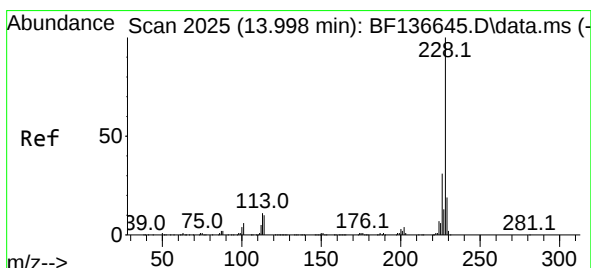
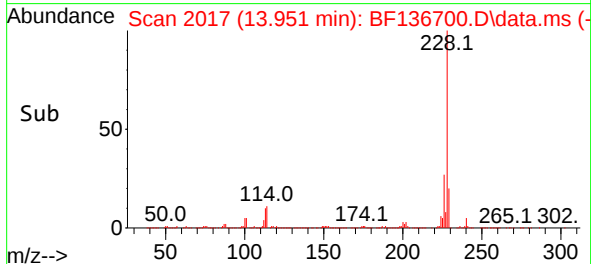
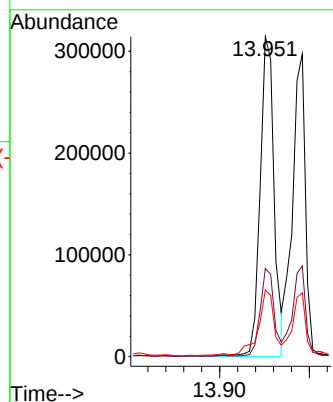
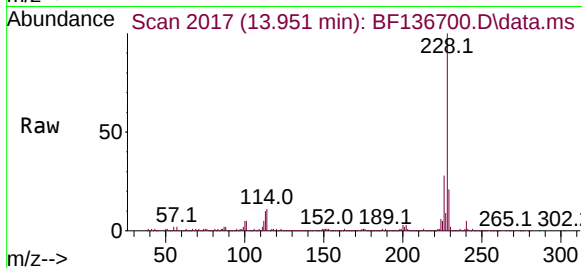
Tgt Ion:228 Resp: 338131

Ion Ratio Lower Upper

228 100

226 27.5 21.4 32.0

229 20.9 14.9 22.3



#83

Chrysene

Concen: 32.887 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

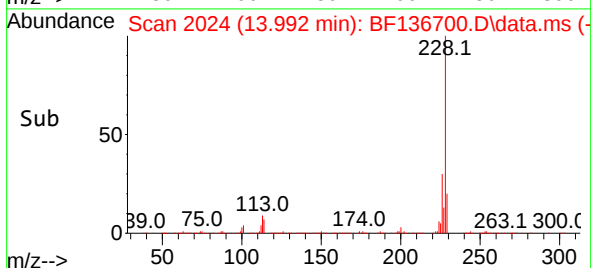
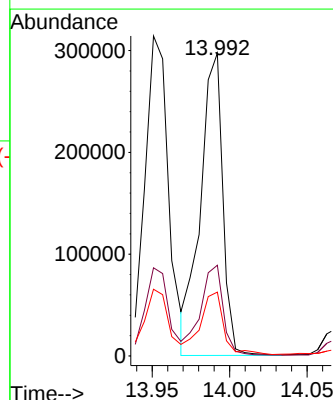
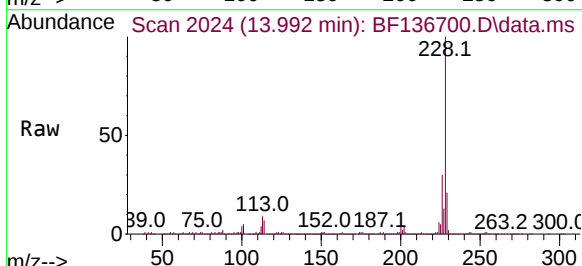
Tgt Ion:228 Resp: 298667

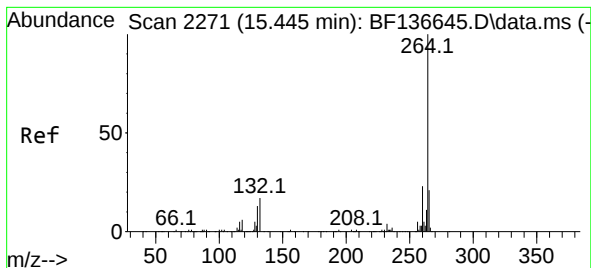
Ion Ratio Lower Upper

228 100

226 30.0 24.7 37.1

229 21.1 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

Instrument :

BNA_F

ClientSampleId :

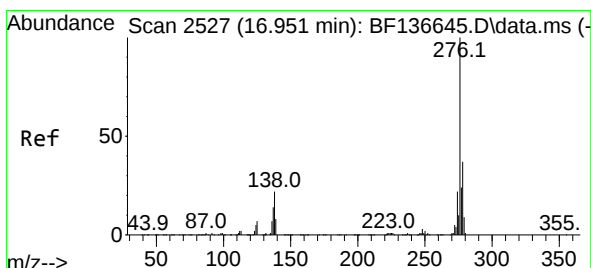
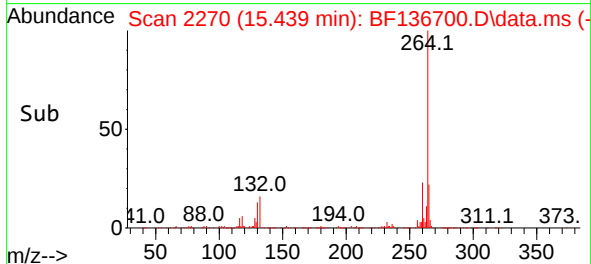
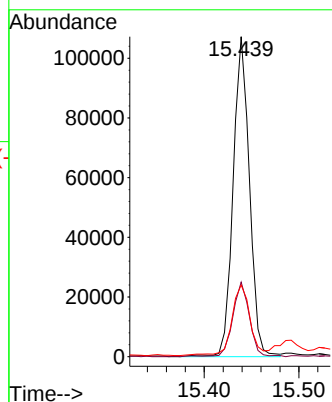
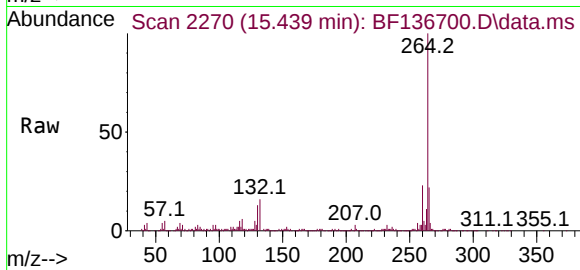
Tgt Ion:264 Resp: 128345

Ion Ratio Lower Upper

264 100

260 23.3 18.3 27.5

265 22.4 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.458 ng

RT: 16.933 min Scan# 2524

Delta R.T. -0.017 min

Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

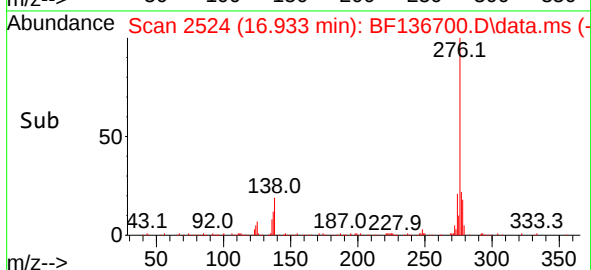
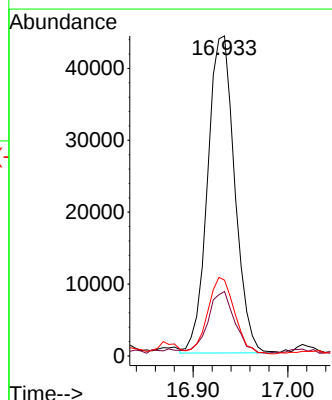
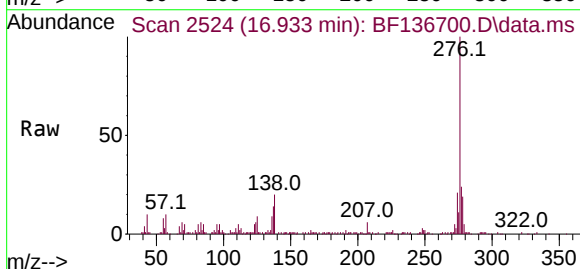
Tgt Ion:276 Resp: 87643

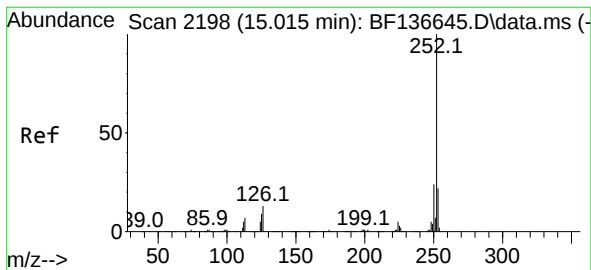
Ion Ratio Lower Upper

276 100

138 19.0 18.7 28.1

277 23.9 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 43.277 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

Instrument :

BNA_F

ClientSampleId :

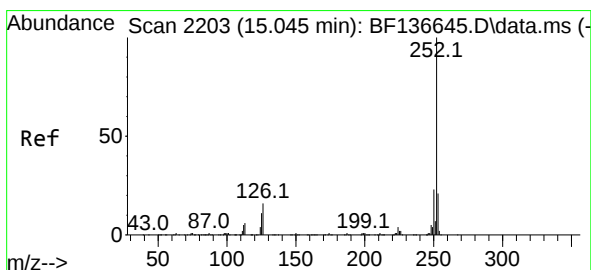
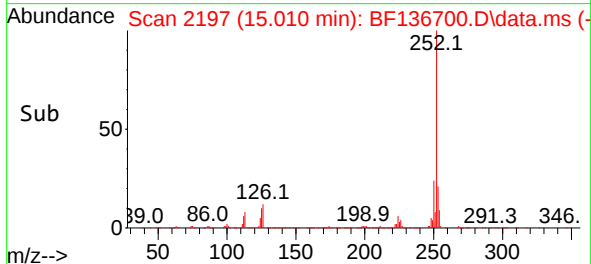
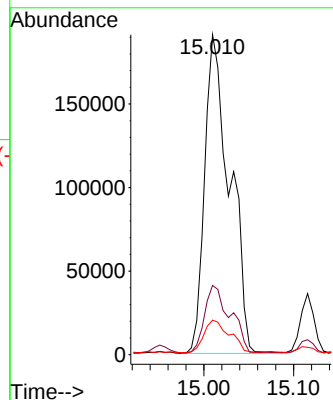
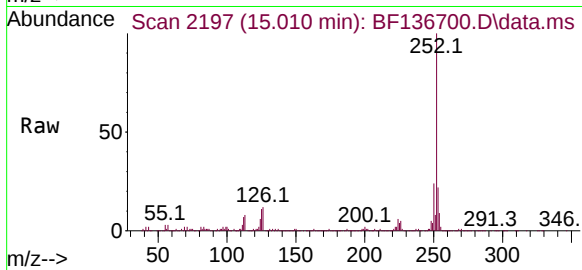
Tgt Ion:252 Resp: 370984

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

125 10.8 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 45.800 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

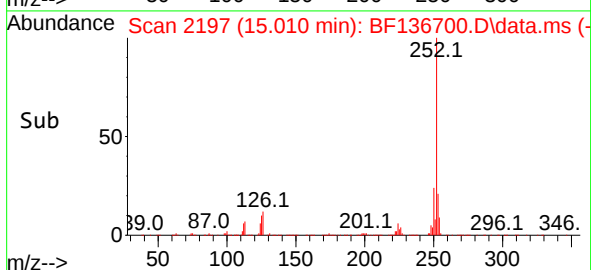
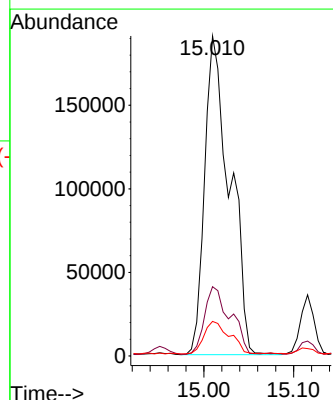
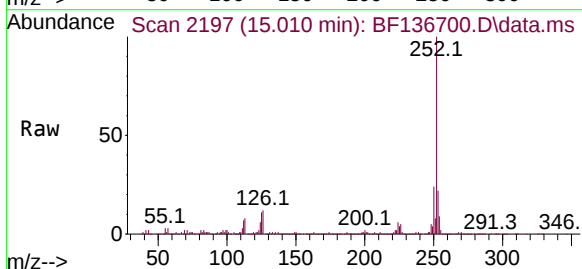
Tgt Ion:252 Resp: 370984

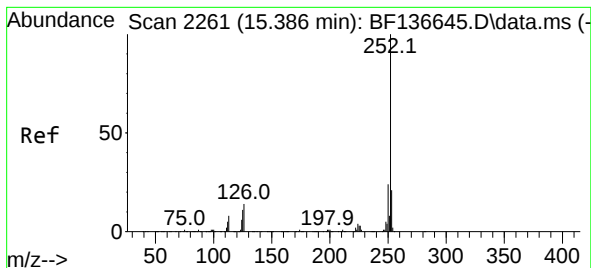
Ion Ratio Lower Upper

252 100

253 21.7 17.0 25.6

125 10.8 8.2 12.4





#90

Benzo(a)pyrene

Concen: 30.264 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

Instrument :

BNA_F

ClientSampleId :

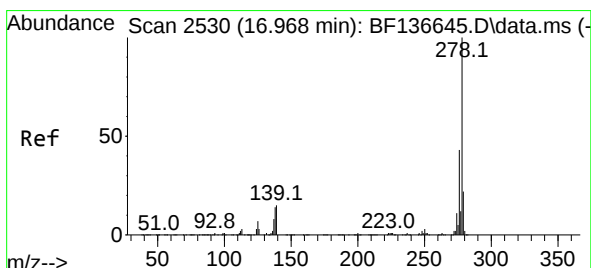
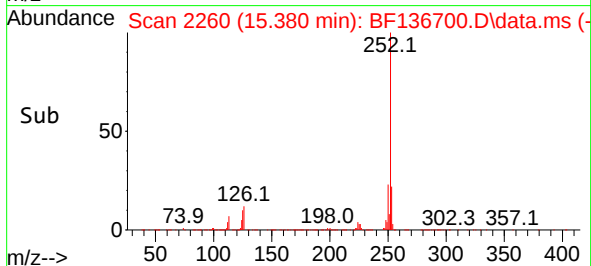
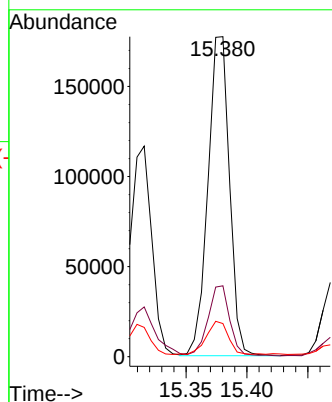
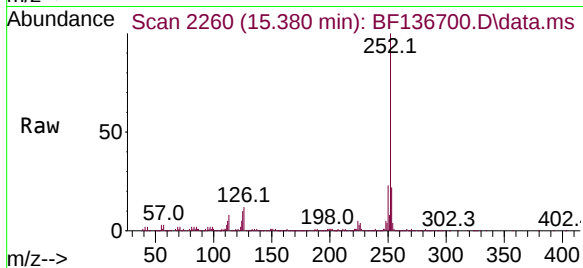
Tgt Ion:252 Resp: 218985

Ion Ratio Lower Upper

252 100

253 22.2 17.0 25.6

125 10.4 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 2.938 ng

RT: 16.945 min Scan# 2526

Delta R.T. -0.023 min

Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

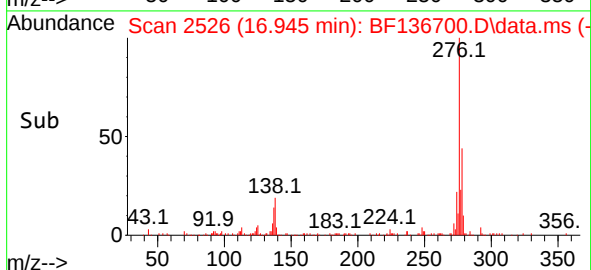
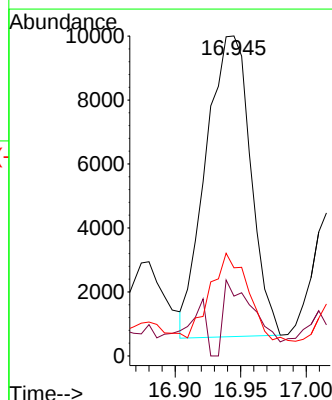
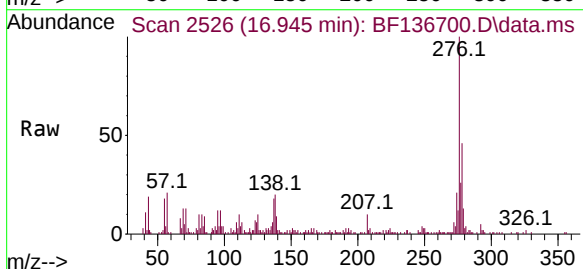
Tgt Ion:278 Resp: 22338

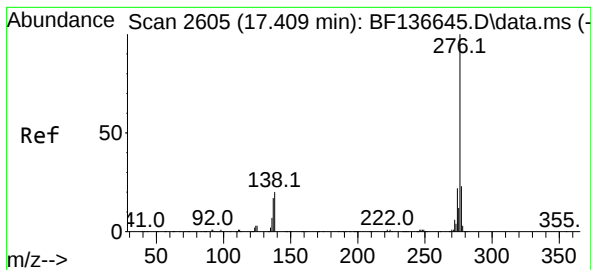
Ion Ratio Lower Upper

278 100

139 18.7 12.2 18.4#

279 27.6 17.8 26.6#





#92

Benzo(g,h,i)perylene

Concen: 11.436 ng

RT: 17.386 min Scan# 20

Delta R.T. -0.023 min

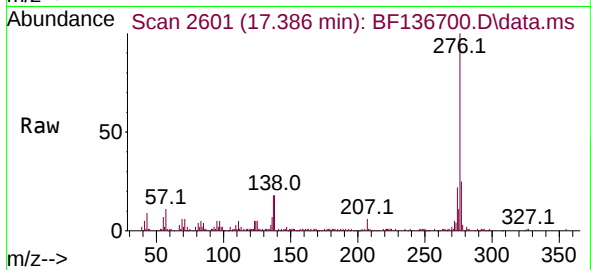
Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 89046

Ion Ratio Lower Upper

276 100

277 25.0 18.3 27.5

138 18.4 15.6 23.4

