

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
 Data File : BF136758.D
 Acq On : 27 Dec 2023 15:04
 Operator : CG\JU
 Sample : 05796-03RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-06-12-13RE

Quant Time: Dec 27 15:27:24 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)

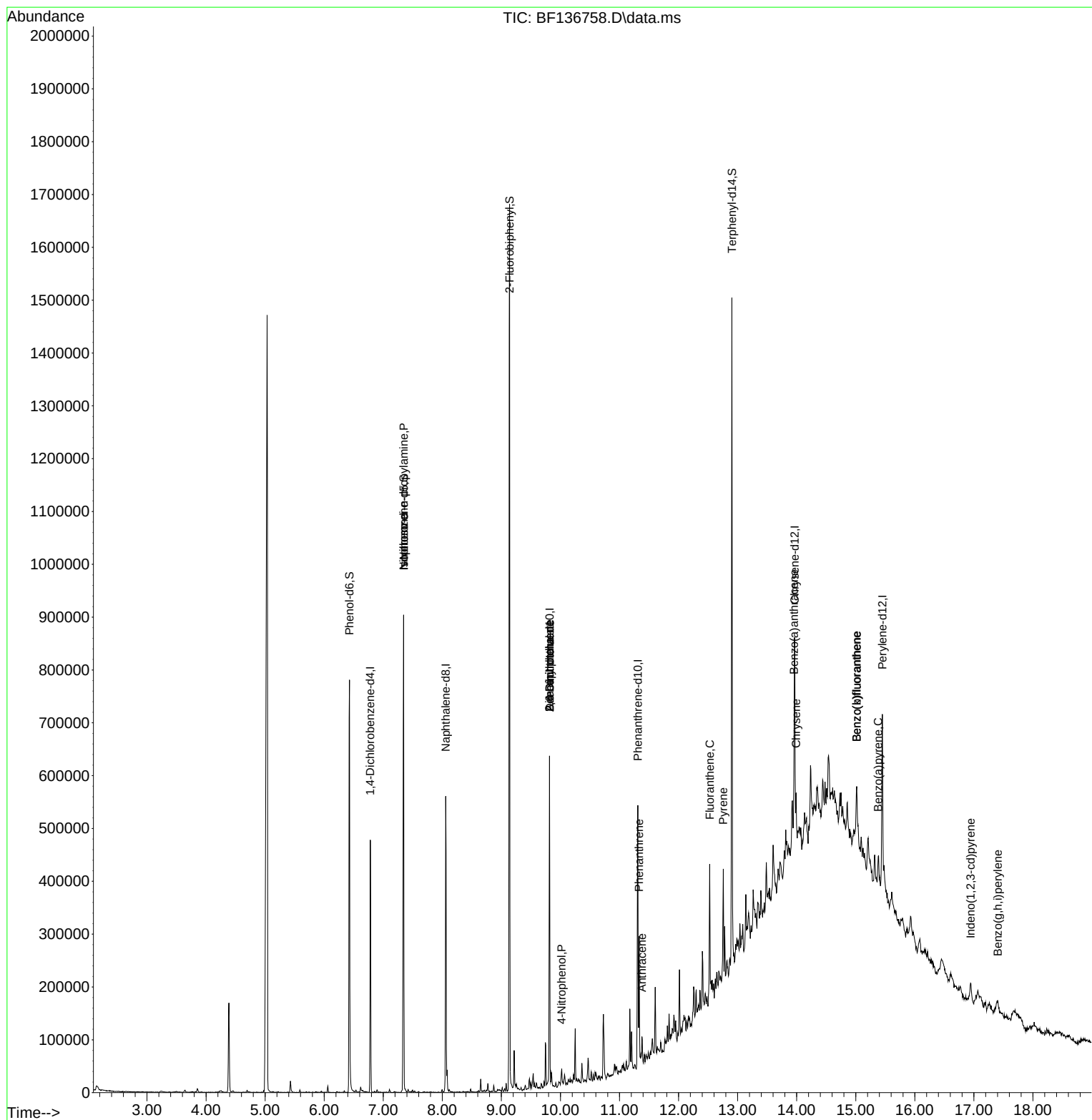
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	66108	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	237093	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	112255	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	182527	20.000	ng	0.00
76) Chrysene-d12	13.968	240	124710	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	152440	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	6579	1.553	ng	0.00
7) Phenol-d6	6.428	99	255225	46.489	ng	-0.01
23) Nitrobenzene-d5	7.345	82	262343	56.621	ng	-0.01
42) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng	
45) 2-Fluorobiphenyl	9.139	172	520210	62.329	ng	-0.01
79) Terphenyl-d14	12.904	244	407838	45.701	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	34620	10.403	ng	# 73
25) Isophorone	7.345	82	262341	31.117	ng	# 65
50) Dimethylphthalate	9.816	163	22308	2.721	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	14209	7.636	ng	# 31
56) 4-Nitrophenol	10.022	139	3473	2.610	ng	# 15
57) 2,4-Dinitrotoluene	9.816	165	14209	5.882	ng	# 22
71) Phenanthrene	11.333	178	88390	9.438	ng	99
72) Anthracene	11.380	178	19820	2.090	ng	96
75) Fluoranthene	12.527	202	95725	9.555	ng	99
78) Pyrene	12.757	202	75612	6.176	ng	100
81) Benzo(a)anthracene	13.957	228	39298	4.538	ng	# 93
83) Chrysene	13.992	228	41118	4.856	ng	# 92
87) Indeno(1,2,3-cd)pyrene	16.945	276	23134	2.102	ng	96
88) Benzo(b)fluoranthene	15.015	252	63708	6.257	ng	# 81
89) Benzo(k)fluoranthene	15.015	252	63708	6.622	ng	# 80
90) Benzo(a)pyrene	15.380	252	32982	3.838	ng	# 80
92) Benzo(g,h,i)perylene	17.403	276	22210	2.402	ng	94

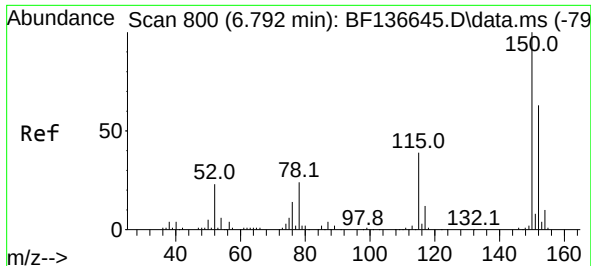
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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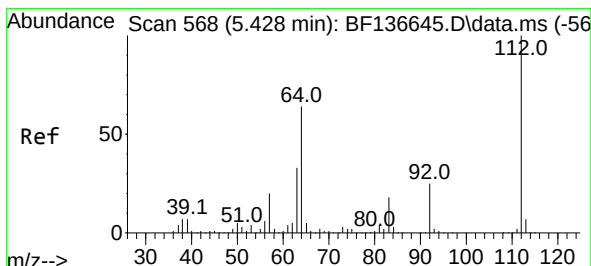
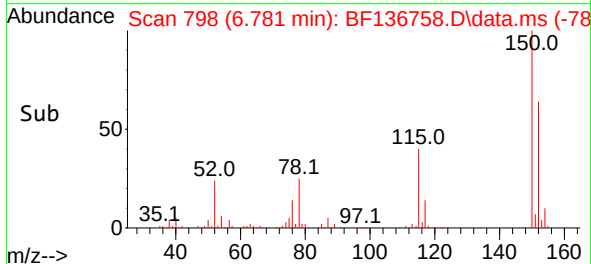
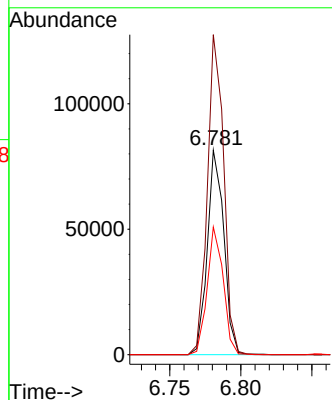
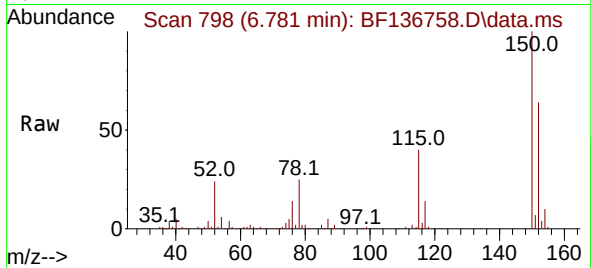




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136758.D
Acq: 27 Dec 2023 15:04

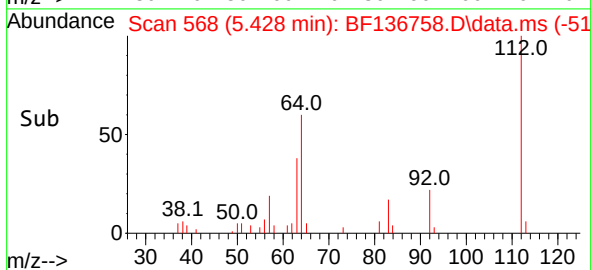
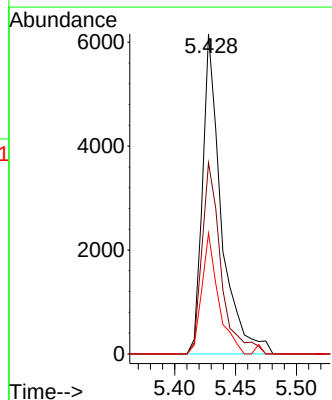
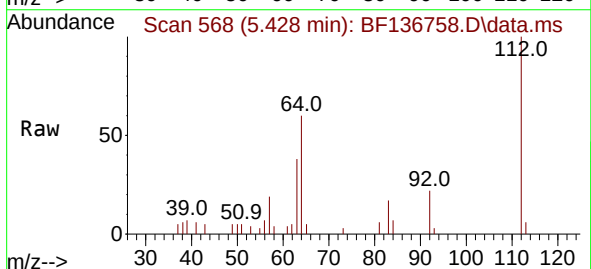
Instrument :
BNA_F
ClientSampleId :
RT-SB-06-12-13RE

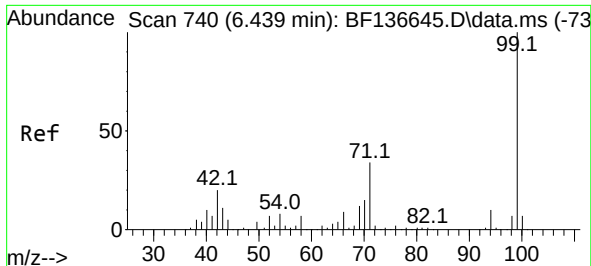
Tgt Ion:152 Resp: 66108
Ion Ratio Lower Upper
152 100
150 156.4 127.0 190.6
115 62.4 49.0 73.4



#5
2-Fluorophenol
Concen: 1.553 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136758.D
Acq: 27 Dec 2023 15:04

Tgt Ion:112 Resp: 6579
Ion Ratio Lower Upper
112 100
64 59.7 51.1 76.7
63 37.8 26.1 39.1

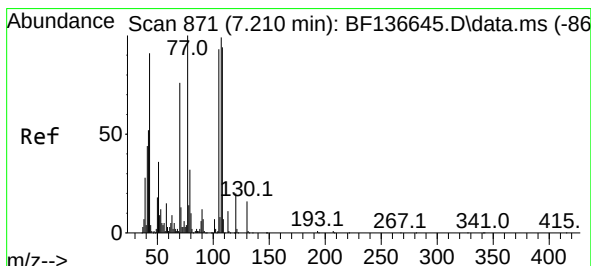
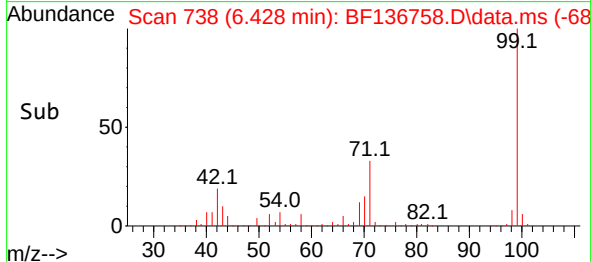
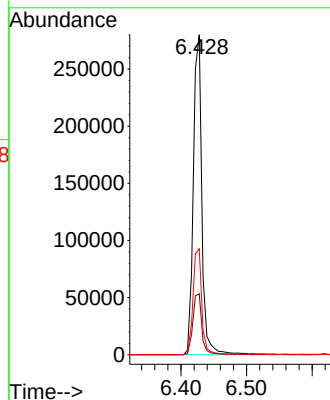
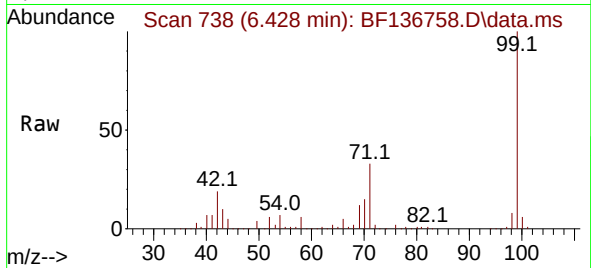




#7
Phenol-d6
Concen: 46.489 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136758.D
Acq: 27 Dec 2023 15:04

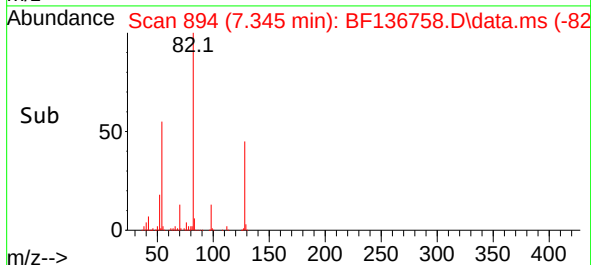
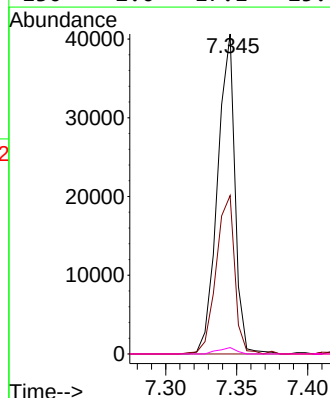
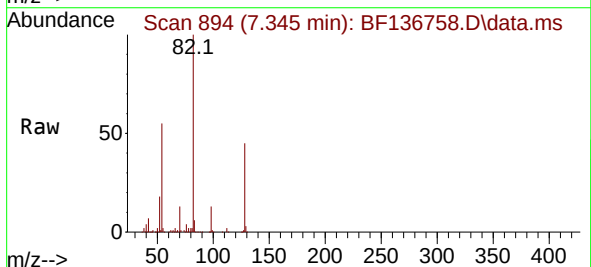
Instrument :
BNA_F
ClientSampleId :
RT-SB-06-12-13RE

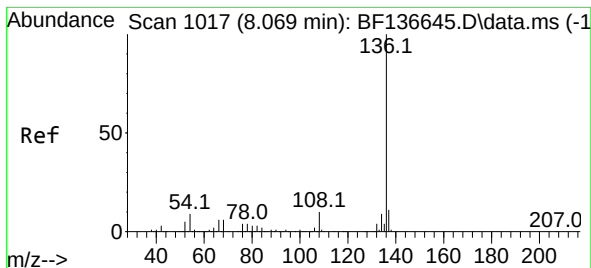
Tgt Ion: 99 Resp: 255225
Ion Ratio Lower Upper
99 100
42 19.1 16.1 24.1
71 33.1 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.403 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136758.D
Acq: 27 Dec 2023 15:04

Tgt Ion: 70 Resp: 34620
Ion Ratio Lower Upper
70 100
42 49.5 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# 1

Delta R.T. -0.012 min

Lab File: BF136758.D

Acq: 27 Dec 2023 15:04

Instrument :

BNA_F

ClientSampleId :

RT-SB-06-12-13RE

Tgt Ion:136 Resp: 237093

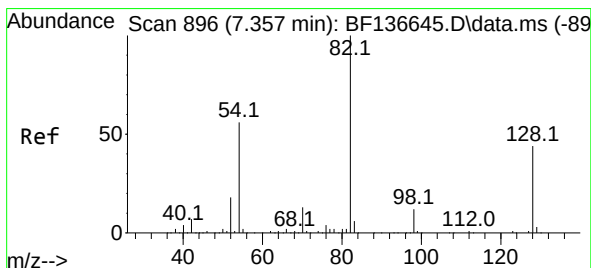
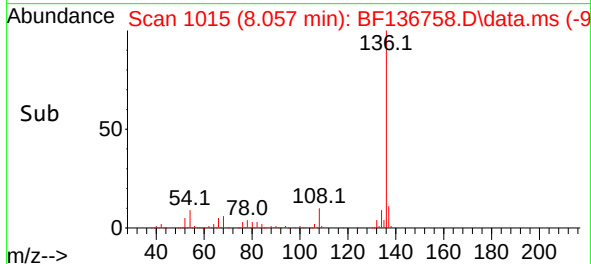
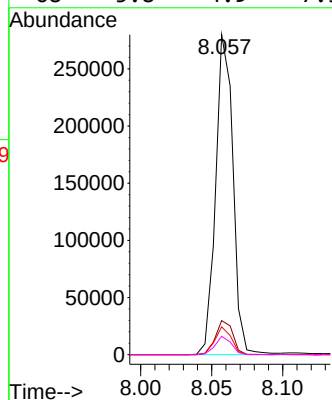
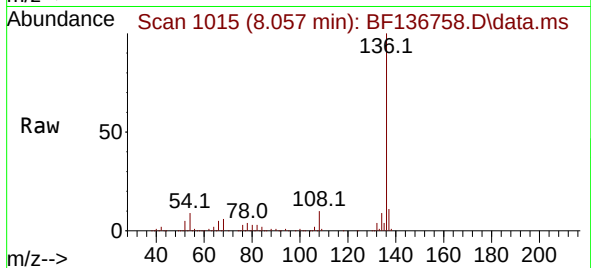
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 8.7 7.2 10.8

68 5.8 4.9 7.3



#23

Nitrobenzene-d5

Concen: 56.621 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136758.D

Acq: 27 Dec 2023 15:04

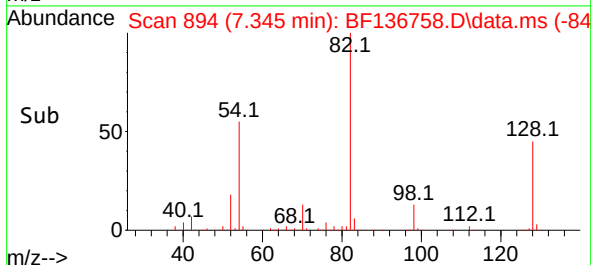
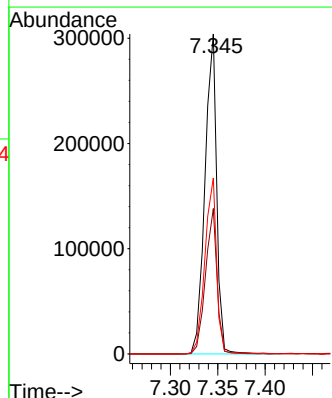
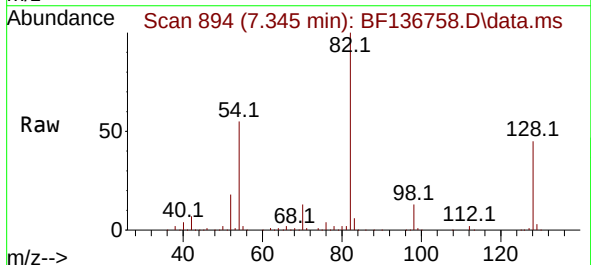
Tgt Ion: 82 Resp: 262343

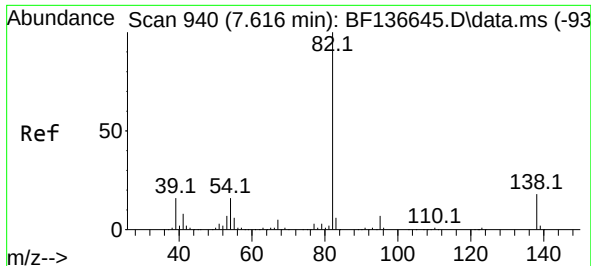
Ion Ratio Lower Upper

82 100

128 45.5 35.3 52.9

54 55.0 44.5 66.7

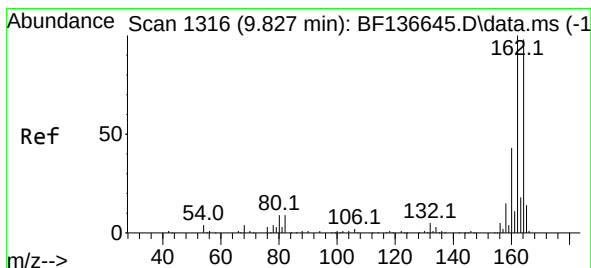
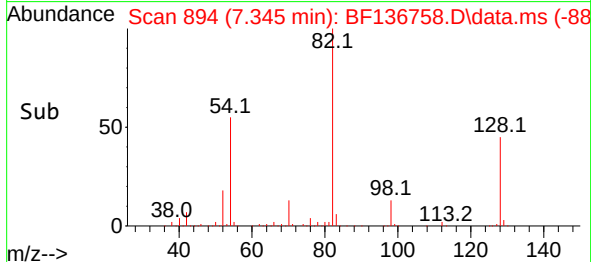
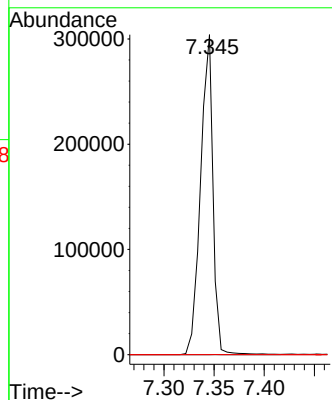
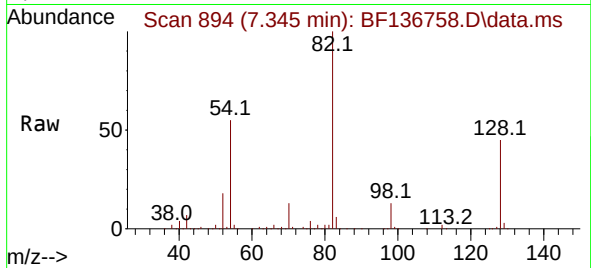




#25
Isophorone
Concen: 31.117 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF136758.D
Acq: 27 Dec 2023 15:04

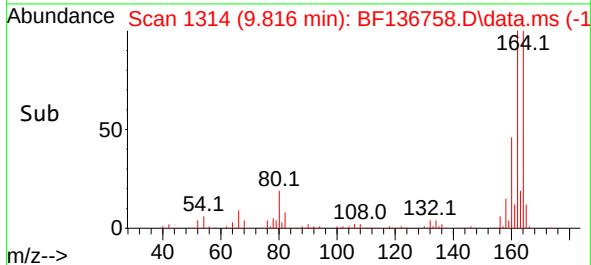
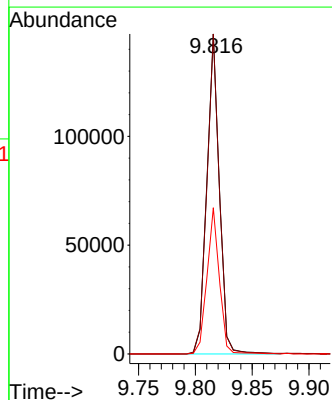
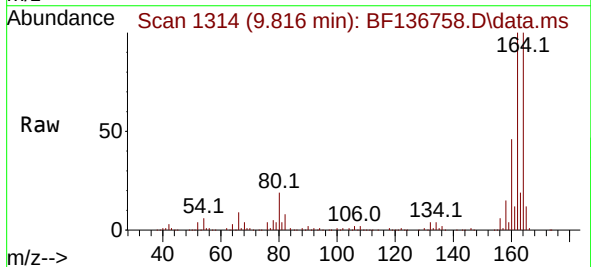
Instrument :
BNA_F
ClientSampleId :
RT-SB-06-12-13RE

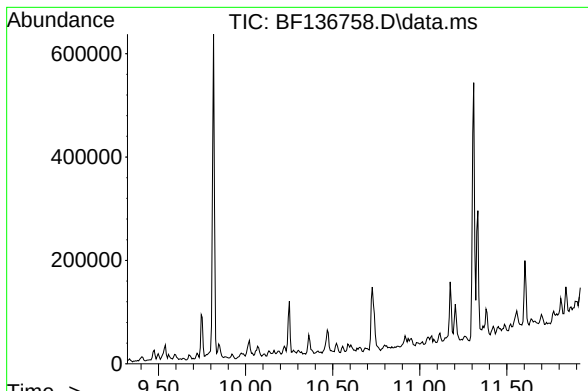
Tgt Ion: 82 Resp: 262341
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136758.D
Acq: 27 Dec 2023 15:04

Tgt Ion:164 Resp: 112255
Ion Ratio Lower Upper
164 100
162 100.0 81.6 122.4
160 45.7 34.9 52.3



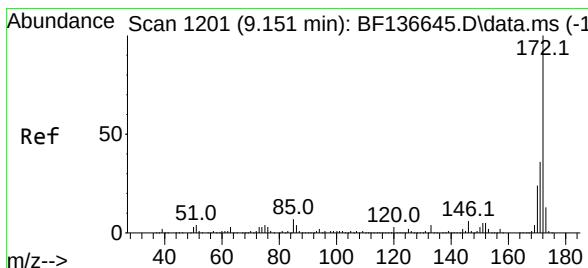
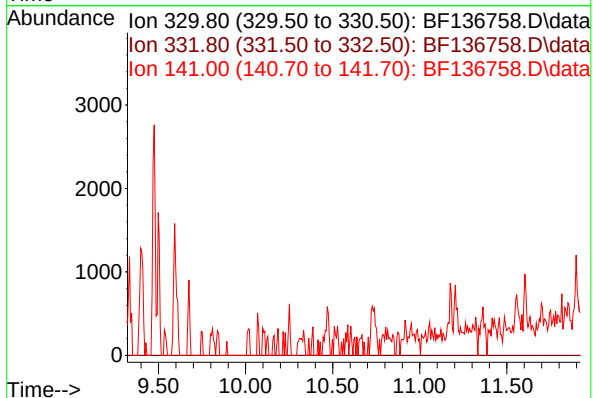


#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.62 min
 Lab File: BF136758.D
 Acq: 27 Dec 2023 15:04

Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-06-12-13RE

Tgt Ion: 330

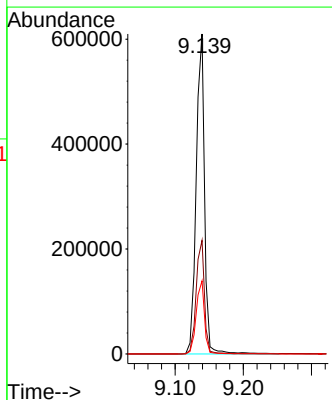
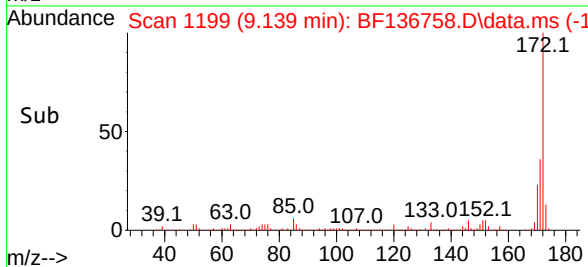
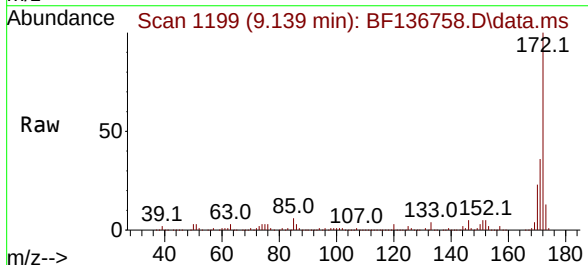
Sig	Exp Ratio
330	100
332	96.7
141	29.3

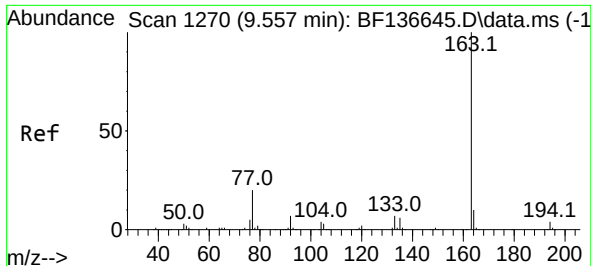


#45
 2-Fluorobiphenyl
 Concen: 62.329 ng
 RT: 9.139 min Scan# 1199
 Delta R.T. -0.012 min
 Lab File: BF136758.D
 Acq: 27 Dec 2023 15:04

Tgt Ion: 172 Resp: 520210

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.6
170	22.9	19.0	28.4

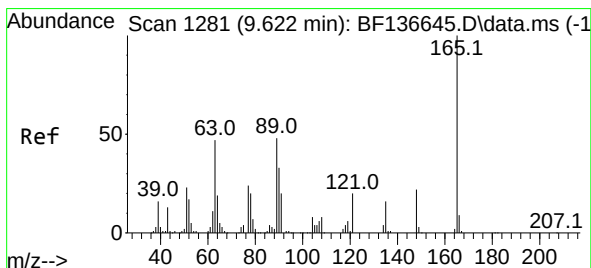
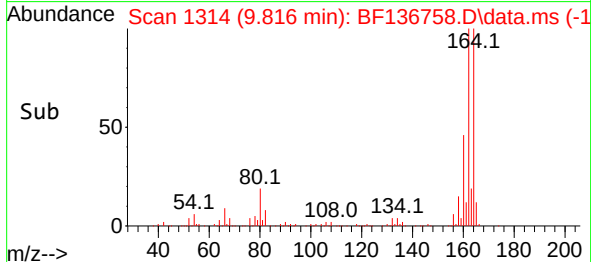
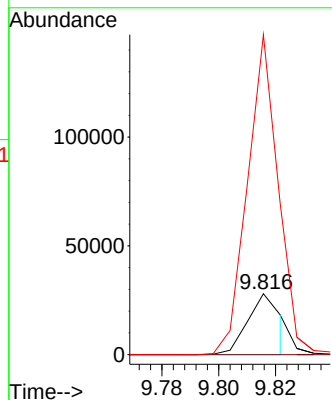
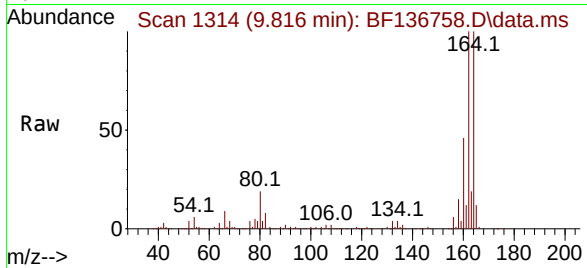




#50
Dimethylphthalate
Concen: 2.721 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136758.D
Acq: 27 Dec 2023 15:04

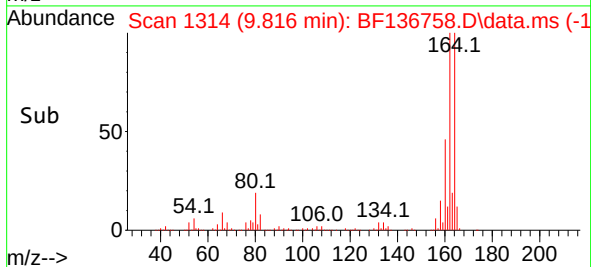
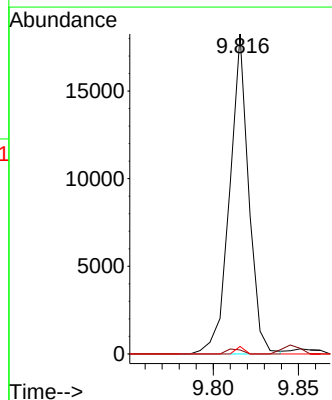
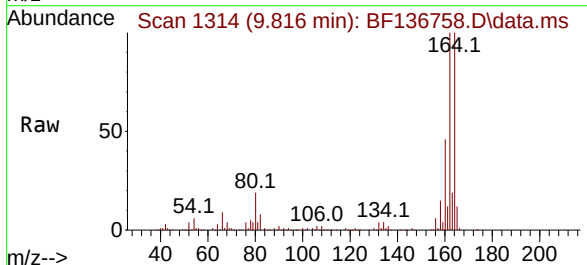
Instrument :
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ClientSampleId :
RT-SB-06-12-13RE

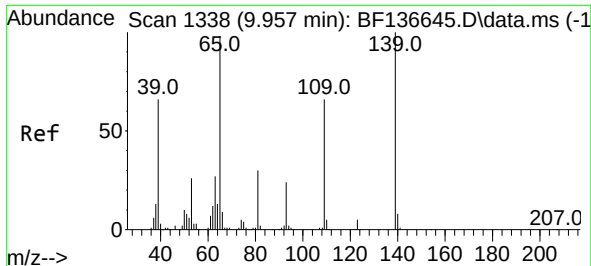
Tgt Ion:163 Resp: 22308
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 525.4 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.636 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136758.D
Acq: 27 Dec 2023 15:04

Tgt Ion:165 Resp: 14209
Ion Ratio Lower Upper
165 100
63 1.2 39.8 59.6#
89 2.4 38.8 58.2#

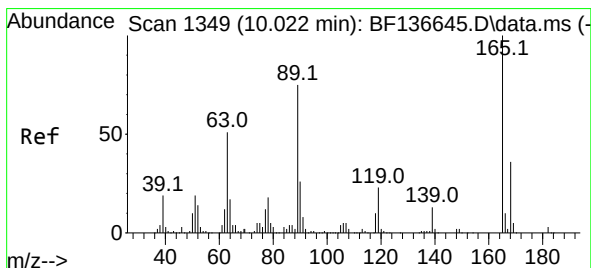
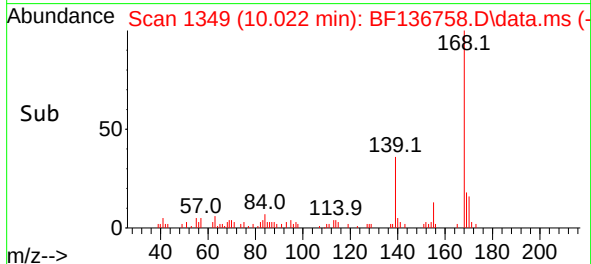
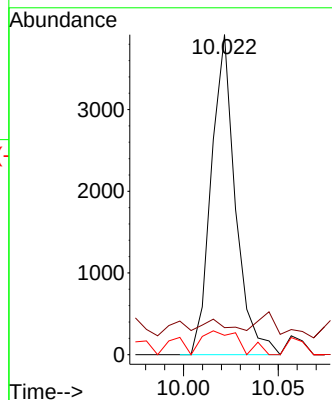
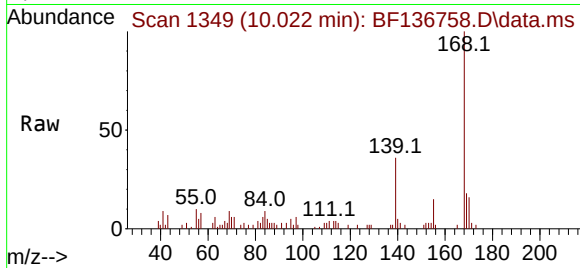




#56
4-Nitrophenol
Concen: 2.610 ng
RT: 10.022 min Scan# 11
Delta R.T. 0.065 min
Lab File: BF136758.D
Acq: 27 Dec 2023 15:04

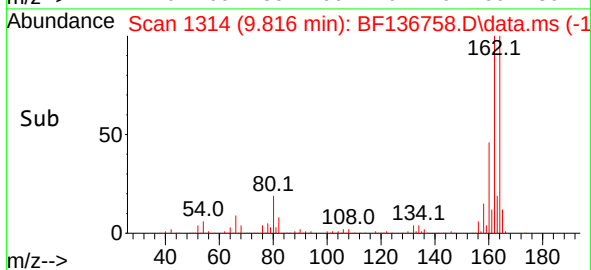
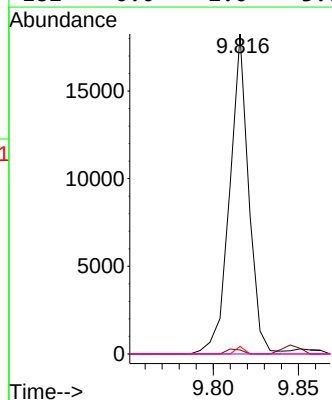
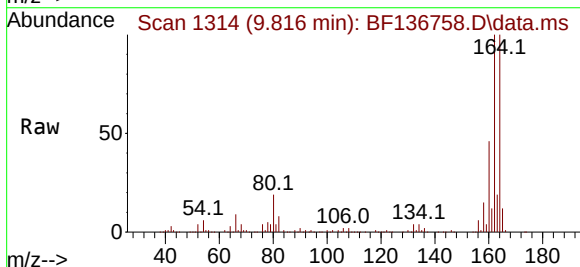
Instrument :
BNA_F
ClientSampleId :
RT-SB-06-12-13RE

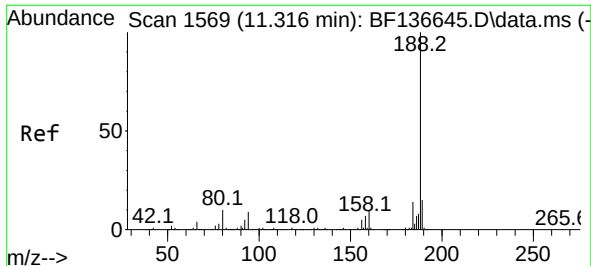
Tgt Ion:139 Resp: 3473
Ion Ratio Lower Upper
139 100
109 8.5 45.8 85.8#
65 6.0 77.8 117.8#



#57
2,4-Dinitrotoluene
Concen: 5.882 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.206 min
Lab File: BF136758.D
Acq: 27 Dec 2023 15:04

Tgt Ion:165 Resp: 14209
Ion Ratio Lower Upper
165 100
63 1.2 41.0 61.6#
89 2.4 59.9 89.9#
182 0.0 2.0 3.0#

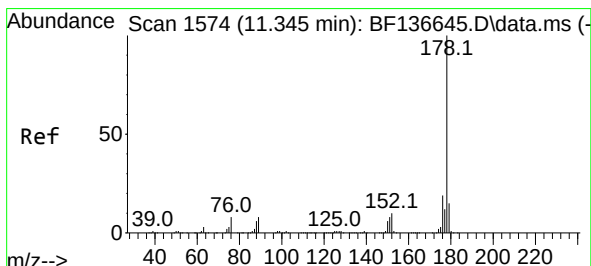
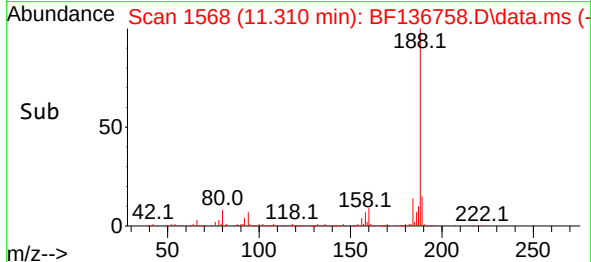
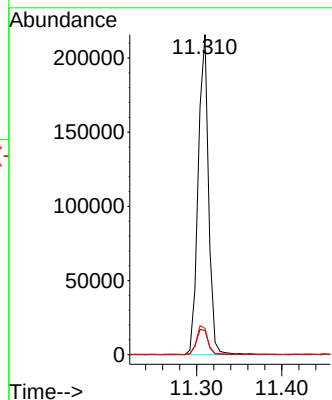
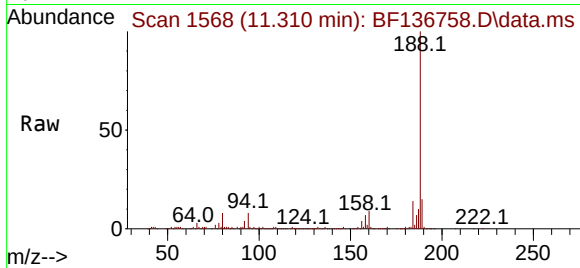




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136758.D
Acq: 27 Dec 2023 15:04

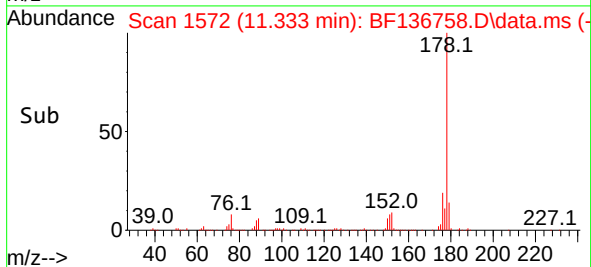
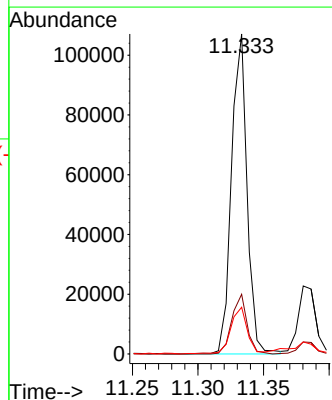
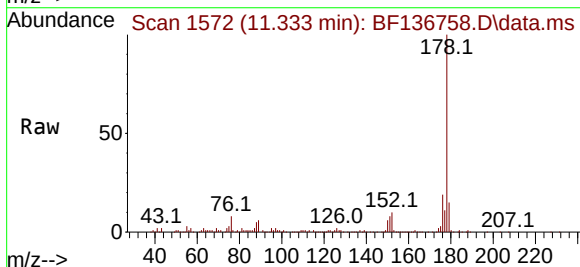
Instrument :
BNA_F
ClientSampleId :
RT-SB-06-12-13RE

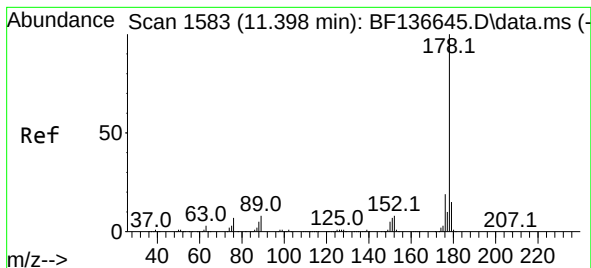
Tgt Ion:188 Resp: 182527
Ion Ratio Lower Upper
188 100
94 7.5 7.5 11.3
80 8.2 8.1 12.1



#71
Phenanthrene
Concen: 9.438 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136758.D
Acq: 27 Dec 2023 15:04

Tgt Ion:178 Resp: 88390
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 14.6 11.9 17.9





#72

Anthracene

Concen: 2.090 ng

RT: 11.380 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF136758.D

Acq: 27 Dec 2023 15:04

Instrument :

BNA_F

ClientSampleId :

RT-SB-06-12-13RE

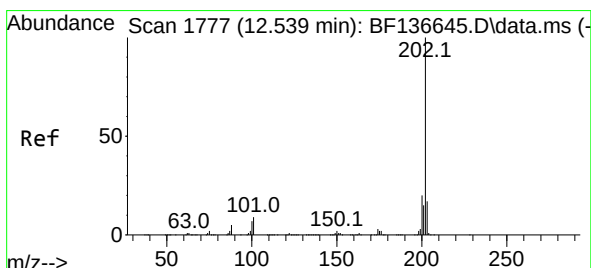
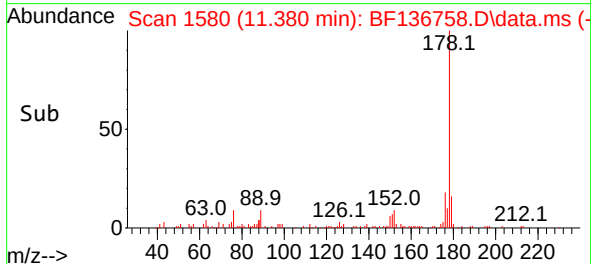
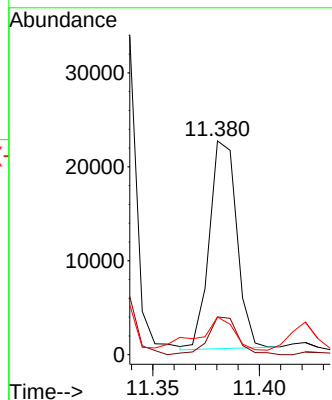
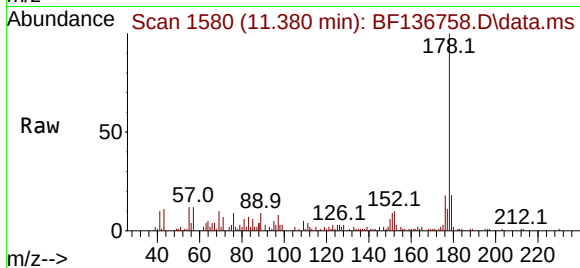
Tgt Ion:178 Resp: 19820

Ion Ratio Lower Upper

178 100

176 17.7 14.9 22.3

179 17.6 11.8 17.6



#75

Fluoranthene

Concen: 9.555 ng

RT: 12.527 min Scan# 1775

Delta R.T. -0.012 min

Lab File: BF136758.D

Acq: 27 Dec 2023 15:04

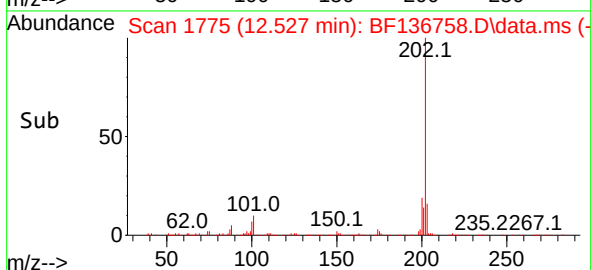
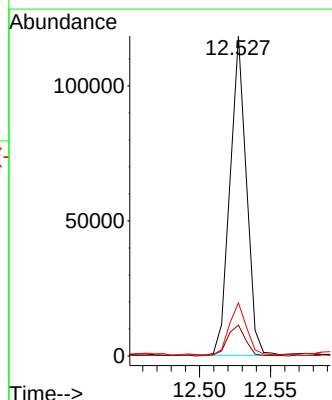
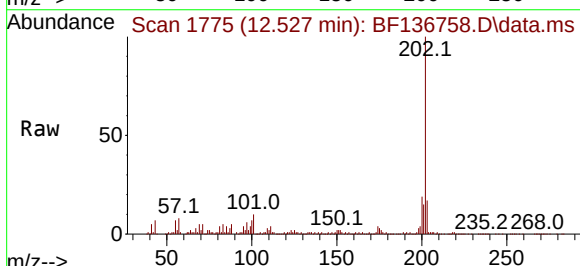
Tgt Ion:202 Resp: 95725

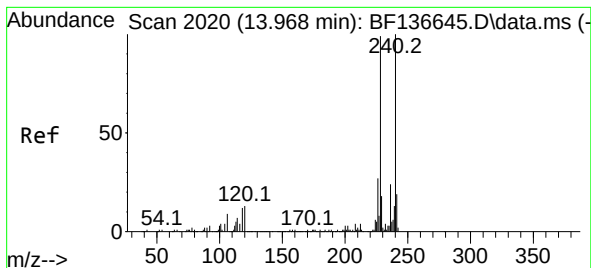
Ion Ratio Lower Upper

202 100

101 9.6 0.0 29.3

203 16.6 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136758.D

Acq: 27 Dec 2023 15:04

Instrument :

BNA_F

ClientSampleId :

RT-SB-06-12-13RE

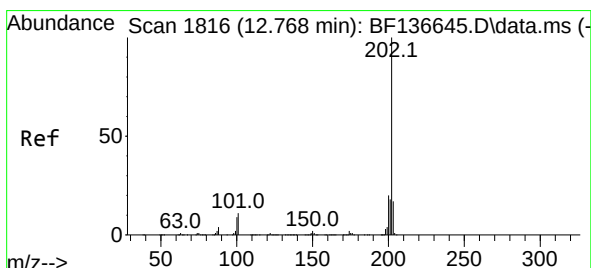
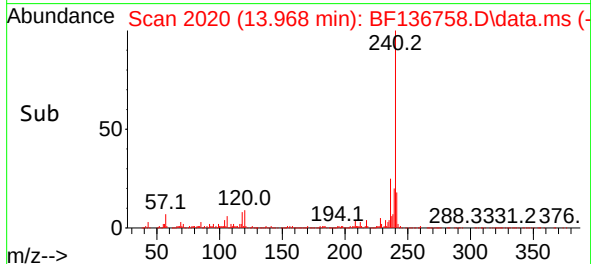
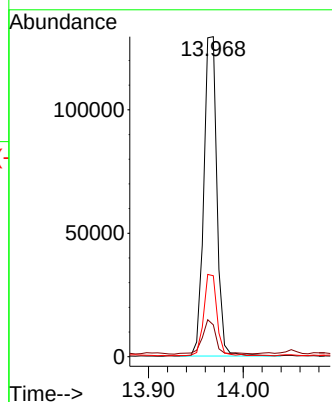
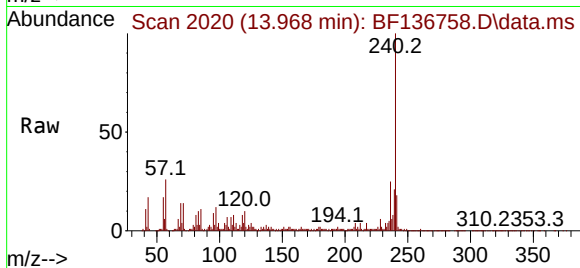
Tgt Ion:240 Resp: 124710

Ion Ratio Lower Upper

240 100

120 9.9 10.3 15.5#

236 25.3 19.4 29.2



#78

Pyrene

Concen: 6.176 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136758.D

Acq: 27 Dec 2023 15:04

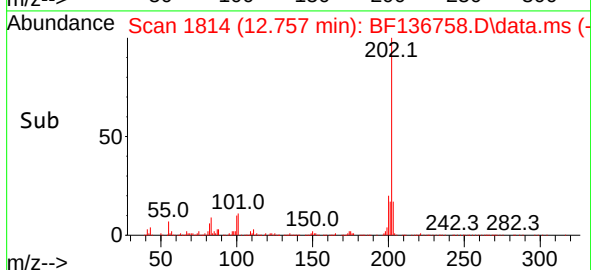
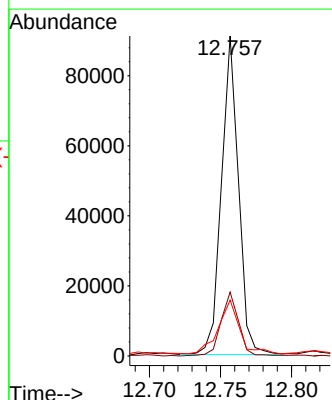
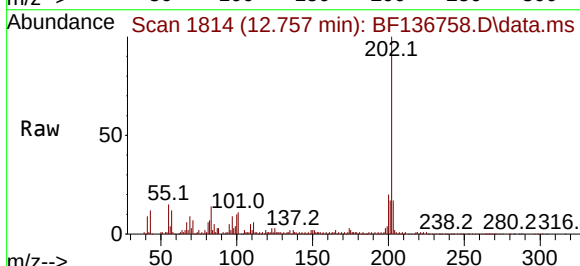
Tgt Ion:202 Resp: 75612

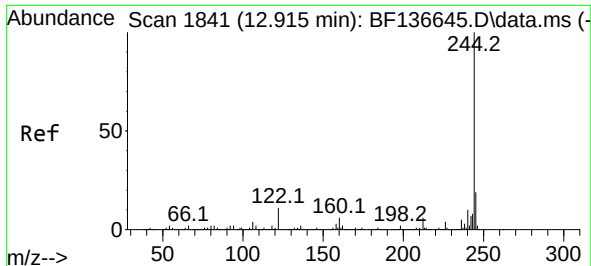
Ion Ratio Lower Upper

202 100

200 19.9 15.9 23.9

203 17.4 13.8 20.6

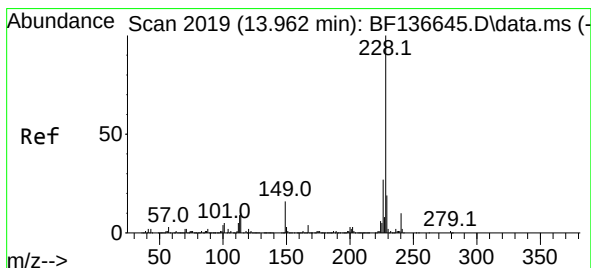
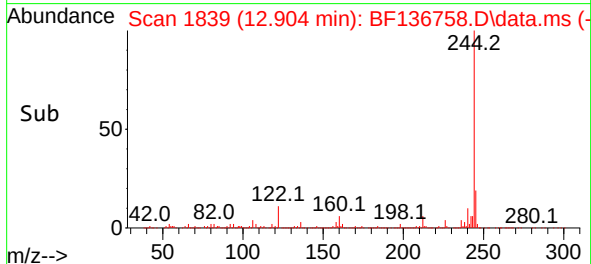
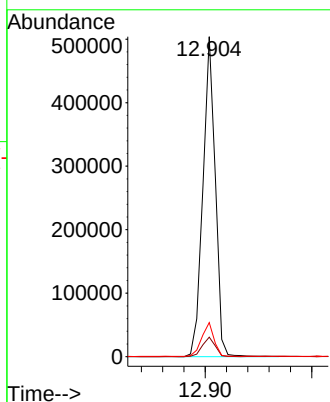
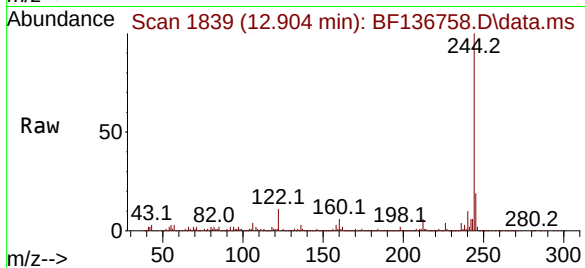




#79
 Terphenyl-d14
 Concen: 45.701 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.012 min
 Lab File: BF136758.D
 Acq: 27 Dec 2023 15:04

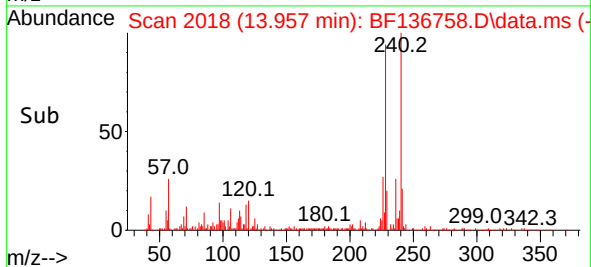
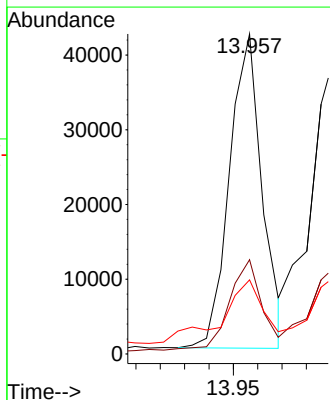
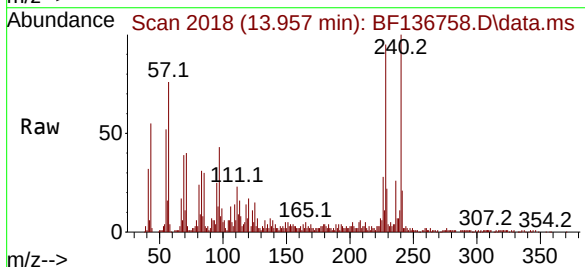
Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-06-12-13RE

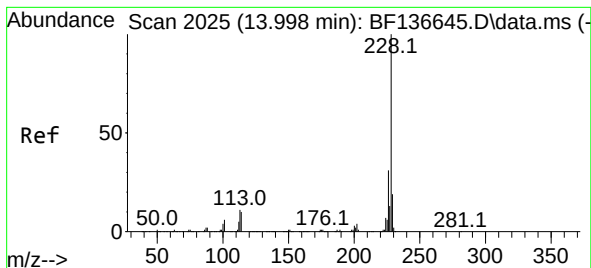
Tgt Ion:244 Resp: 407838
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.0 7.4
 122 10.6 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 4.538 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF136758.D
 Acq: 27 Dec 2023 15:04

Tgt Ion:228 Resp: 39298
 Ion Ratio Lower Upper
 228 100
 226 29.5 21.4 32.0
 229 23.1 14.9 22.3#





#83

Chrysene

Concen: 4.856 ng

RT: 13.992 min Scan# 2025

Delta R.T. -0.006 min

Lab File: BF136758.D

Acq: 27 Dec 2023 15:04

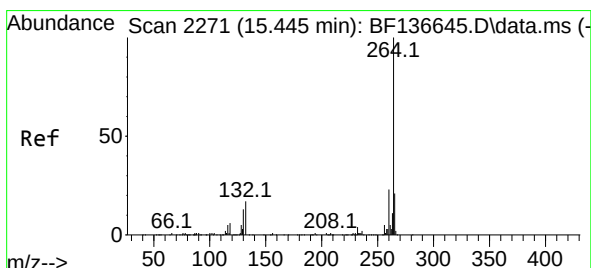
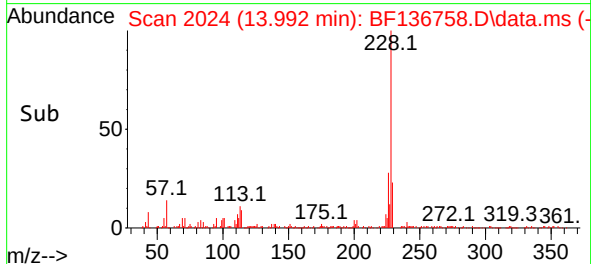
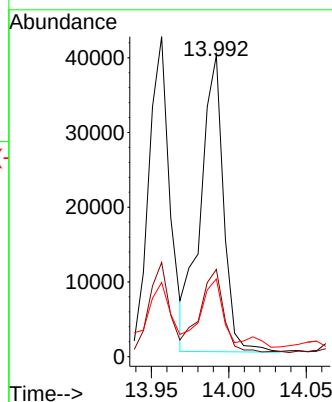
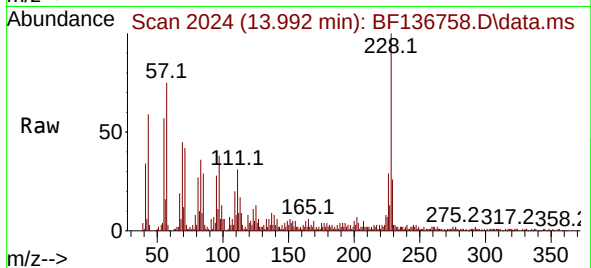
Instrument :

BNA_F

ClientSampleId :

RT-SB-06-12-13RE

Tgt Ion:228	Resp:	41118
Ion Ratio	Lower	Upper
228	100	
226	28.9	24.7 37.1
229	25.8	15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

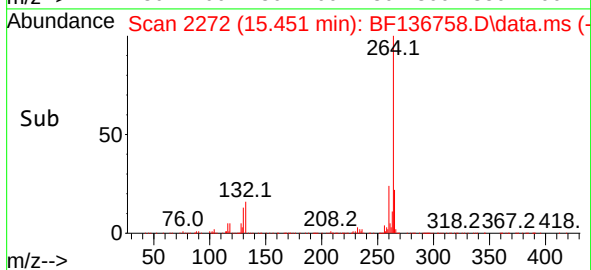
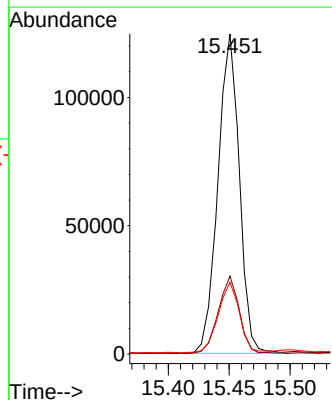
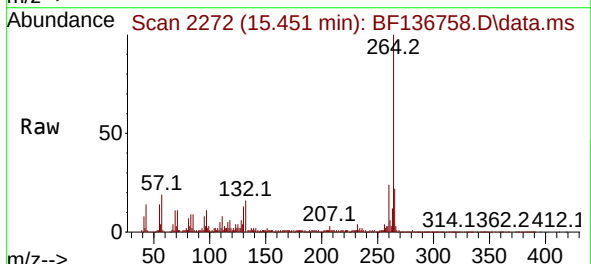
RT: 15.451 min Scan# 2272

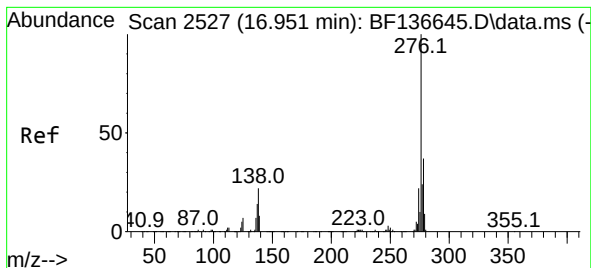
Delta R.T. 0.006 min

Lab File: BF136758.D

Acq: 27 Dec 2023 15:04

Tgt Ion:264	Resp:	152440
Ion Ratio	Lower	Upper
264	100	
260	24.3	18.3 27.5
265	22.4	17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.102 ng

RT: 16.945 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136758.D

Acq: 27 Dec 2023 15:04

Instrument :

BNA_F

ClientSampleId :

RT-SB-06-12-13RE

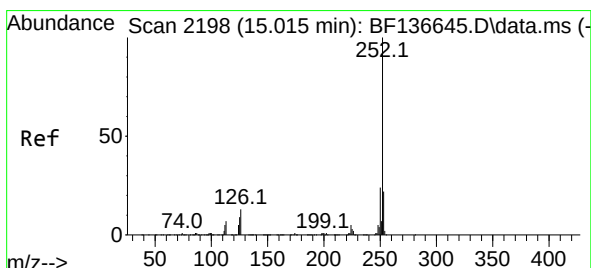
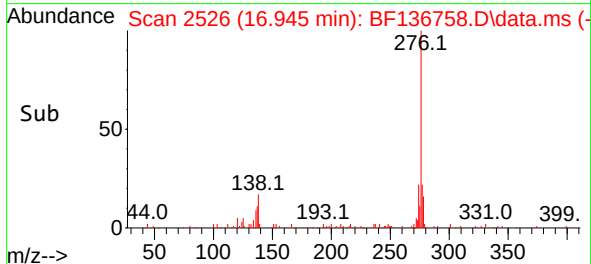
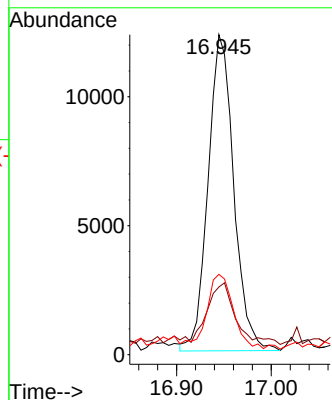
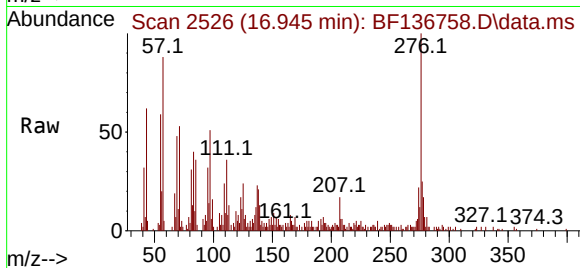
Tgt Ion:276 Resp: 23134

Ion Ratio Lower Upper

276 100

138 21.2 18.7 28.1

277 23.3 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 6.257 ng

RT: 15.015 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF136758.D

Acq: 27 Dec 2023 15:04

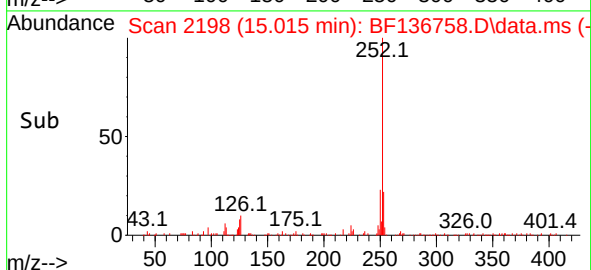
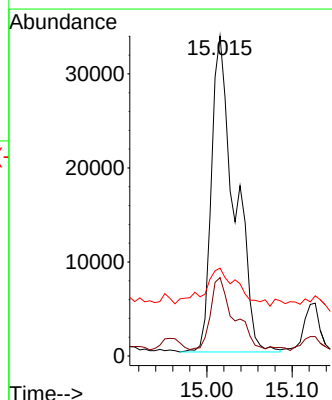
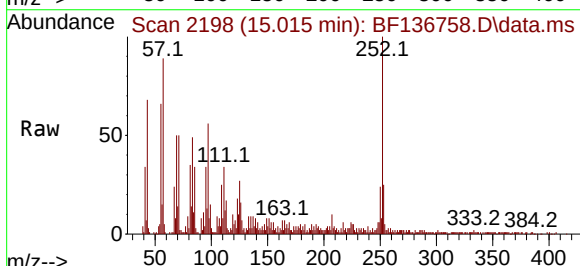
Tgt Ion:252 Resp: 63708

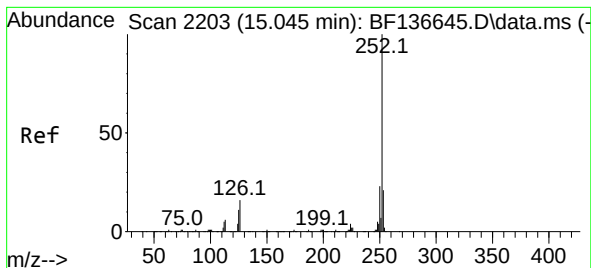
Ion Ratio Lower Upper

252 100

253 24.5 17.4 26.0

125 27.5 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 6.622 ng

RT: 15.015 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF136758.D

Acq: 27 Dec 2023 15:04

Instrument :

BNA_F

ClientSampleId :

RT-SB-06-12-13RE

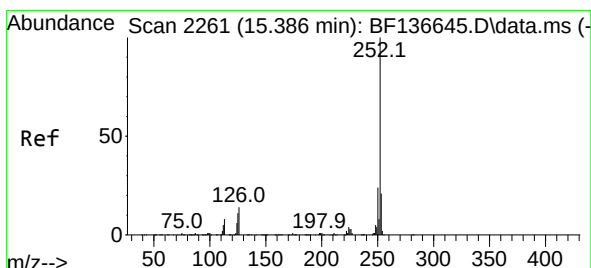
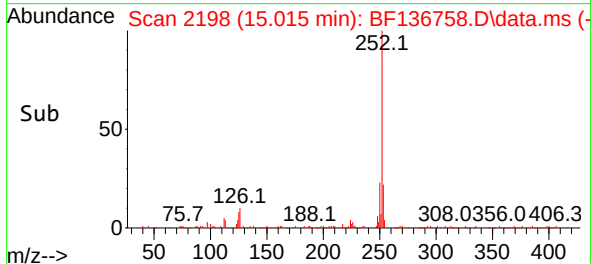
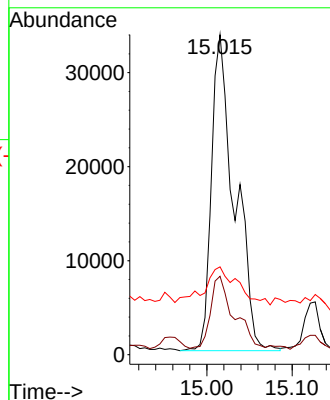
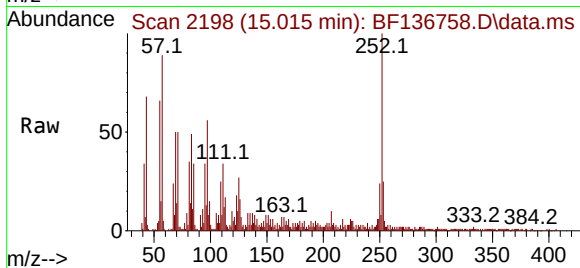
Tgt Ion:252 Resp: 63708

Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.6

125 27.5 8.2 12.4#



#90

Benzo(a)pyrene

Concen: 3.838 ng

RT: 15.380 min Scan# 2260

Delta R.T. -0.006 min

Lab File: BF136758.D

Acq: 27 Dec 2023 15:04

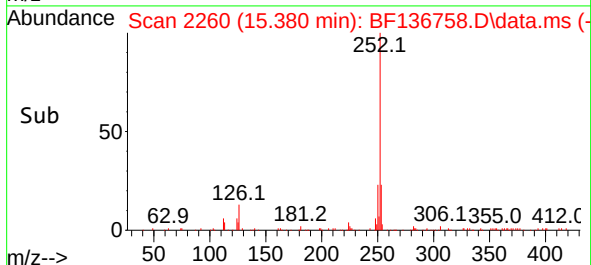
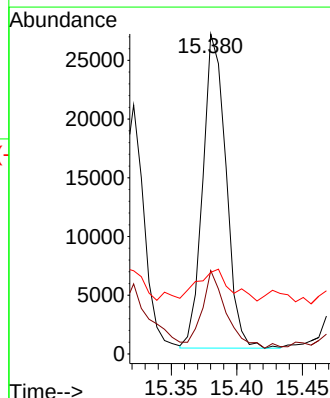
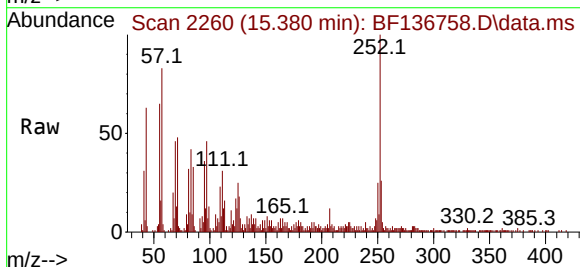
Tgt Ion:252 Resp: 32982

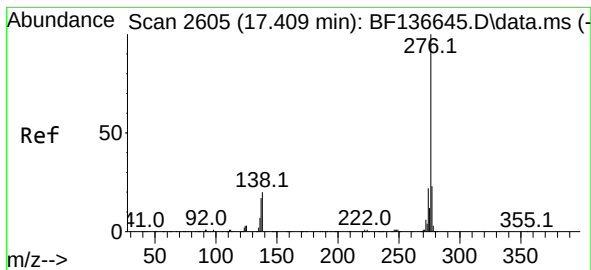
Ion Ratio Lower Upper

252 100

253 26.0 17.0 25.6#

125 25.5 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 2.402 ng

RT: 17.403 min Scan# 2

Delta R.T. -0.006 min

Lab File: BF136758.D

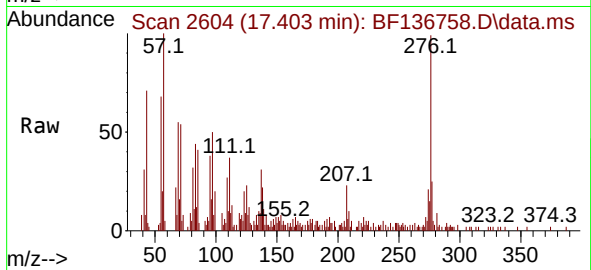
Acq: 27 Dec 2023 15:04

Instrument :

BNA_F

ClientSampleId :

RT-SB-06-12-13RE



Tgt Ion:276 Resp: 22210

Ion Ratio Lower Upper

276 100

277 25.1 18.3 27.5

138 22.7 15.6 23.4

