

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136698.D
 Acq On : 22 Dec 2023 21:51
 Operator : CG\JU
 Sample : 05765-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-02-10-11

Quant Time: Dec 23 01:56:27 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

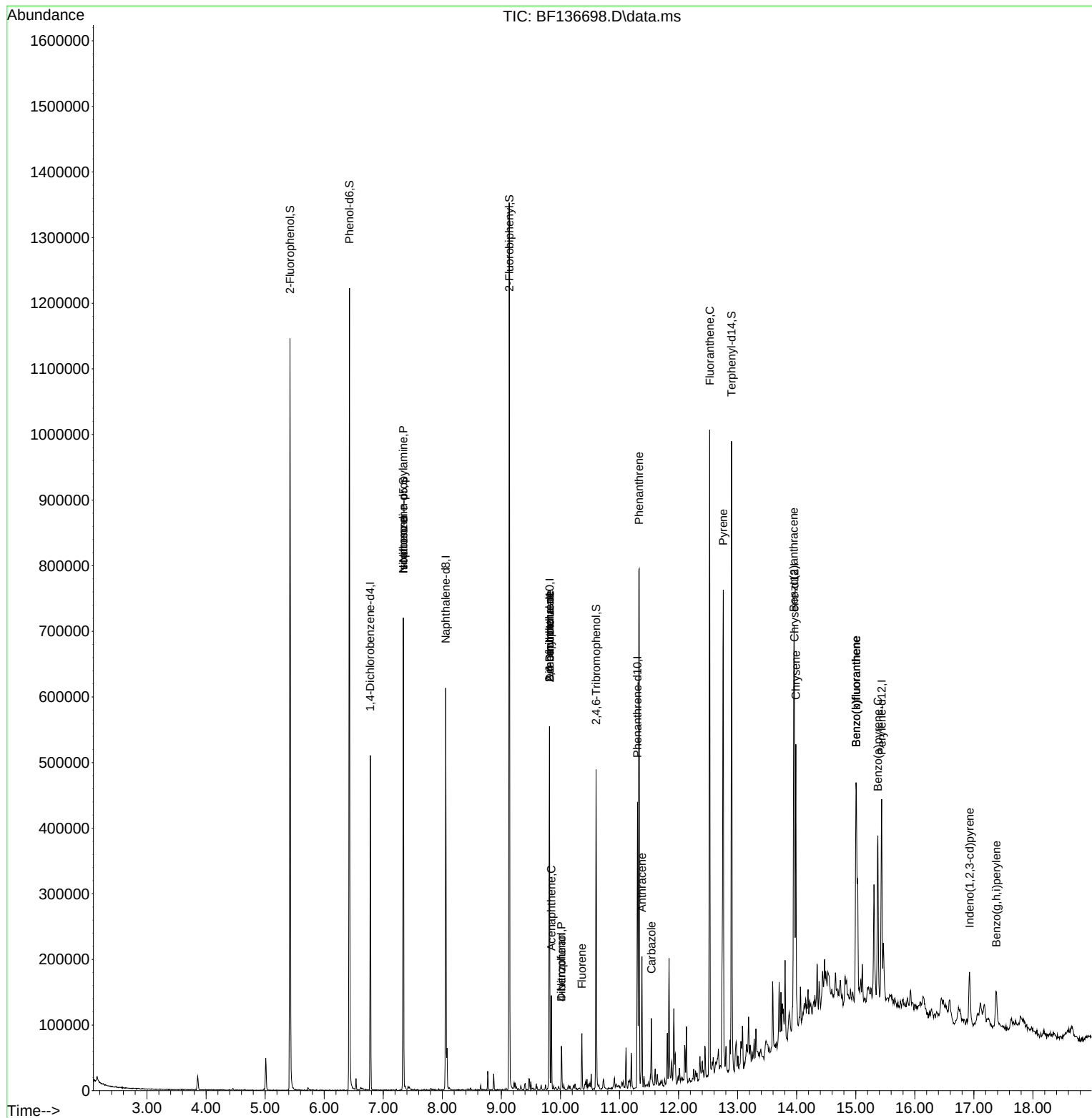
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.780	152	68127	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	236388	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	101828	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	152205	20.000	ng	-0.01
76) Chrysene-d12	13.962	240	136256	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	136924	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	283457	64.919	ng	0.00
7) Phenol-d6	6.428	99	361204	63.843	ng	-0.01
23) Nitrobenzene-d5	7.339	82	217000	46.974	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	54614	45.540	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	402316	53.140	ng	-0.02
79) Terphenyl-d14	12.898	244	311631	31.961	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.339	70	28418	8.286	ng	# 75
25) Isophorone	7.339	82	216998	25.815	ng	# 65
50) Dimethylphthalate	9.816	163	21202	2.851	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	13720	8.128	ng	# 30
52) Acenaphthene	9.845	154	25603	4.160	ng	98
55) Dibenzofuran	10.016	168	23614	2.531	ng	96
56) 4-Nitrophenol	10.016	139	8101	6.711	ng	# 9
57) 2,4-Dinitrotoluene	9.816	165	13720	6.261	ng	# 21
58) Fluorene	10.363	166	21193	2.863	ng	97
71) Phenanthrene	11.333	178	306615	39.261	ng	99
72) Anthracene	11.380	178	66510	8.409	ng	99
73) Carbazole	11.539	167	37785	5.067	ng	98
75) Fluoranthene	12.527	202	375283	44.924	ng	99
78) Pyrene	12.757	202	309215	23.117	ng	98
81) Benzo(a)anthracene	13.951	228	178118	18.826	ng	98
83) Chrysene	13.986	228	157172	16.987	ng	96
87) Indeno(1,2,3-cd)pyrene	16.927	276	53531	5.415	ng	96
88) Benzo(b)fluoranthene	15.009	252	256713	28.071	ng	98
89) Benzo(k)fluoranthene	15.009	252	256713	29.707	ng	98
90) Benzo(a)pyrene	15.374	252	119023	15.418	ng	97
92) Benzo(g,h,i)perylene	17.380	276	46237	5.566	ng	97

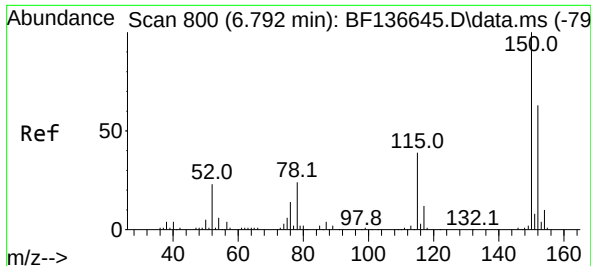
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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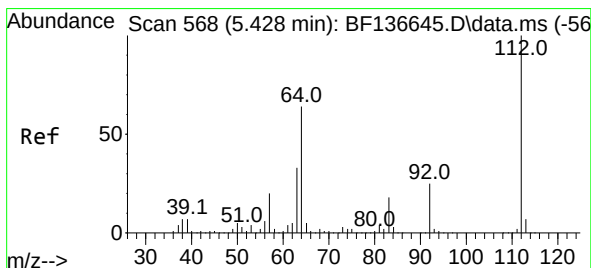
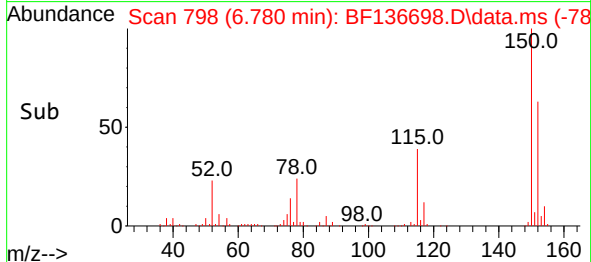
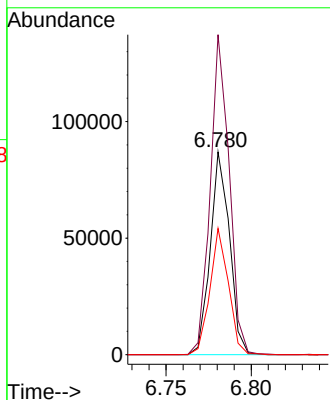
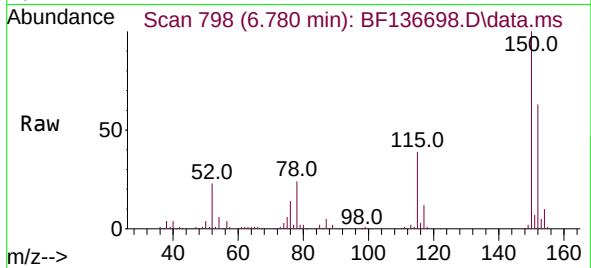




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.780 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF136698.D
Acq: 22 Dec 2023 21:51

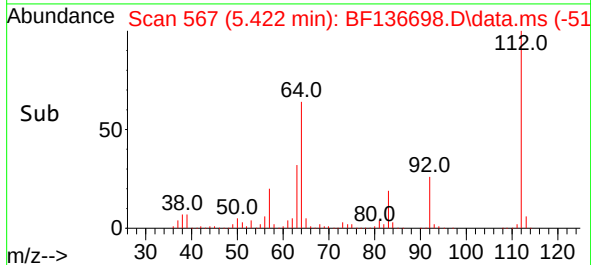
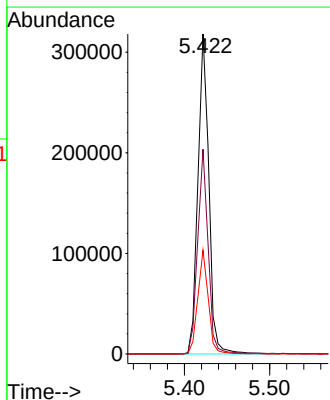
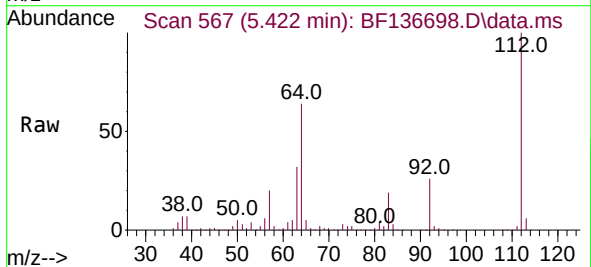
Instrument :
BNA_F
ClientSampleId :
RT-SB-02-10-11

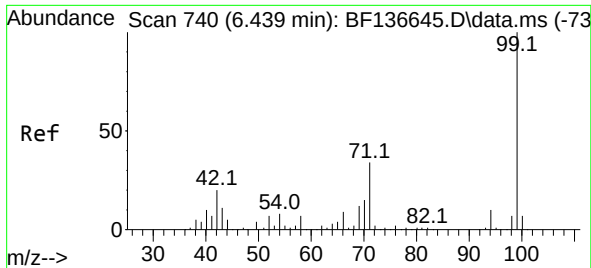
Tgt Ion:152 Resp: 68127
Ion Ratio Lower Upper
152 100
150 157.8 127.0 190.6
115 62.3 49.0 73.4



#5
2-Fluorophenol
Concen: 64.919 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136698.D
Acq: 22 Dec 2023 21:51

Tgt Ion:112 Resp: 283457
Ion Ratio Lower Upper
112 100
64 64.0 51.1 76.7
63 32.4 26.1 39.1

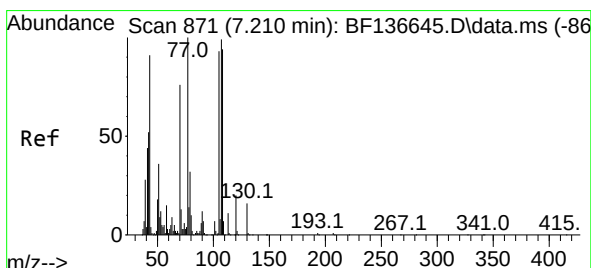
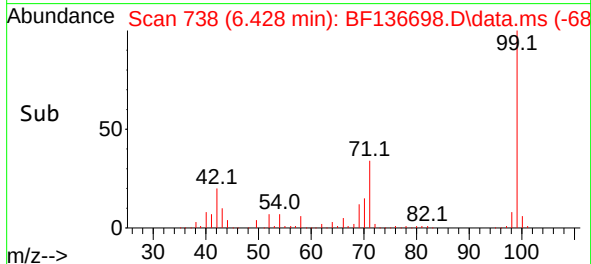
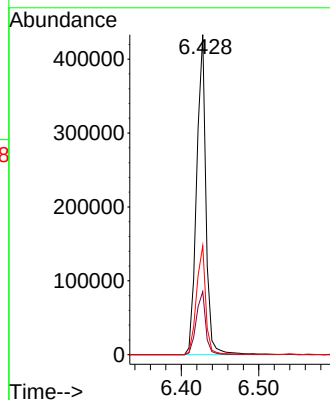
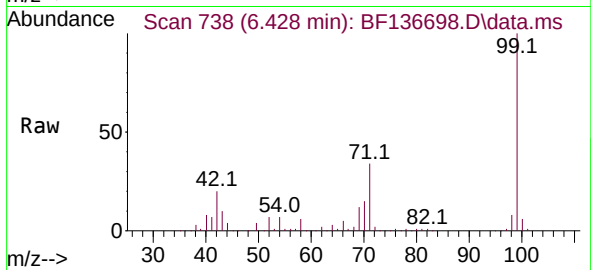




#7
Phenol-d6
Concen: 63.843 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136698.D
Acq: 22 Dec 2023 21:51

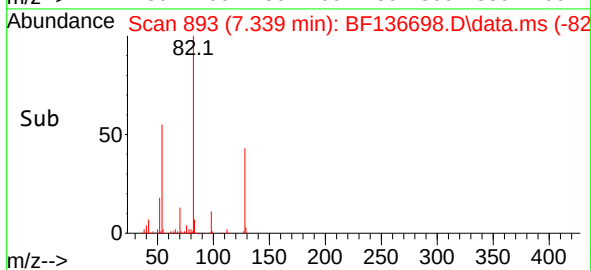
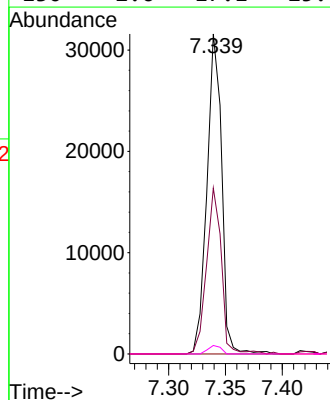
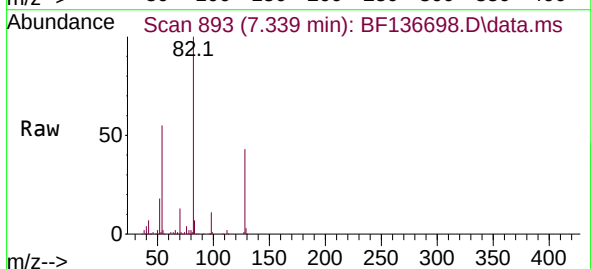
Instrument :
BNA_F
ClientSampleId :
RT-SB-02-10-11

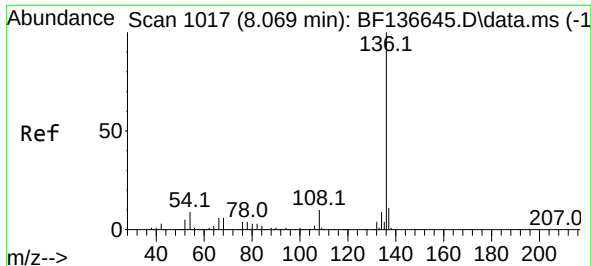
Tgt Ion: 99 Resp: 361204
Ion Ratio Lower Upper
99 100
42 19.7 16.1 24.1
71 34.0 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 8.286 ng
RT: 7.339 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF136698.D
Acq: 22 Dec 2023 21:51

Tgt Ion: 70 Resp: 28418
Ion Ratio Lower Upper
70 100
42 51.8 54.2 81.4#
101 0.0 7.6 11.4#
130 2.6 17.1 25.7#



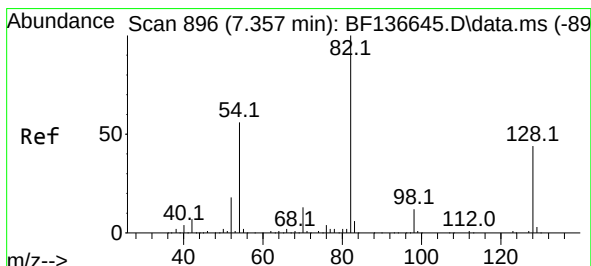
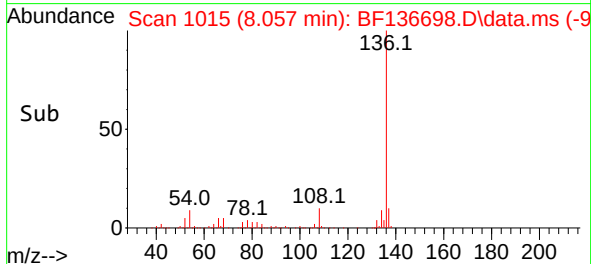
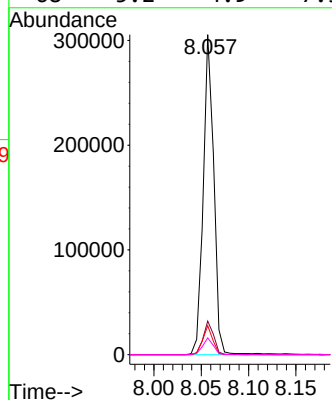
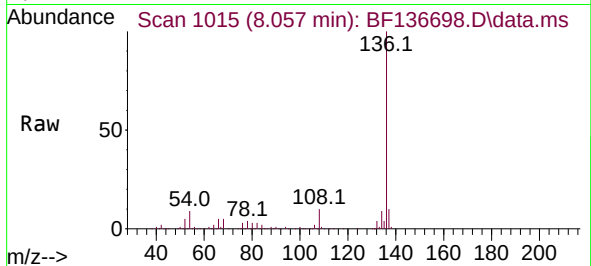


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136698.D
Acq: 22 Dec 2023 21:51

Instrument :
BNA_F
ClientSampleId :
RT-SB-02-10-11

Tgt Ion:136 Resp: 236388

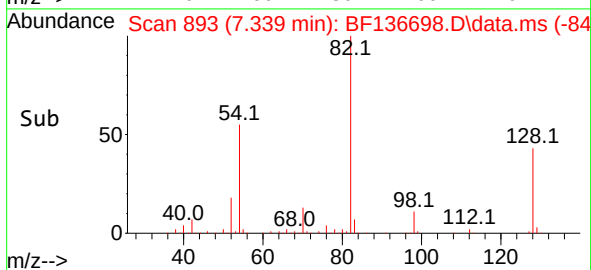
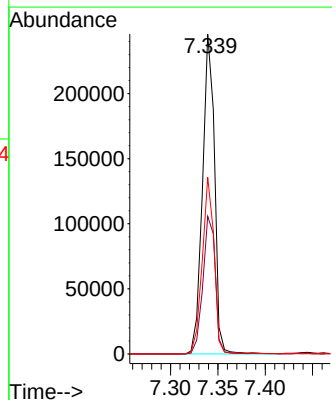
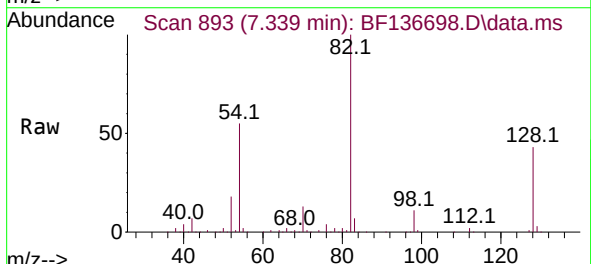
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.4
54	9.0	7.2	10.8
68	5.2	4.9	7.3

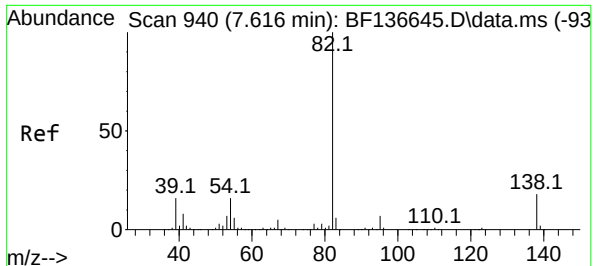


#23
Nitrobenzene-d5
Concen: 46.974 ng
RT: 7.339 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF136698.D
Acq: 22 Dec 2023 21:51

Tgt Ion: 82 Resp: 217000

Ion	Ratio	Lower	Upper
82	100		
128	43.0	35.3	52.9
54	55.2	44.5	66.7

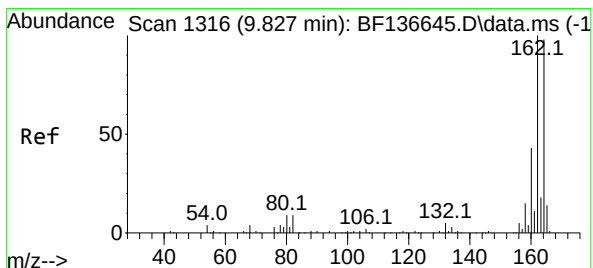
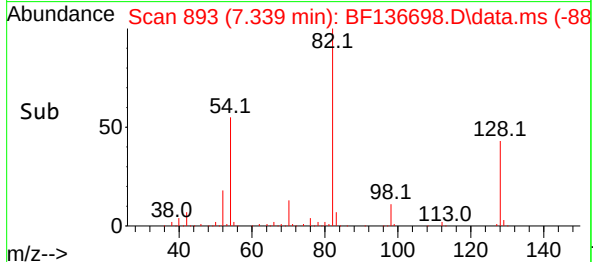
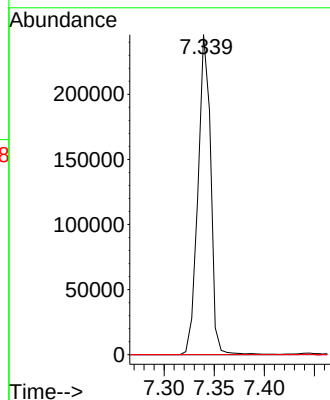
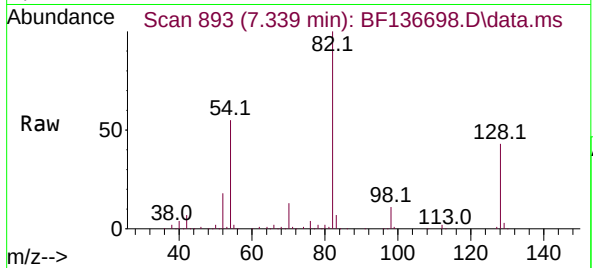




#25
Isophorone
Concen: 25.815 ng
RT: 7.339 min Scan# 89
Delta R.T. -0.277 min
Lab File: BF136698.D
Acq: 22 Dec 2023 21:51

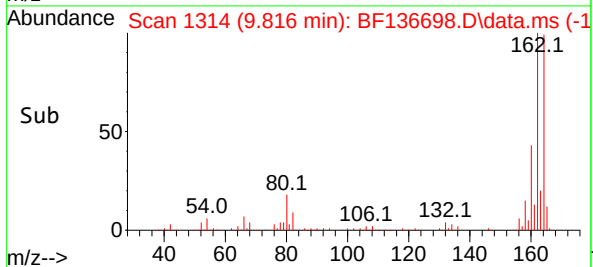
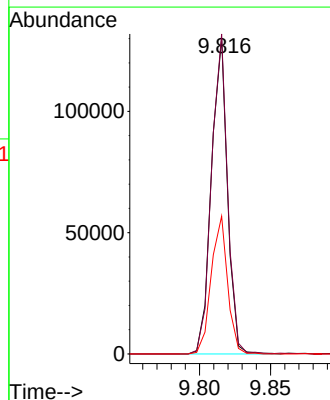
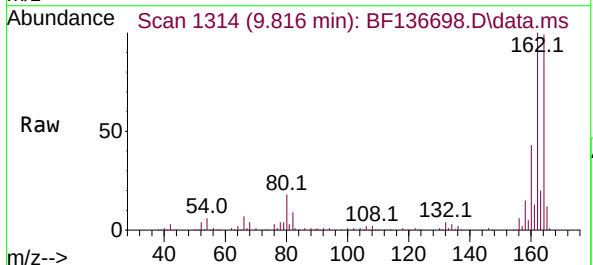
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BNA_F
ClientSampleId :
RT-SB-02-10-11

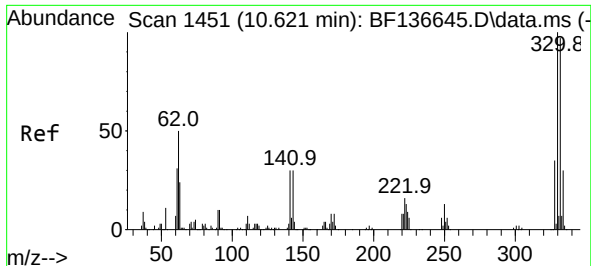
Tgt Ion: 82 Resp: 216998
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136698.D
Acq: 22 Dec 2023 21:51

Tgt Ion:164 Resp: 101828
Ion Ratio Lower Upper
164 100
162 101.3 81.6 122.4
160 43.6 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 45.540 ng

RT: 10.604 min Scan# 1451

Delta R.T. -0.018 min

Lab File: BF136698.D

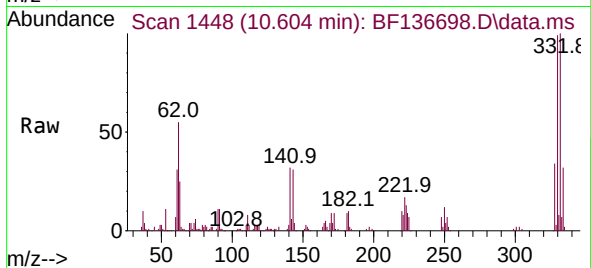
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Instrument :

BNA_F

ClientSampleId :

RT-SB-02-10-11



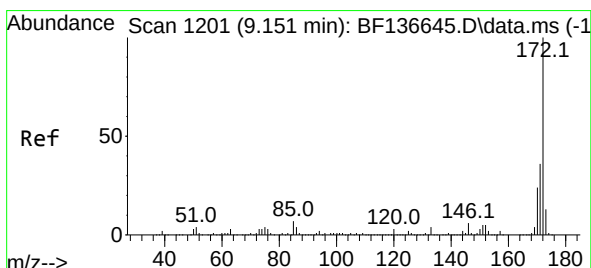
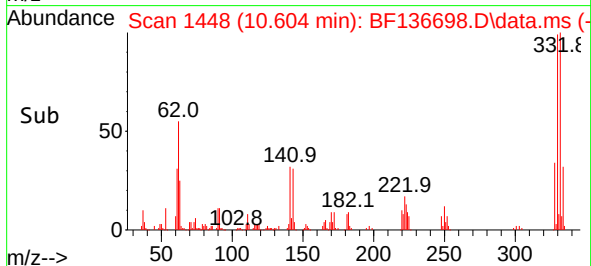
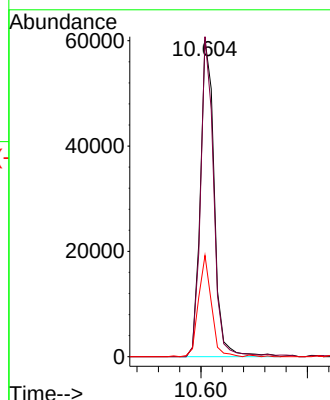
Tgt Ion:330 Resp: 54614

Ion Ratio Lower Upper

330 100

332 94.9 77.4 116.0

141 29.7 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 53.140 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136698.D

Acq: 22 Dec 2023 21:51

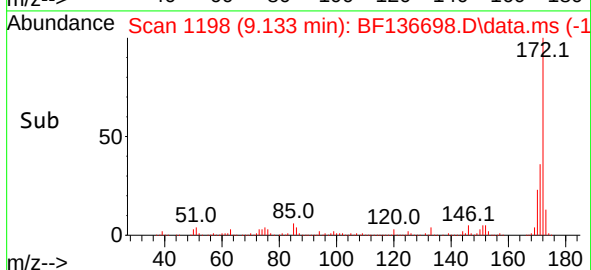
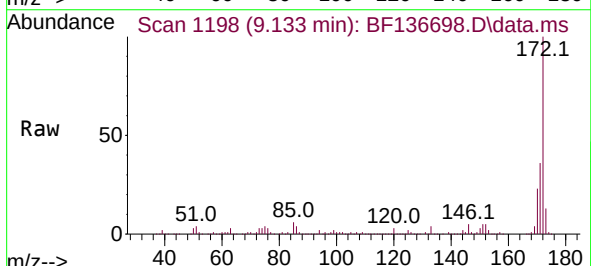
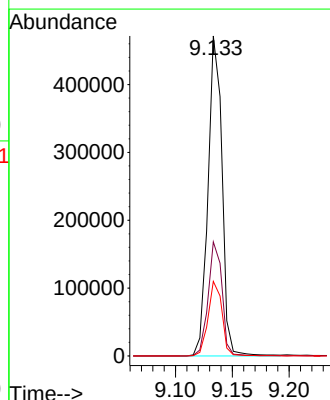
Tgt Ion:172 Resp: 402316

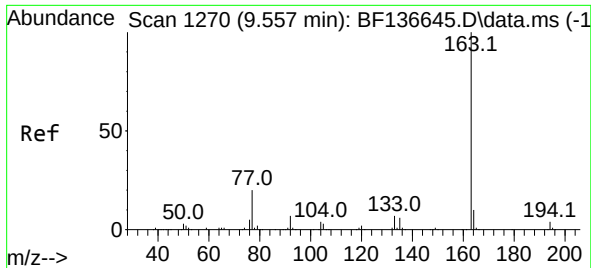
Ion Ratio Lower Upper

172 100

171 35.6 29.0 43.6

170 23.3 19.0 28.4

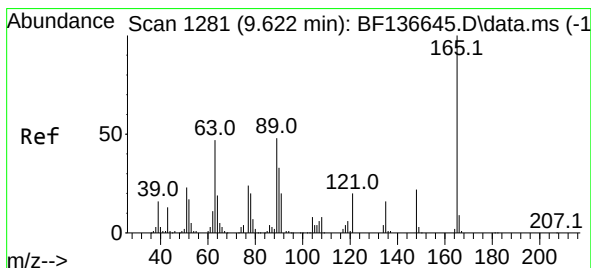
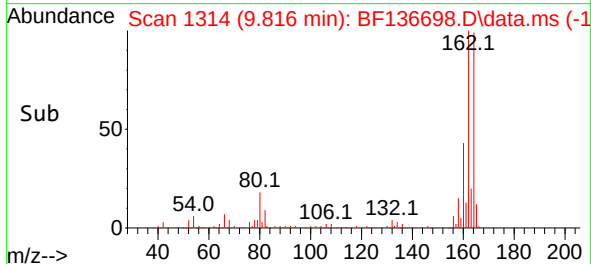
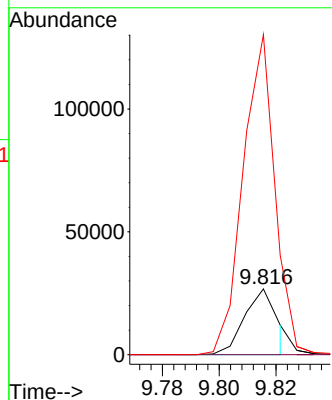
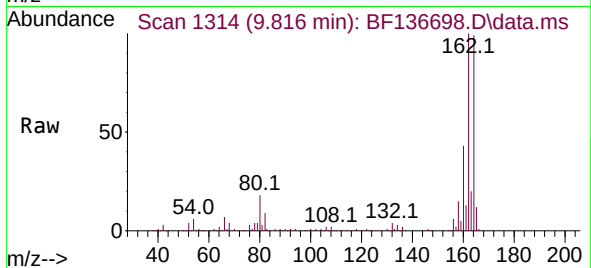




#50
Dimethylphthalate
Concen: 2.851 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136698.D
Acq: 22 Dec 2023 21:51

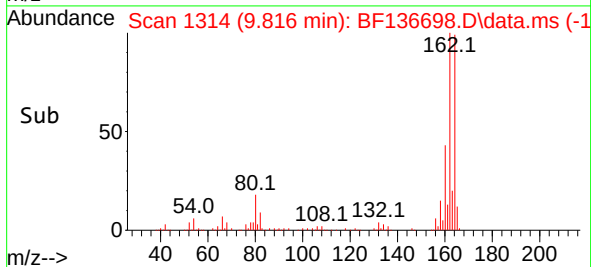
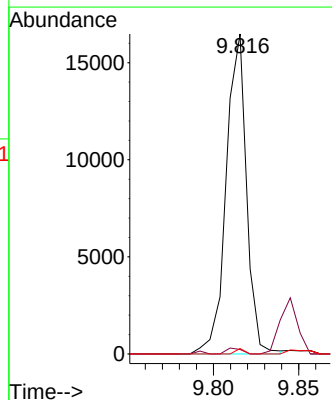
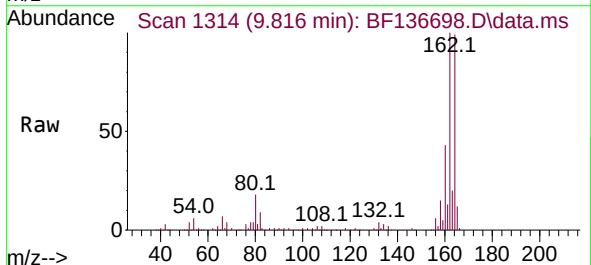
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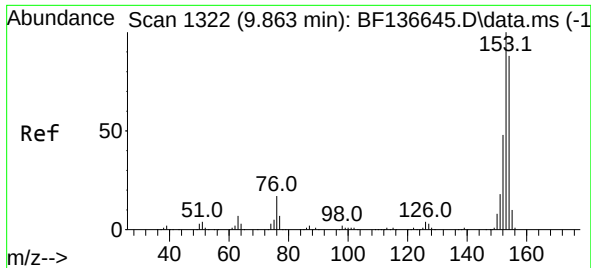
Tgt Ion:163 Resp: 21202
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 486.7 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 8.128 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136698.D
Acq: 22 Dec 2023 21:51

Tgt Ion:165 Resp: 13720
Ion Ratio Lower Upper
165 100
63 1.4 39.8 59.6#
89 1.7 38.8 58.2#

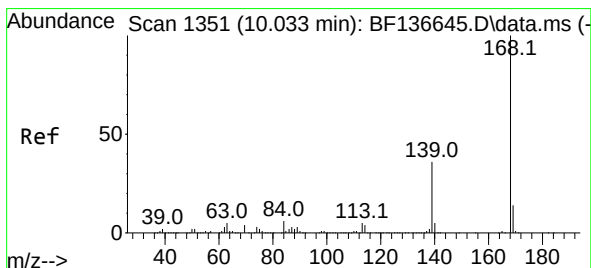
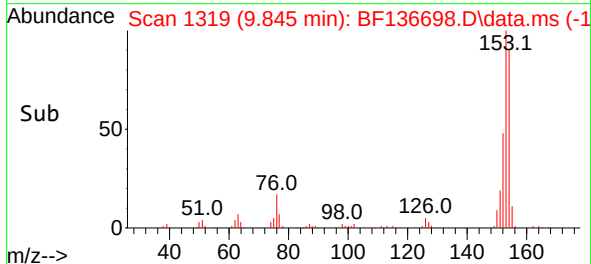
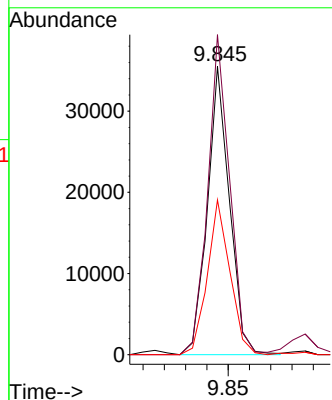
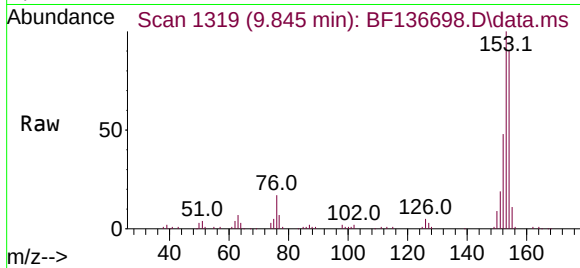




#52
Acenaphthene
Concen: 4.160 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136698.D
Acq: 22 Dec 2023 21:51

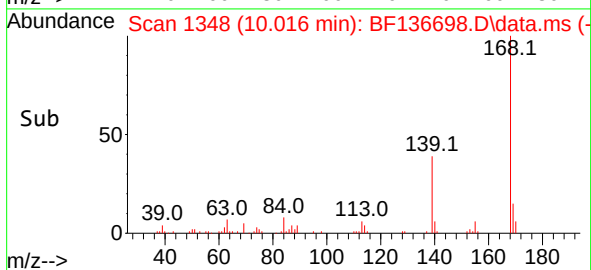
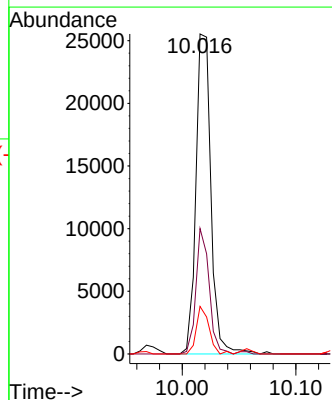
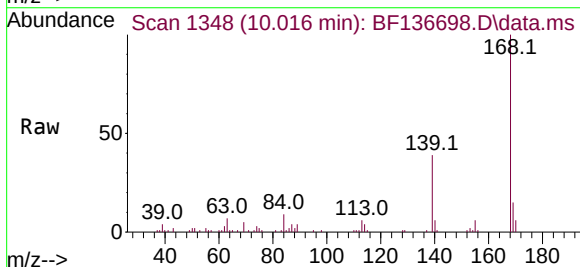
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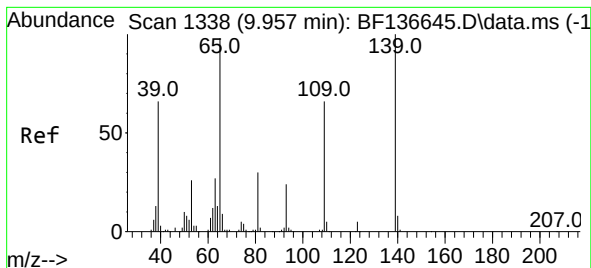
Tgt Ion:154 Resp: 25603
Ion Ratio Lower Upper
154 100
153 111.0 90.7 136.1
152 53.7 43.7 65.5



#55
Dibenzofuran
Concen: 2.531 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.018 min
Lab File: BF136698.D
Acq: 22 Dec 2023 21:51

Tgt Ion:168 Resp: 23614
Ion Ratio Lower Upper
168 100
139 39.2 29.3 43.9
169 14.8 11.0 16.4





#56

4-Nitrophenol

Concen: 6.711 ng

RT: 10.016 min Scan# 1

Delta R.T. 0.059 min

Lab File: BF136698.D

Acq: 22 Dec 2023 21:51

Instrument :

BNA_F

ClientSampleId :

RT-SB-02-10-11

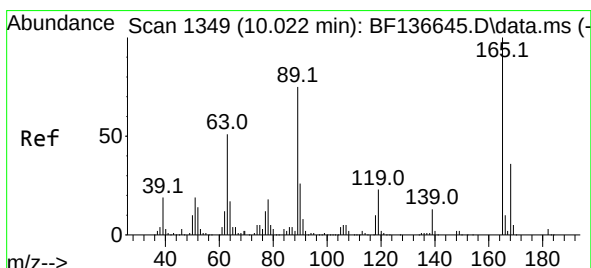
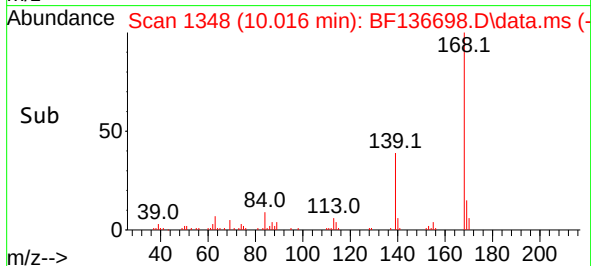
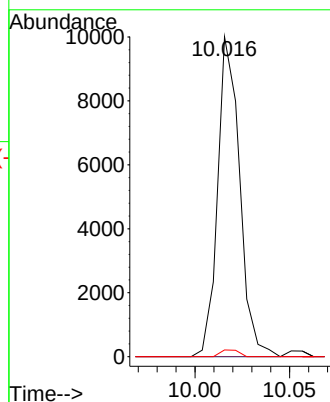
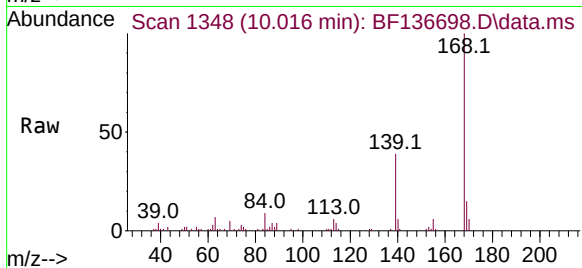
Tgt Ion:139 Resp: 8101

Ion Ratio Lower Upper

139 100

109 0.0 45.8 85.8#

65 2.1 77.8 117.8#



#57

2,4-Dinitrotoluene

Concen: 6.261 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.206 min

Lab File: BF136698.D

Acq: 22 Dec 2023 21:51

Tgt Ion:165 Resp: 13720

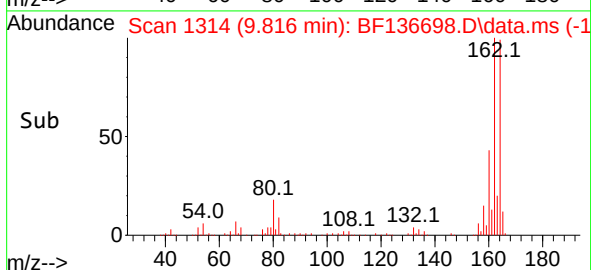
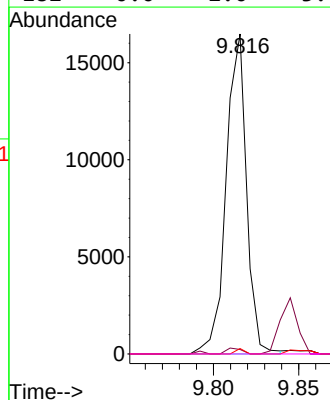
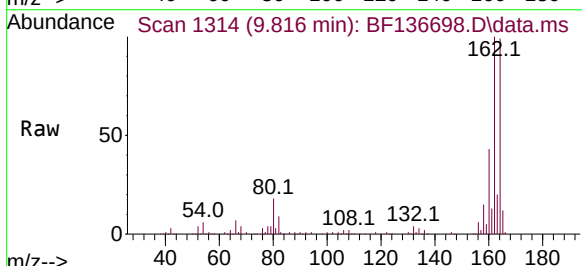
Ion Ratio Lower Upper

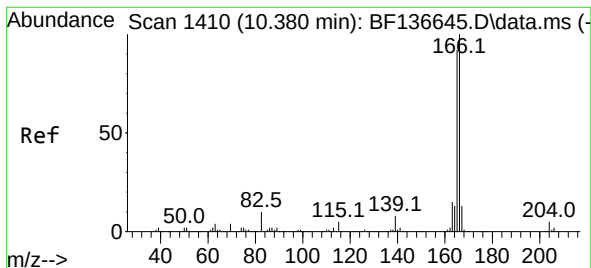
165 100

63 1.4 41.0 61.6#

89 1.7 59.9 89.9#

182 0.0 2.0 3.0#





#58

Fluorene

Concen: 2.863 ng

RT: 10.363 min Scan# 1410

Delta R.T. -0.018 min

Lab File: BF136698.D

Acq: 22 Dec 2023 21:51

Instrument :

BNA_F

ClientSampleId :

RT-SB-02-10-11

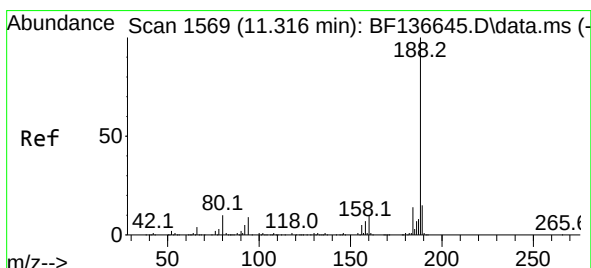
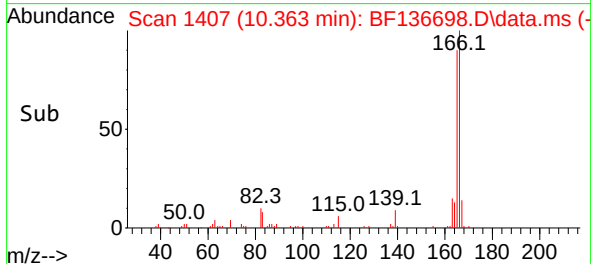
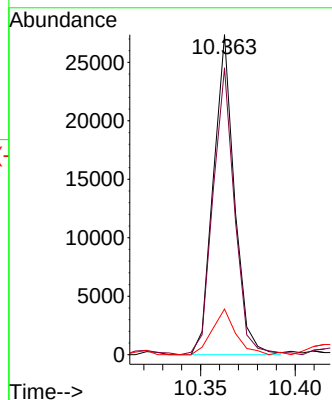
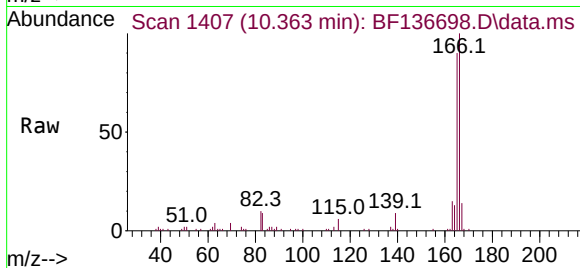
Tgt Ion:166 Resp: 21193

Ion Ratio Lower Upper

166 100

165 89.7 73.7 110.5

167 14.3 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: BF136698.D

Acq: 22 Dec 2023 21:51

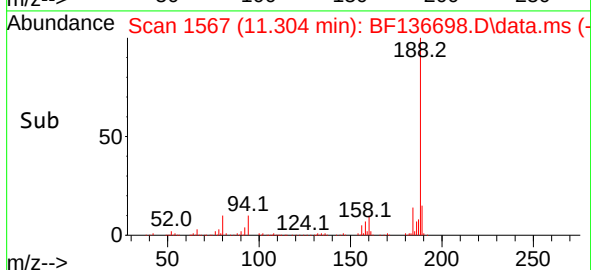
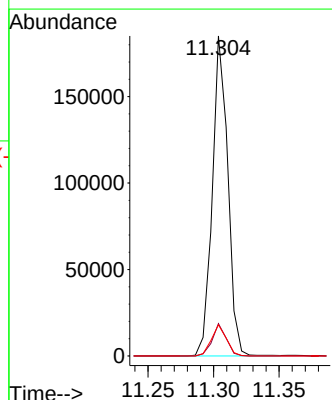
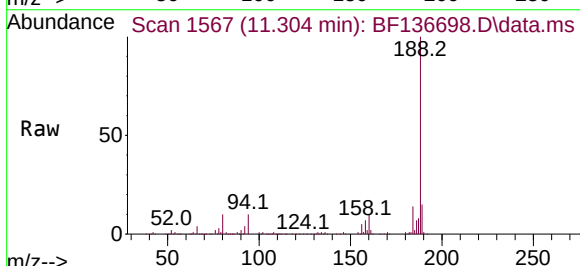
Tgt Ion:188 Resp: 152205

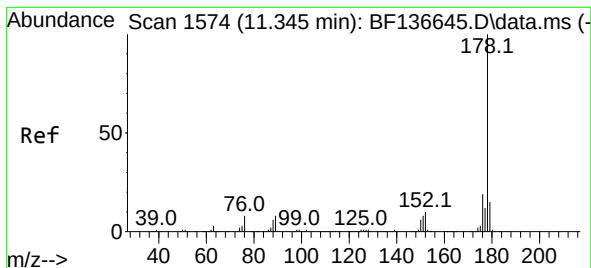
Ion Ratio Lower Upper

188 100

94 10.1 7.5 11.3

80 9.7 8.1 12.1





#71

Phenanthrene

Concen: 39.261 ng

RT: 11.333 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136698.D

Acq: 22 Dec 2023 21:51

Instrument :

BNA_F

ClientSampleId :

RT-SB-02-10-11

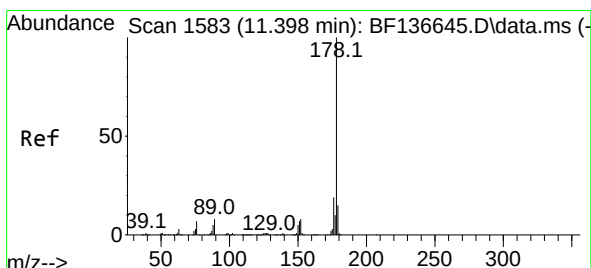
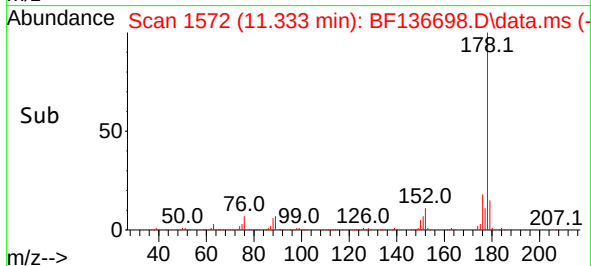
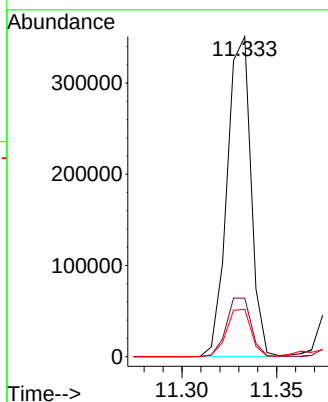
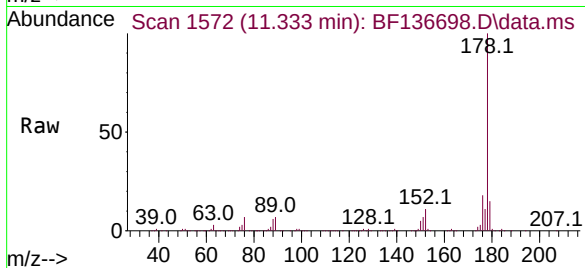
Tgt Ion:178 Resp: 306615

Ion Ratio Lower Upper

178 100

176 18.3 15.3 22.9

179 14.8 11.9 17.9



#72

Anthracene

Concen: 8.409 ng

RT: 11.380 min Scan# 1580

Delta R.T. -0.018 min

Lab File: BF136698.D

Acq: 22 Dec 2023 21:51

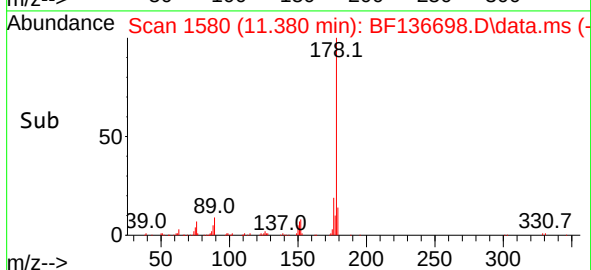
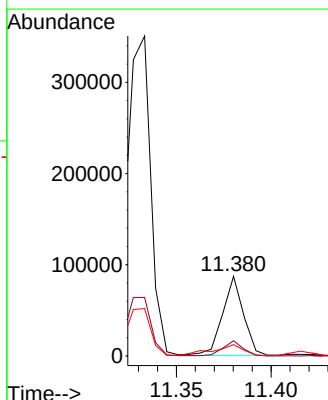
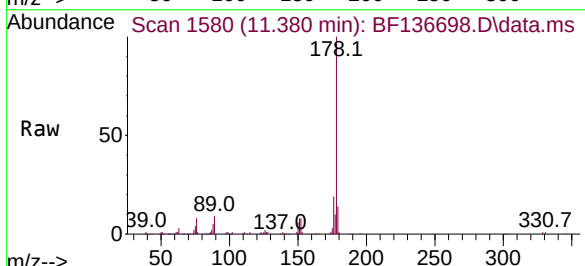
Tgt Ion:178 Resp: 66510

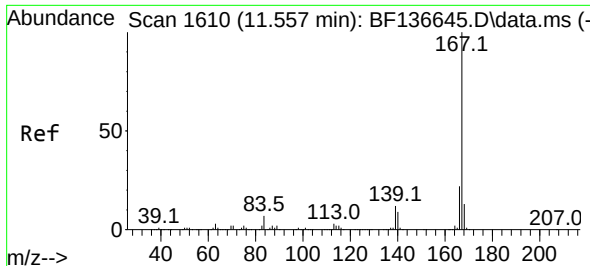
Ion Ratio Lower Upper

178 100

176 19.2 14.9 22.3

179 14.3 11.8 17.6

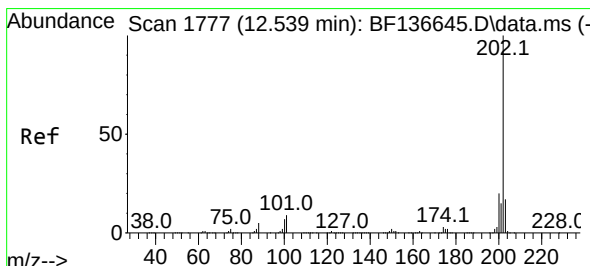
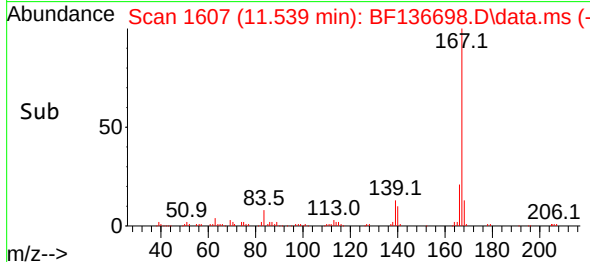
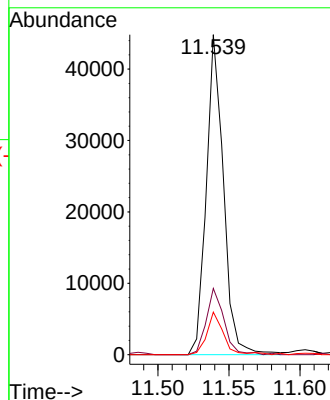
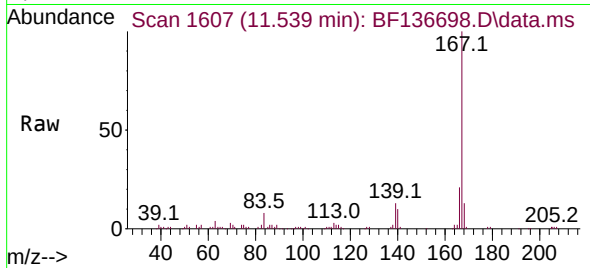




#73
 Carbazole
 Concen: 5.067 ng
 RT: 11.539 min Scan# 1607
 Delta R.T. -0.018 min
 Lab File: BF136698.D
 Acq: 22 Dec 2023 21:51

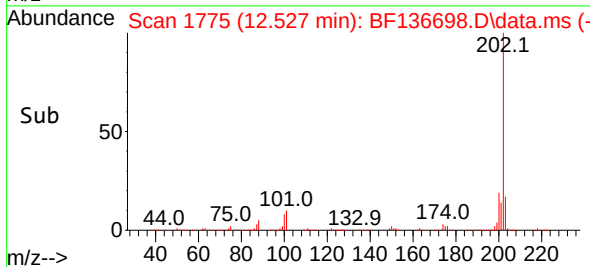
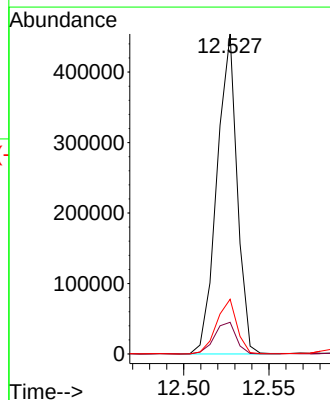
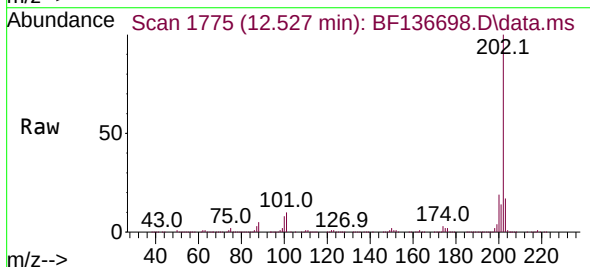
Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-02-10-11

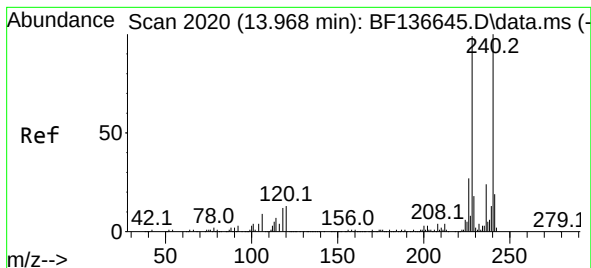
Tgt Ion:167 Resp: 37785
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.3 25.9
 139 13.3 9.8 14.6



#75
 Fluoranthene
 Concen: 44.924 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF136698.D
 Acq: 22 Dec 2023 21:51

Tgt Ion:202 Resp: 375283
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 29.3
 203 17.1 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136698.D

Acq: 22 Dec 2023 21:51

Instrument :

BNA_F

ClientSampleId :

RT-SB-02-10-11

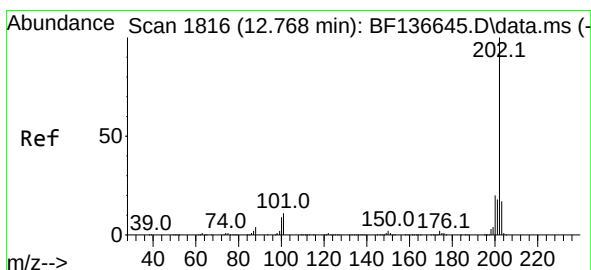
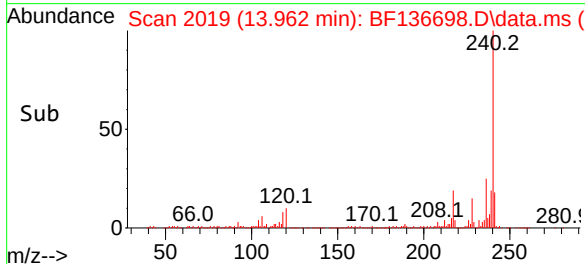
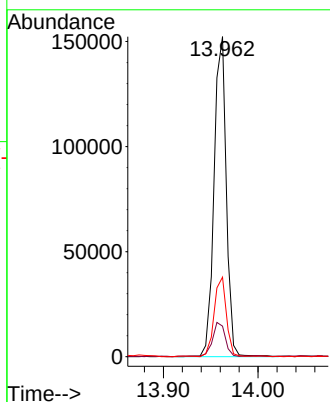
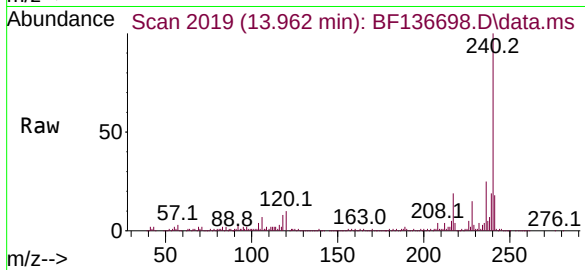
Tgt Ion:240 Resp: 136256

Ion Ratio Lower Upper

240 100

120 9.6 10.3 15.5#

236 24.9 19.4 29.2



#78

Pyrene

Concen: 23.117 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136698.D

Acq: 22 Dec 2023 21:51

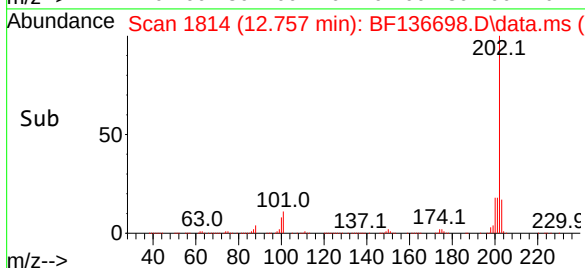
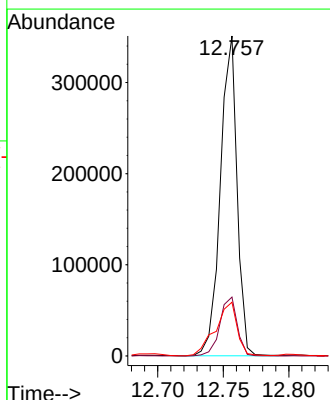
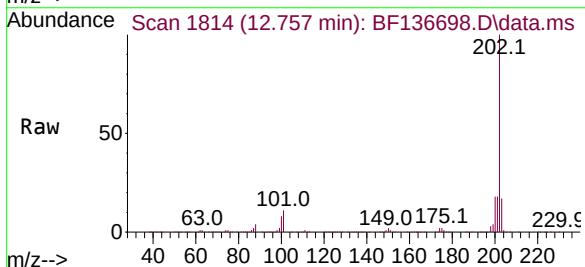
Tgt Ion:202 Resp: 309215

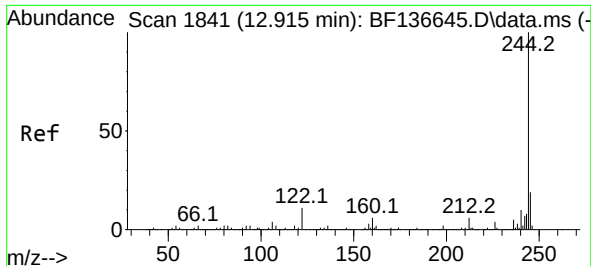
Ion Ratio Lower Upper

202 100

200 18.4 15.9 23.9

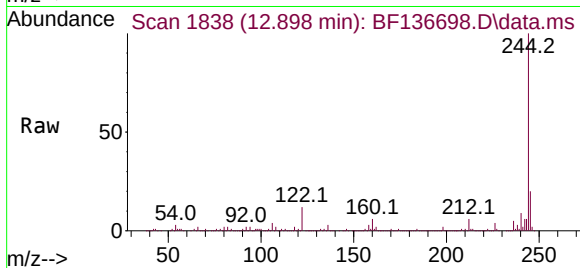
203 16.8 13.8 20.6



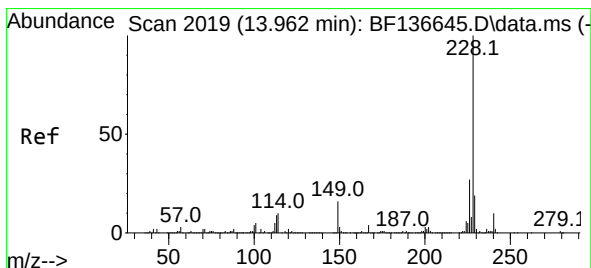
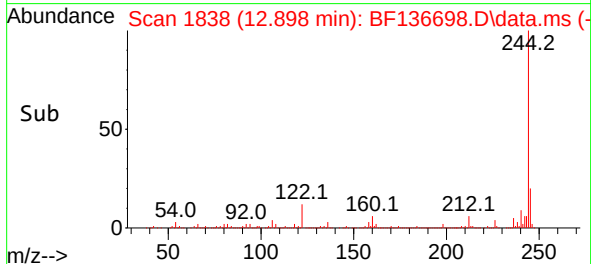
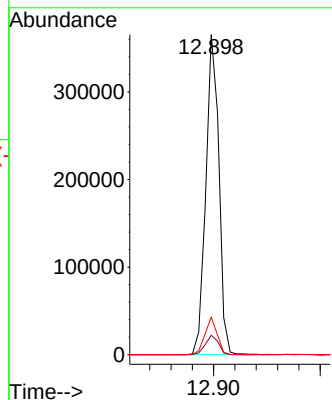


#79
 Terphenyl-d14
 Concen: 31.961 ng
 RT: 12.898 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF136698.D
 Acq: 22 Dec 2023 21:51

Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-02-10-11

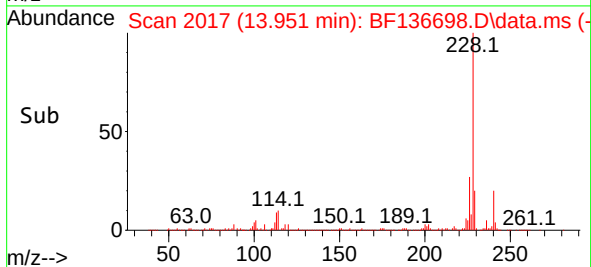
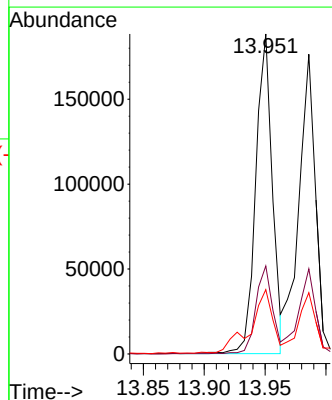
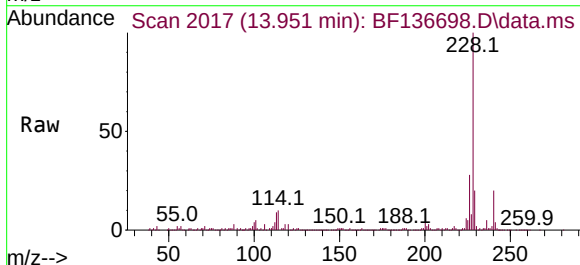


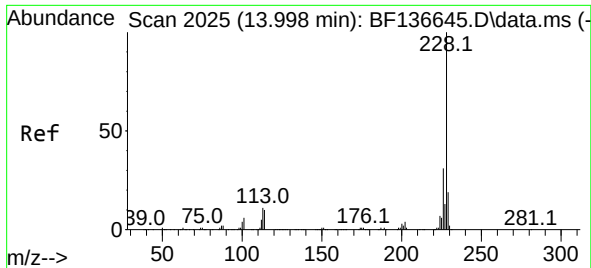
Tgt Ion:244 Resp: 311631
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.0 7.4
 122 11.7 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 18.826 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. -0.012 min
 Lab File: BF136698.D
 Acq: 22 Dec 2023 21:51

Tgt Ion:228 Resp: 178118
 Ion Ratio Lower Upper
 228 100
 226 27.5 21.4 32.0
 229 20.1 14.9 22.3





#83

Chrysene

Concen: 16.987 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136698.D

Acq: 22 Dec 2023 21:51

Instrument :

BNA_F

ClientSampleId :

RT-SB-02-10-11

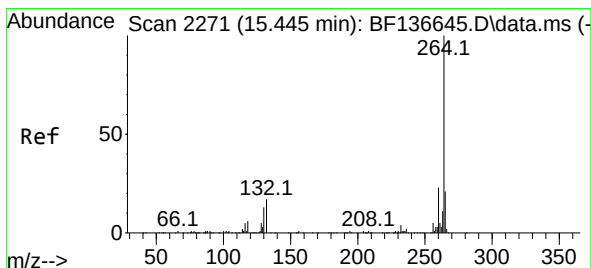
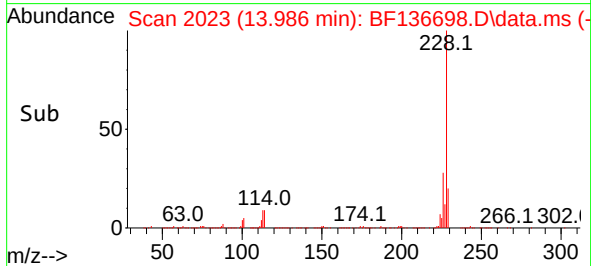
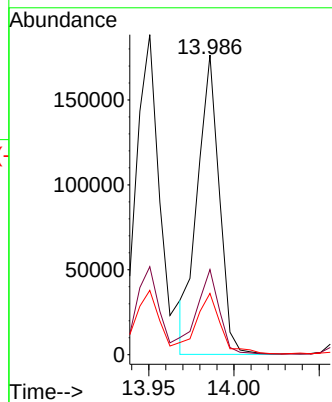
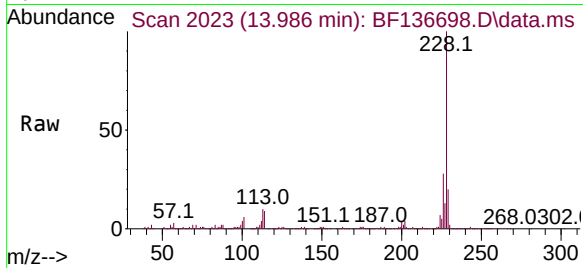
Tgt Ion:228 Resp: 157172

Ion Ratio Lower Upper

228 100

226 28.4 24.7 37.1

229 20.4 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF136698.D

Acq: 22 Dec 2023 21:51

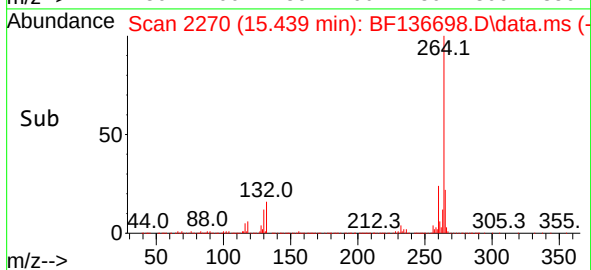
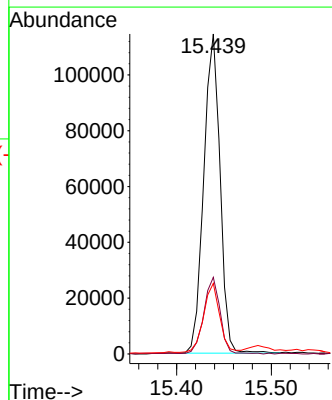
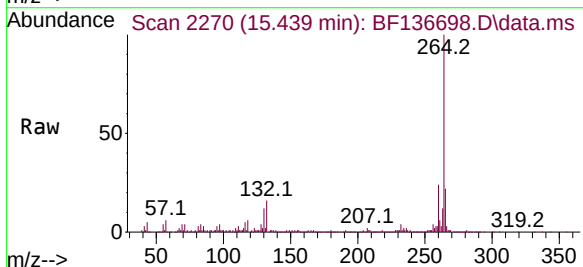
Tgt Ion:264 Resp: 136924

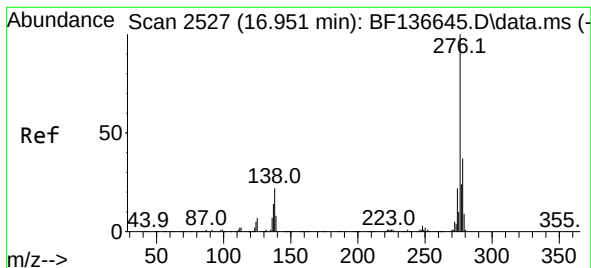
Ion Ratio Lower Upper

264 100

260 23.9 18.3 27.5

265 22.0 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.415 ng

RT: 16.927 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF136698.D

Acq: 22 Dec 2023 21:51

Instrument :

BNA_F

ClientSampleId :

RT-SB-02-10-11

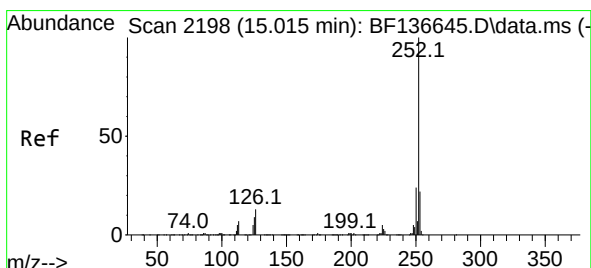
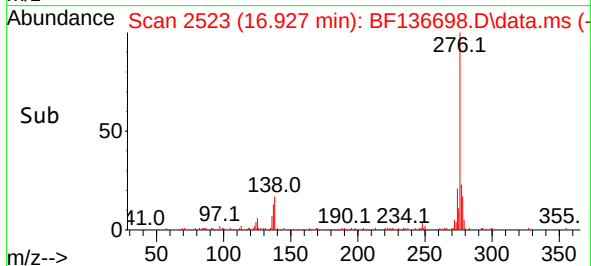
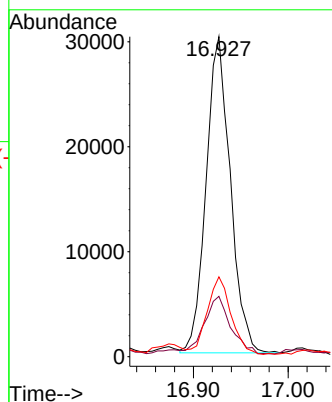
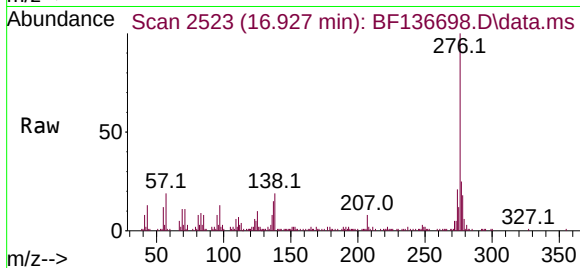
Tgt Ion:276 Resp: 53531

Ion Ratio Lower Upper

276 100

138 20.8 18.7 28.1

277 24.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 28.071 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF136698.D

Acq: 22 Dec 2023 21:51

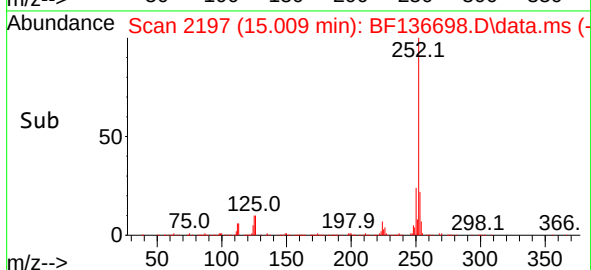
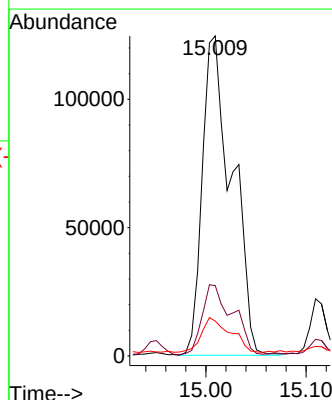
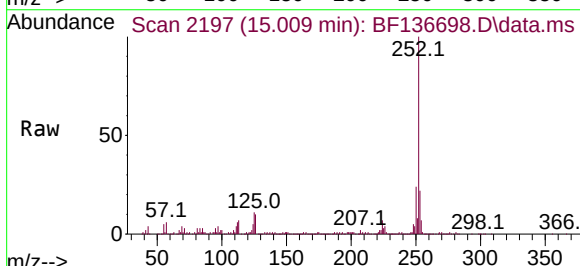
Tgt Ion:252 Resp: 256713

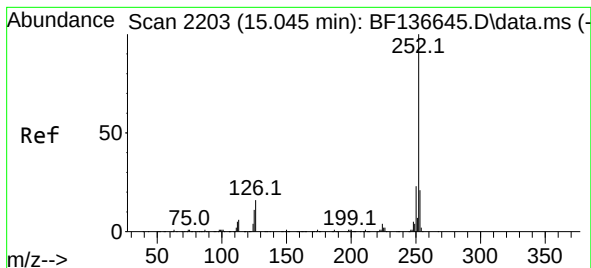
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 10.9 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 29.707 ng

RT: 15.009 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF136698.D

Acq: 22 Dec 2023 21:51

Instrument :

BNA_F

ClientSampleId :

RT-SB-02-10-11

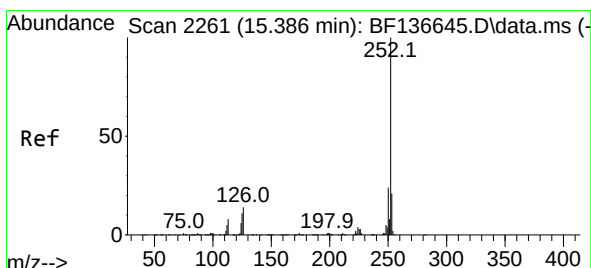
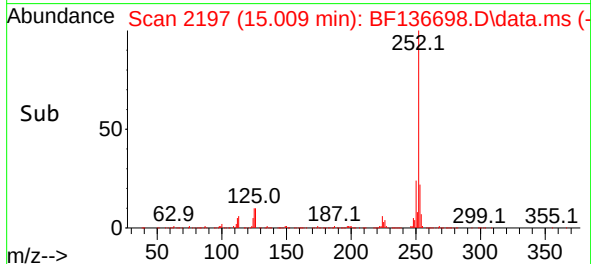
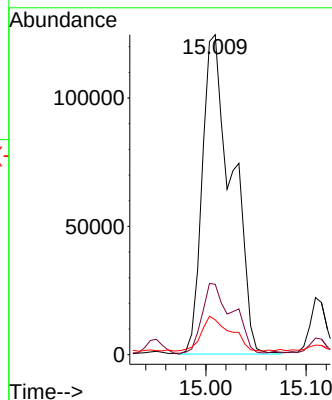
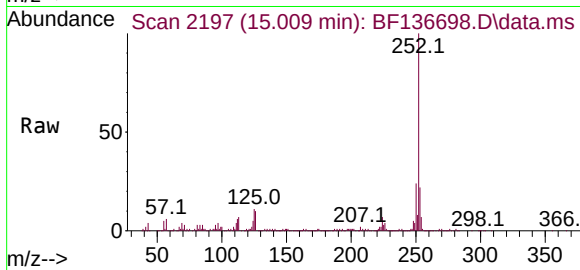
Tgt Ion:252 Resp: 256713

Ion Ratio Lower Upper

252 100

253 22.0 17.0 25.6

125 10.9 8.2 12.4



#90

Benzo(a)pyrene

Concen: 15.418 ng

RT: 15.374 min Scan# 2259

Delta R.T. -0.012 min

Lab File: BF136698.D

Acq: 22 Dec 2023 21:51

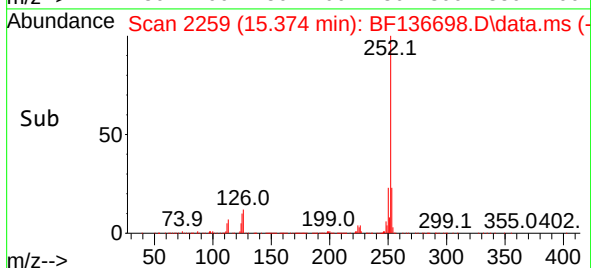
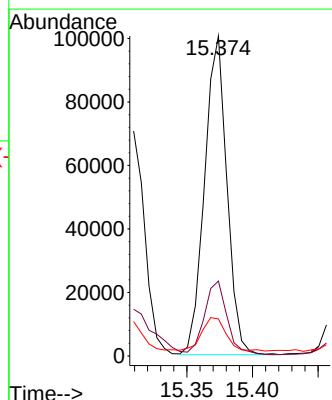
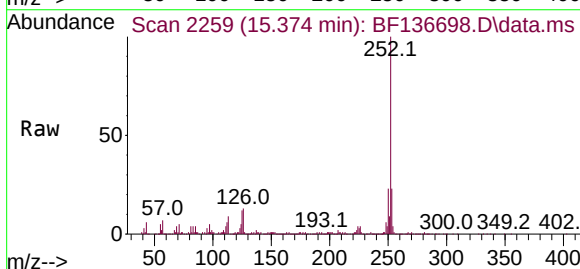
Tgt Ion:252 Resp: 119023

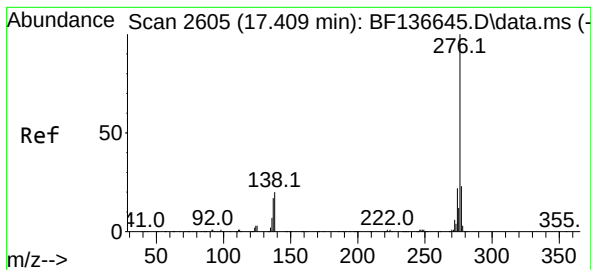
Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

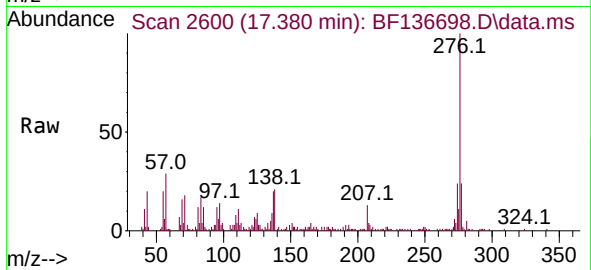
125 11.6 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 5.566 ng
 RT: 17.380 min Scan# 20
 Delta R.T. -0.030 min
 Lab File: BF136698.D
 Acq: 22 Dec 2023 21:51

Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-02-10-11



Tgt Ion:	276	Resp:	46237
Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.3	27.5
138	20.7	15.6	23.4

