

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
 Data File : BF140281.D
 Acq On : 07 Nov 2024 17:59
 Operator : RC/JU
 Sample : P4695-01DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z-01DL

Quant Time: Nov 08 01:29:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

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

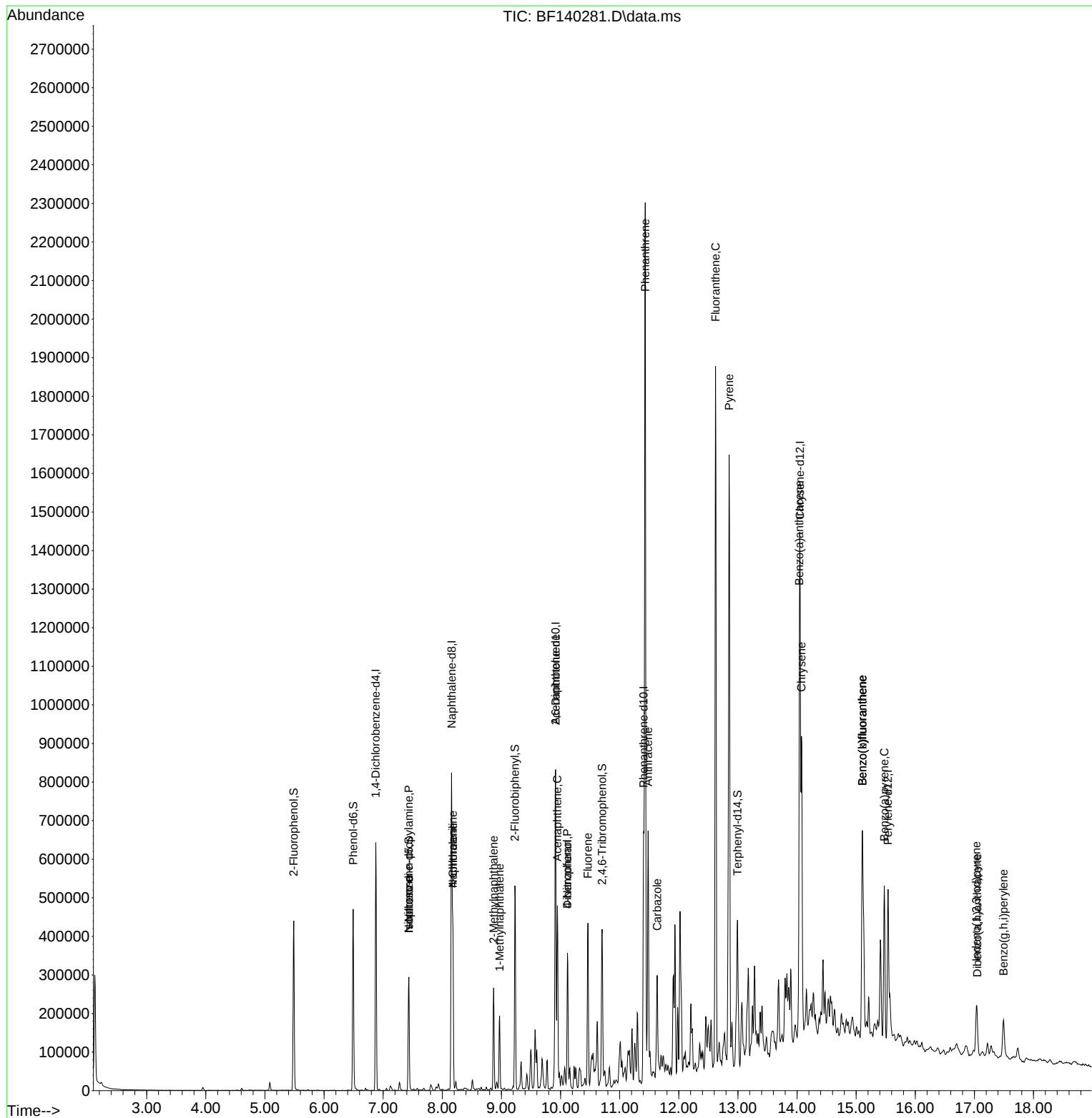
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	130202	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	472268	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	251639	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	342879	20.000	ng	0.00
76) Chrysene-d12	14.051	240	280255	20.000	ng	-0.01
86) Perylene-d12	15.539	264	238735	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	159770	20.335	ng	0.00
7) Phenol-d6	6.493	99	204265	20.213	ng	-0.01
23) Nitrobenzene-d5	7.434	82	128351	13.512	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	39851	16.022	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	228404	14.494	ng	-0.01
79) Terphenyl-d14	12.992	244	167806	9.808	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	17153	2.661	ng	# 76
25) Isophorone	7.434	82	125770	7.690	ng	# 67
31) Naphthalene	8.181	128	250585	10.275	ng	99
33) 4-Chloroaniline	8.181	127	32388	4.034	ng	# 33
37) 2-Methylnaphthalene	8.869	142	99210	6.233	ng	100
38) 1-Methylnaphthalene	8.969	142	70590	4.525	ng	98
51) 2,6-Dinitrotoluene	9.916	165	37835	10.386	ng	# 22
52) Acenaphthene	9.945	154	139489	10.147	ng	100
55) Dibenzofuran	10.116	168	170122	8.850	ng	97
56) 4-Nitrophenol	10.116	139	64768	26.855	ng	# 1
58) Fluorene	10.463	166	156032	10.197	ng	99
71) Phenanthrene	11.433	178	1233016	75.352	ng	100
72) Anthracene	11.480	178	360197	22.449	ng	99
73) Carbazole	11.633	167	137656	9.389	ng	99
75) Fluoranthene	12.622	202	1036307	60.567	ng	99
78) Pyrene	12.851	202	923768	39.921	ng	98
81) Benzo(a)anthracene	14.039	228	548151	30.477	ng	98
83) Chrysene	14.074	228	379715	22.545	ng	97
87) Indeno(1,2,3-cd)pyrene	17.033	276	101728	7.259	ng	96
88) Benzo(b)fluoranthene	15.104	252	489467	33.895	ng	99
89) Benzo(k)fluoranthene	15.104	252	489467	36.939	ng	99
90) Benzo(a)pyrene	15.474	252	256077	21.508	ng	97
91) Dibenzo(a,h)anthracene	17.051	278	28598	2.480	ng	# 91
92) Benzo(g,h,i)perylene	17.492	276	89510	7.611	ng	99

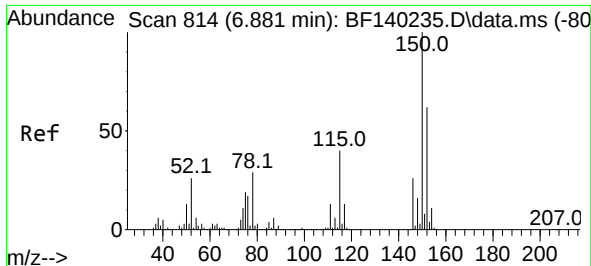
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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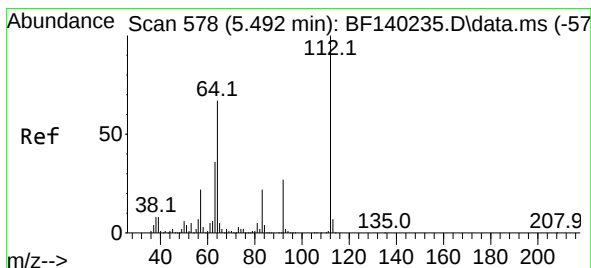
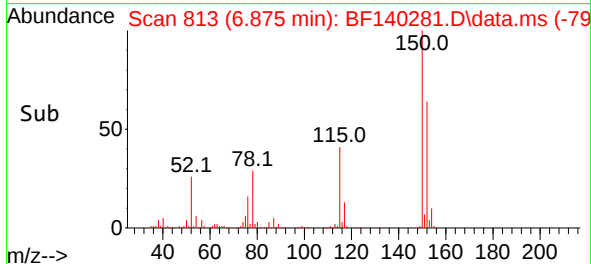
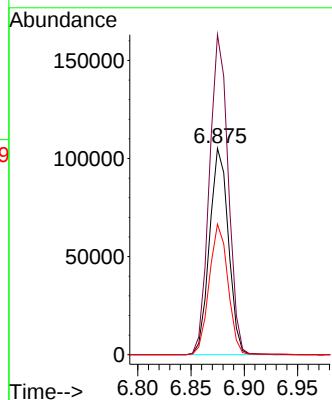
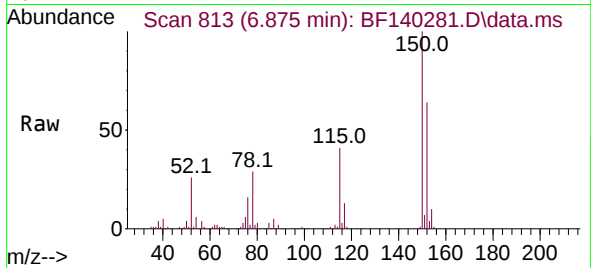




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140281.D
Acq: 07 Nov 2024 17:59

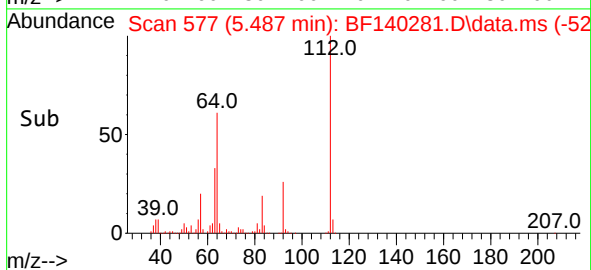
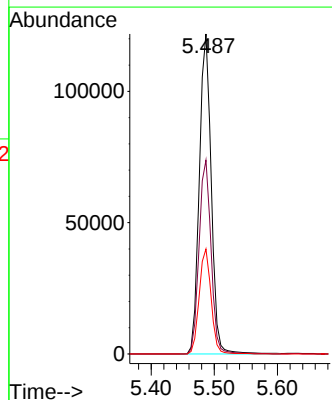
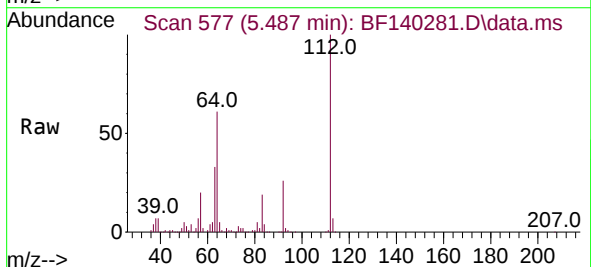
Instrument :
BNA_F
ClientSampleId :
Z-01DL

Tgt Ion:152 Resp: 130202
Ion Ratio Lower Upper
152 100
150 155.0 129.4 194.2
115 63.3 51.5 77.3



#5
2-Fluorophenol
Concen: 20.335 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF140281.D
Acq: 07 Nov 2024 17:59

Tgt Ion:112 Resp: 159770
Ion Ratio Lower Upper
112 100
64 60.5 53.4 80.2
63 32.8 28.9 43.3

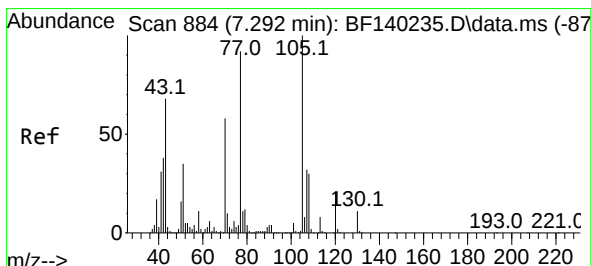
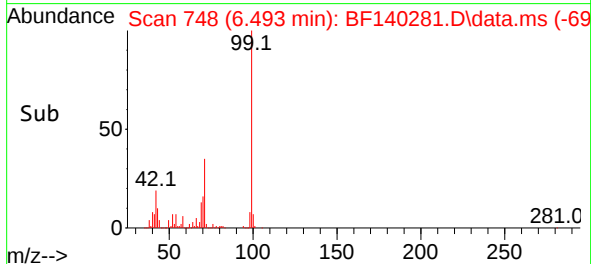
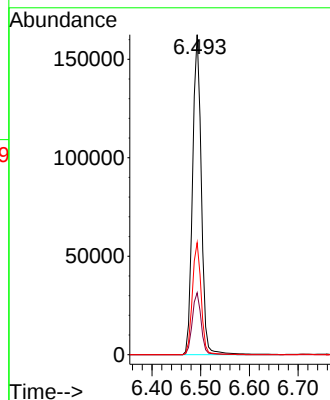
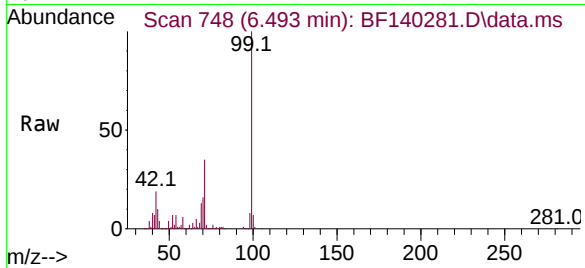




#7
Phenol-d6
Concen: 20.213 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF140281.D
Acq: 07 Nov 2024 17:59

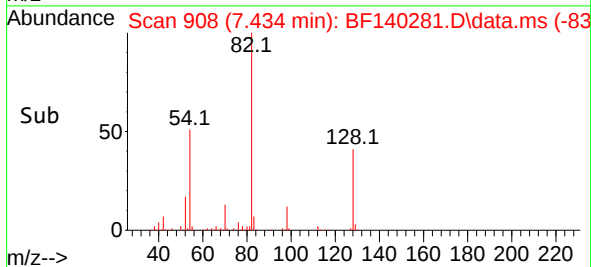
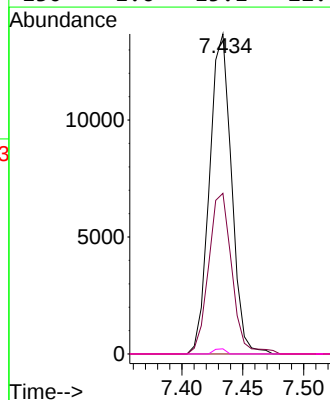
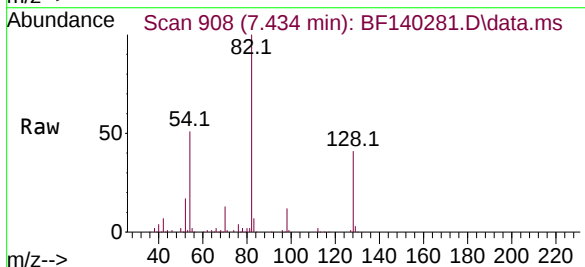
Instrument :
BNA_F
ClientSampleId :
Z-01DL

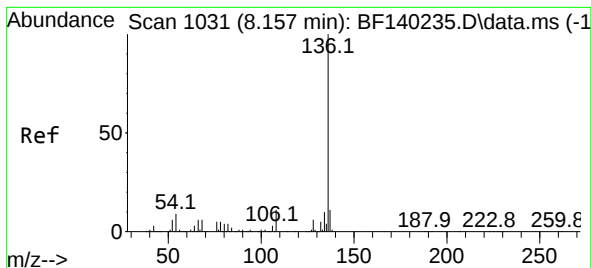
Tgt Ion: 99 Resp: 204265
Ion Ratio Lower Upper
99 100
42 19.4 18.2 27.2
71 35.0 30.9 46.3



#19
n-Nitroso-di-n-propylamine
Concen: 2.661 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140281.D
Acq: 07 Nov 2024 17:59

Tgt Ion: 70 Resp: 17153
Ion Ratio Lower Upper
70 100
42 50.2 52.8 79.2#
101 0.0 7.4 11.2#
130 1.6 15.1 22.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140281.D

Acq: 07 Nov 2024 17:59

Instrument :

BNA_F

ClientSampleId :

Z-01DL

Tgt Ion:136 Resp: 472268

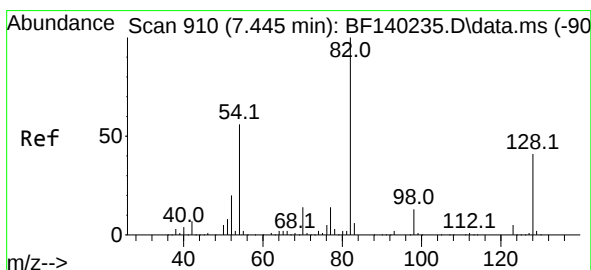
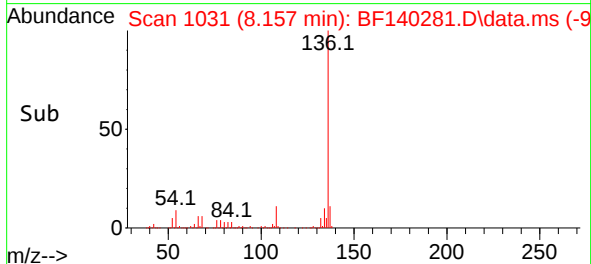
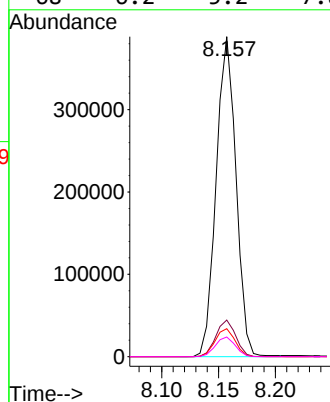
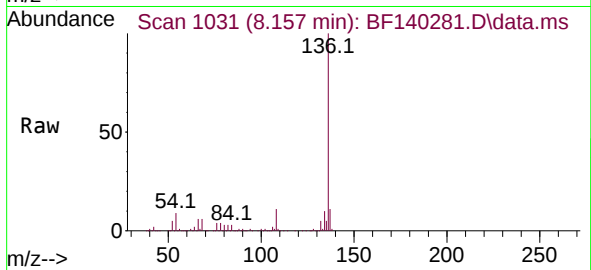
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.6

54 8.8 7.7 11.5

68 6.2 5.2 7.8



#23

Nitrobenzene-d5

Concen: 13.512 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF140281.D

Acq: 07 Nov 2024 17:59

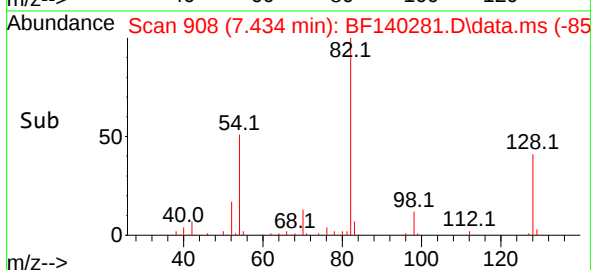
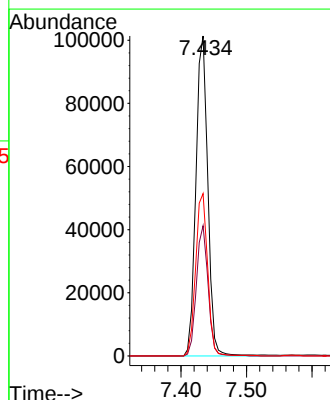
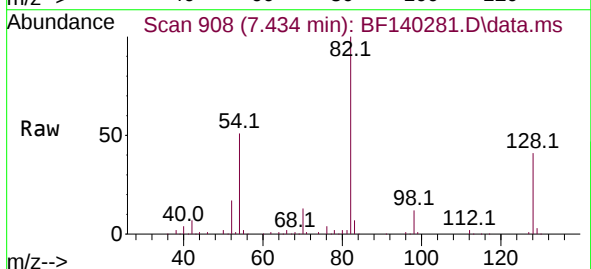
Tgt Ion: 82 Resp: 128351

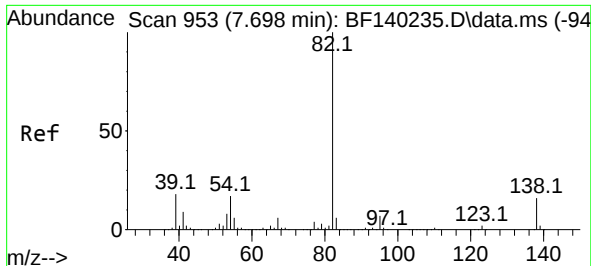
Ion Ratio Lower Upper

82 100

128 40.7 32.8 49.2

54 50.7 44.3 66.5

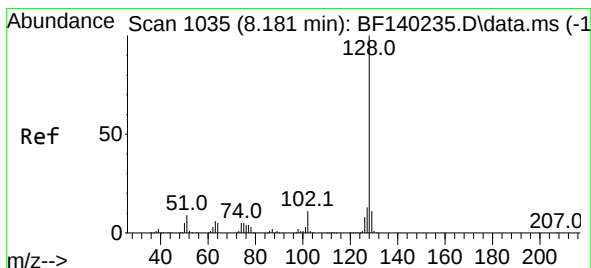
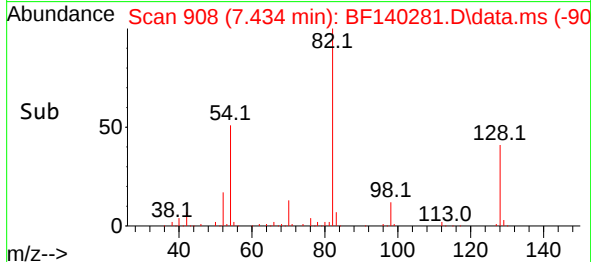
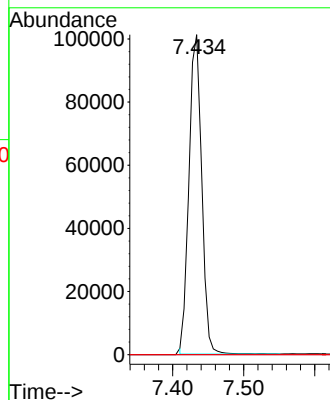
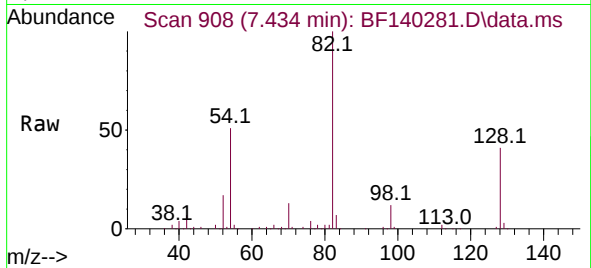




#25
Isophorone
Concen: 7.690 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140281.D
Acq: 07 Nov 2024 17:59

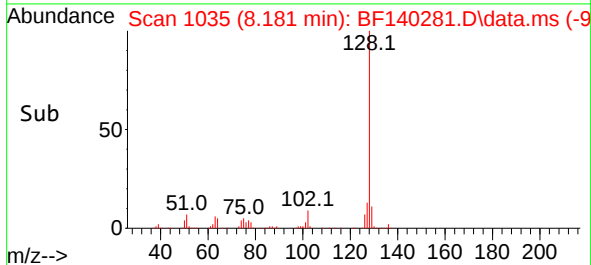
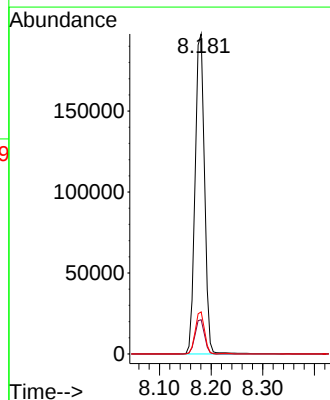
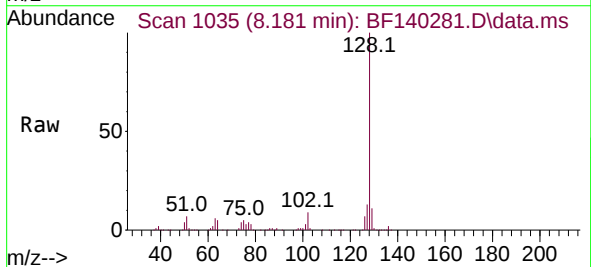
Instrument :
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ClientSampleId :
Z-01DL

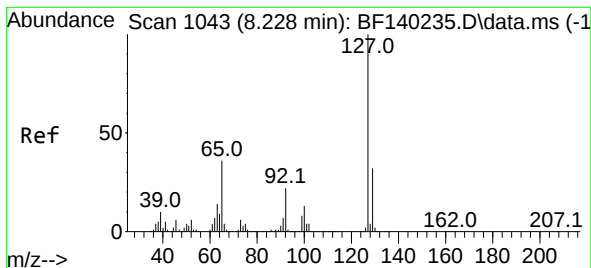
Tgt Ion: 82 Resp: 125770
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 12.9 19.3#



#31
Naphthalene
Concen: 10.275 ng
RT: 8.181 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF140281.D
Acq: 07 Nov 2024 17:59

Tgt Ion: 128 Resp: 250585
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.6
127 13.1 10.7 16.1





#33

4-Chloroaniline

Concen: 4.034 ng

RT: 8.181 min Scan# 1

Delta R.T. -0.047 min

Lab File: BF140281.D

Acq: 07 Nov 2024 17:59

Instrument :

BNA_F

ClientSampleId :

Z-01DL

Tgt Ion:127 Resp: 32388

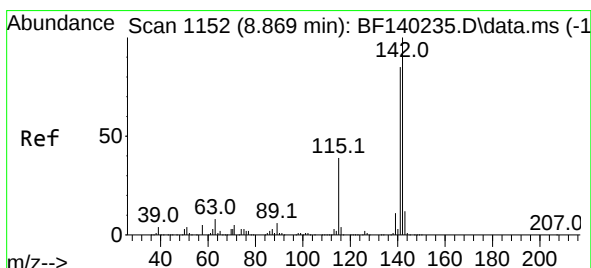
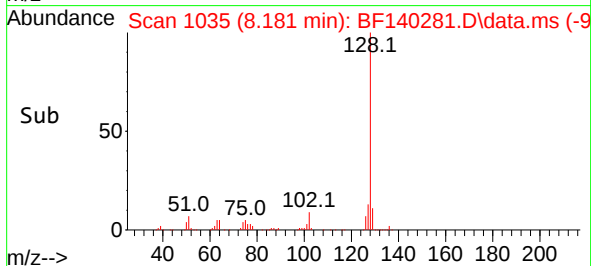
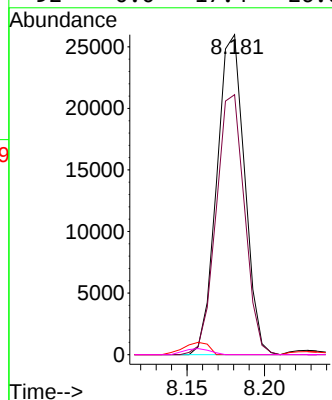
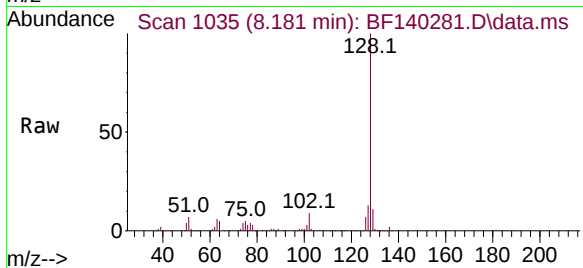
Ion Ratio Lower Upper

127 100

129 81.3 25.8 38.6#

65 0.0 29.0 43.6#

92 0.0 17.4 26.0#



#37

2-Methylnaphthalene

Concen: 6.233 ng

RT: 8.869 min Scan# 1152

Delta R.T. 0.000 min

Lab File: BF140281.D

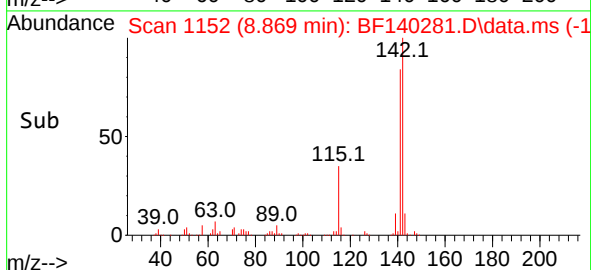
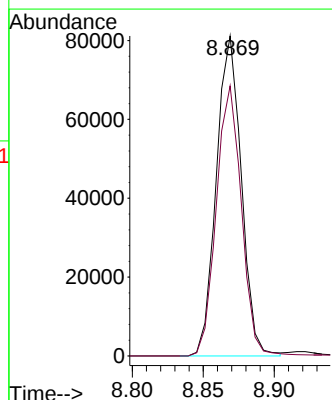
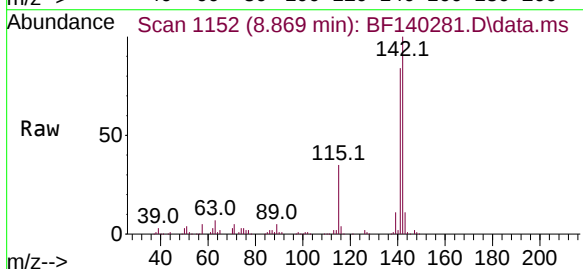
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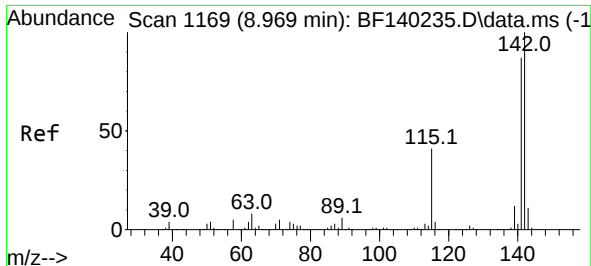
Tgt Ion:142 Resp: 99210

Ion Ratio Lower Upper

142 100

141 84.4 67.8 101.8

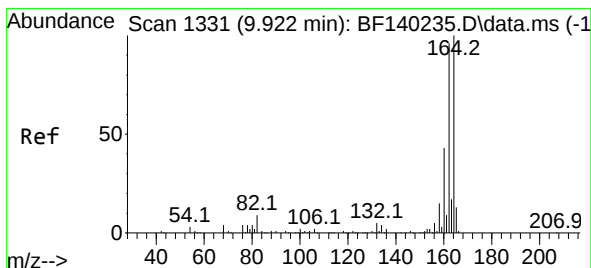
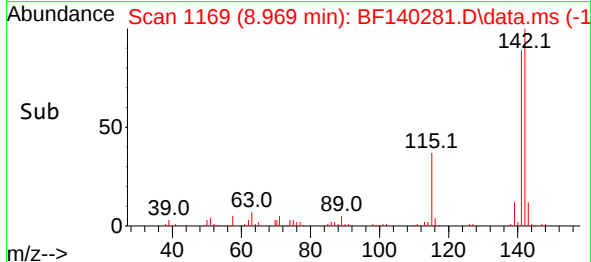
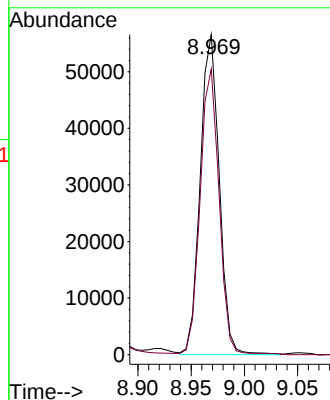
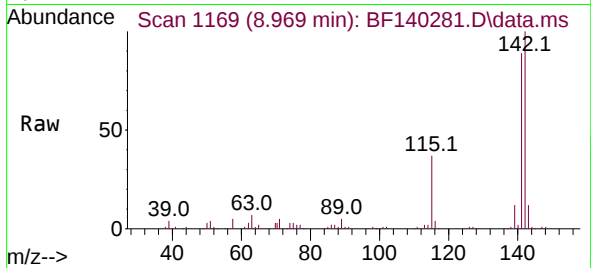




#38
1-Methylnaphthalene
Concen: 4.525 ng
RT: 8.969 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF140281.D
Acq: 07 Nov 2024 17:59

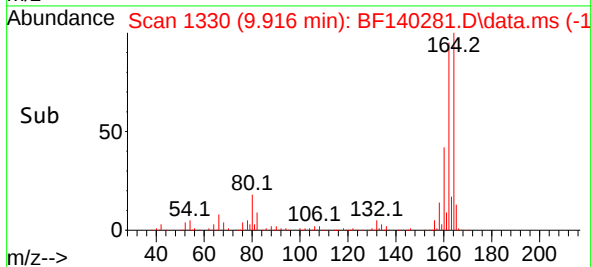
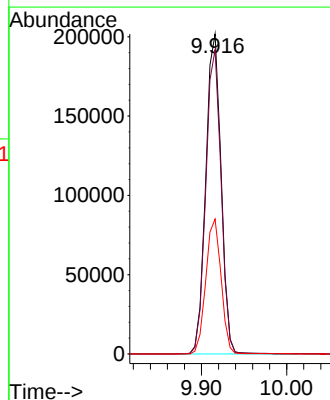
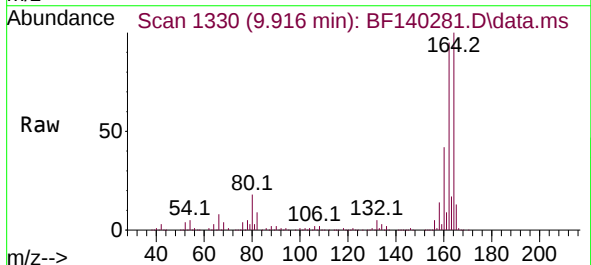
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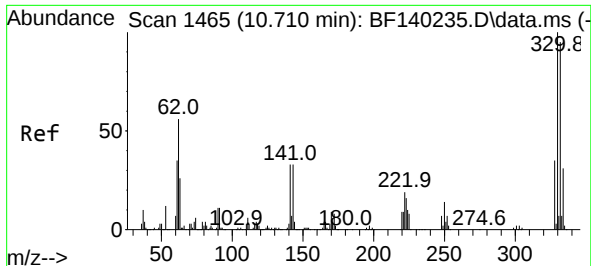
Tgt Ion:142 Resp: 70590
Ion Ratio Lower Upper
142 100
141 89.2 69.7 104.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF140281.D
Acq: 07 Nov 2024 17:59

Tgt Ion:164 Resp: 251639
Ion Ratio Lower Upper
164 100
162 95.1 77.0 115.4
160 42.2 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 16.022 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF140281.D

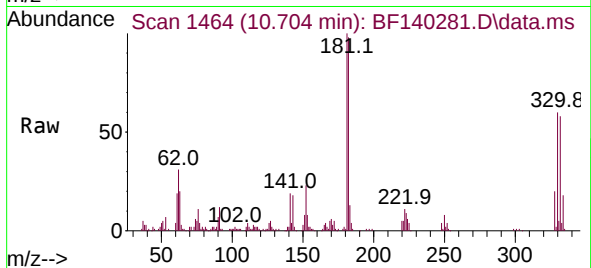
Acq: 07 Nov 2024 17:59

Instrument :

BNA_F

ClientSampleId :

Z-01DL



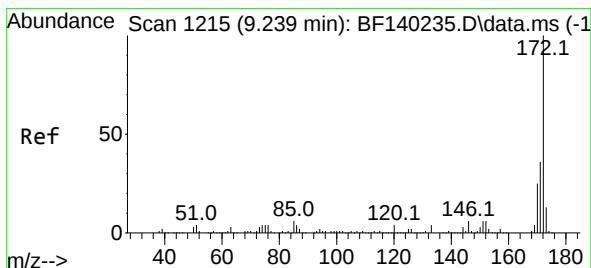
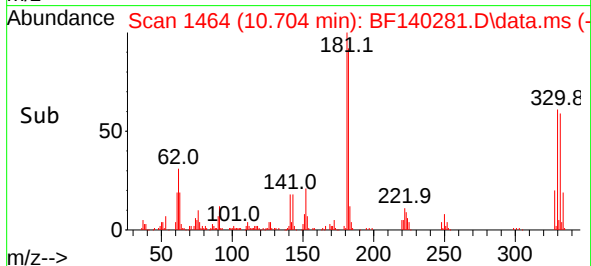
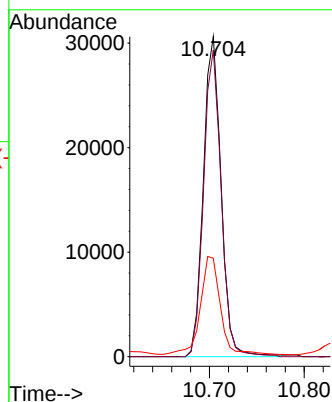
Tgt Ion:330 Resp: 39851

Ion Ratio Lower Upper

330 100

332 95.1 76.4 114.6

141 34.7 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 14.494 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF140281.D

Acq: 07 Nov 2024 17:59

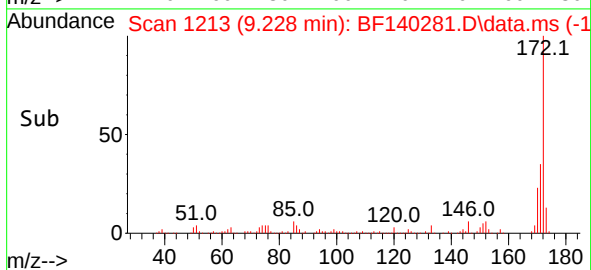
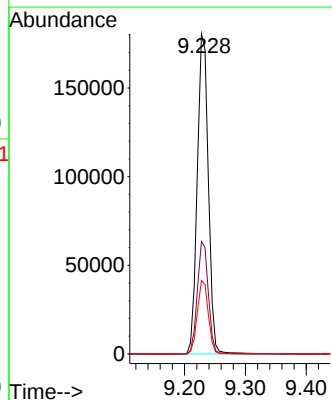
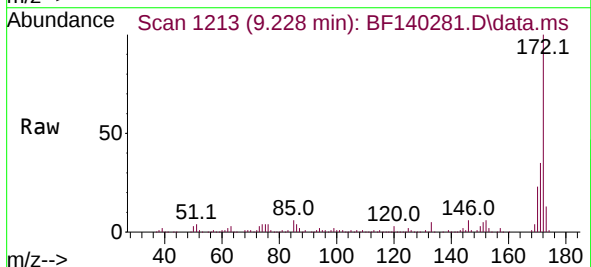
Tgt Ion:172 Resp: 228404

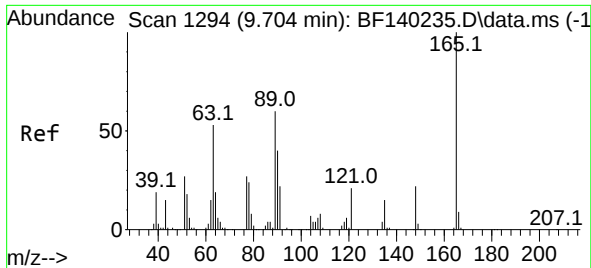
Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 22.9 19.6 29.4

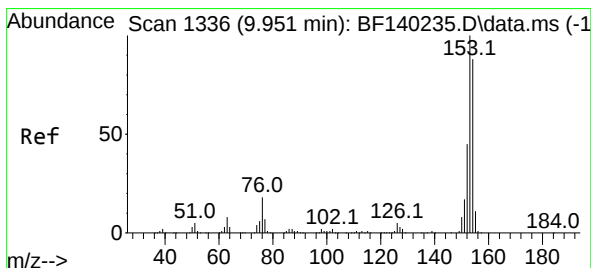
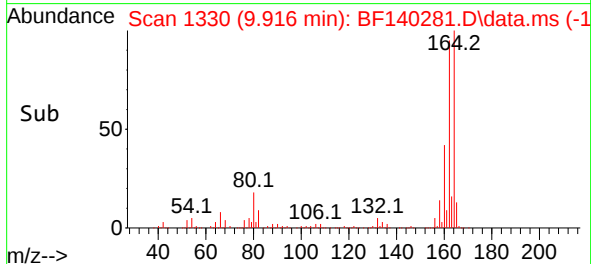
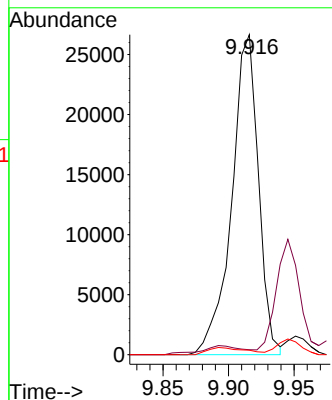
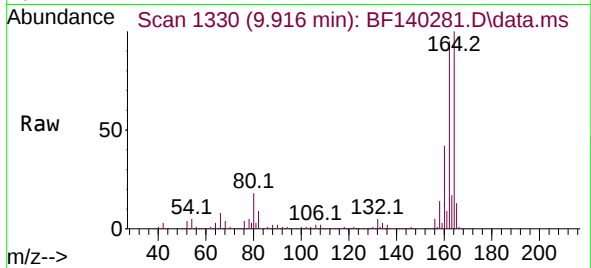




#51
2,6-Dinitrotoluene
Concen: 10.386 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140281.D
Acq: 07 Nov 2024 17:59

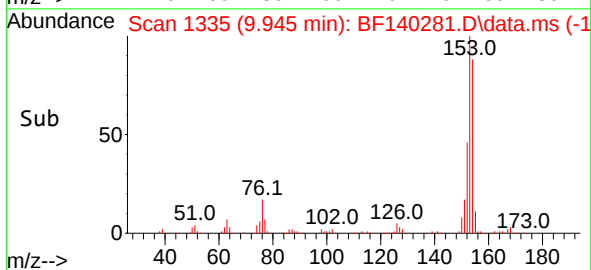
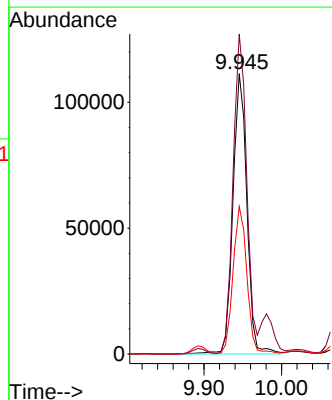
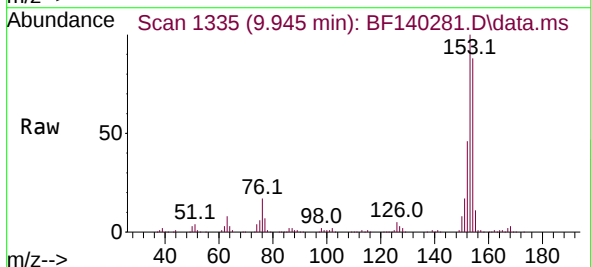
Instrument :
BNA_F
ClientSampleId :
Z-01DL

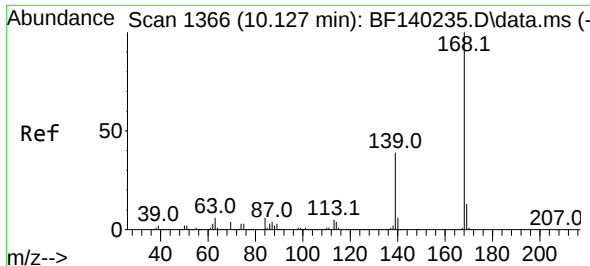
Tgt Ion:165 Resp: 37835
Ion Ratio Lower Upper
165 100
63 1.6 48.8 73.2#
89 1.4 48.1 72.1#



#52
Acenaphthene
Concen: 10.147 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF140281.D
Acq: 07 Nov 2024 17:59

Tgt Ion:154 Resp: 139489
Ion Ratio Lower Upper
154 100
153 114.1 91.3 136.9
152 52.6 41.4 62.2

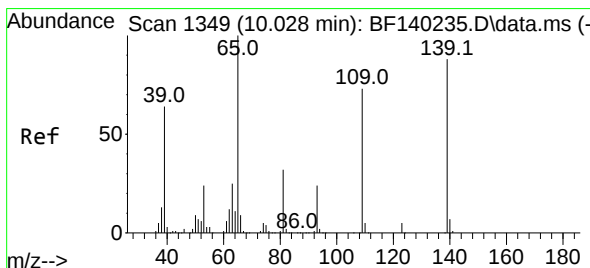
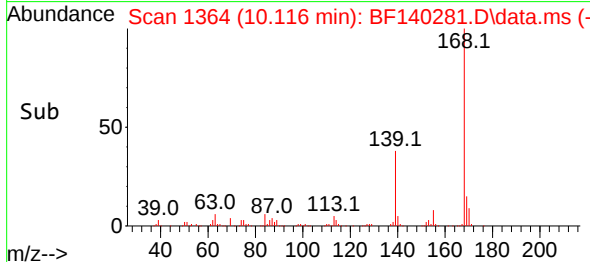
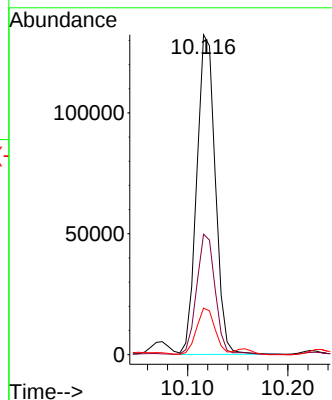
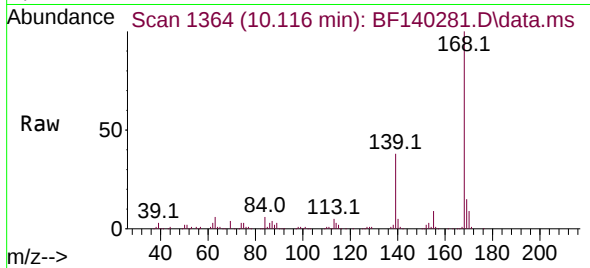




#55
Dibenzenofuran
Concen: 8.850 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF140281.D
Acq: 07 Nov 2024 17:59

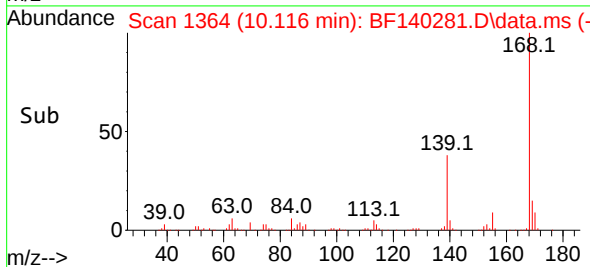
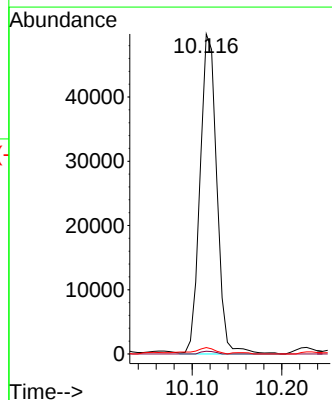
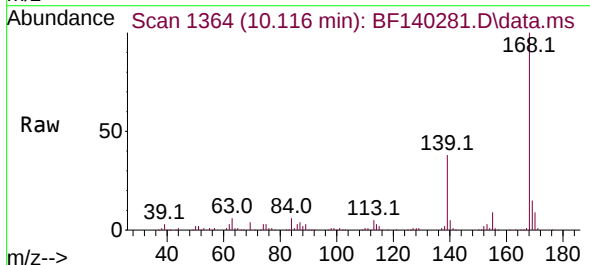
Instrument :
BNA_F
ClientSampleId :
Z-01DL

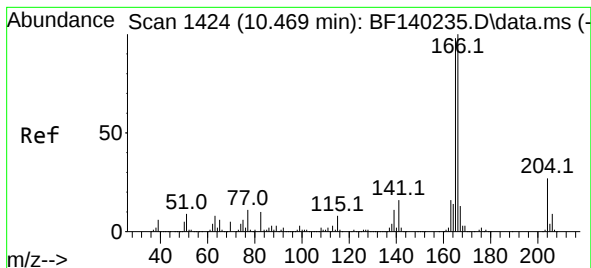
Tgt Ion:168 Resp: 170122
Ion Ratio Lower Upper
168 100
139 37.6 31.5 47.3
169 14.5 10.6 15.8



#56
4-Nitrophenol
Concen: 26.855 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.088 min
Lab File: BF140281.D
Acq: 07 Nov 2024 17:59

Tgt Ion:139 Resp: 64768
Ion Ratio Lower Upper
139 100
109 0.9 63.8 103.8#
65 2.0 94.7 134.7#





#58

Fluorene

Concen: 10.197 ng

RT: 10.463 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF140281.D

Acq: 07 Nov 2024 17:59

Instrument :

BNA_F

ClientSampleId :

Z-01DL

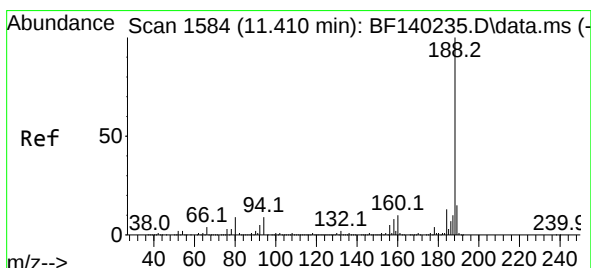
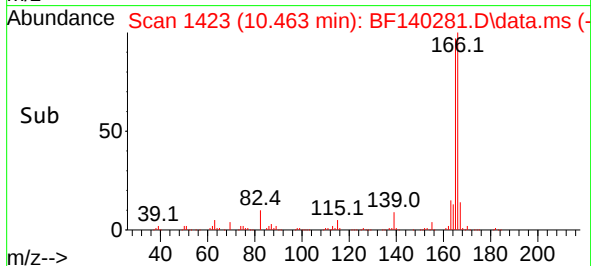
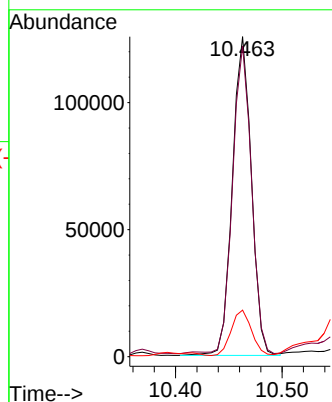
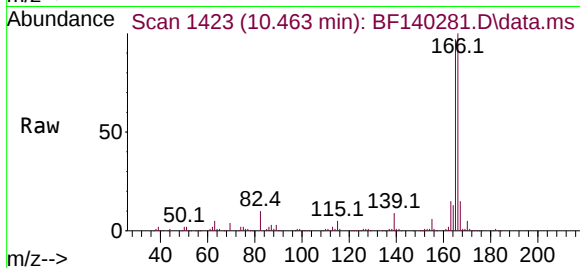
Tgt Ion:166 Resp: 156032

Ion Ratio Lower Upper

166 100

165 97.1 78.7 118.1

167 14.6 10.8 16.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF140281.D

Acq: 07 Nov 2024 17:59

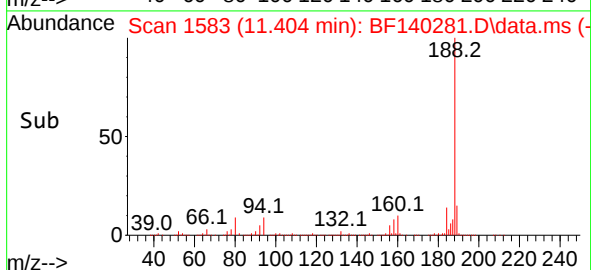
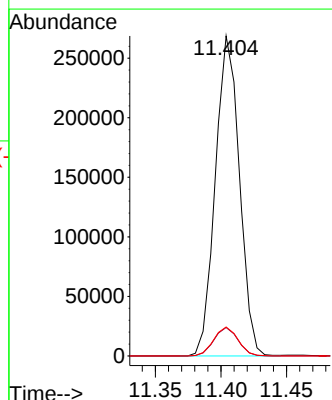
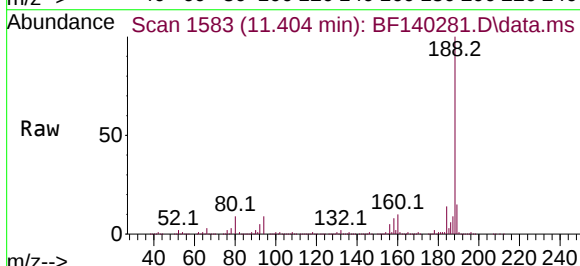
Tgt Ion:188 Resp: 342879

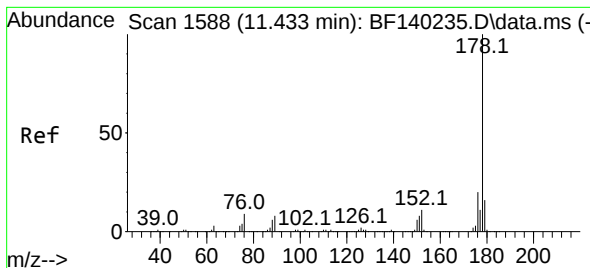
Ion Ratio Lower Upper

188 100

94 8.9 6.9 10.3

80 9.1 7.5 11.3





#71

Phenanthrene

Concen: 75.352 ng

RT: 11.433 min Scan# 1588

Delta R.T. 0.000 min

Lab File: BF140281.D

Acq: 07 Nov 2024 17:59

Instrument :

BNA_F

ClientSampleId :

Z-01DL

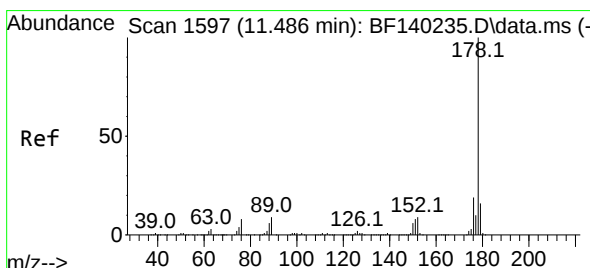
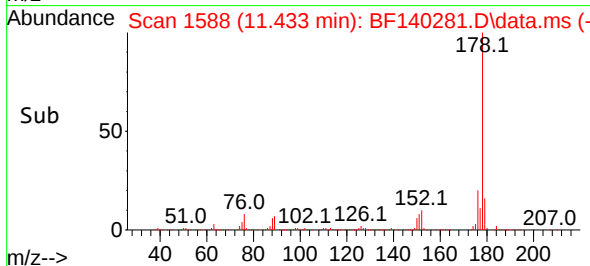
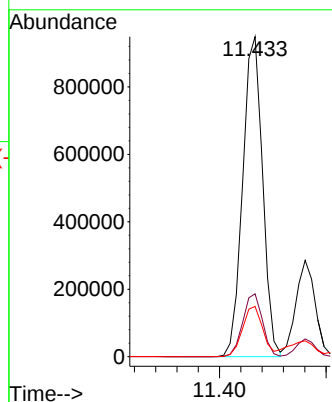
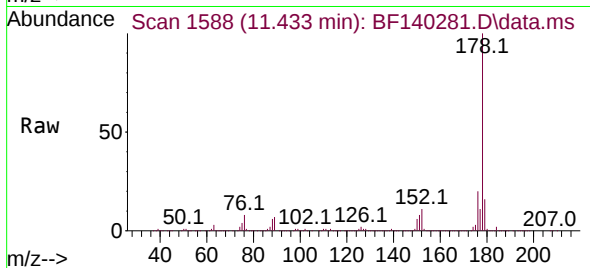
Tgt Ion:178 Resp: 1233016

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

179 15.7 12.6 18.8



#72

Anthracene

Concen: 22.449 ng

RT: 11.480 min Scan# 1596

Delta R.T. -0.006 min

Lab File: BF140281.D

Acq: 07 Nov 2024 17:59

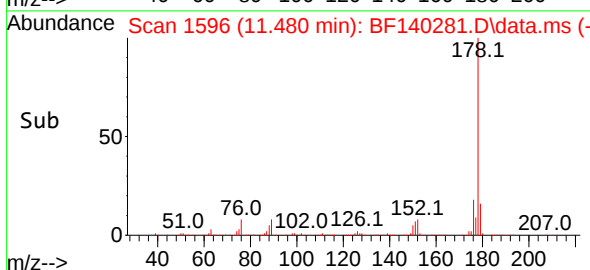
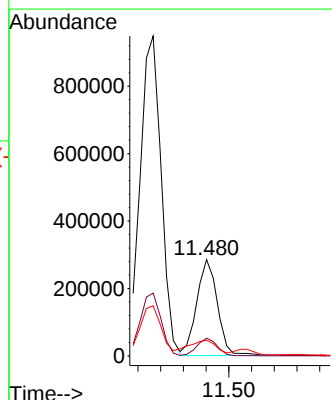
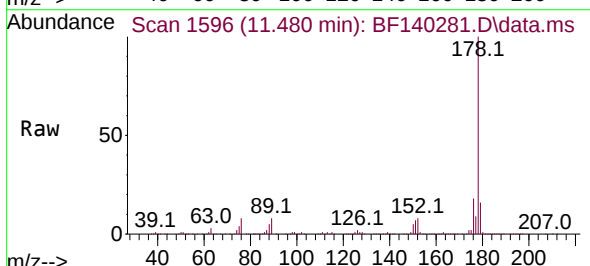
Tgt Ion:178 Resp: 360197

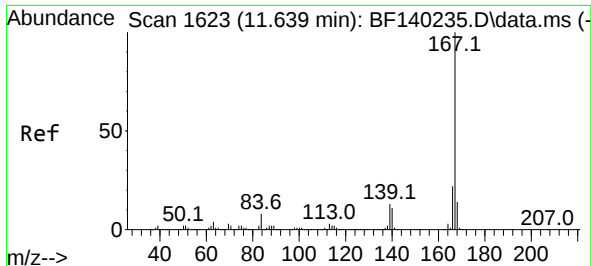
Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.0

179 16.5 12.7 19.1

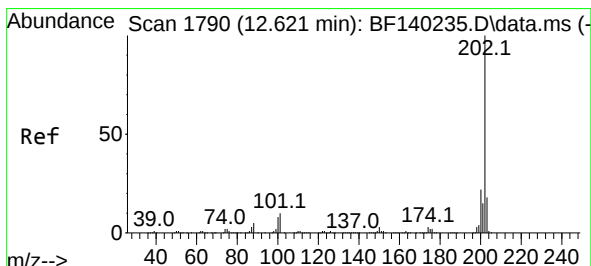
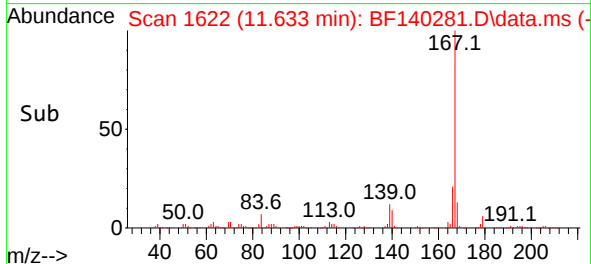
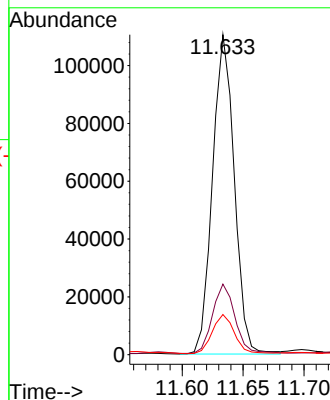
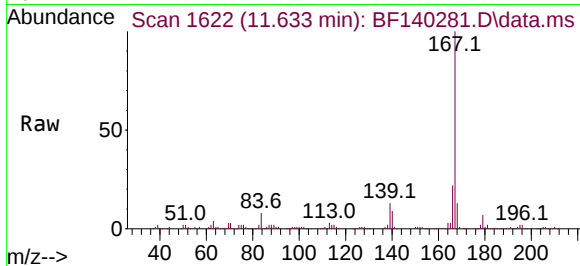




#73
Carbazole
Concen: 9.389 ng
RT: 11.633 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140281.D
Acq: 07 Nov 2024 17:59

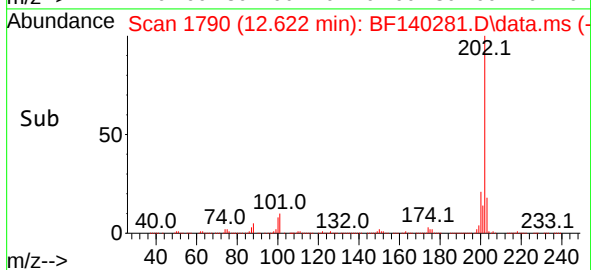
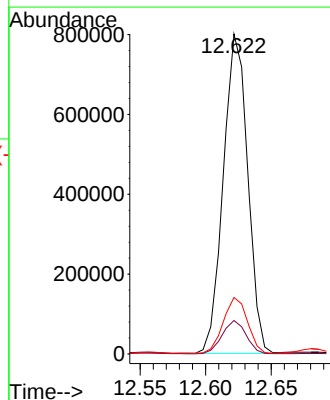
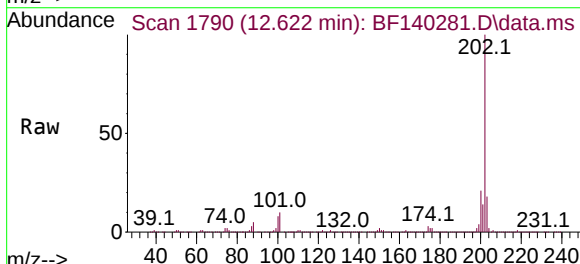
Instrument :
BNA_F
ClientSampleId :
Z-01DL

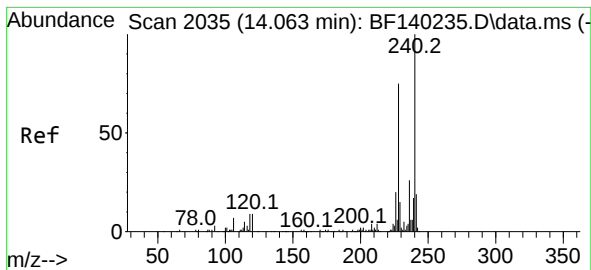
Tgt Ion:167 Resp: 137656
Ion Ratio Lower Upper
167 100
166 22.1 17.3 25.9
139 12.6 10.7 16.1



#75
Fluoranthene
Concen: 60.567 ng
RT: 12.622 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BF140281.D
Acq: 07 Nov 2024 17:59

Tgt Ion:202 Resp: 1036307
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.4
203 17.6 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF140281.D

Acq: 07 Nov 2024 17:59

Instrument :

BNA_F

ClientSampleId :

Z-01DL

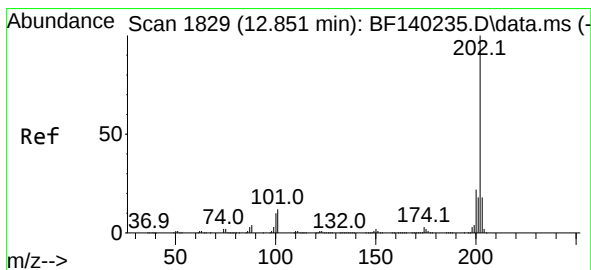
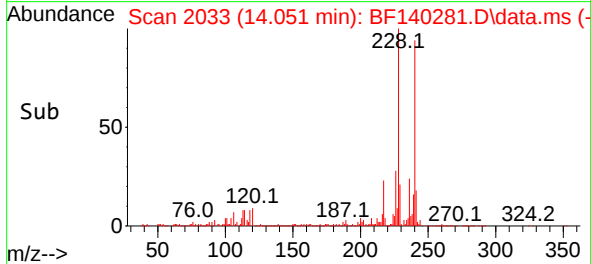
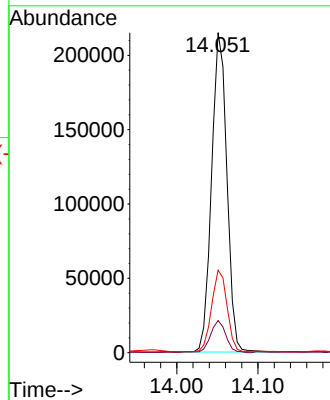
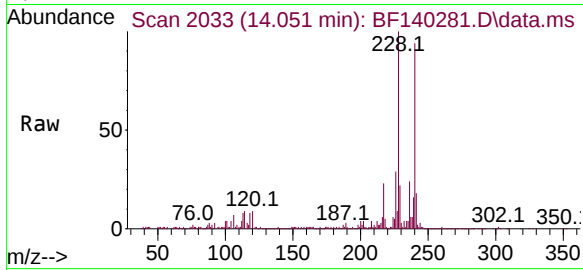
Tgt Ion:240 Resp: 280255

Ion Ratio Lower Upper

240 100

120 10.1 7.5 11.3

236 25.8 20.9 31.3



#78

Pyrene

Concen: 39.921 ng

RT: 12.851 min Scan# 1829

Delta R.T. 0.000 min

Lab File: BF140281.D

Acq: 07 Nov 2024 17:59

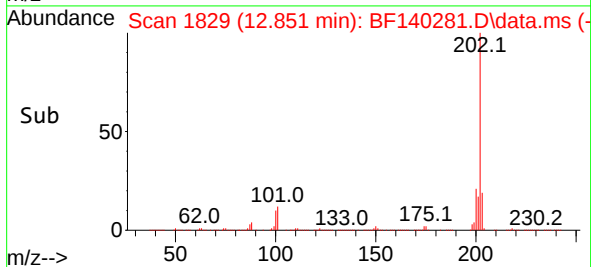
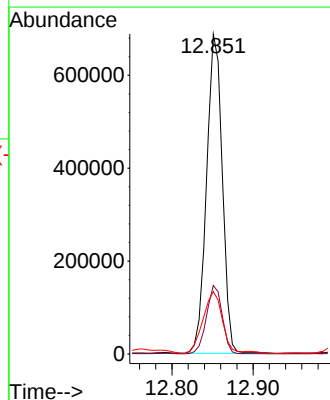
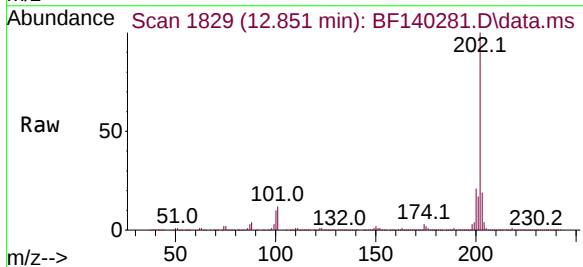
Tgt Ion:202 Resp: 923768

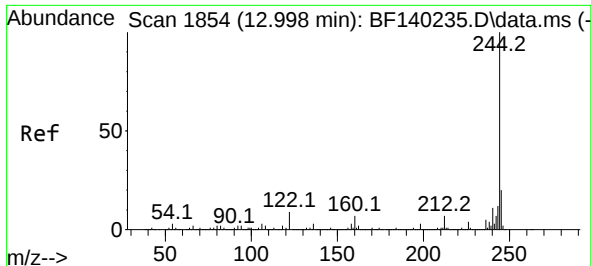
Ion Ratio Lower Upper

202 100

200 21.4 17.5 26.3

203 19.5 14.4 21.6

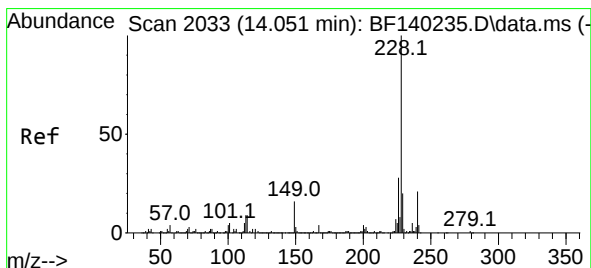
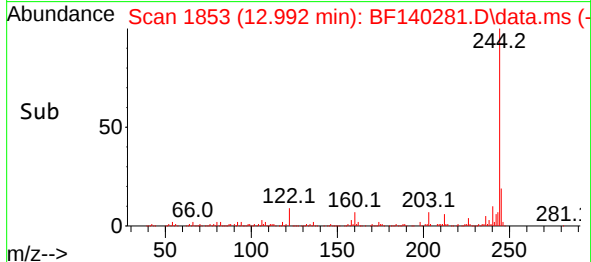
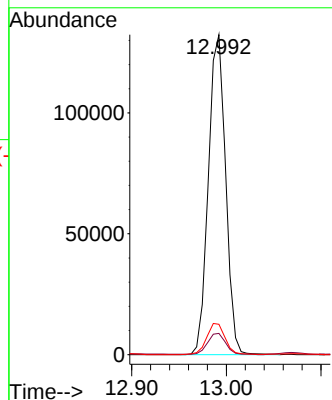
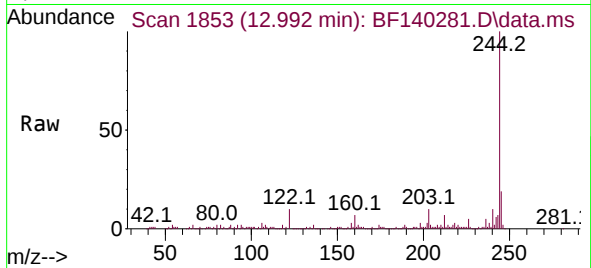




#79
 Terphenyl-d14
 Concen: 9.808 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF140281.D
 Acq: 07 Nov 2024 17:59

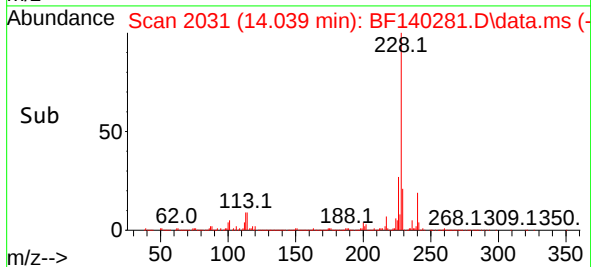
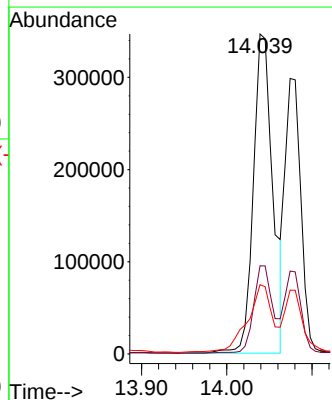
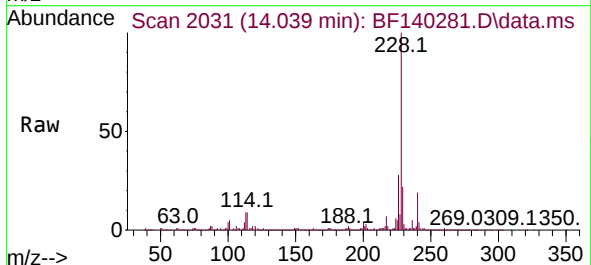
Instrument :
 BNA_F
 ClientSampleId :
 Z-01DL

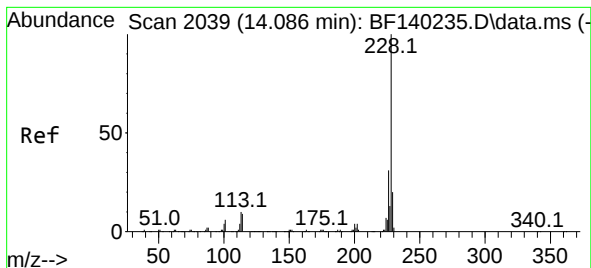
Tgt Ion:244 Resp: 167806
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 9.5 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 30.477 ng
 RT: 14.039 min Scan# 2031
 Delta R.T. -0.012 min
 Lab File: BF140281.D
 Acq: 07 Nov 2024 17:59

Tgt Ion:228 Resp: 548151
 Ion Ratio Lower Upper
 228 100
 226 27.6 22.3 33.5
 229 21.6 16.1 24.1





#83

Chrysene

Concen: 22.545 ng

RT: 14.074 min Scan# 2039

Delta R.T. -0.012 min

Lab File: BF140281.D

Acq: 07 Nov 2024 17:59

Instrument :

BNA_F

ClientSampleId :

Z-01DL

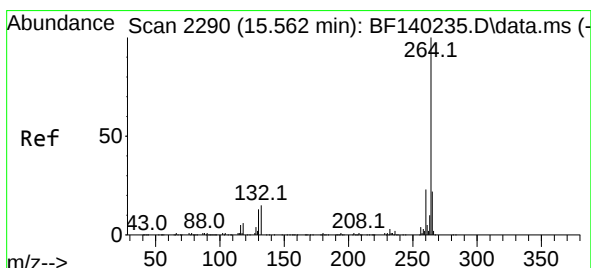
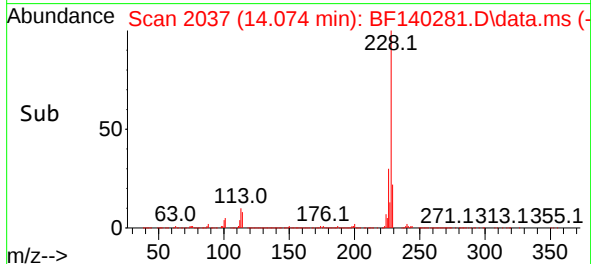
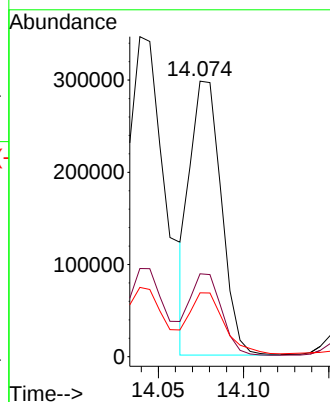
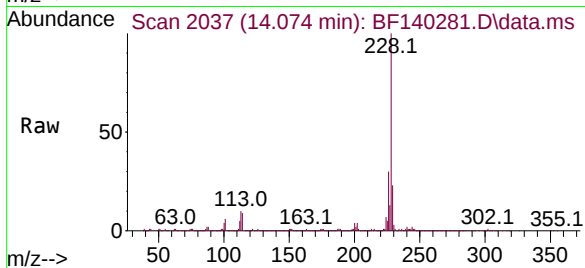
Tgt Ion:228 Resp: 379715

Ion Ratio Lower Upper

228 100

226 30.1 24.6 36.8

229 23.2 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2286

Delta R.T. -0.023 min

Lab File: BF140281.D

Acq: 07 Nov 2024 17:59

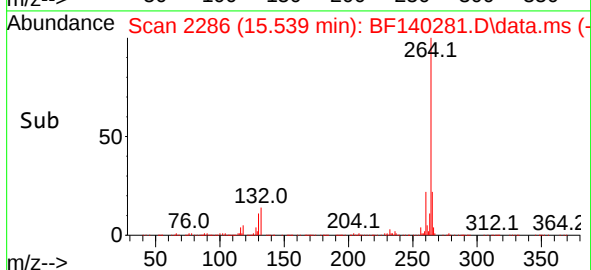
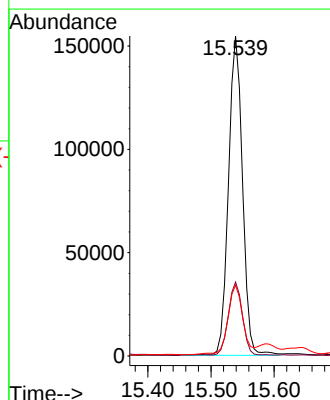
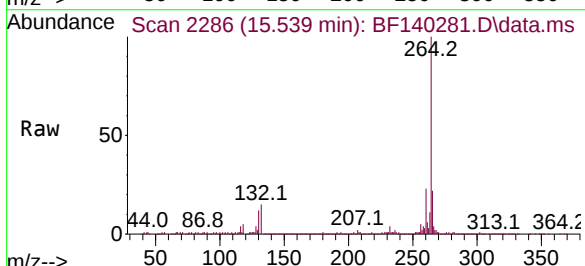
Tgt Ion:264 Resp: 238735

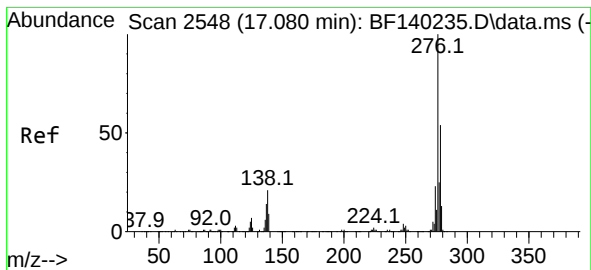
Ion Ratio Lower Upper

264 100

260 23.1 18.8 28.2

265 22.1 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.259 ng

RT: 17.033 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF140281.D

Acq: 07 Nov 2024 17:59

Instrument :

BNA_F

ClientSampleId :

Z-01DL

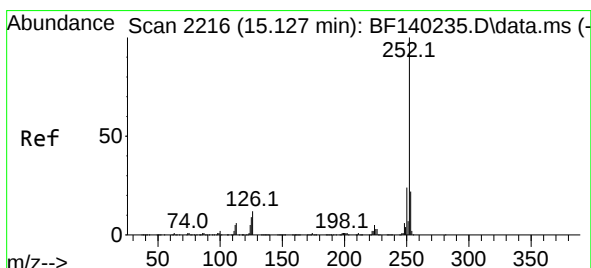
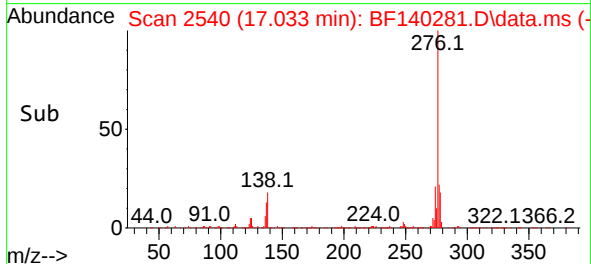
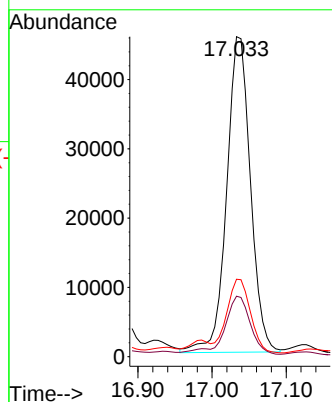
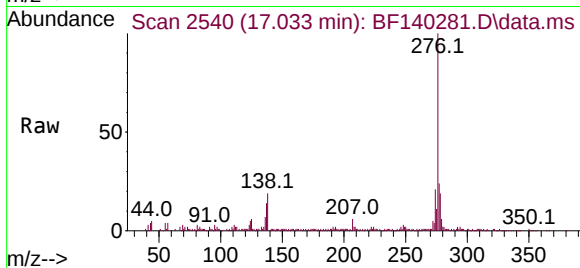
Tgt Ion:276 Resp: 101728

Ion Ratio Lower Upper

276 100

138 19.9 17.6 26.4

277 23.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 33.895 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.023 min

Lab File: BF140281.D

Acq: 07 Nov 2024 17:59

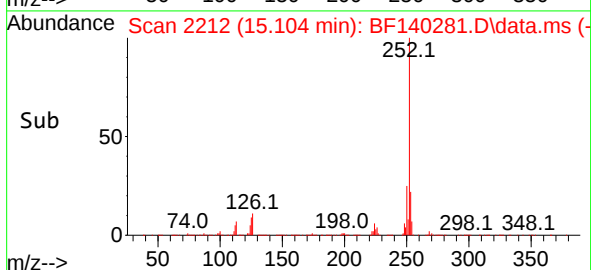
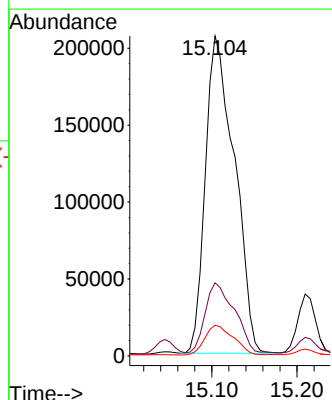
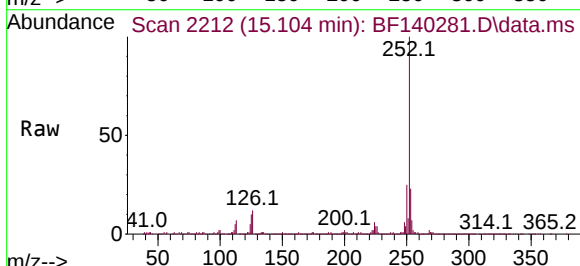
Tgt Ion:252 Resp: 489467

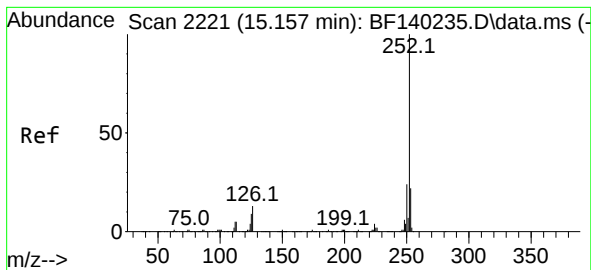
Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

125 9.6 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 36.939 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.053 min

Lab File: BF140281.D

Acq: 07 Nov 2024 17:59

Instrument :

BNA_F

ClientSampleId :

Z-01DL

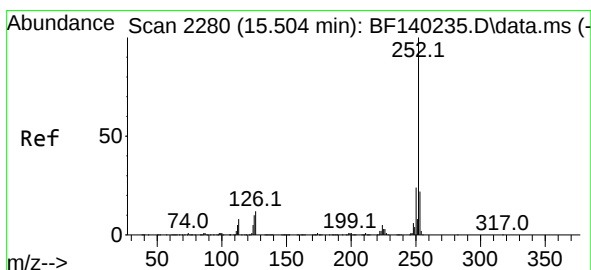
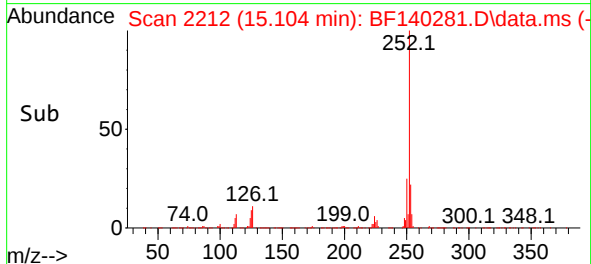
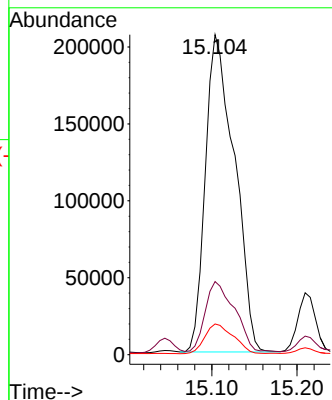
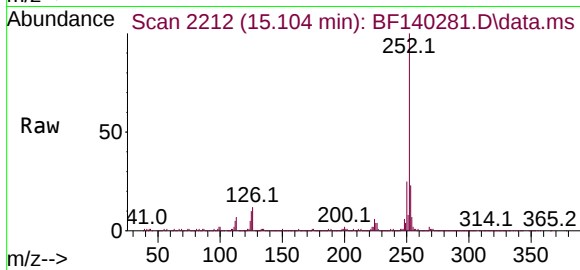
Tgt Ion:252 Resp: 489467

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 9.6 7.2 10.8



#90

Benzo(a)pyrene

Concen: 21.508 ng

RT: 15.474 min Scan# 2275

Delta R.T. -0.029 min

Lab File: BF140281.D

Acq: 07 Nov 2024 17:59

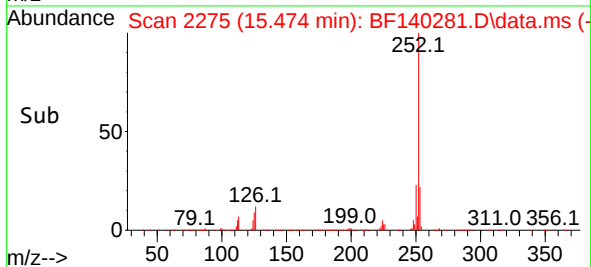
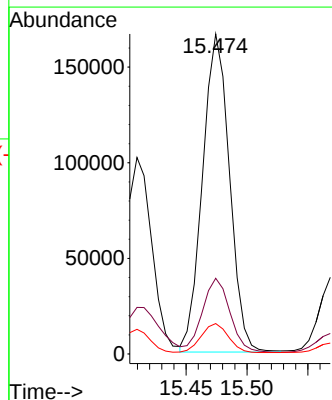
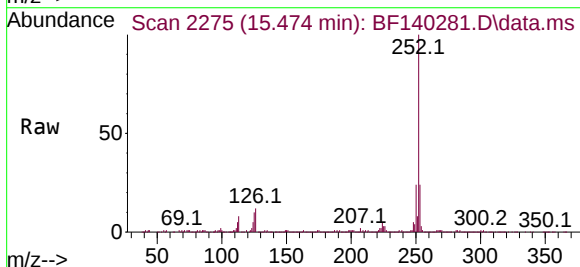
Tgt Ion:252 Resp: 256077

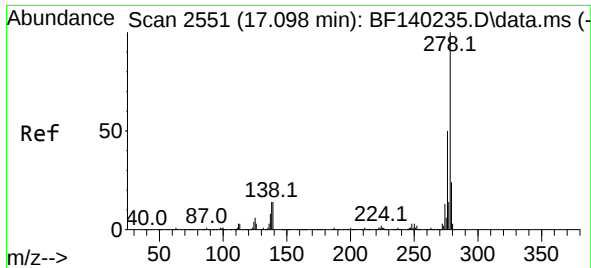
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

125 9.5 7.6 11.4

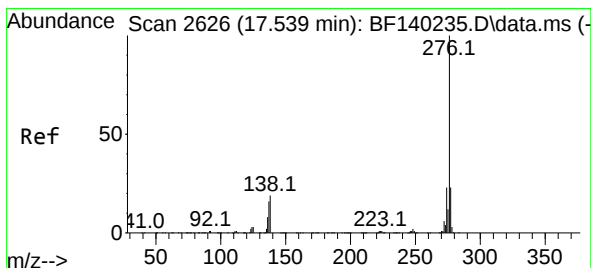
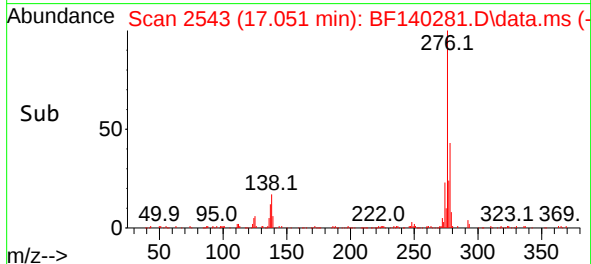
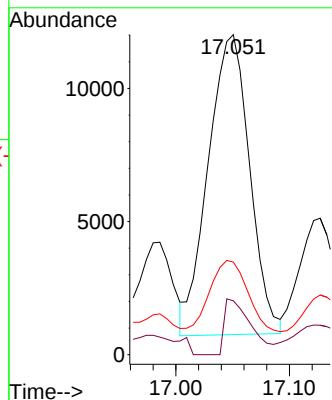
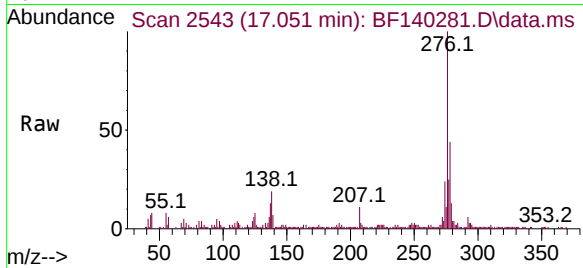




#91
Dibenzo(a,h)anthracene
Concen: 2.480 ng
RT: 17.051 min Scan# 21
Delta R.T. -0.047 min
Lab File: BF140281.D
Acq: 07 Nov 2024 17:59

Instrument :
BNA_F
ClientSampleId :
Z-01DL

Tgt Ion:278 Resp: 28598
Ion Ratio Lower Upper
278 100
139 16.9 11.1 16.7#
279 28.9 19.1 28.7#



#92
Benzo(g,h,i)perylene
Concen: 7.611 ng
RT: 17.492 min Scan# 2618
Delta R.T. -0.047 min
Lab File: BF140281.D
Acq: 07 Nov 2024 17:59

Tgt Ion:276 Resp: 89510
Ion Ratio Lower Upper
276 100
277 23.4 18.8 28.2
138 18.0 15.3 22.9

