

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072524\
 Data File : BF138661.D
 Acq On : 25 Jul 2024 19:22
 Operator : RC/JU
 Sample : P3339-01DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-072324DL

Quant Time: Jul 26 01:13:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

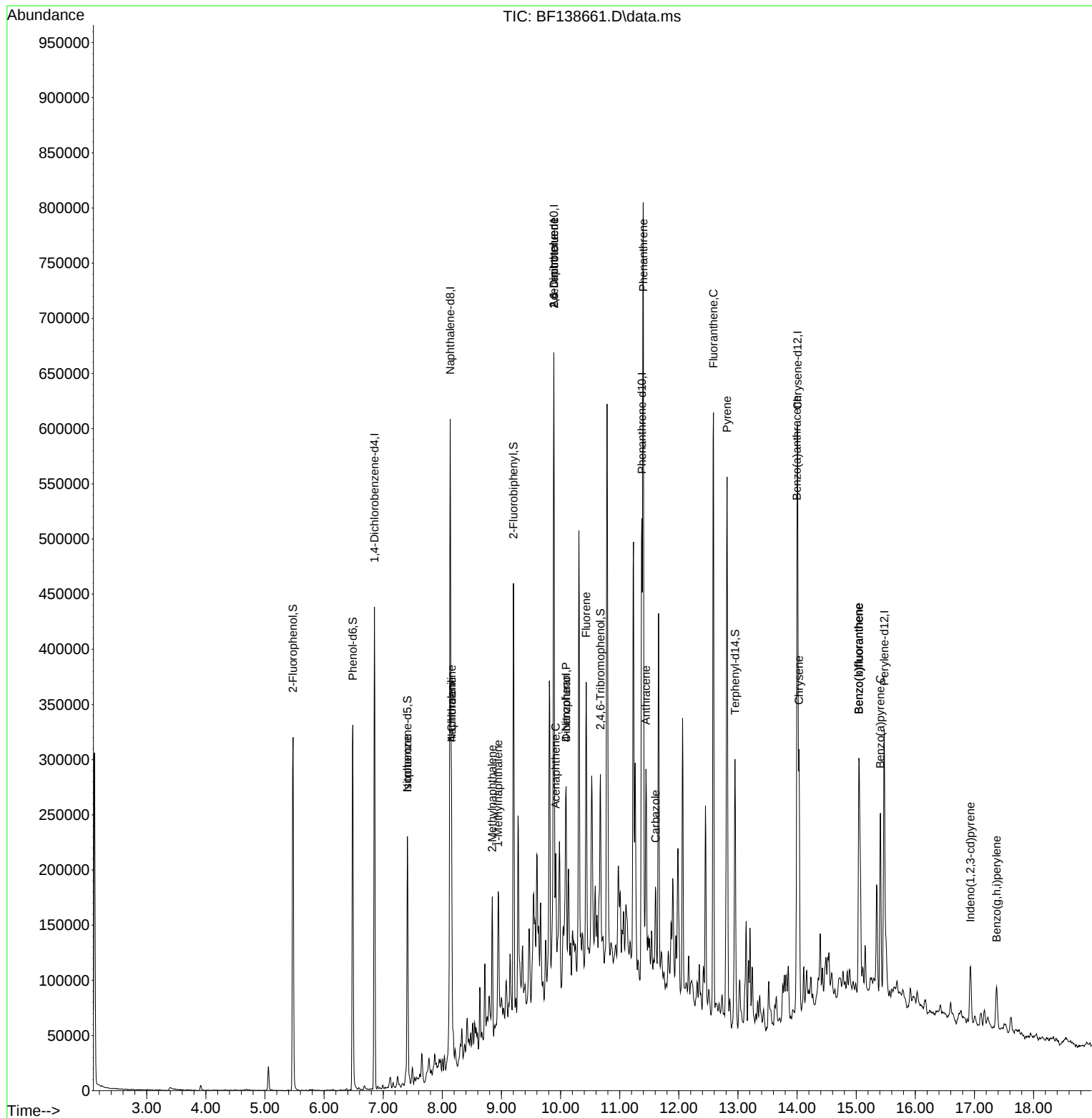
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	83711	20.000	ng	-0.02
21) Naphthalene-d8	8.134	136	325053	20.000	ng	-0.02
39) Acenaphthene-d10	9.886	164	160882	20.000	ng	-0.02
64) Phenanthrene-d10	11.374	188	202494	20.000	ng	-0.01
76) Chrysene-d12	14.010	240	148191	20.000	ng	-0.02
86) Perylene-d12	15.474	264	133147	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	109084	20.638	ng	-0.02
7) Phenol-d6	6.487	99	148353	21.099	ng	-0.02
23) Nitrobenzene-d5	7.410	82	92718	14.005	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	19684	13.091	ng	-0.02
45) 2-Fluorobiphenyl	9.204	172	160965	15.637	ng	-0.02
79) Terphenyl-d14	12.951	244	102166	11.231	ng	-0.02
Target Compounds						Qvalue
25) Isophorone	7.410	82	91615	8.058	ng	# 68
31) Naphthalene	8.157	128	141444	8.367	ng	99
33) 4-Chloroaniline	8.157	127	18506	3.120	ng	# 33
37) 2-Methylnaphthalene	8.845	142	46724	4.295	ng	99
38) 1-Methylnaphthalene	8.945	142	30439	2.867	ng	97
51) 2,6-Dinitrotoluene	9.886	165	24136	10.077	ng	# 26
52) Acenaphthene	9.916	154	28350	3.261	ng	97
55) Dibenzofuran	10.092	168	72207	5.727	ng	97
56) 4-Nitrophenol	10.092	139	29531	16.303	ng	# 6
57) 2,4-Dinitrotoluene	9.886	165	24136	7.788	ng	# 20
58) Fluorene	10.433	166	87645	8.785	ng	99
71) Phenanthrene	11.398	178	346892	33.909	ng	99
72) Anthracene	11.445	178	95510	9.405	ng	98
73) Carbazole	11.604	167	27716	3.037	ng	# 94
75) Fluoranthene	12.586	202	300284	28.766	ng	98
78) Pyrene	12.816	202	242597	16.126	ng	98
81) Benzo(a)anthracene	13.998	228	153582	15.445	ng	98
83) Chrysene	14.033	228	115313	12.259	ng	97
87) Indeno(1,2,3-cd)pyrene	16.933	276	37654	4.210	ng	95
88) Benzo(b)fluoranthene	15.045	252	185892	24.791	ng	97
89) Benzo(k)fluoranthene	15.045	252	185892	25.419	ng	97
90) Benzo(a)pyrene	15.410	252	92907	14.104	ng	98
92) Benzo(g,h,i)perylene	17.374	276	34906	4.500	ng	# 92

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

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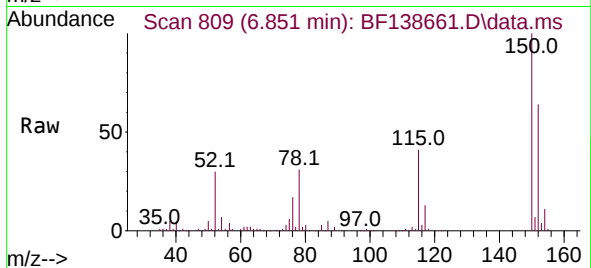
Quant Time: Jul 26 01:13:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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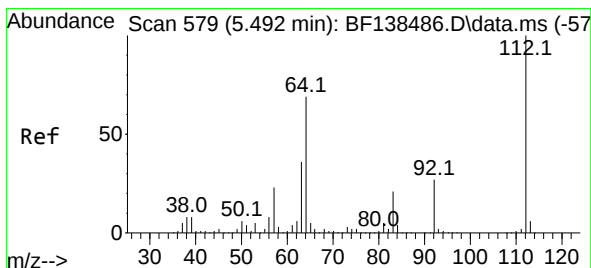
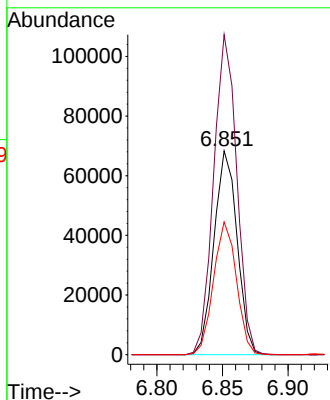
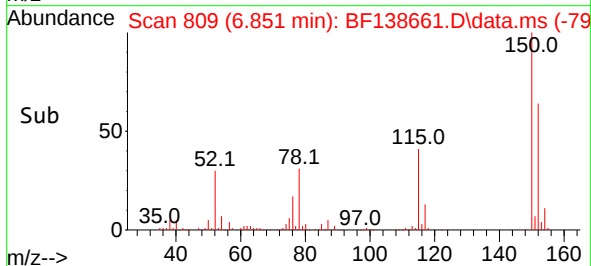


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.018 min
Lab File: BF138661.D
Acq: 25 Jul 2024 19:22

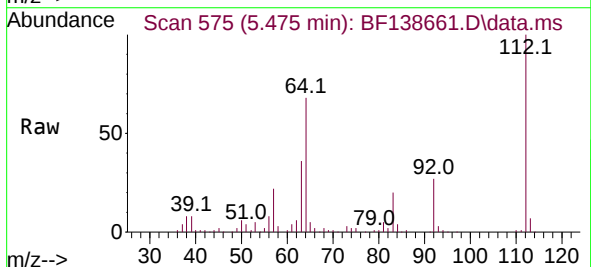
Instrument :
BNA_F
ClientSampleId :
SU-03-072324DL



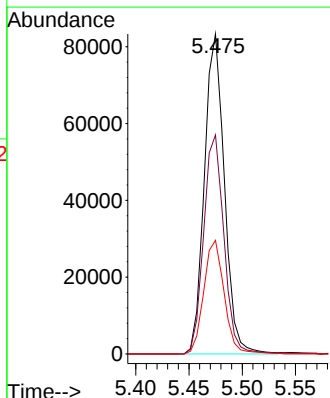
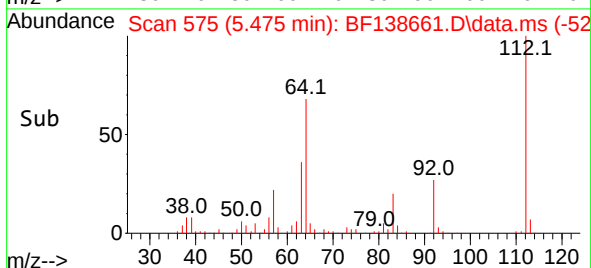
Tgt Ion:152 Resp: 83711
Ion Ratio Lower Upper
152 100
150 157.0 126.2 189.4
115 65.1 50.3 75.5

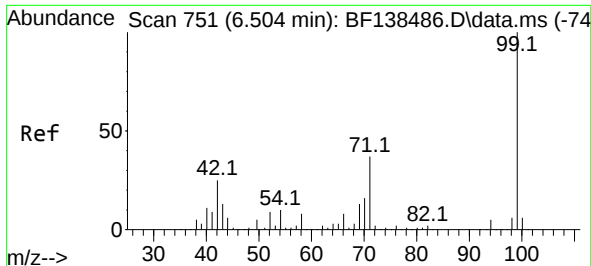


#5
2-Fluorophenol
Concen: 20.638 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.018 min
Lab File: BF138661.D
Acq: 25 Jul 2024 19:22



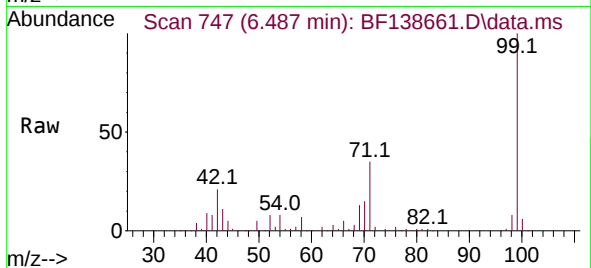
Tgt Ion:112 Resp: 109084
Ion Ratio Lower Upper
112 100
64 68.5 55.1 82.7
63 35.5 29.0 43.6



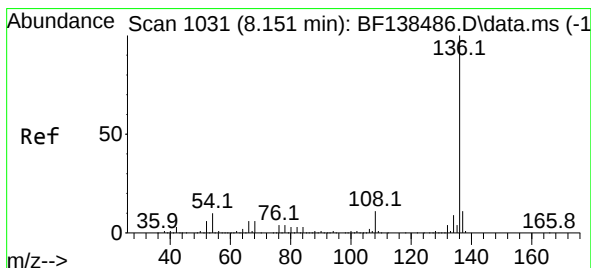
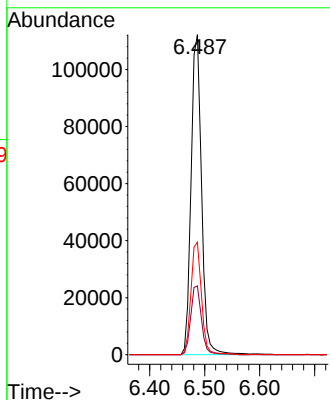
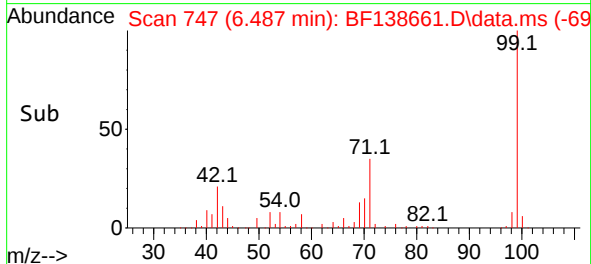


#7
Phenol-d6
Concen: 21.099 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF138661.D
Acq: 25 Jul 2024 19:22

Instrument :
BNA_F
ClientSampleId :
SU-03-072324DL

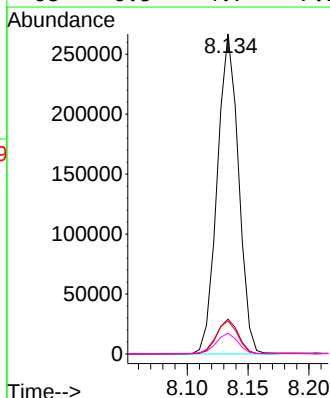
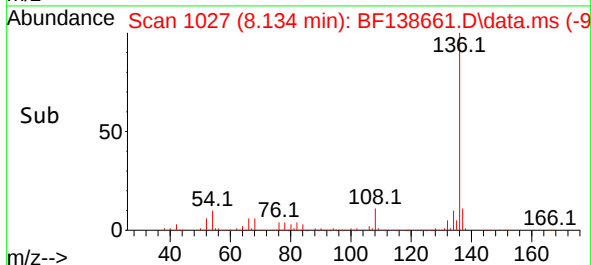
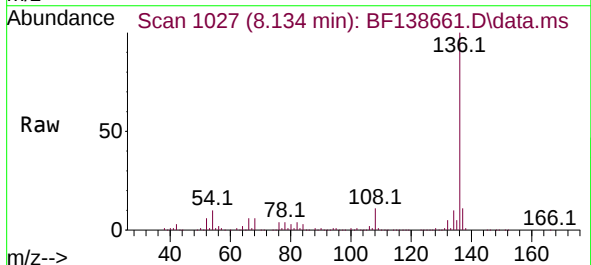


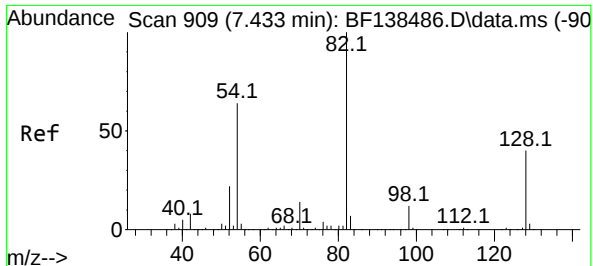
Tgt Ion: 99 Resp: 148353
Ion Ratio Lower Upper
99 100
42 21.5 19.7 29.5
71 35.1 29.9 44.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1027
Delta R.T. -0.018 min
Lab File: BF138661.D
Acq: 25 Jul 2024 19:22

Tgt Ion: 136 Resp: 325053
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 10.3 8.1 12.1
68 6.5 4.7 7.1





#23

Nitrobenzene-d5

Concen: 14.005 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.023 min

Lab File: BF138661.D

Acq: 25 Jul 2024 19:22

Instrument :

BNA_F

ClientSampleId :

SU-03-072324DL

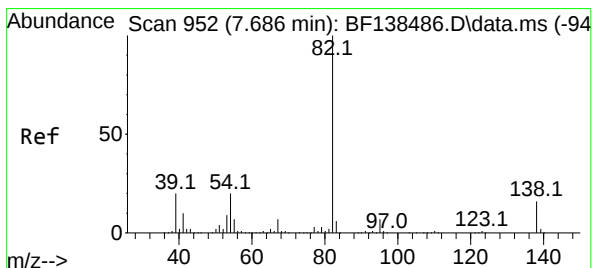
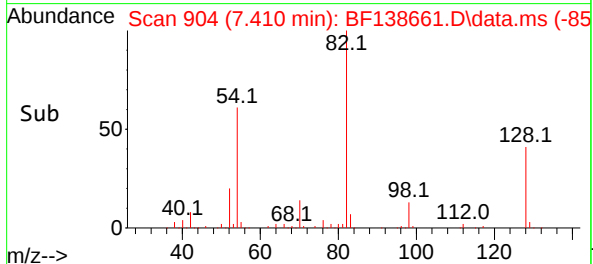
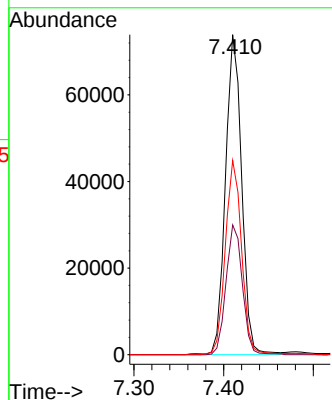
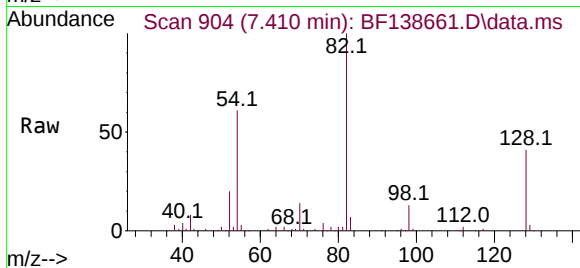
Tgt Ion: 82 Resp: 92718

Ion Ratio Lower Upper

82 100

128 40.5 32.3 48.5

54 60.7 51.4 77.0



#25

Isophorone

Concen: 8.058 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.276 min

Lab File: BF138661.D

Acq: 25 Jul 2024 19:22

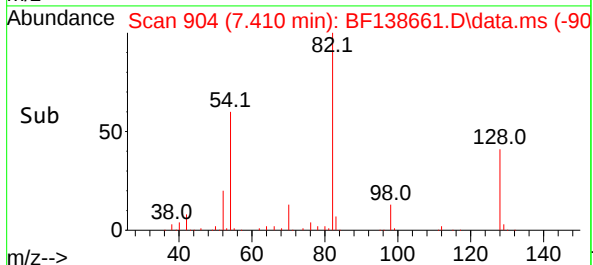
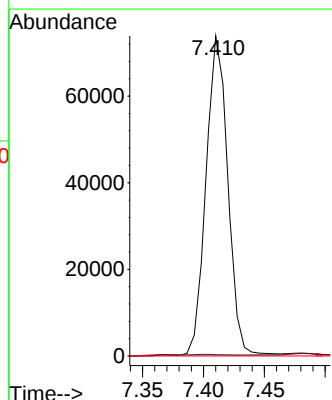
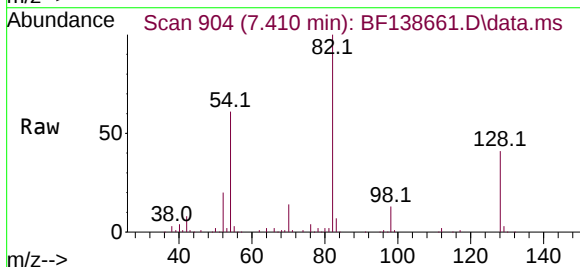
Tgt Ion: 82 Resp: 91615

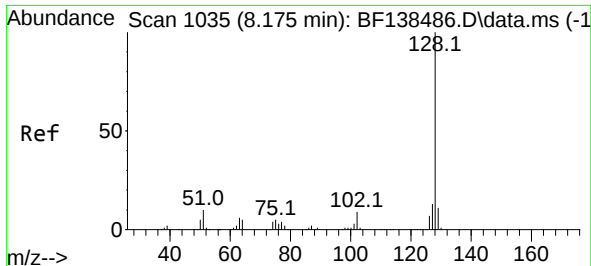
Ion Ratio Lower Upper

82 100

95 0.4 6.0 9.0#

138 0.0 12.8 19.2#

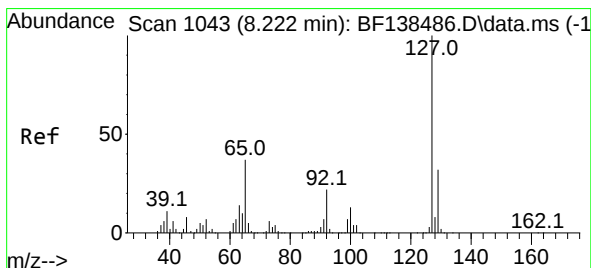
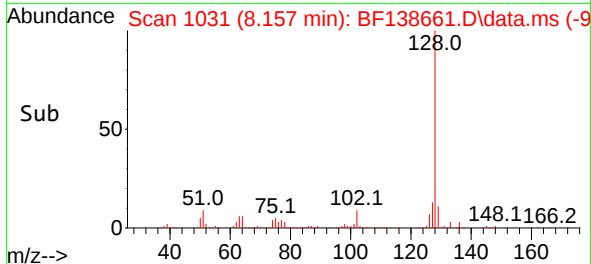
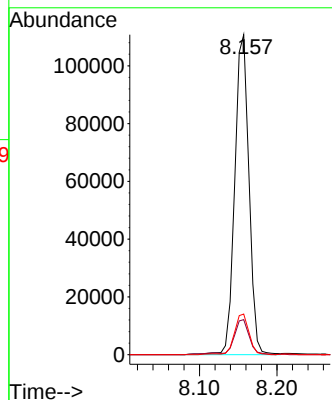
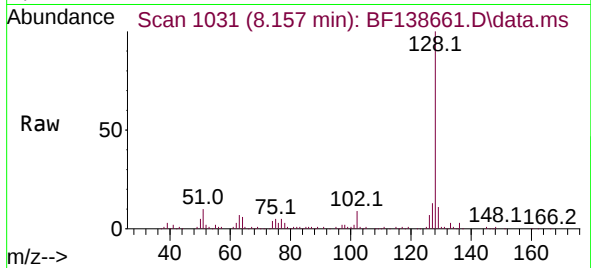




#31
Naphthalene
Concen: 8.367 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.018 min
Lab File: BF138661.D
Acq: 25 Jul 2024 19:22

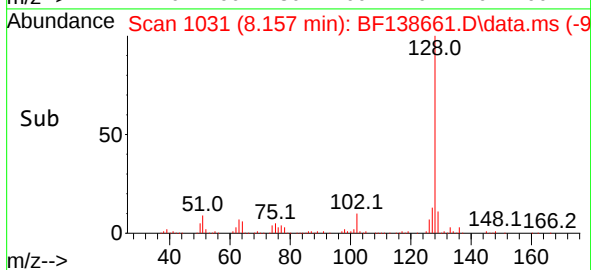
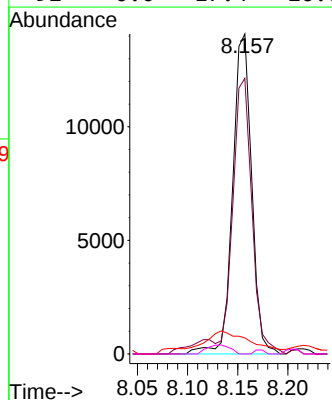
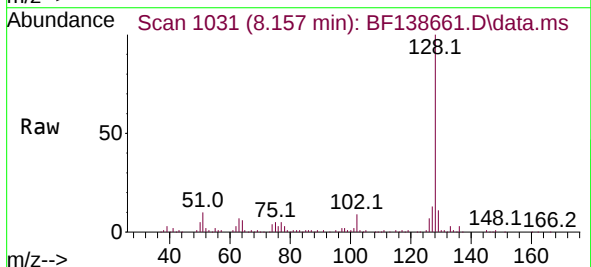
Instrument :
BNA_F
ClientSampleId :
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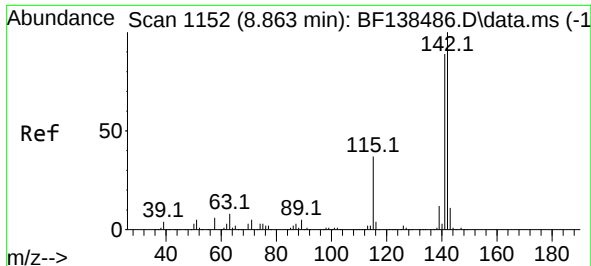
Tgt Ion:128 Resp: 141444
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.7 10.7 16.1



#33
4-Chloroaniline
Concen: 3.120 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.065 min
Lab File: BF138661.D
Acq: 25 Jul 2024 19:22

Tgt Ion:127 Resp: 18506
Ion Ratio Lower Upper
127 100
129 86.1 25.6 38.4#
65 5.0 29.6 44.4#
92 0.0 17.4 26.0#

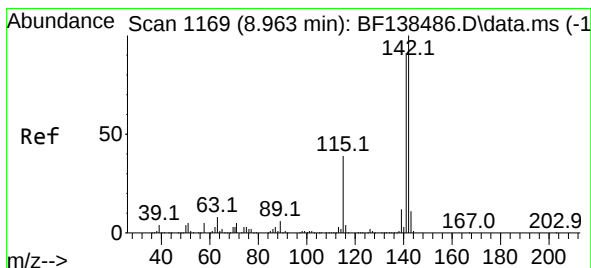
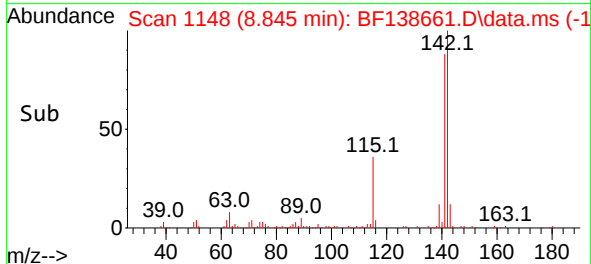
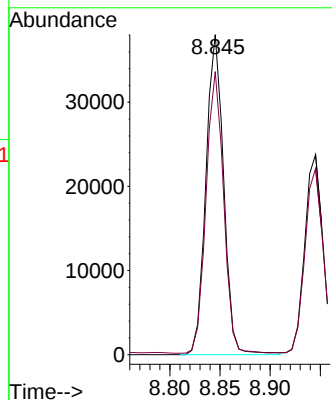
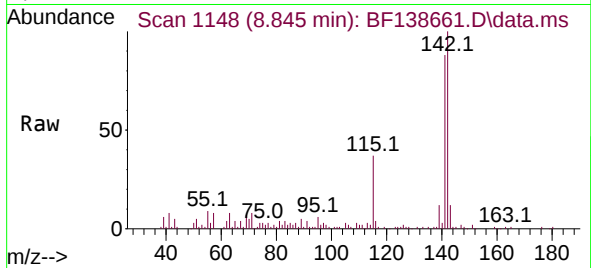




#37
2-Methylnaphthalene
Concen: 4.295 ng
RT: 8.845 min Scan# 1152
Delta R.T. -0.018 min
Lab File: BF138661.D
Acq: 25 Jul 2024 19:22

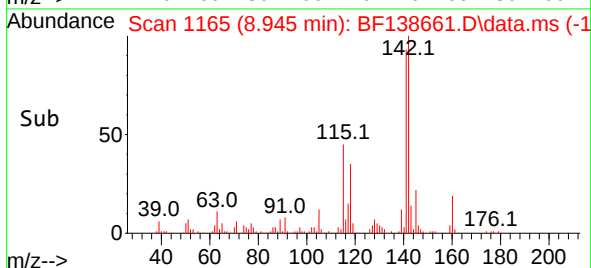
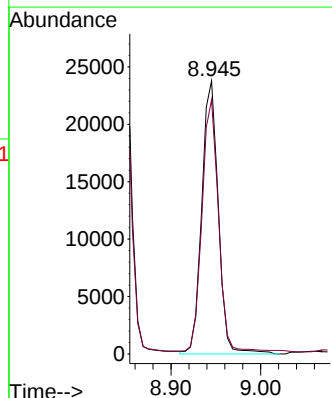
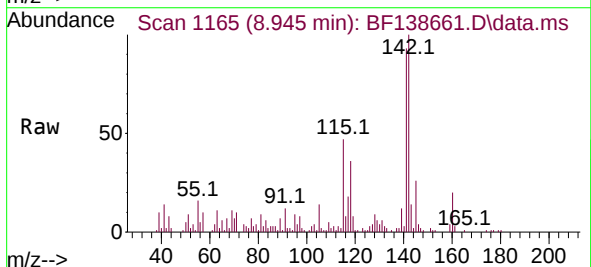
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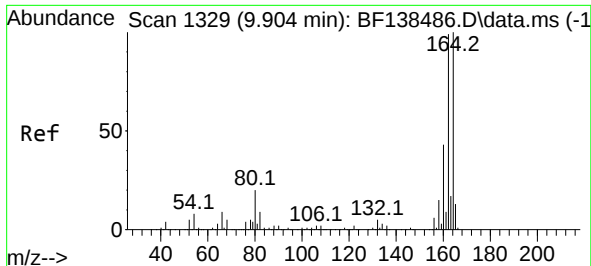
Tgt Ion:142 Resp: 46724
Ion Ratio Lower Upper
142 100
141 88.4 71.4 107.0



#38
1-Methylnaphthalene
Concen: 2.867 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.018 min
Lab File: BF138661.D
Acq: 25 Jul 2024 19:22

Tgt Ion:142 Resp: 30439
Ion Ratio Lower Upper
142 100
141 93.1 72.6 108.8

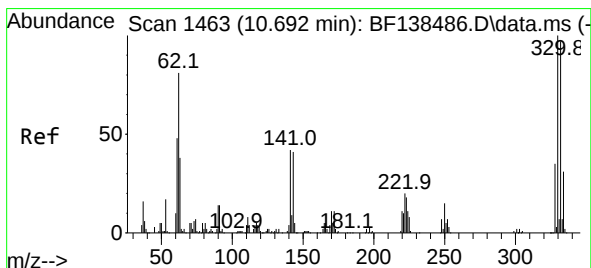
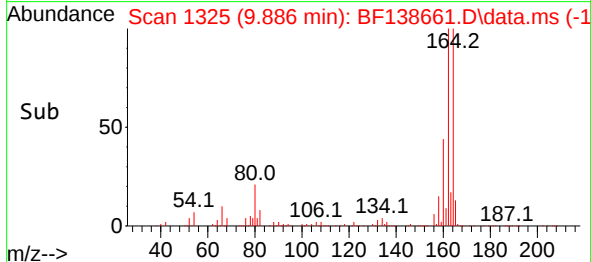
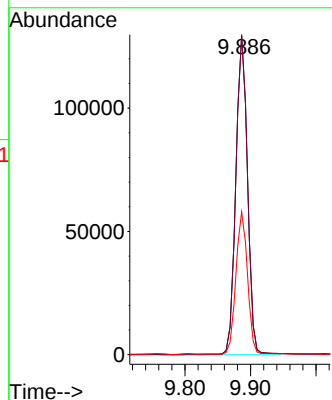
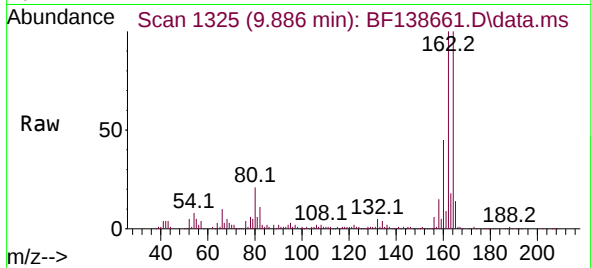




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF138661.D
Acq: 25 Jul 2024 19:22

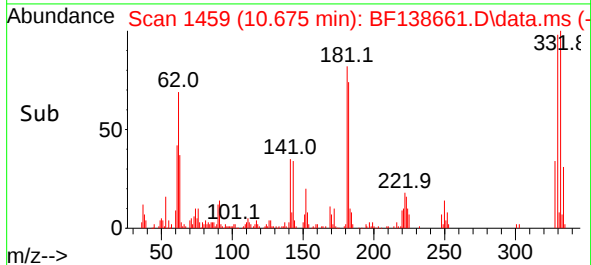
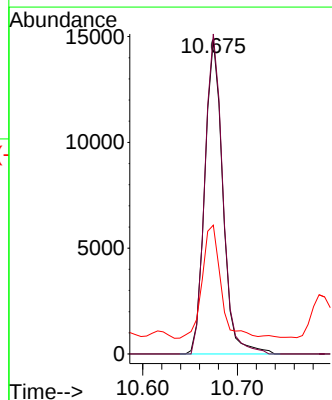
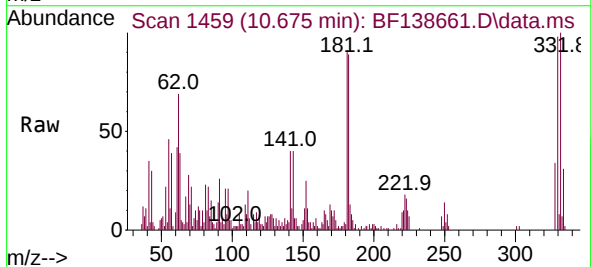
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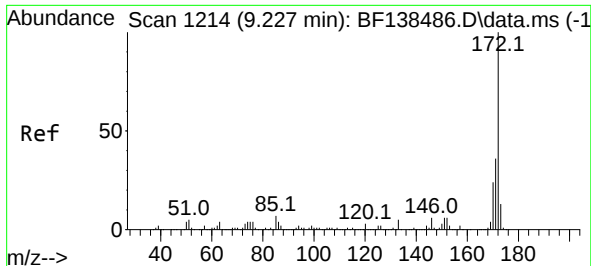
Tgt Ion:164 Resp: 160882
Ion Ratio Lower Upper
164 100
162 100.2 79.0 118.6
160 44.7 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 13.091 ng
RT: 10.675 min Scan# 1459
Delta R.T. -0.018 min
Lab File: BF138661.D
Acq: 25 Jul 2024 19:22

Tgt Ion:330 Resp: 19684
Ion Ratio Lower Upper
330 100
332 100.9 76.8 115.2
141 37.1 29.4 44.2





#45

2-Fluorobiphenyl

Concen: 15.637 ng

RT: 9.204 min Scan# 1

Delta R.T. -0.023 min

Lab File: BF138661.D

Acq: 25 Jul 2024 19:22

Instrument :

BNA_F

ClientSampleId :

SU-03-072324DL

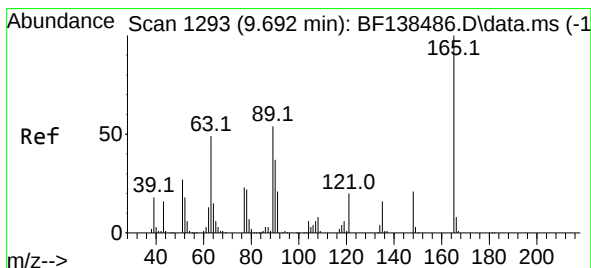
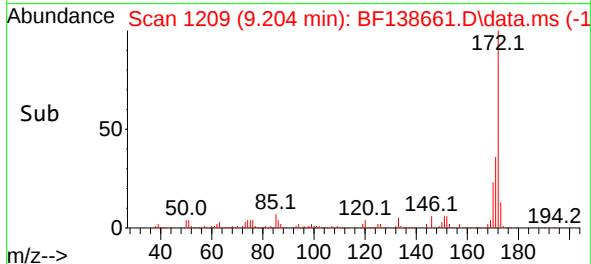
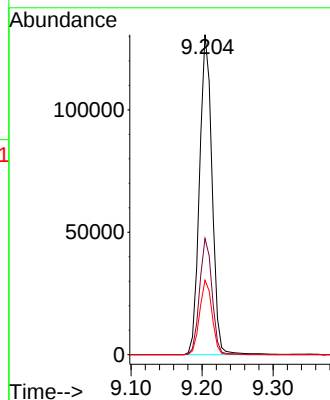
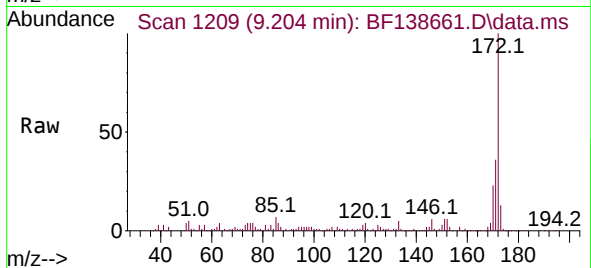
Tgt Ion:172 Resp: 160965

Ion Ratio Lower Upper

172 100

171 36.3 28.9 43.3

170 23.2 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 10.077 ng

RT: 9.886 min Scan# 1325

Delta R.T. 0.194 min

Lab File: BF138661.D

Acq: 25 Jul 2024 19:22

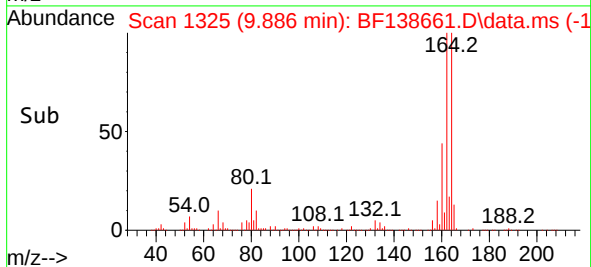
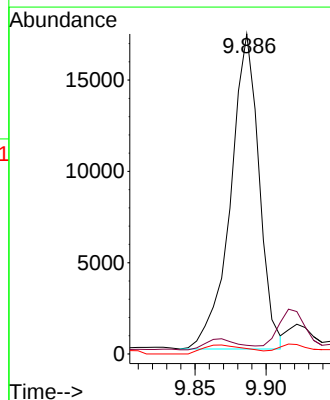
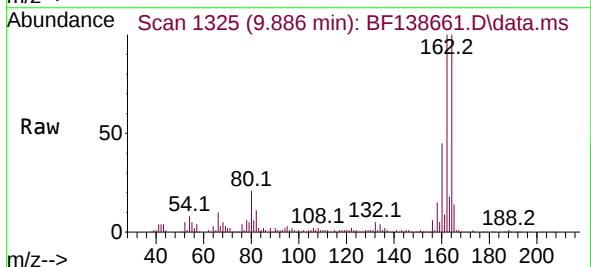
Tgt Ion:165 Resp: 24136

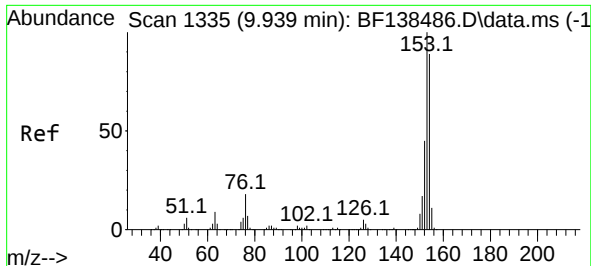
Ion Ratio Lower Upper

165 100

63 2.7 48.1 72.1#

89 1.7 43.0 64.6#

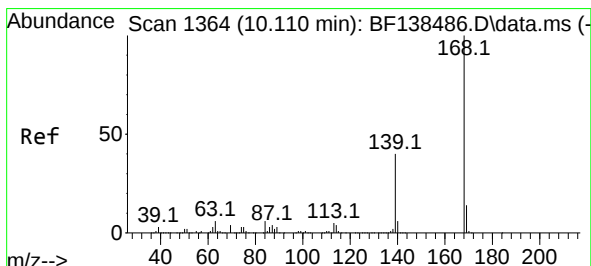
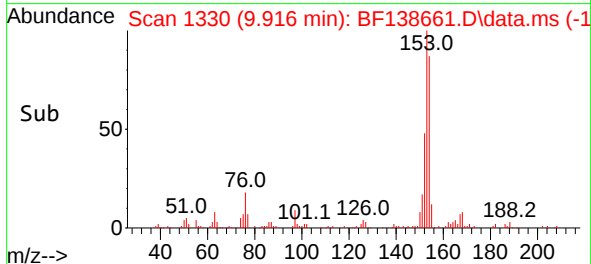
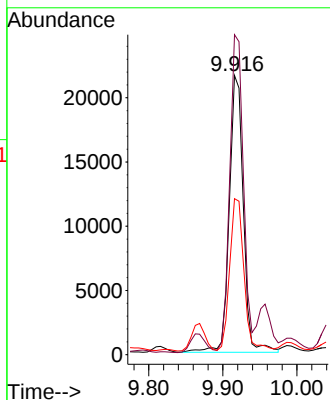
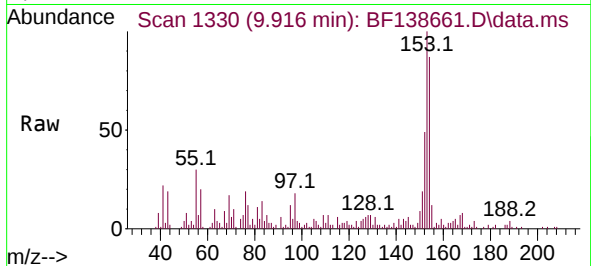




#52
Acenaphthene
Concen: 3.261 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.023 min
Lab File: BF138661.D
Acq: 25 Jul 2024 19:22

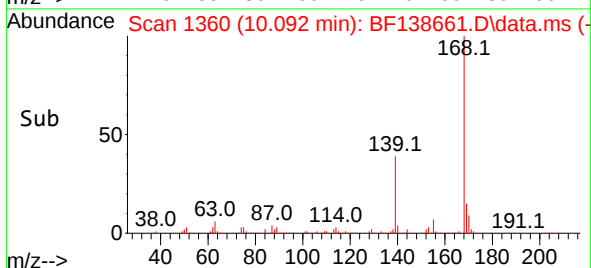
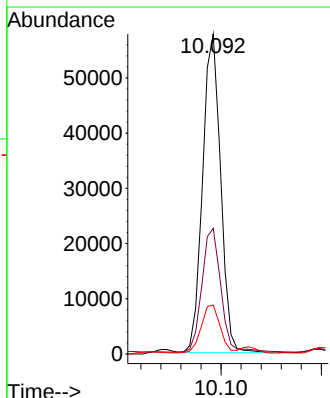
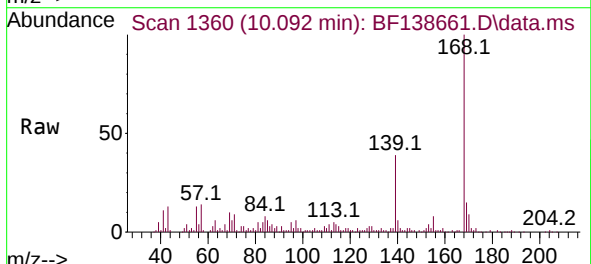
Instrument :
BNA_F
ClientSampleId :
SU-03-072324DL

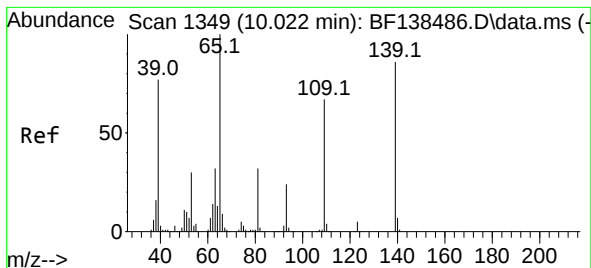
Tgt Ion:154 Resp: 28350
Ion Ratio Lower Upper
154 100
153 114.6 90.4 135.6
152 55.9 41.1 61.7



#55
Dibenzofuran
Concen: 5.727 ng
RT: 10.092 min Scan# 1360
Delta R.T. -0.018 min
Lab File: BF138661.D
Acq: 25 Jul 2024 19:22

Tgt Ion:168 Resp: 72207
Ion Ratio Lower Upper
168 100
139 39.3 32.4 48.6
169 15.3 10.9 16.3

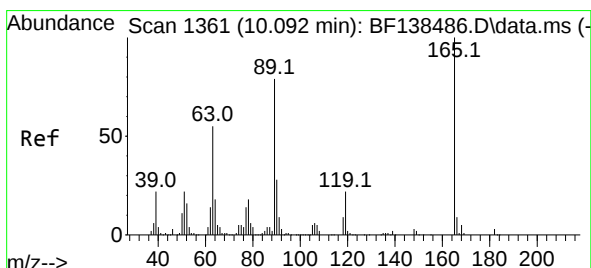
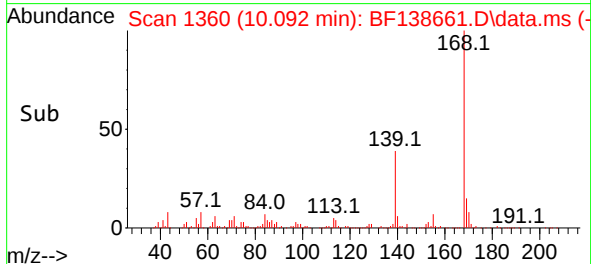
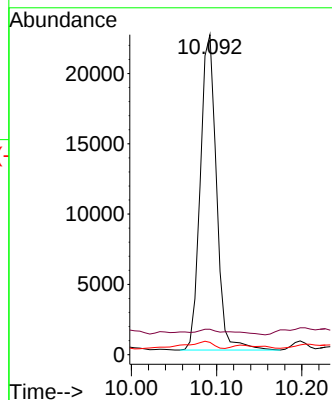
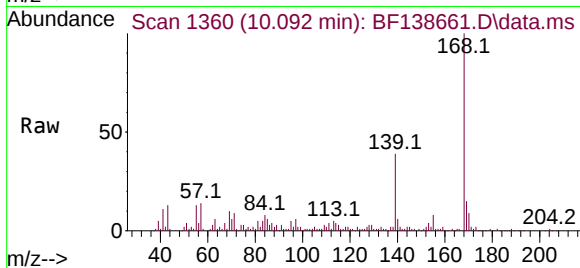




#56
4-Nitrophenol
Concen: 16.303 ng
RT: 10.092 min Scan# 11
Delta R.T. 0.071 min
Lab File: BF138661.D
Acq: 25 Jul 2024 19:22

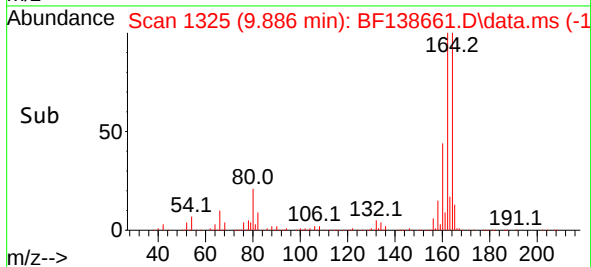
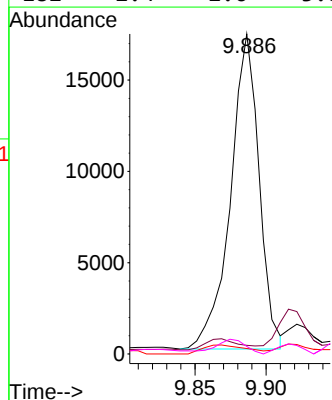
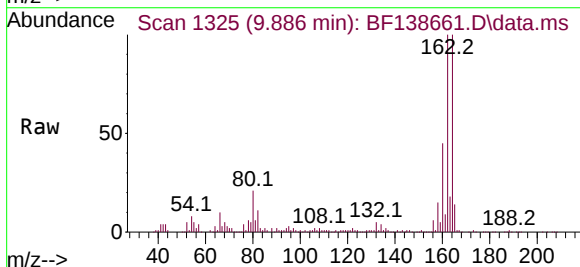
Instrument :
BNA_F
ClientSampleId :
SU-03-072324DL

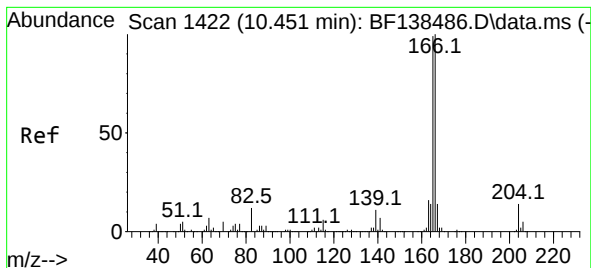
Tgt Ion:139 Resp: 29531
Ion Ratio Lower Upper
139 100
109 7.9 58.1 98.1#
65 3.9 96.9 136.9#



#57
2,4-Dinitrotoluene
Concen: 7.788 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF138661.D
Acq: 25 Jul 2024 19:22

Tgt Ion:165 Resp: 24136
Ion Ratio Lower Upper
165 100
63 2.7 44.6 66.8#
89 1.7 63.4 95.2#
182 2.4 2.6 3.8#





#58

Fluorene

Concen: 8.785 ng

RT: 10.433 min Scan# 1422

Delta R.T. -0.018 min

Lab File: BF138661.D

Acq: 25 Jul 2024 19:22

Instrument :

BNA_F

ClientSampleId :

SU-03-072324DL

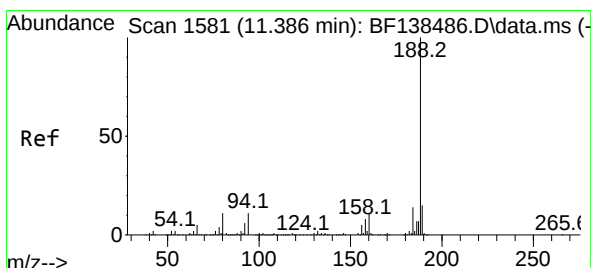
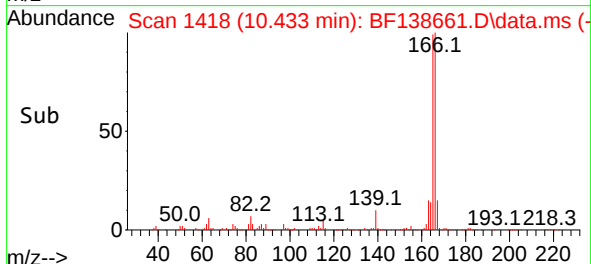
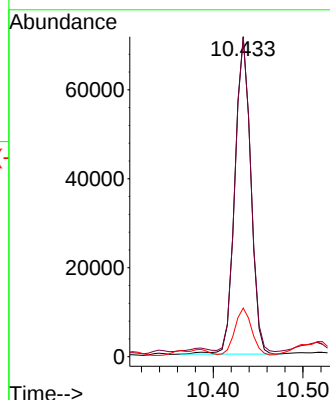
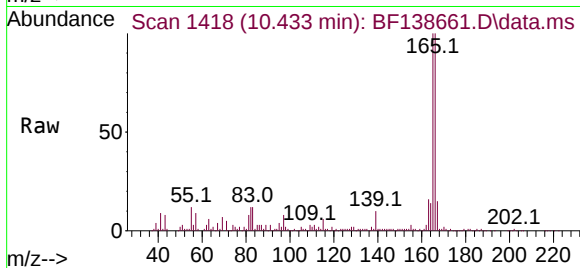
Tgt Ion:166 Resp: 87645

Ion Ratio Lower Upper

166 100

165 99.7 79.1 118.7

167 15.2 11.0 16.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1578

Delta R.T. -0.012 min

Lab File: BF138661.D

Acq: 25 Jul 2024 19:22

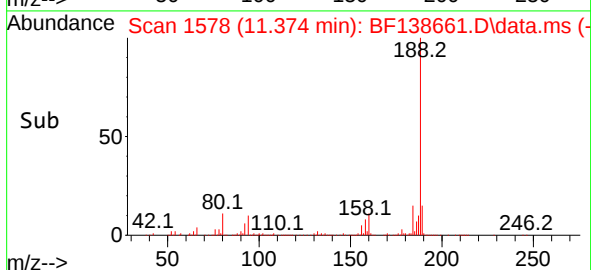
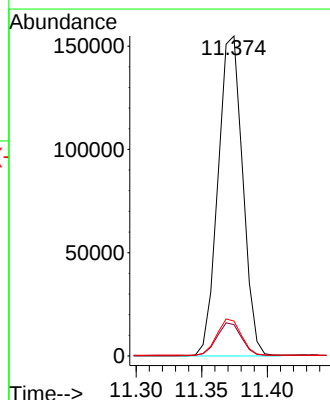
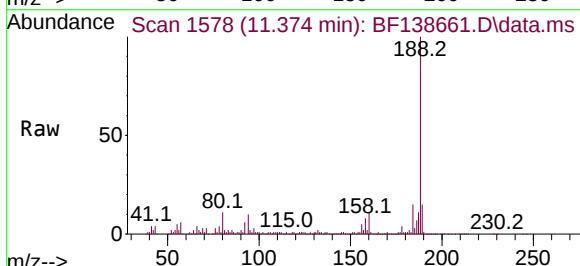
Tgt Ion:188 Resp: 202494

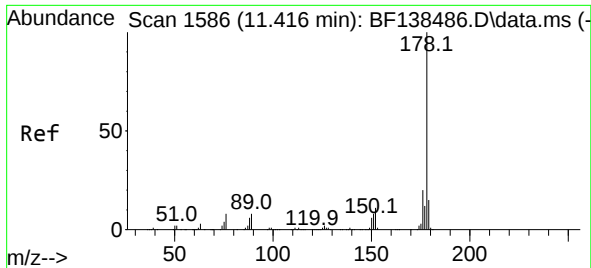
Ion Ratio Lower Upper

188 100

94 9.8 8.7 13.1

80 10.9 9.0 13.4

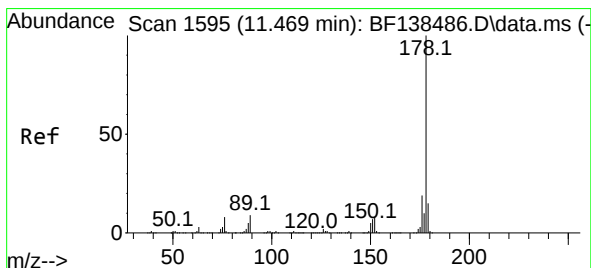
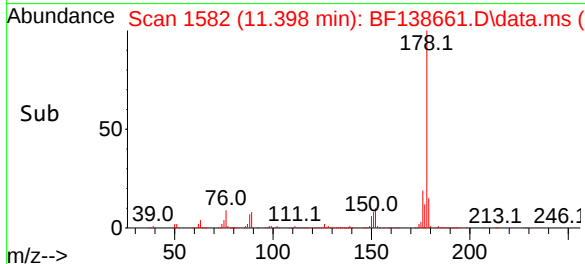
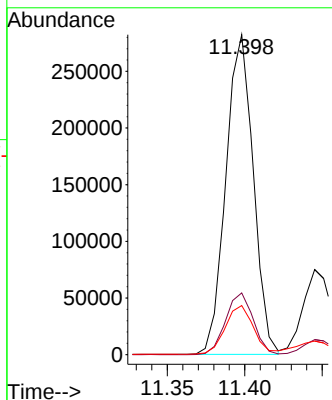
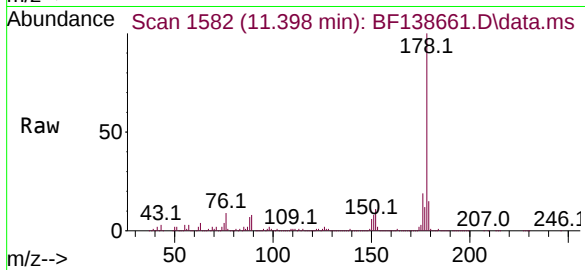




#71
Phenanthrene
Concen: 33.909 ng
RT: 11.398 min Scan# 1586
Delta R.T. -0.018 min
Lab File: BF138661.D
Acq: 25 Jul 2024 19:22

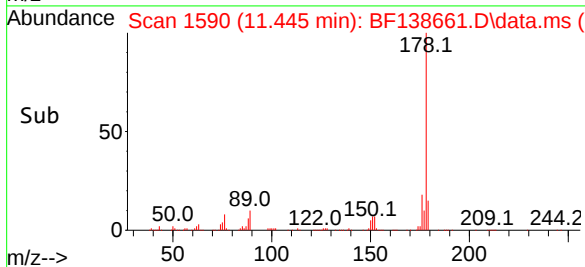
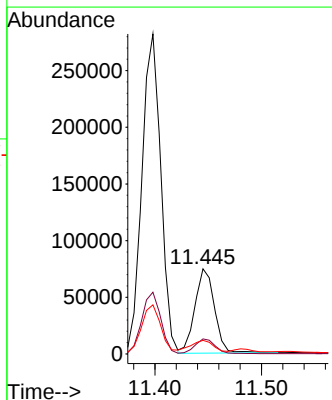
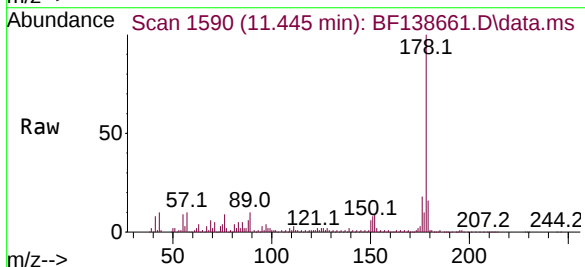
Instrument :
BNA_F
ClientSampleId :
SU-03-072324DL

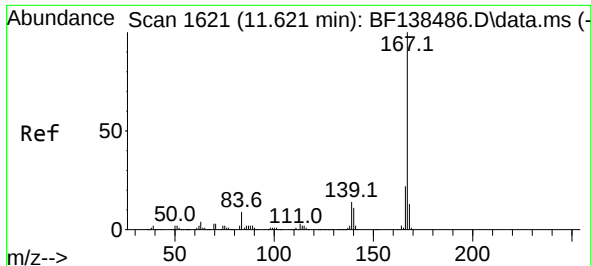
Tgt Ion:178 Resp: 346892
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.4 12.2 18.2



#72
Anthracene
Concen: 9.405 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.023 min
Lab File: BF138661.D
Acq: 25 Jul 2024 19:22

Tgt Ion:178 Resp: 95510
Ion Ratio Lower Upper
178 100
176 17.8 14.8 22.2
179 16.1 12.2 18.4

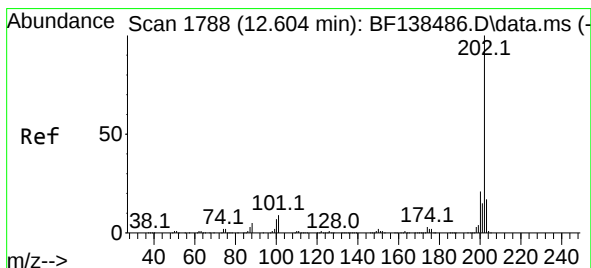
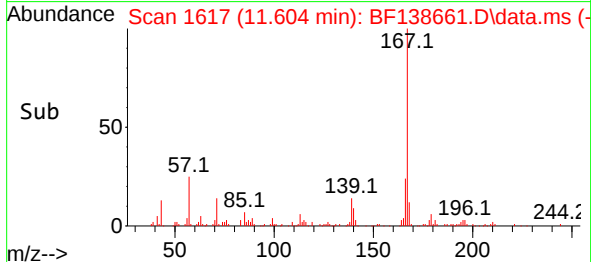
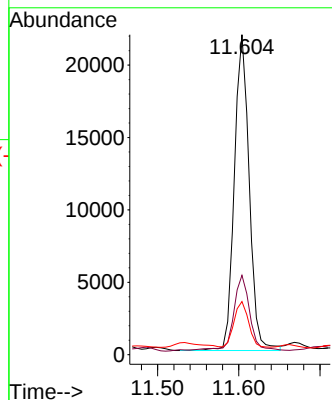
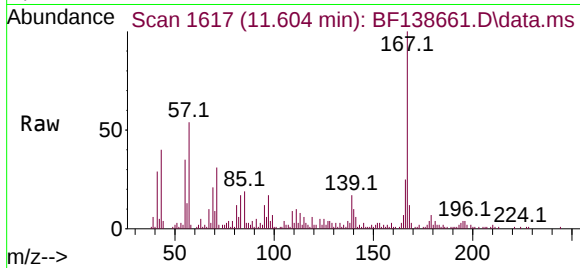




#73
Carbazole
Concen: 3.037 ng
RT: 11.604 min Scan# 1617
Delta R.T. -0.018 min
Lab File: BF138661.D
Acq: 25 Jul 2024 19:22

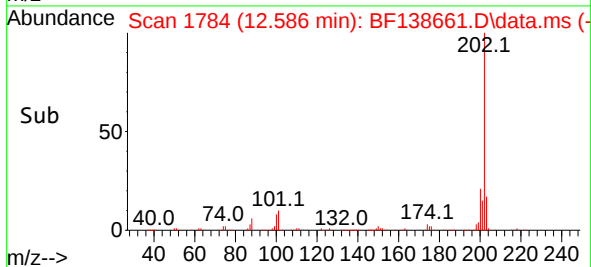
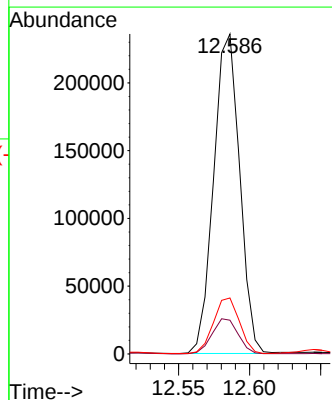
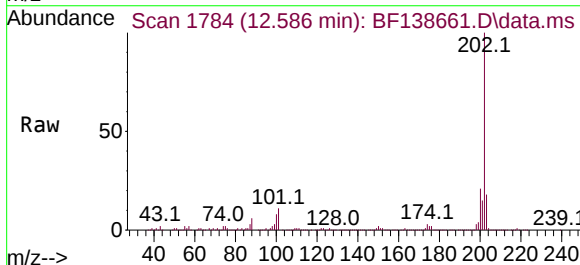
Instrument :
BNA_F
ClientSampleId :
SU-03-072324DL

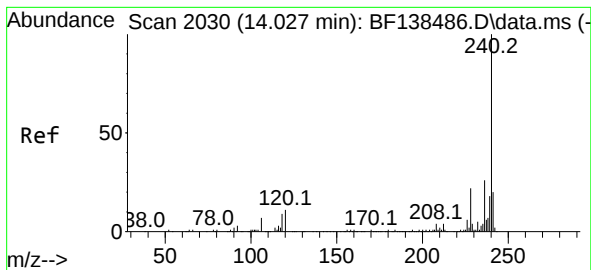
Tgt Ion:167 Resp: 27716
Ion Ratio Lower Upper
167 100
166 24.8 17.8 26.6
139 16.6 11.0 16.4#



#75
Fluoranthene
Concen: 28.766 ng
RT: 12.586 min Scan# 1784
Delta R.T. -0.018 min
Lab File: BF138661.D
Acq: 25 Jul 2024 19:22

Tgt Ion:202 Resp: 300284
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.2
203 17.5 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2030

Delta R.T. -0.018 min

Lab File: BF138661.D

Acq: 25 Jul 2024 19:22

Instrument :

BNA_F

ClientSampleId :

SU-03-072324DL

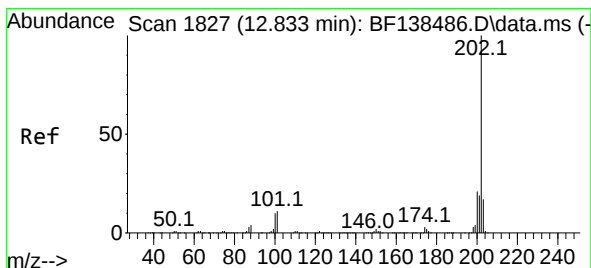
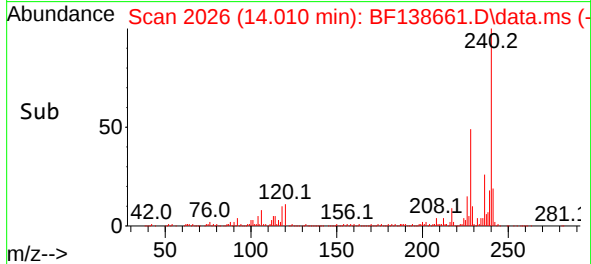
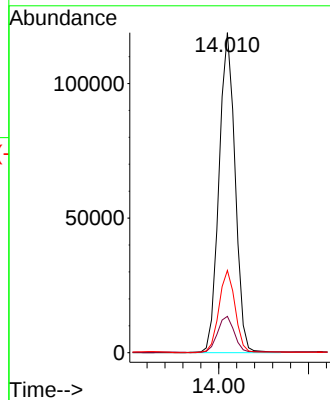
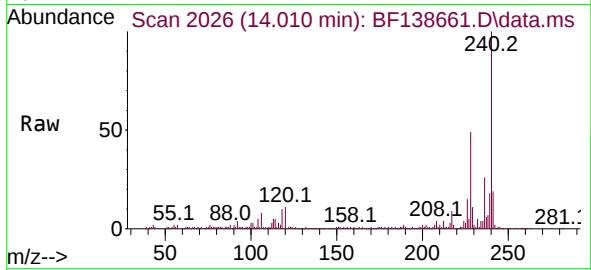
Tgt Ion:240 Resp: 148191

Ion Ratio Lower Upper

240 100

120 11.4 8.6 12.8

236 25.7 21.0 31.6



#78

Pyrene

Concen: 16.126 ng

RT: 12.816 min Scan# 1823

Delta R.T. -0.018 min

Lab File: BF138661.D

Acq: 25 Jul 2024 19:22

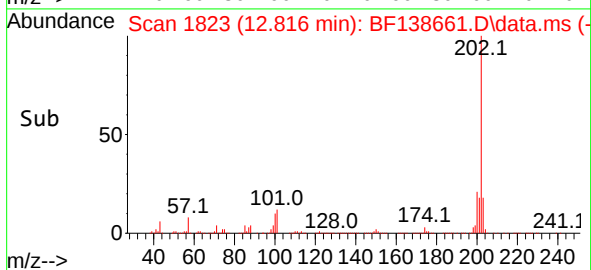
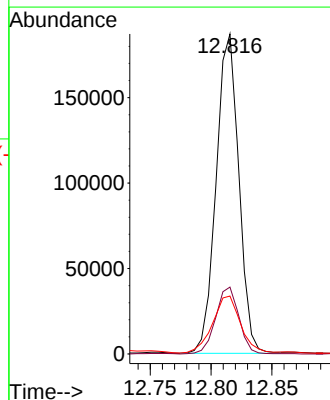
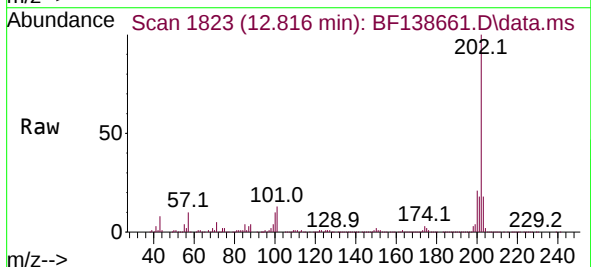
Tgt Ion:202 Resp: 242597

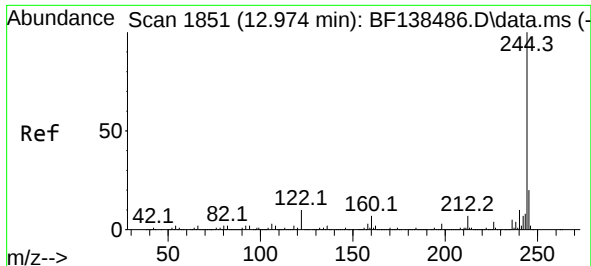
Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.6

203 18.1 13.7 20.5

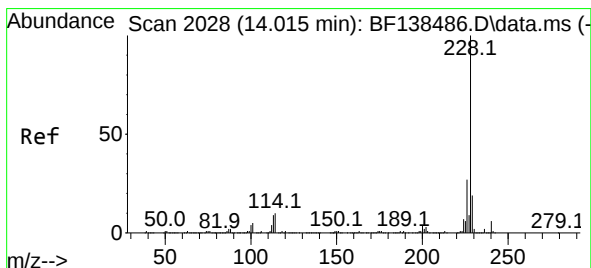
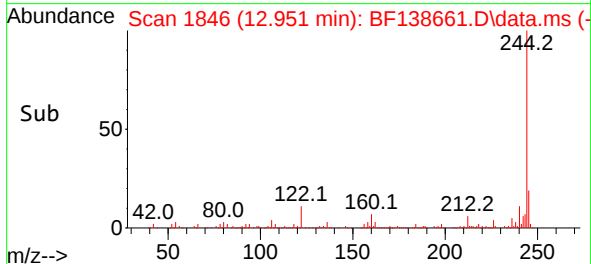
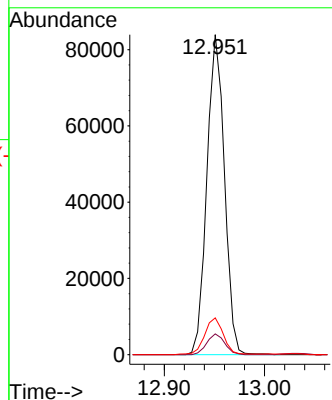
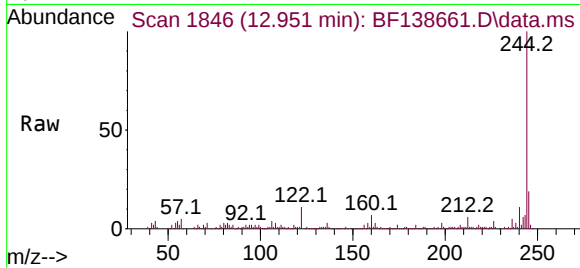




#79
 Terphenyl-d14
 Concen: 11.231 ng
 RT: 12.951 min Scan# 11
 Delta R.T. -0.023 min
 Lab File: BF138661.D
 Acq: 25 Jul 2024 19:22

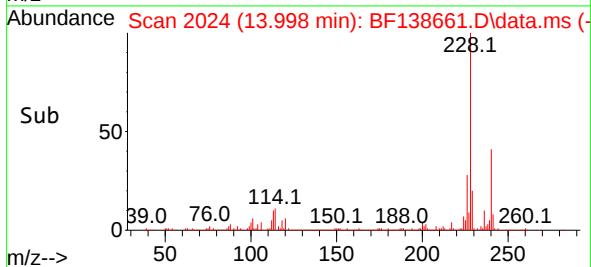
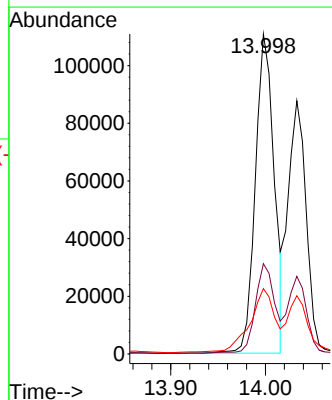
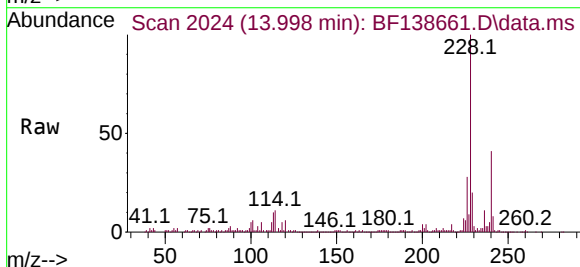
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-072324DL

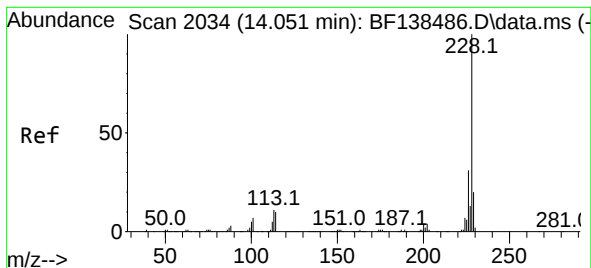
Tgt Ion:244 Resp: 102166
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.5 8.3
 122 11.5 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 15.445 ng
 RT: 13.998 min Scan# 2024
 Delta R.T. -0.018 min
 Lab File: BF138661.D
 Acq: 25 Jul 2024 19:22

Tgt Ion:228 Resp: 153582
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.9 32.9
 229 20.4 15.5 23.3





#83

Chrysene

Concen: 12.259 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.018 min

Lab File: BF138661.D

Acq: 25 Jul 2024 19:22

Instrument :

BNA_F

ClientSampleId :

SU-03-072324DL

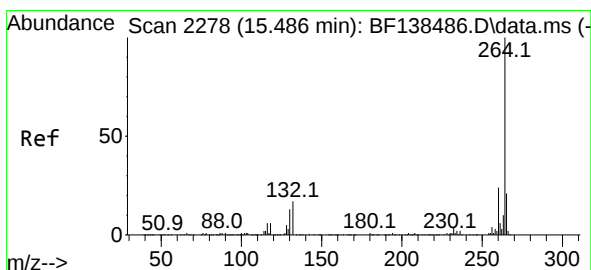
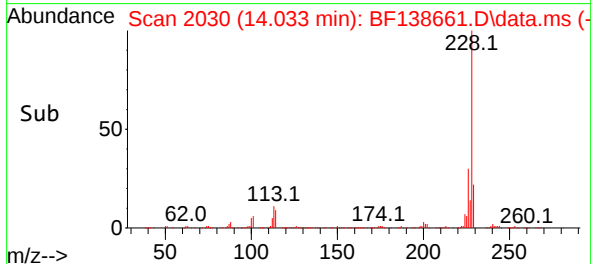
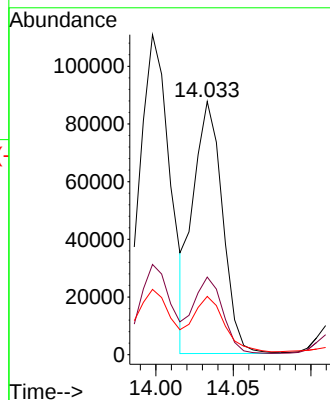
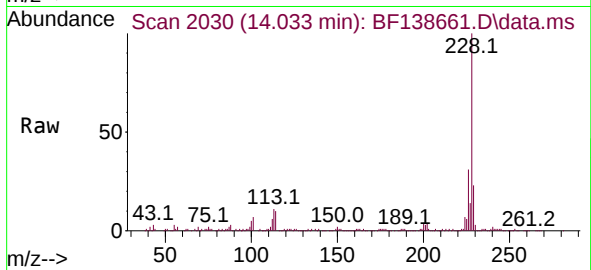
Tgt Ion:228 Resp: 115313

Ion Ratio Lower Upper

228 100

226 30.7 24.4 36.6

229 23.0 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 2275

Delta R.T. -0.012 min

Lab File: BF138661.D

Acq: 25 Jul 2024 19:22

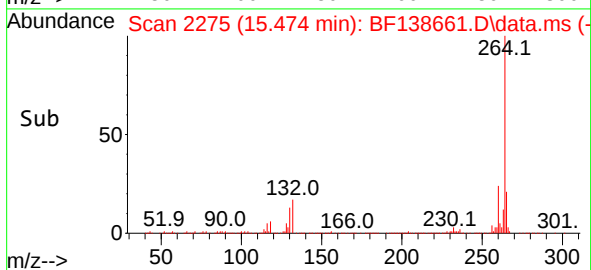
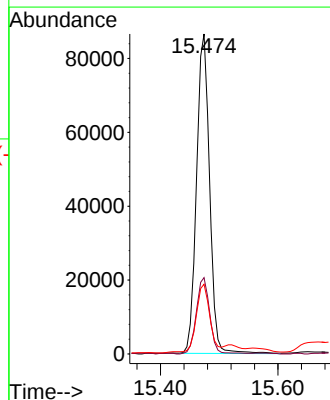
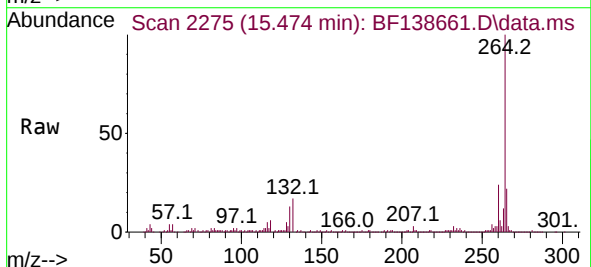
Tgt Ion:264 Resp: 133147

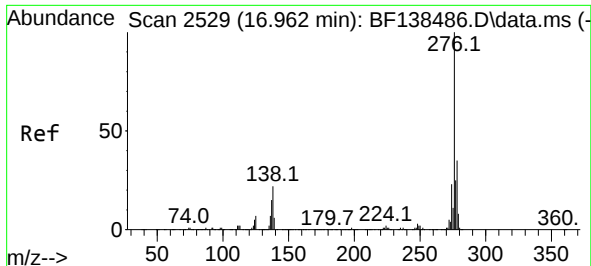
Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

265 21.8 17.0 25.4

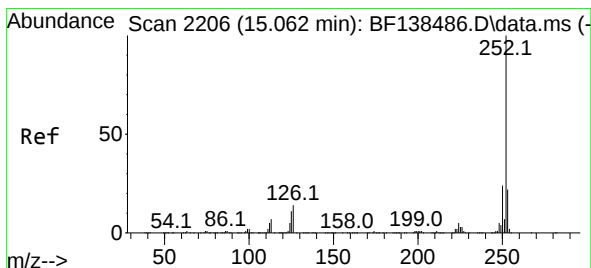
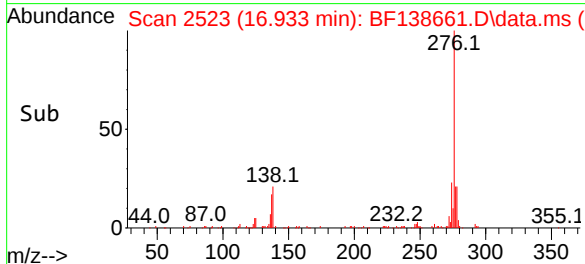
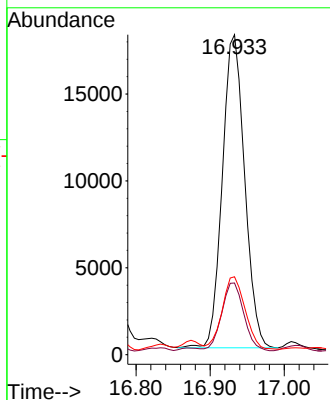
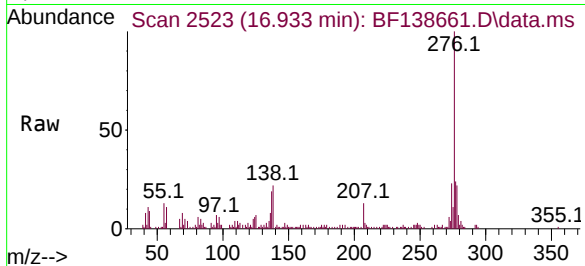




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.210 ng
RT: 16.933 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF138661.D
Acq: 25 Jul 2024 19:22

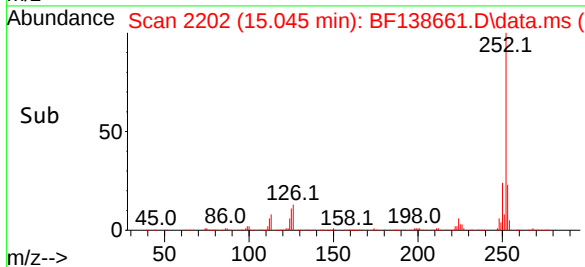
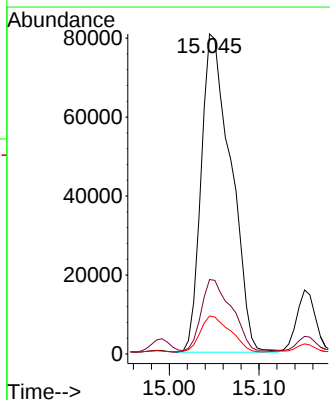
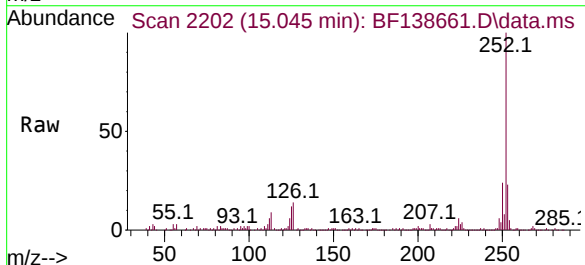
Instrument :
BNA_F
ClientSampleId :
SU-03-072324DL

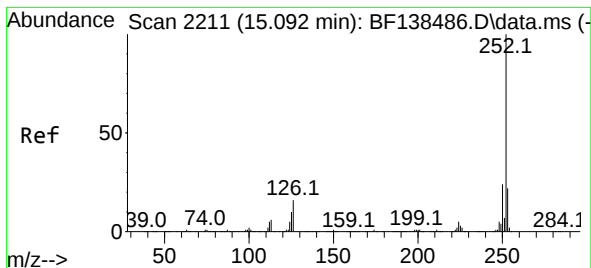
Tgt Ion:276 Resp: 37654
Ion Ratio Lower Upper
276 100
138 21.4 19.6 29.4
277 24.1 20.5 30.7



#88
Benzo(b)fluoranthene
Concen: 24.791 ng
RT: 15.045 min Scan# 2202
Delta R.T. -0.018 min
Lab File: BF138661.D
Acq: 25 Jul 2024 19:22

Tgt Ion:252 Resp: 185892
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 11.9 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 25.419 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF138661.D

Acq: 25 Jul 2024 19:22

Instrument :

BNA_F

ClientSampleId :

SU-03-072324DL

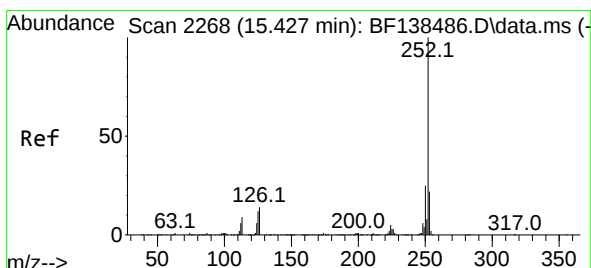
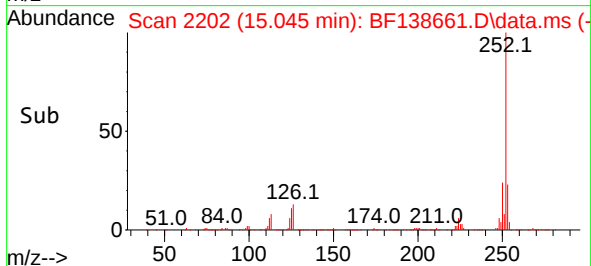
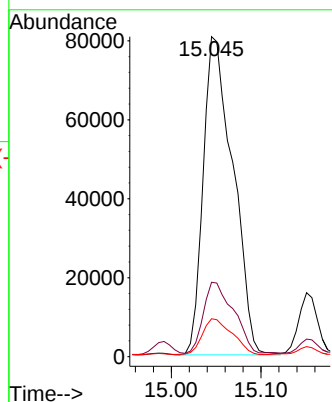
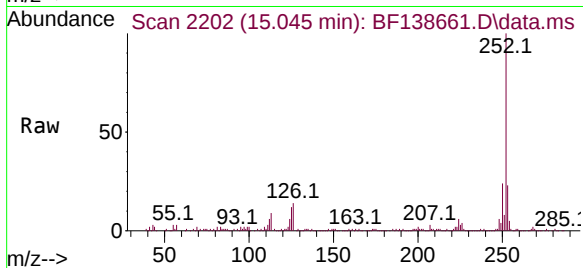
Tgt Ion:252 Resp: 185892

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 11.9 8.1 12.1



#90

Benzo(a)pyrene

Concen: 14.104 ng

RT: 15.410 min Scan# 2264

Delta R.T. -0.018 min

Lab File: BF138661.D

Acq: 25 Jul 2024 19:22

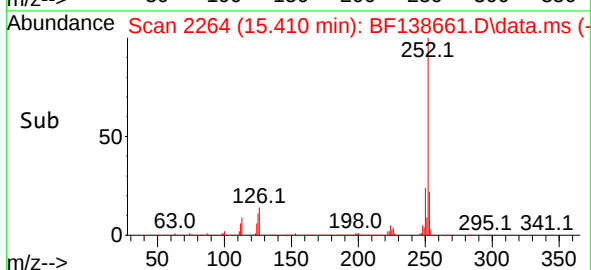
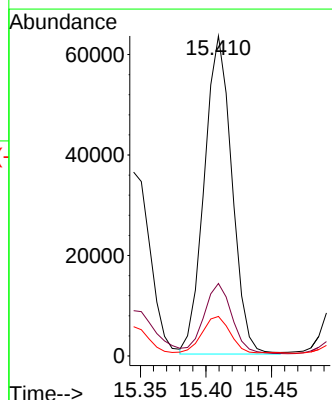
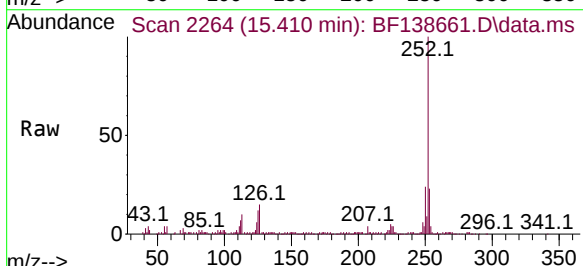
Tgt Ion:252 Resp: 92907

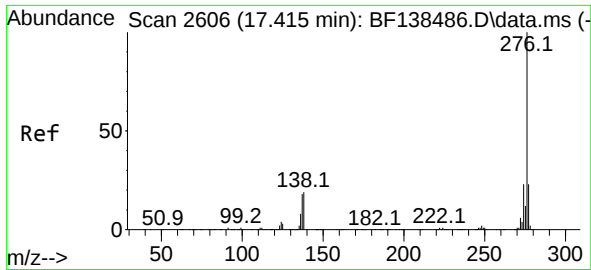
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 12.4 9.4 14.2





#92

Benzo(g,h,i)perylene

Concen: 4.500 ng

RT: 17.374 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF138661.D

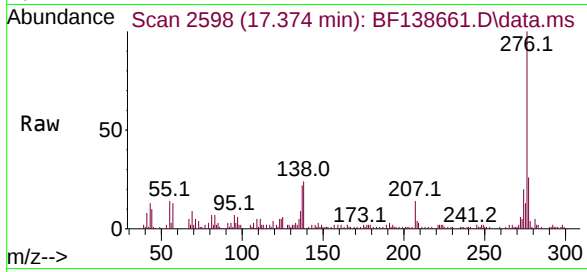
Acq: 25 Jul 2024 19:22

Instrument :

BNA_F

ClientSampleId :

SU-03-072324DL



Tgt Ion:276 Resp: 34906

Ion Ratio Lower Upper

276 100

277 25.7 18.0 27.0

138 24.1 15.5 23.3#

