

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072524\
 Data File : BF138658.D
 Acq On : 25 Jul 2024 17:50
 Operator : RC/JU
 Sample : P3357-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-857-J-SO-1-1.5-072024

Quant Time: Jul 25 18:25:58 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

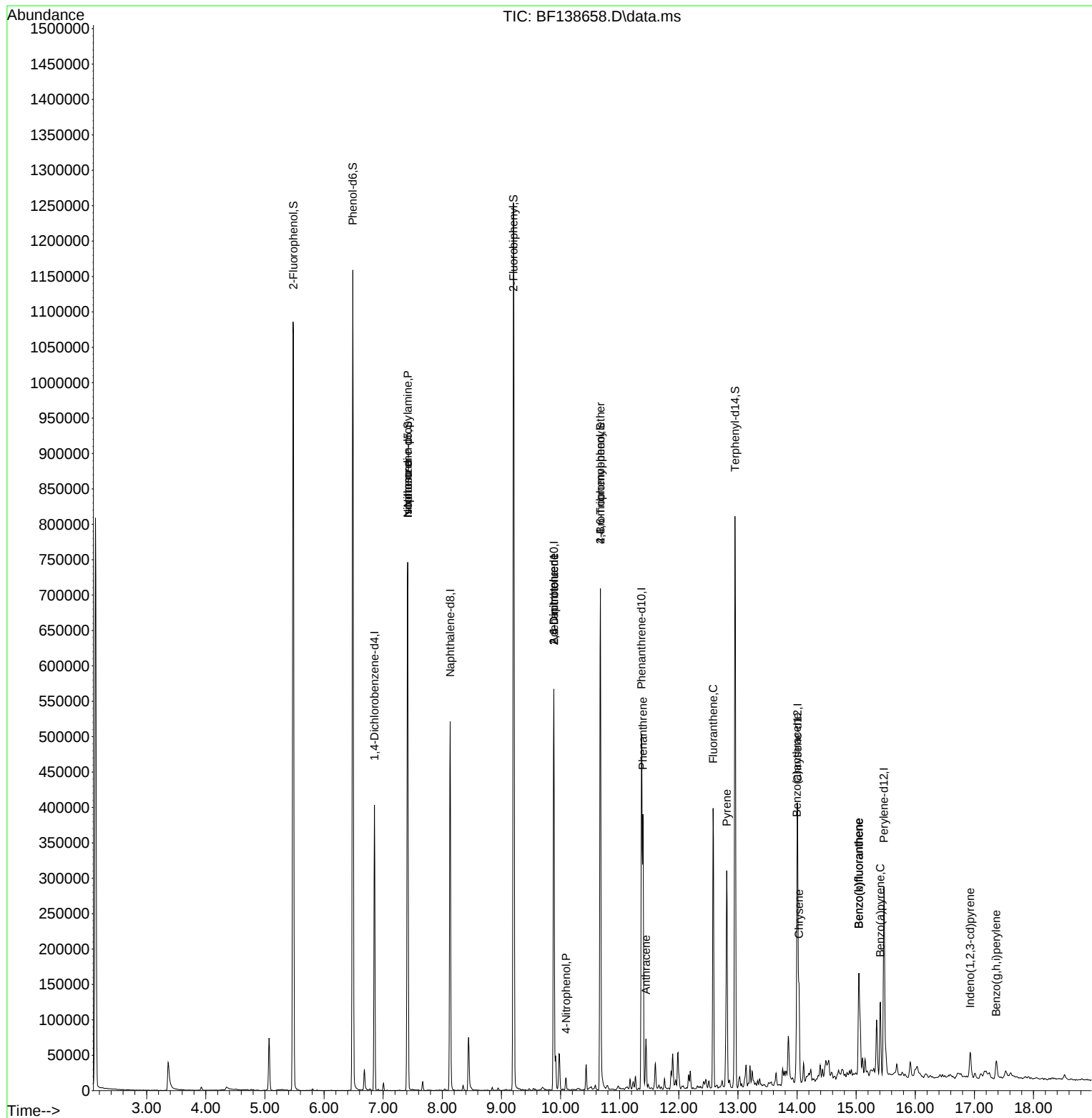
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	74441	20.000	ng	-0.02
21) Naphthalene-d8	8.134	136	306628	20.000	ng	-0.02
39) Acenaphthene-d10	9.886	164	164183	20.000	ng	-0.02
64) Phenanthrene-d10	11.369	188	254481	20.000	ng	-0.02
76) Chrysene-d12	14.010	240	129642	20.000	ng	-0.02
86) Perylene-d12	15.468	264	148453	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	374277	79.629	ng	-0.01
7) Phenol-d6	6.487	99	505116	80.783	ng	-0.02
23) Nitrobenzene-d5	7.416	82	325158	52.065	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	110100	71.752	ng	-0.02
45) 2-Fluorobiphenyl	9.204	172	537416	51.158	ng	-0.02
79) Terphenyl-d14	12.951	244	369358	46.415	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.416	70	42441	10.985	ng	# 72
25) Isophorone	7.416	82	325156	30.317	ng	# 67
51) 2,6-Dinitrotoluene	9.886	165	20822	8.518	ng	# 24
56) 4-Nitrophenol	10.092	139	3794	2.052	ng	# 1
57) 2,4-Dinitrotoluene	9.886	165	20822	6.584	ng	# 19
67) 4-Bromophenyl-phenylether	10.675	248	6926	2.648	ng	# 1
71) Phenanthrene	11.392	178	195710	15.223	ng	100
72) Anthracene	11.445	178	39843	3.122	ng	99
75) Fluoranthene	12.580	202	216081	16.471	ng	98
78) Pyrene	12.810	202	170112	12.926	ng	98
81) Benzo(a)anthracene	13.998	228	78000	8.967	ng	98
83) Chrysene	14.033	228	65186	7.921	ng	98
87) Indeno(1,2,3-cd)pyrene	16.927	276	26443	2.652	ng	97
88) Benzo(b)fluoranthene	15.045	252	121941	14.586	ng	96
89) Benzo(k)fluoranthene	15.045	252	121941	14.955	ng	# 97
90) Benzo(a)pyrene	15.410	252	59633	8.120	ng	99
92) Benzo(g,h,i)perylene	17.368	276	24431	2.825	ng	# 94

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

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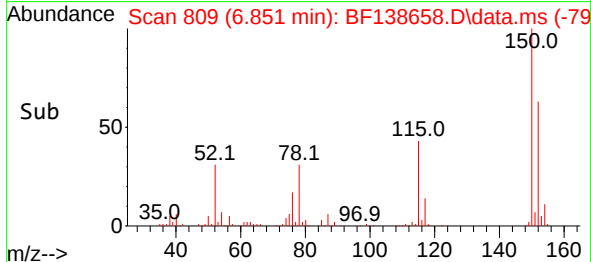
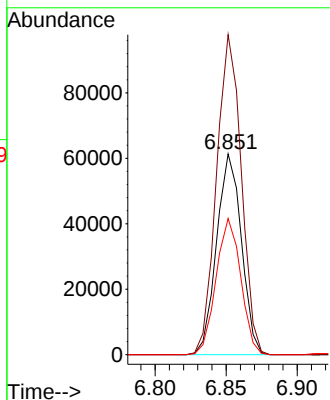
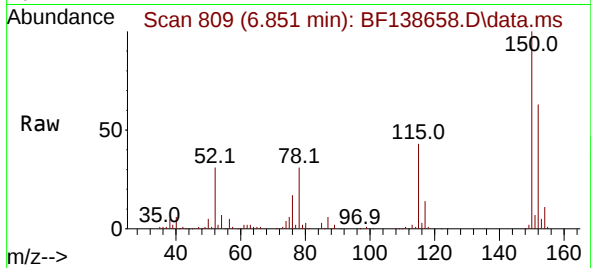




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 80
Delta R.T. -0.018 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

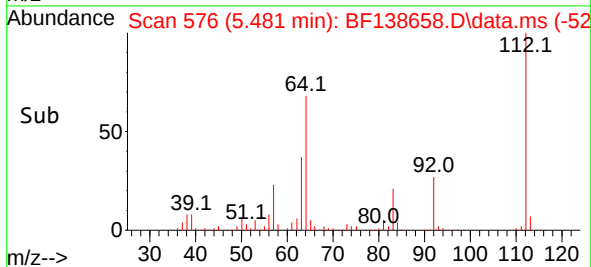
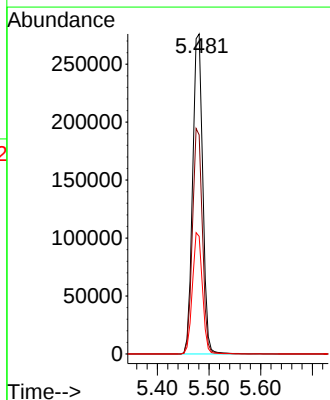
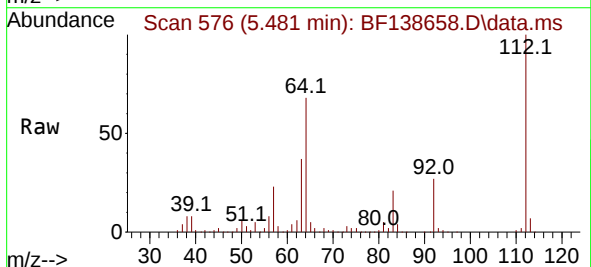
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-1-1.5-072024

Tgt Ion:152 Resp: 74441
Ion Ratio Lower Upper
152 100
150 159.4 126.2 189.4
115 67.9 50.3 75.5



#5
2-Fluorophenol
Concen: 79.629 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

Tgt Ion:112 Resp: 374277
Ion Ratio Lower Upper
112 100
64 68.5 55.1 82.7
63 36.7 29.0 43.6

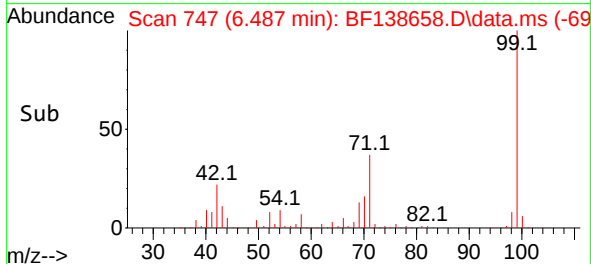
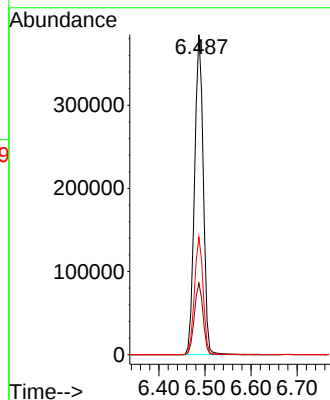
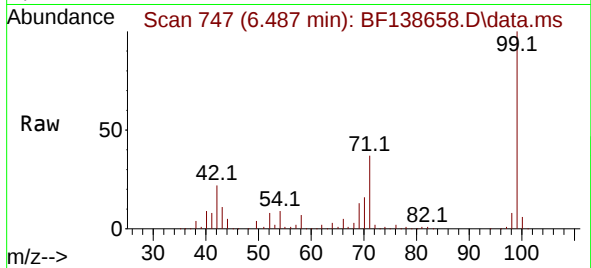




#7
Phenol-d6
Concen: 80.783 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.017 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

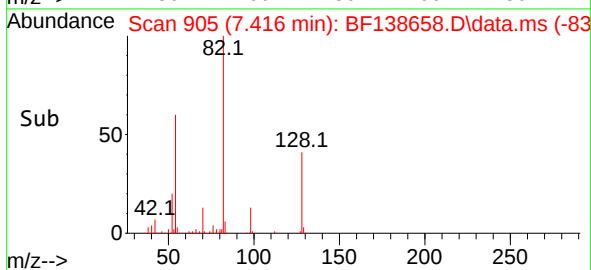
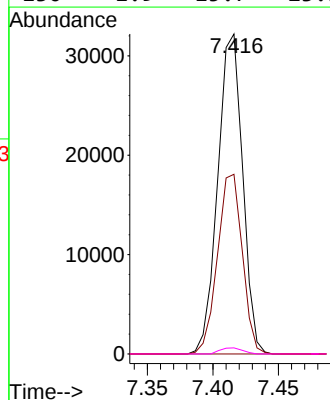
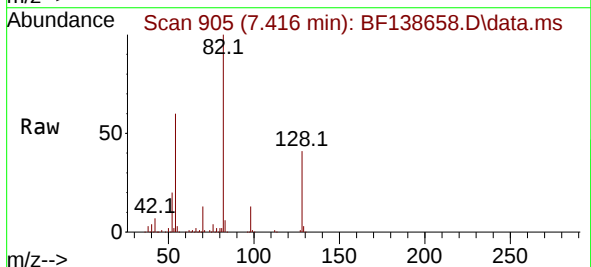
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-1-1.5-072024

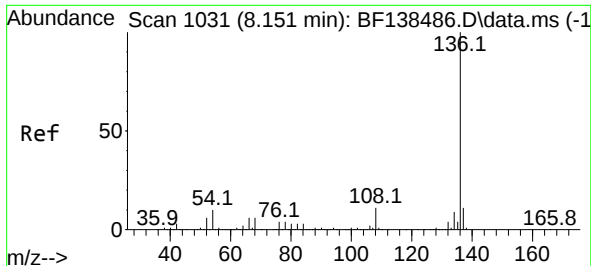
Tgt Ion: 99 Resp: 505116
Ion Ratio Lower Upper
99 100
42 22.3 19.7 29.5
71 36.7 29.9 44.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.985 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.135 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

Tgt Ion: 70 Resp: 42441
Ion Ratio Lower Upper
70 100
42 56.2 62.4 93.6#
101 0.0 7.2 10.8#
130 1.9 15.7 23.5#

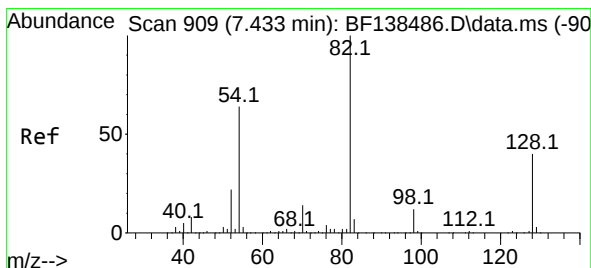
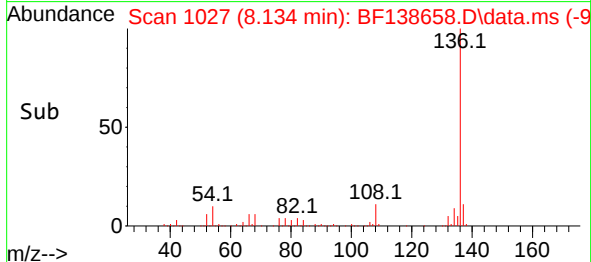
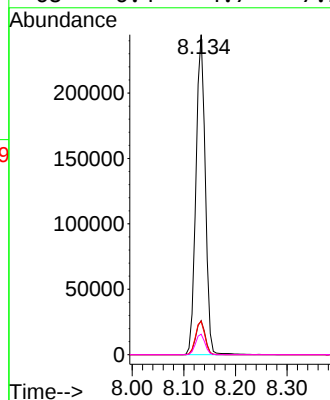
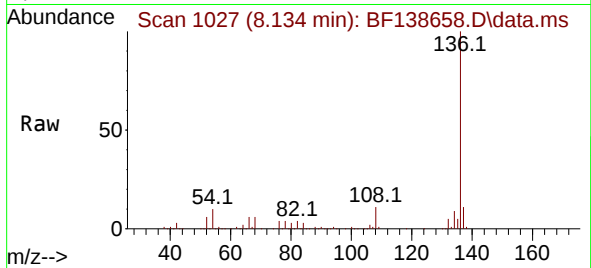




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1031
Delta R.T. -0.017 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

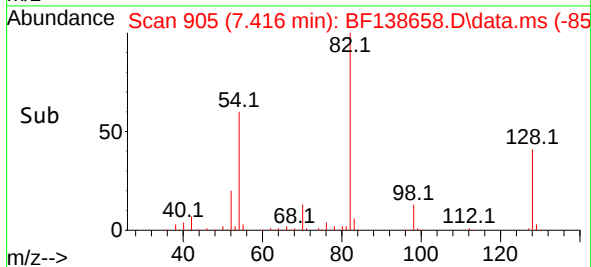
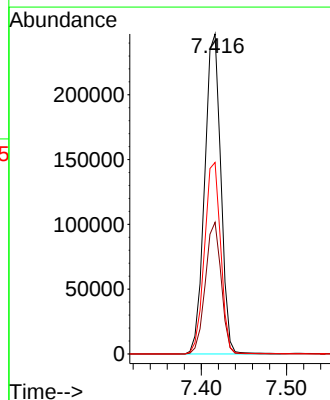
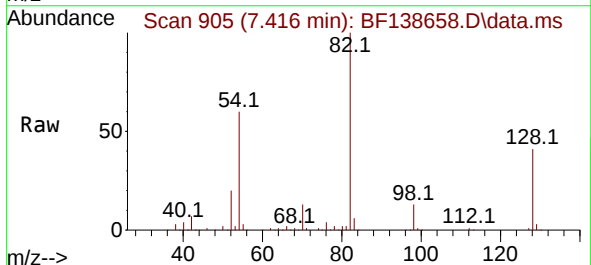
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-1-1.5-072024

Tgt	Ion:136	Resp:	306628
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	10.4	8.1	12.1
68	6.4	4.7	7.1



#23
Nitrobenzene-d5
Concen: 52.065 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.017 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

Tgt Ion: 82	Resp: 325158
Ion Ratio	Lower Upper
82 100	
128 41.1	32.3 48.5
54 59.8	51.4 77.0

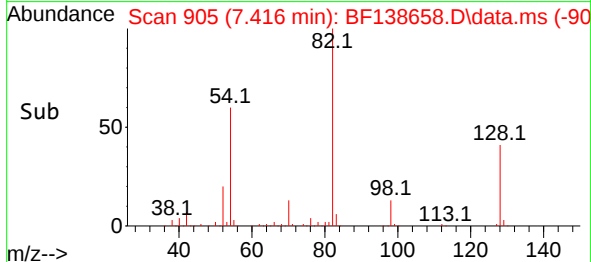
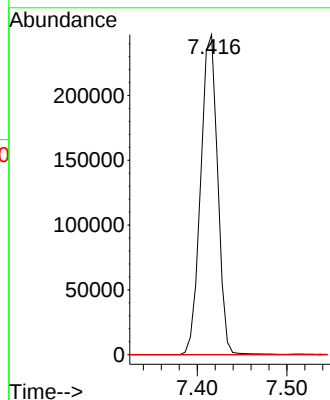
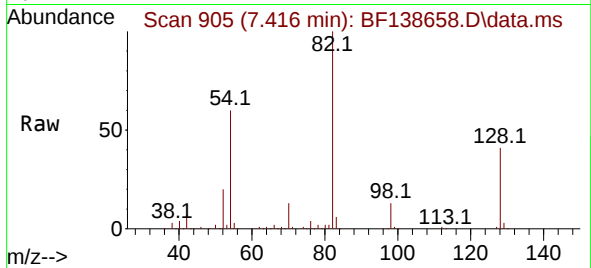




#25
Isophorone
Concen: 30.317 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

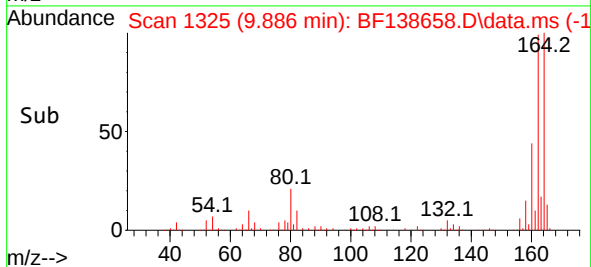
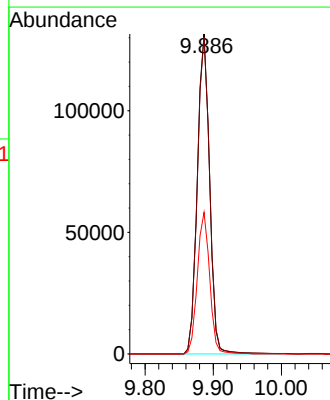
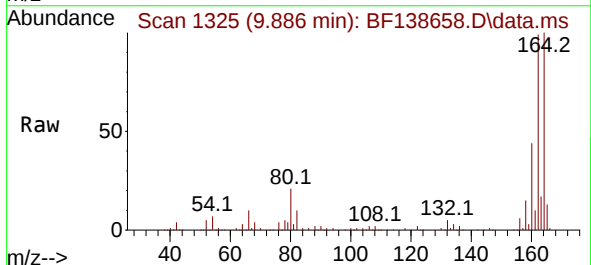
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-1-1.5-072024

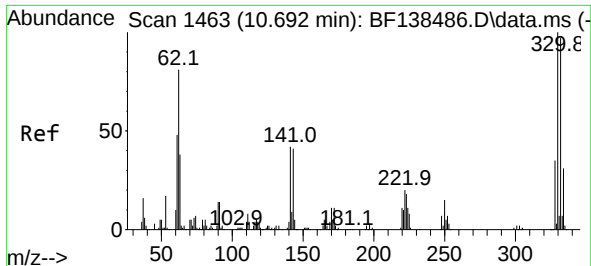
Tgt Ion: 82 Resp: 325156
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.017 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

Tgt Ion:164 Resp: 164183
Ion Ratio Lower Upper
164 100
162 99.1 79.0 118.6
160 44.2 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 71.752 ng

RT: 10.675 min Scan# 1463

Delta R.T. -0.017 min

Lab File: BF138658.D

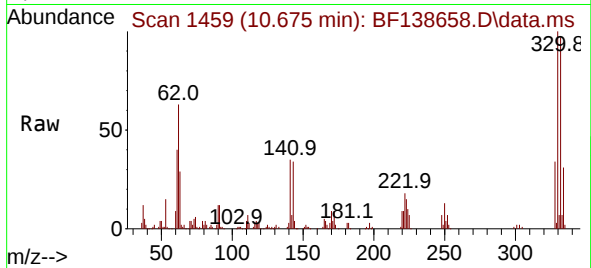
Acq: 25 Jul 2024 17:50

Instrument :

BNA_F

ClientSampleId :

S-857-J-SO-1-1.5-072024



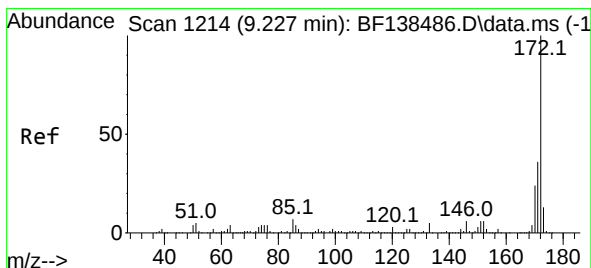
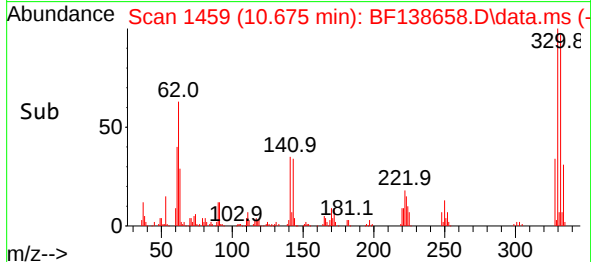
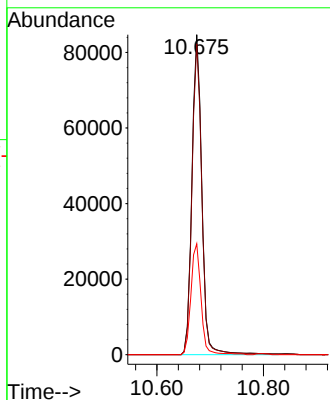
Tgt Ion:330 Resp: 110100

Ion Ratio Lower Upper

330 100

332 96.7 76.8 115.2

141 35.3 29.4 44.2



#45

2-Fluorobiphenyl

Concen: 51.158 ng

RT: 9.204 min Scan# 1209

Delta R.T. -0.023 min

Lab File: BF138658.D

Acq: 25 Jul 2024 17:50

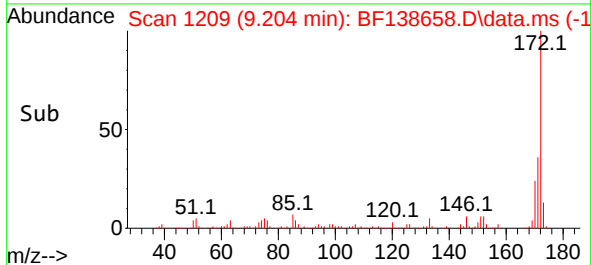
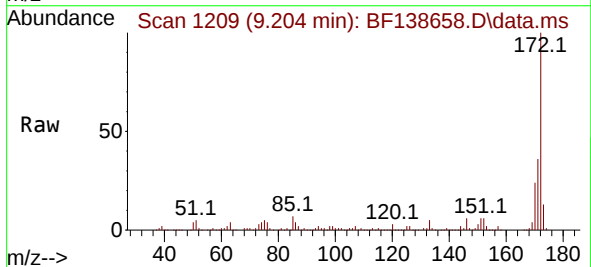
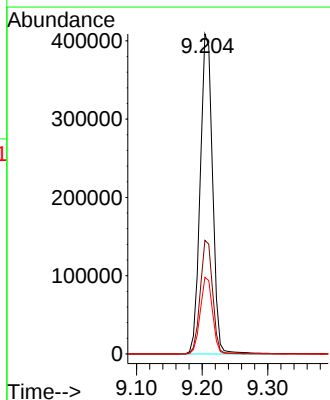
Tgt Ion:172 Resp: 537416

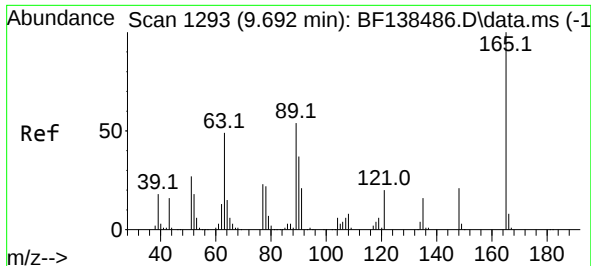
Ion Ratio Lower Upper

172 100

171 35.5 28.9 43.3

170 23.9 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.518 ng

RT: 9.886 min Scan# 11

Delta R.T. 0.194 min

Lab File: BF138658.D

Acq: 25 Jul 2024 17:50

Instrument :

BNA_F

ClientSampleId :

S-857-J-SO-1-1.5-072024

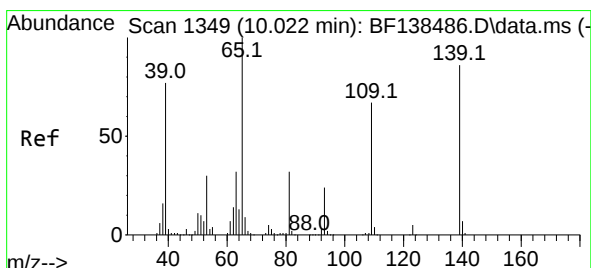
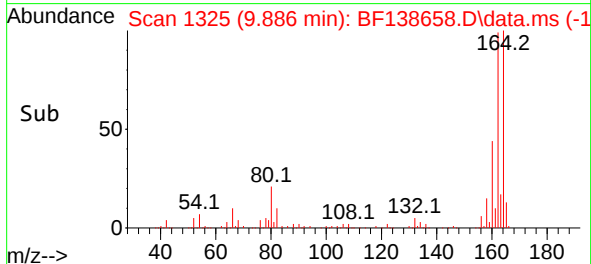
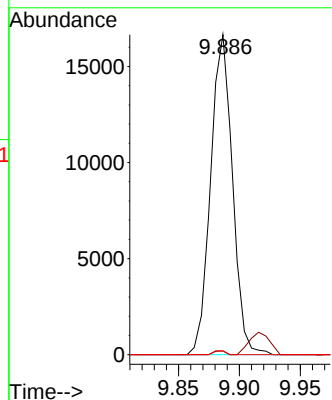
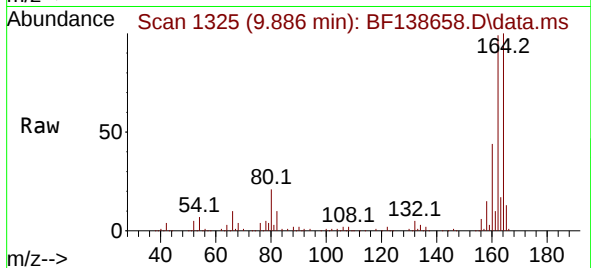
Tgt Ion:165 Resp: 20822

Ion Ratio Lower Upper

165 100

63 1.2 48.1 72.1#

89 1.2 43.0 64.6#



#56

4-Nitrophenol

Concen: 2.052 ng

RT: 10.092 min Scan# 1360

Delta R.T. 0.071 min

Lab File: BF138658.D

Acq: 25 Jul 2024 17:50

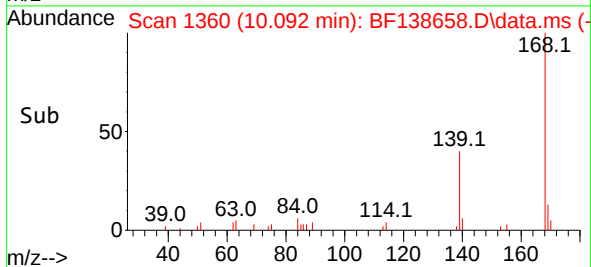
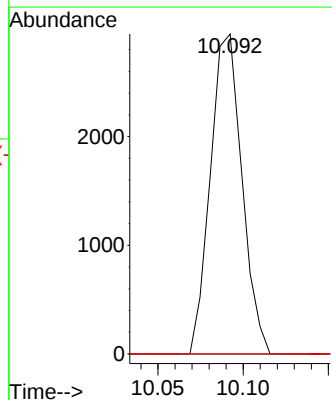
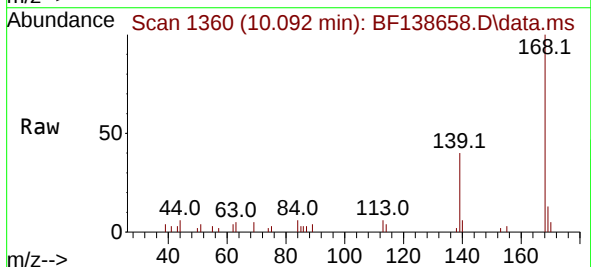
Tgt Ion:139 Resp: 3794

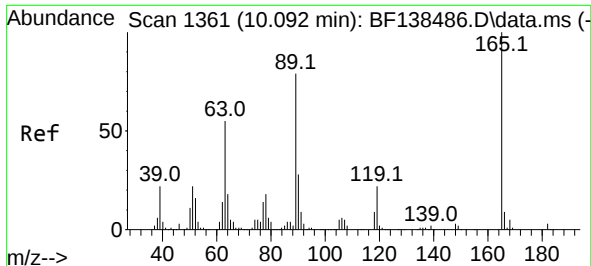
Ion Ratio Lower Upper

139 100

109 0.0 58.1 98.1#

65 0.0 96.9 136.9#

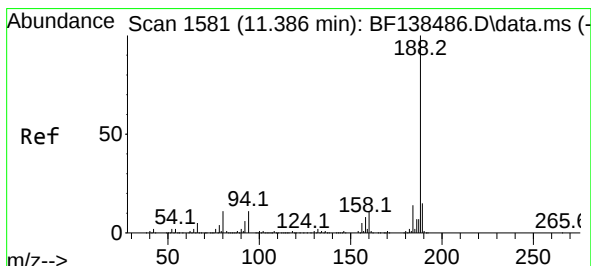
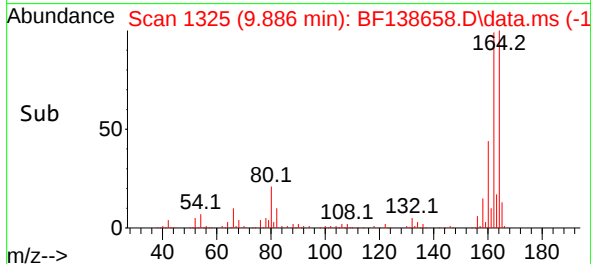
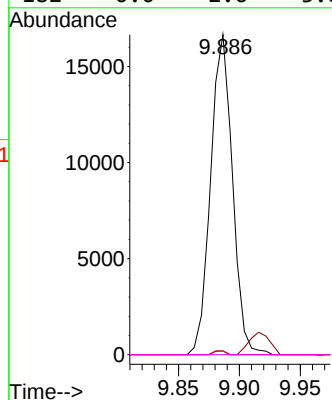
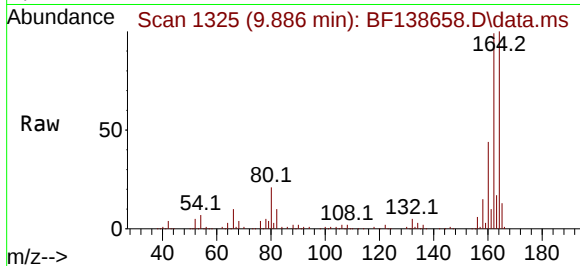




#57
2,4-Dinitrotoluene
Concen: 6.584 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

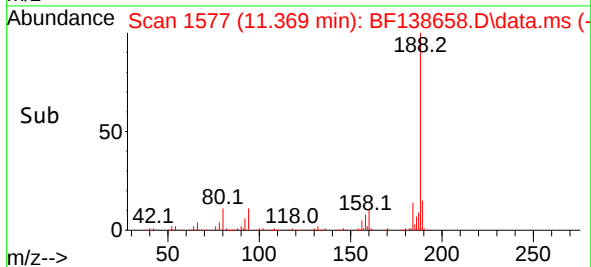
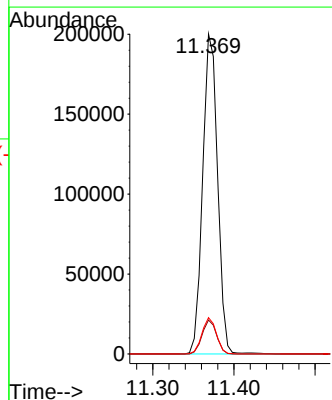
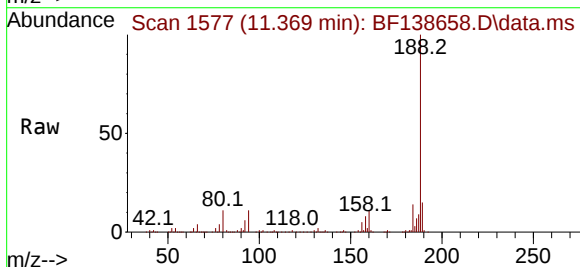
Instrument :
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S-857-J-SO-1-1.5-072024

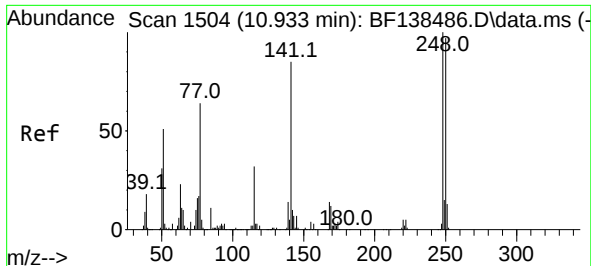
Tgt Ion:165	Resp:	20822
Ion Ratio	Lower	Upper
165	100	
63	1.2	44.6 66.8#
89	1.2	63.4 95.2#
182	0.0	2.6 3.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.017 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

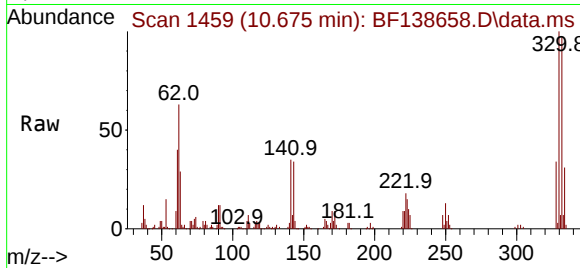
Tgt Ion:188	Resp:	254481
Ion Ratio	Lower	Upper
188	100	
94	10.6	8.7 13.1
80	11.4	9.0 13.4



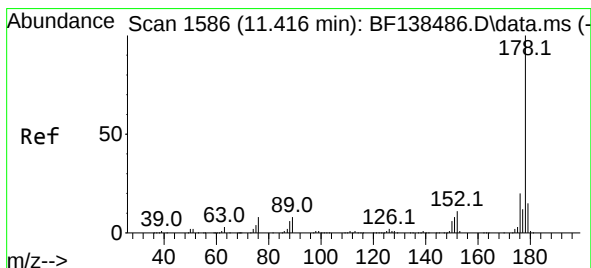
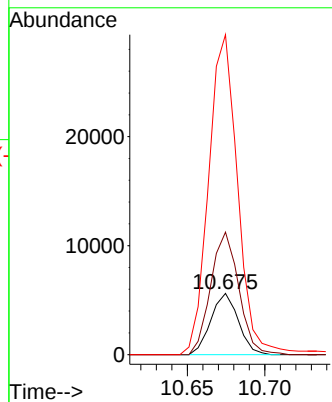
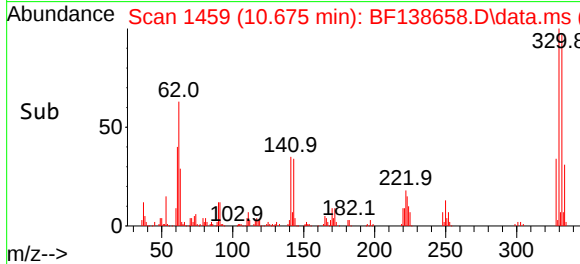


#67
4-Bromophenyl-phenylether
Concen: 2.648 ng
RT: 10.675 min Scan# 1459
Delta R.T. -0.259 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

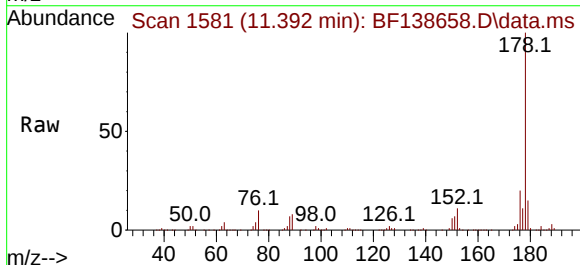
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-1-1.5-072024



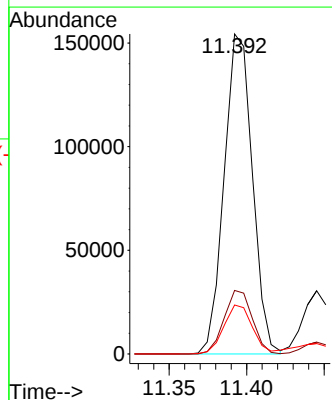
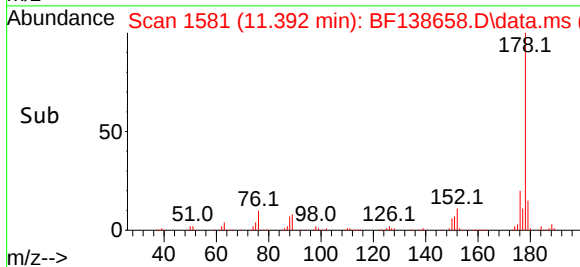
Tgt Ion:248 Resp: 6926
Ion Ratio Lower Upper
248 100
250 200.1 77.9 116.9#
141 522.7 67.7 101.5#

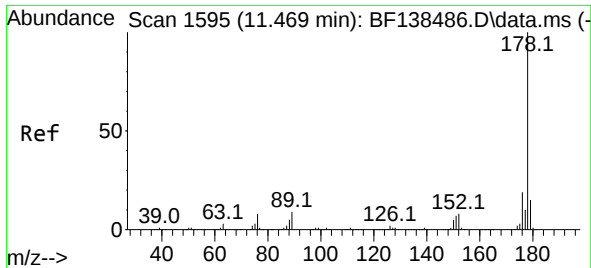


#71
Phenanthrene
Concen: 15.223 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.023 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50



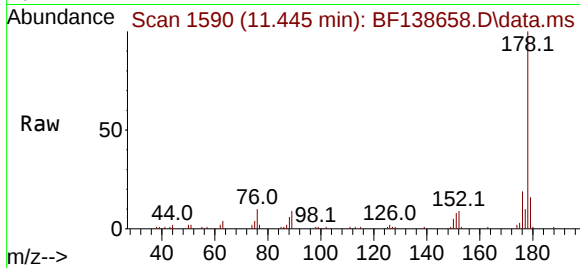
Tgt Ion:178 Resp: 195710
Ion Ratio Lower Upper
178 100
176 19.9 15.7 23.5
179 15.3 12.2 18.2



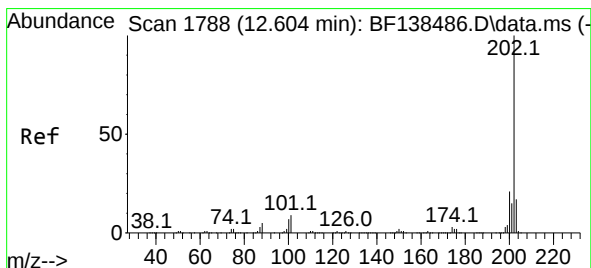
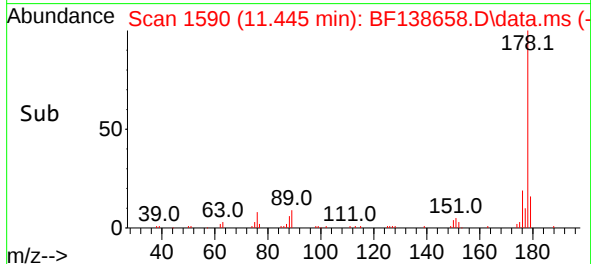
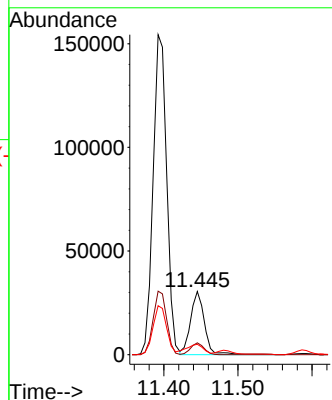


#72
 Anthracene
 Concen: 3.122 ng
 RT: 11.445 min Scan# 11
 Delta R.T. -0.023 min
 Lab File: BF138658.D
 Acq: 25 Jul 2024 17:50

Instrument :
 BNA_F
 ClientSampleId :
 S-857-J-SO-1-1.5-072024

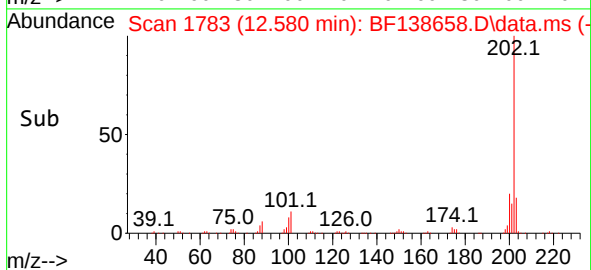
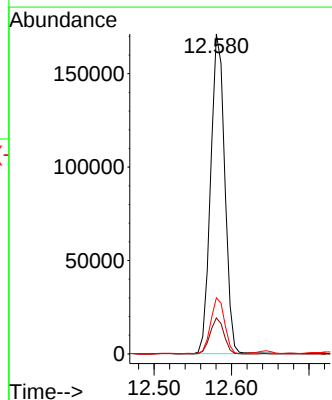
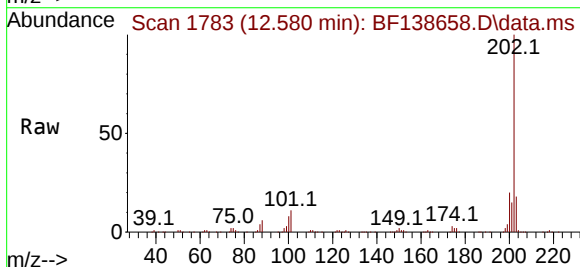


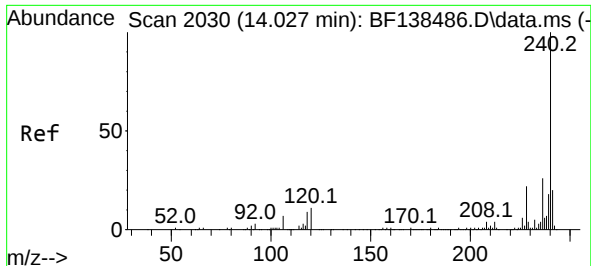
Tgt Ion:178 Resp: 39843
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.8 22.2
 179 16.4 12.2 18.4



#75
 Fluoranthene
 Concen: 16.471 ng
 RT: 12.580 min Scan# 1783
 Delta R.T. -0.023 min
 Lab File: BF138658.D
 Acq: 25 Jul 2024 17:50

Tgt Ion:202 Resp: 216081
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 29.2
 203 17.5 0.0 37.3

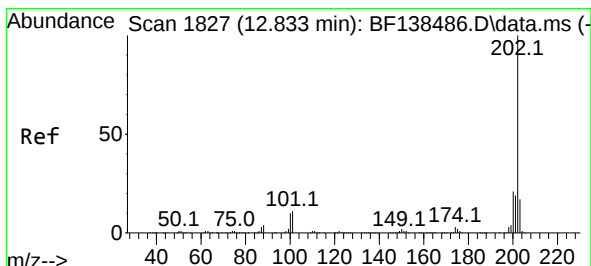
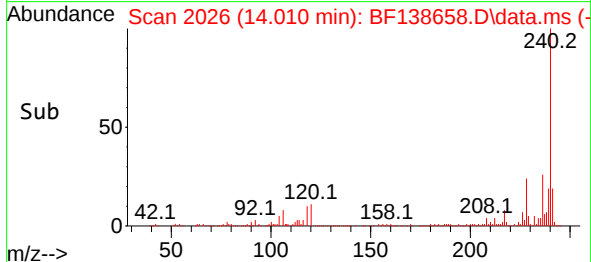
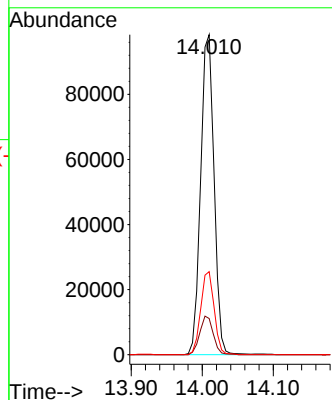
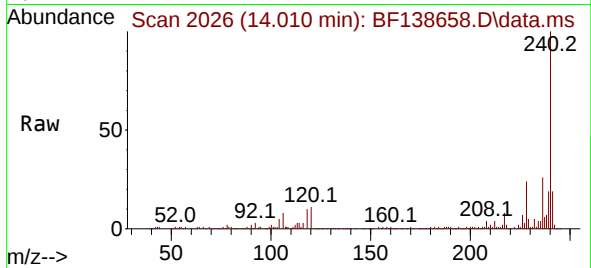




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2030
Delta R.T. -0.017 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

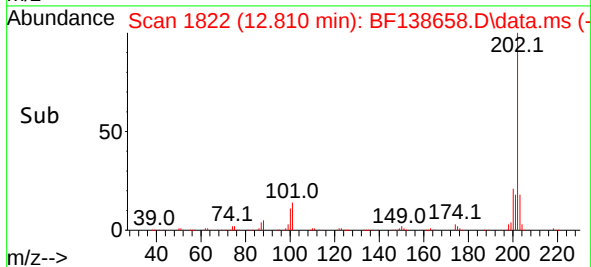
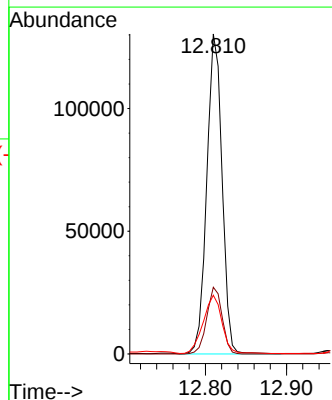
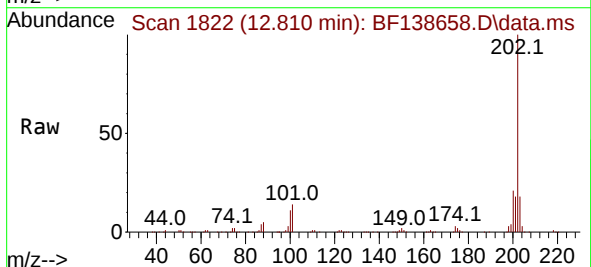
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-1-1.5-072024

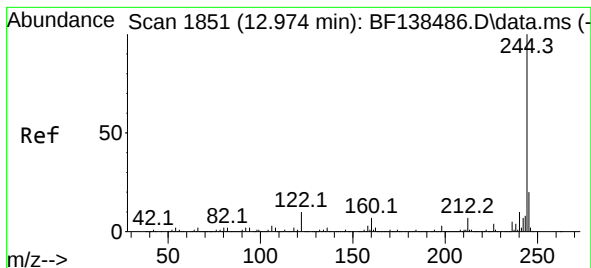
Tgt Ion:240 Resp: 129642
Ion Ratio Lower Upper
240 100
120 11.3 8.6 12.8
236 25.9 21.0 31.6



#78
Pyrene
Concen: 12.926 ng
RT: 12.810 min Scan# 1822
Delta R.T. -0.023 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

Tgt Ion:202 Resp: 170112
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.6
203 18.3 13.7 20.5





#79

Terphenyl-d14

Concen: 46.415 ng

RT: 12.951 min Scan# 1

Delta R.T. -0.023 min

Lab File: BF138658.D

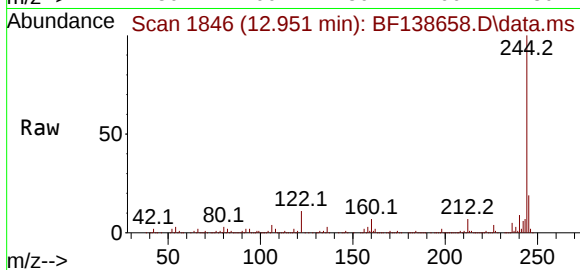
Acq: 25 Jul 2024 17:50

Instrument :

BNA_F

ClientSampleId :

S-857-J-SO-1-1.5-072024



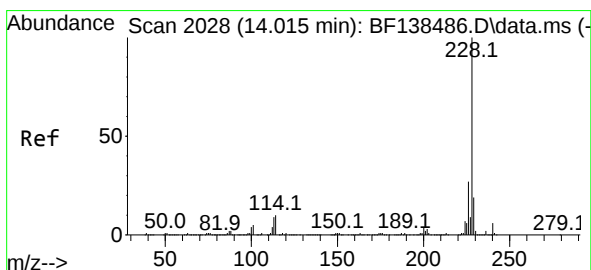
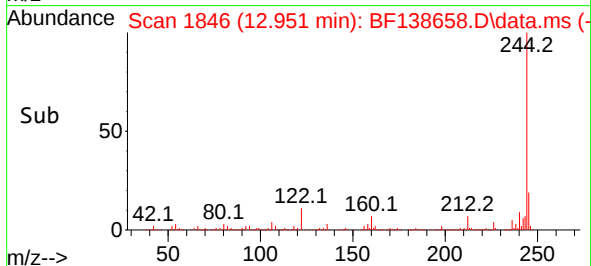
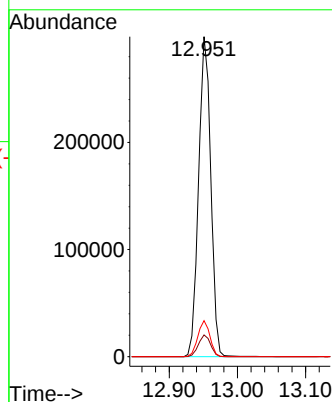
Tgt Ion:244 Resp: 369358

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 11.3 7.8 11.8



#81

Benzo(a)anthracene

Concen: 8.967 ng

RT: 13.998 min Scan# 2024

Delta R.T. -0.017 min

Lab File: BF138658.D

Acq: 25 Jul 2024 17:50

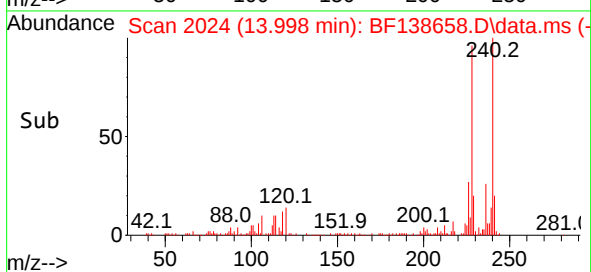
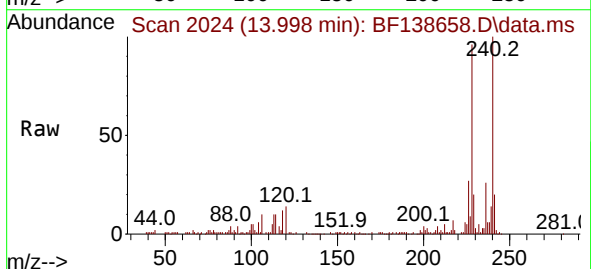
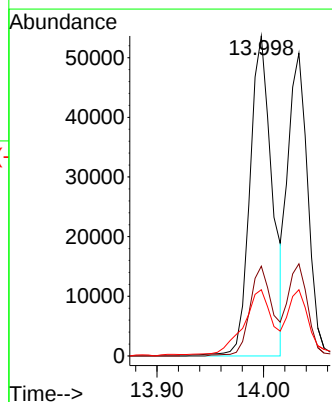
Tgt Ion:228 Resp: 78000

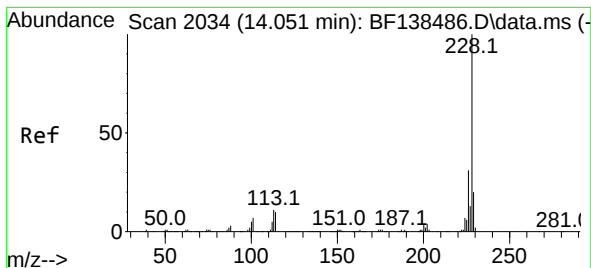
Ion Ratio Lower Upper

228 100

226 28.1 21.9 32.9

229 20.7 15.5 23.3





#83

Chrysene

Concen: 7.921 ng

RT: 14.033 min Scan# 2034

Delta R.T. -0.017 min

Lab File: BF138658.D

Acq: 25 Jul 2024 17:50

Instrument :

BNA_F

ClientSampleId :

S-857-J-SO-1-1.5-072024

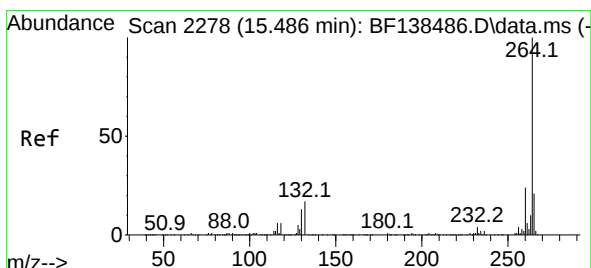
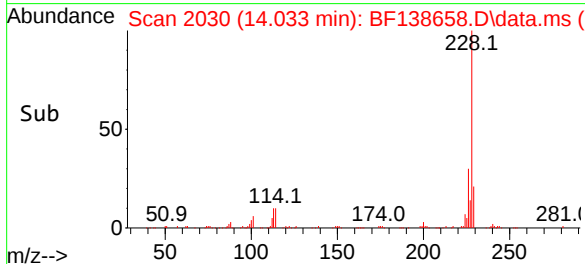
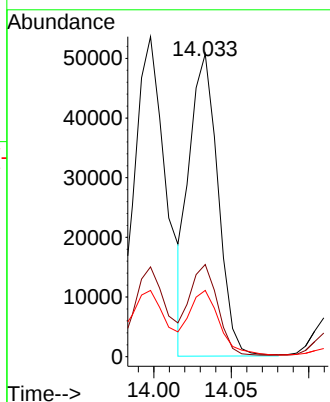
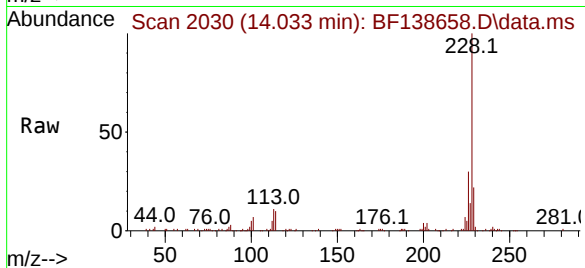
Tgt Ion:228 Resp: 65186

Ion Ratio Lower Upper

228 100

226 30.4 24.4 36.6

229 21.9 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2274

Delta R.T. -0.017 min

Lab File: BF138658.D

Acq: 25 Jul 2024 17:50

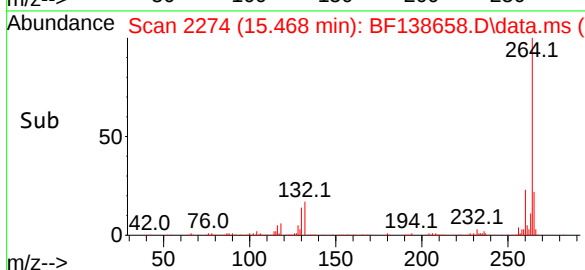
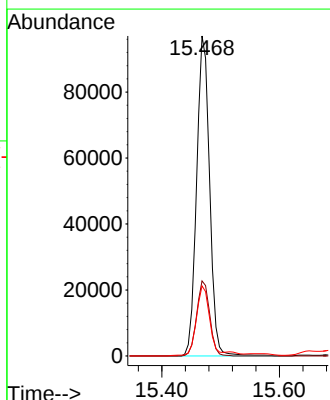
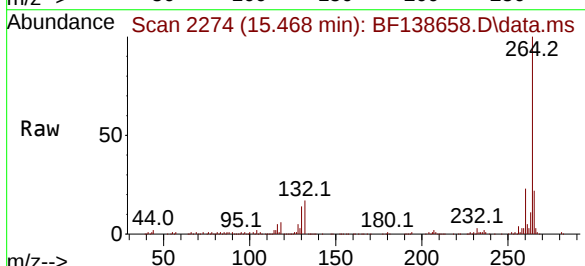
Tgt Ion:264 Resp: 148453

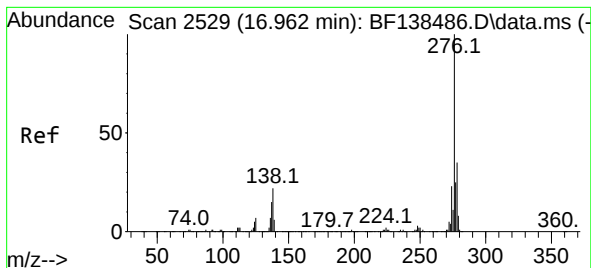
Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.6

265 21.9 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.652 ng

RT: 16.927 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF138658.D

Acq: 25 Jul 2024 17:50

Instrument :

BNA_F

ClientSampleId :

S-857-J-SO-1-1.5-072024

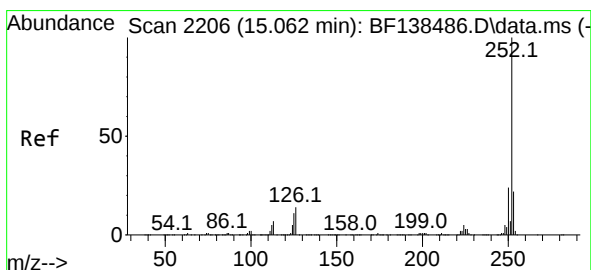
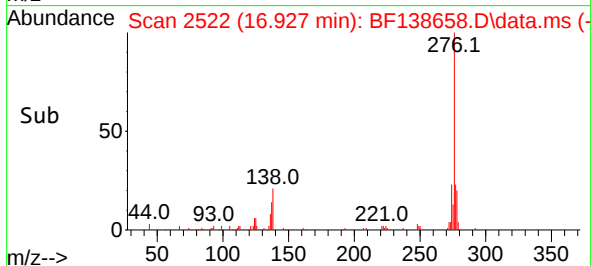
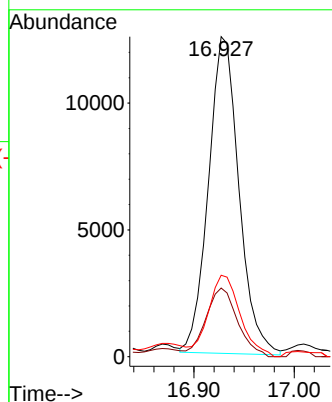
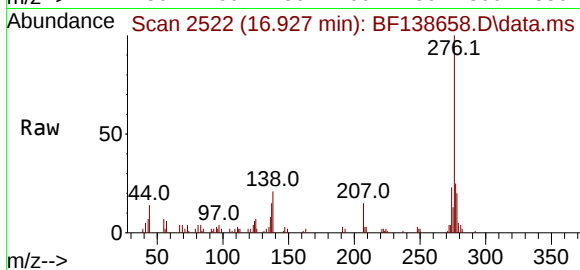
Tgt Ion:276 Resp: 26443

Ion Ratio Lower Upper

276 100

138 22.4 19.6 29.4

277 27.0 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 14.586 ng

RT: 15.045 min Scan# 2202

Delta R.T. -0.017 min

Lab File: BF138658.D

Acq: 25 Jul 2024 17:50

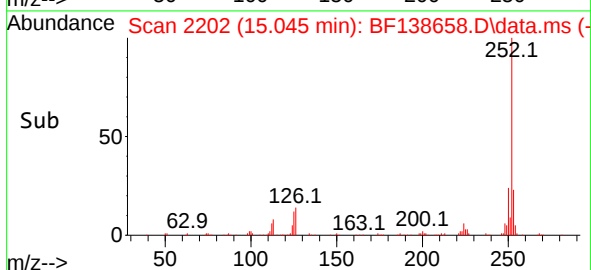
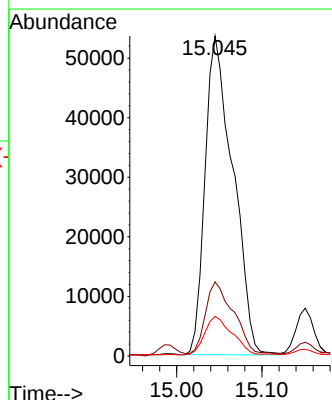
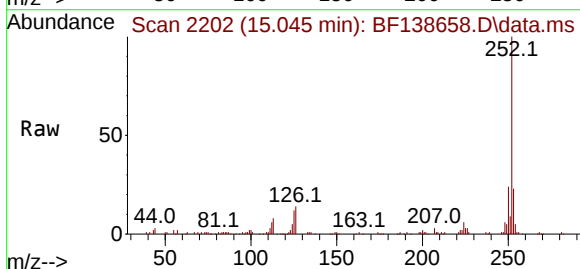
Tgt Ion:252 Resp: 121941

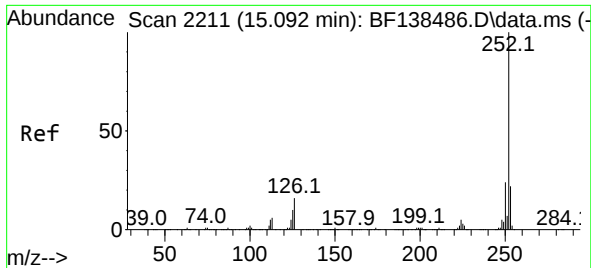
Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

125 12.3 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 14.955 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF138658.D

Acq: 25 Jul 2024 17:50

Instrument :

BNA_F

ClientSampleId :

S-857-J-SO-1-1.5-072024

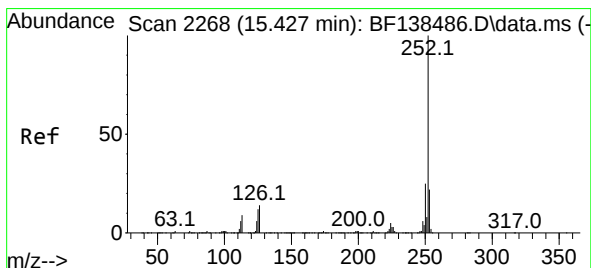
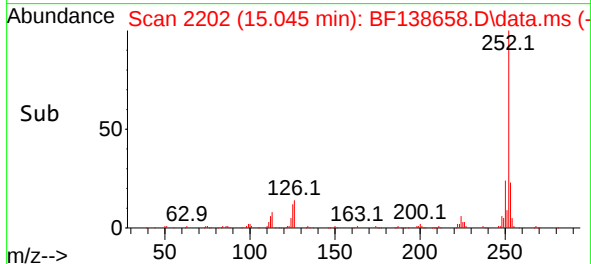
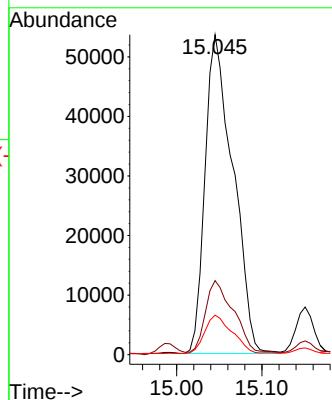
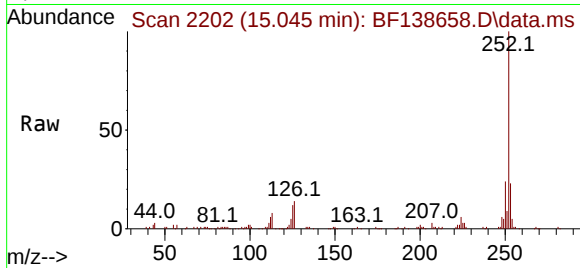
Tgt Ion:252 Resp: 121941

Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 12.3 8.1 12.1#



#90

Benzo(a)pyrene

Concen: 8.120 ng

RT: 15.410 min Scan# 2264

Delta R.T. -0.017 min

Lab File: BF138658.D

Acq: 25 Jul 2024 17:50

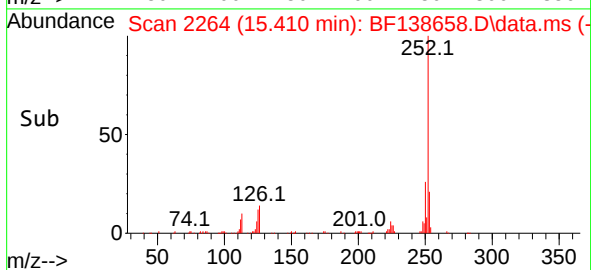
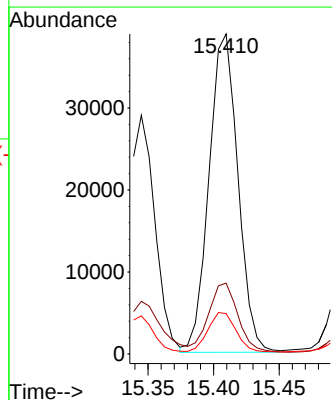
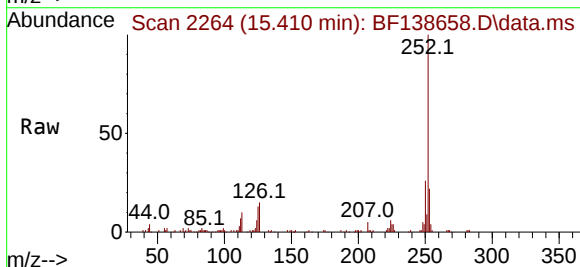
Tgt Ion:252 Resp: 59633

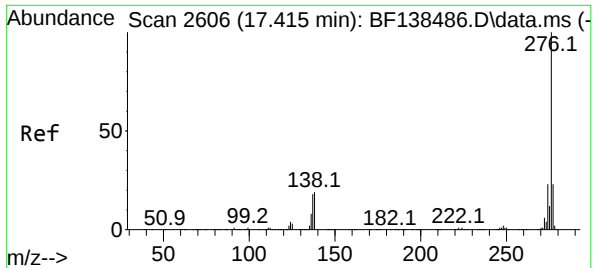
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 12.6 9.4 14.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.825 ng
 RT: 17.368 min Scan# 21
 Delta R.T. -0.047 min
 Lab File: BF138658.D
 Acq: 25 Jul 2024 17:50

Instrument :
 BNA_F
 ClientSampleId :
 S-857-J-SO-1-1.5-072024

Tgt Ion:	276	Resp:	24431
Ion Ratio	Lower	Upper	
276	100		
277	24.5	18.0	27.0
138	23.4	15.5	23.3#

