

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121324\
 Data File : BF140853.D
 Acq On : 13 Dec 2024 19:12
 Operator : RC/JU
 Sample : P5175-01RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-12062024RE

Quant Time: Dec 13 21:42:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

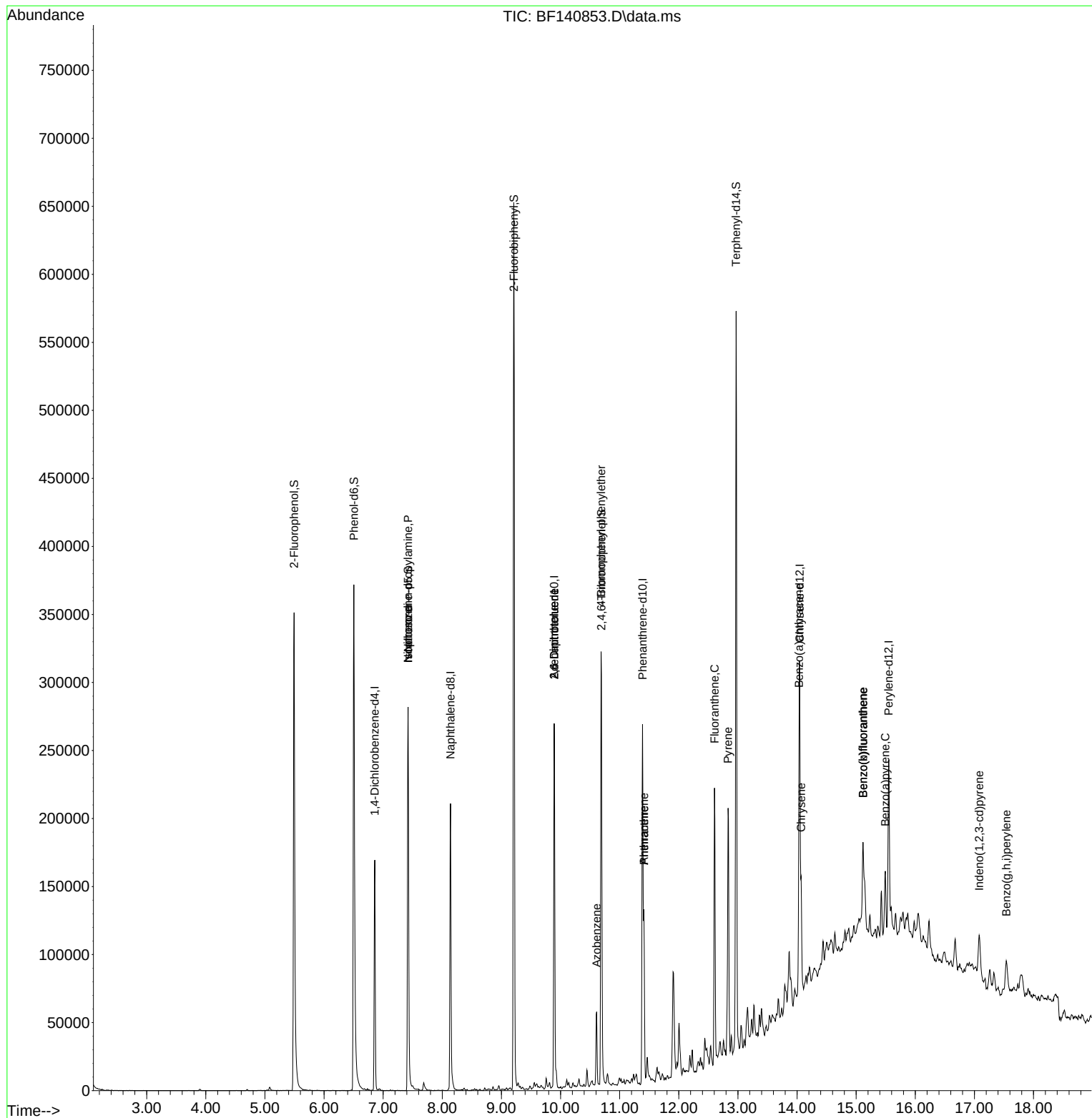
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	37521	20.000	ng	-0.02
21) Naphthalene-d8	8.140	136	142480	20.000	ng	-0.02
39) Acenaphthene-d10	9.892	164	81524	20.000	ng	-0.02
64) Phenanthrene-d10	11.386	188	138259	20.000	ng	-0.02
76) Chrysene-d12	14.045	240	94608	20.000	ng	0.00
86) Perylene-d12	15.551	264	79573	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	168187	76.480	ng	0.00
7) Phenol-d6	6.504	99	212908	73.234	ng	-0.01
23) Nitrobenzene-d5	7.422	82	139575	50.107	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	58625	67.238	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	286856	52.426	ng	-0.02
79) Terphenyl-d14	12.969	244	259806	42.761	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	19345	11.259	ng	# 77
25) Isophorone	7.422	82	139574	30.042	ng	# 66
51) 2,6-Dinitrotoluene	9.892	165	10390	8.533	ng	# 19
57) 2,4-Dinitrotoluene	9.892	165	10390	6.420	ng	# 17
63) Azobenzene	10.610	77	15009	2.905	ng	# 1
67) 4-Bromophenyl-phenylether	10.686	248	3649	2.563	ng	# 1
71) Phenanthrene	11.410	178	65847	9.908	ng	98
72) Anthracene	11.410	178	65847	10.129	ng	99
75) Fluoranthene	12.604	202	117286	16.254	ng	99
78) Pyrene	12.833	202	106715	12.199	ng	99
81) Benzo(a)anthracene	14.033	228	46098	7.361	ng	94
83) Chrysene	14.069	228	41882	7.314	ng	97
87) Indeno(1,2,3-cd)pyrene	17.080	276	20460	3.945	ng	# 95
88) Benzo(b)fluoranthene	15.116	252	57130	11.430	ng	# 88
89) Benzo(k)fluoranthene	15.116	252	57130	13.062	ng	# 88
90) Benzo(a)pyrene	15.492	252	28311	6.967	ng	# 93
92) Benzo(g,h,i)perylene	17.539	276	20964	4.837	ng	# 93

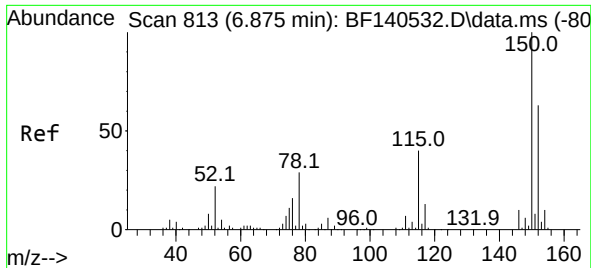
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121324\
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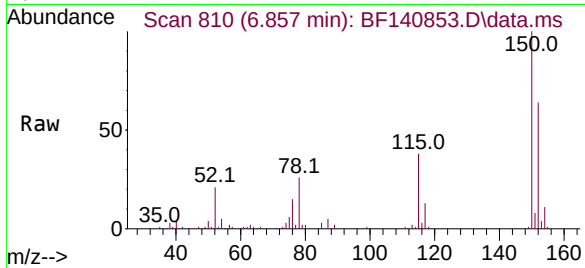
Quant Time: Dec 13 21:42:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



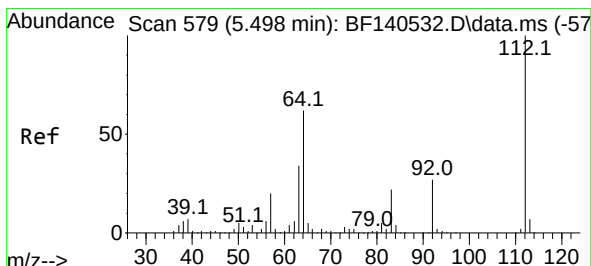
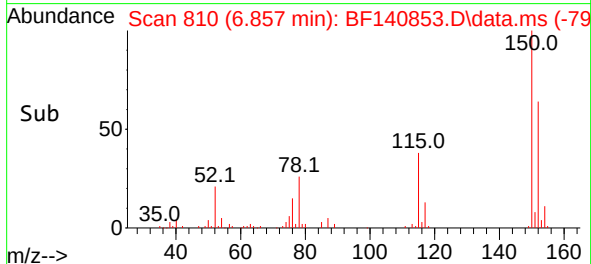
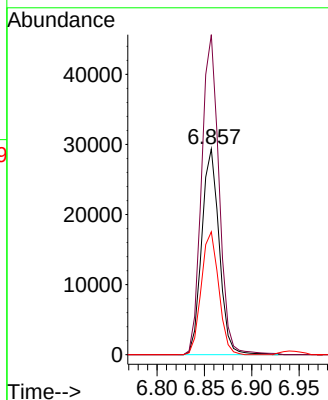


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. -0.018 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Instrument :
BNA_F
ClientSampleId :
OK-01-12062024RE

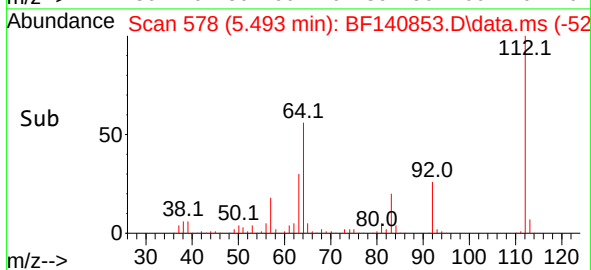
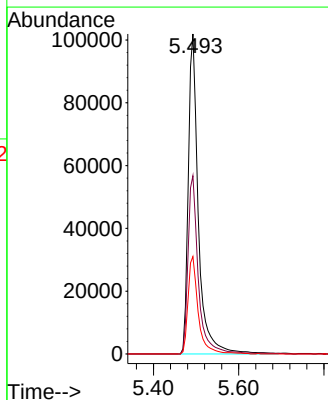
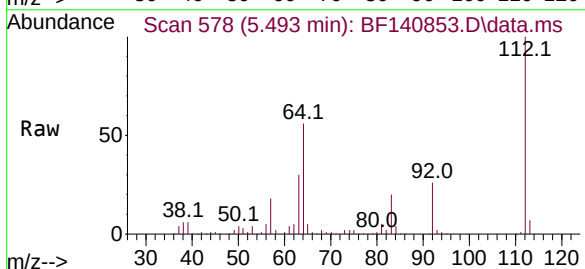


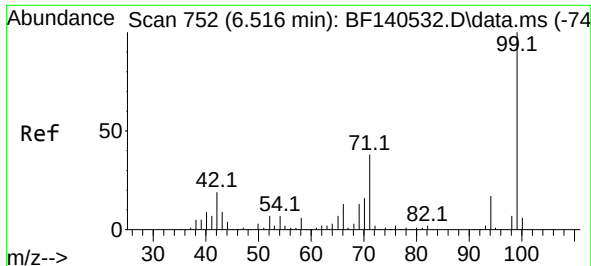
Tgt Ion:152 Resp: 37521
Ion Ratio Lower Upper
152 100
150 155.5 128.5 192.7
115 59.7 50.2 75.4



#5
2-Fluorophenol
Concen: 76.480 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

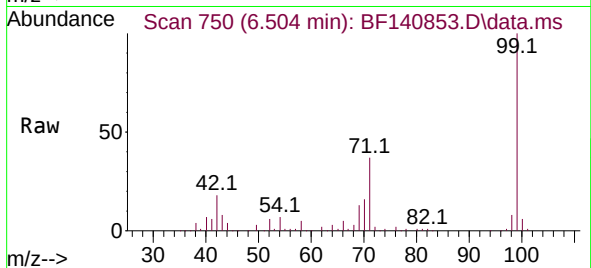
Tgt Ion:112 Resp: 168187
Ion Ratio Lower Upper
112 100
64 55.7 49.2 73.8
63 30.4 27.0 40.4



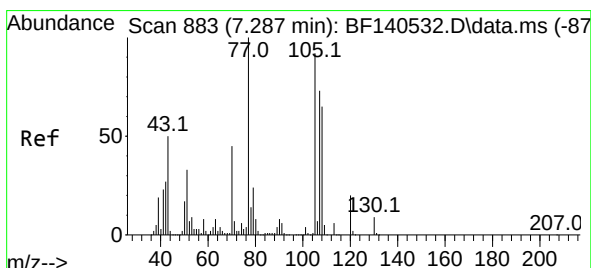
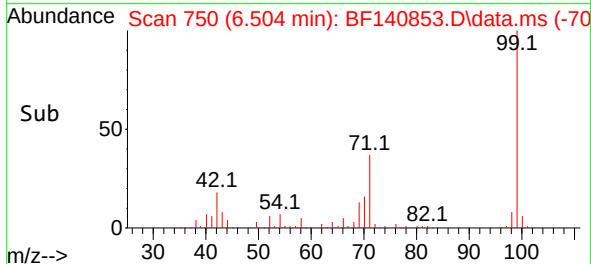
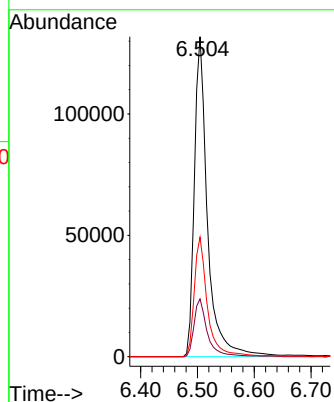


#7
Phenol-d6
Concen: 73.234 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Instrument :
BNA_F
ClientSampleId :
OK-01-12062024RE

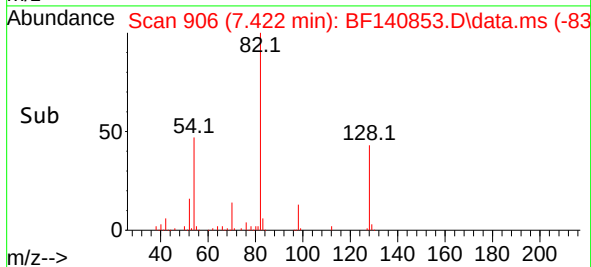
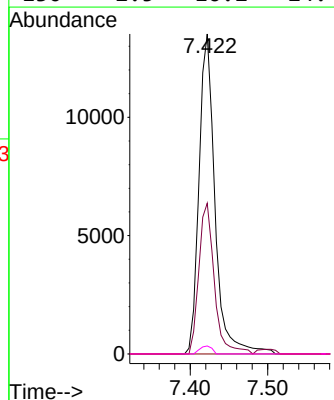
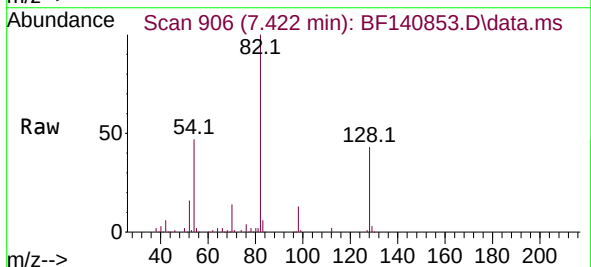


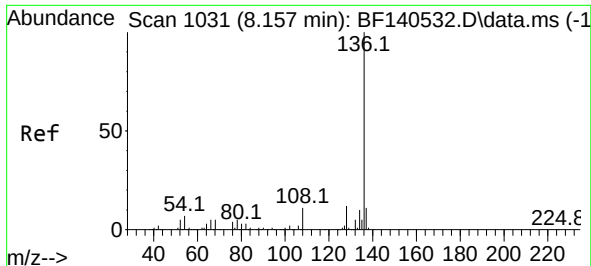
Tgt Ion: 99 Resp: 212908
Ion Ratio Lower Upper
99 100
42 18.0 15.4 23.0
71 37.3 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.259 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Tgt Ion: 70 Resp: 19345
Ion Ratio Lower Upper
70 100
42 47.1 47.6 71.4#
101 0.0 7.6 11.4#
130 2.5 16.2 24.4#



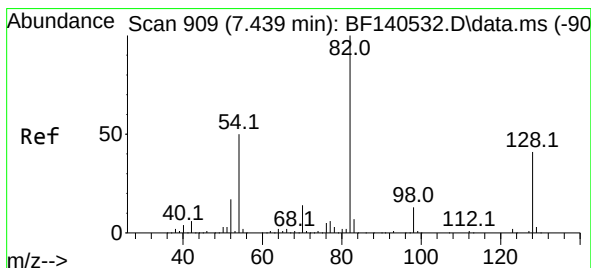
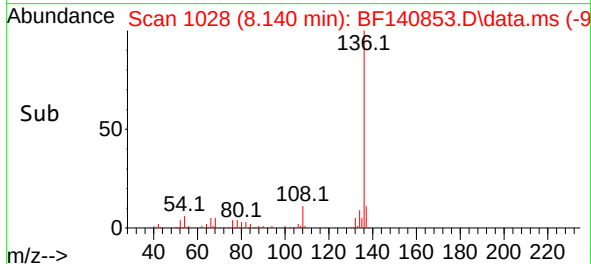
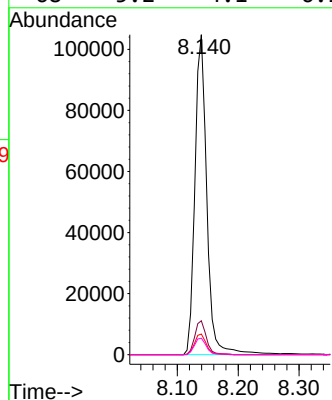
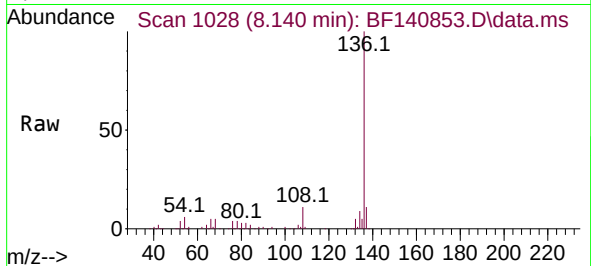


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1031
Delta R.T. -0.018 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Instrument :
BNA_F
ClientSampleId :
OK-01-12062024RE

Tgt Ion:136 Resp: 142480

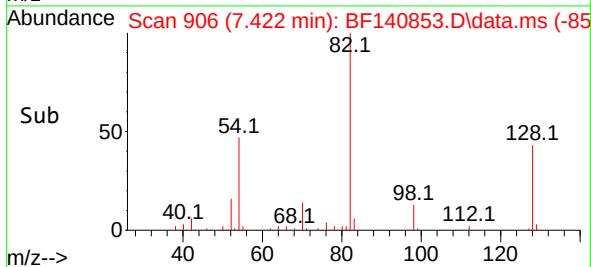
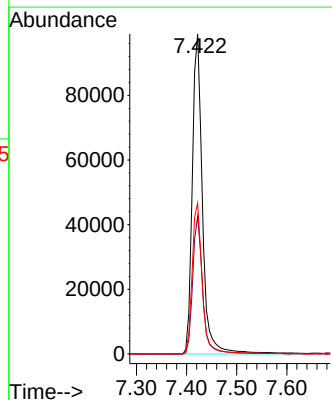
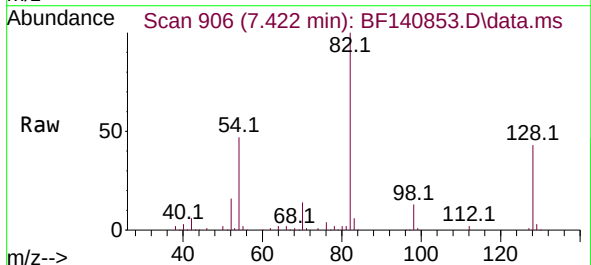
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	6.5	5.8	8.8
68	5.2	4.1	6.1

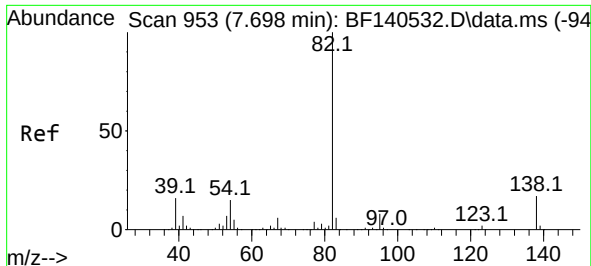


#23
Nitrobenzene-d5
Concen: 50.107 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.018 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Tgt Ion: 82 Resp: 139575

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.0	49.4
54	47.2	39.5	59.3

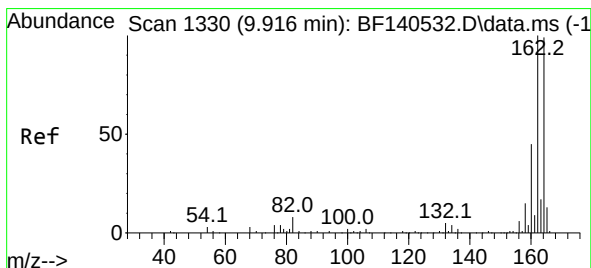
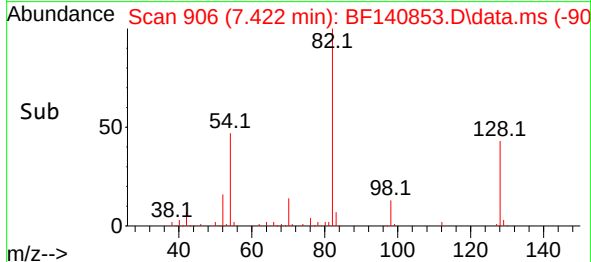
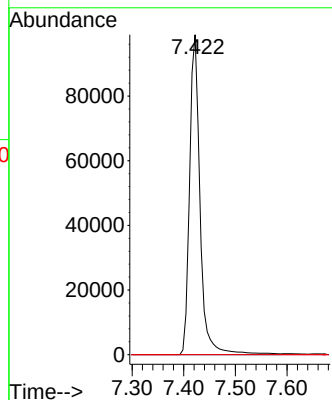
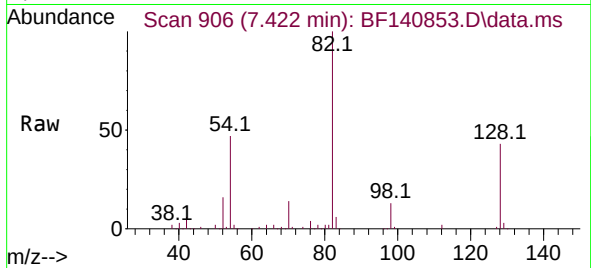




#25
Isophorone
Concen: 30.042 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

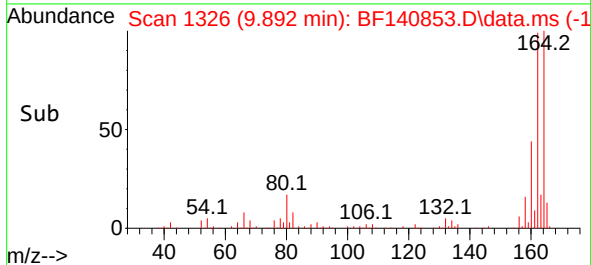
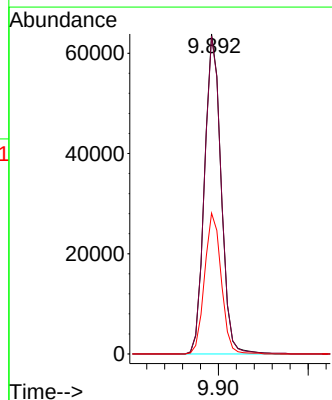
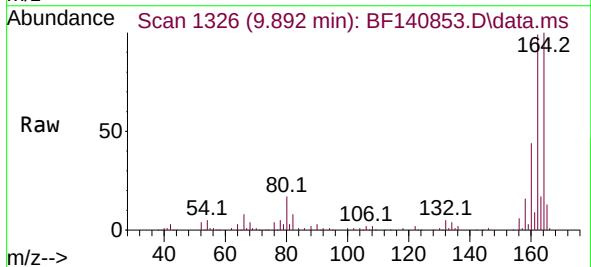
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ClientSampleId :
OK-01-12062024RE

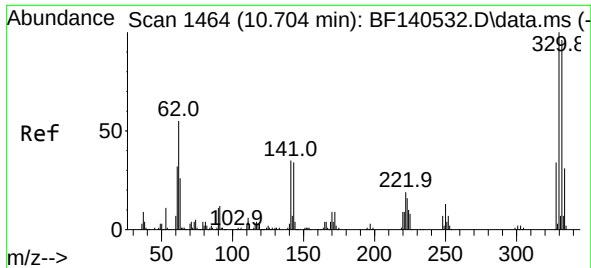
Tgt Ion: 82 Resp: 139574
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.023 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Tgt Ion: 164 Resp: 81524
Ion Ratio Lower Upper
164 100
162 99.3 80.6 120.8
160 44.0 36.2 54.4

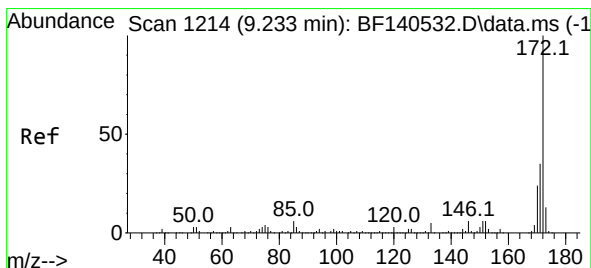
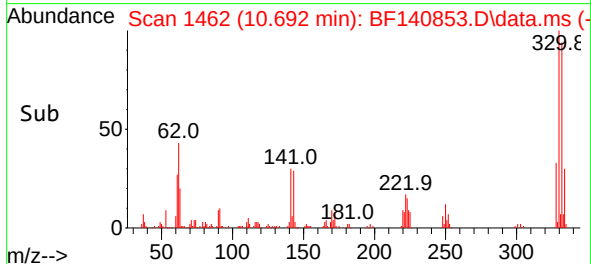
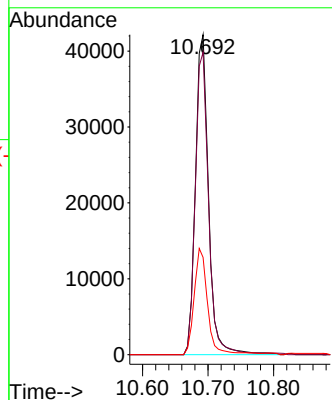
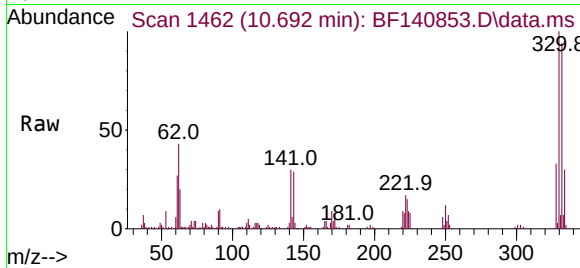




#42
2,4,6-Tribromophenol
Concen: 67.238 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

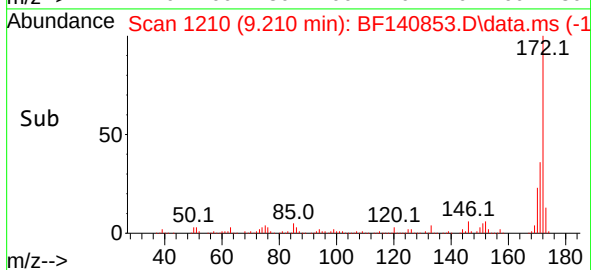
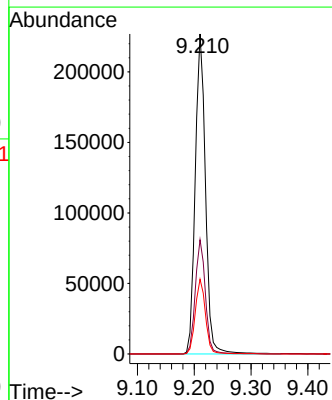
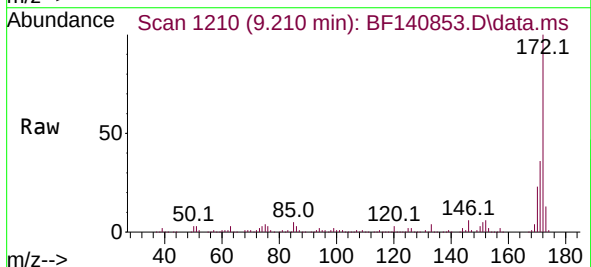
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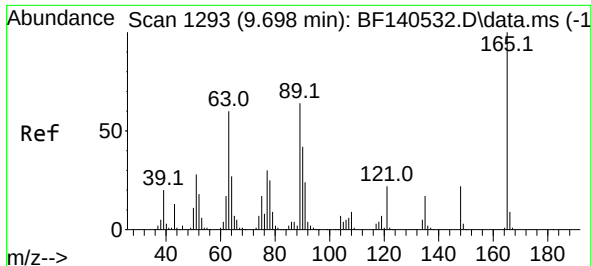
Tgt Ion:330 Resp: 58625
Ion Ratio Lower Upper
330 100
332 96.2 76.9 115.3
141 34.1 26.7 40.1



#45
2-Fluorobiphenyl
Concen: 52.426 ng
RT: 9.210 min Scan# 1210
Delta R.T. -0.023 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Tgt Ion:172 Resp: 286856
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 23.4 19.0 28.6

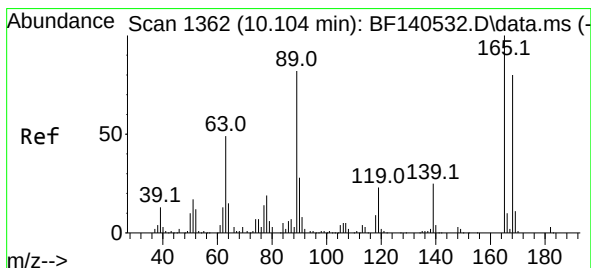
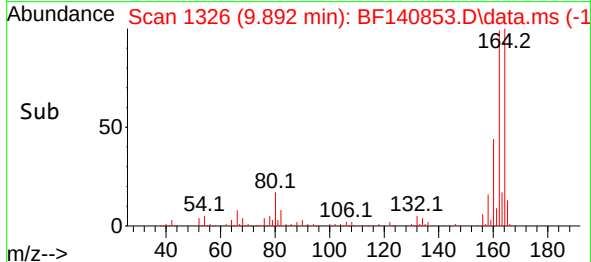
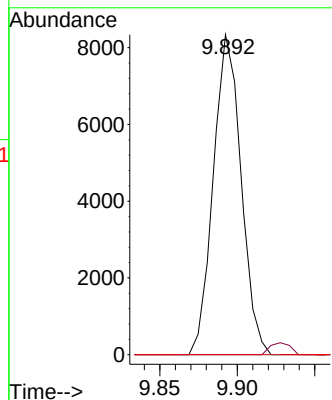
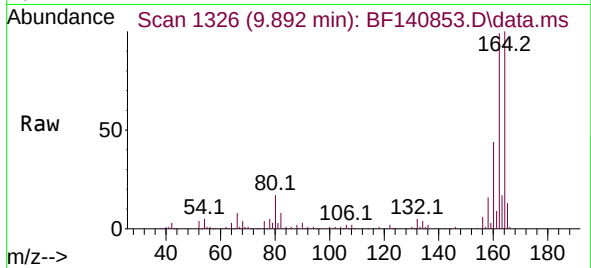




#51
2,6-Dinitrotoluene
Concen: 8.533 ng
RT: 9.892 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

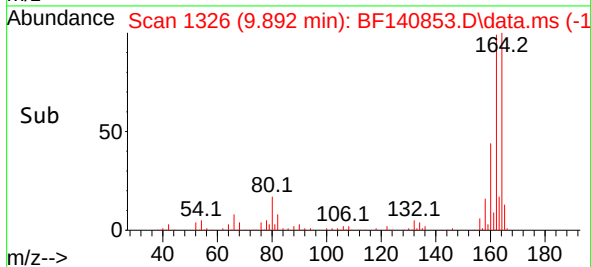
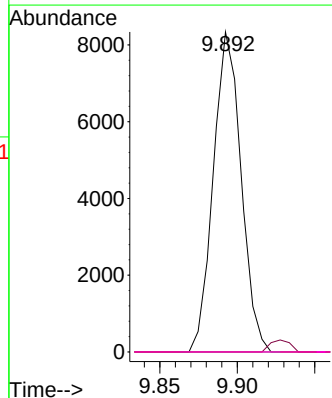
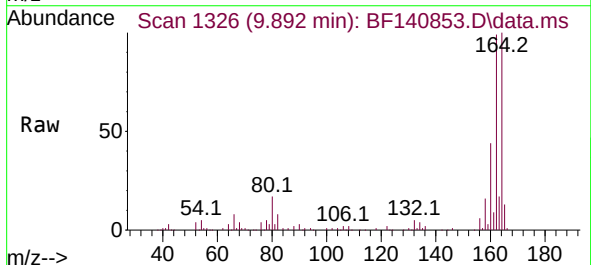
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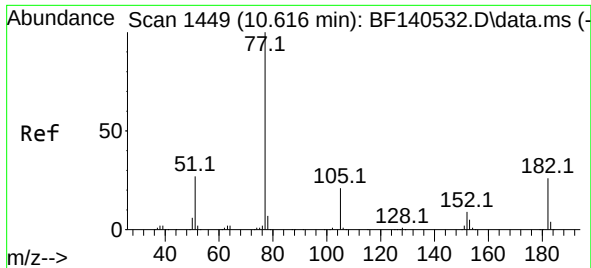
Tgt Ion:165 Resp: 10390
Ion Ratio Lower Upper
165 100
63 0.0 49.9 74.9#
89 0.0 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 6.420 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.212 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Tgt Ion:165 Resp: 10390
Ion Ratio Lower Upper
165 100
63 0.0 41.7 62.5#
89 0.0 65.8 98.8#
182 0.0 2.1 3.1#

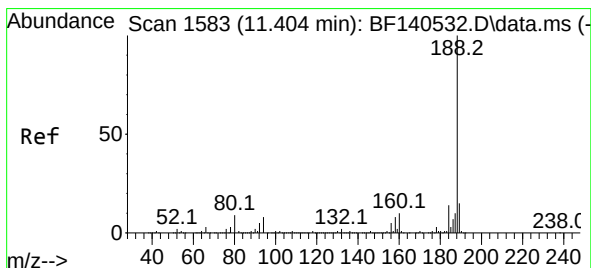
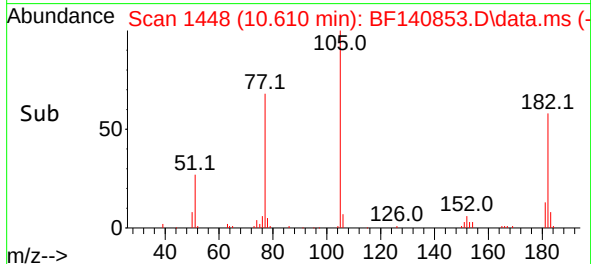
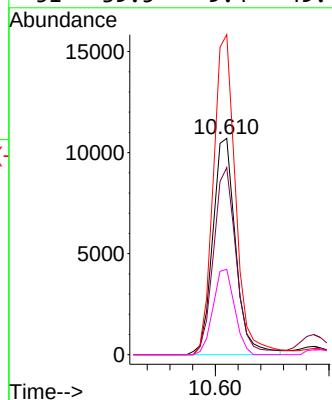
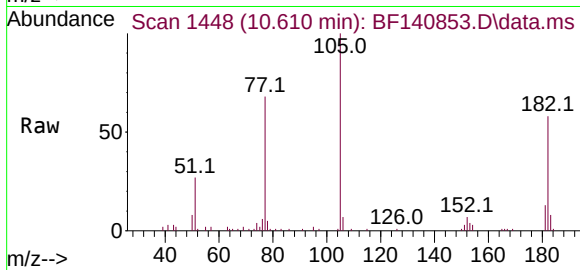




#63
Azobenzene
Concen: 2.905 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

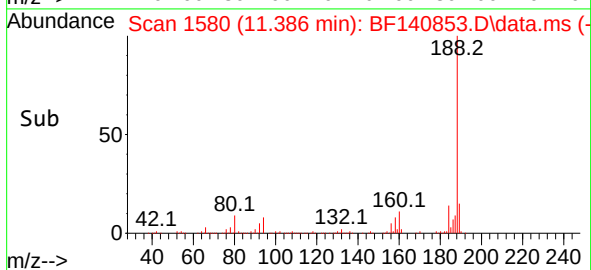
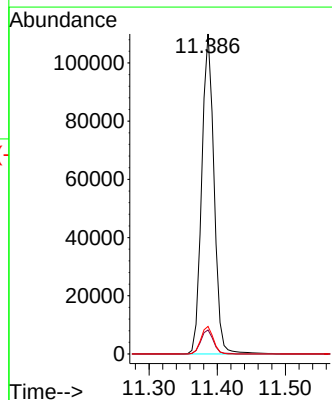
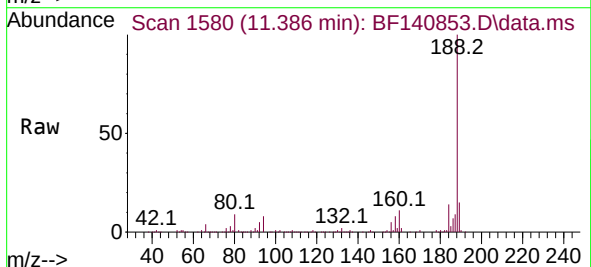
Instrument :
BNA_F
ClientSampleId :
OK-01-12062024RE

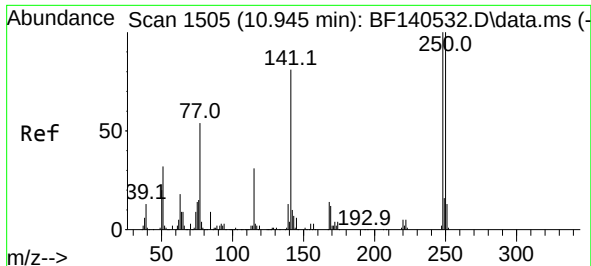
Tgt Ion: 77 Resp: 15009
Ion Ratio Lower Upper
77 100
182 86.5 5.3 45.3#
105 148.0 0.3 40.3#
51 39.5 9.4 49.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.018 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Tgt Ion:188 Resp: 138259
Ion Ratio Lower Upper
188 100
94 7.5 6.4 9.6
80 8.6 6.9 10.3

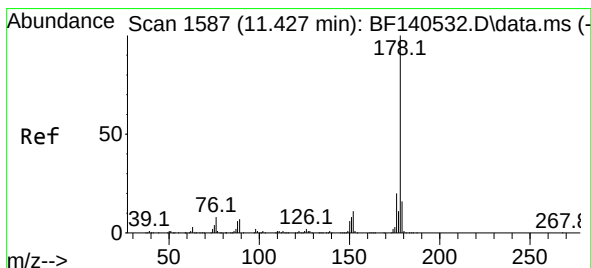
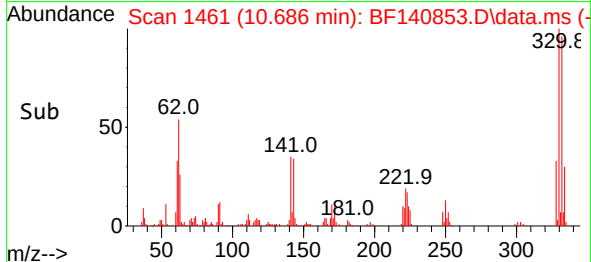
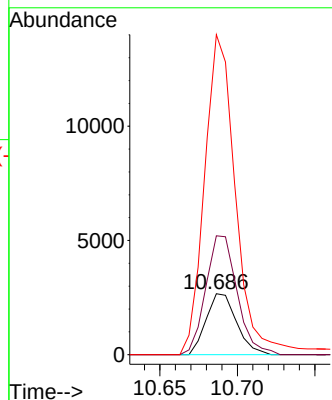
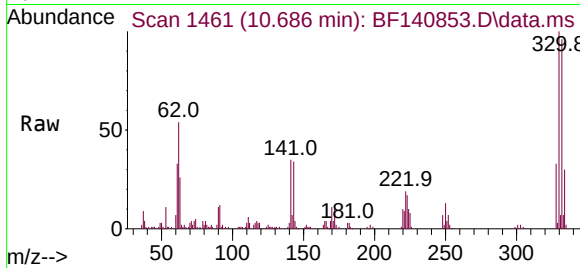




#67
4-Bromophenyl-phenylether
Concen: 2.563 ng
RT: 10.686 min Scan# 1461
Delta R.T. -0.259 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

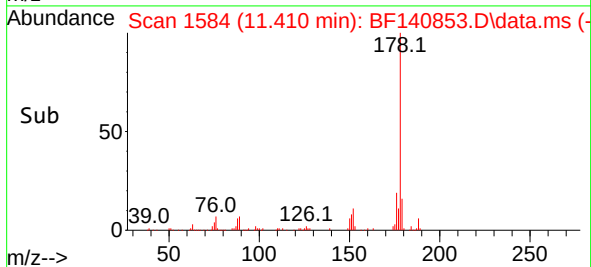
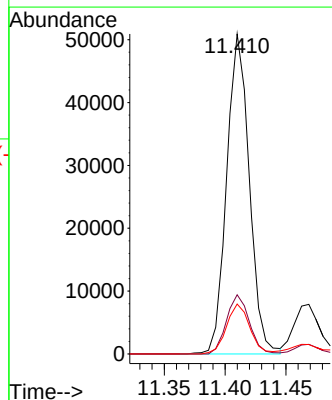
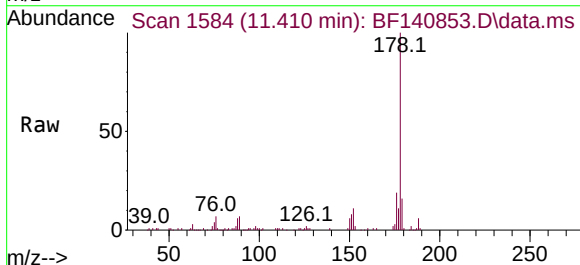
Instrument :
BNA_F
ClientSampleId :
OK-01-12062024RE

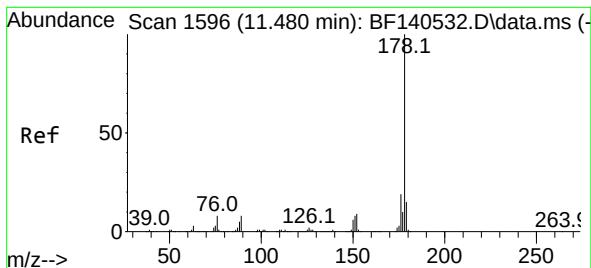
Tgt Ion:248 Resp: 3649
Ion Ratio Lower Upper
248 100
250 195.2 79.8 119.8#
141 525.5 64.7 97.1#



#71
Phenanthrene
Concen: 9.908 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.018 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Tgt Ion:178 Resp: 65847
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.6
179 15.6 12.4 18.6





#72

Anthracene

Concen: 10.129 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.070 min

Lab File: BF140853.D

Acq: 13 Dec 2024 19:12

Instrument :

BNA_F

ClientSampleId :

OK-01-12062024RE

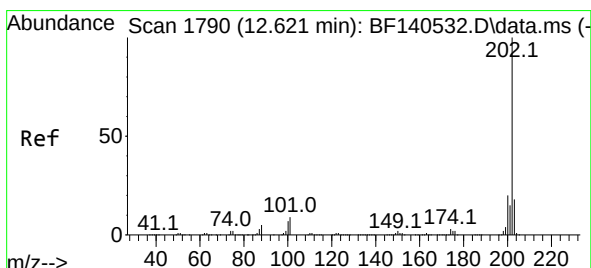
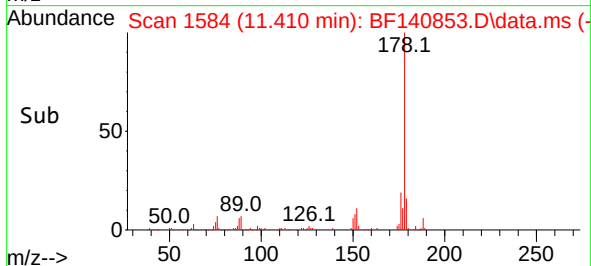
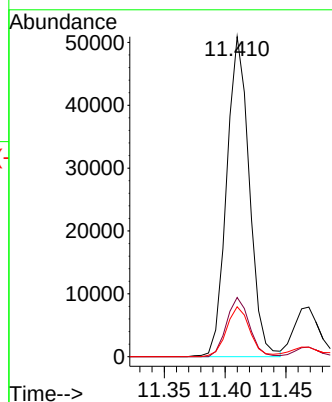
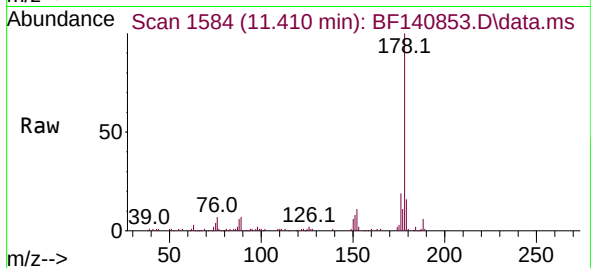
Tgt Ion:178 Resp: 65847

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

179 15.6 12.2 18.4



#75

Fluoranthene

Concen: 16.254 ng

RT: 12.604 min Scan# 1787

Delta R.T. -0.018 min

Lab File: BF140853.D

Acq: 13 Dec 2024 19:12

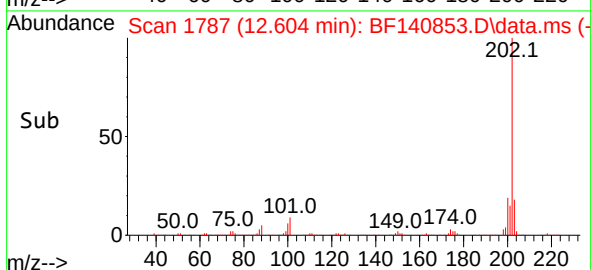
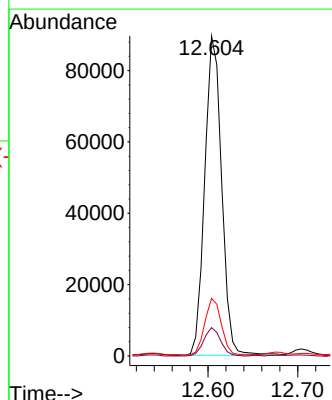
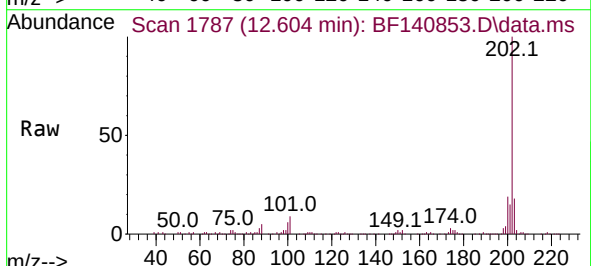
Tgt Ion:202 Resp: 117286

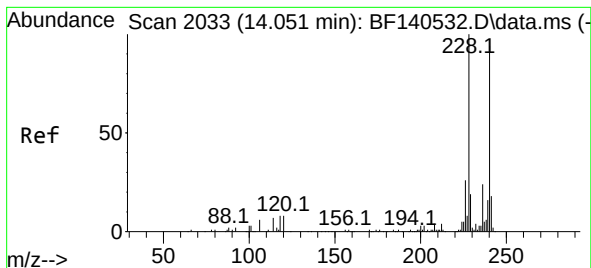
Ion Ratio Lower Upper

202 100

101 8.9 0.0 28.9

203 18.0 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF140853.D

Acq: 13 Dec 2024 19:12

Instrument :

BNA_F

ClientSampleId :

OK-01-12062024RE

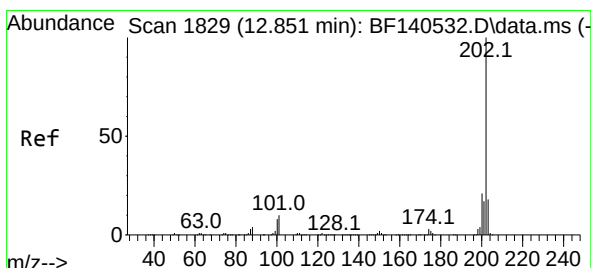
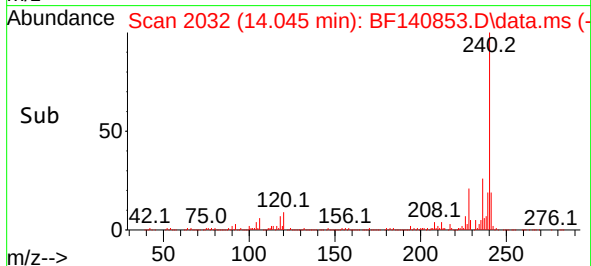
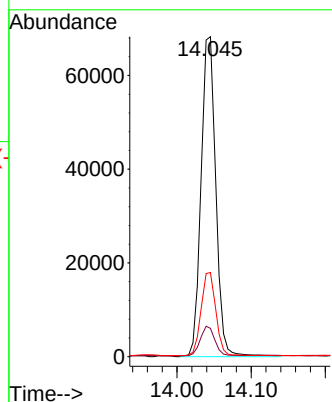
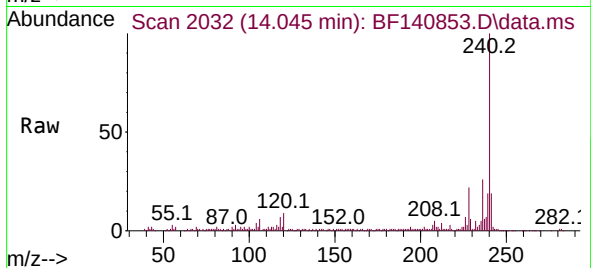
Tgt Ion:240 Resp: 94608

Ion Ratio Lower Upper

240 100

120 8.9 7.3 10.9

236 26.3 20.6 31.0



#78

Pyrene

Concen: 12.199 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.018 min

Lab File: BF140853.D

Acq: 13 Dec 2024 19:12

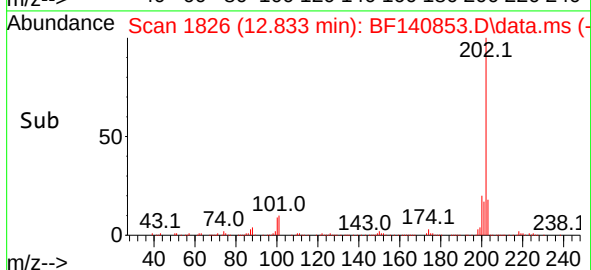
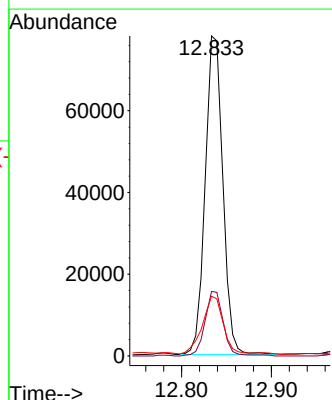
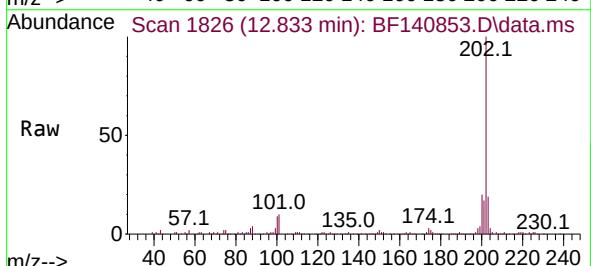
Tgt Ion:202 Resp: 106715

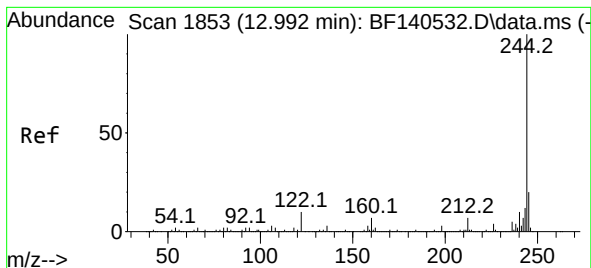
Ion Ratio Lower Upper

202 100

200 20.2 16.5 24.7

203 18.7 14.2 21.4





#79

Terphenyl-d14

Concen: 42.761 ng

RT: 12.969 min Scan# 1849

Delta R.T. -0.023 min

Lab File: BF140853.D

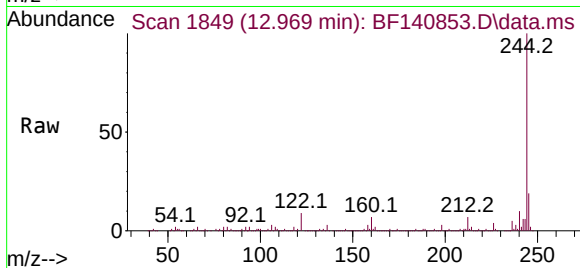
Acq: 13 Dec 2024 19:12

Instrument :

BNA_F

ClientSampleId :

OK-01-12062024RE



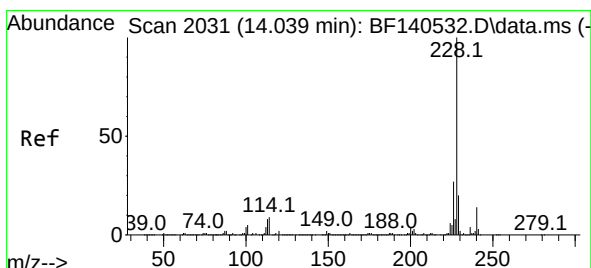
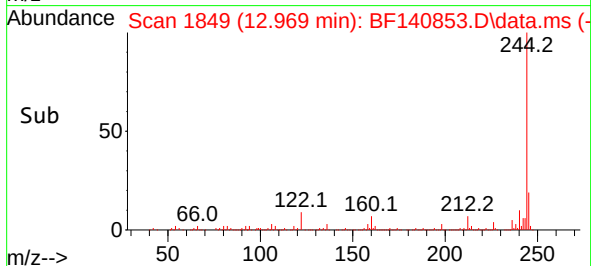
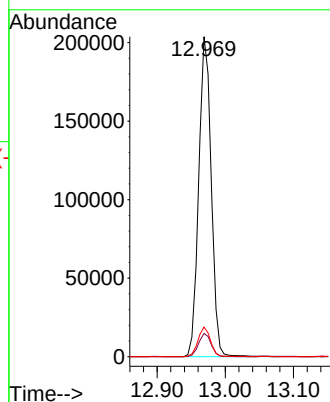
Tgt Ion:244 Resp: 259806

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

122 9.3 8.0 12.0



#81

Benzo(a)anthracene

Concen: 7.361 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF140853.D

Acq: 13 Dec 2024 19:12

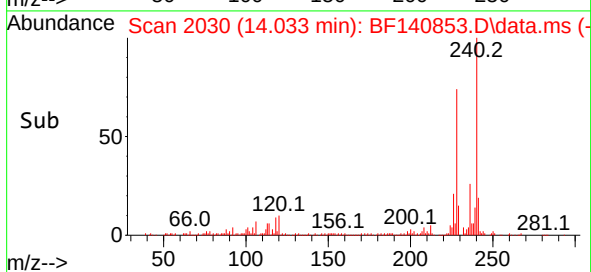
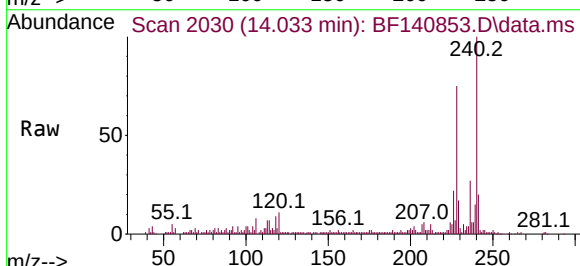
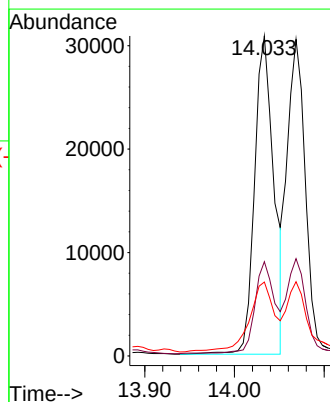
Tgt Ion:228 Resp: 46098

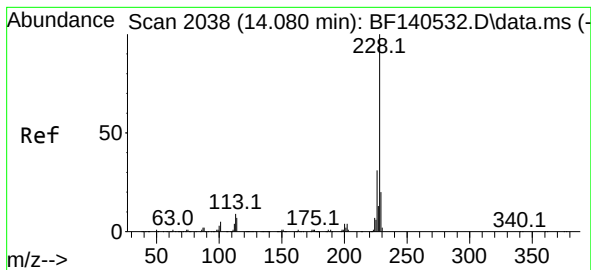
Ion Ratio Lower Upper

228 100

226 29.4 21.8 32.8

229 23.1 15.8 23.6





#83

Chrysene

Concen: 7.314 ng

RT: 14.069 min Scan# 2038

Delta R.T. -0.012 min

Lab File: BF140853.D

Acq: 13 Dec 2024 19:12

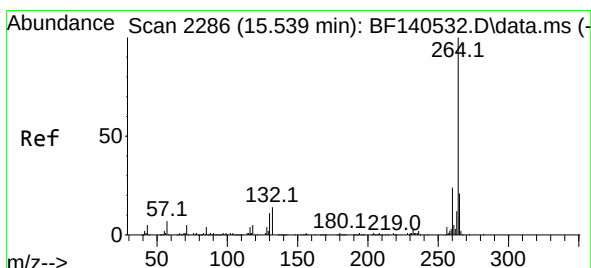
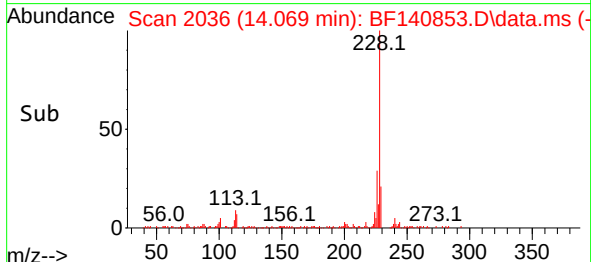
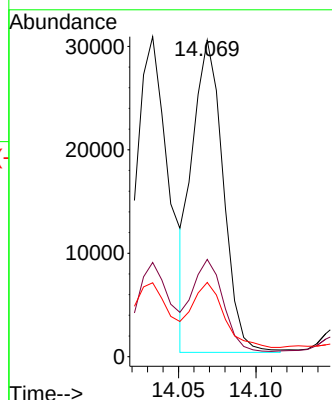
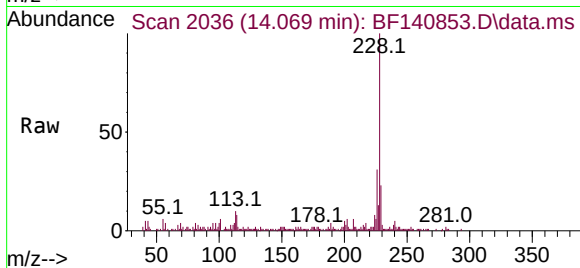
Instrument :

BNA_F

ClientSampleId :

OK-01-12062024RE

Tgt Ion:	228	Resp:	41882
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.4	36.6
229	23.4	15.8	23.6



#86

Perylene-d12

Concen: 20.000 ng

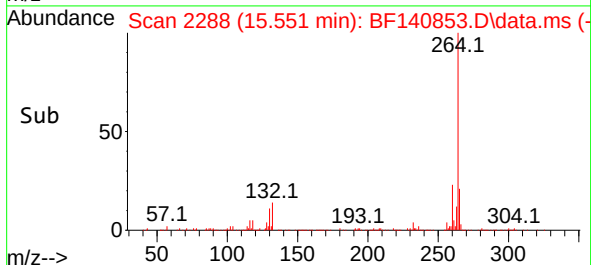
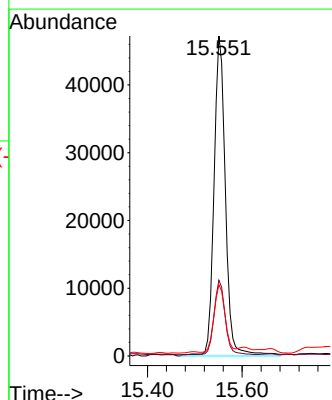
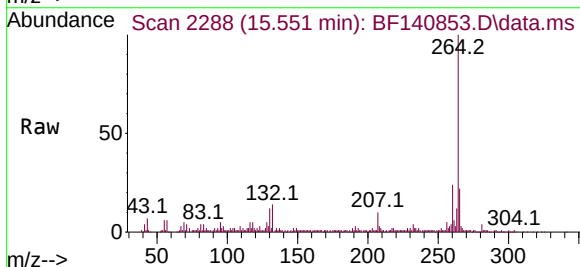
RT: 15.551 min Scan# 2288

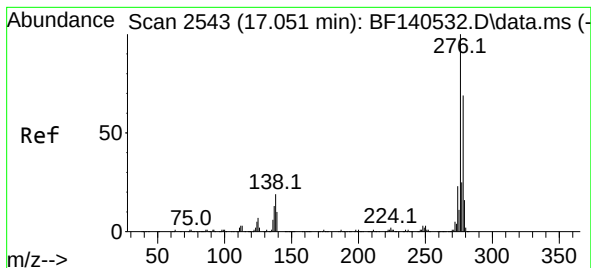
Delta R.T. 0.012 min

Lab File: BF140853.D

Acq: 13 Dec 2024 19:12

Tgt Ion:	264	Resp:	79573
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.0	28.6
265	22.2	16.6	25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.945 ng

RT: 17.080 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF140853.D

Acq: 13 Dec 2024 19:12

Instrument :

BNA_F

ClientSampleId :

OK-01-12062024RE

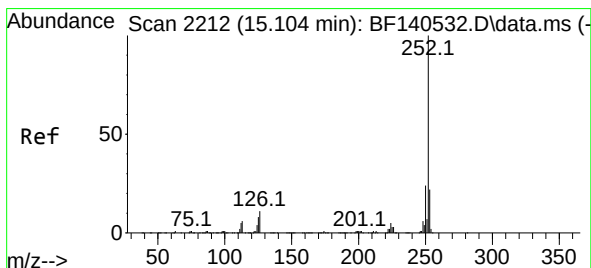
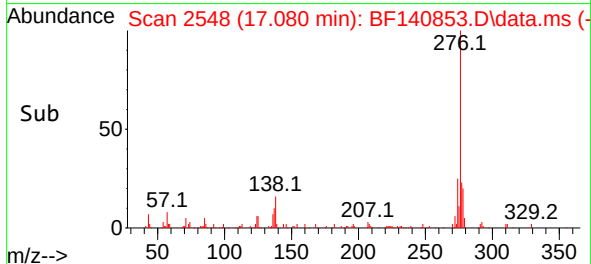
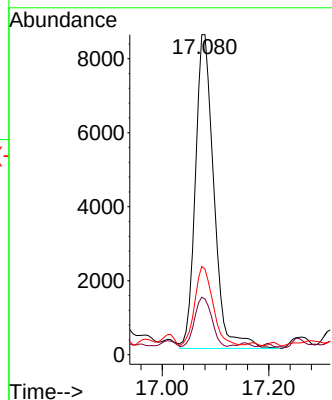
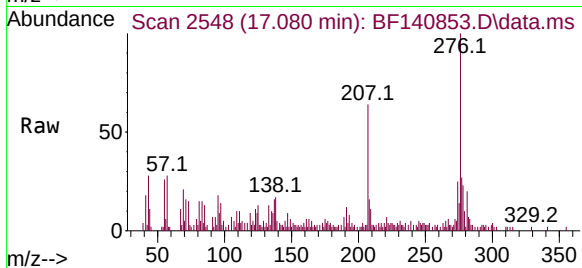
Tgt Ion:276 Resp: 20460

Ion Ratio Lower Upper

276 100

138 14.3 15.5 23.3#

277 24.7 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 11.430 ng

RT: 15.116 min Scan# 2214

Delta R.T. 0.012 min

Lab File: BF140853.D

Acq: 13 Dec 2024 19:12

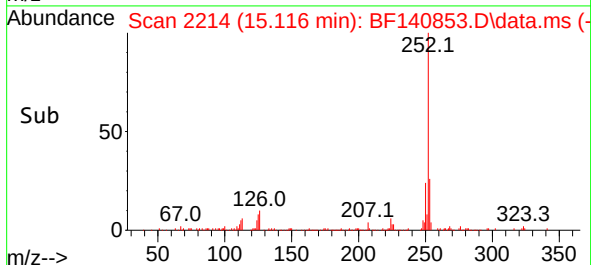
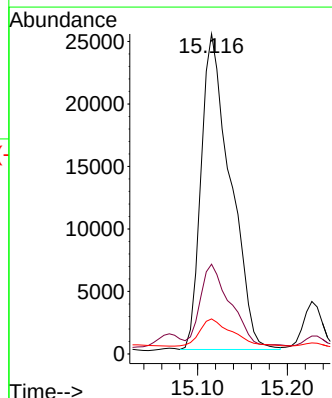
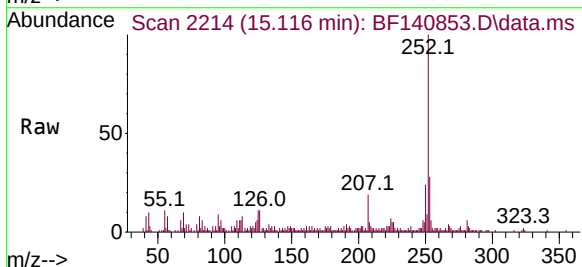
Tgt Ion:252 Resp: 57130

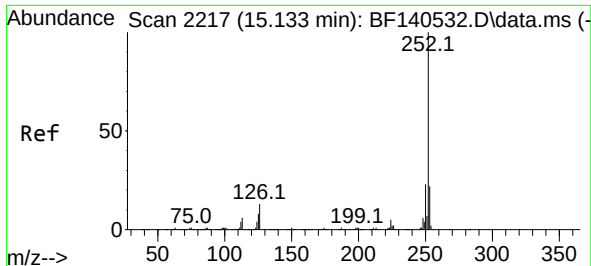
Ion Ratio Lower Upper

252 100

253 28.0 17.2 25.8#

125 11.0 6.7 10.1#

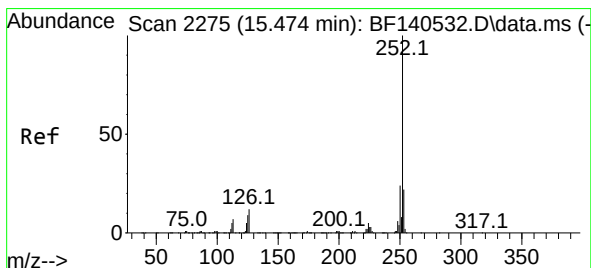
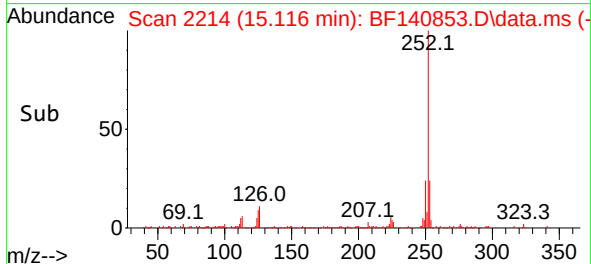
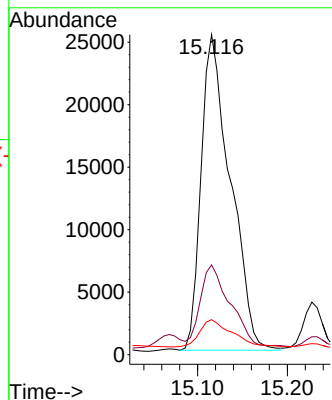
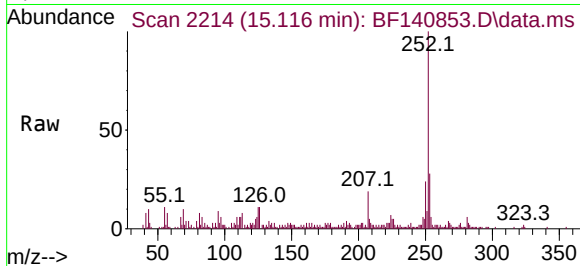




#89
Benzo(k)fluoranthene
Concen: 13.062 ng
RT: 15.116 min Scan# 211
Delta R.T. -0.018 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

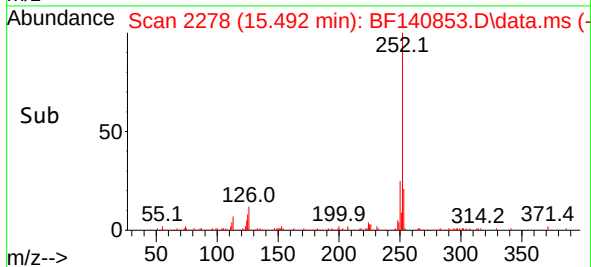
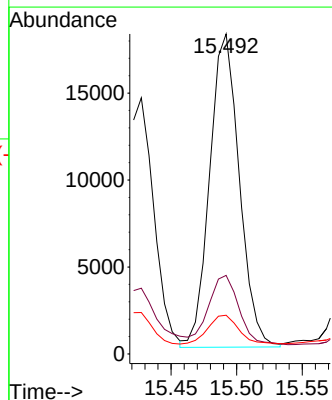
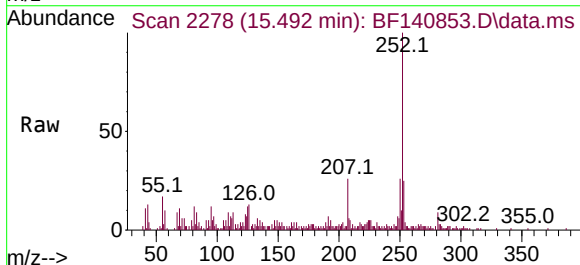
Instrument :
BNA_F
ClientSampleId :
OK-01-12062024RE

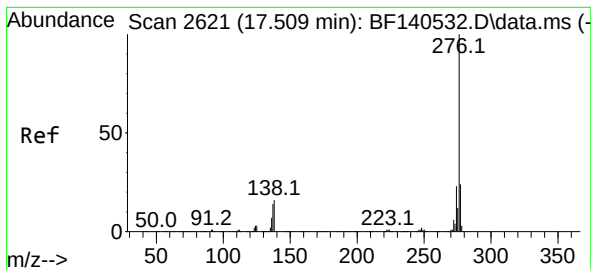
Tgt Ion:252 Resp: 57130
Ion Ratio Lower Upper
252 100
253 28.0 17.5 26.3#
125 11.0 6.5 9.7#



#90
Benzo(a)pyrene
Concen: 6.967 ng
RT: 15.492 min Scan# 2278
Delta R.T. 0.018 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Tgt Ion:252 Resp: 28311
Ion Ratio Lower Upper
252 100
253 24.6 17.3 25.9
125 12.1 7.0 10.6#





#92

Benzo(g,h,i)perylene

Concen: 4.837 ng

RT: 17.539 min Scan# 2

Delta R.T. 0.030 min

Lab File: BF140853.D

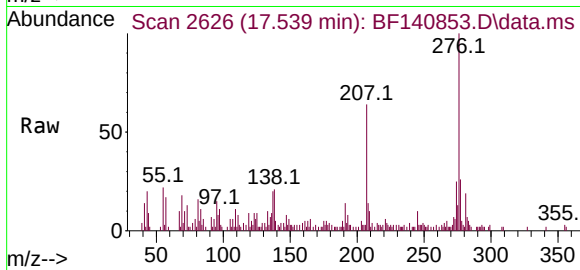
Acq: 13 Dec 2024 19:12

Instrument :

BNA_F

ClientSampleId :

OK-01-12062024RE



Tgt Ion:276 Resp: 20964

Ion Ratio Lower Upper

276 100

277 26.2 18.9 28.3

138 20.7 13.2 19.8#

