

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071124\
 Data File : BF138536.D
 Acq On : 11 Jul 2024 21:53
 Operator : CG\JU
 Sample : P3184-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-23-00199

Quant Time: Jul 12 01:15:13 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)

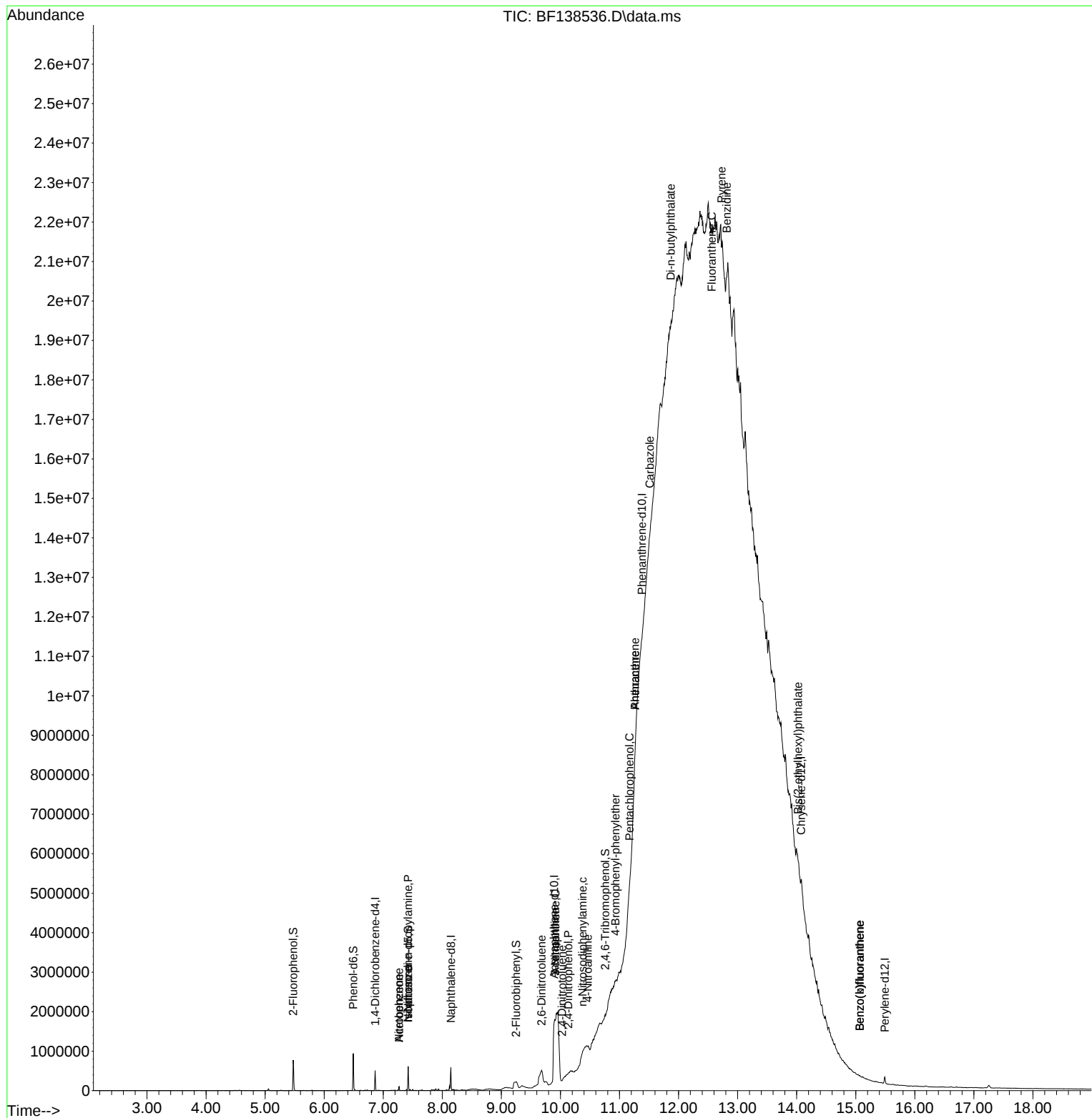
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	59973	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	212551	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	21343	20.000	ng	#-0.01
64) Phenanthrene-d10	11.380	188	17420	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	69660	20.000	ng	# 0.05
86) Perylene-d12	15.492	264	73850	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	187271	49.454	ng	-0.02
7) Phenol-d6	6.492	99	244218	48.480	ng	-0.01
23) Nitrobenzene-d5	7.422	82	149956	34.639	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	46576	233.497	ng	0.06
45) 2-Fluorobiphenyl	9.251	172	259756	190.214	ng	0.02
79) Terphenyl-d14	12.939	244	6482	1.516	ng	-0.04
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	20450	6.570	ng	# 74
22) Acetophenone	7.269	105	26077	5.051	ng	# 84
24) Nitrobenzene	7.269	77	19208	4.366	ng	# 45
25) Isophorone	7.422	82	149166	20.064	ng	# 67
51) 2,6-Dinitrotoluene	9.680	165	128501	404.398	ng	# 26
52) Acenaphthene	9.916	154	4630	4.015	ng	# 62
53) 3-Nitroaniline	9.910	138	2110	6.479	ng	# 1
54) 2,4-Dinitrophenol	10.133	184	235	5.965	ng	# 1
57) 2,4-Dinitrotoluene	10.027	165	6498	15.805	ng	# 22
62) 4-Nitroaniline	10.463	138	874	2.678	ng	87
66) n-Nitrosodiphenylamine	10.374	169	2137	4.095	ng	97
67) 4-Bromophenyl-phenylether	10.933	248	414	2.312	ng	# 1
70) Pentachlorophenol	11.169	266	1947	16.542	ng	# 29
71) Phenanthrene	11.263	178	2622	2.979	ng	# 1
72) Anthracene	11.263	178	2622	3.001	ng	# 1
73) Carbazole	11.516	167	7007	8.925	ng	# 1
74) Di-n-butylphthalate	11.869	149	5114	5.651	ng	# 32
75) Fluoranthene	12.563	202	15158	16.879	ng	# 1
77) Benzidine	12.816	184	4326	2.461	ng	# 1
78) Pyrene	12.727	202	17428	2.465	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.021	149	15537	6.848	ng	# 3
88) Benzo(b)fluoranthene	15.068	252	9658	2.322	ng	# 2
89) Benzo(k)fluoranthene	15.068	252	9658	2.381	ng	# 5

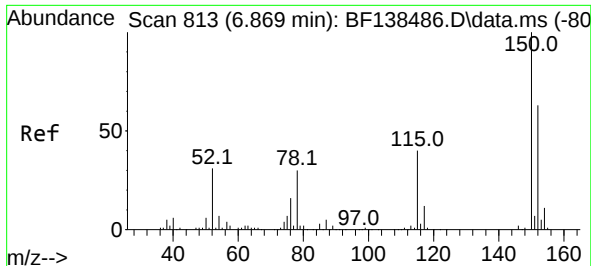
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

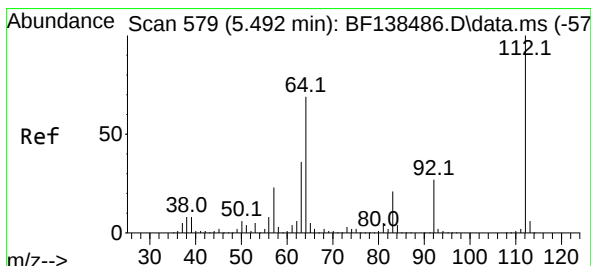
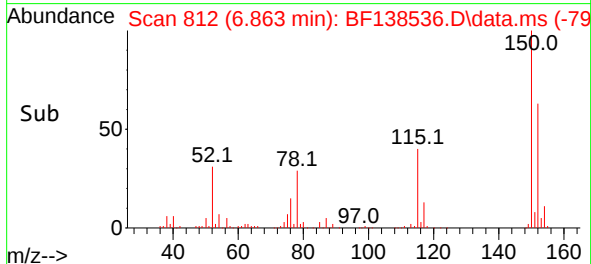
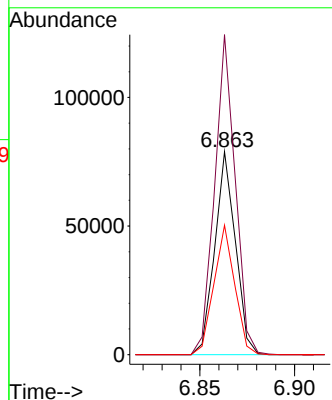
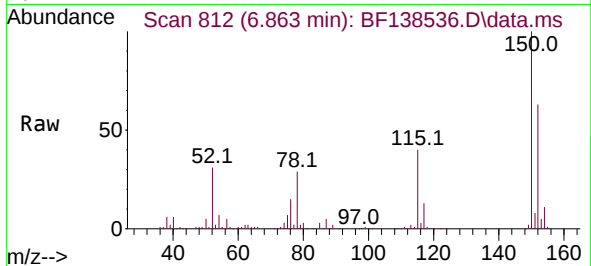




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF138536.D
Acq: 11 Jul 2024 21:53

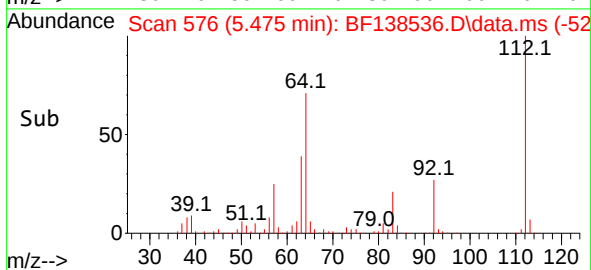
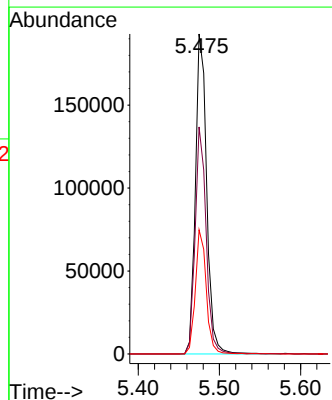
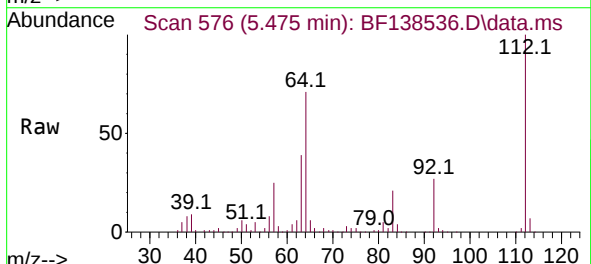
Instrument :
BNA_F
ClientSampleId :
MOO-23-00199

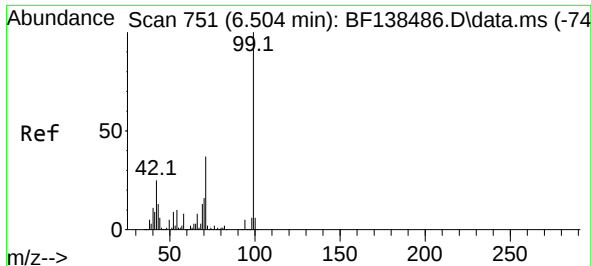
Tgt Ion:152 Resp: 59973
Ion Ratio Lower Upper
152 100
150 157.6 126.2 189.4
115 63.7 50.3 75.5



#5
2-Fluorophenol
Concen: 49.454 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.018 min
Lab File: BF138536.D
Acq: 11 Jul 2024 21:53

Tgt Ion:112 Resp: 187271
Ion Ratio Lower Upper
112 100
64 71.0 55.1 82.7
63 38.8 29.0 43.6

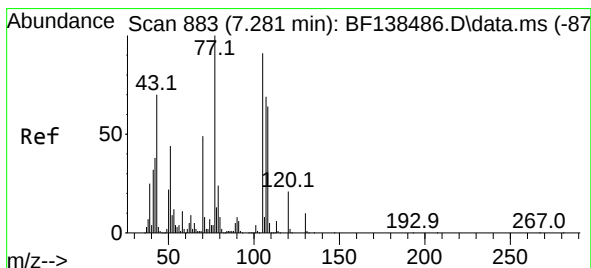
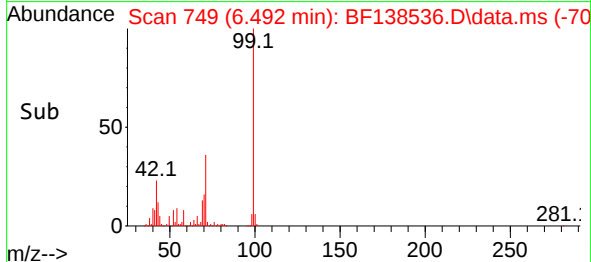
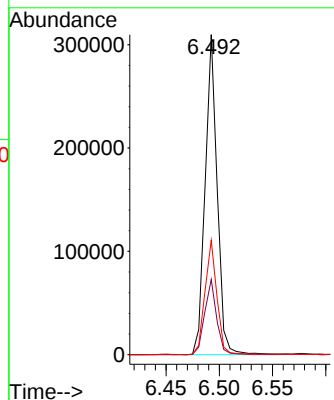
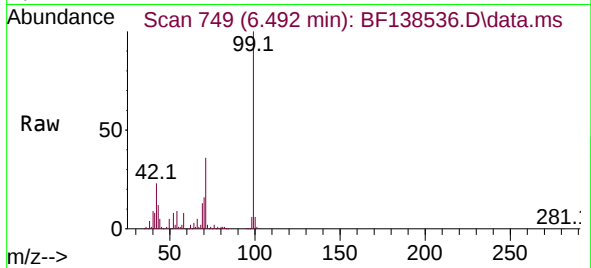




#7
Phenol-d6
Concen: 48.480 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF138536.D
Acq: 11 Jul 2024 21:53

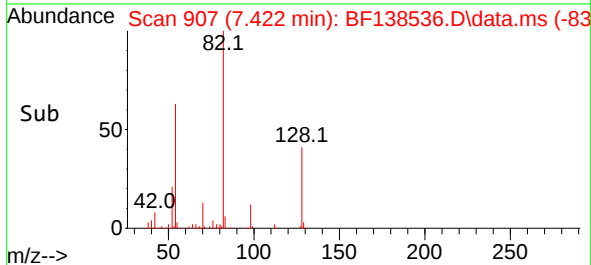
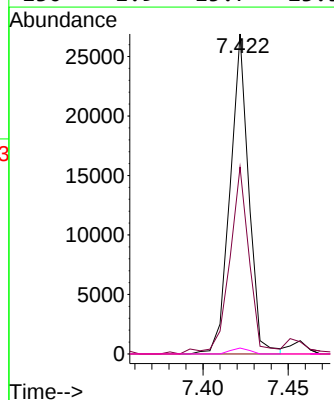
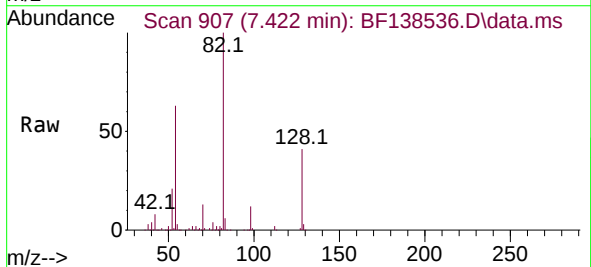
Instrument :
BNA_F
ClientSampleId :
MOO-23-00199

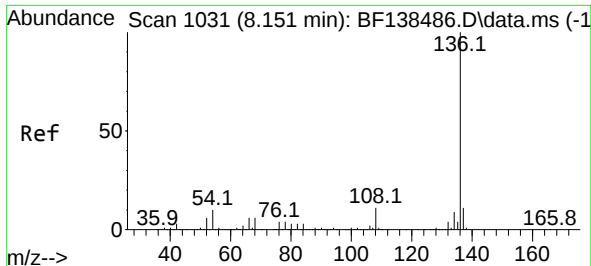
Tgt Ion: 99 Resp: 244218
Ion Ratio Lower Upper
99 100
42 23.5 19.7 29.5
71 35.8 29.9 44.9



#19
n-Nitroso-di-n-propylamine
Concen: 6.570 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF138536.D
Acq: 11 Jul 2024 21:53

Tgt Ion: 70 Resp: 20450
Ion Ratio Lower Upper
70 100
42 58.4 62.4 93.6#
101 0.0 7.2 10.8#
130 1.9 15.7 23.5#

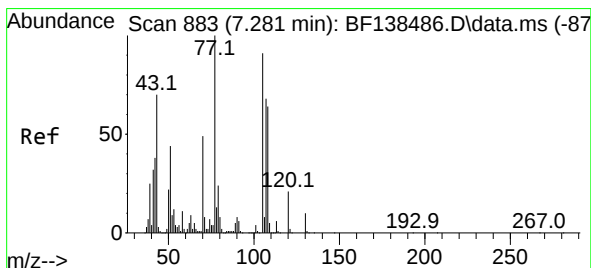
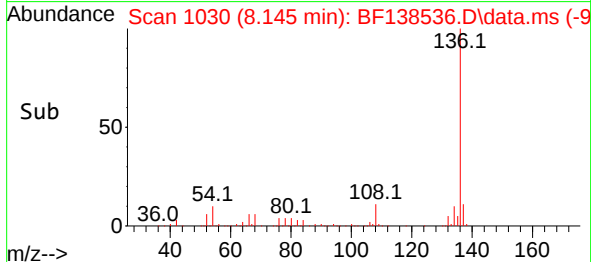
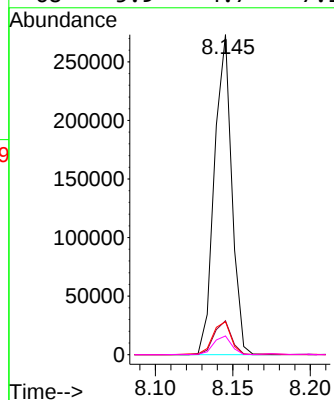
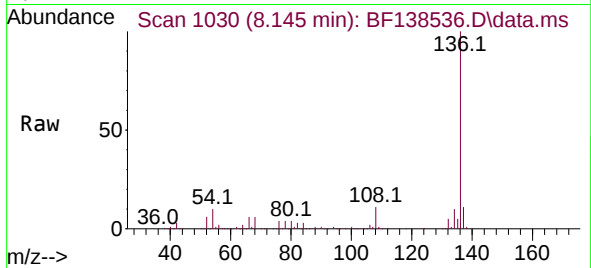




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF138536.D
Acq: 11 Jul 2024 21:53

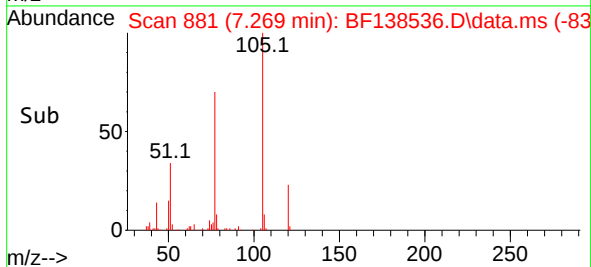
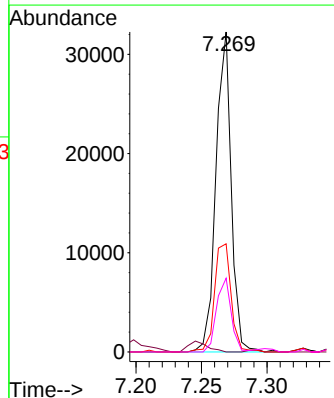
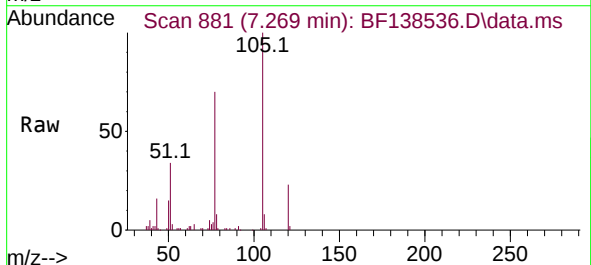
Instrument :
BNA_F
ClientSampleId :
MOO-23-00199

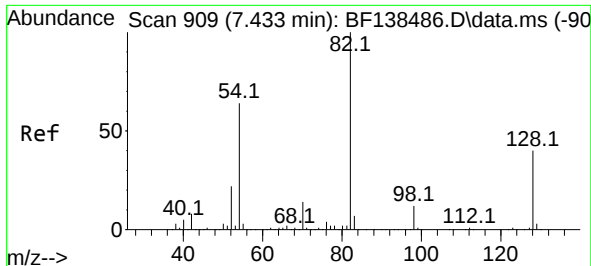
Tgt	Ion:136	Resp:	212551
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	10.3	8.1	12.1
68	5.9	4.7	7.1



#22
Acetophenone
Concen: 5.051 ng
RT: 7.269 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF138536.D
Acq: 11 Jul 2024 21:53

Tgt	Ion:105	Resp:	26077
Ion	Ratio	Lower	Upper
105	100		
71	0.0	7.4	11.2#
51	33.8	38.7	58.1#
120	23.1	18.2	27.2





#23

Nitrobenzene-d5

Concen: 34.639 ng

RT: 7.422 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF138536.D

Acq: 11 Jul 2024 21:53

Instrument :

BNA_F

ClientSampleId :

MOO-23-00199

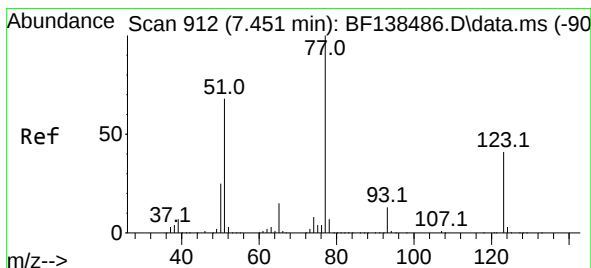
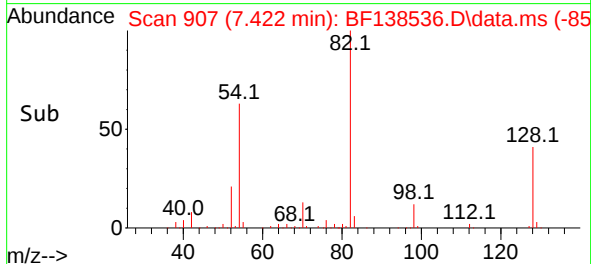
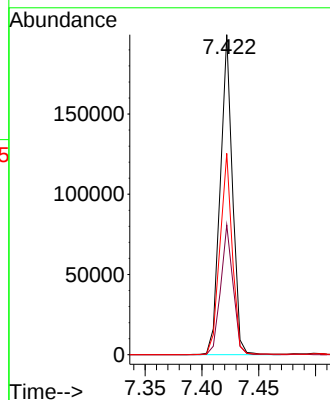
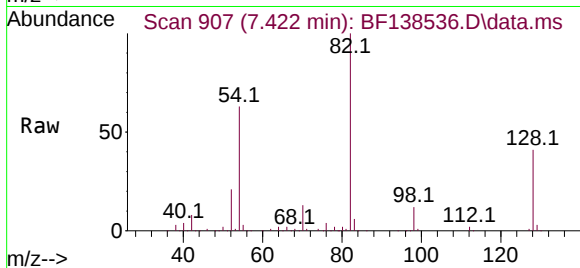
Tgt Ion: 82 Resp: 149956

Ion Ratio Lower Upper

82 100

128 40.6 32.3 48.5

54 62.9 51.4 77.0



#24

Nitrobenzene

Concen: 4.366 ng

RT: 7.269 min Scan# 881

Delta R.T. -0.182 min

Lab File: BF138536.D

Acq: 11 Jul 2024 21:53

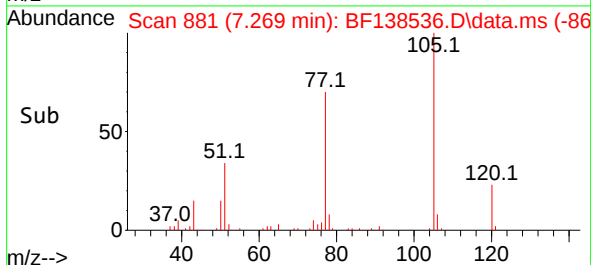
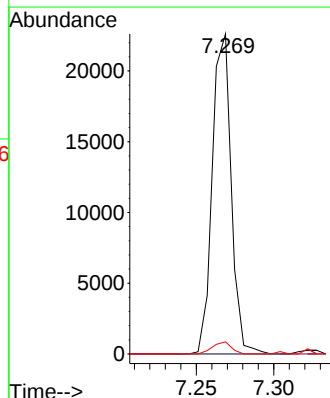
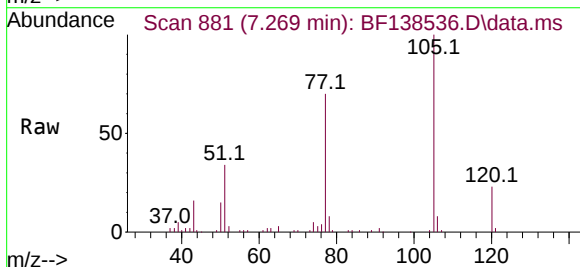
Tgt Ion: 77 Resp: 19208

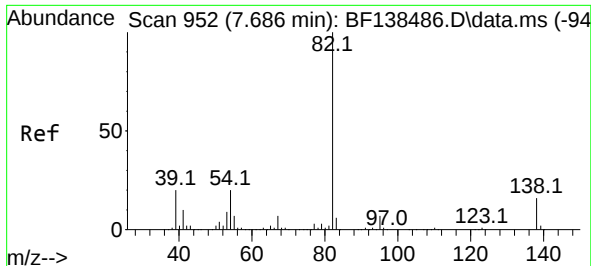
Ion Ratio Lower Upper

77 100

123 0.0 32.4 48.6#

65 3.8 11.8 17.8#

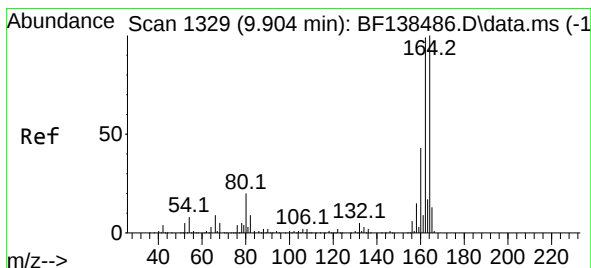
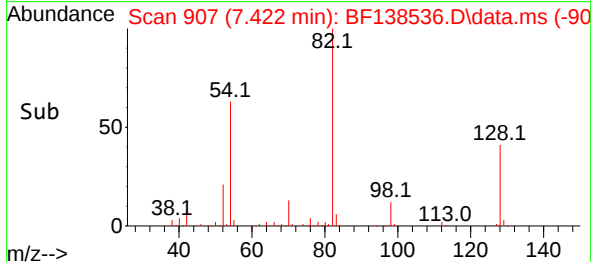
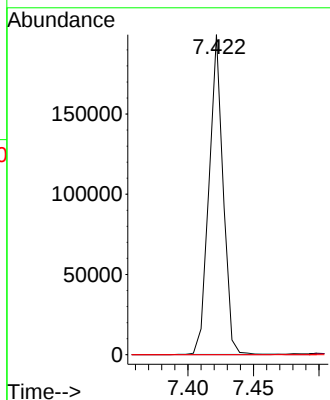
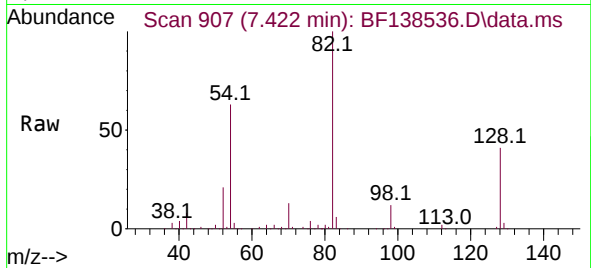




#25
Isophorone
Concen: 20.064 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138536.D
Acq: 11 Jul 2024 21:53

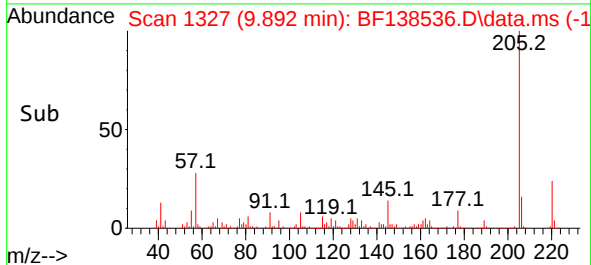
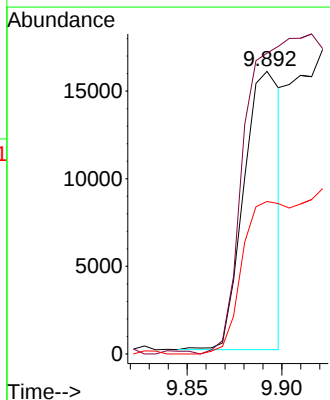
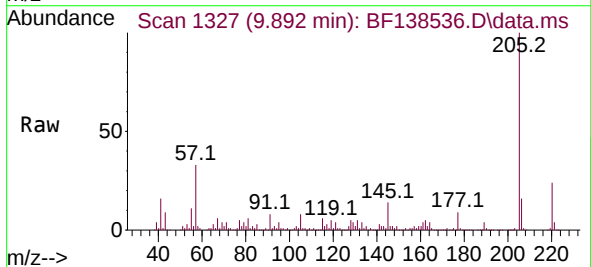
Instrument :
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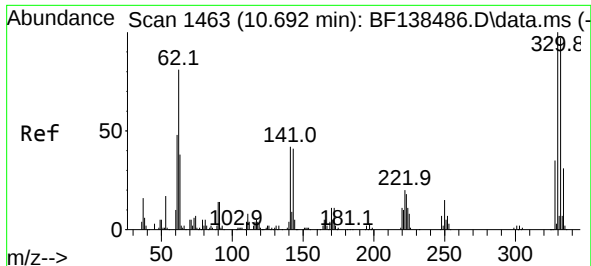
Tgt Ion: 82 Resp: 149166
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF138536.D
Acq: 11 Jul 2024 21:53

Tgt Ion:164 Resp: 21343
Ion Ratio Lower Upper
164 100
162 106.4 79.0 118.6
160 54.0 34.4 51.6#





#42

2,4,6-Tribromophenol

Concen: 233.497 ng

RT: 10.757 min Scan# 1463

Delta R.T. 0.065 min

Lab File: BF138536.D

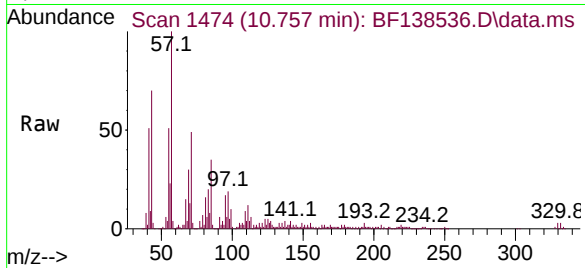
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Instrument :

BNA_F

ClientSampleId :

MOO-23-00199



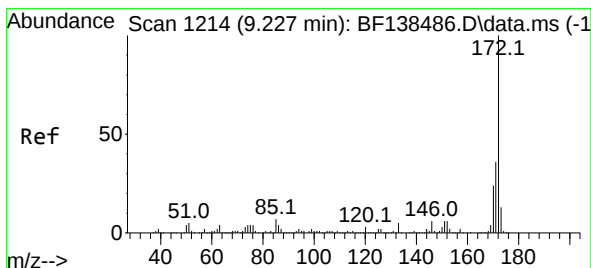
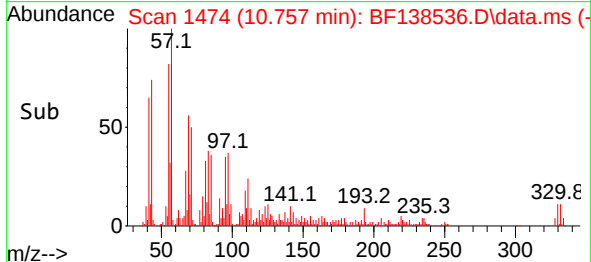
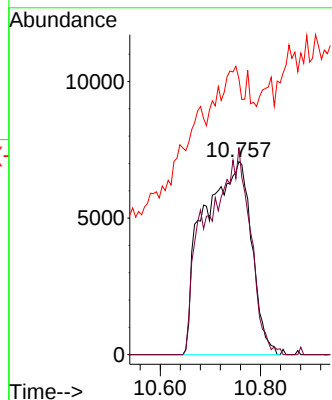
Tgt Ion:330 Resp: 46576

Ion Ratio Lower Upper

330 100

332 0.0 76.8 115.2#

141 0.0 29.4 44.2#



#45

2-Fluorobiphenyl

Concen: 190.214 ng

RT: 9.251 min Scan# 1218

Delta R.T. 0.024 min

Lab File: BF138536.D

Acq: 11 Jul 2024 21:53

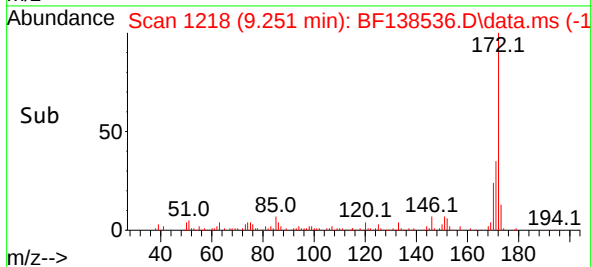
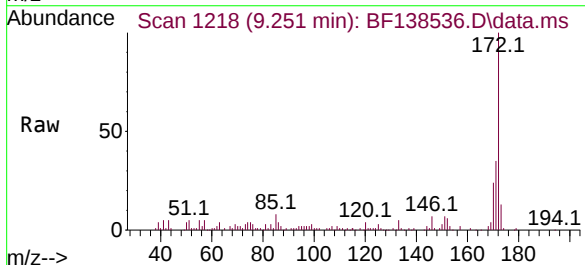
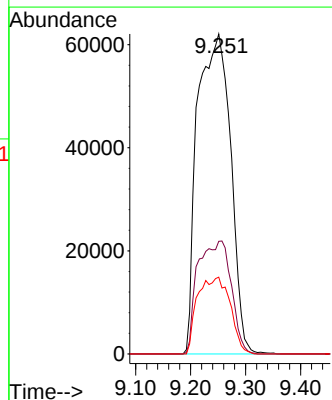
Tgt Ion:172 Resp: 259756

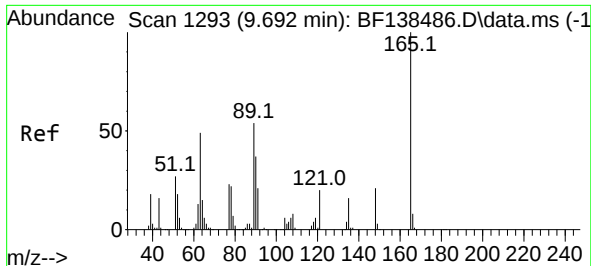
Ion Ratio Lower Upper

172 100

171 35.2 28.9 43.3

170 24.0 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 404.398 ng

RT: 9.680 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138536.D

Acq: 11 Jul 2024 21:53

Instrument :

BNA_F

ClientSampleId :

MOO-23-00199

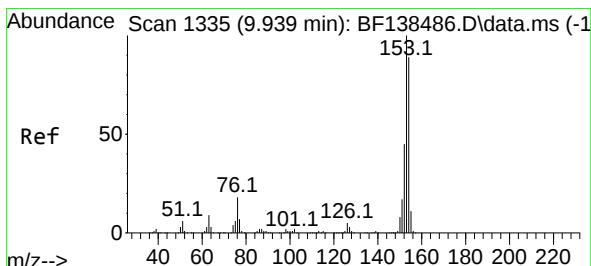
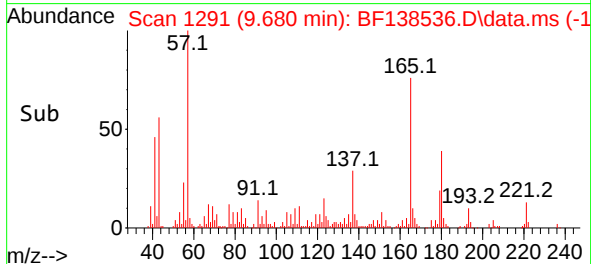
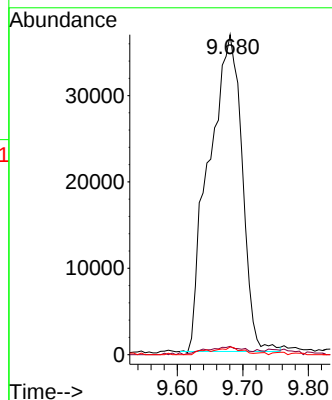
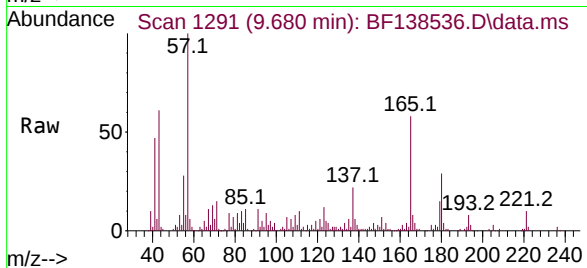
Tgt Ion:165 Resp: 128501

Ion Ratio Lower Upper

165 100

63 2.6 48.1 72.1#

89 2.4 43.0 64.6#



#52

Acenaphthene

Concen: 4.015 ng

RT: 9.916 min Scan# 1331

Delta R.T. -0.023 min

Lab File: BF138536.D

Acq: 11 Jul 2024 21:53

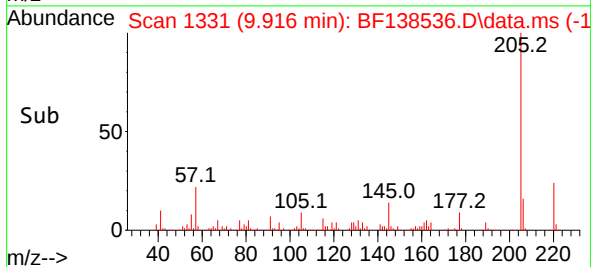
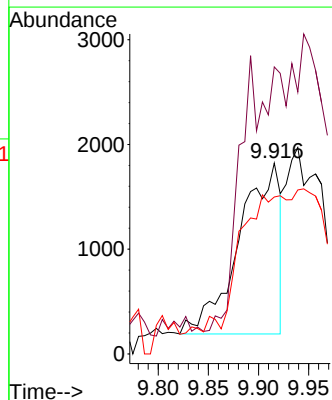
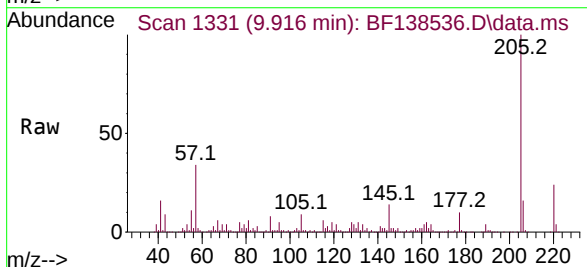
Tgt Ion:154 Resp: 4630

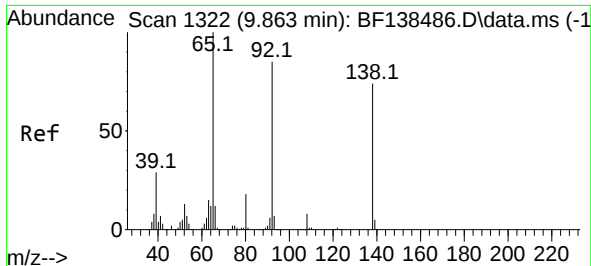
Ion Ratio Lower Upper

154 100

153 150.4 90.4 135.6#

152 82.3 41.1 61.7#

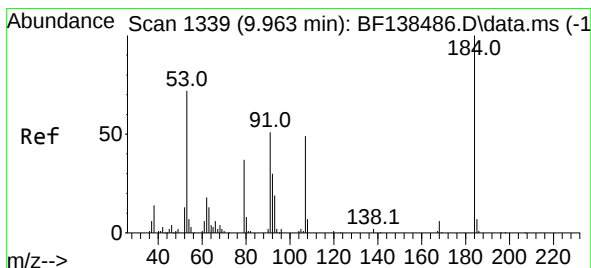
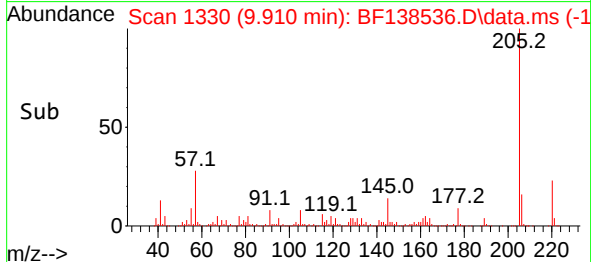
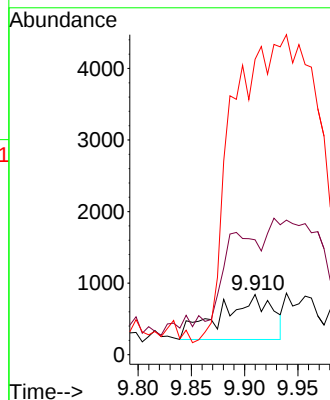
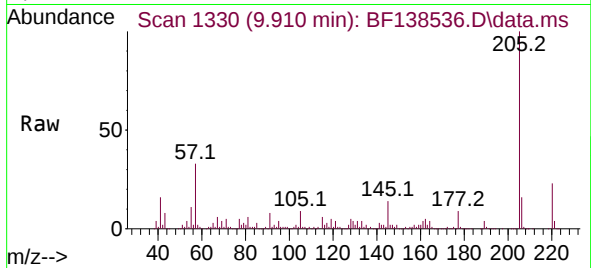




#53
3-Nitroaniline
Concen: 6.479 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.047 min
Lab File: BF138536.D
Acq: 11 Jul 2024 21:53

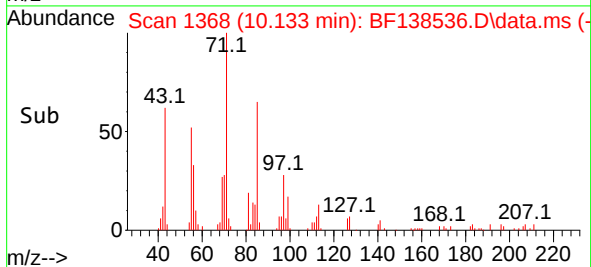
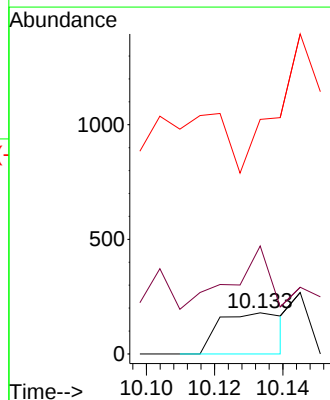
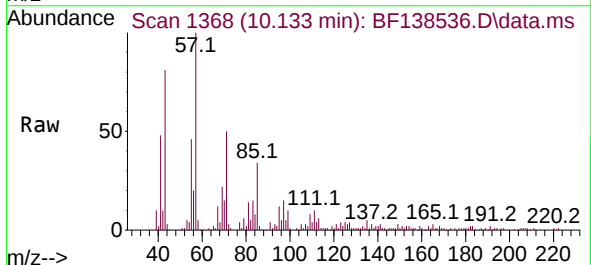
Instrument :
BNA_F
ClientSampleId :
MOO-23-00199

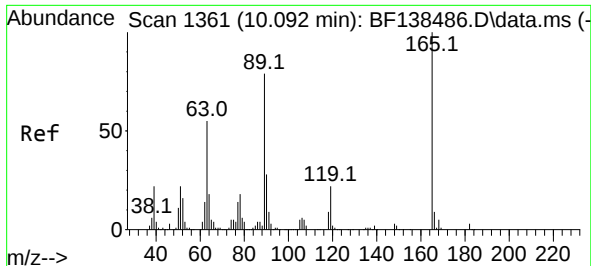
Tgt Ion:138 Resp: 2110
Ion Ratio Lower Upper
138 100
108 190.8 8.3 12.5#
92 490.7 92.6 138.8#



#54
2,4-Dinitrophenol
Concen: 5.965 ng
RT: 10.133 min Scan# 1368
Delta R.T. 0.170 min
Lab File: BF138536.D
Acq: 11 Jul 2024 21:53

Tgt Ion:184 Resp: 235
Ion Ratio Lower Upper
184 100
63 263.1 70.6 106.0#
154 571.5 53.8 80.6#

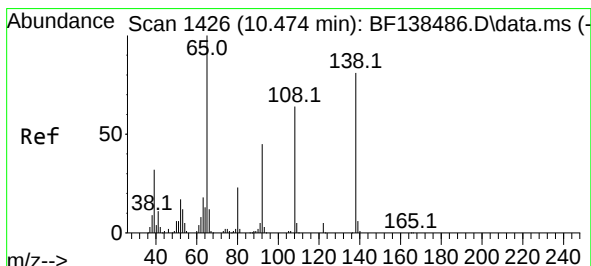
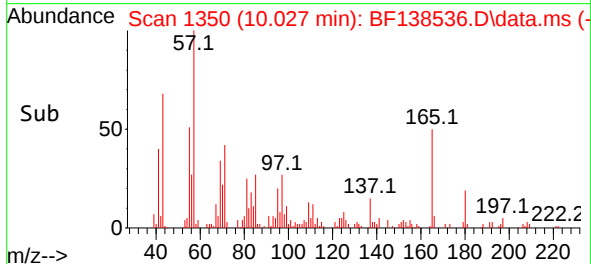
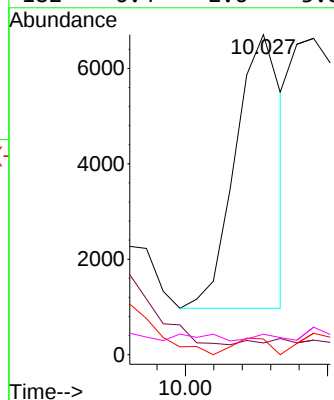
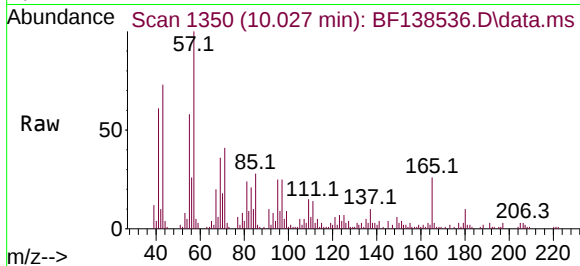




#57
2,4-Dinitrotoluene
Concen: 15.805 ng
RT: 10.027 min Scan# 11
Delta R.T. -0.065 min
Lab File: BF138536.D
Acq: 11 Jul 2024 21:53

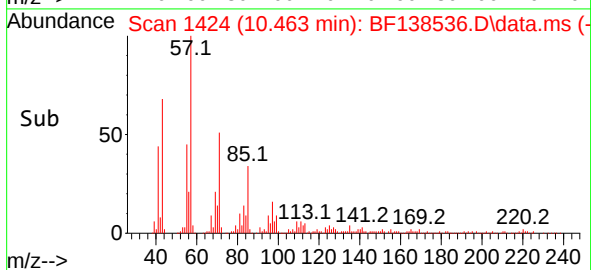
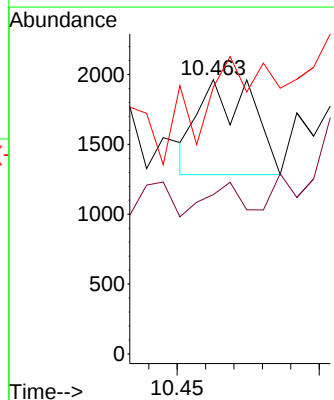
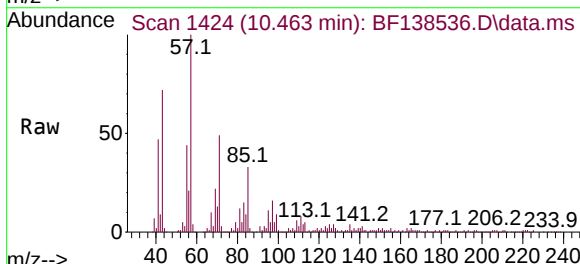
Instrument :
BNA_F
ClientSampleId :
MOO-23-00199

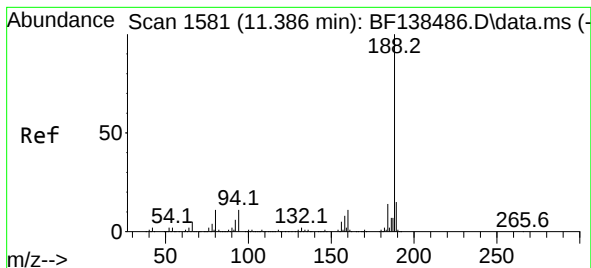
Tgt Ion:	165	Resp:	6498
Ion Ratio	Lower	Upper	
165	100		
63	3.7	44.6	66.8#
89	4.9	63.4	95.2#
182	6.4	2.6	3.8#



#62
4-Nitroaniline
Concen: 2.678 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.012 min
Lab File: BF138536.D
Acq: 11 Jul 2024 21:53

Tgt Ion:	138	Resp:	874
Ion Ratio	Lower	Upper	
138	100		
92	58.1	35.8	75.8
108	97.2	59.8	99.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138536.D

Acq: 11 Jul 2024 21:53

Instrument :

BNA_F

ClientSampleId :

MOO-23-00199

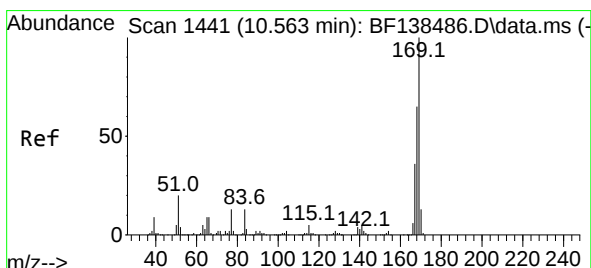
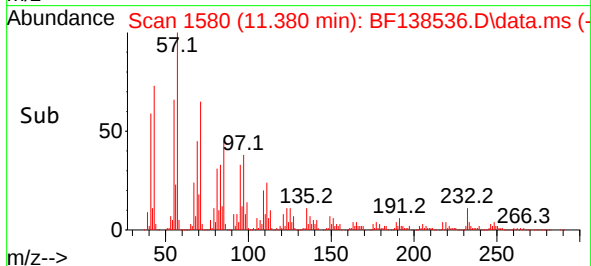
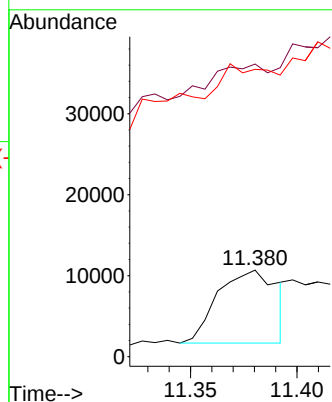
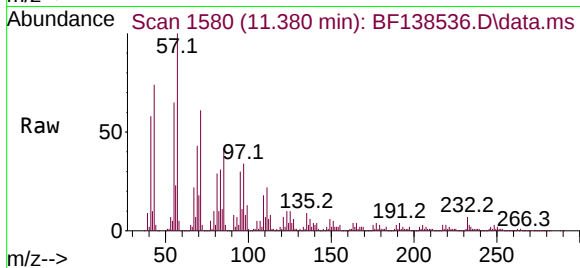
Tgt Ion:188 Resp: 17420

Ion Ratio Lower Upper

188 100

94 338.1 8.7 13.1#

80 331.9 9.0 13.4#



#66

n-Nitrosodiphenylamine

Concen: 4.095 ng

RT: 10.374 min Scan# 1409

Delta R.T. -0.188 min

Lab File: BF138536.D

Acq: 11 Jul 2024 21:53

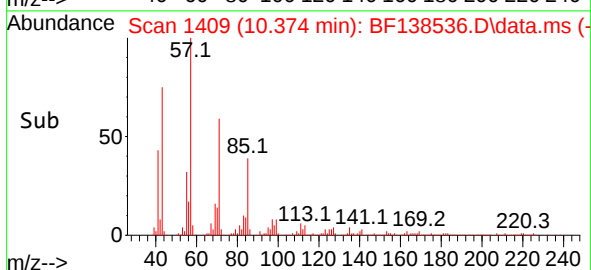
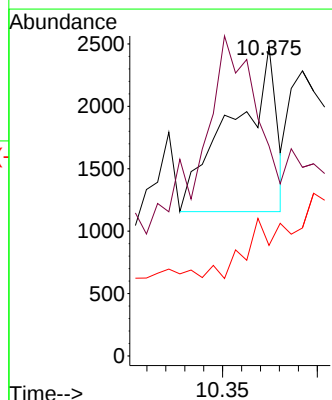
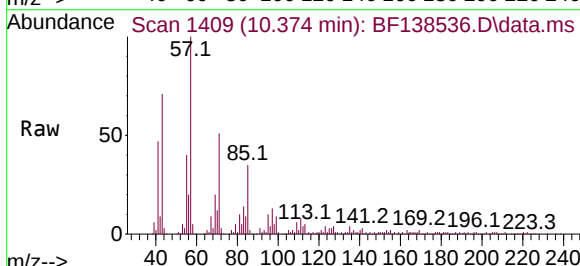
Tgt Ion:169 Resp: 2137

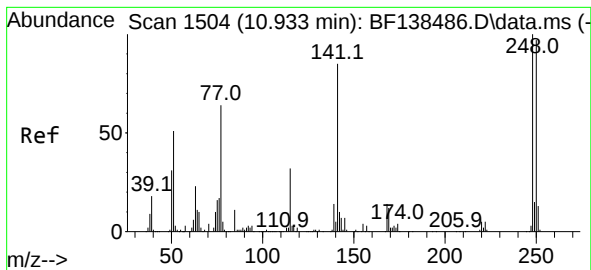
Ion Ratio Lower Upper

169 100

168 67.8 51.7 77.5

167 35.7 28.5 42.7

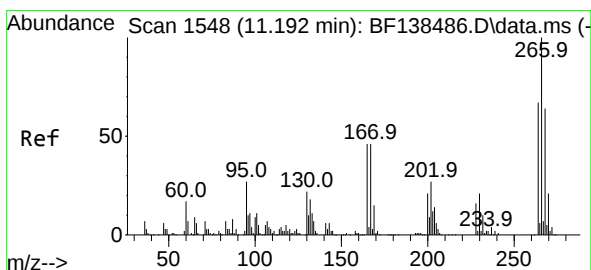
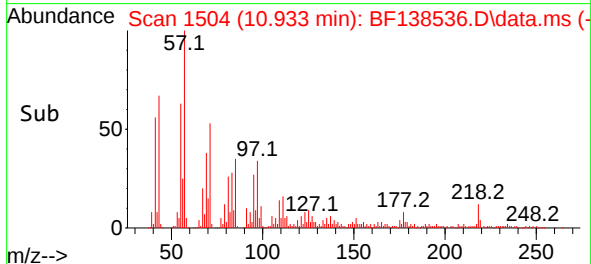
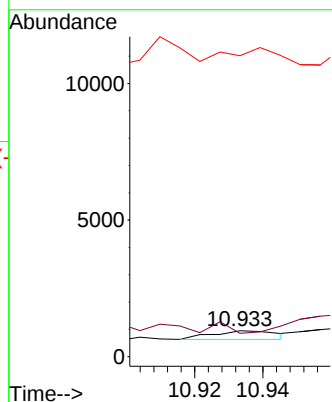
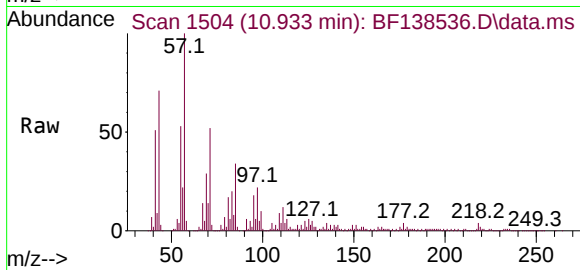




#67
4-Bromophenyl-phenylether
Concen: 2.312 ng
RT: 10.933 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BF138536.D
Acq: 11 Jul 2024 21:53

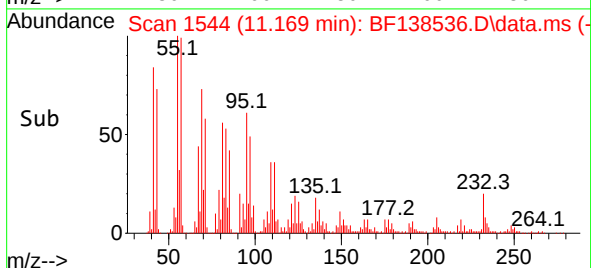
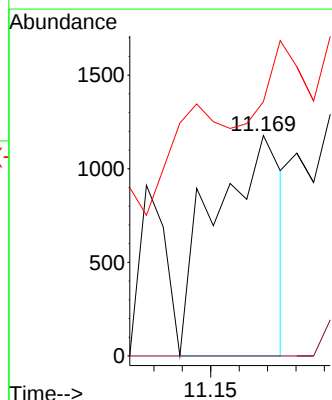
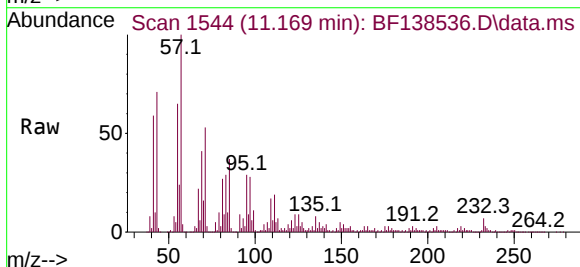
Instrument :
BNA_F
ClientSampleId :
MOO-23-00199

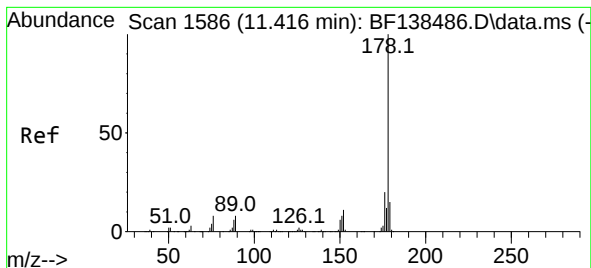
Tgt Ion:248 Resp: 414
Ion Ratio Lower Upper
248 100
250 89.6 77.9 116.9
141 1157.2 67.7 101.5#



#70
Pentachlorophenol
Concen: 16.542 ng
RT: 11.169 min Scan# 1544
Delta R.T. -0.023 min
Lab File: BF138536.D
Acq: 11 Jul 2024 21:53

Tgt Ion:266 Resp: 1947
Ion Ratio Lower Upper
266 100
268 0.0 50.9 76.3#
264 115.3 53.5 80.3#





#71

Phenanthrene

Concen: 2.979 ng

RT: 11.263 min Scan# 11

Delta R.T. -0.153 min

Lab File: BF138536.D

Acq: 11 Jul 2024 21:53

Instrument :

BNA_F

ClientSampleId :

MOO-23-00199

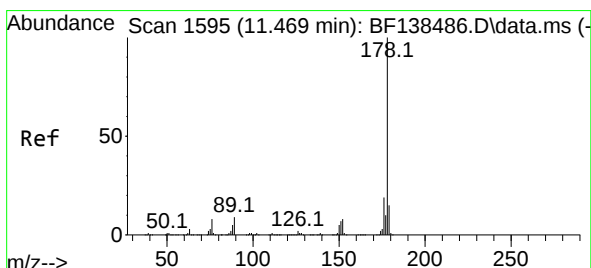
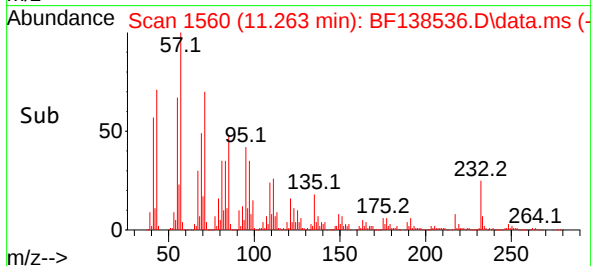
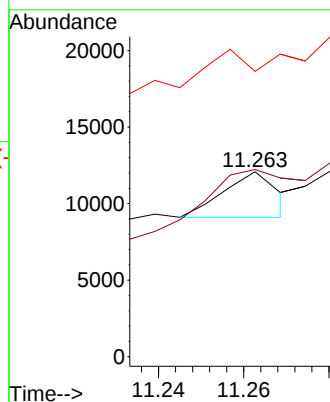
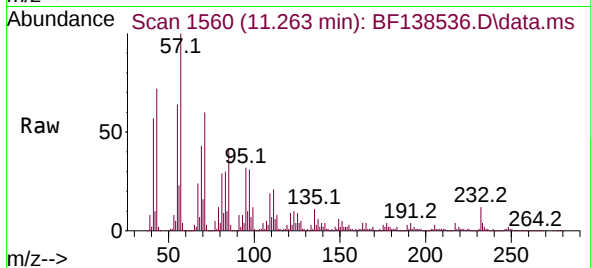
Tgt Ion:178 Resp: 2622

Ion Ratio Lower Upper

178 100

176 101.2 15.7 23.5#

179 154.3 12.2 18.2#



#72

Anthracene

Concen: 3.001 ng

RT: 11.263 min Scan# 1560

Delta R.T. -0.206 min

Lab File: BF138536.D

Acq: 11 Jul 2024 21:53

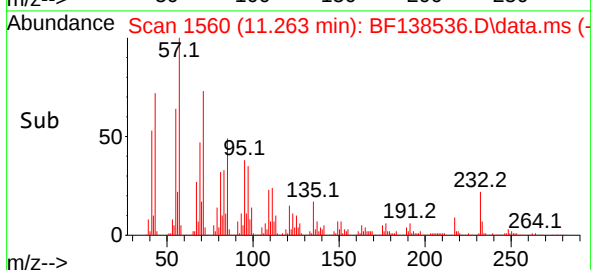
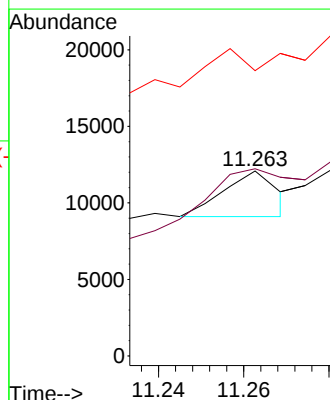
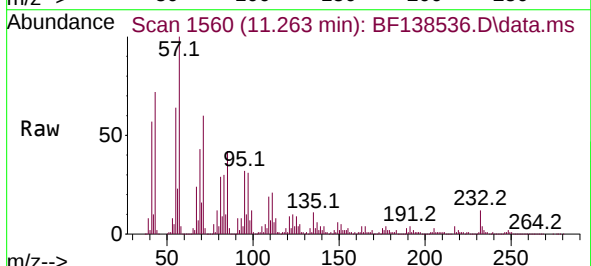
Tgt Ion:178 Resp: 2622

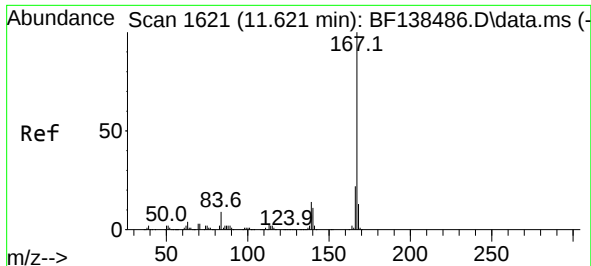
Ion Ratio Lower Upper

178 100

176 101.2 14.8 22.2#

179 154.3 12.2 18.4#

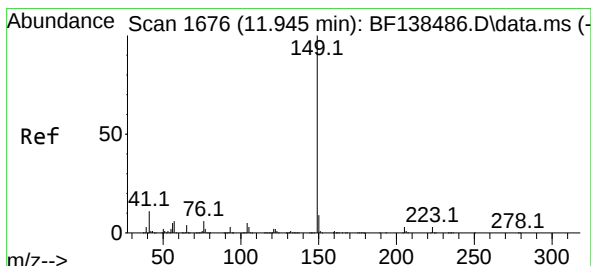
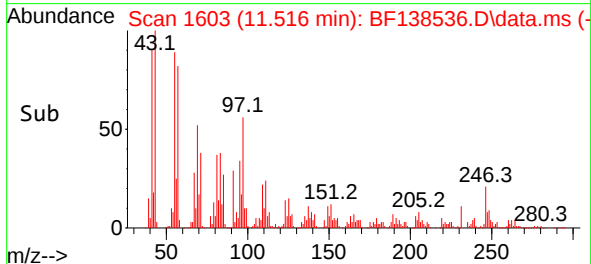
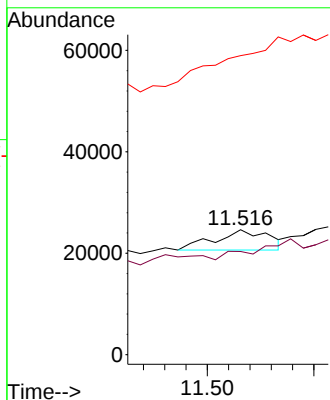
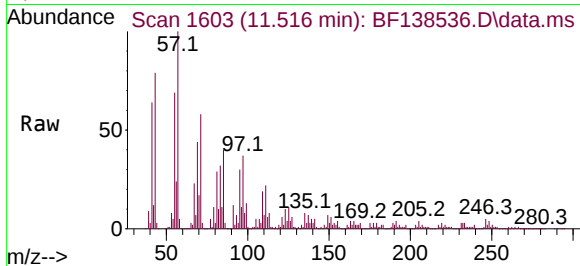




#73
 Carbazole
 Concen: 8.925 ng
 RT: 11.516 min Scan# 1
 Delta R.T. -0.106 min
 Lab File: BF138536.D
 Acq: 11 Jul 2024 21:53

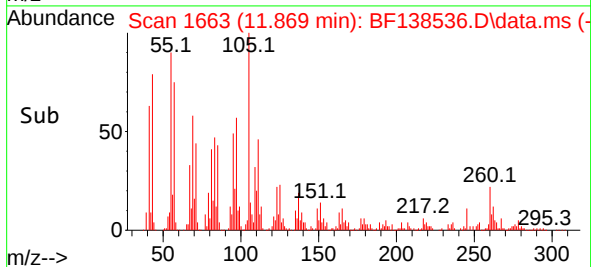
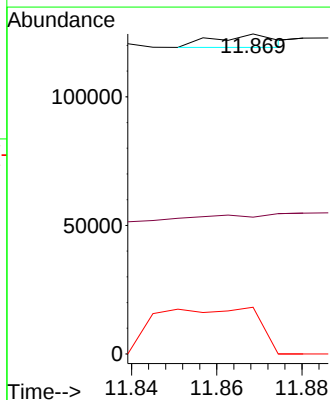
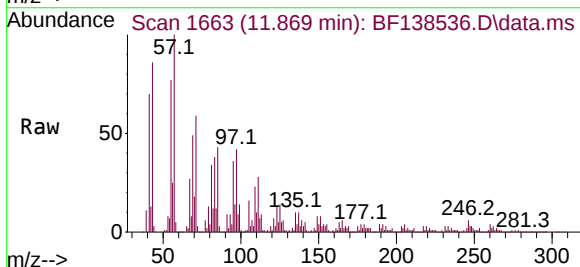
Instrument :
 BNA_F
 ClientSampleId :
 MOO-23-00199

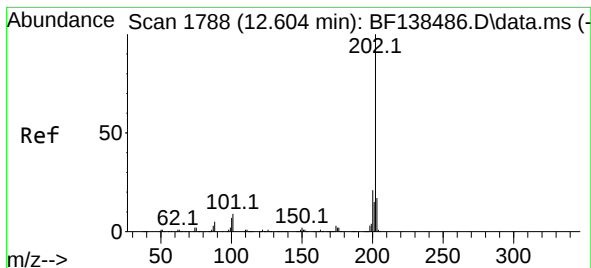
Tgt Ion:167 Resp: 7007
 Ion Ratio Lower Upper
 167 100
 166 82.6 17.8 26.6#
 139 239.3 11.0 16.4#



#74
 Di-n-butylphthalate
 Concen: 5.651 ng
 RT: 11.869 min Scan# 1663
 Delta R.T. -0.076 min
 Lab File: BF138536.D
 Acq: 11 Jul 2024 21:53

Tgt Ion:149 Resp: 5114
 Ion Ratio Lower Upper
 149 100
 150 42.7 7.4 11.0#
 104 14.6 4.4 6.6#





#75

Fluoranthene

Concen: 16.879 ng

RT: 12.563 min Scan# 1

Delta R.T. -0.041 min

Lab File: BF138536.D

Acq: 11 Jul 2024 21:53

Instrument :

BNA_F

ClientSampleId :

MOO-23-00199

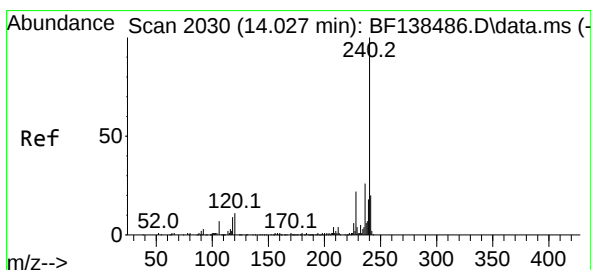
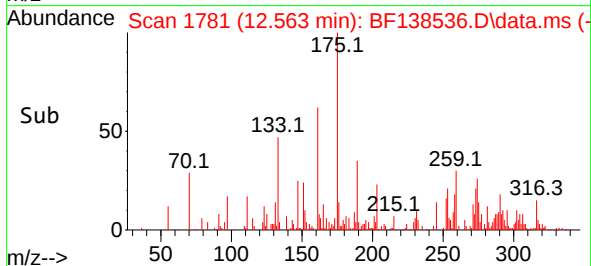
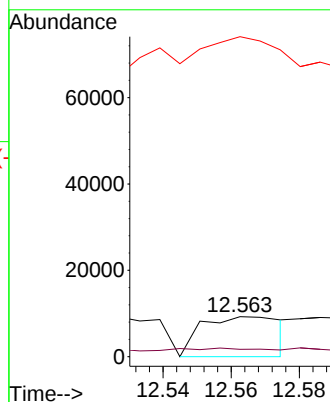
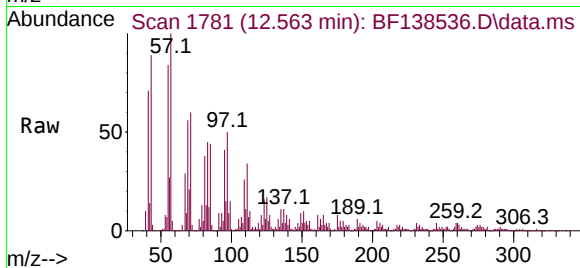
Tgt Ion:202 Resp: 15158

Ion Ratio Lower Upper

202 100

101 18.4 0.0 29.2

203 801.0 0.0 37.3#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 2038

Delta R.T. 0.047 min

Lab File: BF138536.D

Acq: 11 Jul 2024 21:53

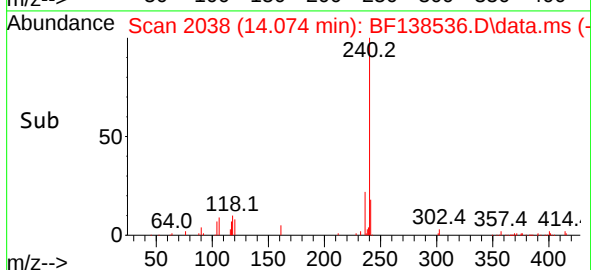
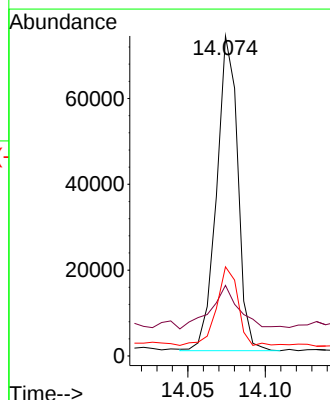
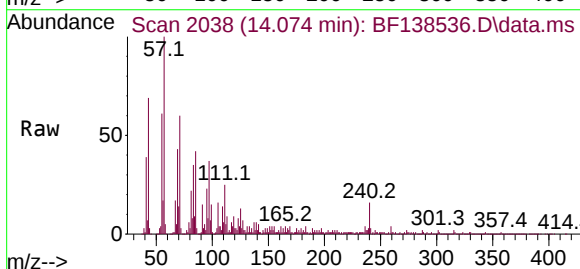
Tgt Ion:240 Resp: 69660

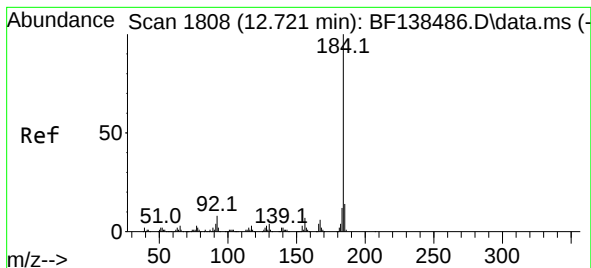
Ion Ratio Lower Upper

240 100

120 22.1 8.6 12.8#

236 27.9 21.0 31.6





#77

Benzidine

Concen: 2.461 ng

RT: 12.816 min Scan# 1824

Delta R.T. 0.095 min

Lab File: BF138536.D

Acq: 11 Jul 2024 21:53

Instrument :

BNA_F

ClientSampleId :

MOO-23-00199

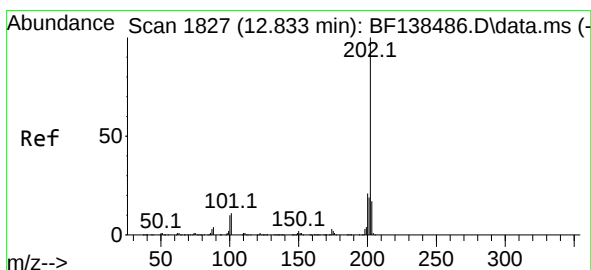
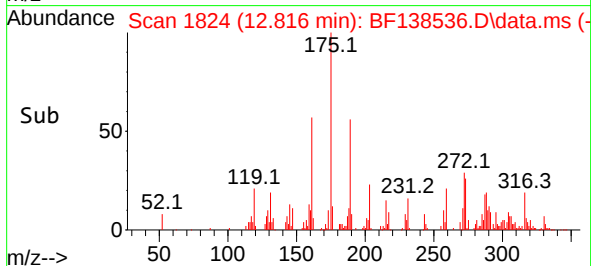
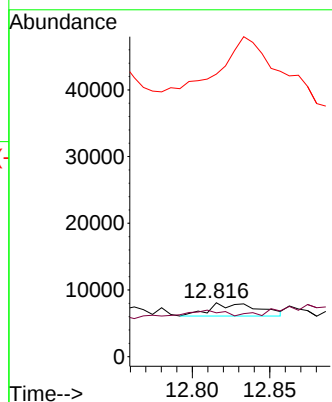
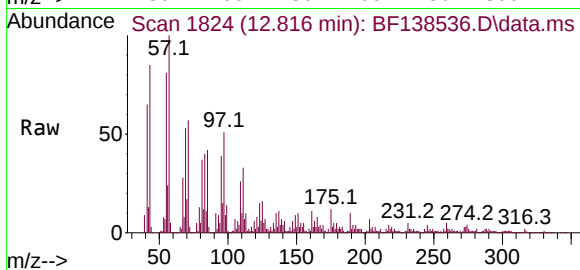
Tgt Ion:184 Resp: 4326

Ion Ratio Lower Upper

184 100

185 81.2 11.3 16.9#

183 523.8 9.5 14.3#



#78

Pyrene

Concen: 2.465 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.106 min

Lab File: BF138536.D

Acq: 11 Jul 2024 21:53

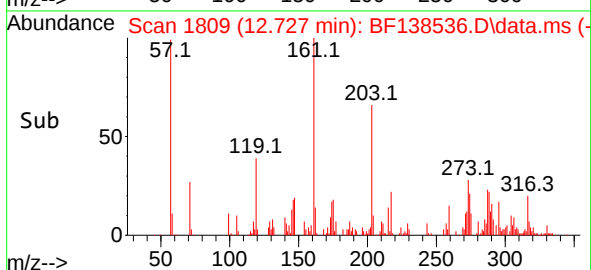
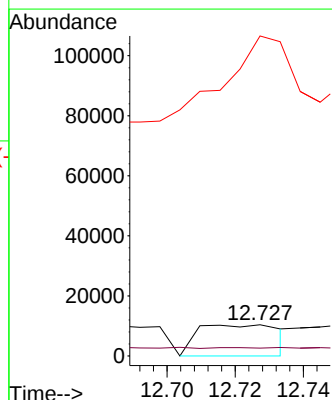
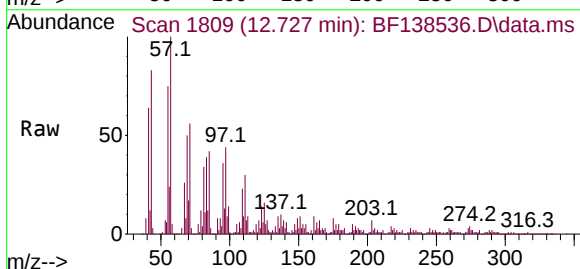
Tgt Ion:202 Resp: 17428

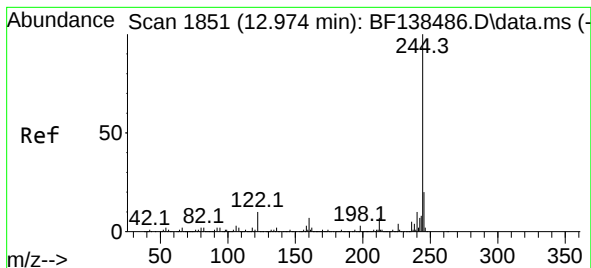
Ion Ratio Lower Upper

202 100

200 25.0 17.0 25.6

203 1026.4 13.7 20.5#





#79

Terphenyl-d14

Concen: 1.516 ng

RT: 12.939 min Scan# 1845

Delta R.T. -0.035 min

Lab File: BF138536.D

Acq: 11 Jul 2024 21:53

Instrument :

BNA_F

ClientSampleId :

MOO-23-00199

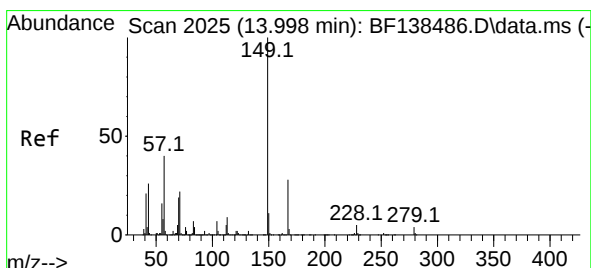
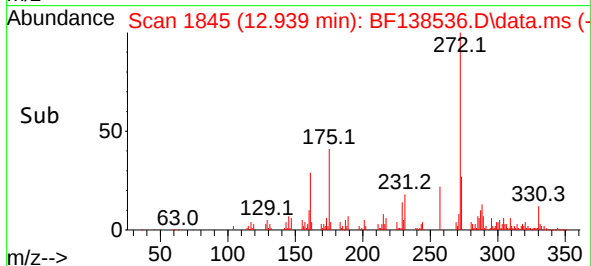
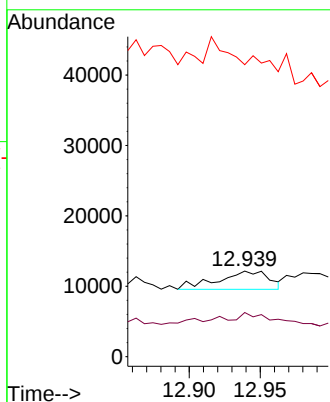
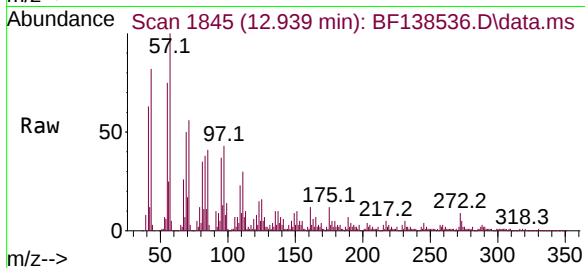
Tgt Ion:244 Resp: 6482

Ion Ratio Lower Upper

244 100

212 51.6 5.5 8.3#

122 340.8 7.8 11.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.848 ng

RT: 14.021 min Scan# 2029

Delta R.T. 0.024 min

Lab File: BF138536.D

Acq: 11 Jul 2024 21:53

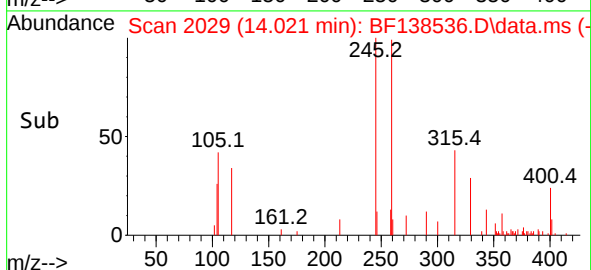
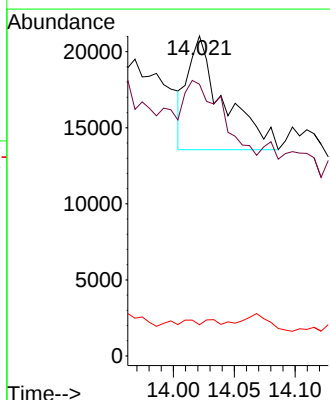
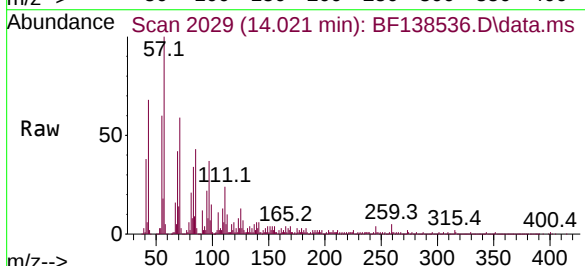
Tgt Ion:149 Resp: 15537

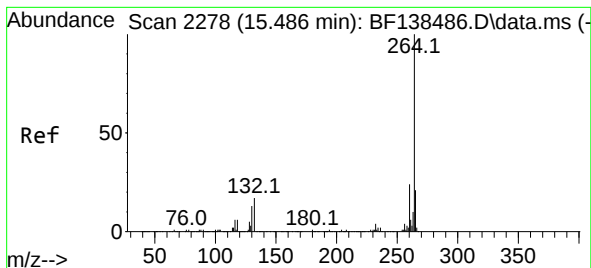
Ion Ratio Lower Upper

149 100

167 84.9 22.5 33.7#

279 9.8 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138536.D

Acq: 11 Jul 2024 21:53

Instrument :

BNA_F

ClientSampleId :

MOO-23-00199

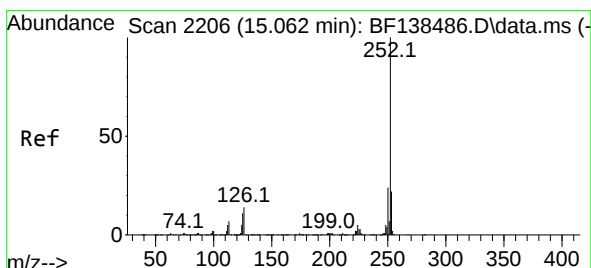
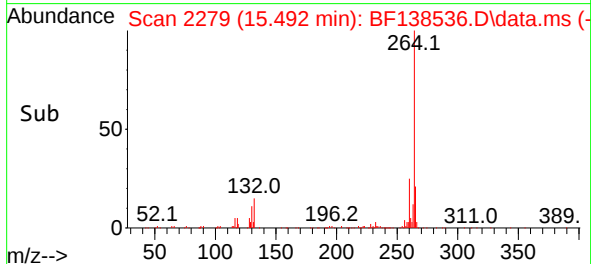
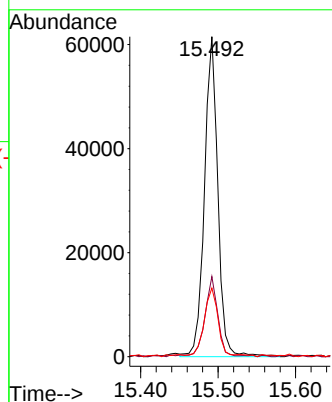
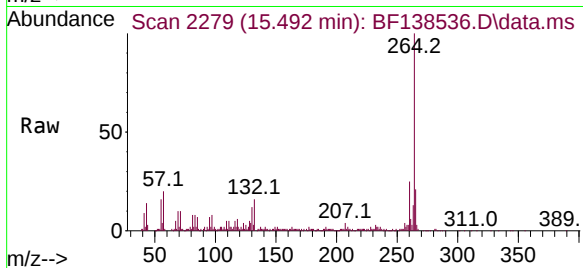
Tgt Ion:264 Resp: 73850

Ion Ratio Lower Upper

264 100

260 25.1 19.0 28.6

265 21.4 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 2.322 ng

RT: 15.068 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF138536.D

Acq: 11 Jul 2024 21:53

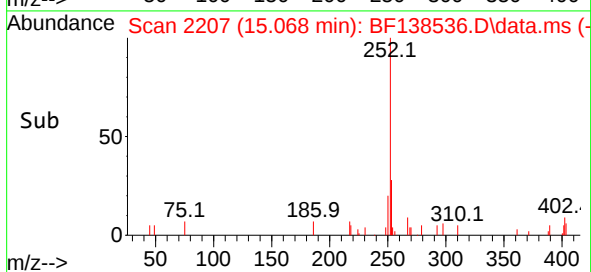
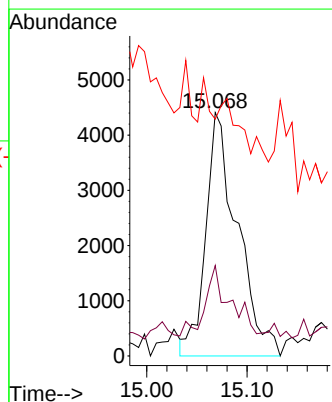
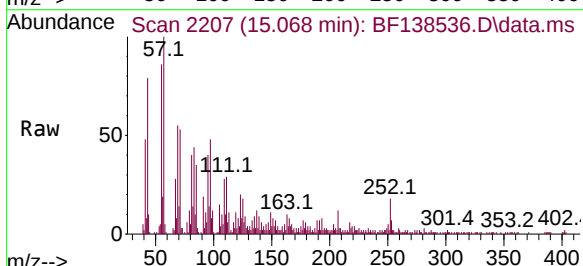
Tgt Ion:252 Resp: 9658

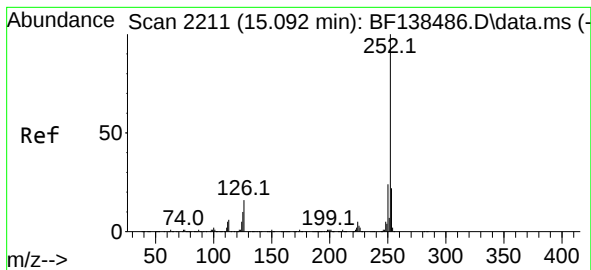
Ion Ratio Lower Upper

252 100

253 37.1 17.3 25.9#

125 97.3 8.6 13.0#





#89

Benzo(k)fluoranthene

Concen: 2.381 ng

RT: 15.068 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF138536.D

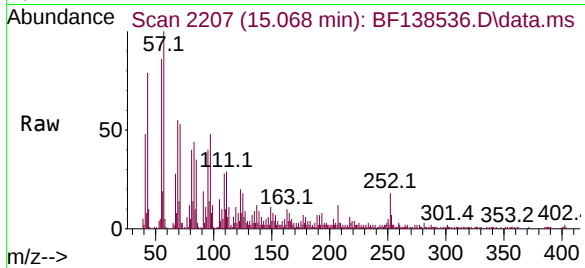
Acq: 11 Jul 2024 21:53

Instrument :

BNA_F

ClientSampleId :

MOO-23-00199



Tgt Ion:252 Resp: 9658

Ion Ratio Lower Upper

252 100

253 37.1 17.7 26.5#

125 97.3 8.1 12.1#

