

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071124\
 Data File : BF138534.D
 Acq On : 11 Jul 2024 20:52
 Operator : CG\JU
 Sample : P3208-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 352

Quant Time: Jul 12 01:14:34 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)

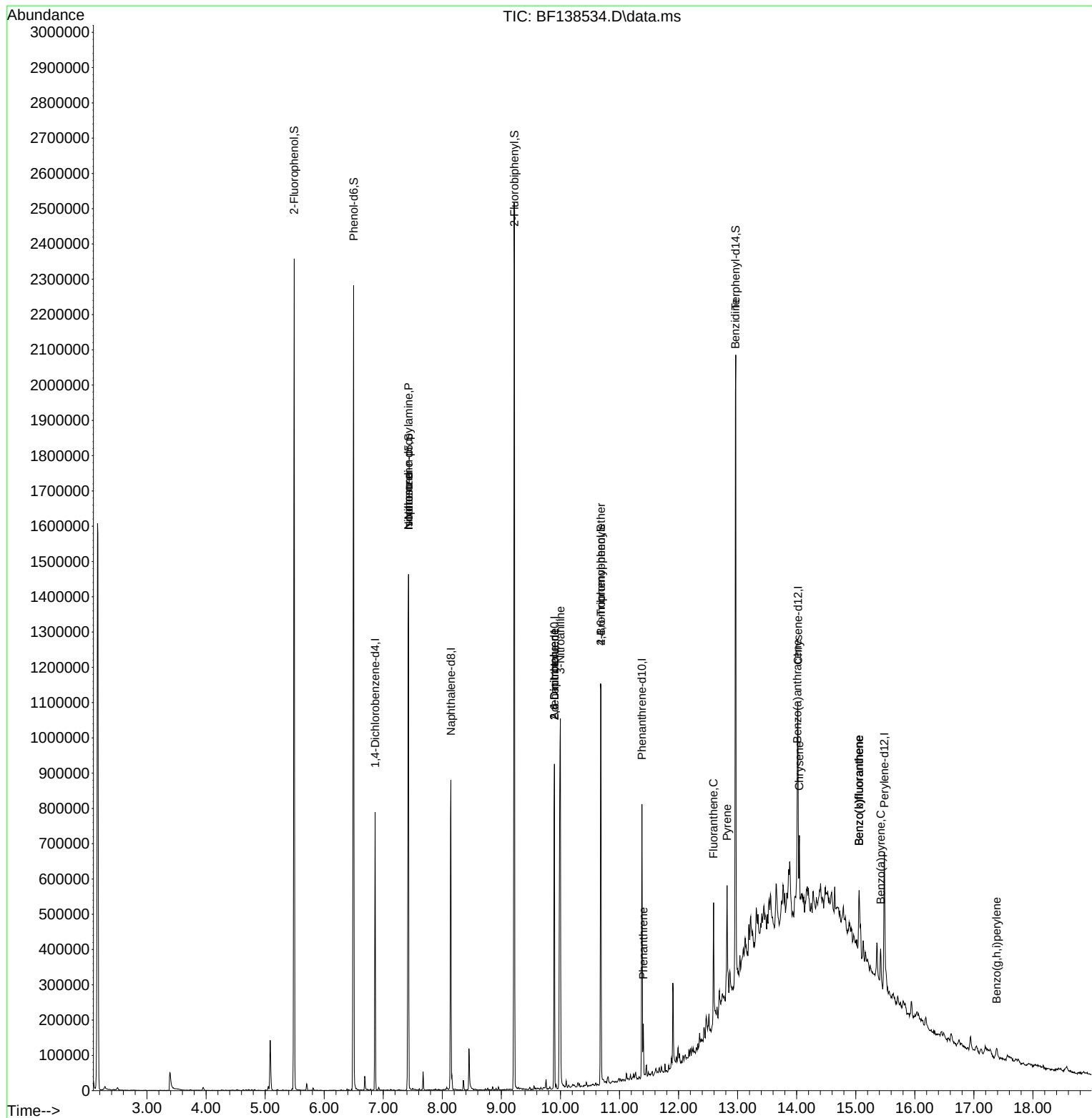
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	93132	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	367441	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	180376	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	257051	20.000	ng	0.00
76) Chrysene-d12	14.021	240	179480	20.000	ng	0.00
86) Perylene-d12	15.486	264	190890	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	533246	90.681	ng	0.00
7) Phenol-d6	6.498	99	690845	88.312	ng	0.00
23) Nitrobenzene-d5	7.428	82	465634	62.218	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	129155	76.614	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	778021	67.413	ng	0.00
79) Terphenyl-d14	12.968	244	601239	54.574	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	63188	13.072	ng	# 75
25) Isophorone	7.428	82	465627	36.230	ng	# 67
51) 2,6-Dinitrotoluene	9.898	165	23451	8.733	ng	# 23
53) 3-Nitroaniline	9.998	138	8493	3.086	ng	# 4
57) 2,4-Dinitrotoluene	9.898	165	23451	6.749	ng	# 18
67) 4-Bromophenyl-phenylether	10.686	248	8831	3.343	ng	# 1
71) Phenanthrene	11.404	178	48280	3.718	ng	97
75) Fluoranthene	12.592	202	121765	9.189	ng	99
77) Benzidine	12.963	184	9215	2.035	ng	96
78) Pyrene	12.821	202	122685	6.734	ng	98
81) Benzo(a)anthracene	14.010	228	62102	5.157	ng	93
83) Chrysene	14.045	228	83630	7.341	ng	97
88) Benzo(b)fluoranthene	15.057	252	127566	11.866	ng	# 92
89) Benzo(k)fluoranthene	15.057	252	127566	12.167	ng	# 92
90) Benzo(a)pyrene	15.421	252	48743	5.161	ng	# 89
92) Benzo(g,h,i)perylene	17.386	276	23973	2.155	ng	# 89

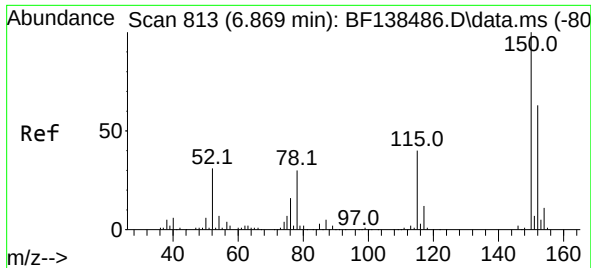
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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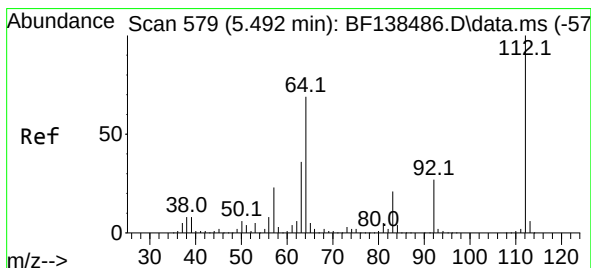
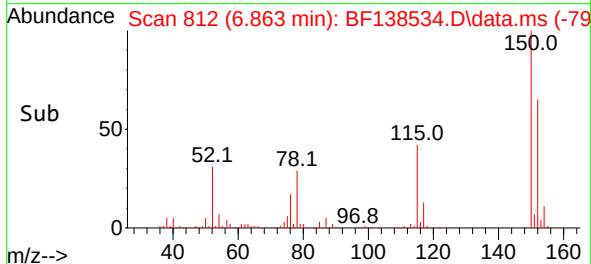
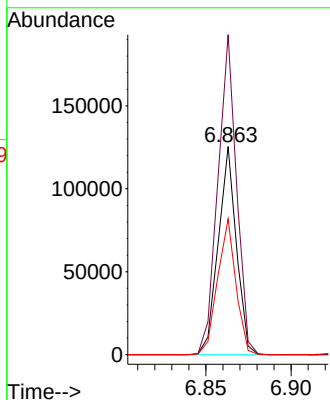
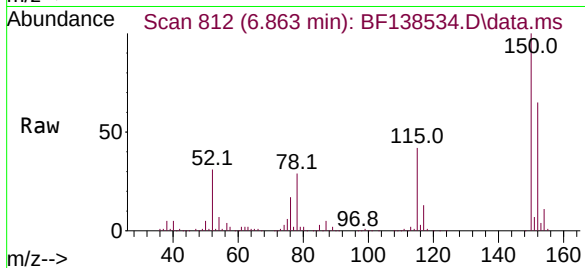




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF138534.D
Acq: 11 Jul 2024 20:52

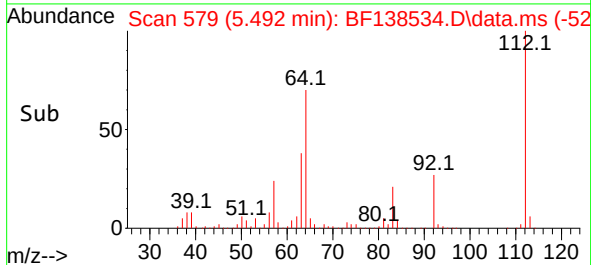
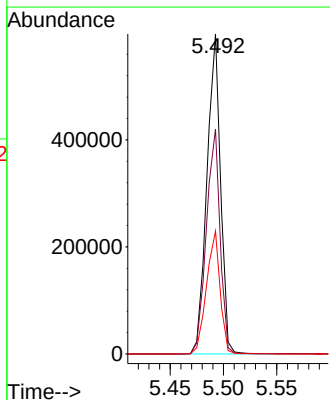
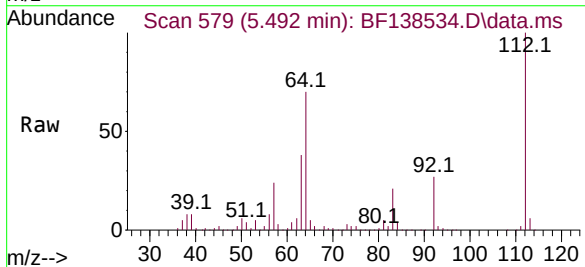
Instrument :
BNA_F
ClientSampleId :
352

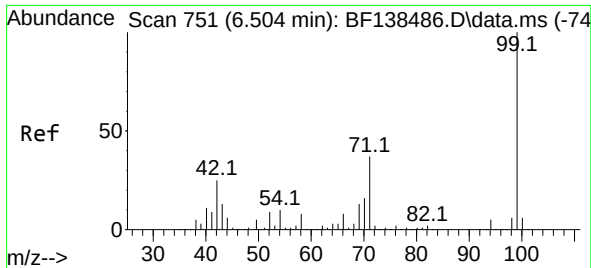
Tgt Ion:152 Resp: 93132
Ion Ratio Lower Upper
152 100
150 153.7 126.2 189.4
115 65.2 50.3 75.5



#5
2-Fluorophenol
Concen: 90.681 ng
RT: 5.492 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF138534.D
Acq: 11 Jul 2024 20:52

Tgt Ion:112 Resp: 533246
Ion Ratio Lower Upper
112 100
64 70.3 55.1 82.7
63 38.4 29.0 43.6

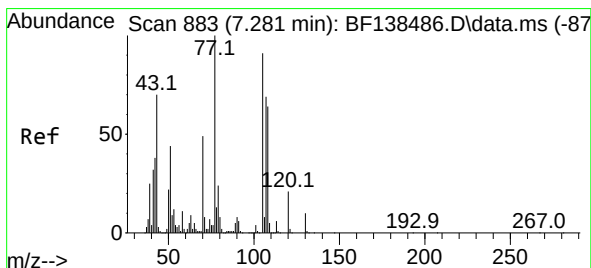
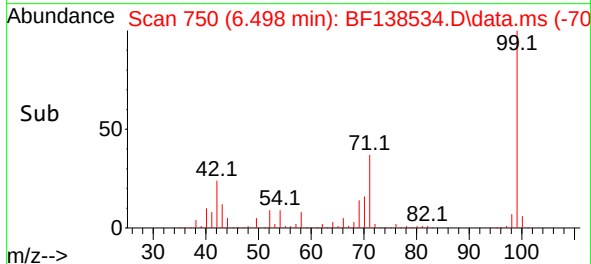
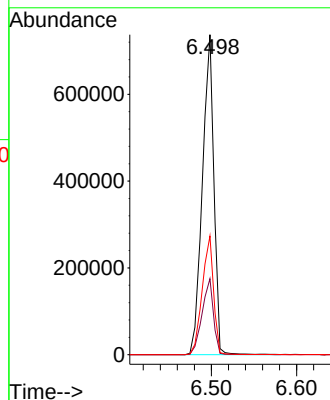
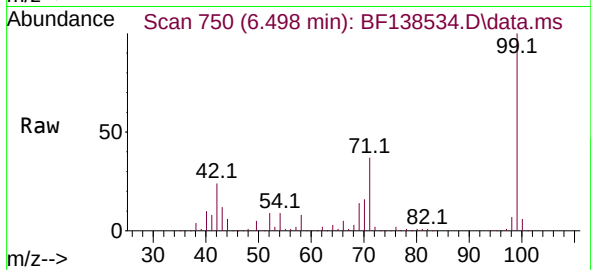




#7
Phenol-d6
Concen: 88.312 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138534.D
Acq: 11 Jul 2024 20:52

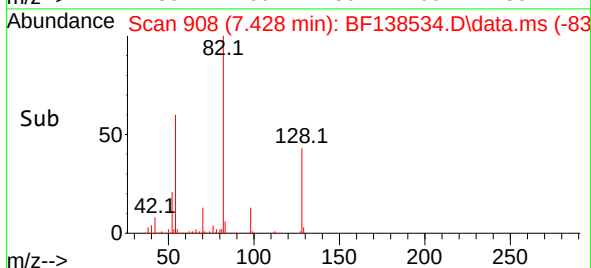
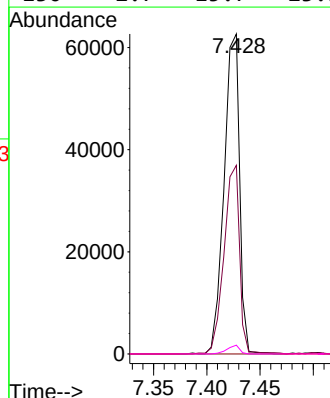
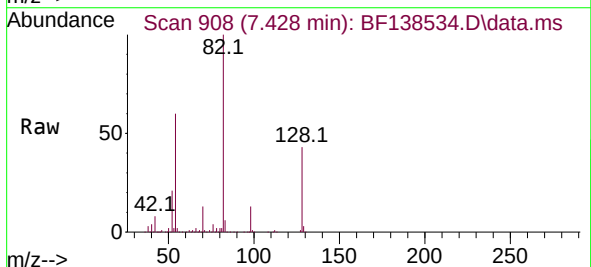
Instrument :
BNA_F
ClientSampleId :
352

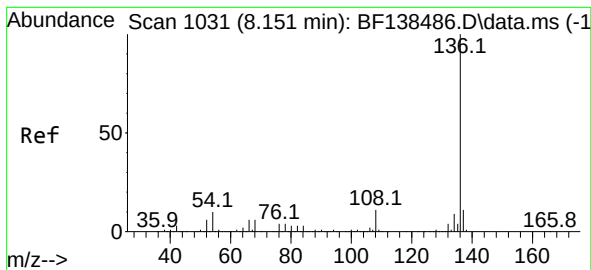
Tgt Ion: 99 Resp: 690845
Ion Ratio Lower Upper
99 100
42 23.8 19.7 29.5
71 37.1 29.9 44.9



#19
n-Nitroso-di-n-propylamine
Concen: 13.072 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF138534.D
Acq: 11 Jul 2024 20:52

Tgt Ion: 70 Resp: 63188
Ion Ratio Lower Upper
70 100
42 59.0 62.4 93.6#
101 0.0 7.2 10.8#
130 2.7 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138534.D

Acq: 11 Jul 2024 20:52

Instrument :

BNA_F

ClientSampleId :

352

Tgt Ion:136 Resp: 367441

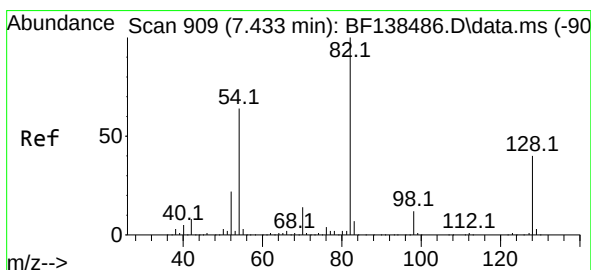
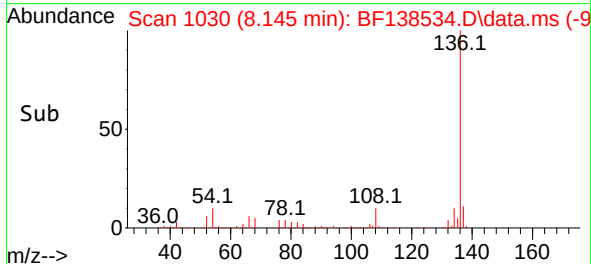
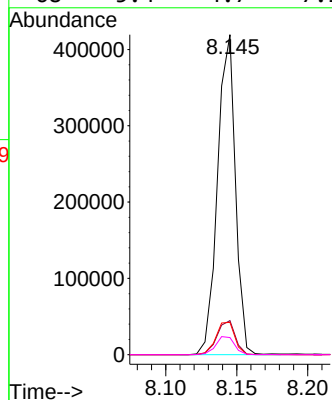
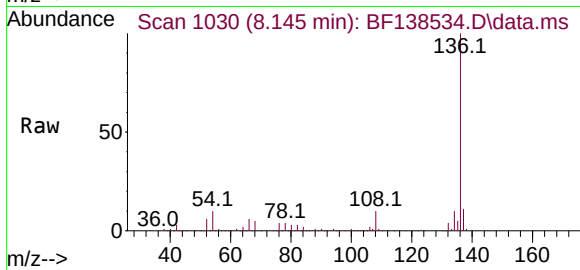
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 10.1 8.1 12.1

68 5.4 4.7 7.1



#23

Nitrobenzene-d5

Concen: 62.218 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF138534.D

Acq: 11 Jul 2024 20:52

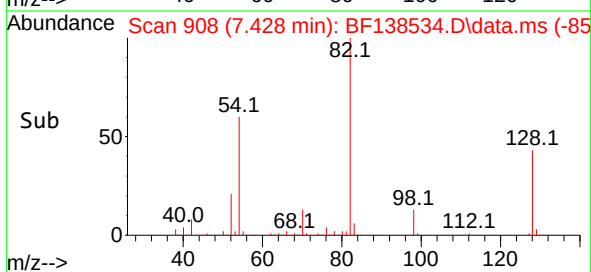
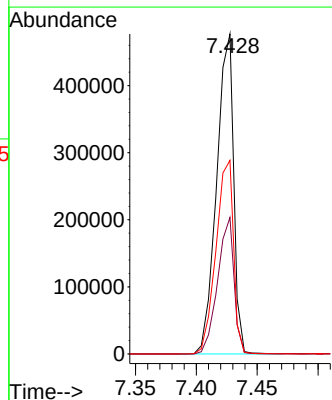
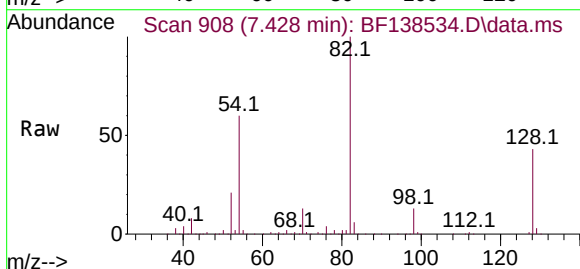
Tgt Ion: 82 Resp: 465634

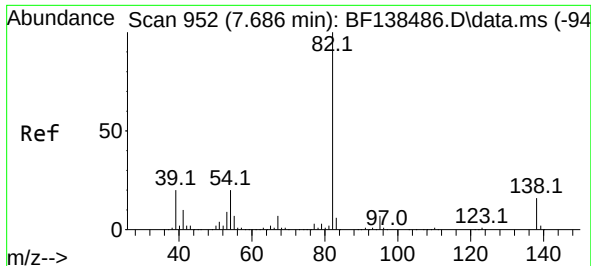
Ion Ratio Lower Upper

82 100

128 42.7 32.3 48.5

54 60.5 51.4 77.0

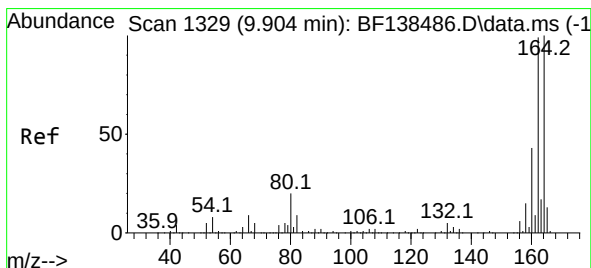
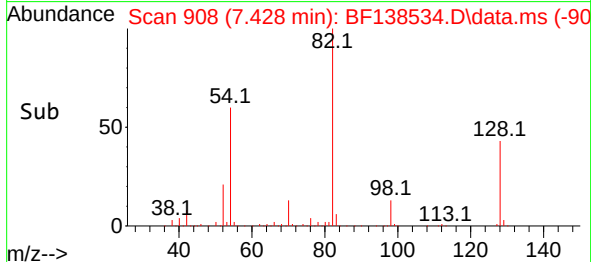
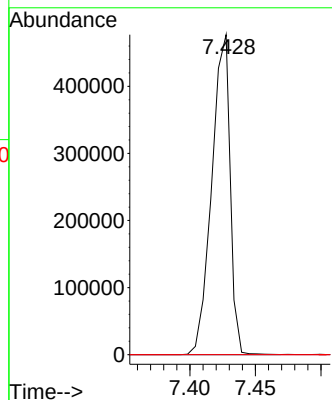
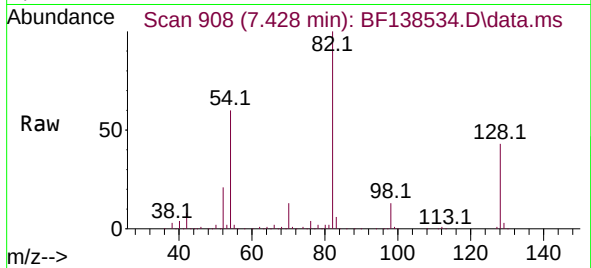




#25
Isophorone
Concen: 36.230 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF138534.D
Acq: 11 Jul 2024 20:52

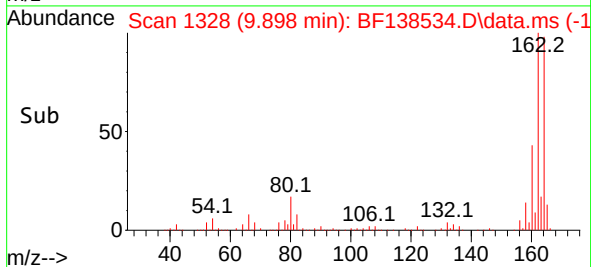
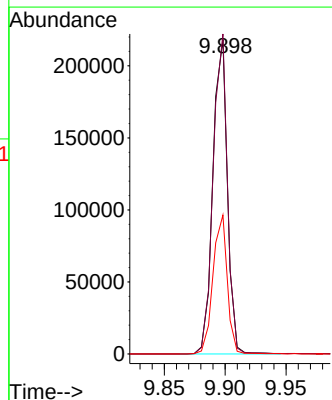
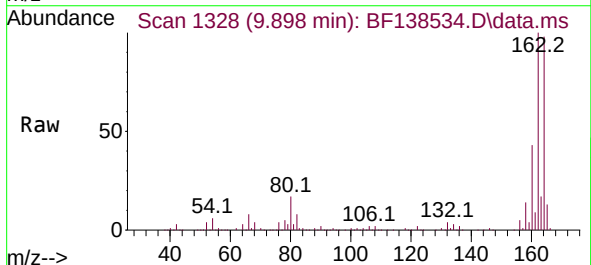
Instrument :
BNA_F
ClientSampleId :
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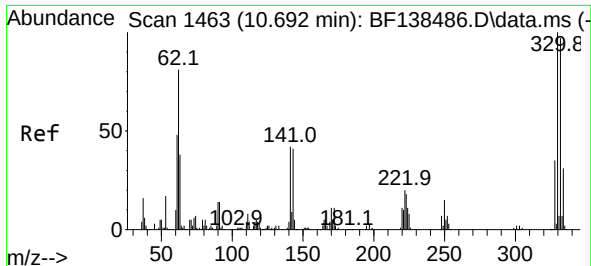
Tgt Ion: 82 Resp: 465627
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF138534.D
Acq: 11 Jul 2024 20:52

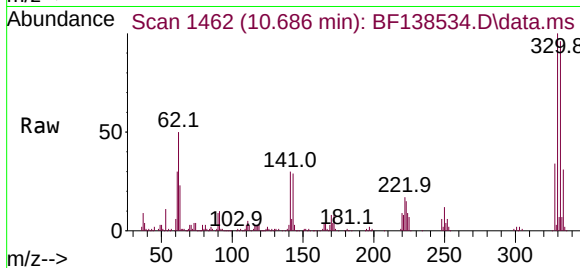
Tgt Ion: 164 Resp: 180376
Ion Ratio Lower Upper
164 100
162 101.8 79.0 118.6
160 44.2 34.4 51.6



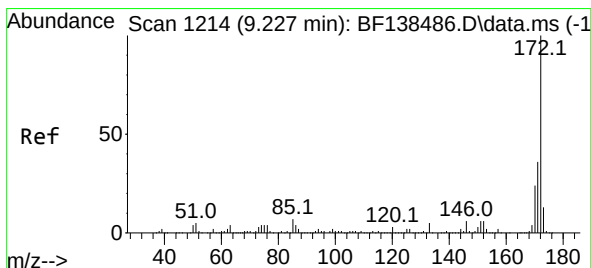
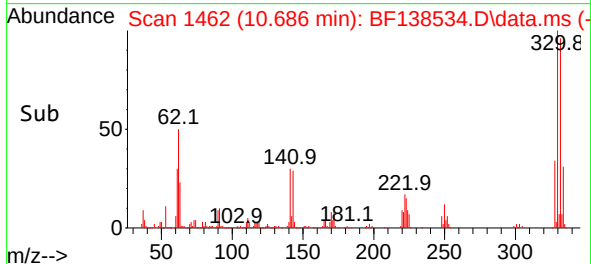
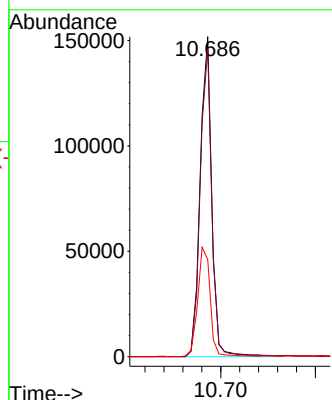


#42
2,4,6-Tribromophenol
Concen: 76.614 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF138534.D
Acq: 11 Jul 2024 20:52

Instrument :
BNA_F
ClientSampleId :
352

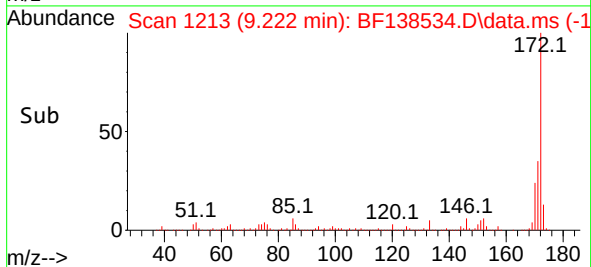
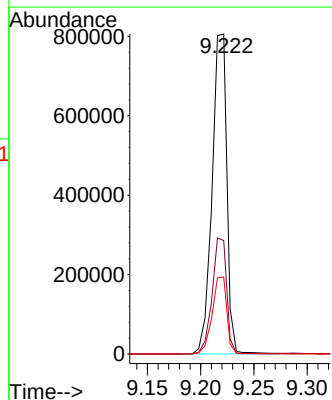
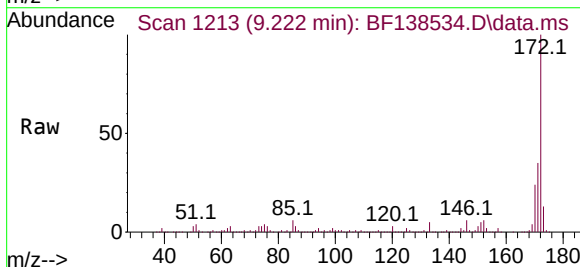


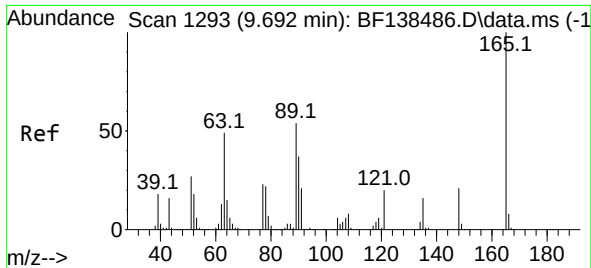
Tgt Ion:330 Resp: 129155
Ion Ratio Lower Upper
330 100
332 96.6 76.8 115.2
141 37.1 29.4 44.2



#45
2-Fluorobiphenyl
Concen: 67.413 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF138534.D
Acq: 11 Jul 2024 20:52

Tgt Ion:172 Resp: 778021
Ion Ratio Lower Upper
172 100
171 35.4 28.9 43.3
170 24.0 18.9 28.3

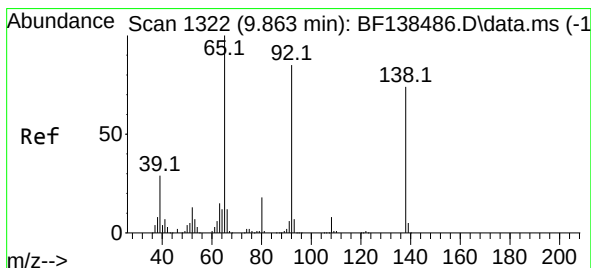
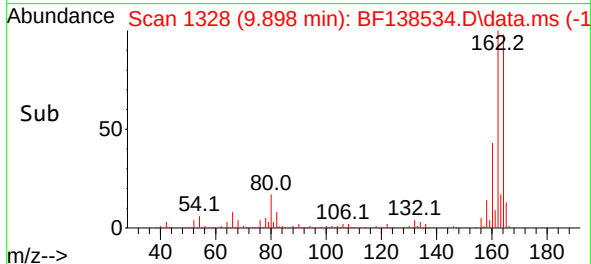
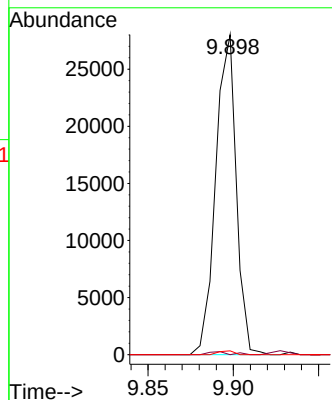
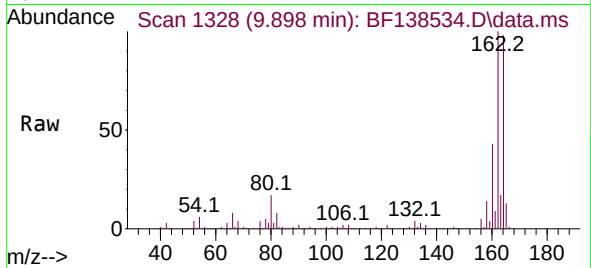




#51
2,6-Dinitrotoluene
Concen: 8.733 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF138534.D
Acq: 11 Jul 2024 20:52

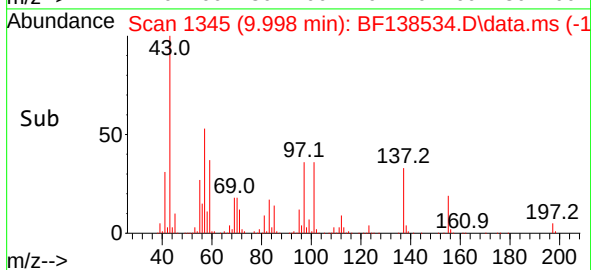
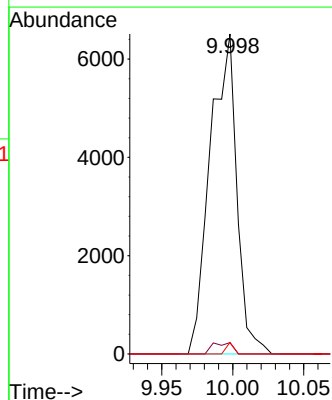
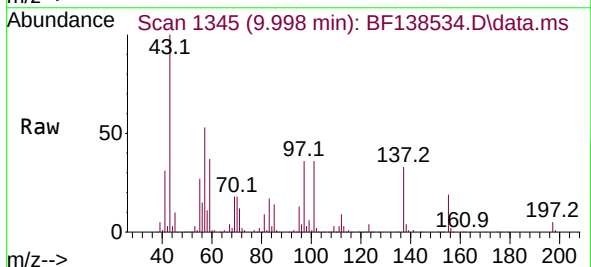
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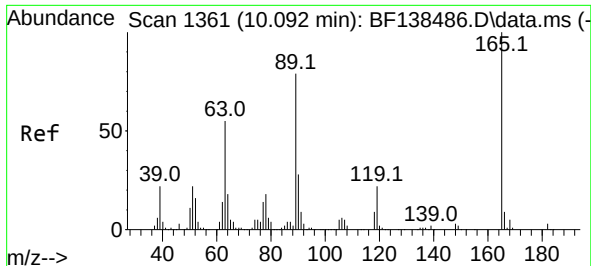
Tgt Ion:165 Resp: 23451
Ion Ratio Lower Upper
165 100
63 0.0 48.1 72.1#
89 1.2 43.0 64.6#



#53
3-Nitroaniline
Concen: 3.086 ng
RT: 9.998 min Scan# 1345
Delta R.T. 0.135 min
Lab File: BF138534.D
Acq: 11 Jul 2024 20:52

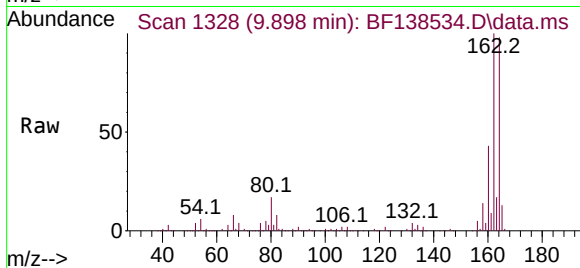
Tgt Ion:138 Resp: 8493
Ion Ratio Lower Upper
138 100
108 3.5 8.3 12.5#
92 3.6 92.6 138.8#



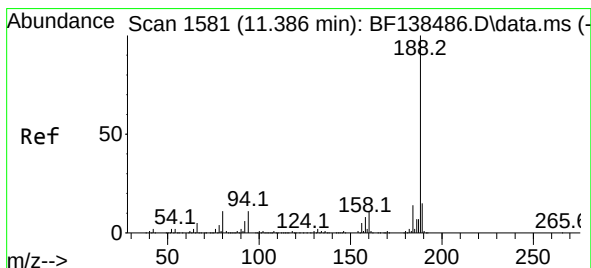
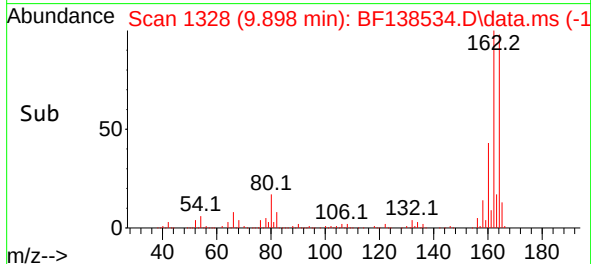
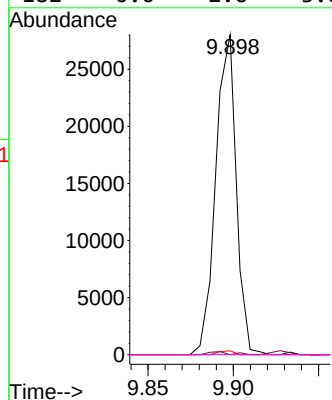


#57
2,4-Dinitrotoluene
Concen: 6.749 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138534.D
Acq: 11 Jul 2024 20:52

Instrument :
BNA_F
ClientSampleId :
352

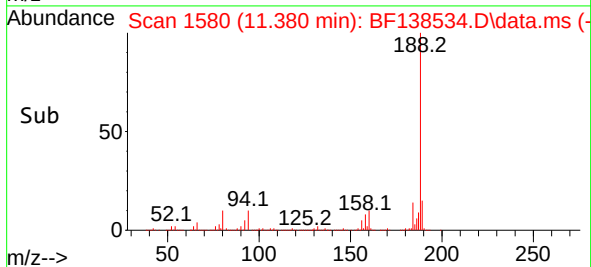
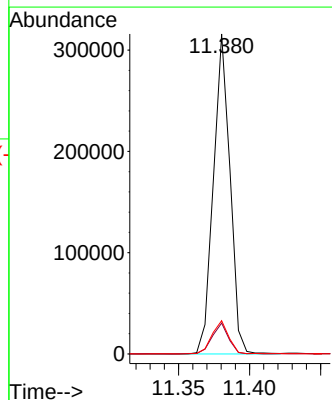
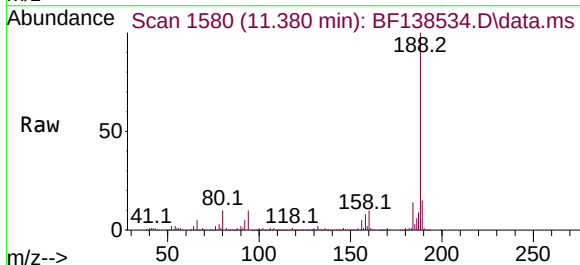


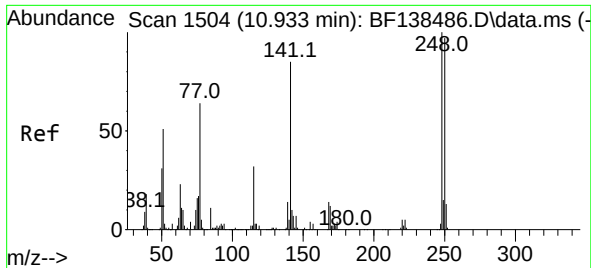
Tgt Ion:165 Resp: 23451
Ion Ratio Lower Upper
165 100
63 0.0 44.6 66.8#
89 1.2 63.4 95.2#
182 0.0 2.6 3.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF138534.D
Acq: 11 Jul 2024 20:52

Tgt Ion:188 Resp: 257051
Ion Ratio Lower Upper
188 100
94 9.6 8.7 13.1
80 10.4 9.0 13.4

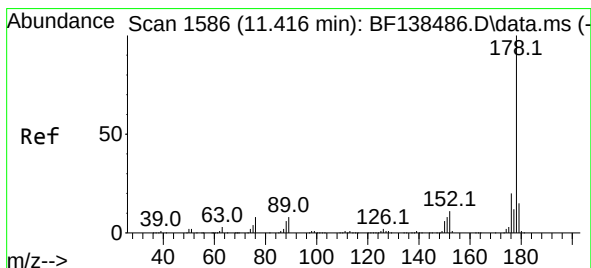
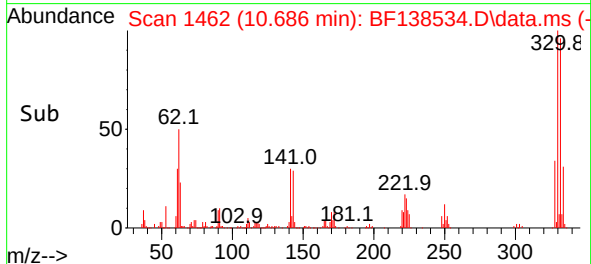
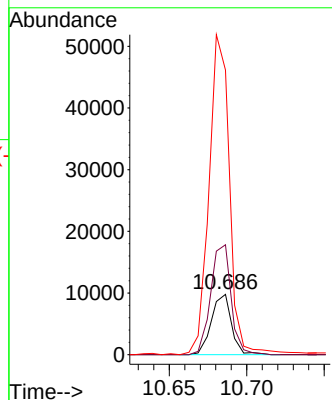
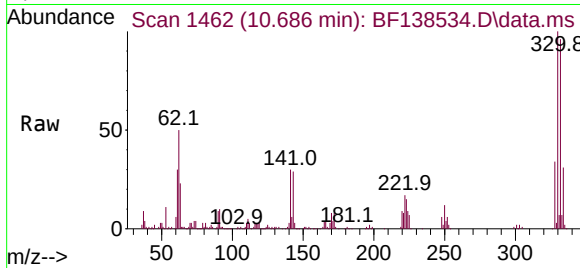




#67
4-Bromophenyl-phenylether
Concen: 3.343 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.247 min
Lab File: BF138534.D
Acq: 11 Jul 2024 20:52

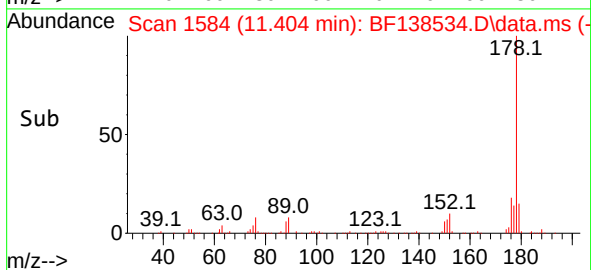
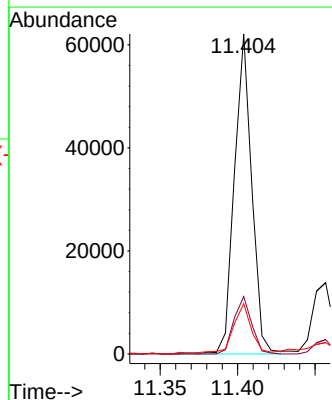
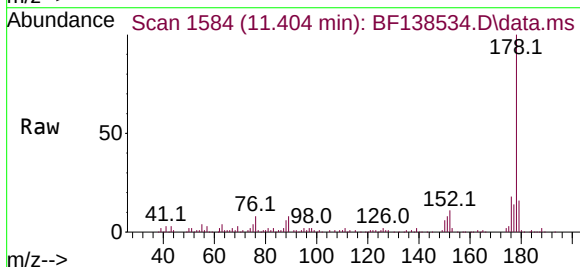
Instrument :
BNA_F
ClientSampleId :
352

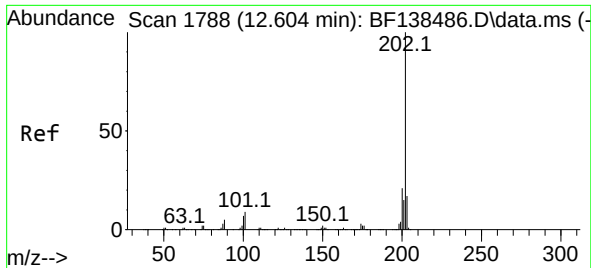
Tgt Ion:248 Resp: 8831
Ion Ratio Lower Upper
248 100
250 181.9 77.9 116.9#
141 471.5 67.7 101.5#



#71
Phenanthrene
Concen: 3.718 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF138534.D
Acq: 11 Jul 2024 20:52

Tgt Ion:178 Resp: 48280
Ion Ratio Lower Upper
178 100
176 17.9 15.7 23.5
179 15.7 12.2 18.2

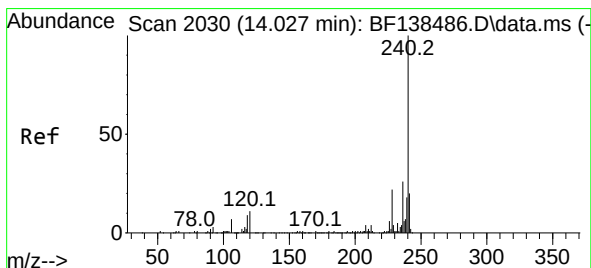
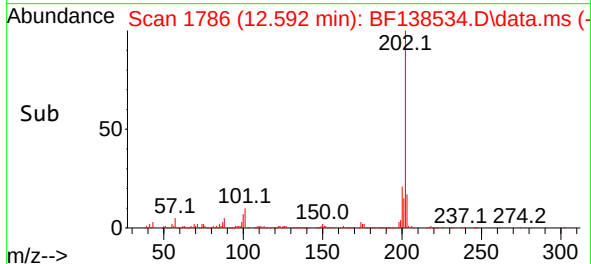
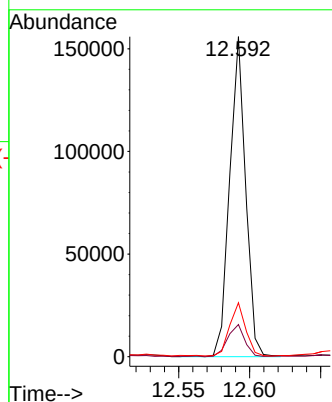
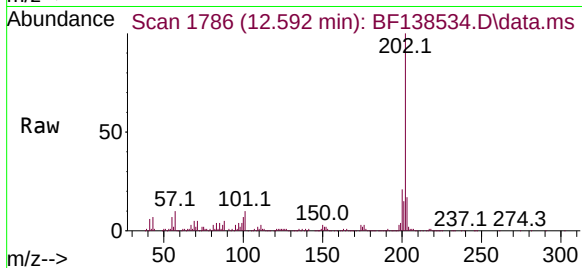




#75
Fluoranthene
Concen: 9.189 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138534.D
Acq: 11 Jul 2024 20:52

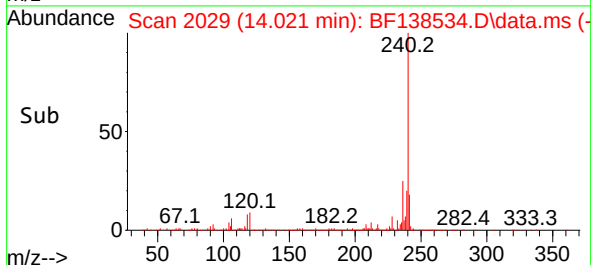
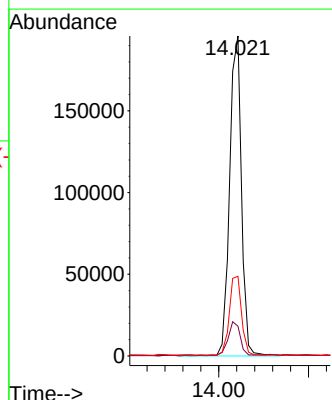
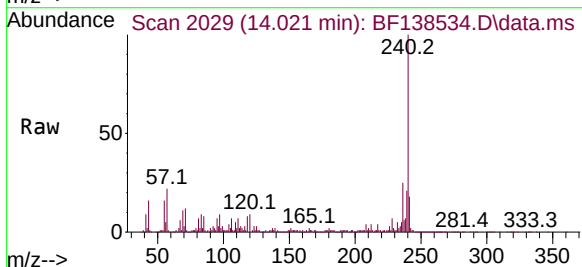
Instrument :
BNA_F
ClientSampleId :
352

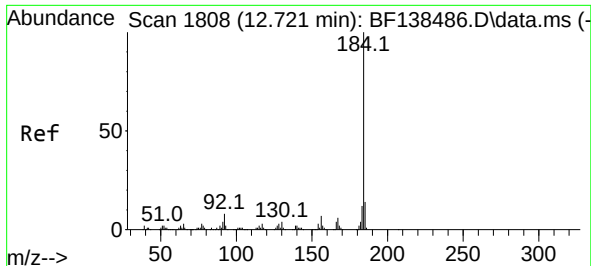
Tgt Ion:202 Resp: 121765
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.2
203 16.9 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF138534.D
Acq: 11 Jul 2024 20:52

Tgt Ion:240 Resp: 179480
Ion Ratio Lower Upper
240 100
120 9.3 8.6 12.8
236 24.9 21.0 31.6

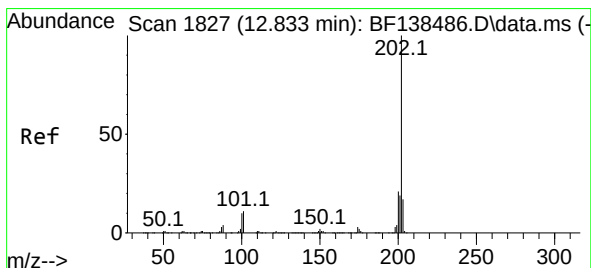
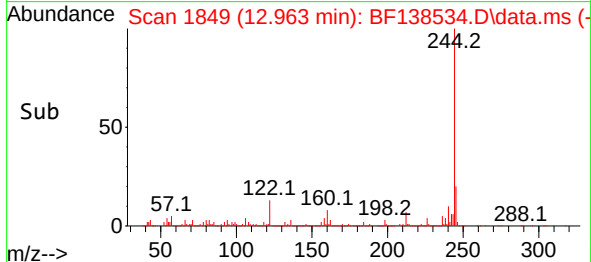
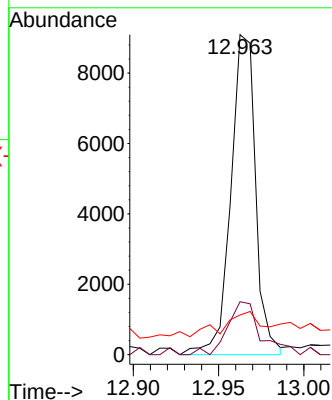
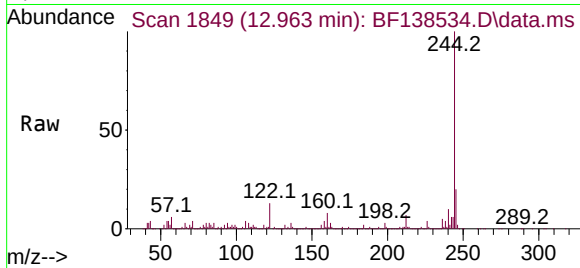




#77
Benzidine
Concen: 2.035 ng
RT: 12.963 min Scan# 1849
Delta R.T. 0.242 min
Lab File: BF138534.D
Acq: 11 Jul 2024 20:52

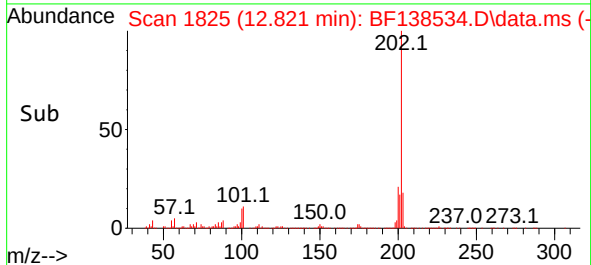
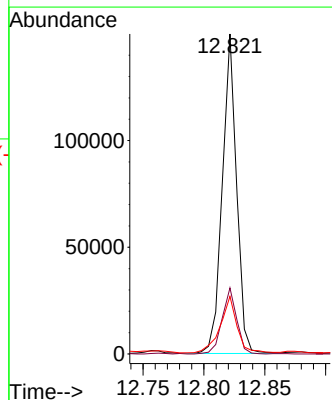
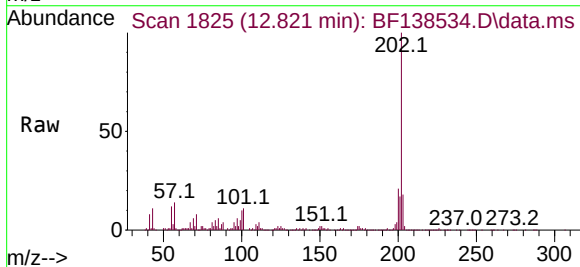
Instrument :
BNA_F
ClientSampleId :
352

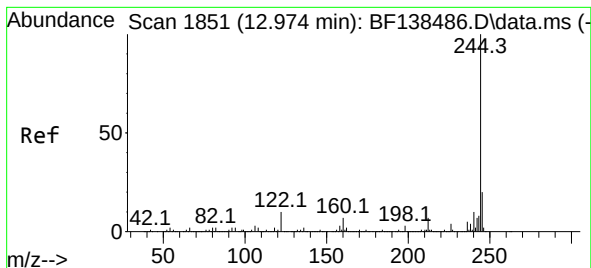
Tgt Ion:184 Resp: 9215
Ion Ratio Lower Upper
184 100
185 16.5 11.3 16.9
183 12.4 9.5 14.3



#78
Pyrene
Concen: 6.734 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF138534.D
Acq: 11 Jul 2024 20:52

Tgt Ion:202 Resp: 122685
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.6
203 18.0 13.7 20.5





#79

Terphenyl-d14

Concen: 54.574 ng

RT: 12.968 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138534.D

Acq: 11 Jul 2024 20:52

Instrument :

BNA_F

ClientSampleId :

352

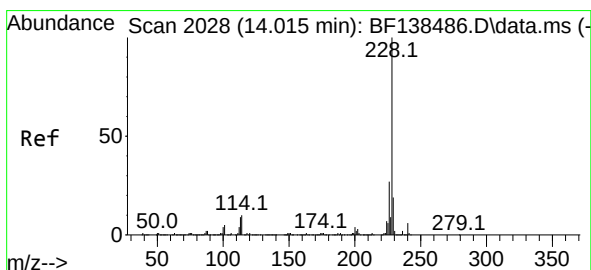
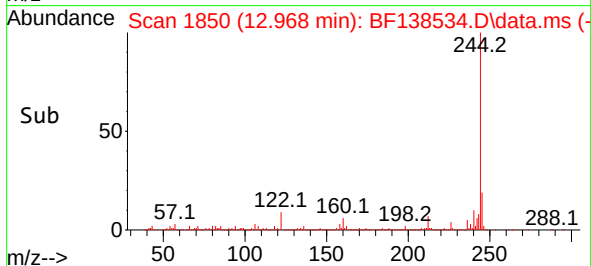
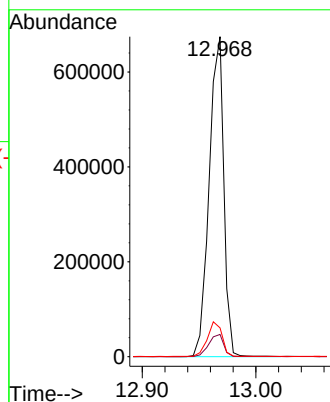
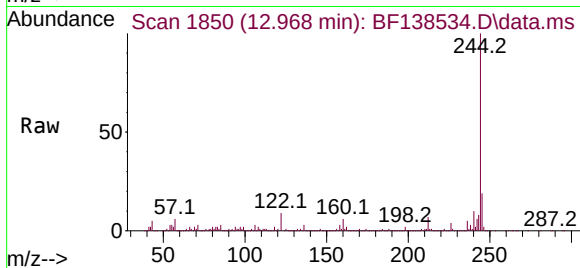
Tgt Ion:244 Resp: 601239

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 9.0 7.8 11.8



#81

Benzo(a)anthracene

Concen: 5.157 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF138534.D

Acq: 11 Jul 2024 20:52

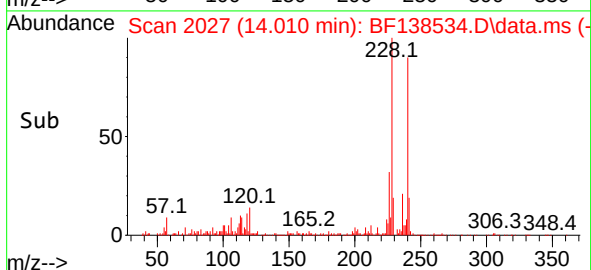
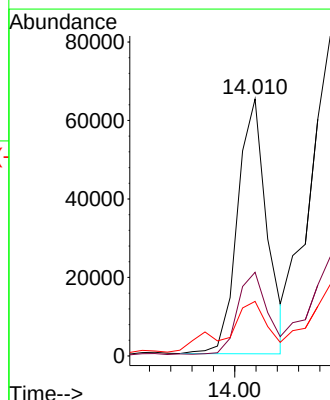
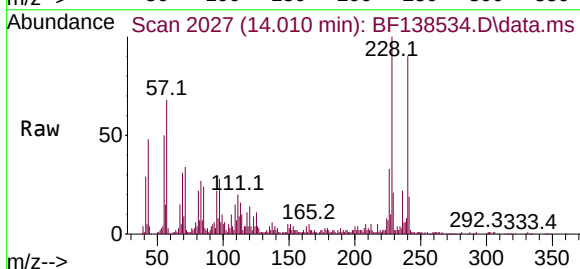
Tgt Ion:228 Resp: 62102

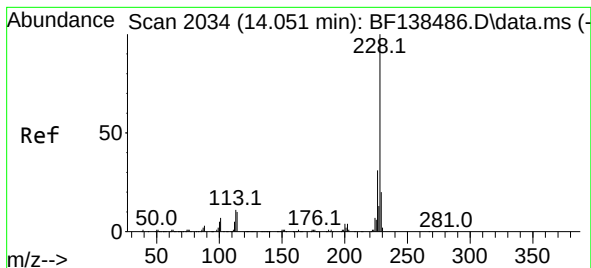
Ion Ratio Lower Upper

228 100

226 32.5 21.9 32.9

229 21.2 15.5 23.3





#83

Chrysene

Concen: 7.341 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138534.D

Acq: 11 Jul 2024 20:52

Instrument :

BNA_F

ClientSampleId :

352

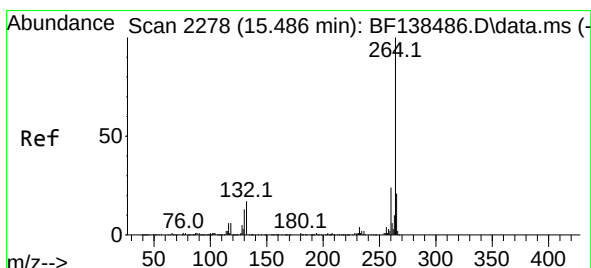
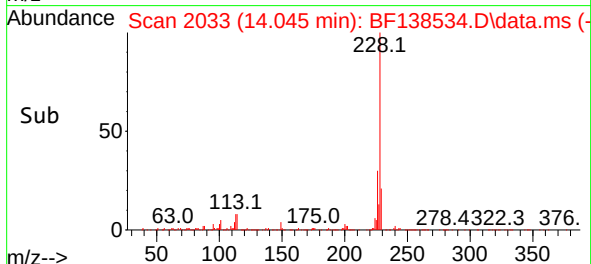
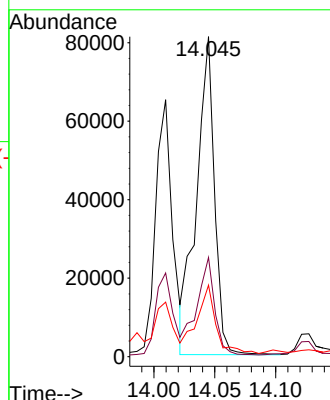
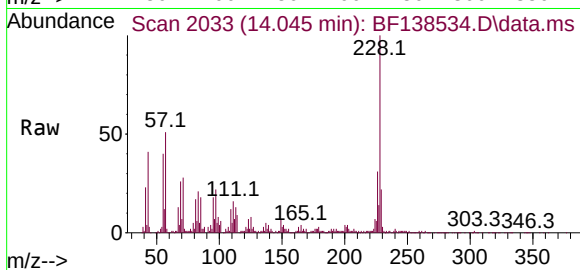
Tgt Ion:228 Resp: 83630

Ion Ratio Lower Upper

228 100

226 31.0 24.4 36.6

229 22.4 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.486 min Scan# 2278

Delta R.T. 0.000 min

Lab File: BF138534.D

Acq: 11 Jul 2024 20:52

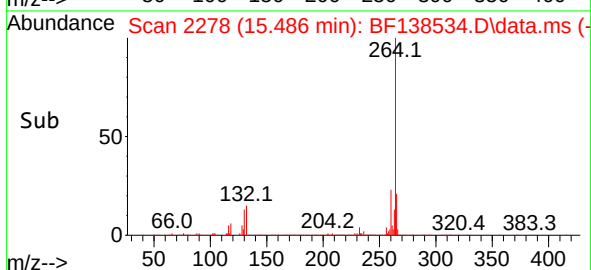
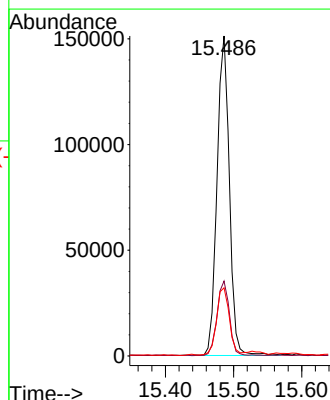
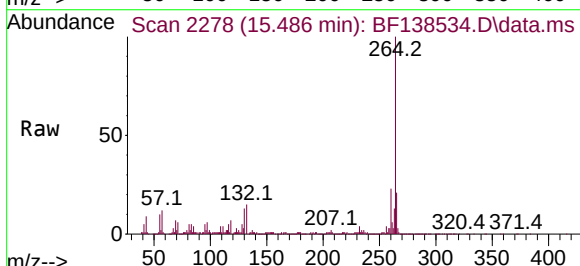
Tgt Ion:264 Resp: 190890

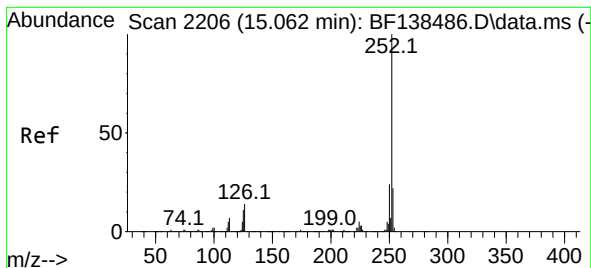
Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.6

265 21.3 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 11.866 ng

RT: 15.057 min Scan# 2205

Delta R.T. -0.006 min

Lab File: BF138534.D

Acq: 11 Jul 2024 20:52

Instrument :

BNA_F

ClientSampleId :

352

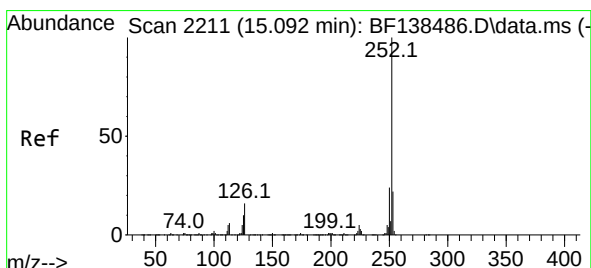
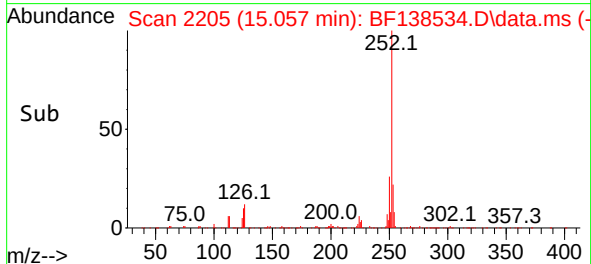
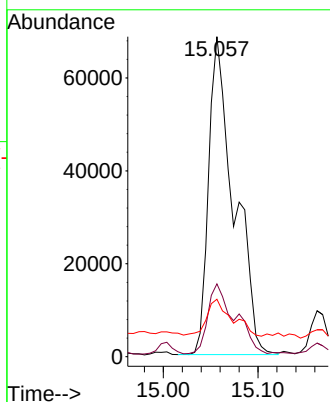
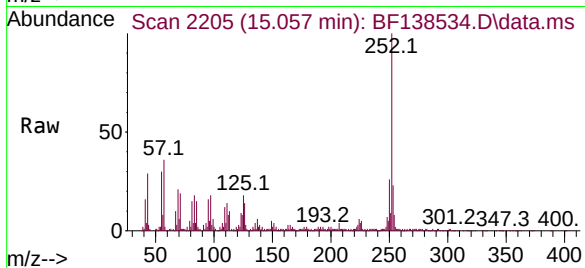
Tgt Ion:252 Resp: 127566

Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

125 17.9 8.6 13.0#



#89

Benzo(k)fluoranthene

Concen: 12.167 ng

RT: 15.057 min Scan# 2205

Delta R.T. -0.035 min

Lab File: BF138534.D

Acq: 11 Jul 2024 20:52

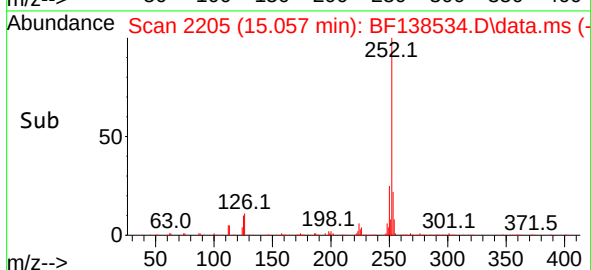
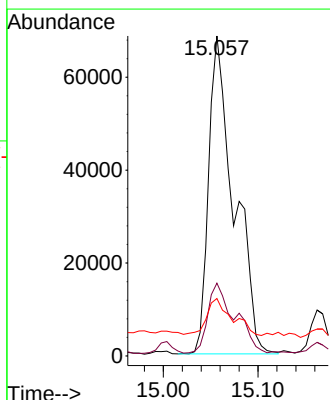
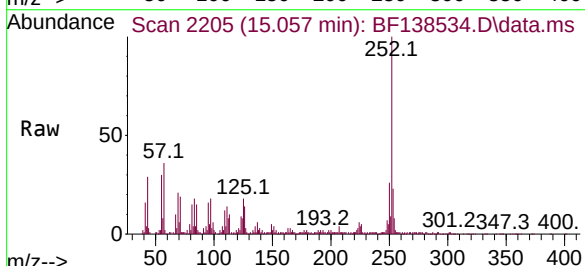
Tgt Ion:252 Resp: 127566

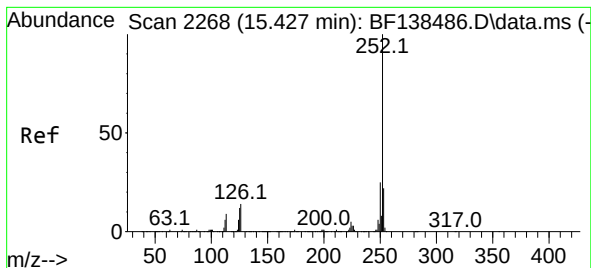
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 17.9 8.1 12.1#





#90

Benzo(a)pyrene

Concen: 5.161 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138534.D

Acq: 11 Jul 2024 20:52

Instrument :

BNA_F

ClientSampleId :

352

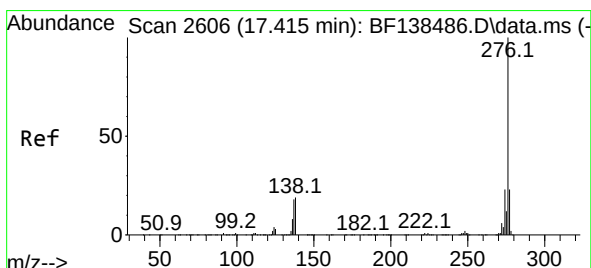
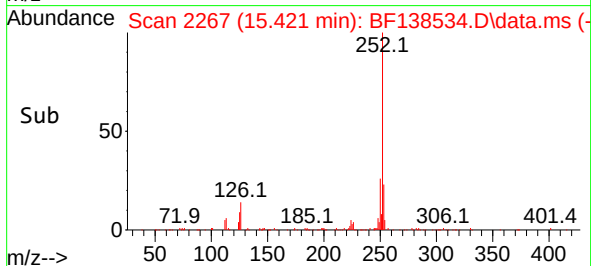
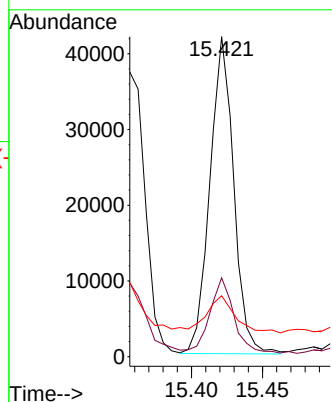
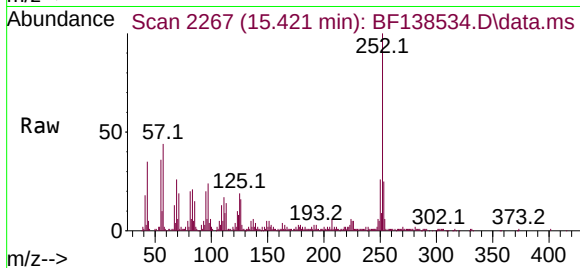
Tgt Ion:252 Resp: 48743

Ion Ratio Lower Upper

252 100

253 24.7 17.4 26.0

125 19.1 9.4 14.2#



#92

Benzo(g,h,i)perylene

Concen: 2.155 ng

RT: 17.386 min Scan# 2601

Delta R.T. -0.029 min

Lab File: BF138534.D

Acq: 11 Jul 2024 20:52

Tgt Ion:276 Resp: 23973

Ion Ratio Lower Upper

276 100

277 27.8 18.0 27.0#

138 24.1 15.5 23.3#

