

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071224\
 Data File : BF138556.D
 Acq On : 12 Jul 2024 20:08
 Operator : CG\JU
 Sample : P3207-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-2929

Quant Time: Jul 12 23:14:03 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

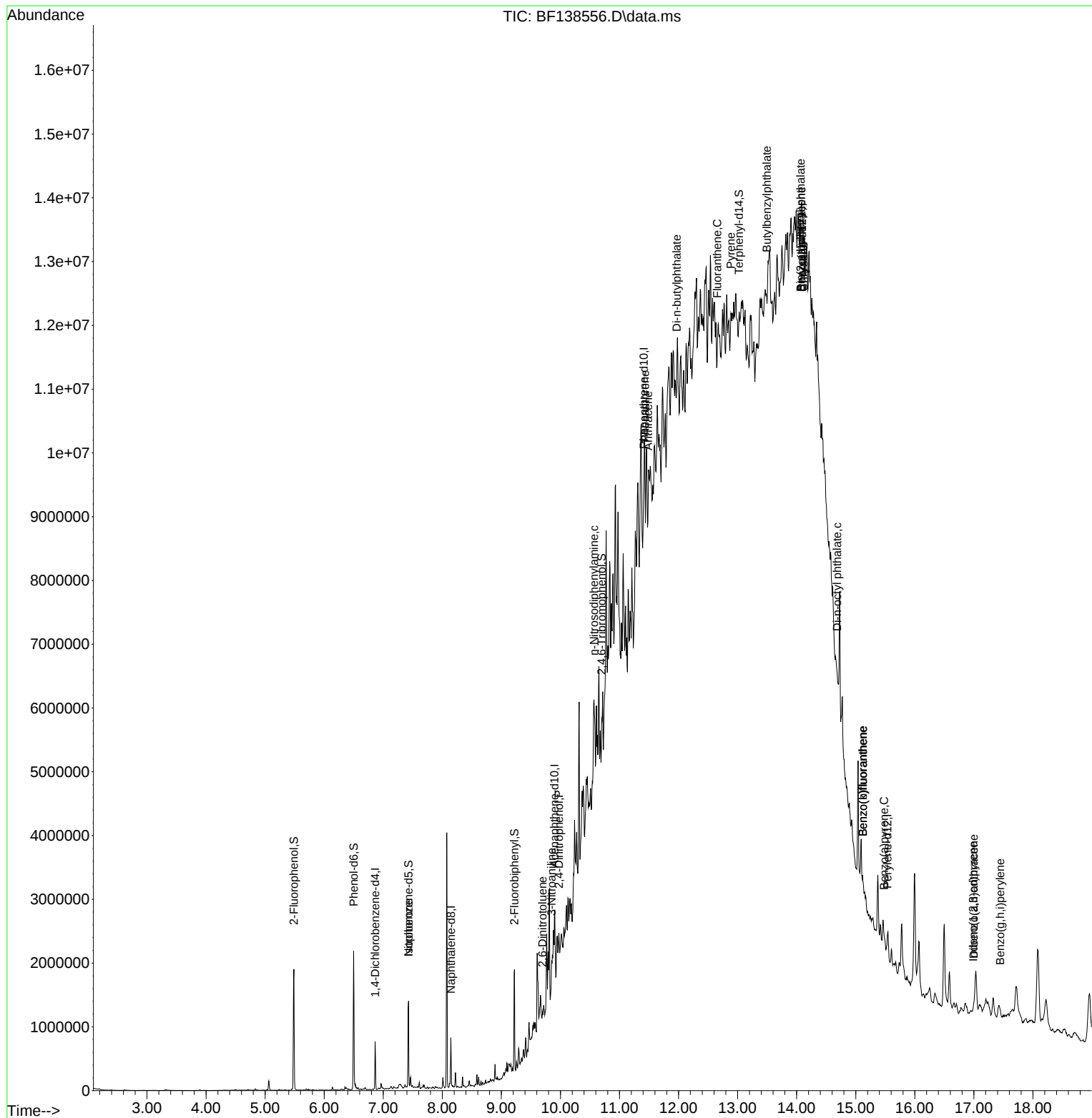
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	93218	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	246922	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	160428	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	193394	20.000	ng	# 0.02
76) Chrysene-d12	14.092	240	55049	20.000	ng	# 0.06
86) Perylene-d12	15.539	264	93824	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	514241	87.369	ng	0.00
7) Phenol-d6	6.498	99	646555	82.574	ng	0.00
23) Nitrobenzene-d5	7.428	82	384951	76.543	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	95660	63.801	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	470752	45.861	ng	0.00
79) Terphenyl-d14	13.021	244	364817	107.964	ng	0.05
Target Compounds						
25) Isophorone	7.428	82	384951	44.572	ng	# 68
51) 2,6-Dinitrotoluene	9.698	165	7531	3.153	ng	# 30
53) 3-Nitroaniline	9.851	138	13505	5.517	ng	# 19
54) 2,4-Dinitrophenol	9.975	184	251	4.852	ng	# 1
66) n-Nitrosodiphenylamine	10.569	169	18842	3.252	ng	# 72
71) Phenanthrene	11.433	178	99823	10.217	ng	# 65
72) Anthracene	11.486	178	25285	2.607	ng	# 7
74) Di-n-butylphthalate	11.969	149	46029	4.582	ng	# 1
75) Fluoranthene	12.657	202	165482	16.599	ng	# 1
78) Pyrene	12.886	202	162046	28.998	ng	# 1
80) Butylbenzylphthalate	13.492	149	5967	3.550	ng	# 1
81) Benzo(a)anthracene	14.080	228	50131	13.572	ng	# 15
83) Chrysene	14.115	228	54945	15.724	ng	# 36
84) Bis(2-ethylhexyl)phtha...	14.068	149	38539	21.496	ng	# 76
85) Di-n-octyl phthalate	14.686	149	9469	3.343	ng	# 50
87) Indeno(1,2,3-cd)pyrene	16.992	276	64055	10.164	ng	97
88) Benzo(b)fluoranthene	15.121	252	162325	30.721	ng	# 77
89) Benzo(k)fluoranthene	15.121	252	162325	31.499	ng	# 78
90) Benzo(a)pyrene	15.480	252	78638	16.942	ng	# 77
91) Dibenzo(a,h)anthracene	16.998	278	17560	3.406	ng	# 53
92) Benzo(g,h,i)perylene	17.445	276	70356	12.870	ng	94

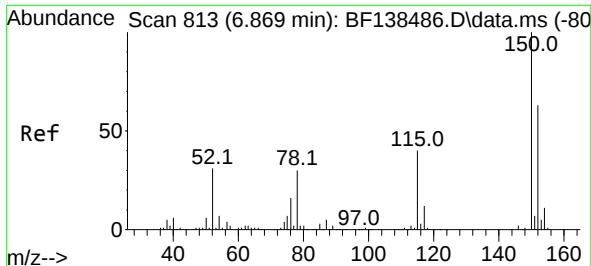
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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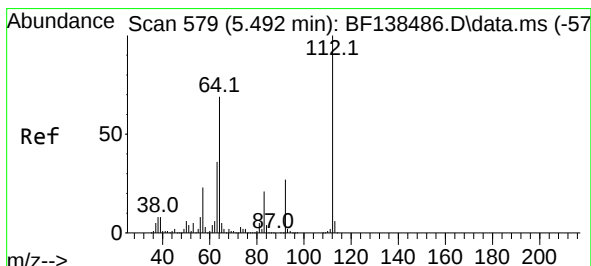
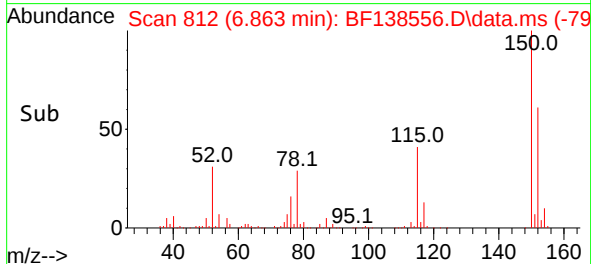
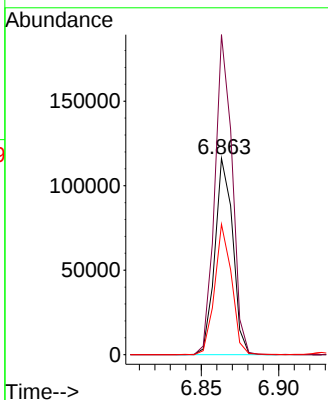
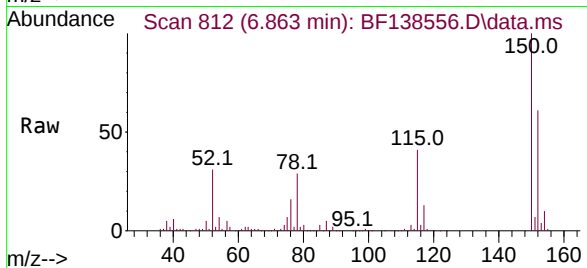




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

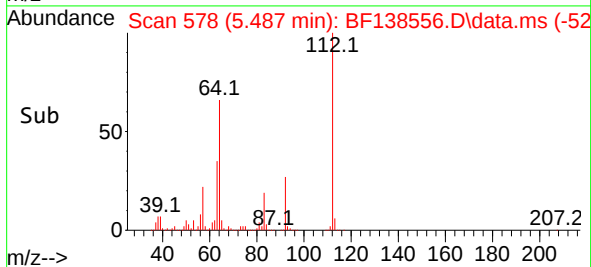
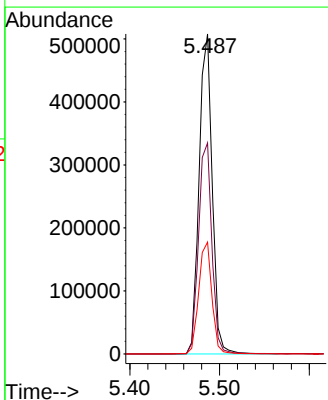
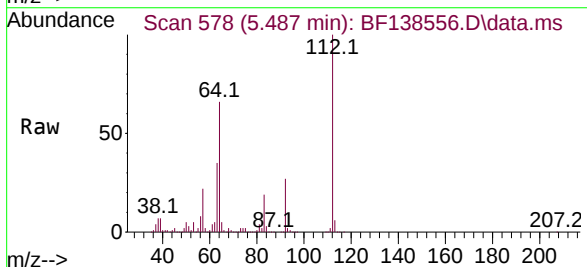
Instrument :
BNA_F
ClientSampleId :
RT-2929

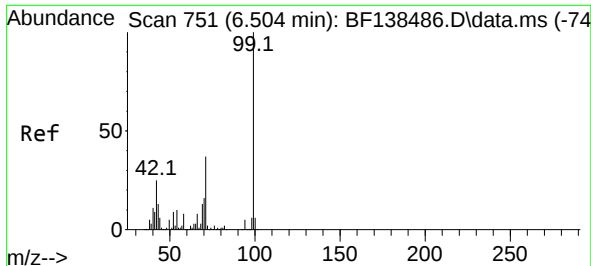
Tgt Ion:152 Resp: 93218
Ion Ratio Lower Upper
152 100
150 163.1 126.2 189.4
115 66.4 50.3 75.5



#5
2-Fluorophenol
Concen: 87.369 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

Tgt Ion:112 Resp: 514241
Ion Ratio Lower Upper
112 100
64 65.9 55.1 82.7
63 35.0 29.0 43.6





#7
Phenol-d6
Concen: 82.574 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

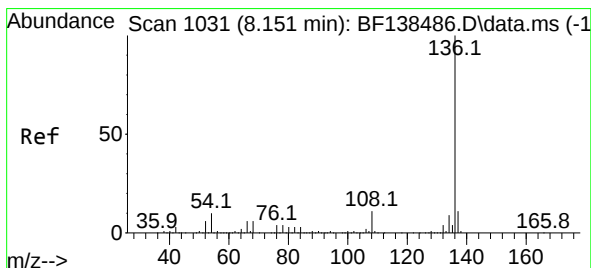
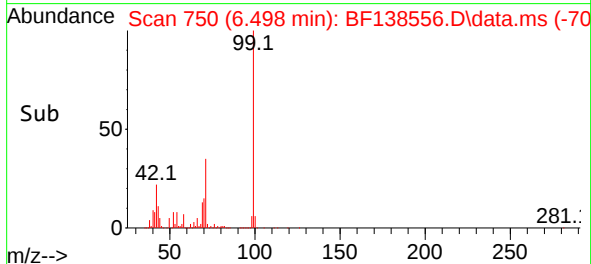
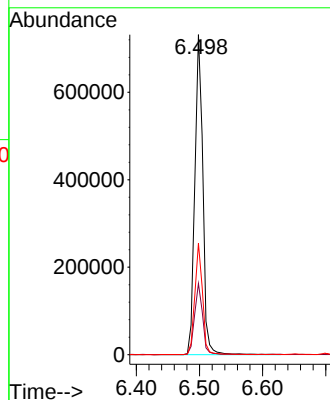
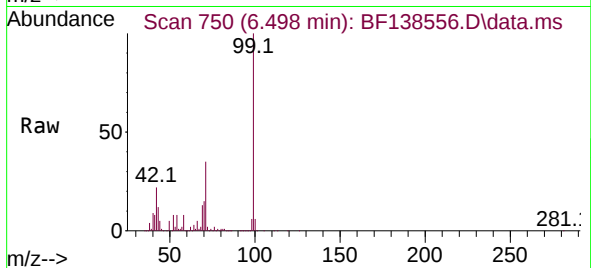
Instrument :

BNA_F

ClientSampleId :

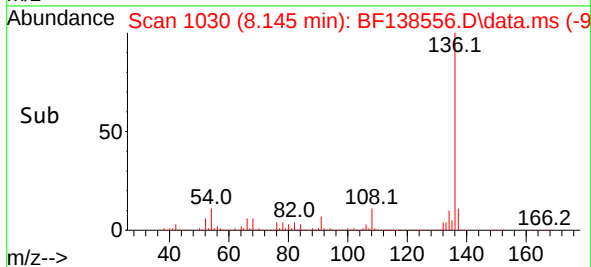
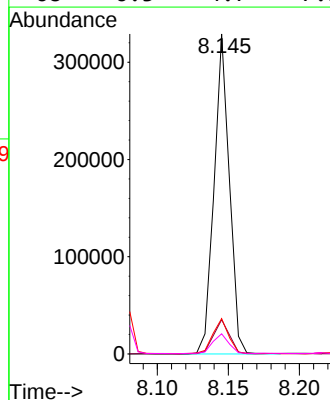
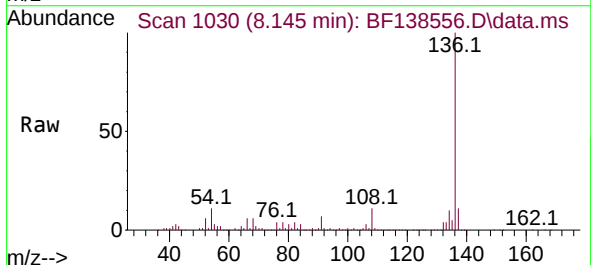
RT-2929

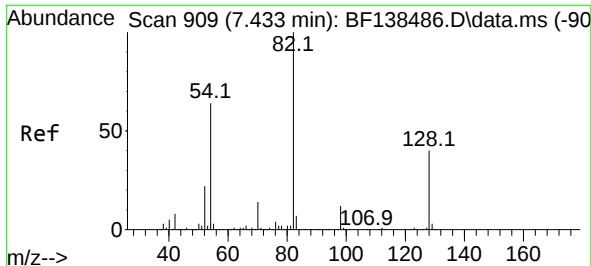
Tgt Ion: 99 Resp: 646555
Ion Ratio Lower Upper
99 100
42 22.3 19.7 29.5
71 34.8 29.9 44.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

Tgt Ion:136 Resp: 246922
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 11.0 8.1 12.1
68 6.3 4.7 7.1





#23

Nitrobenzene-d5

Concen: 76.543 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

Instrument :

BNA_F

ClientSampleId :

RT-2929

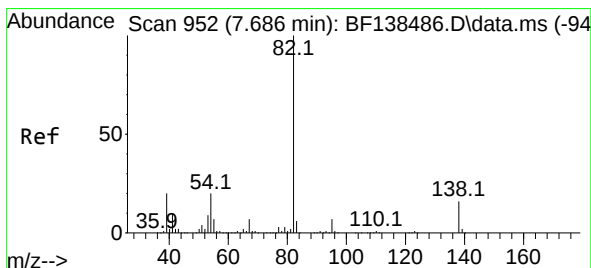
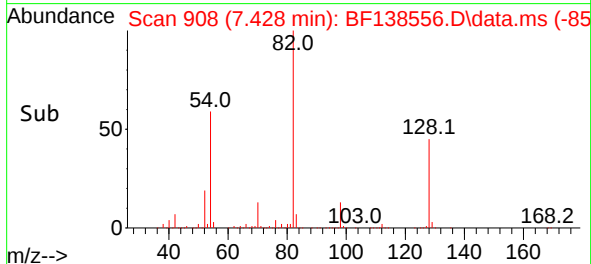
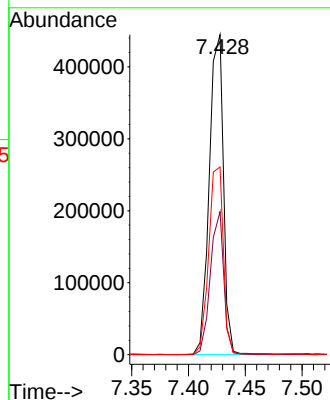
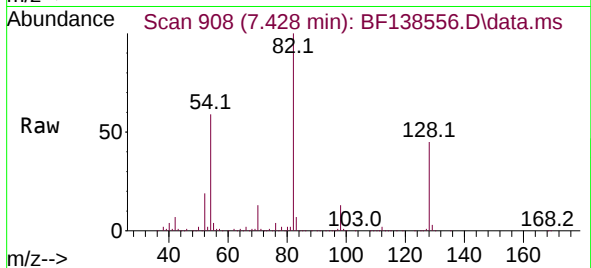
Tgt Ion: 82 Resp: 384951

Ion Ratio Lower Upper

82 100

128 44.7 32.3 48.5

54 58.7 51.4 77.0



#25

Isophorone

Concen: 44.572 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.259 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

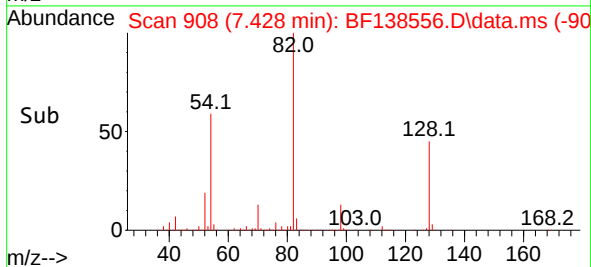
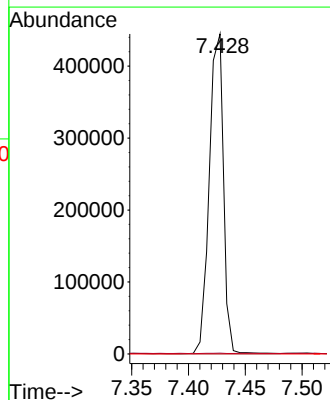
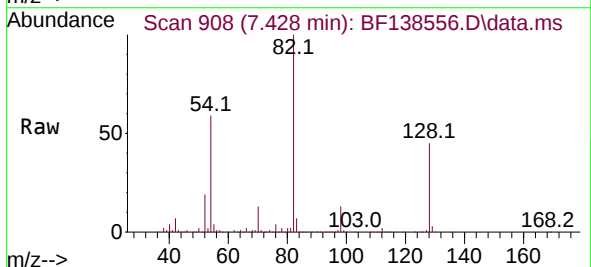
Tgt Ion: 82 Resp: 384951

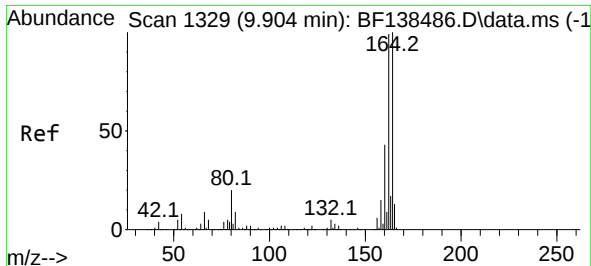
Ion Ratio Lower Upper

82 100

95 0.3 6.0 9.0#

138 0.0 12.8 19.2#

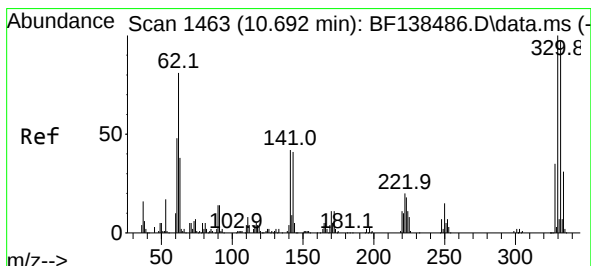
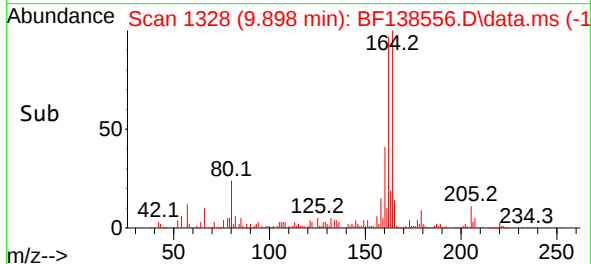
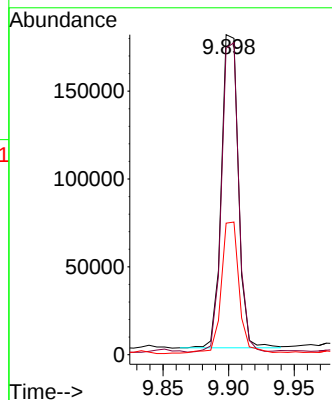
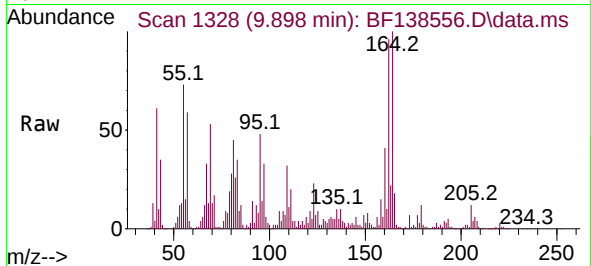




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

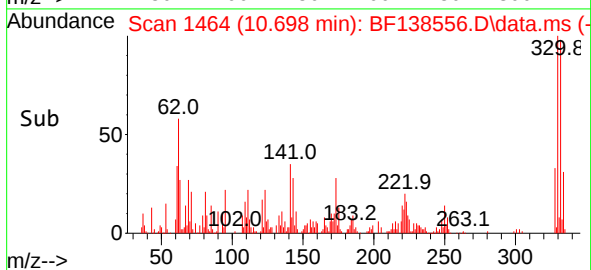
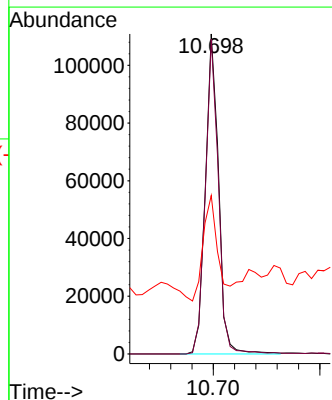
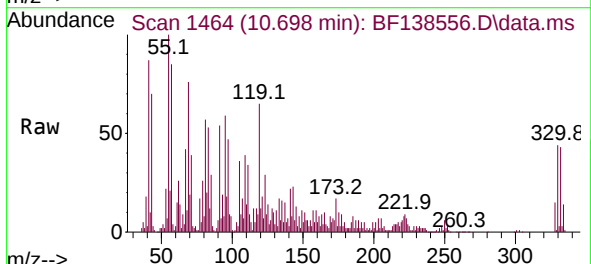
Instrument :
BNA_F
ClientSampleId :
RT-2929

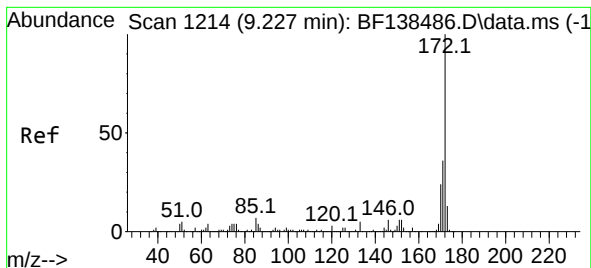
Tgt Ion:164 Resp: 160428
Ion Ratio Lower Upper
164 100
162 95.8 79.0 118.6
160 41.1 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 63.801 ng
RT: 10.698 min Scan# 1464
Delta R.T. 0.006 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

Tgt Ion:330 Resp: 95660
Ion Ratio Lower Upper
330 100
332 97.5 76.8 115.2
141 36.3 29.4 44.2





#45

2-Fluorobiphenyl

Concen: 45.861 ng

RT: 9.222 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

Instrument :

BNA_F

ClientSampleId :

RT-2929

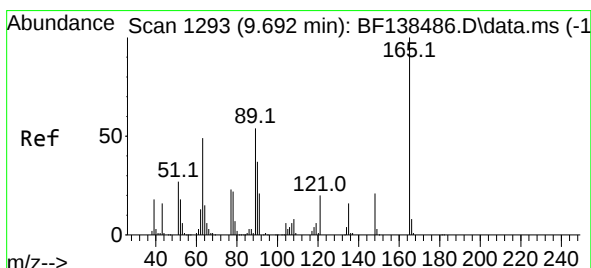
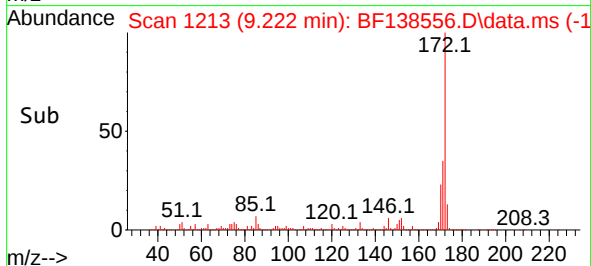
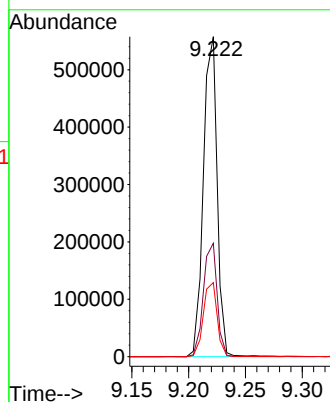
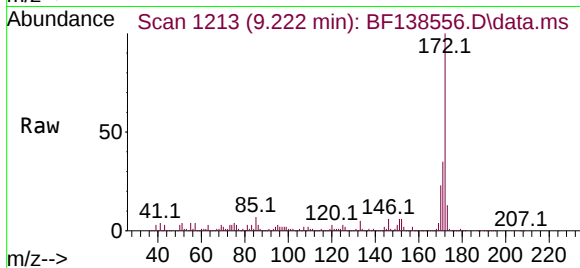
Tgt Ion:172 Resp: 470752

Ion Ratio Lower Upper

172 100

171 35.4 28.9 43.3

170 23.2 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 3.153 ng

RT: 9.698 min Scan# 1294

Delta R.T. 0.006 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

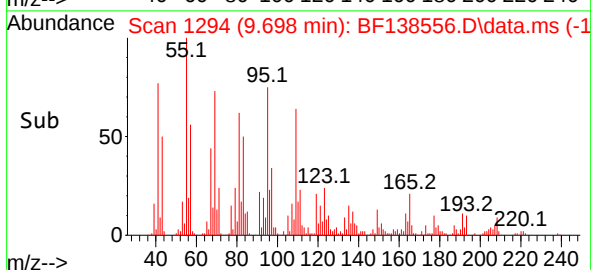
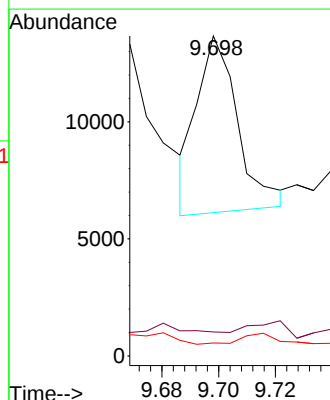
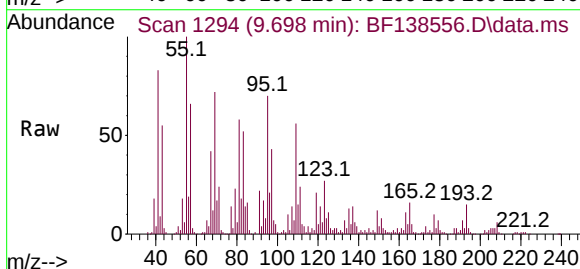
Tgt Ion:165 Resp: 7531

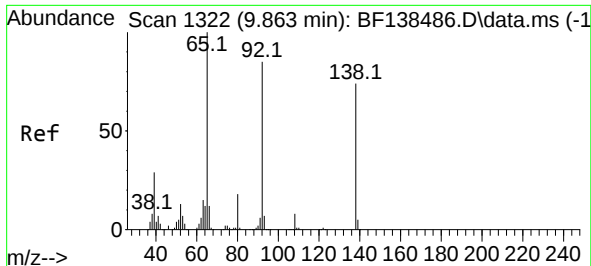
Ion Ratio Lower Upper

165 100

63 7.5 48.1 72.1#

89 4.1 43.0 64.6#

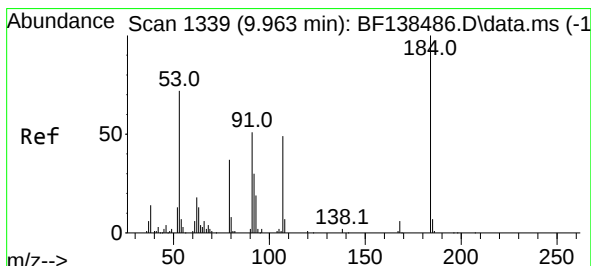
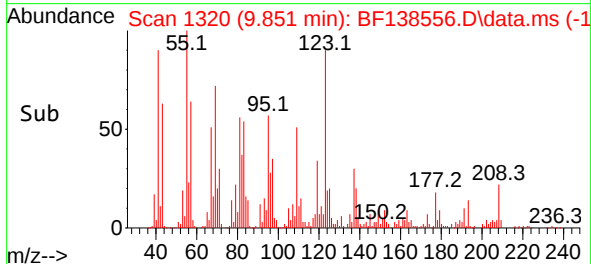
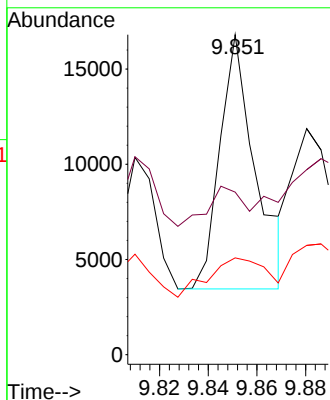
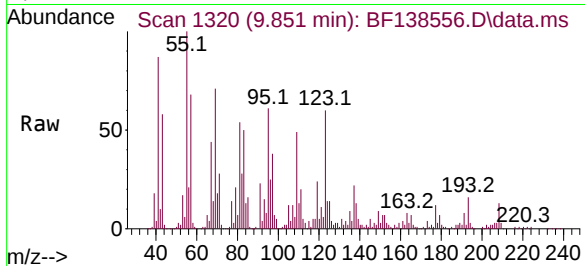




#53
3-Nitroaniline
Concen: 5.517 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

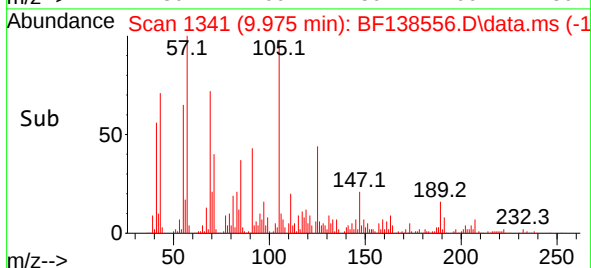
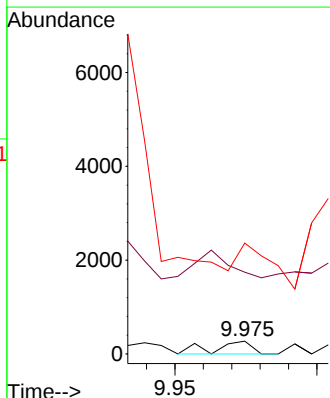
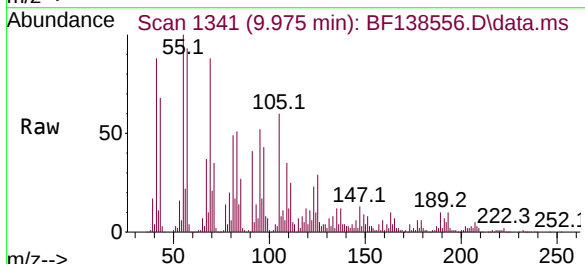
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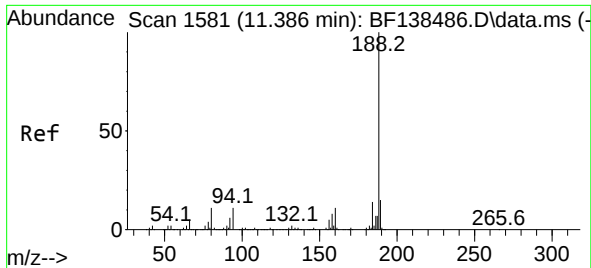
Tgt Ion:138 Resp: 13505
Ion Ratio Lower Upper
138 100
108 50.8 8.3 12.5#
92 30.2 92.6 138.8#



#54
2,4-Dinitrophenol
Concen: 4.852 ng
RT: 9.975 min Scan# 1341
Delta R.T. 0.012 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

Tgt Ion:184 Resp: 251
Ion Ratio Lower Upper
184 100
63 640.8 70.6 106.0#
154 869.5 53.8 80.6#

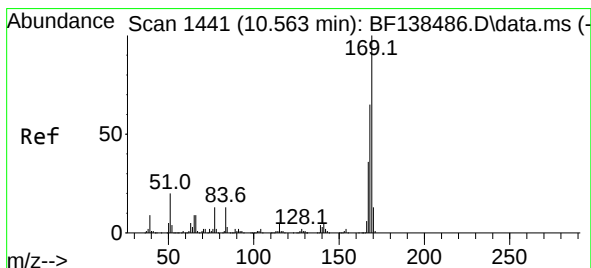
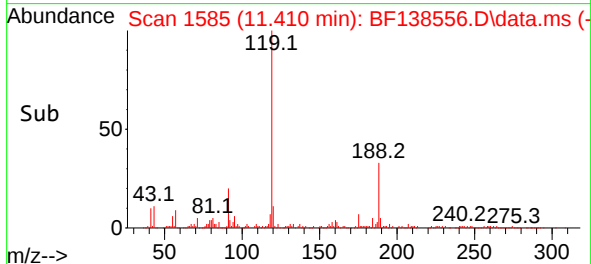
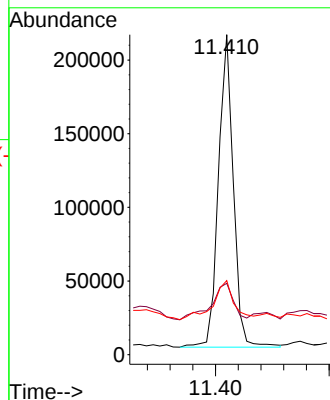
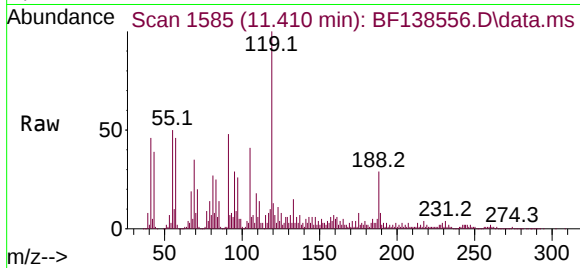




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

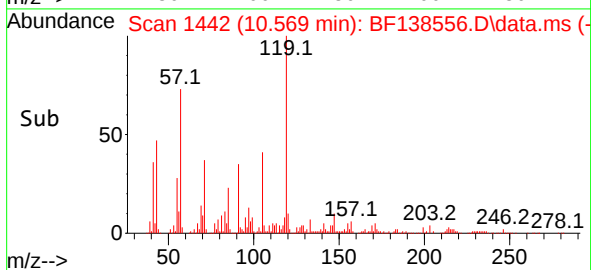
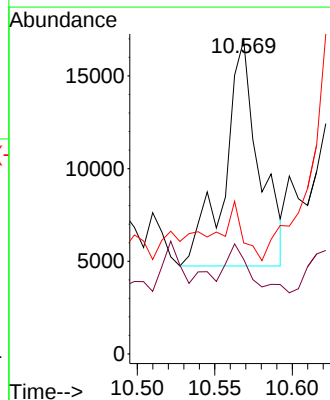
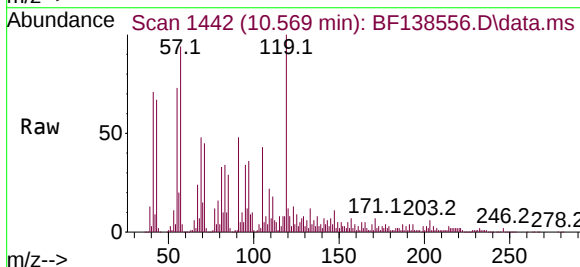
Instrument :
BNA_F
ClientSampleId :
RT-2929

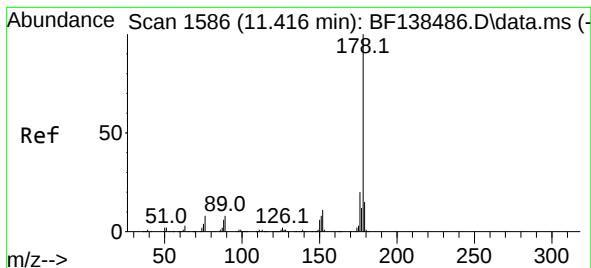
Tgt Ion:188 Resp: 193394
Ion Ratio Lower Upper
188 100
94 22.3 8.7 13.1#
80 23.1 9.0 13.4#



#66
n-Nitrosodiphenylamine
Concen: 3.252 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.006 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

Tgt Ion:169 Resp: 18842
Ion Ratio Lower Upper
169 100
168 30.1 51.7 77.5#
167 35.4 28.5 42.7





#71

Phenanthrene

Concen: 10.217 ng

RT: 11.433 min Scan# 1586

Delta R.T. 0.018 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

Instrument :

BNA_F

ClientSampleId :

RT-2929

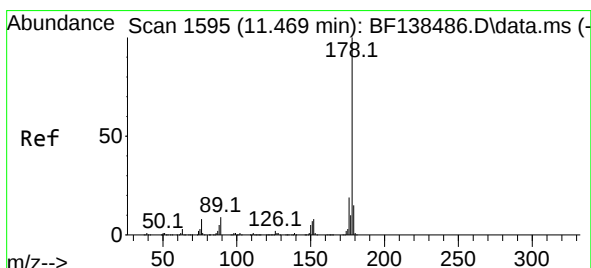
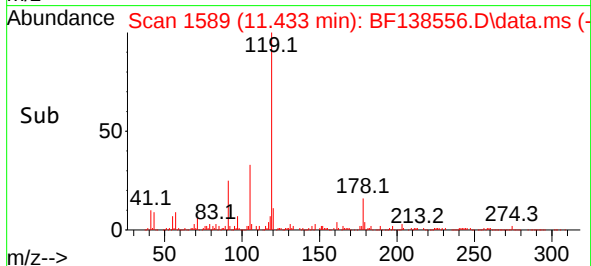
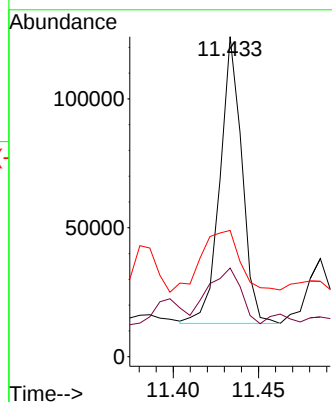
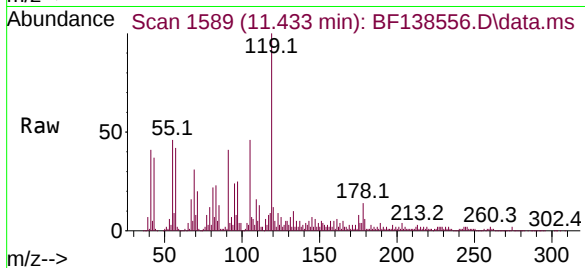
Tgt Ion:178 Resp: 99823

Ion Ratio Lower Upper

178 100

176 27.7 15.7 23.5#

179 39.5 12.2 18.2#



#72

Anthracene

Concen: 2.607 ng

RT: 11.486 min Scan# 1598

Delta R.T. 0.018 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

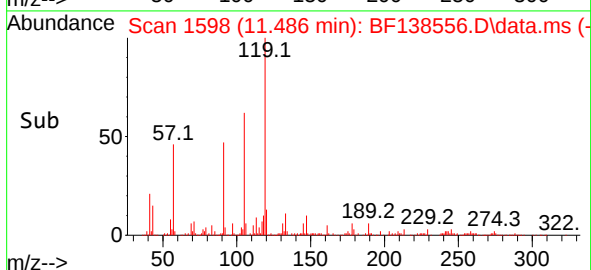
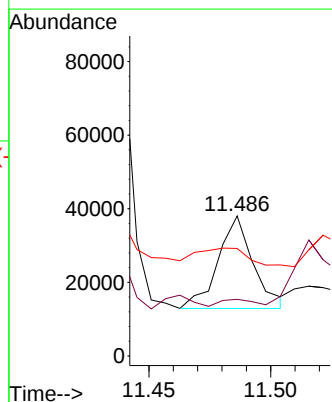
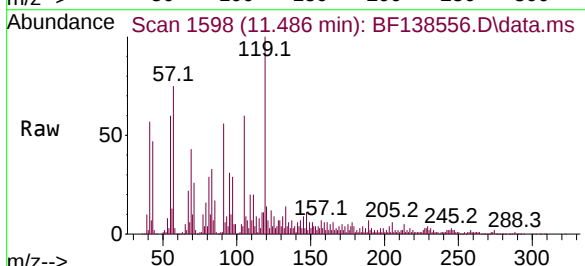
Tgt Ion:178 Resp: 25285

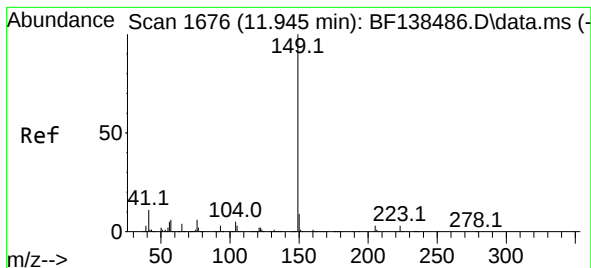
Ion Ratio Lower Upper

178 100

176 40.5 14.8 22.2#

179 76.8 12.2 18.4#





#74

Di-n-butylphthalate

Concen: 4.582 ng

RT: 11.969 min Scan# 1

Delta R.T. 0.024 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

Instrument :

BNA_F

ClientSampleId :

RT-2929

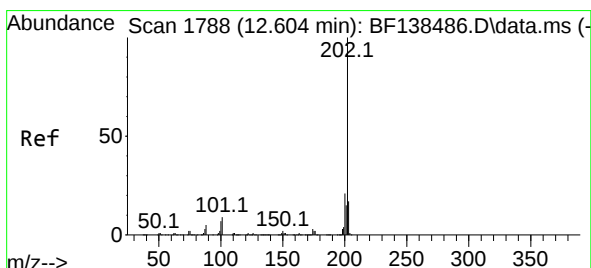
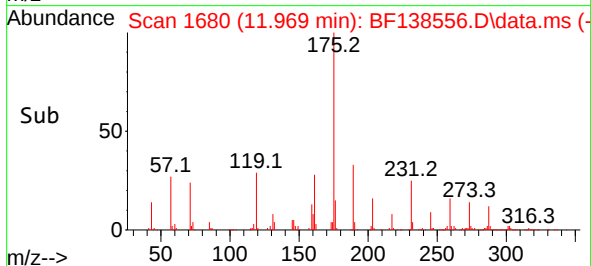
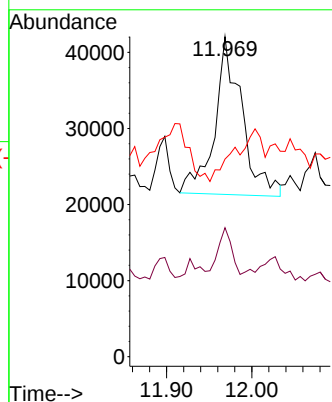
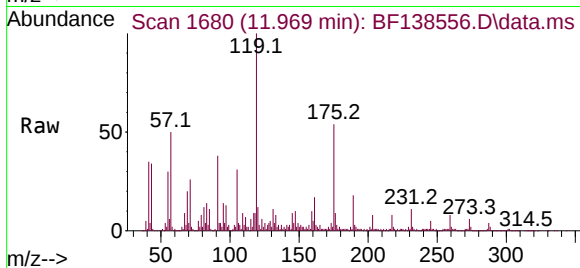
Tgt Ion:149 Resp: 46029

Ion Ratio Lower Upper

149 100

150 40.3 7.4 11.0#

104 61.8 4.4 6.6#



#75

Fluoranthene

Concen: 16.599 ng

RT: 12.657 min Scan# 1797

Delta R.T. 0.053 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

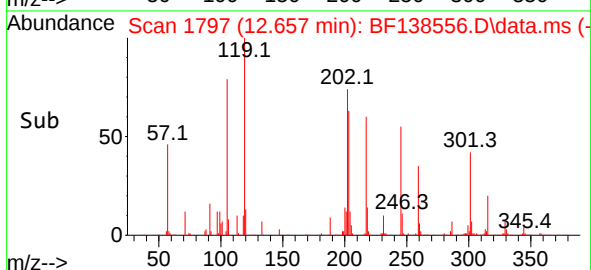
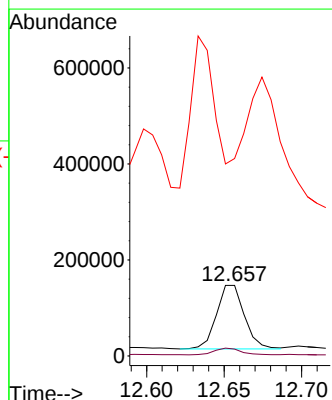
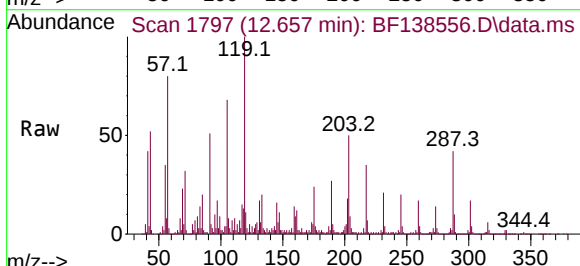
Tgt Ion:202 Resp: 165482

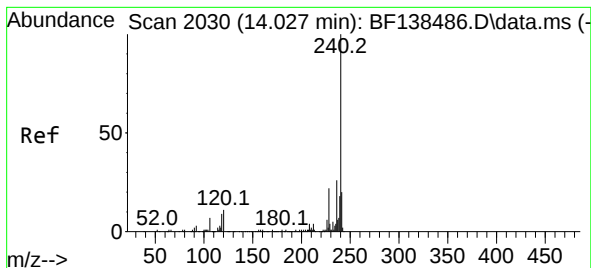
Ion Ratio Lower Upper

202 100

101 9.8 0.0 29.2

203 280.0 0.0 37.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 2030

Delta R.T. 0.065 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

Instrument :

BNA_F

ClientSampleId :

RT-2929

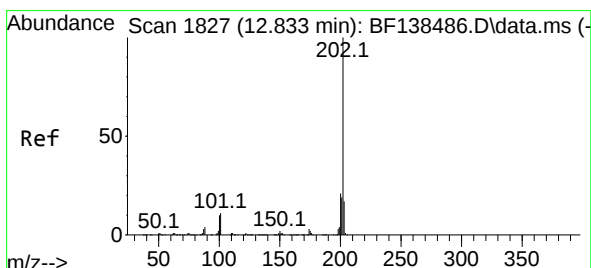
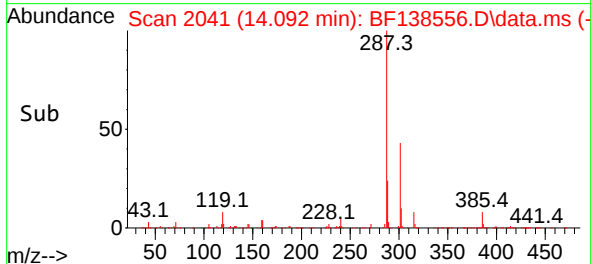
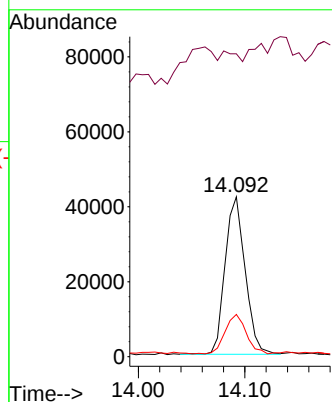
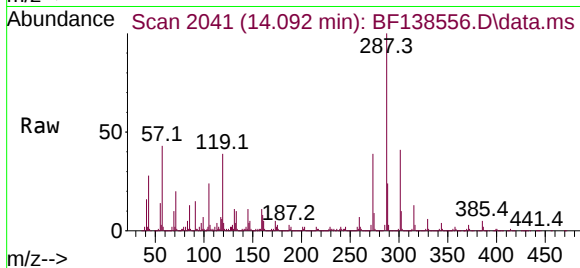
Tgt Ion:240 Resp: 55049

Ion Ratio Lower Upper

240 100

120 189.5 8.6 12.8#

236 26.4 21.0 31.6



#78

Pyrene

Concen: 28.998 ng

RT: 12.886 min Scan# 1836

Delta R.T. 0.053 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

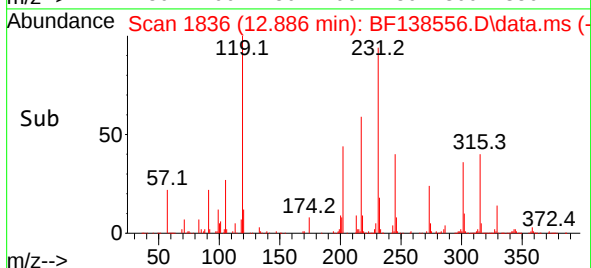
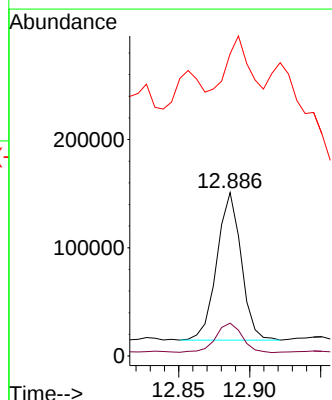
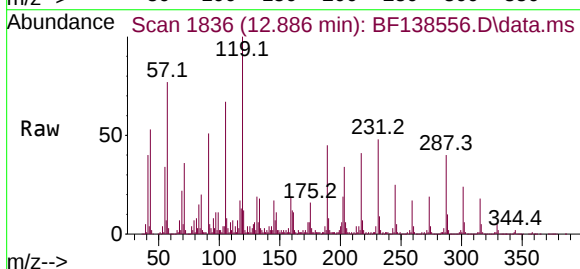
Tgt Ion:202 Resp: 162046

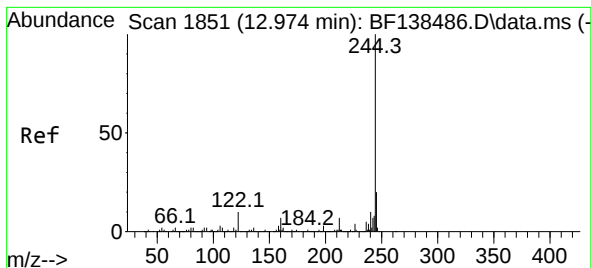
Ion Ratio Lower Upper

202 100

200 20.1 17.0 25.6

203 185.1 13.7 20.5#





#79

Terphenyl-d14

Concen: 107.964 ng

RT: 13.021 min Scan# 1

Delta R.T. 0.047 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

Instrument :

BNA_F

ClientSampleId :

RT-2929

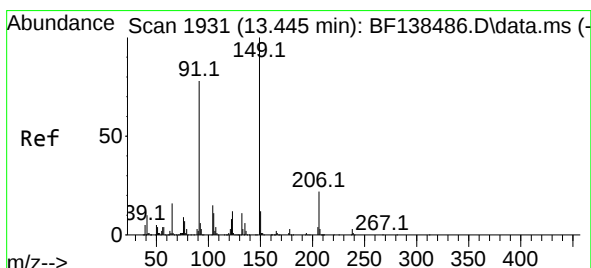
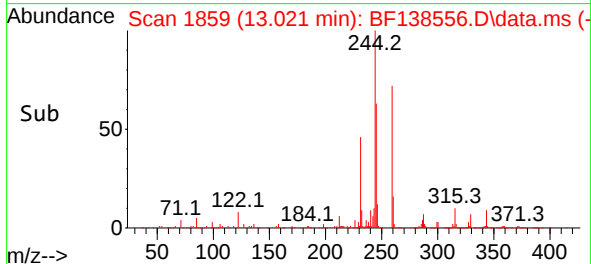
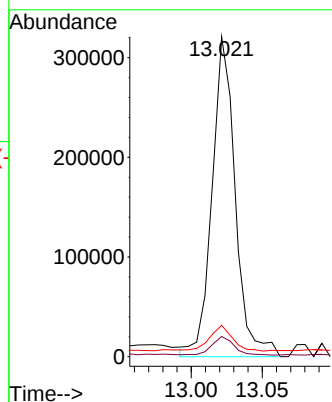
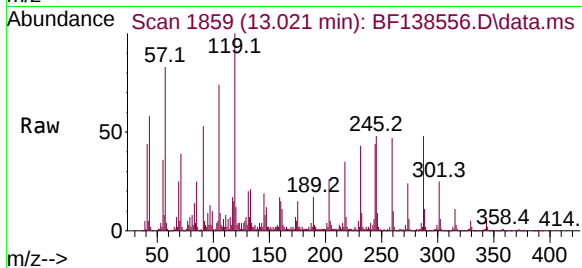
Tgt Ion:244 Resp: 364817

Ion Ratio Lower Upper

244 100

212 6.3 5.5 8.3

122 9.8 7.8 11.8



#80

Butylbenzylphthalate

Concen: 3.550 ng

RT: 13.492 min Scan# 1939

Delta R.T. 0.047 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

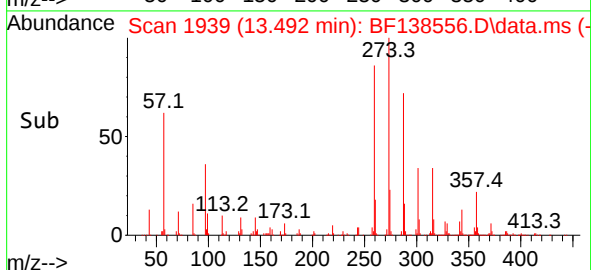
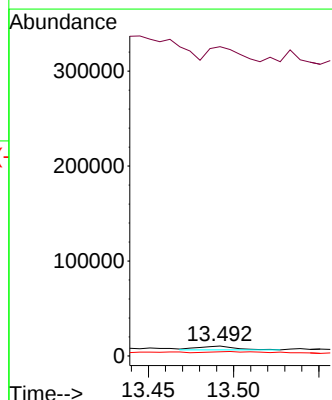
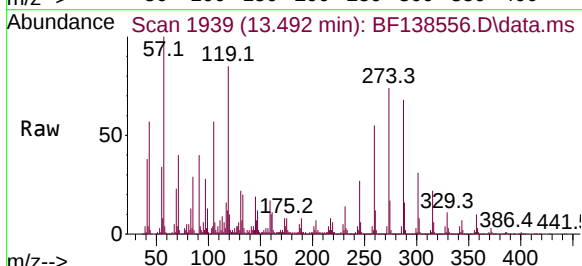
Tgt Ion:149 Resp: 5967

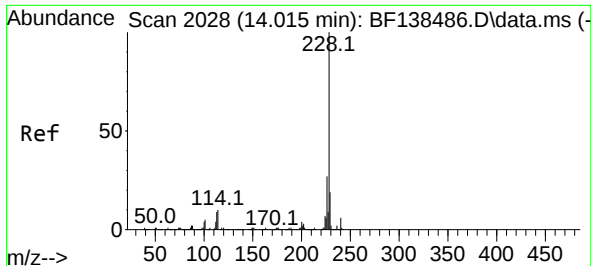
Ion Ratio Lower Upper

149 100

91 3094.5 62.1 93.1#

206 42.0 18.0 27.0#

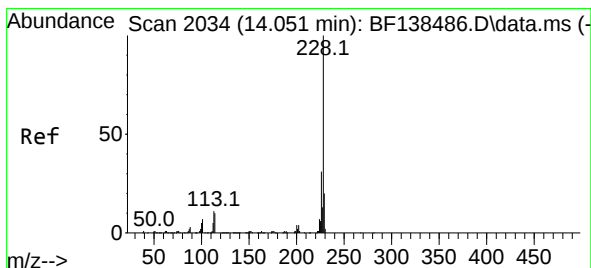
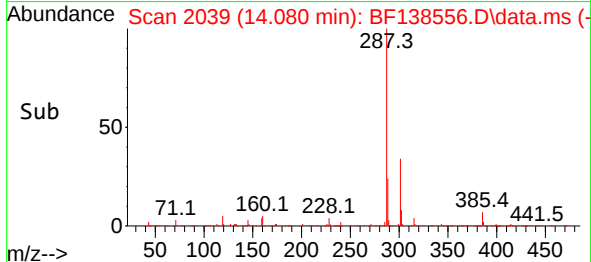
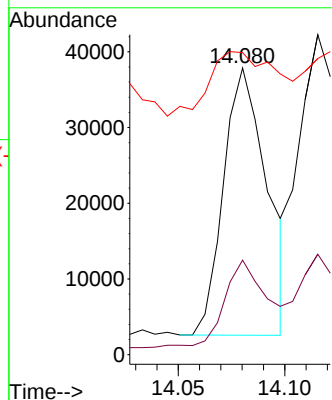
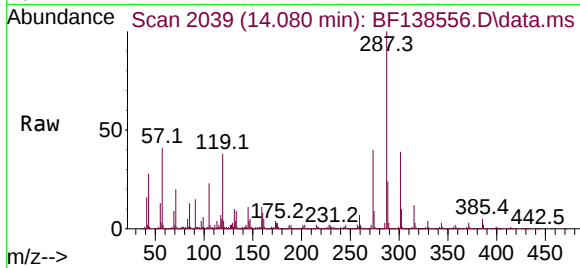




#81
Benzo(a)anthracene
Concen: 13.572 ng
RT: 14.080 min Scan# 2028
Delta R.T. 0.065 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

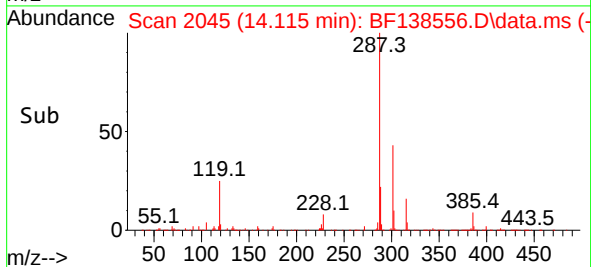
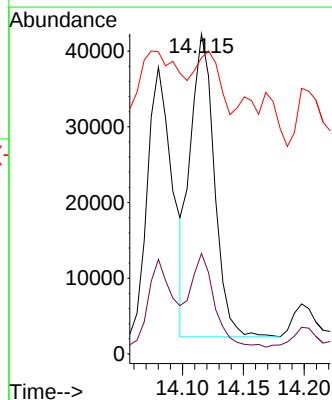
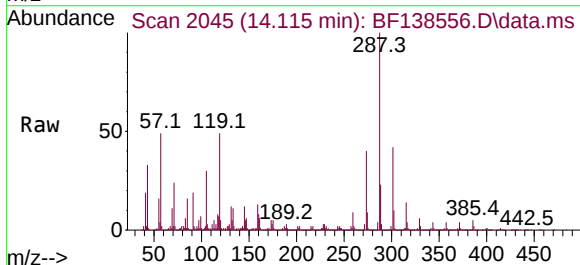
Instrument :
BNA_F
ClientSampleId :
RT-2929

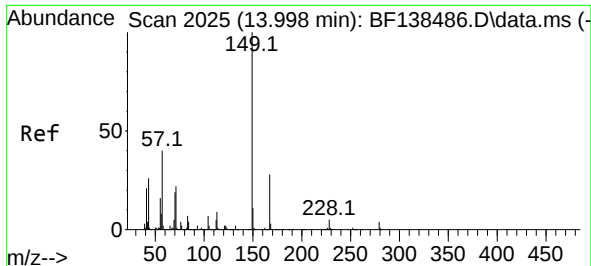
Tgt Ion:228 Resp: 50131
Ion Ratio Lower Upper
228 100
226 33.0 21.9 32.9#
229 105.4 15.5 23.3#



#83
Chrysene
Concen: 15.724 ng
RT: 14.115 min Scan# 2045
Delta R.T. 0.065 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

Tgt Ion:228 Resp: 54945
Ion Ratio Lower Upper
228 100
226 31.4 24.4 36.6
229 92.6 16.0 24.0#

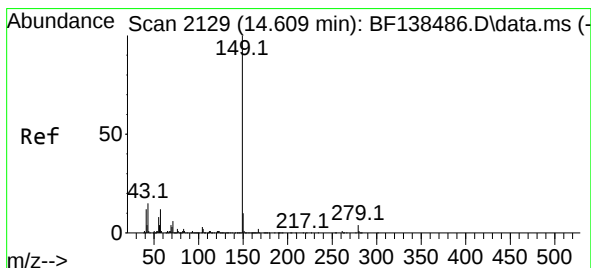
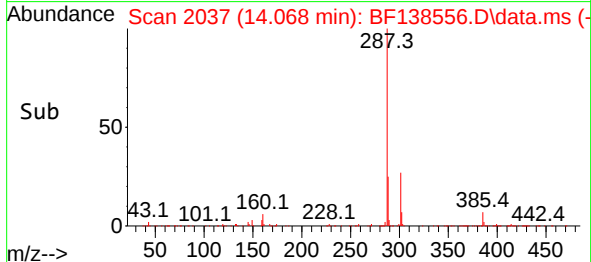
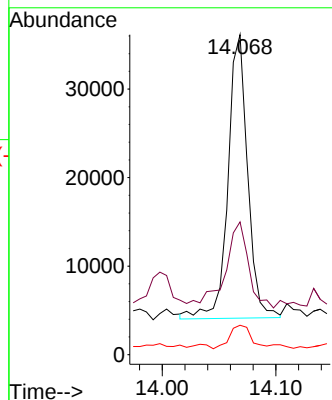
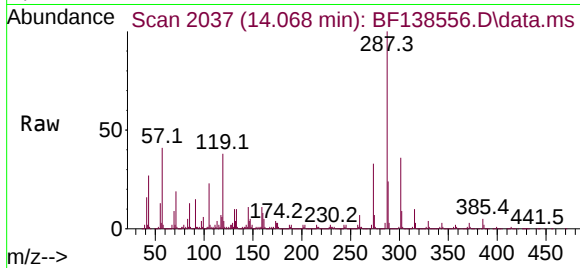




#84
Bis(2-ethylhexyl)phthalate
Concen: 21.496 ng
RT: 14.068 min Scan# 20
Delta R.T. 0.071 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

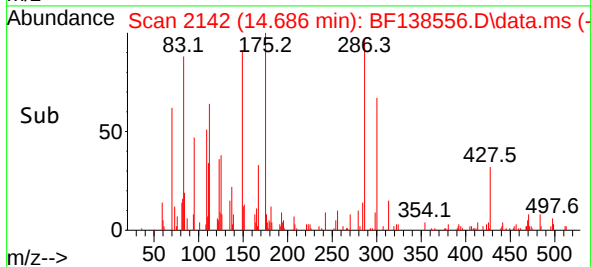
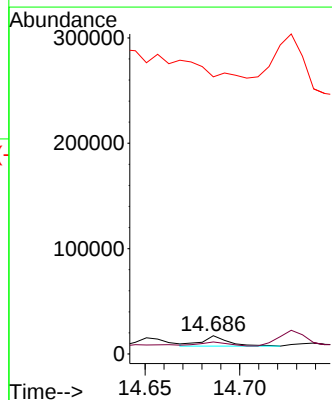
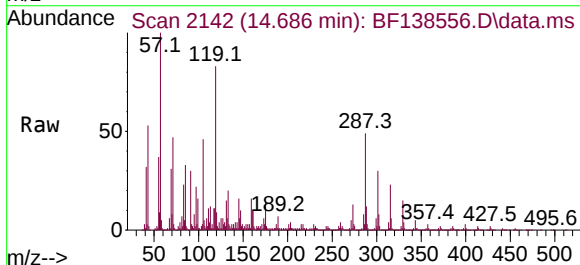
Instrument :
BNA_F
ClientSampleId :
RT-2929

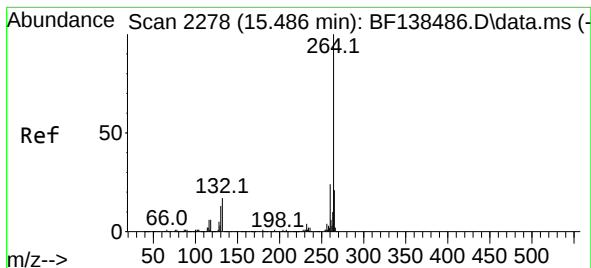
Tgt Ion:149 Resp: 38539
Ion Ratio Lower Upper
149 100
167 41.5 22.5 33.7#
279 9.2 3.0 4.6#



#85
Di-n-octyl phthalate
Concen: 3.343 ng
RT: 14.686 min Scan# 2142
Delta R.T. 0.077 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

Tgt Ion:149 Resp: 9469
Ion Ratio Lower Upper
149 100
167 71.3 1.3 1.9#
43 0.0 10.7 16.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

Instrument :

BNA_F

ClientSampleId :

RT-2929

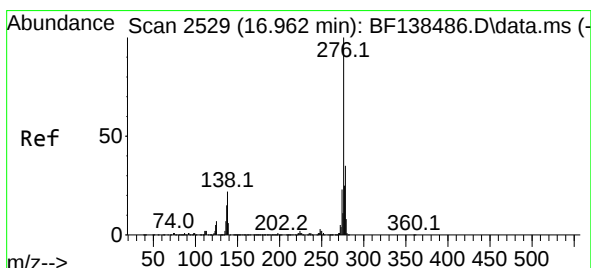
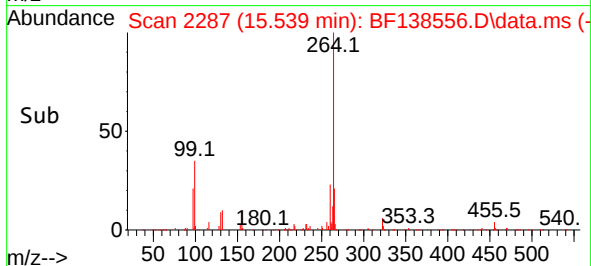
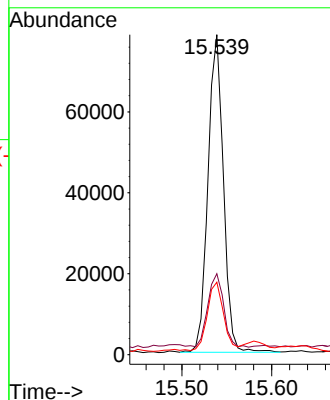
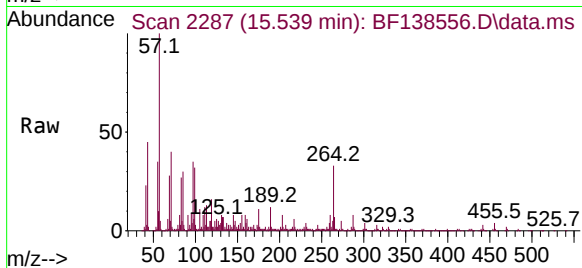
Tgt Ion:264 Resp: 93824

Ion Ratio Lower Upper

264 100

260 25.3 19.0 28.6

265 22.7 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.164 ng

RT: 16.992 min Scan# 2534

Delta R.T. 0.030 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

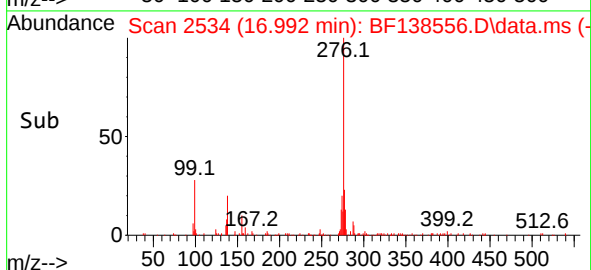
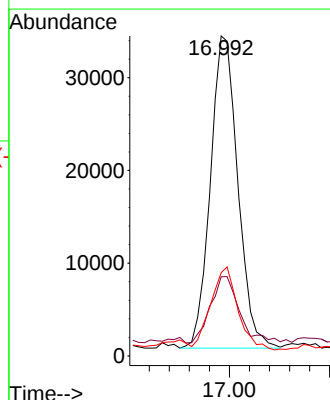
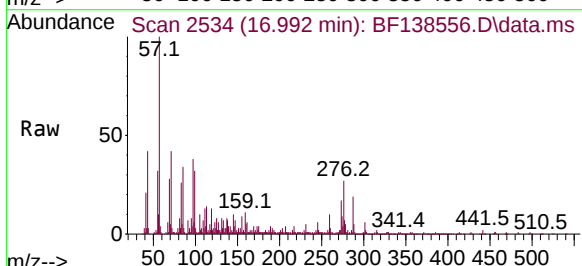
Tgt Ion:276 Resp: 64055

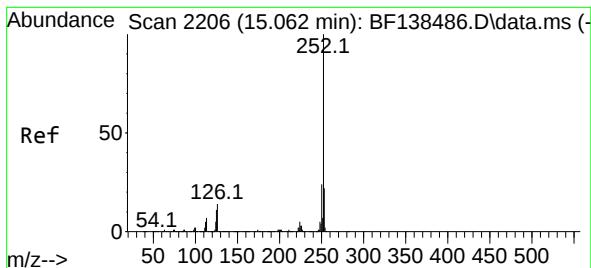
Ion Ratio Lower Upper

276 100

138 22.4 19.6 29.4

277 26.3 20.5 30.7





#88

Benzo(b)fluoranthene

Concen: 30.721 ng

RT: 15.121 min Scan# 2216

Delta R.T. 0.059 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

Instrument :

BNA_F

ClientSampleId :

RT-2929

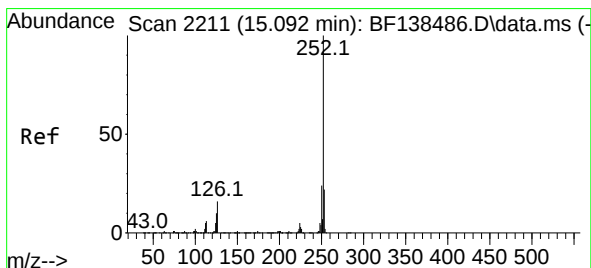
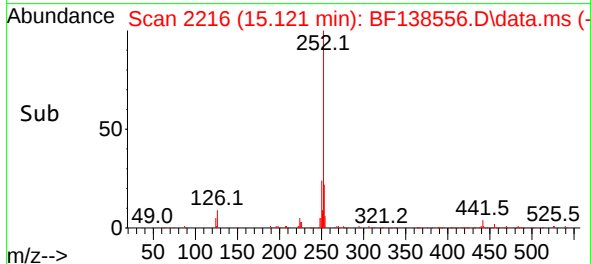
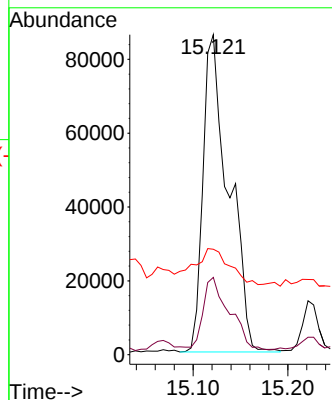
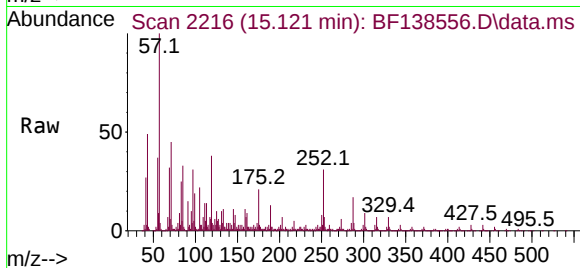
Tgt Ion:252 Resp: 162325

Ion Ratio Lower Upper

252 100

253 24.2 17.3 25.9

125 32.9 8.6 13.0#



#89

Benzo(k)fluoranthene

Concen: 31.499 ng

RT: 15.121 min Scan# 2216

Delta R.T. 0.030 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

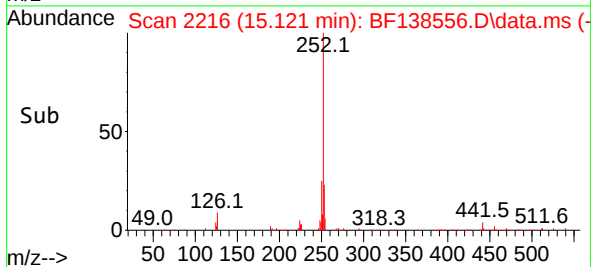
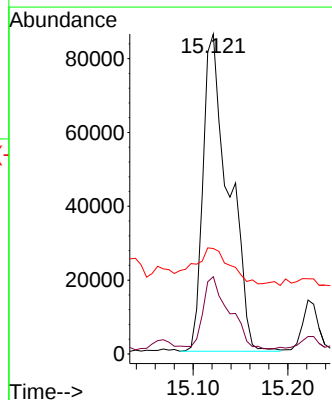
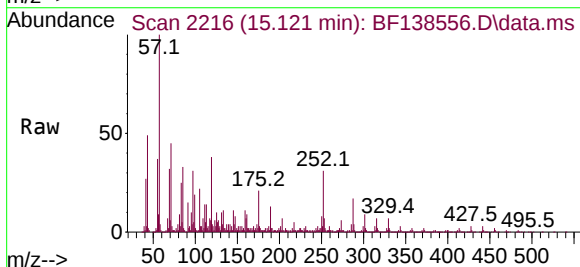
Tgt Ion:252 Resp: 162325

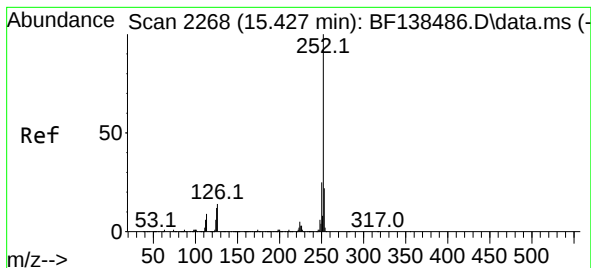
Ion Ratio Lower Upper

252 100

253 24.2 17.7 26.5

125 32.9 8.1 12.1#





#90

Benzo(a)pyrene

Concen: 16.942 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

Instrument :

BNF

ClientSampleId :

RT-2929

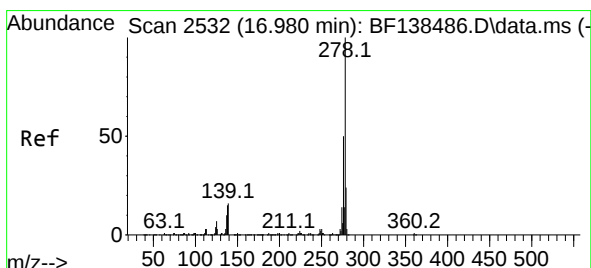
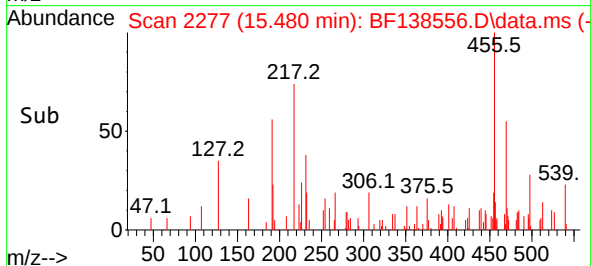
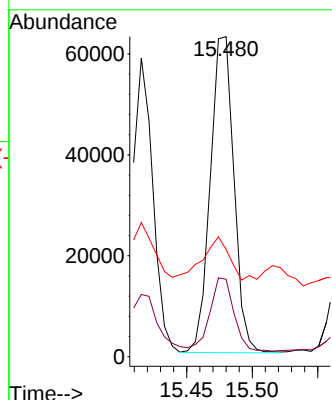
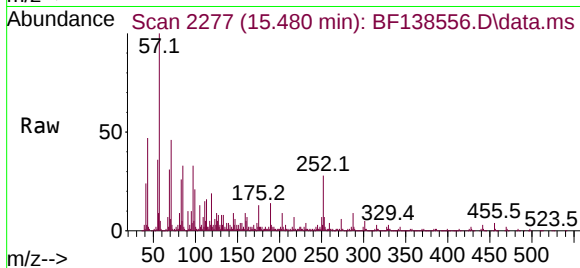
Tgt Ion:252 Resp: 78638

Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.0

125 33.5 9.4 14.2#



#91

Dibenzo(a,h)anthracene

Concen: 3.406 ng

RT: 16.998 min Scan# 2535

Delta R.T. 0.018 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

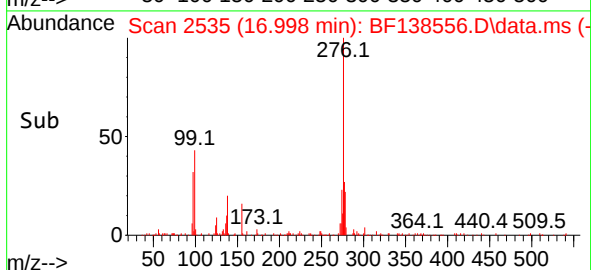
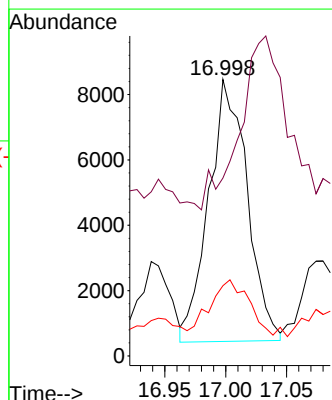
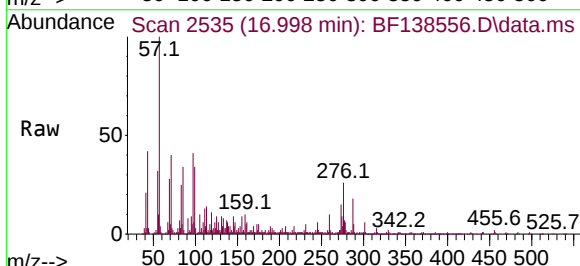
Tgt Ion:278 Resp: 17560

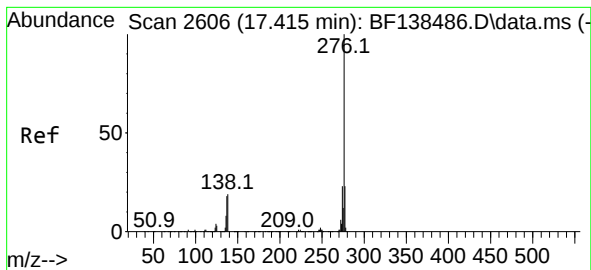
Ion Ratio Lower Upper

278 100

139 64.3 12.8 19.2#

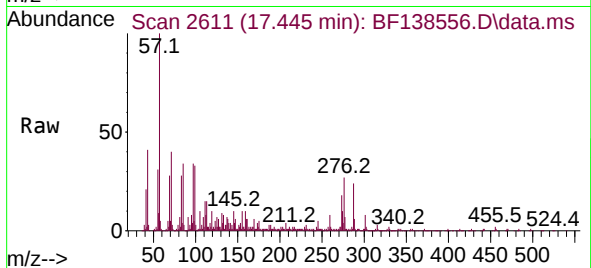
279 25.4 19.1 28.7





#92
 Benzo(g,h,i)perylene
 Concen: 12.870 ng
 RT: 17.445 min Scan# 20
 Delta R.T. 0.029 min
 Lab File: BF138556.D
 Acq: 12 Jul 2024 20:08

Instrument :
 BNA_F
 ClientSampleId :
 RT-2929



Tgt Ion:276	Resp:	70356
Ion	Ratio	Lower Upper
276	100	
277	24.7	18.0 27.0
138	23.1	15.5 23.3

