

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071224\
 Data File : BF138560.D
 Acq On : 12 Jul 2024 22:10
 Operator : CG\JU
 Sample : P3211-03 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-07102024

Quant Time: Jul 12 23:15:15 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)

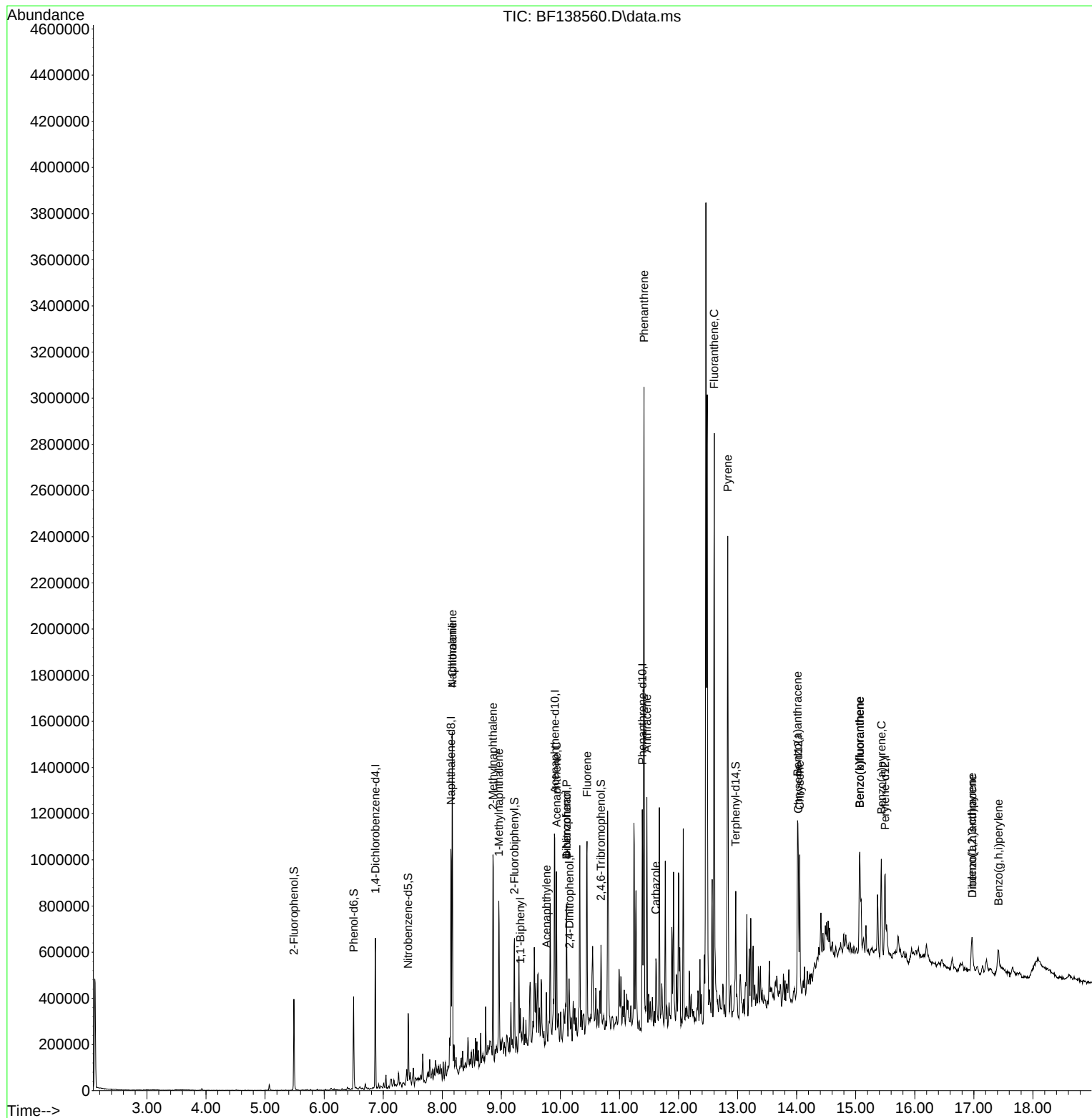
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	89533	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	388986	20.000	ng	# 0.00
39) Acenaphthene-d10	9.904	164	183330	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	333176	20.000	ng	0.00
76) Chrysene-d12	14.027	240	149367	20.000	ng	0.00
86) Perylene-d12	15.498	264	172358	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	92393	16.343	ng	0.00
7) Phenol-d6	6.498	99	117564	15.633	ng	0.00
23) Nitrobenzene-d5	7.422	82	83582	10.550	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	26096	15.231	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	142859	12.179	ng	0.00
79) Terphenyl-d14	12.969	244	152383	16.620	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.169	128	509984	25.209	ng	99
33) 4-Chloroaniline	8.169	127	68242	9.614	ng	# 31
37) 2-Methylnaphthalene	8.857	142	229249	17.609	ng	98
38) 1-Methylnaphthalene	8.957	142	149550	11.770	ng	99
46) 1,1'-Biphenyl	9.322	154	43997	3.167	ng	98
49) Acenaphthylene	9.763	152	43090	2.892	ng	# 94
52) Acenaphthene	9.934	154	118914	12.005	ng	99
54) 2,4-Dinitrophenol	10.151	184	233	4.818	ng	# 1
55) Dibenzofuran	10.104	168	152862	10.639	ng	96
56) 4-Nitrophenol	10.104	139	59328	28.742	ng	# 4
58) Fluorene	10.451	166	222325	19.556	ng	98
71) Phenanthrene	11.416	178	954902	56.730	ng	99
72) Anthracene	11.463	178	325639	19.489	ng	100
73) Carbazole	11.616	167	91446	6.090	ng	98
75) Fluoranthene	12.604	202	842525	49.054	ng	98
78) Pyrene	12.833	202	767558	50.621	ng	99
81) Benzo(a)anthracene	14.016	228	247272	24.672	ng	96
83) Chrysene	14.051	228	207490	21.884	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	106403	9.191	ng	97
88) Benzo(b)fluoranthene	15.068	252	354112	36.481	ng	98
89) Benzo(k)fluoranthene	15.068	252	354112	37.406	ng	# 98
90) Benzo(a)pyrene	15.433	252	204227	23.951	ng	97
91) Dibenzo(a,h)anthracene	16.974	278	29838	3.151	ng	# 73
92) Benzo(g,h,i)perylene	17.415	276	103857	10.342	ng	# 95

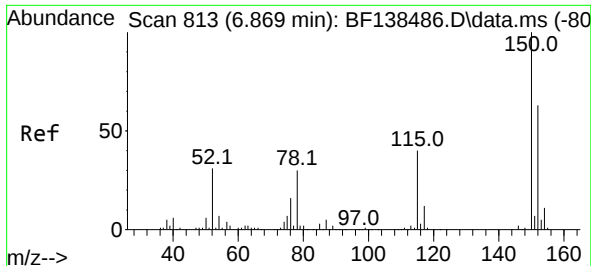
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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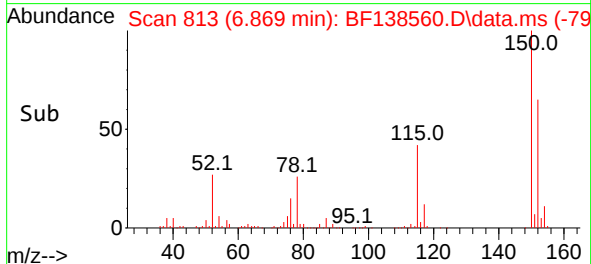
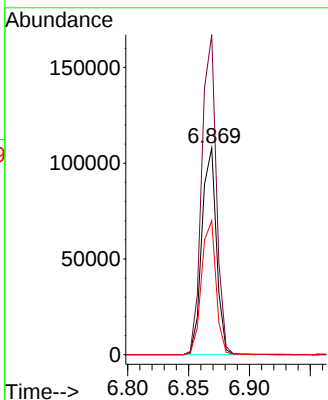
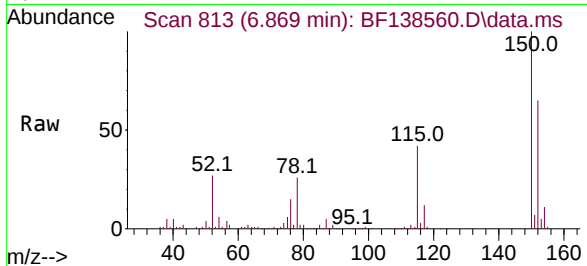




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF138560.D
Acq: 12 Jul 2024 22:10

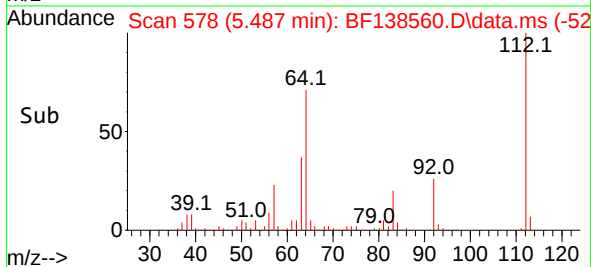
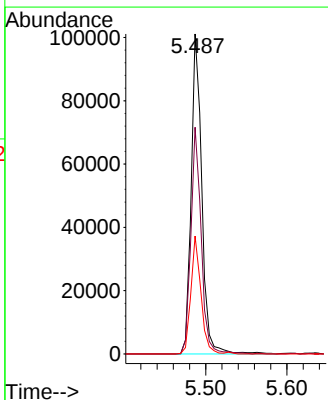
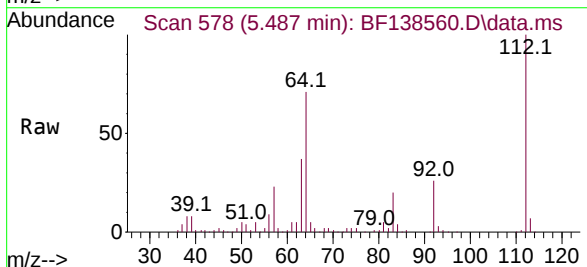
Instrument :
BNA_F
ClientSampleId :
TR-05-07102024

Tgt Ion:152 Resp: 89533
Ion Ratio Lower Upper
152 100
150 154.8 126.2 189.4
115 64.7 50.3 75.5



#5
2-Fluorophenol
Concen: 16.343 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF138560.D
Acq: 12 Jul 2024 22:10

Tgt Ion:112 Resp: 92393
Ion Ratio Lower Upper
112 100
64 70.9 55.1 82.7
63 36.9 29.0 43.6

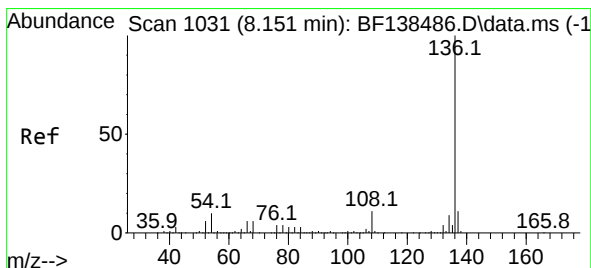
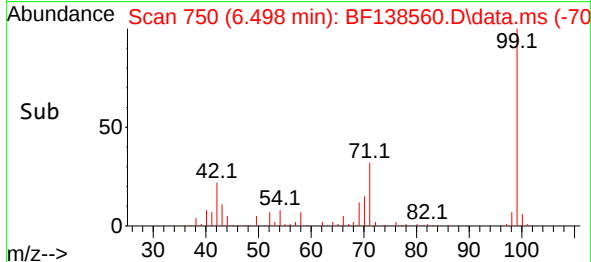
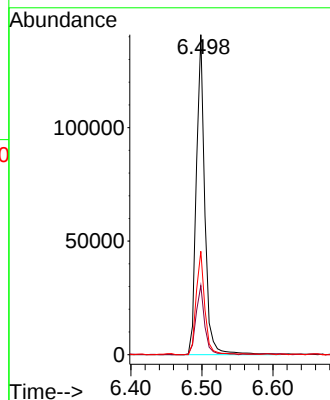
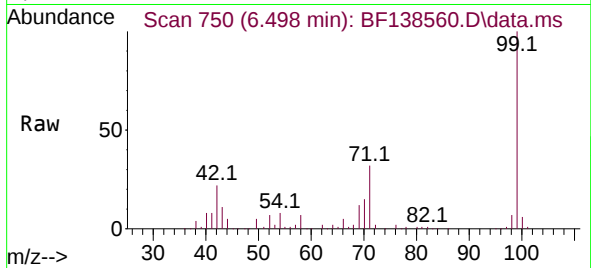




#7
Phenol-d6
Concen: 15.633 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138560.D
Acq: 12 Jul 2024 22:10

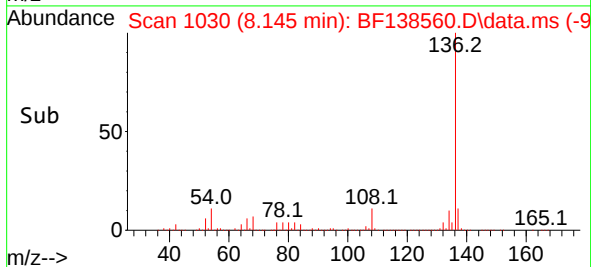
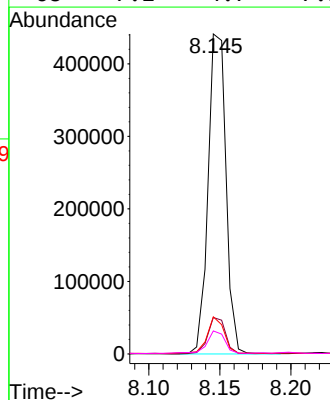
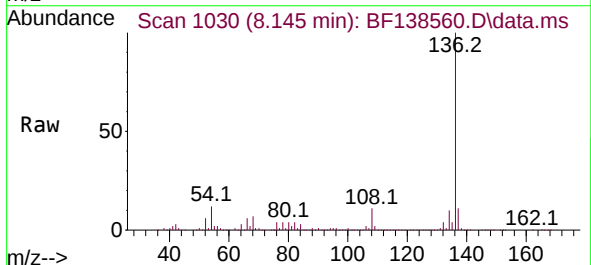
Instrument :
BNA_F
ClientSampleId :
TR-05-07102024

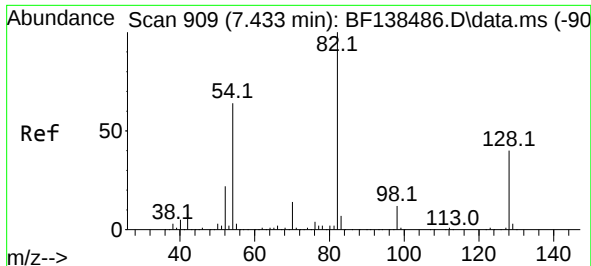
Tgt Ion: 99 Resp: 117564
Ion Ratio Lower Upper
99 100
42 21.6 19.7 29.5
71 32.3 29.9 44.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF138560.D
Acq: 12 Jul 2024 22:10

Tgt Ion: 136 Resp: 388986
Ion Ratio Lower Upper
136 100
137 11.4 8.5 12.7
54 11.6 8.1 12.1
68 7.2 4.7 7.1#





#23

Nitrobenzene-d5

Concen: 10.550 ng

RT: 7.422 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF138560.D

Acq: 12 Jul 2024 22:10

Instrument :

BNA_F

ClientSampleId :

TR-05-07102024

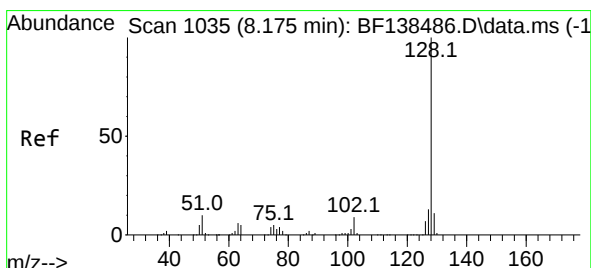
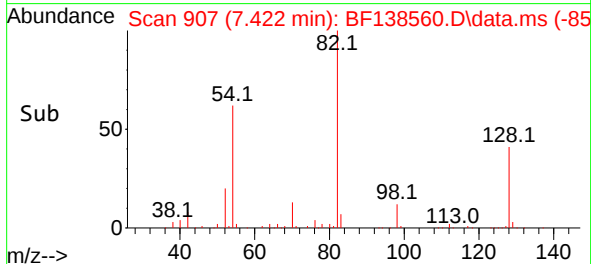
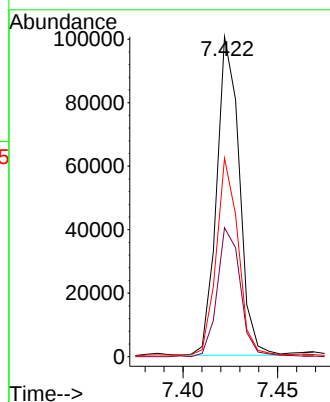
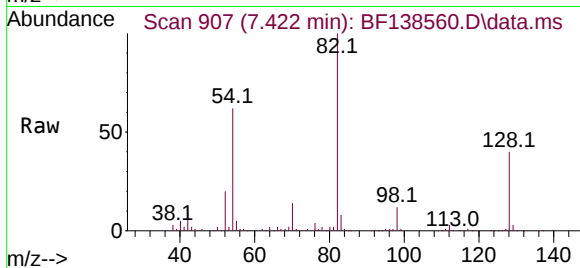
Tgt Ion: 82 Resp: 83582

Ion Ratio Lower Upper

82 100

128 40.3 32.3 48.5

54 62.1 51.4 77.0



#31

Naphthalene

Concen: 25.209 ng

RT: 8.169 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF138560.D

Acq: 12 Jul 2024 22:10

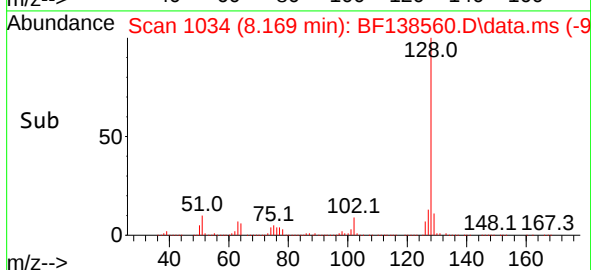
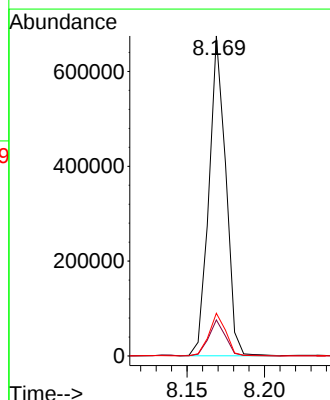
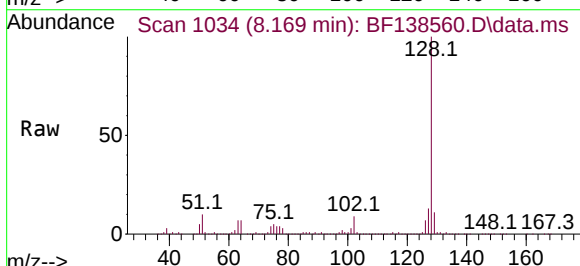
Tgt Ion:128 Resp: 509984

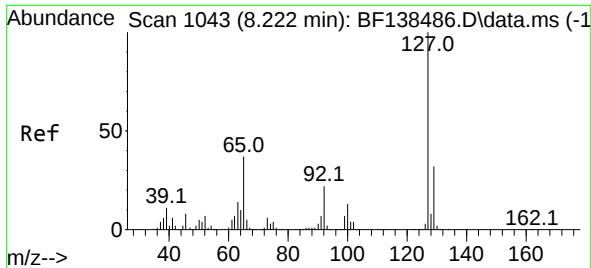
Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

127 13.4 10.7 16.1

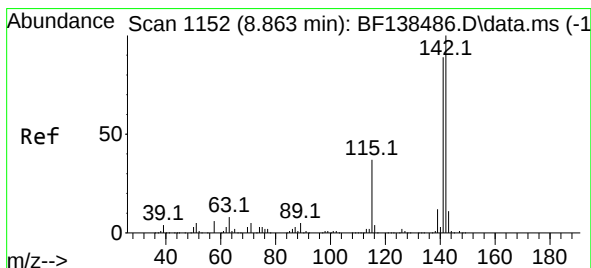
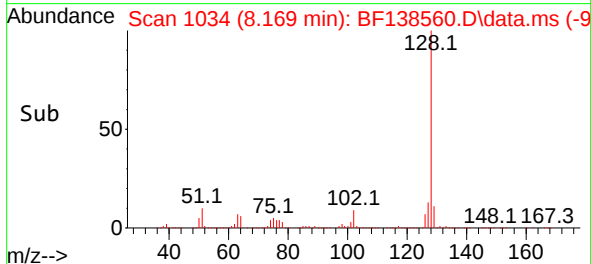
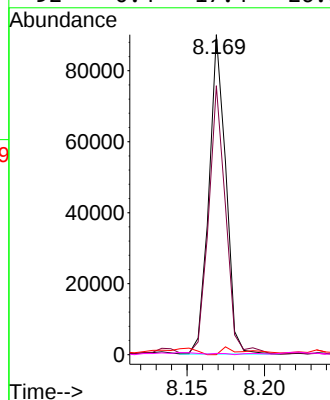
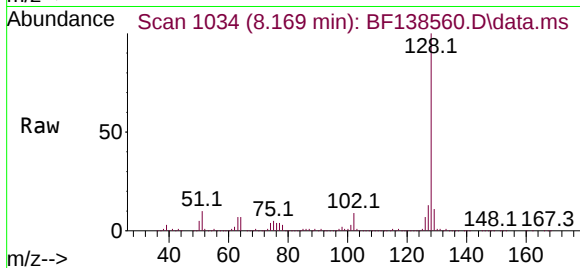




#33
4-Chloroaniline
Concen: 9.614 ng
RT: 8.169 min Scan# 110
Delta R.T. -0.053 min
Lab File: BF138560.D
Acq: 12 Jul 2024 22:10

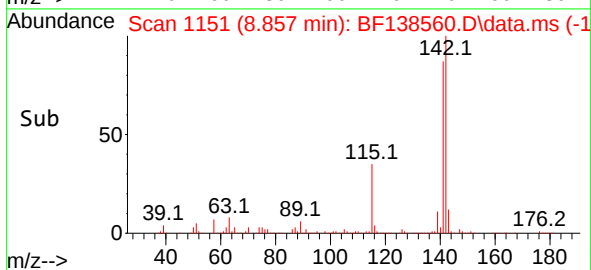
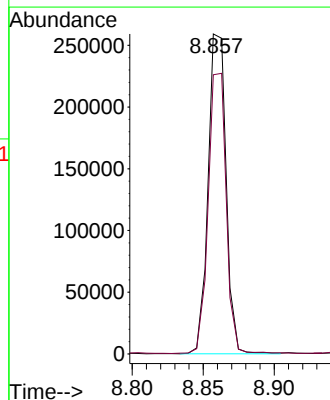
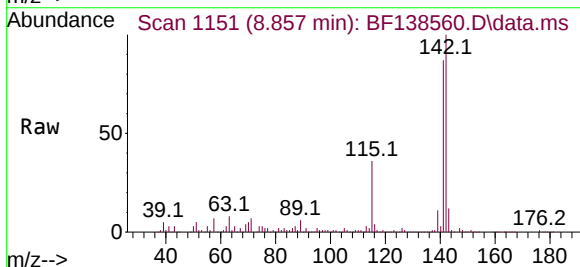
Instrument :
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TR-05-07102024

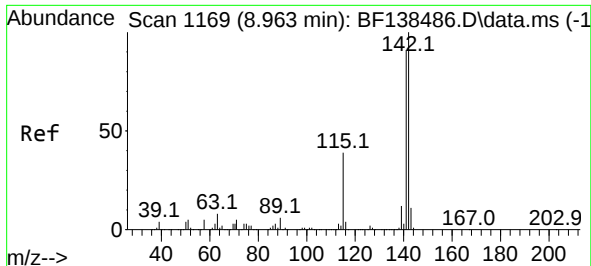
Tgt Ion:	127	Resp:	68242
Ion	Ratio	Lower	Upper
127	100		
129	84.1	25.6	38.4#
65	0.0	29.6	44.4#
92	0.4	17.4	26.0#



#37
2-Methylnaphthalene
Concen: 17.609 ng
RT: 8.857 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF138560.D
Acq: 12 Jul 2024 22:10

Tgt Ion:	142	Resp:	229249
Ion	Ratio	Lower	Upper
142	100		
141	87.2	71.4	107.0

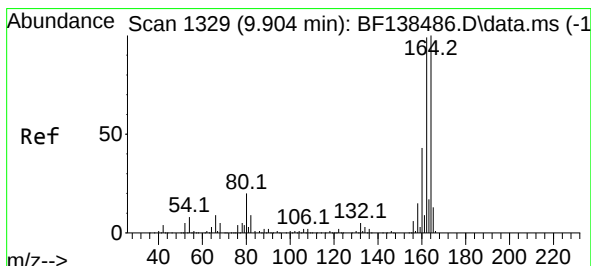
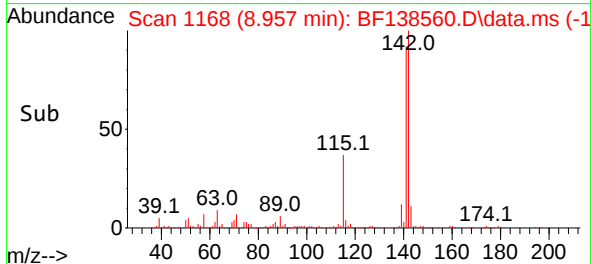
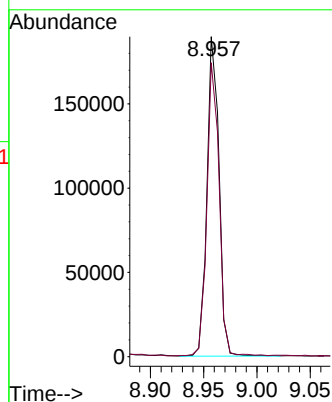
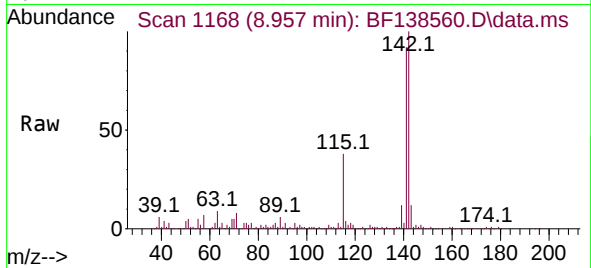




#38
1-Methylnaphthalene
Concen: 11.770 ng
RT: 8.957 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF138560.D
Acq: 12 Jul 2024 22:10

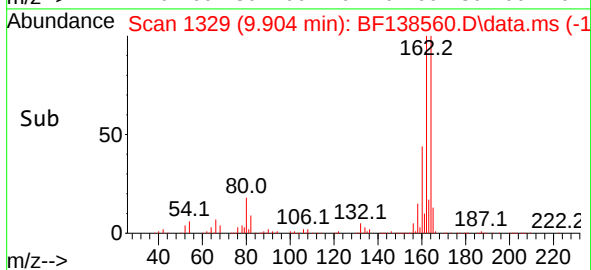
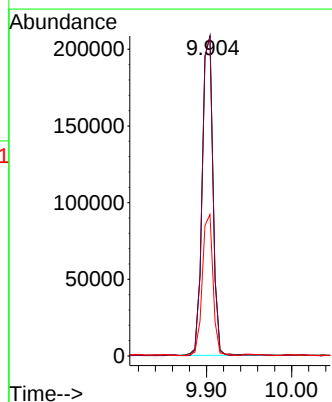
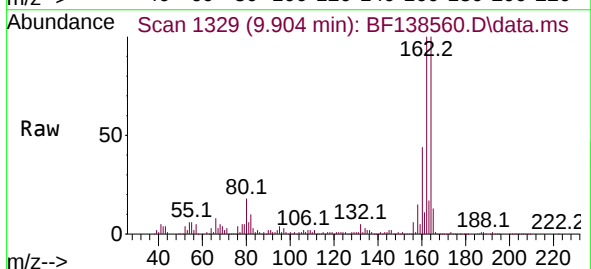
Instrument :
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ClientSampleId :
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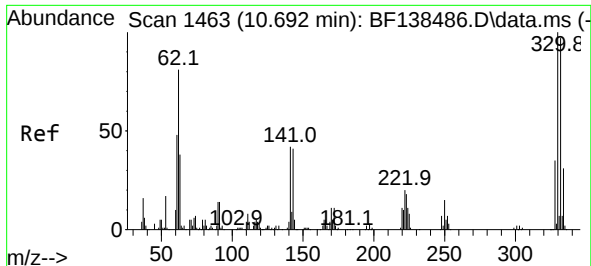
Tgt Ion:142 Resp: 149550
Ion Ratio Lower Upper
142 100
141 91.8 72.6 108.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BF138560.D
Acq: 12 Jul 2024 22:10

Tgt Ion:164 Resp: 183330
Ion Ratio Lower Upper
164 100
162 99.7 79.0 118.6
160 44.2 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 15.231 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF138560.D

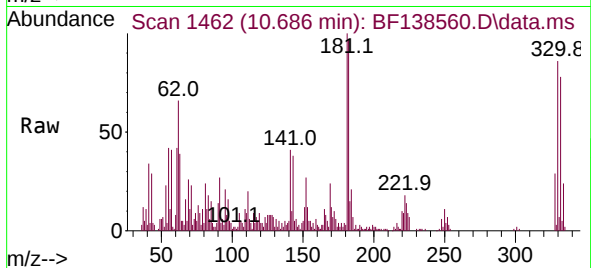
Acq: 12 Jul 2024 22:10

Instrument :

BNA_F

ClientSampleId :

TR-05-07102024



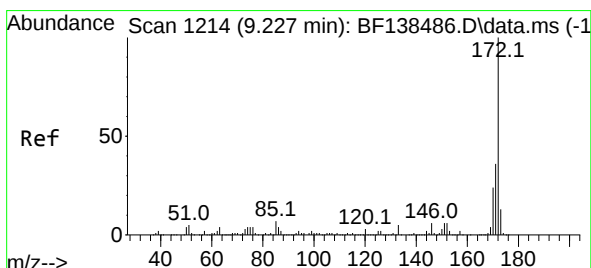
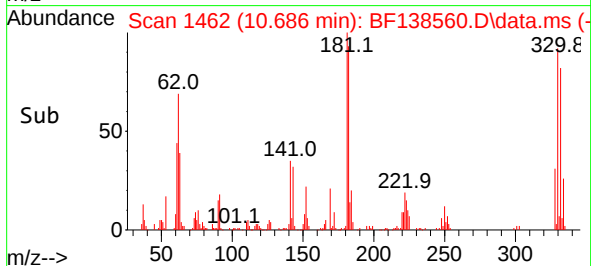
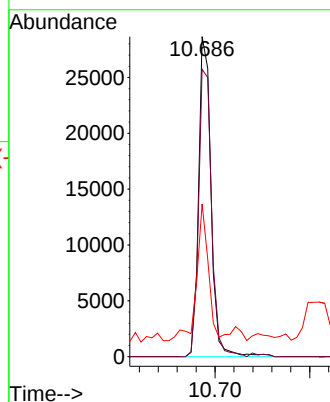
Tgt Ion:330 Resp: 26096

Ion Ratio Lower Upper

330 100

332 93.9 76.8 115.2

141 40.8 29.4 44.2



#45

2-Fluorobiphenyl

Concen: 12.179 ng

RT: 9.222 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF138560.D

Acq: 12 Jul 2024 22:10

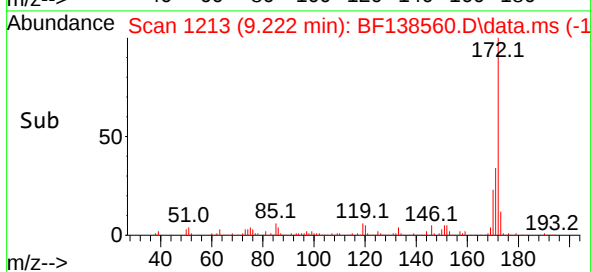
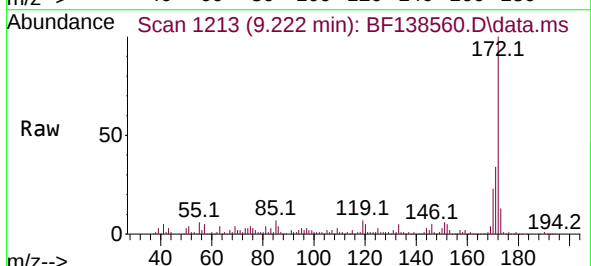
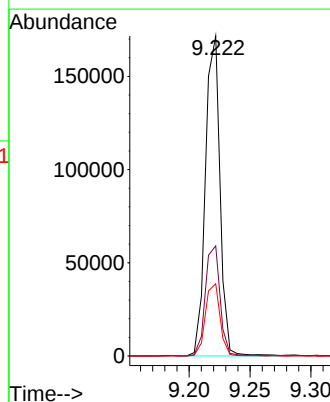
Tgt Ion:172 Resp: 142859

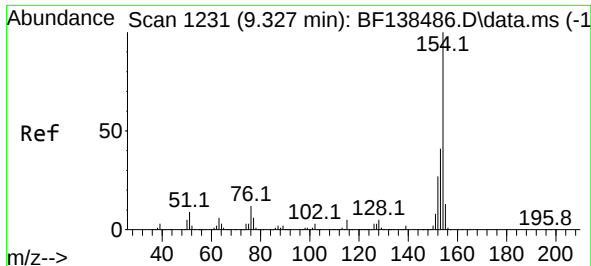
Ion Ratio Lower Upper

172 100

171 34.4 28.9 43.3

170 22.6 18.9 28.3





#46

1,1'-Biphenyl

Concen: 3.167 ng

RT: 9.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138560.D

Acq: 12 Jul 2024 22:10

Instrument :

BNA_F

ClientSampleId :

TR-05-07102024

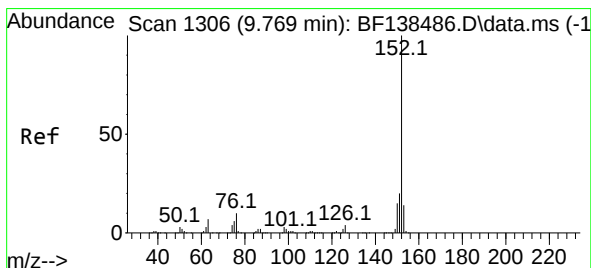
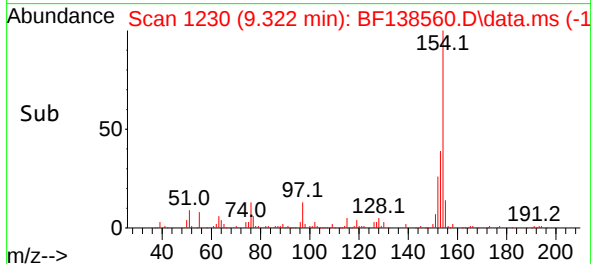
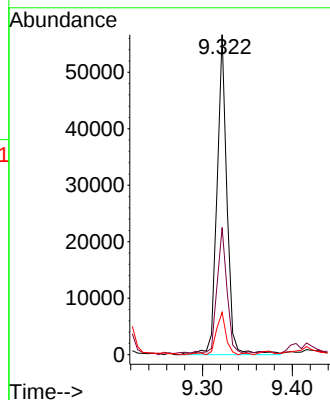
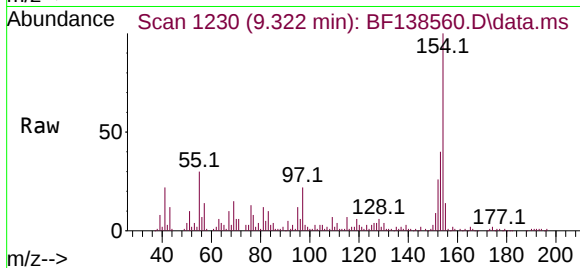
Tgt Ion:154 Resp: 43997

Ion Ratio Lower Upper

154 100

153 39.7 20.7 60.7

76 13.3 0.0 32.2



#49

Acenaphthylene

Concen: 2.892 ng

RT: 9.763 min Scan# 1305

Delta R.T. -0.006 min

Lab File: BF138560.D

Acq: 12 Jul 2024 22:10

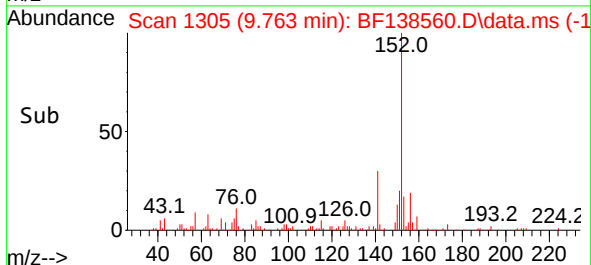
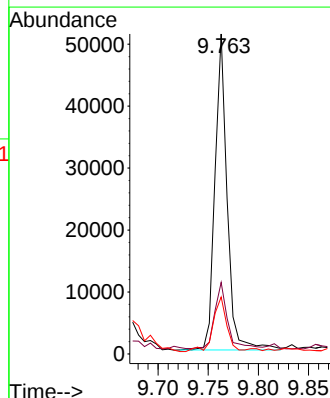
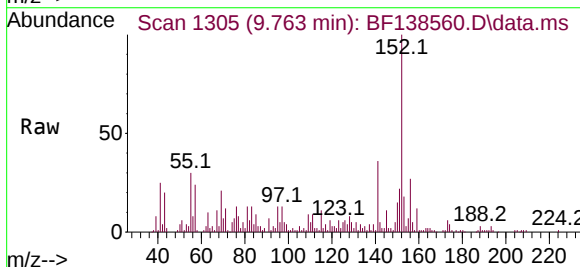
Tgt Ion:152 Resp: 43090

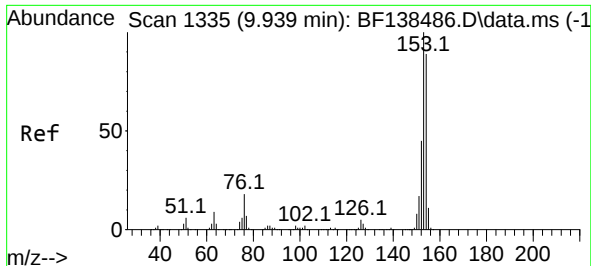
Ion Ratio Lower Upper

152 100

151 22.4 16.3 24.5

153 17.8 11.3 16.9#

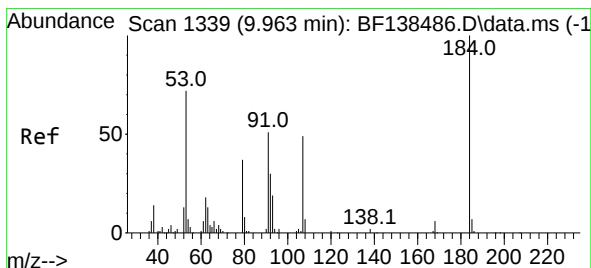
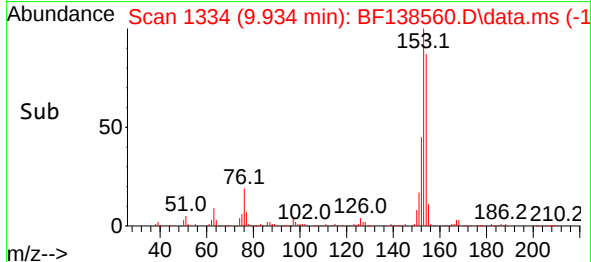
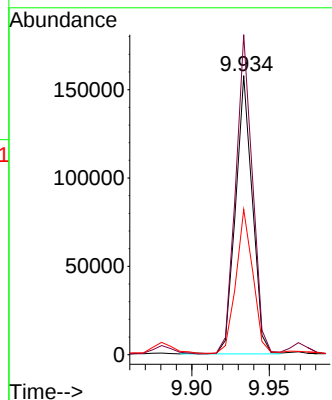
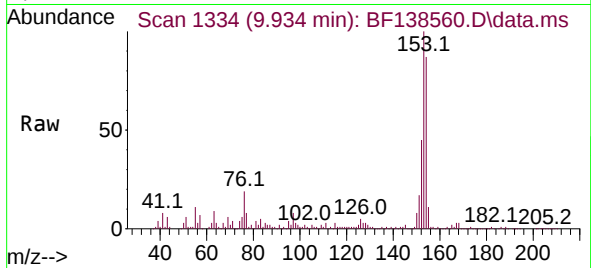




#52
Acenaphthene
Concen: 12.005 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138560.D
Acq: 12 Jul 2024 22:10

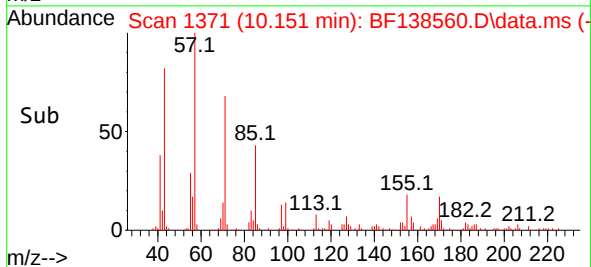
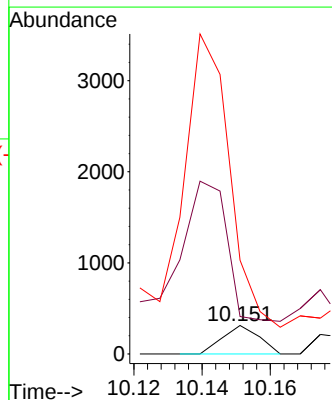
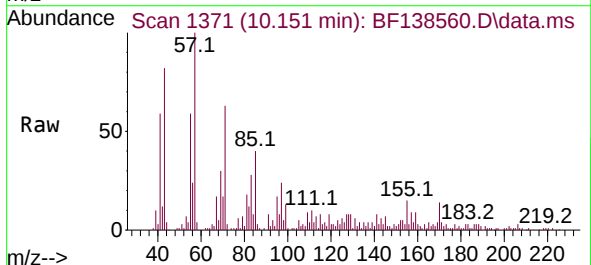
Instrument :
BNA_F
ClientSampleId :
TR-05-07102024

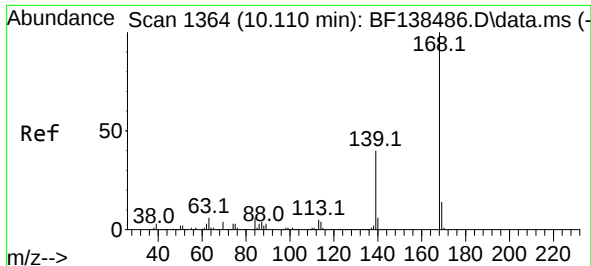
Tgt Ion:154 Resp: 118914
Ion Ratio Lower Upper
154 100
153 114.7 90.4 135.6
152 52.1 41.1 61.7



#54
2,4-Dinitrophenol
Concen: 4.818 ng
RT: 10.151 min Scan# 1371
Delta R.T. 0.188 min
Lab File: BF138560.D
Acq: 12 Jul 2024 22:10

Tgt Ion:184 Resp: 233
Ion Ratio Lower Upper
184 100
63 131.6 70.6 106.0#
154 329.1 53.8 80.6#

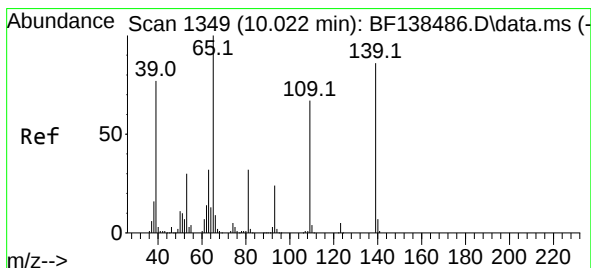
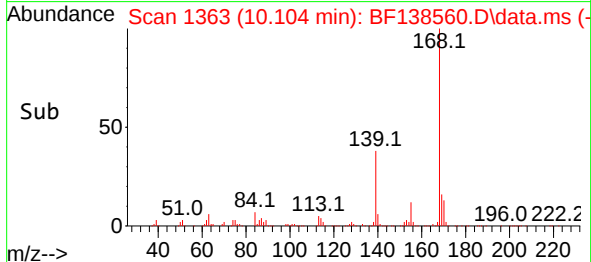
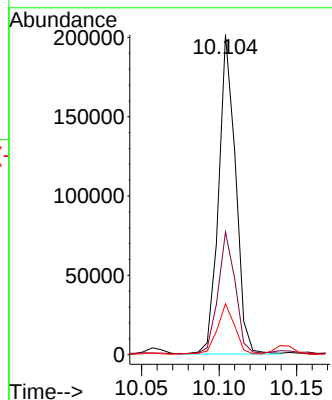
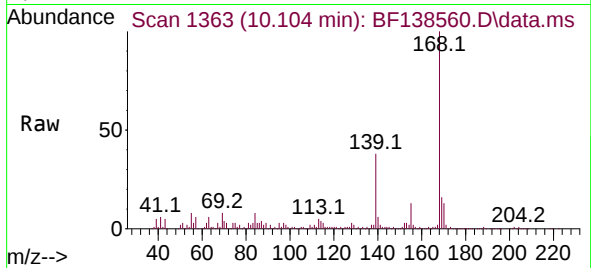




#55
Dibenzenofuran
Concen: 10.639 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.006 min
Lab File: BF138560.D
Acq: 12 Jul 2024 22:10

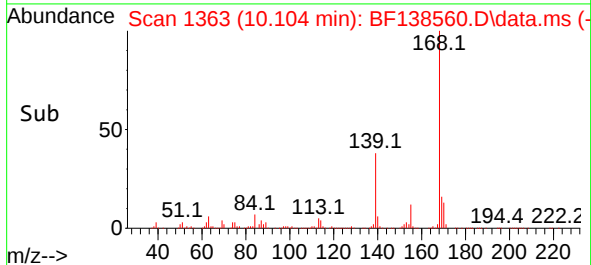
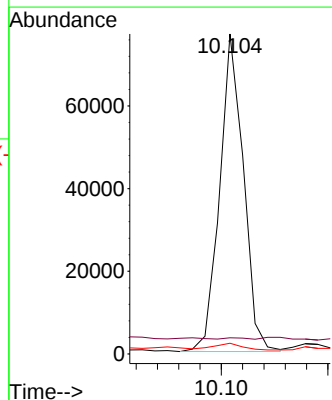
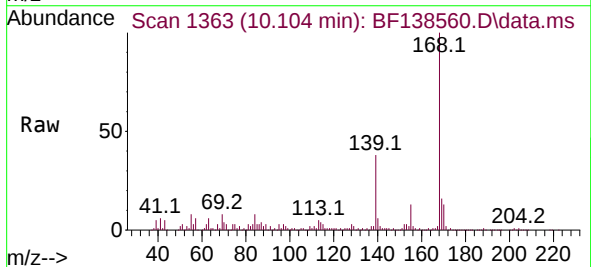
Instrument :
BNA_F
ClientSampleId :
TR-05-07102024

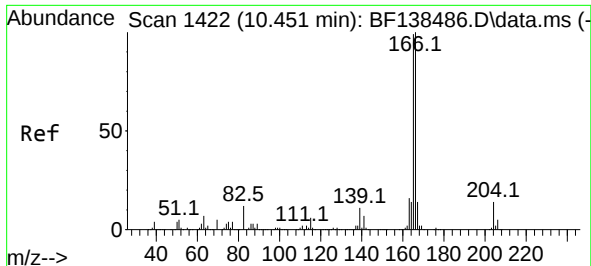
Tgt Ion:168 Resp: 152862
Ion Ratio Lower Upper
168 100
139 38.4 32.4 48.6
169 15.9 10.9 16.3



#56
4-Nitrophenol
Concen: 28.742 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.083 min
Lab File: BF138560.D
Acq: 12 Jul 2024 22:10

Tgt Ion:139 Resp: 59328
Ion Ratio Lower Upper
139 100
109 5.0 58.1 98.1#
65 3.4 96.9 136.9#

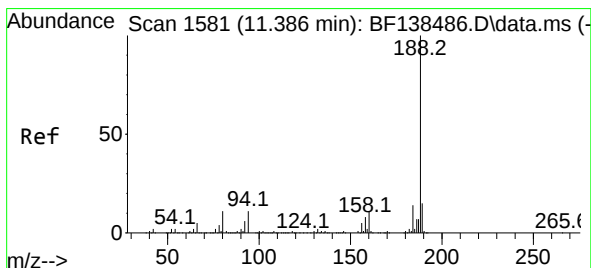
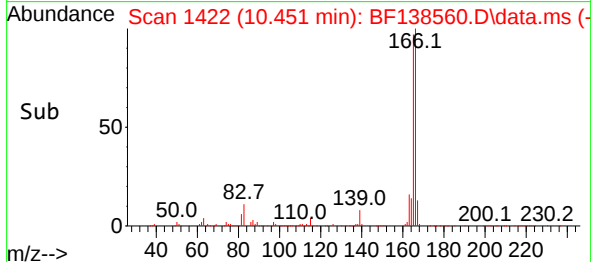
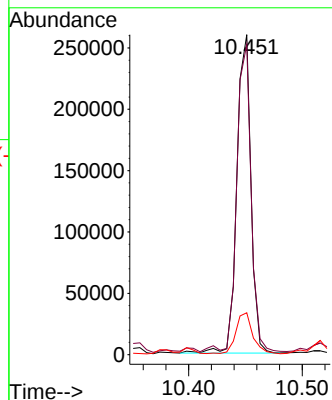
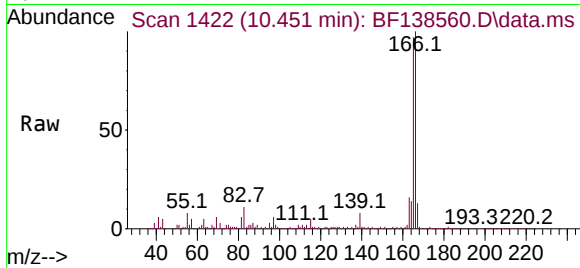




#58
 Fluorene
 Concen: 19.556 ng
 RT: 10.451 min Scan# 1422
 Delta R.T. 0.000 min
 Lab File: BF138560.D
 Acq: 12 Jul 2024 22:10

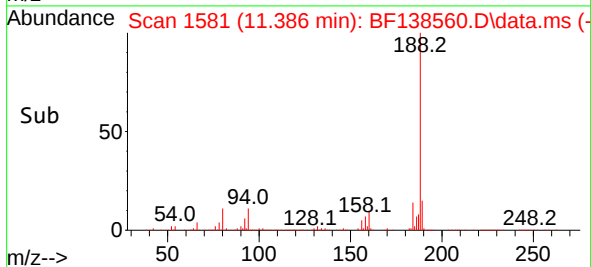
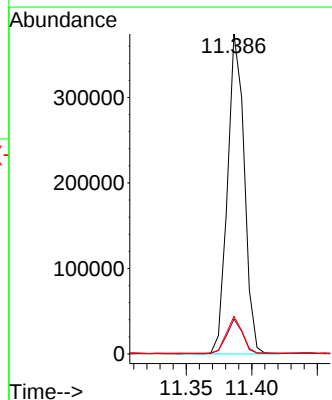
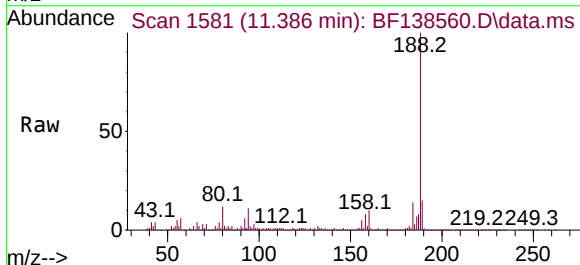
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-07102024

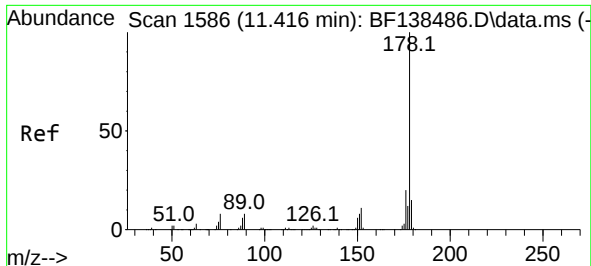
Tgt Ion:166 Resp: 222325
 Ion Ratio Lower Upper
 166 100
 165 97.0 79.1 118.7
 167 13.1 11.0 16.6



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.386 min Scan# 1581
 Delta R.T. 0.000 min
 Lab File: BF138560.D
 Acq: 12 Jul 2024 22:10

Tgt Ion:188 Resp: 333176
 Ion Ratio Lower Upper
 188 100
 94 10.9 8.7 13.1
 80 11.7 9.0 13.4

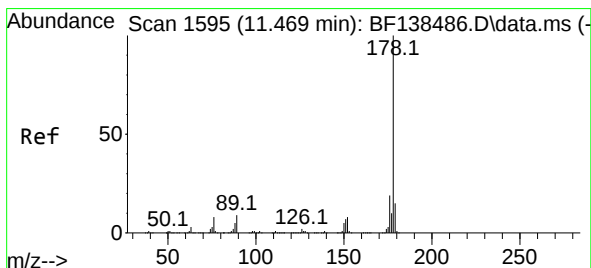
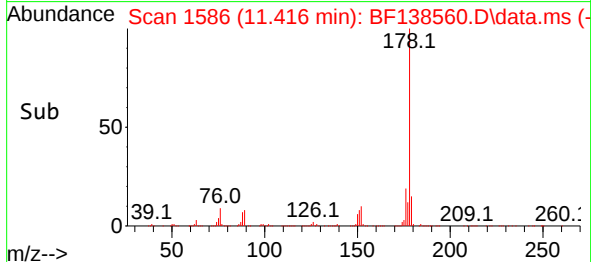
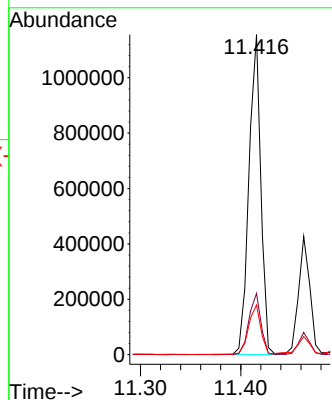
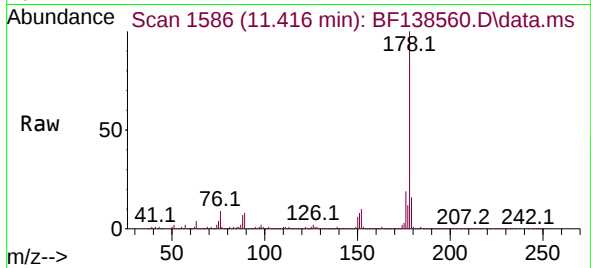




#71
Phenanthrene
Concen: 56.730 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF138560.D
Acq: 12 Jul 2024 22:10

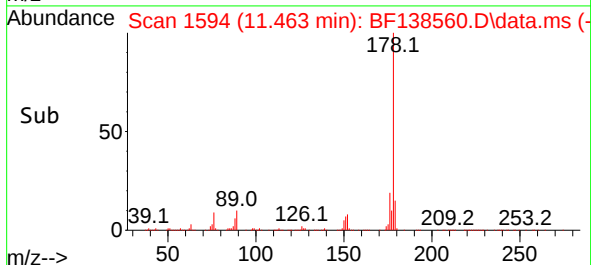
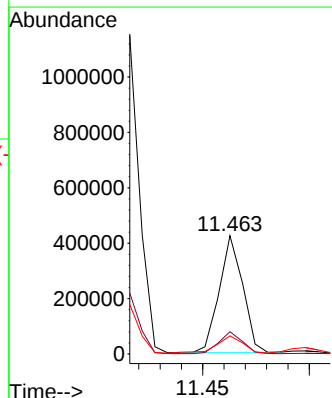
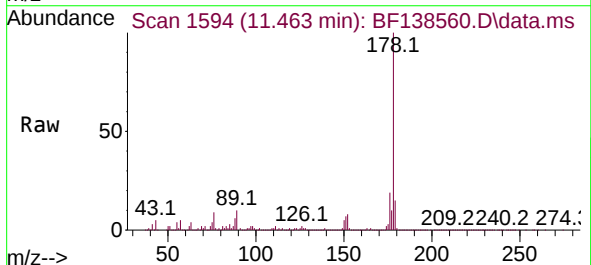
Instrument :
BNA_F
ClientSampleId :
TR-05-07102024

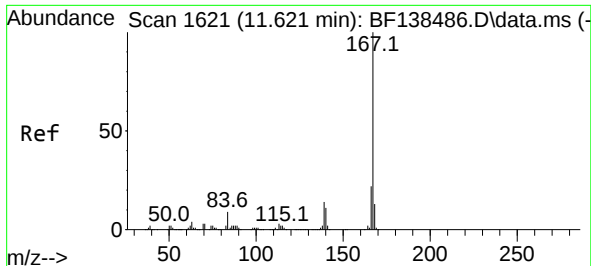
Tgt Ion:178 Resp: 954902
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.6 12.2 18.2



#72
Anthracene
Concen: 19.489 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF138560.D
Acq: 12 Jul 2024 22:10

Tgt Ion:178 Resp: 325639
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 15.3 12.2 18.4

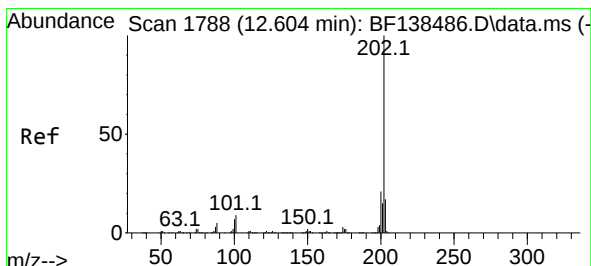
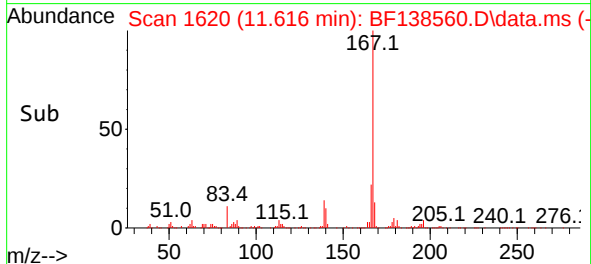
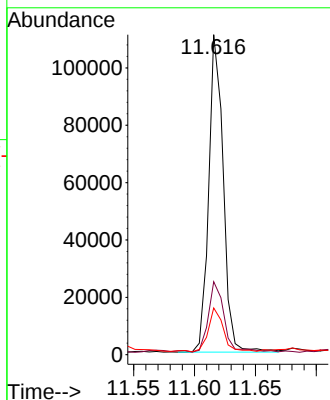
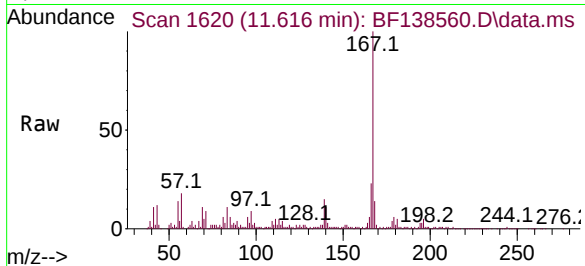




#73
 Carbazole
 Concen: 6.090 ng
 RT: 11.616 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF138560.D
 Acq: 12 Jul 2024 22:10

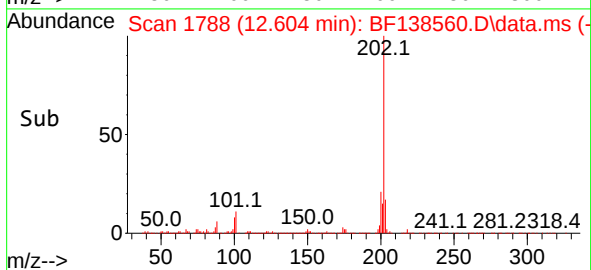
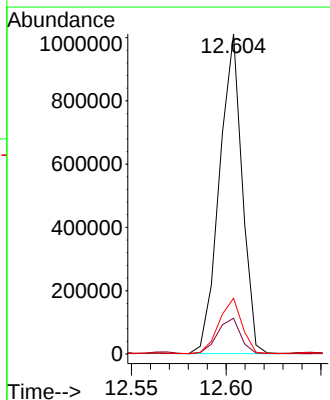
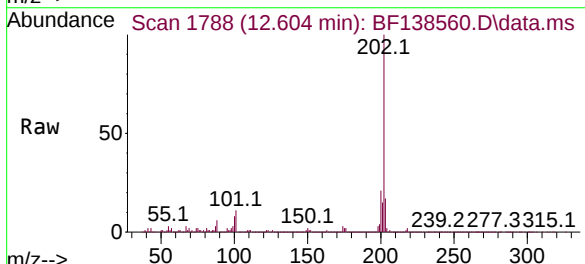
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-07102024

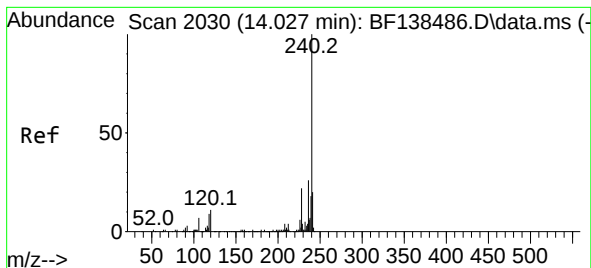
Tgt Ion:167	Resp:	91446
Ion Ratio	Lower	Upper
167	100	
166	22.8	17.8 26.6
139	14.6	11.0 16.4



#75
 Fluoranthene
 Concen: 49.054 ng
 RT: 12.604 min Scan# 1788
 Delta R.T. 0.000 min
 Lab File: BF138560.D
 Acq: 12 Jul 2024 22:10

Tgt Ion:202	Resp:	842525
Ion Ratio	Lower	Upper
202	100	
101	11.2	0.0 29.2
203	17.4	0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF138560.D

Acq: 12 Jul 2024 22:10

Instrument :

BNA_F

ClientSampleId :

TR-05-07102024

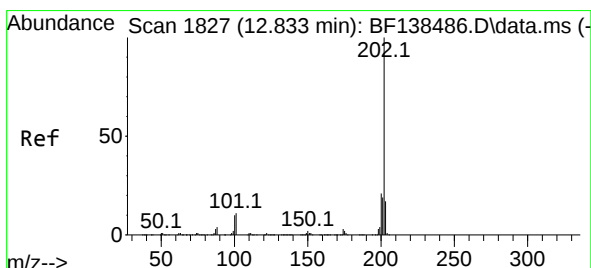
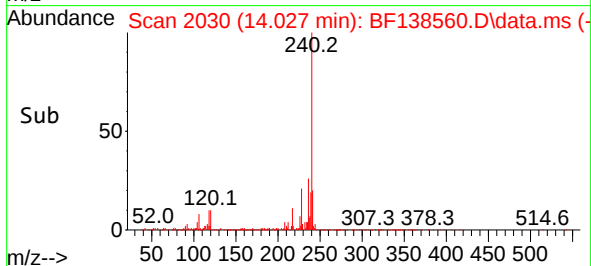
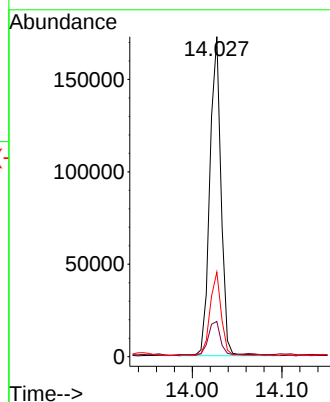
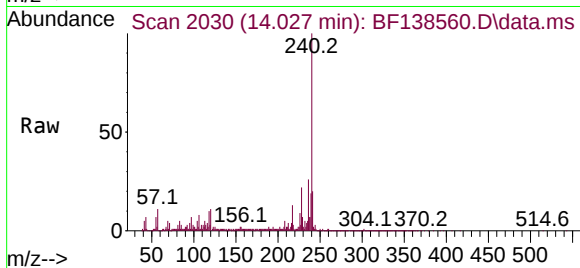
Tgt Ion:240 Resp: 149367

Ion Ratio Lower Upper

240 100

120 11.0 8.6 12.8

236 26.4 21.0 31.6



#78

Pyrene

Concen: 50.621 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF138560.D

Acq: 12 Jul 2024 22:10

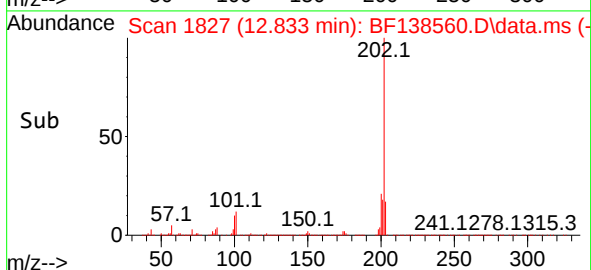
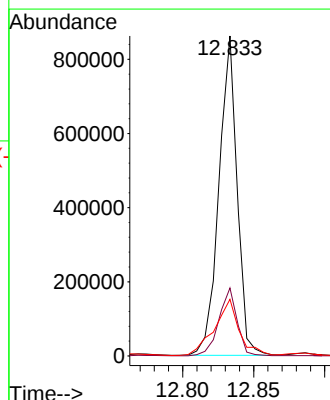
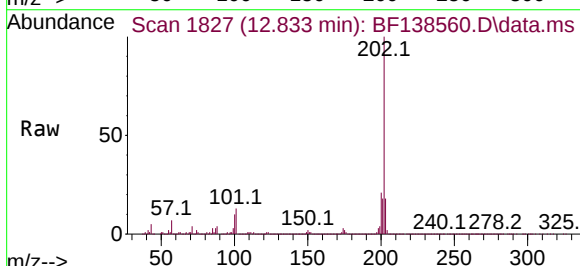
Tgt Ion:202 Resp: 767558

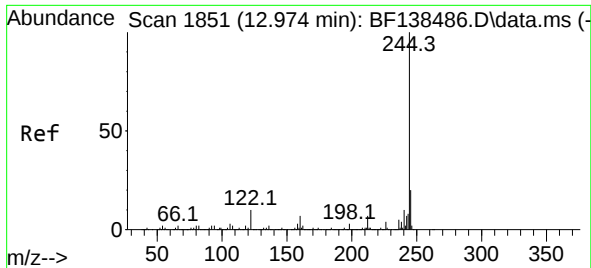
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.6

203 17.7 13.7 20.5

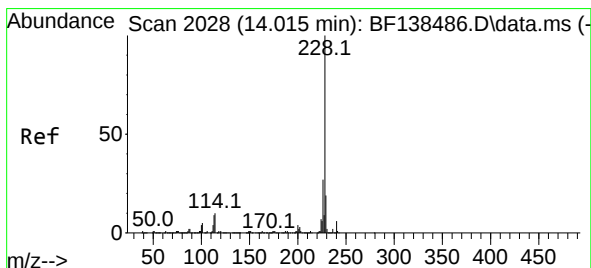
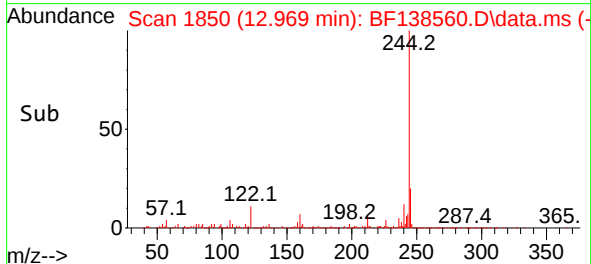
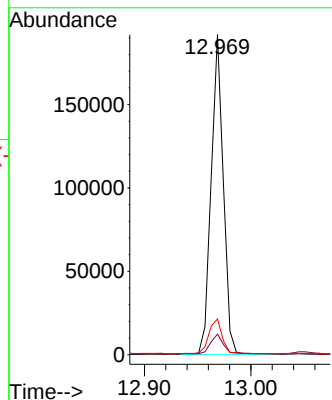
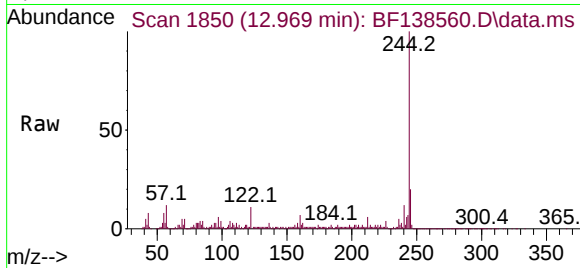




#79
 Terphenyl-d14
 Concen: 16.620 ng
 RT: 12.969 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF138560.D
 Acq: 12 Jul 2024 22:10

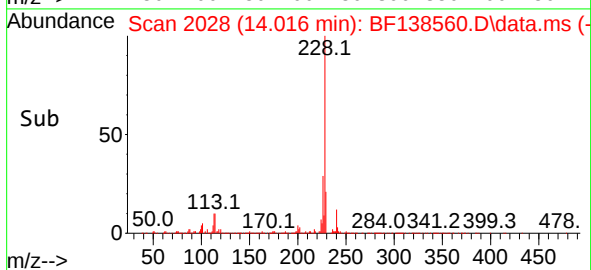
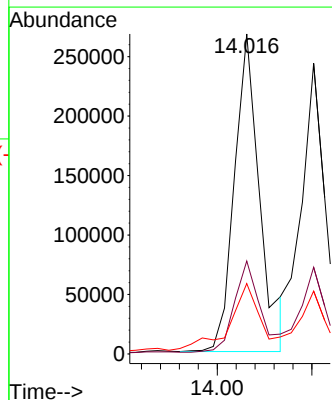
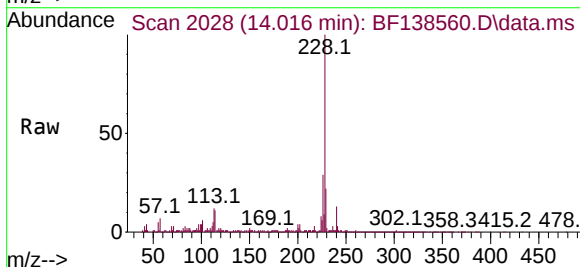
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-07102024

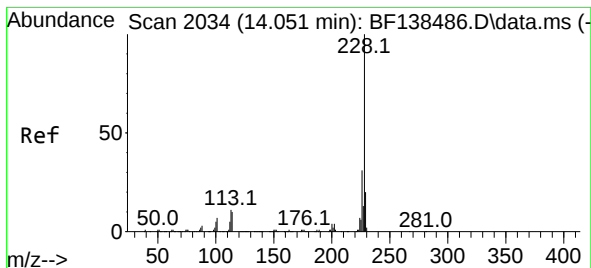
Tgt Ion:244 Resp: 152383
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.5 8.3
 122 11.2 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 24.672 ng
 RT: 14.016 min Scan# 2028
 Delta R.T. 0.000 min
 Lab File: BF138560.D
 Acq: 12 Jul 2024 22:10

Tgt Ion:228 Resp: 247272
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.9 32.9
 229 22.0 15.5 23.3





#83

Chrysene

Concen: 21.884 ng

RT: 14.051 min Scan# 2034

Delta R.T. 0.000 min

Lab File: BF138560.D

Acq: 12 Jul 2024 22:10

Instrument :

BNA_F

ClientSampleId :

TR-05-07102024

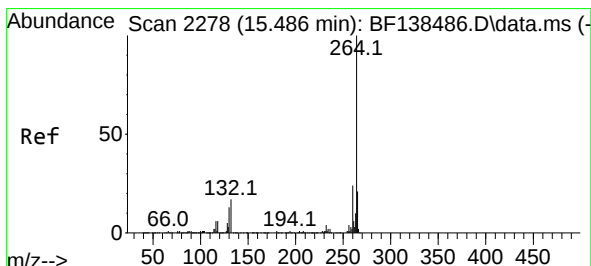
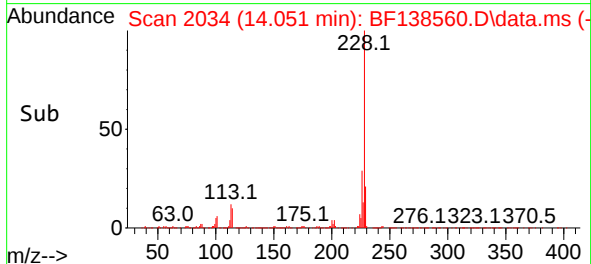
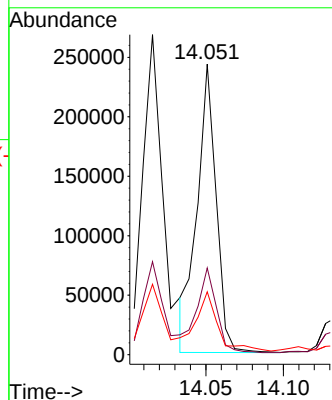
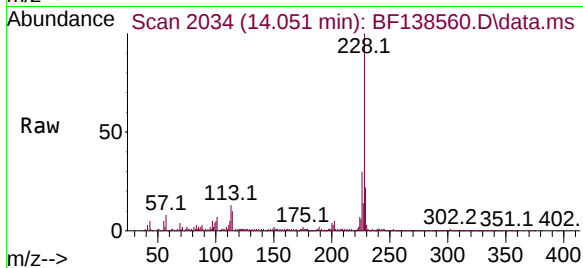
Tgt Ion:228 Resp: 207490

Ion Ratio Lower Upper

228 100

226 29.9 24.4 36.6

229 21.6 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2280

Delta R.T. 0.012 min

Lab File: BF138560.D

Acq: 12 Jul 2024 22:10

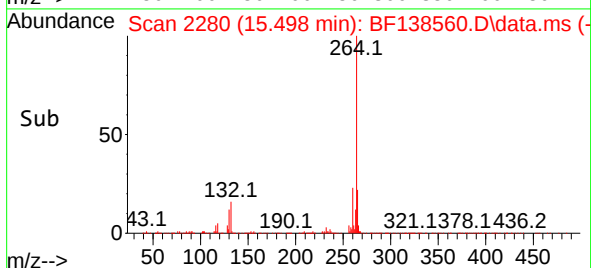
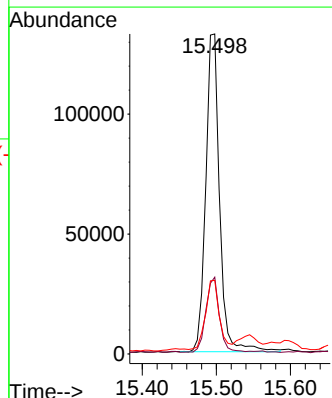
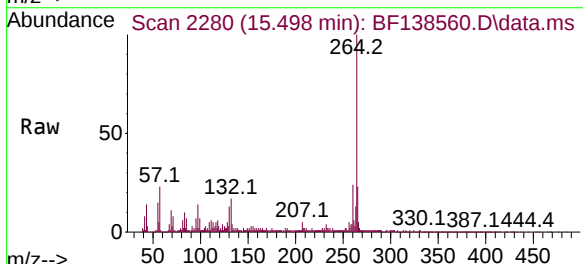
Tgt Ion:264 Resp: 172358

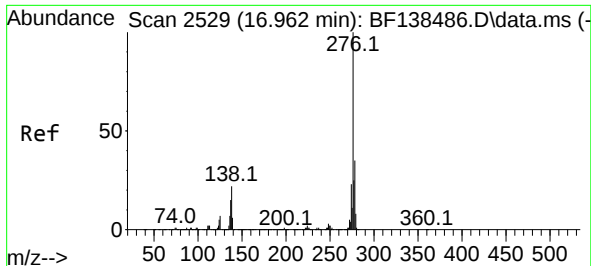
Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 23.0 17.0 25.4

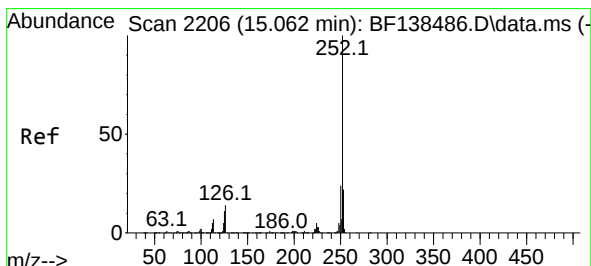
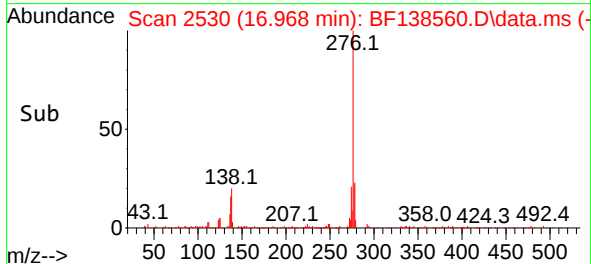
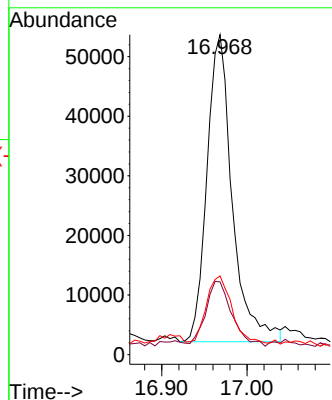
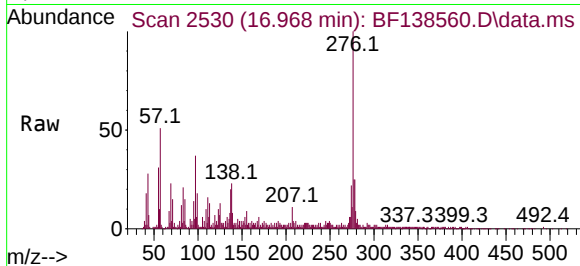




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.191 ng
 RT: 16.968 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF138560.D
 Acq: 12 Jul 2024 22:10

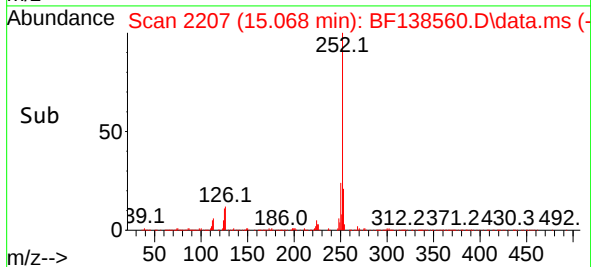
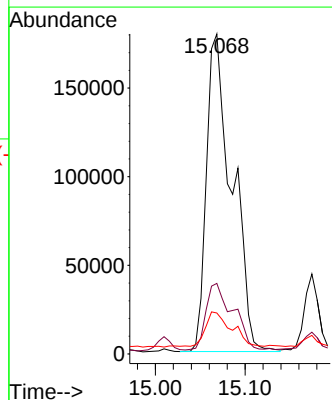
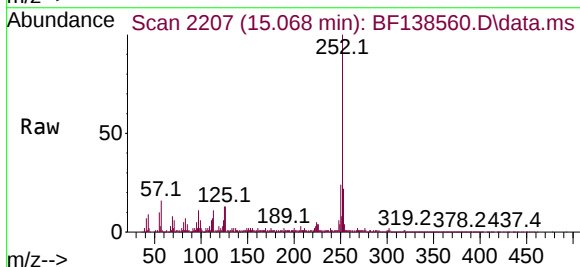
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-07102024

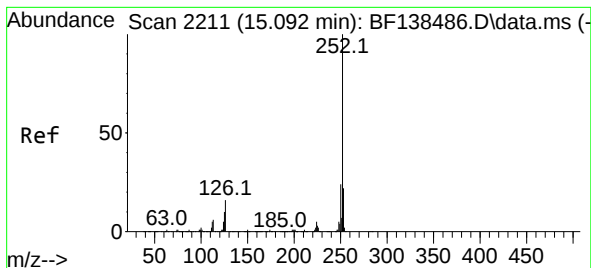
Tgt Ion:276 Resp: 106403
 Ion Ratio Lower Upper
 276 100
 138 22.7 19.6 29.4
 277 24.3 20.5 30.7



#88
 Benzo(b)fluoranthene
 Concen: 36.481 ng
 RT: 15.068 min Scan# 2207
 Delta R.T. 0.006 min
 Lab File: BF138560.D
 Acq: 12 Jul 2024 22:10

Tgt Ion:252 Resp: 354112
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.3 25.9
 125 12.8 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 37.406 ng

RT: 15.068 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF138560.D

Acq: 12 Jul 2024 22:10

Instrument :

BNA_F

ClientSampleId :

TR-05-07102024

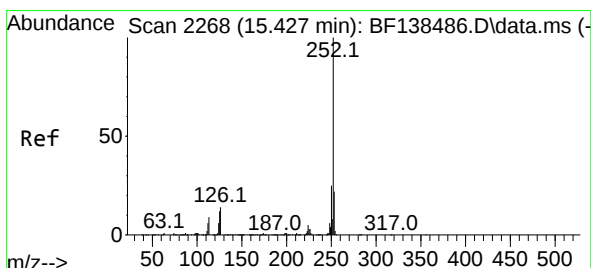
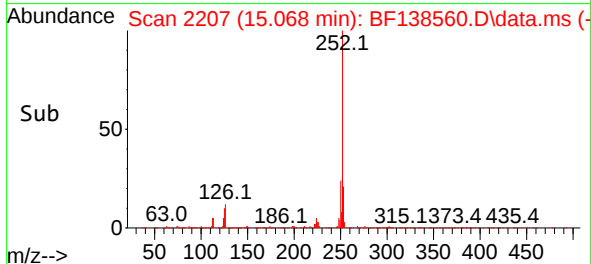
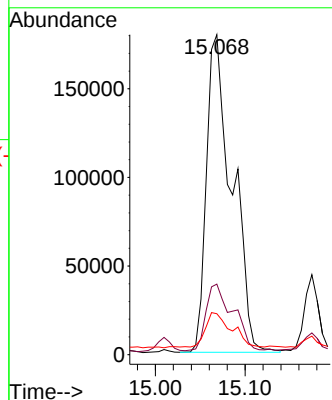
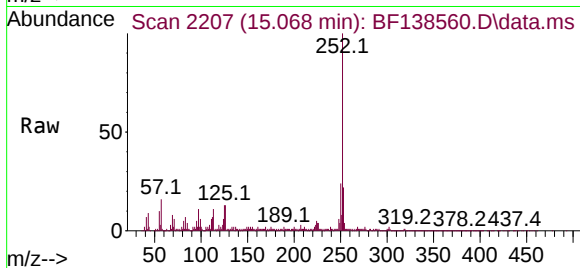
Tgt Ion:252 Resp: 354112

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 12.8 8.1 12.1#



#90

Benzo(a)pyrene

Concen: 23.951 ng

RT: 15.433 min Scan# 2269

Delta R.T. 0.006 min

Lab File: BF138560.D

Acq: 12 Jul 2024 22:10

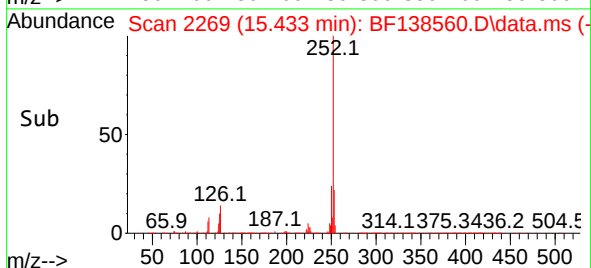
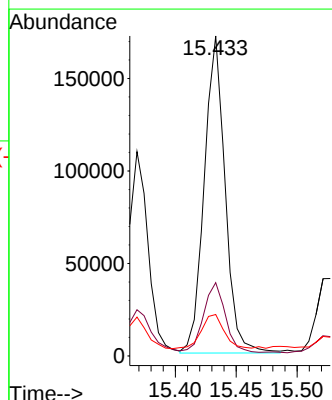
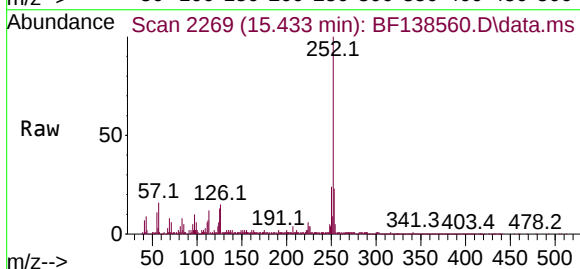
Tgt Ion:252 Resp: 204227

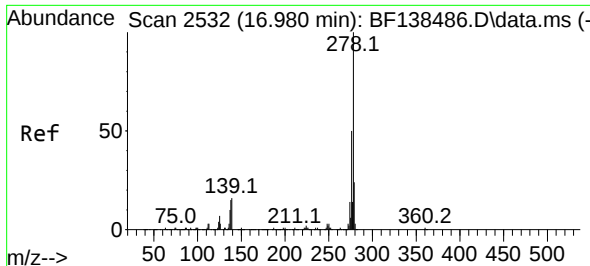
Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 13.0 9.4 14.2

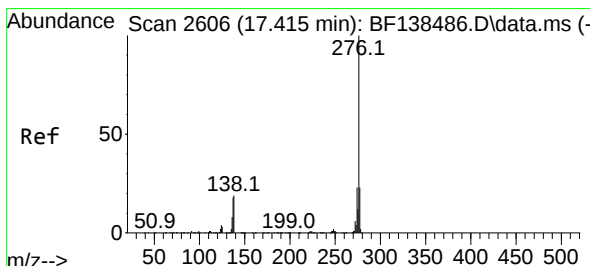
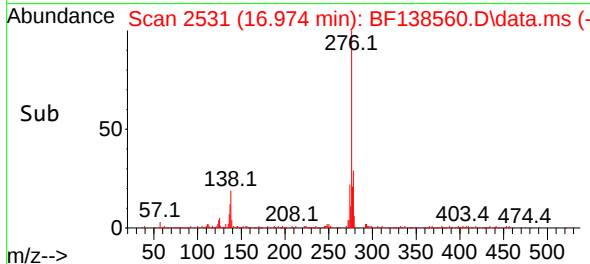
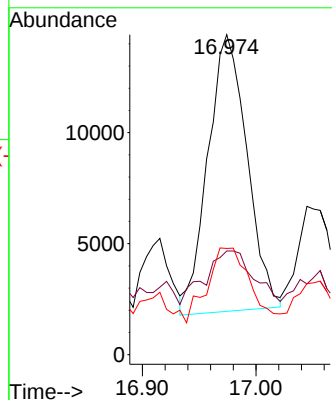
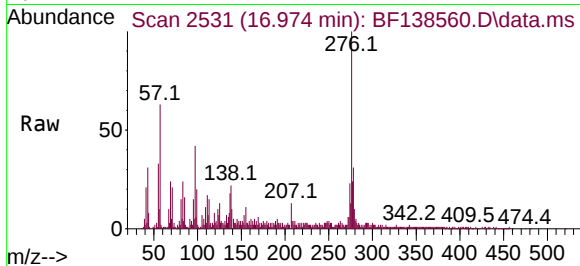




#91
Dibenzo(a,h)anthracene
Concen: 3.151 ng
RT: 16.974 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138560.D
Acq: 12 Jul 2024 22:10

Instrument :
BNA_F
ClientSampleId :
TR-05-07102024

Tgt Ion:278 Resp: 29838
Ion Ratio Lower Upper
278 100
139 32.4 12.8 19.2#
279 33.2 19.1 28.7#



#92
Benzo(g,h,i)perylene
Concen: 10.342 ng
RT: 17.415 min Scan# 2606
Delta R.T. 0.000 min
Lab File: BF138560.D
Acq: 12 Jul 2024 22:10

Tgt Ion:276 Resp: 103857
Ion Ratio Lower Upper
276 100
277 23.7 18.0 27.0
138 23.3 15.5 23.3#

