

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
 Data File : BF140653.D
 Acq On : 26 Nov 2024 20:11
 Operator : RC/JU
 Sample : P4971-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-112224

Quant Time: Nov 27 00:08:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

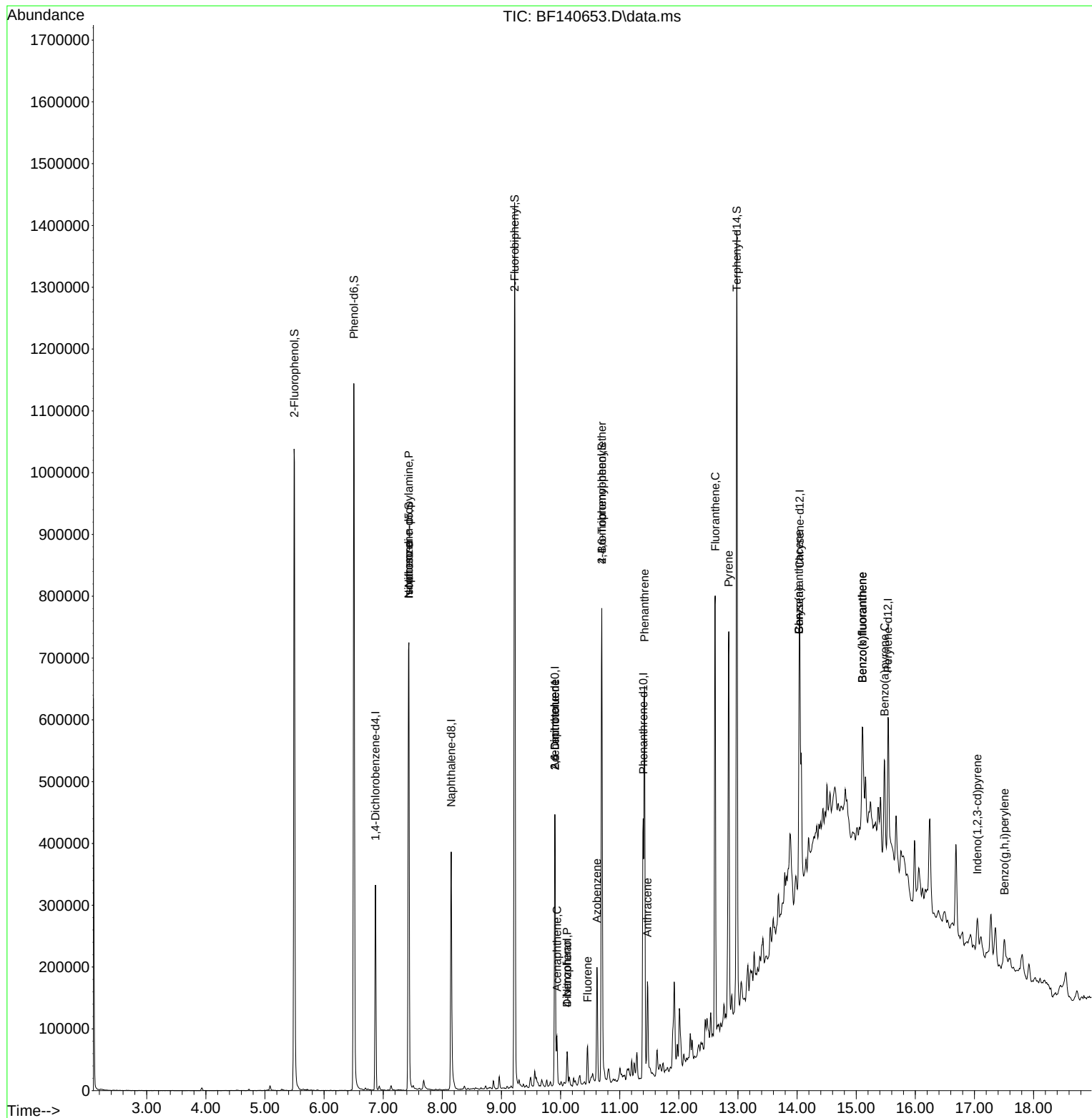
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	68867	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	251988	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	129316	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	227783	20.000	ng	0.00
76) Chrysene-d12	14.045	240	139901	20.000	ng	0.00
86) Perylene-d12	15.539	264	109768	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	413184	102.368	ng	0.00
7) Phenol-d6	6.504	99	551136	103.286	ng	-0.01
23) Nitrobenzene-d5	7.434	82	348787	70.799	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	131935	95.395	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	641475	73.909	ng	-0.01
79) Terphenyl-d14	12.980	244	610225	67.919	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	46980	14.897	ng	# 73
25) Isophorone	7.434	82	342152	41.640	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	17787	9.209	ng	# 21
52) Acenaphthene	9.939	154	23867	3.398	ng	98
55) Dibenzofuran	10.110	168	28796	2.688	ng	# 97
56) 4-Nitrophenol	10.110	139	11765	9.132	ng	# 4
57) 2,4-Dinitrotoluene	9.904	165	17788	6.929	ng	# 18
58) Fluorene	10.457	166	23835	2.772	ng	96
63) Azobenzene	10.616	77	44445	5.424	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	7973	3.399	ng	# 1
71) Phenanthrene	11.422	178	333672	30.474	ng	99
72) Anthracene	11.469	178	90212	8.423	ng	96
75) Fluoranthene	12.616	202	433426	36.459	ng	99
78) Pyrene	12.845	202	357523	27.639	ng	99
81) Benzo(a)anthracene	14.033	228	139062	15.016	ng	97
83) Chrysene	14.033	228	139062	16.422	ng	95
87) Indeno(1,2,3-cd)pyrene	17.051	276	43114	6.027	ng	96
88) Benzo(b)fluoranthene	15.104	252	135458	19.647	ng	# 88
89) Benzo(k)fluoranthene	15.104	252	135458	22.451	ng	# 88
90) Benzo(a)pyrene	15.480	252	68252	12.175	ng	# 92
92) Benzo(g,h,i)perylene	17.509	276	42482	7.106	ng	# 92

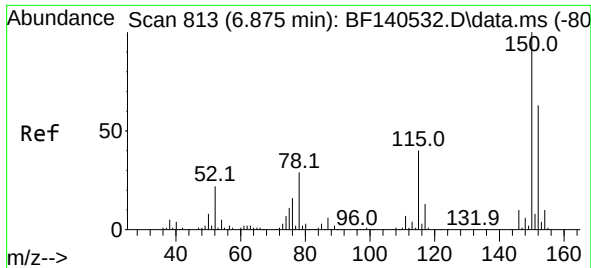
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

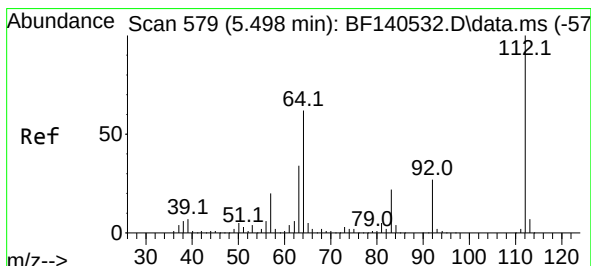
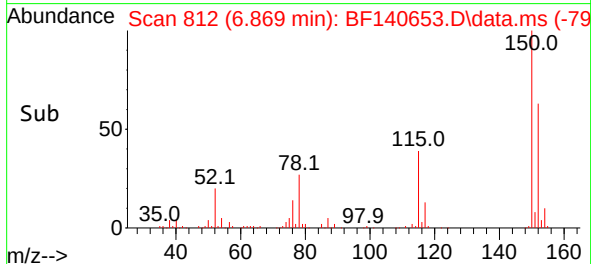
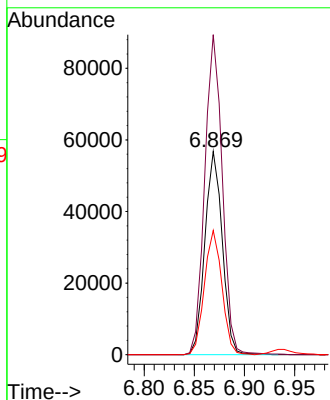
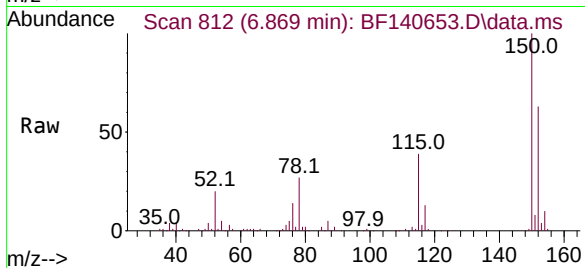




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

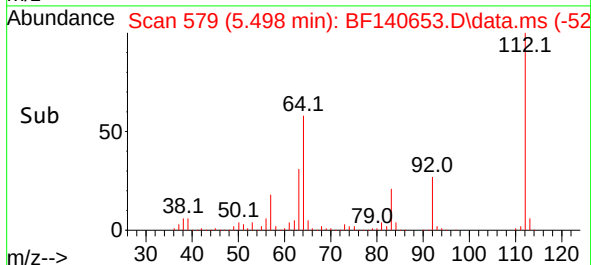
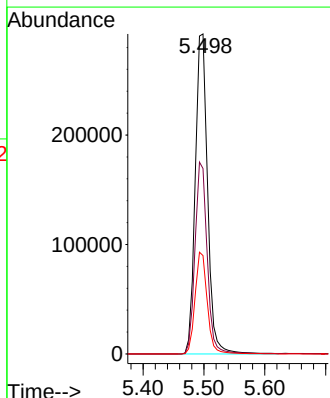
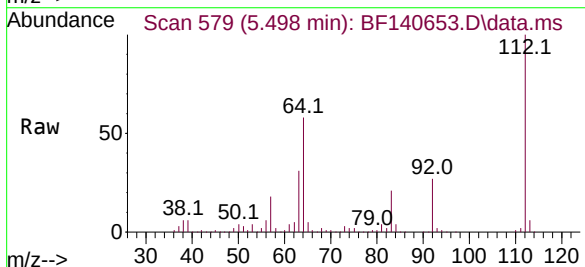
Instrument :
BNA_F
ClientSampleId :
CL-02-112224

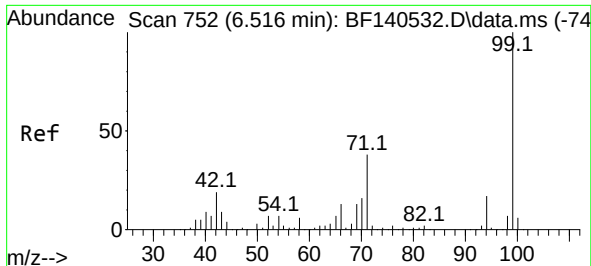
Tgt Ion:152 Resp: 68867
Ion Ratio Lower Upper
152 100
150 157.5 128.5 192.7
115 61.1 50.2 75.4



#5
2-Fluorophenol
Concen: 102.368 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Tgt Ion:112 Resp: 413184
Ion Ratio Lower Upper
112 100
64 57.9 49.2 73.8
63 30.8 27.0 40.4

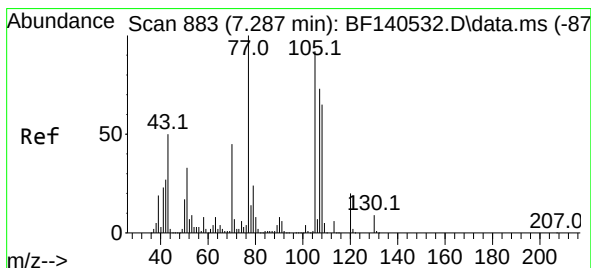
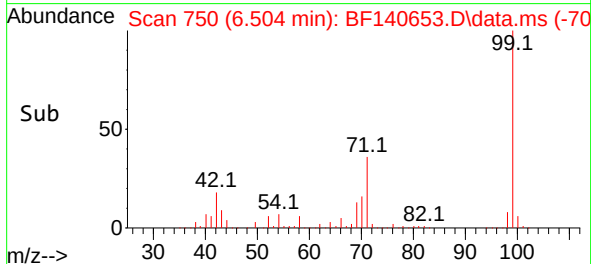
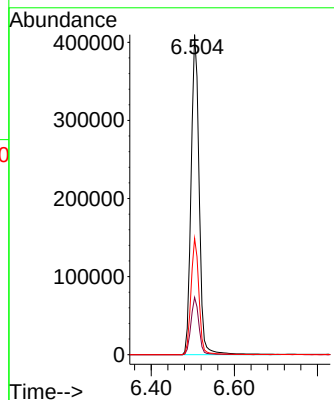
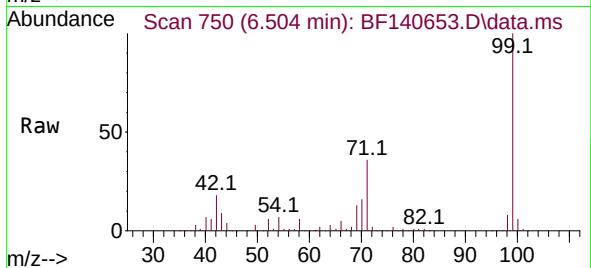




#7
Phenol-d6
Concen: 103.286 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

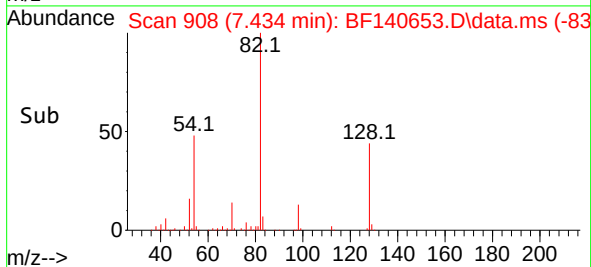
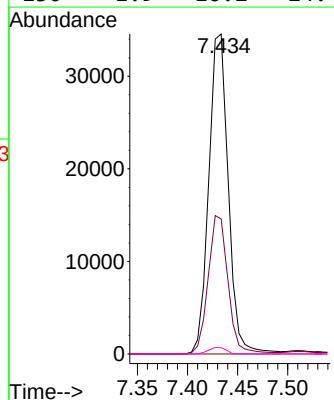
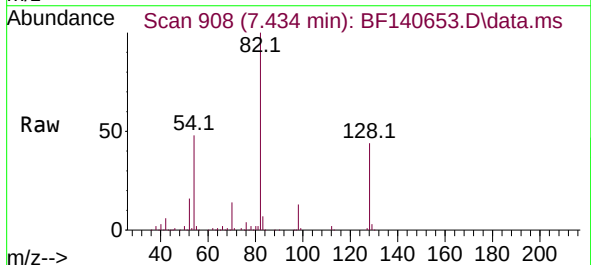
Instrument :
BNA_F
ClientSampleId :
CL-02-112224

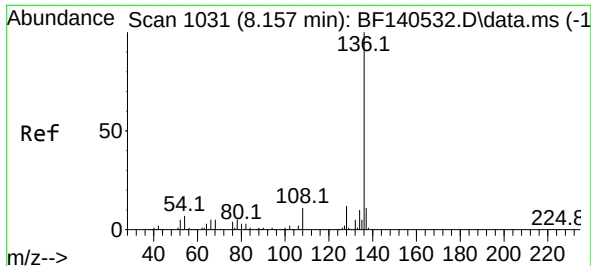
Tgt Ion: 99 Resp: 551136
Ion Ratio Lower Upper
99 100
42 17.9 15.4 23.0
71 36.4 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 14.897 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Tgt Ion: 70 Resp: 46980
Ion Ratio Lower Upper
70 100
42 42.2 47.6 71.4#
101 0.0 7.6 11.4#
130 1.9 16.2 24.4#



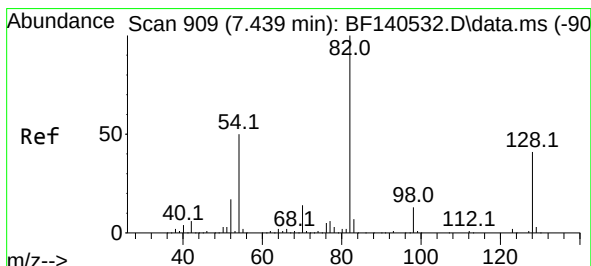
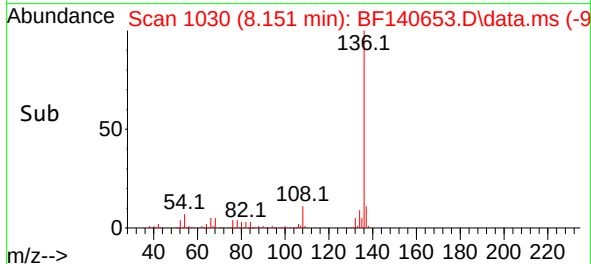
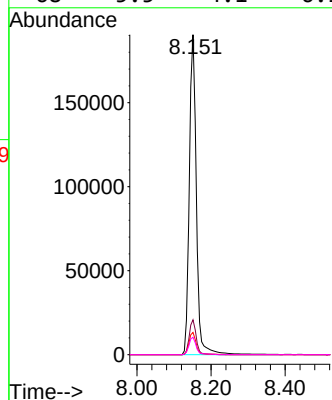
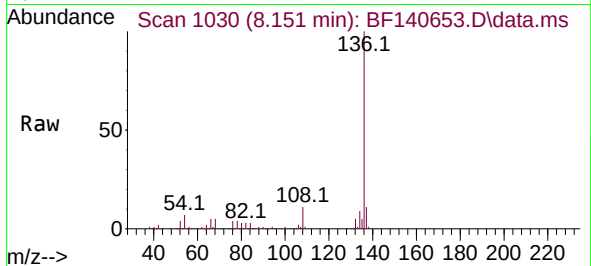


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Instrument :
BNA_F
ClientSampleId :
CL-02-112224

Tgt Ion:136 Resp: 251988

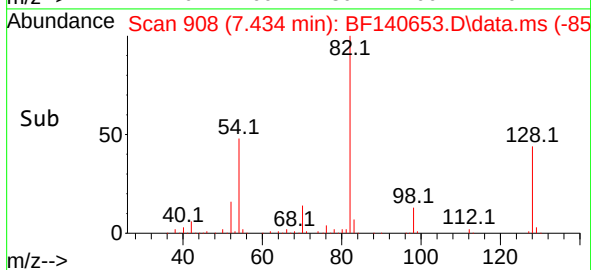
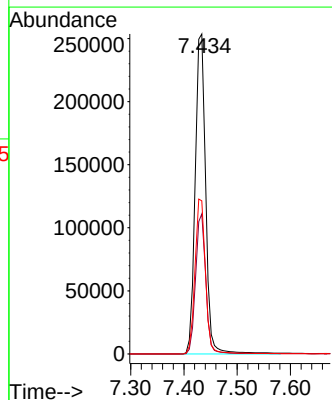
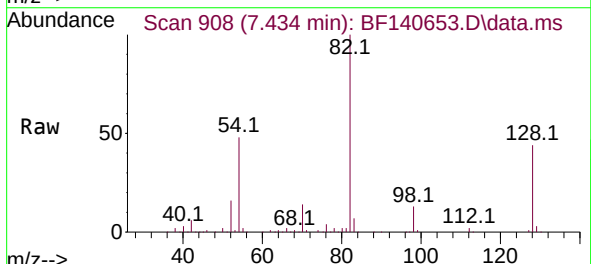
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	7.0	5.8	8.8
68	5.5	4.1	6.1

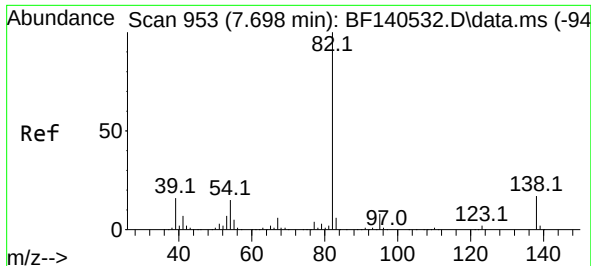


#23
Nitrobenzene-d5
Concen: 70.799 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Tgt Ion: 82 Resp: 348787

Ion	Ratio	Lower	Upper
82	100		
128	43.7	33.0	49.4
54	47.9	39.5	59.3

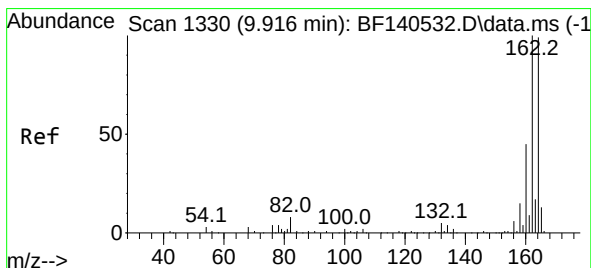
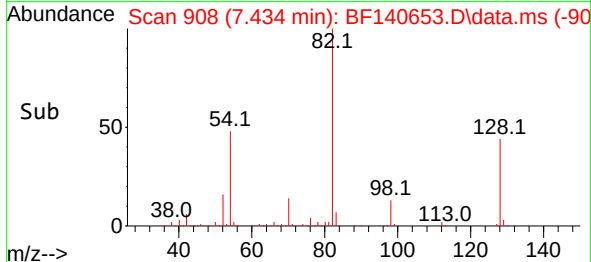
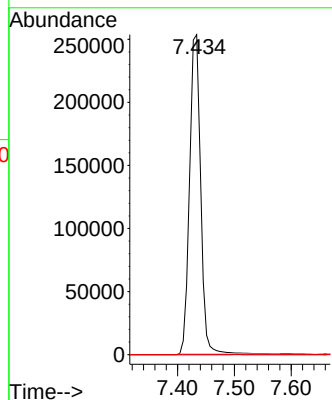
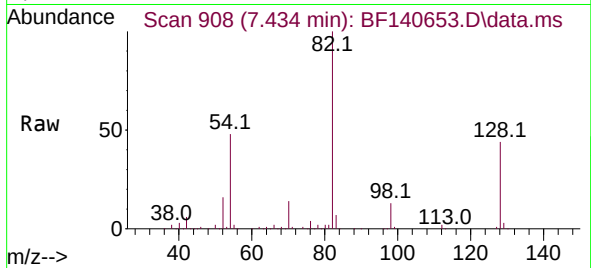




#25
Isophorone
Concen: 41.640 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

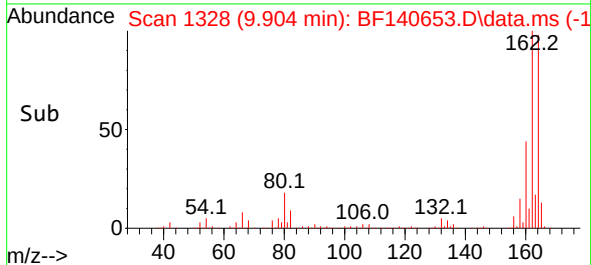
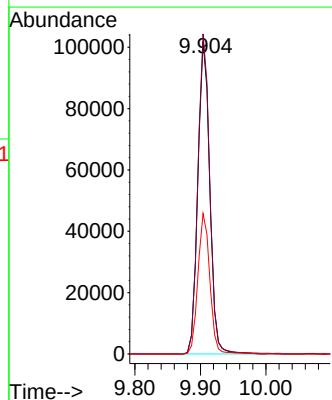
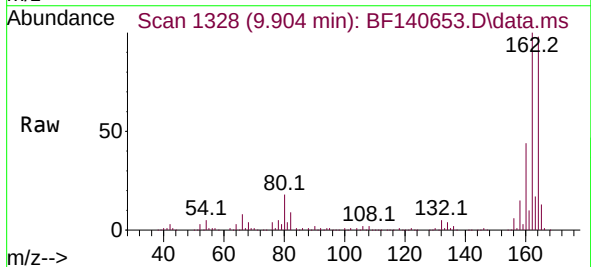
Instrument :
BNA_F
ClientSampleId :
CL-02-112224

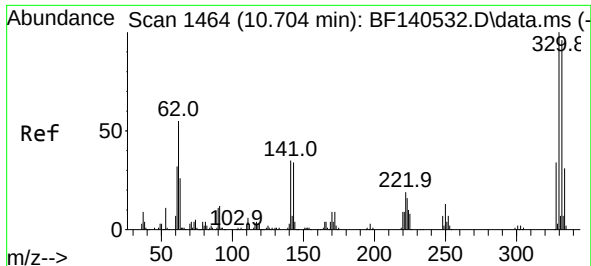
Tgt Ion: 82 Resp: 342152
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Tgt Ion: 164 Resp: 129316
Ion Ratio Lower Upper
164 100
162 102.4 80.6 120.8
160 44.9 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 95.395 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

Instrument :

BNA_F

ClientSampleId :

CL-02-112224

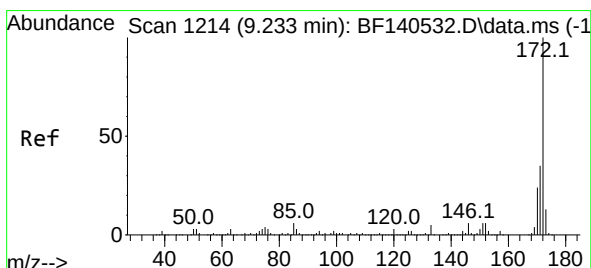
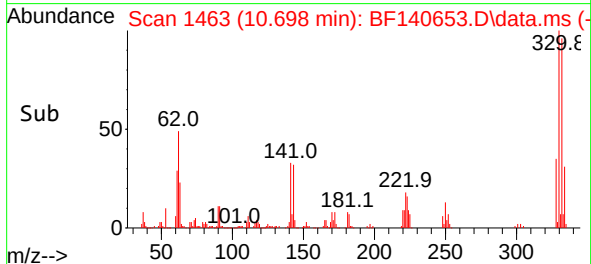
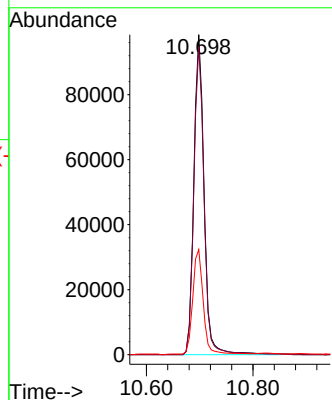
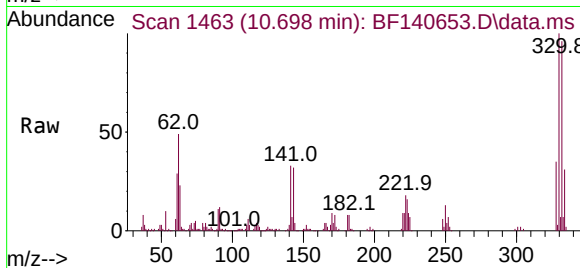
Tgt Ion:330 Resp: 131935

Ion Ratio Lower Upper

330 100

332 95.9 76.9 115.3

141 34.4 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 73.909 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.012 min

Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

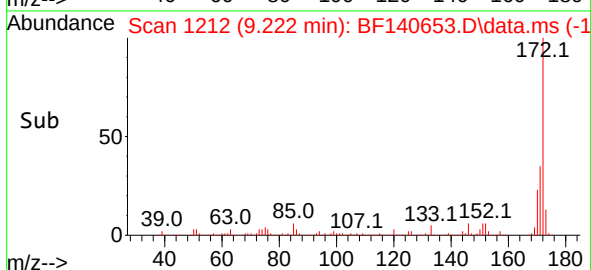
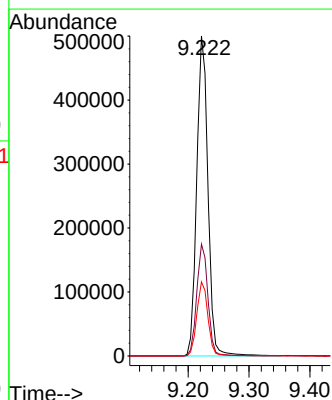
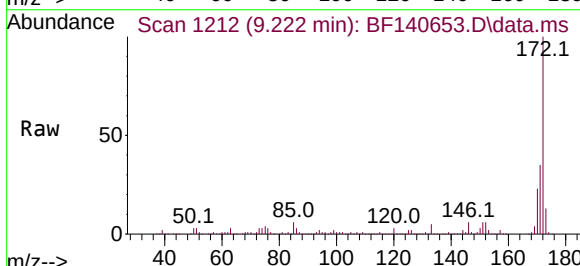
Tgt Ion:172 Resp: 641475

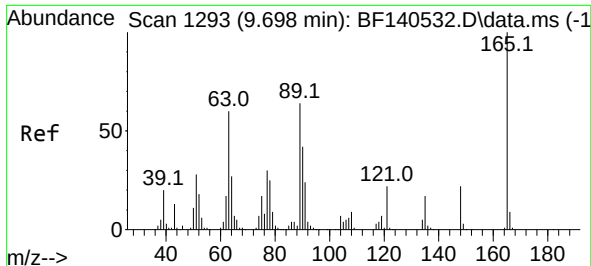
Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.1 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 9.209 ng

RT: 9.904 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

Instrument :

BNA_F

ClientSampleId :

CL-02-112224

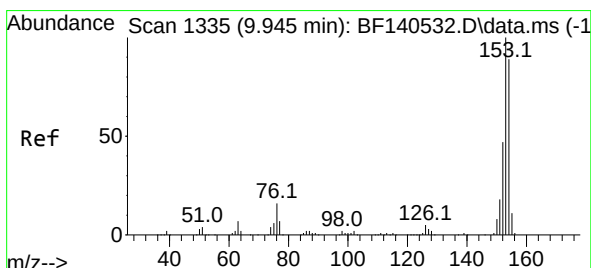
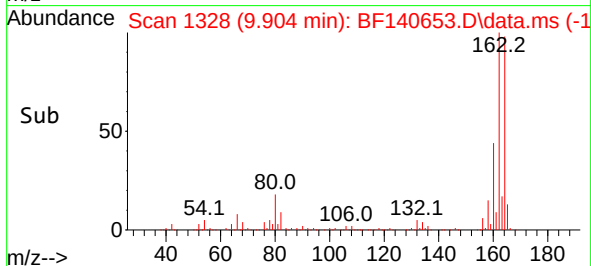
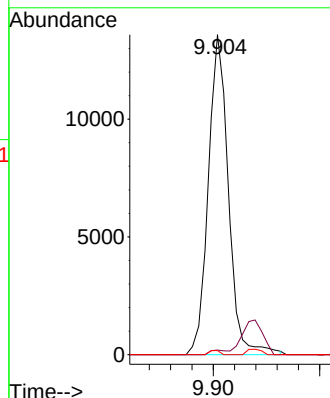
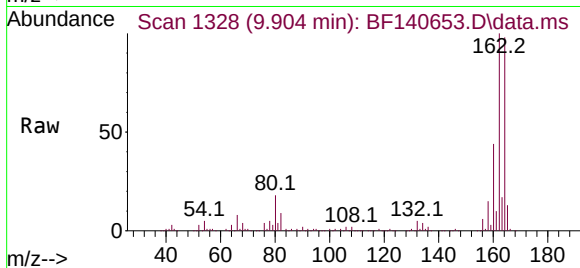
Tgt Ion:165 Resp: 17787

Ion Ratio Lower Upper

165 100

63 1.4 49.9 74.9#

89 1.3 50.9 76.3#



#52

Acenaphthene

Concen: 3.398 ng

RT: 9.939 min Scan# 1334

Delta R.T. -0.006 min

Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

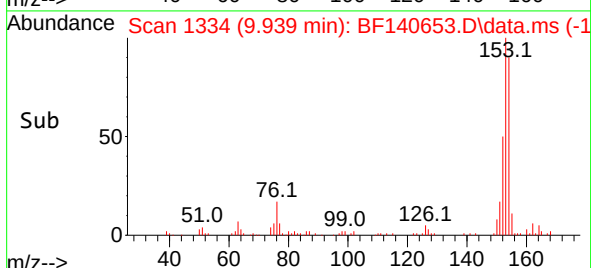
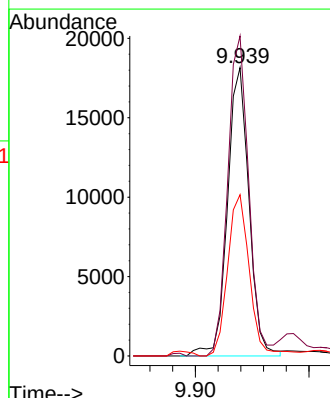
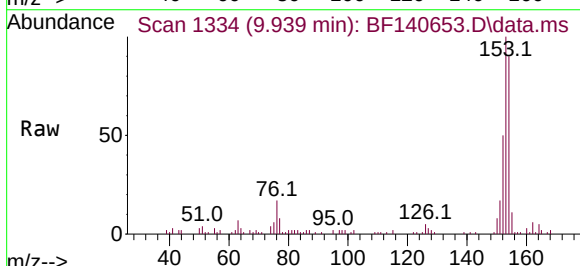
Tgt Ion:154 Resp: 23867

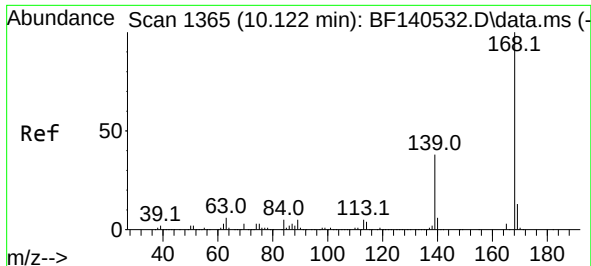
Ion Ratio Lower Upper

154 100

153 111.0 89.7 134.5

152 55.9 42.5 63.7

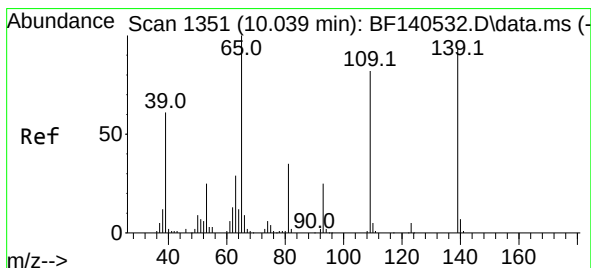
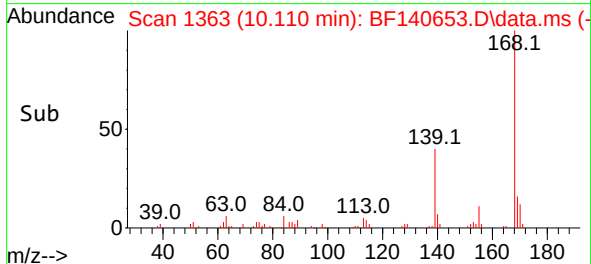
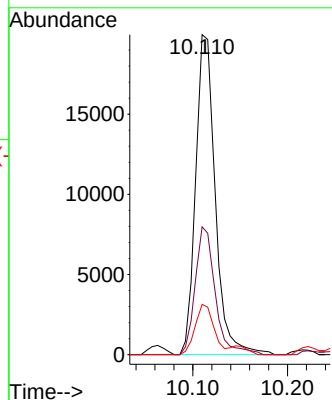
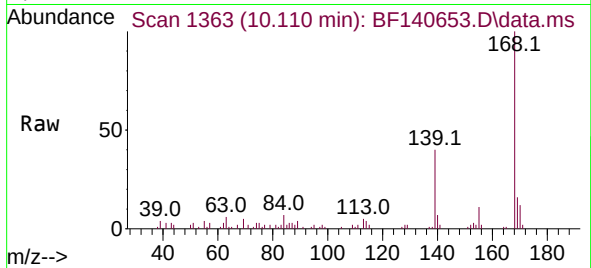




#55
Dibenzenofuran
Concen: 2.688 ng
RT: 10.110 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

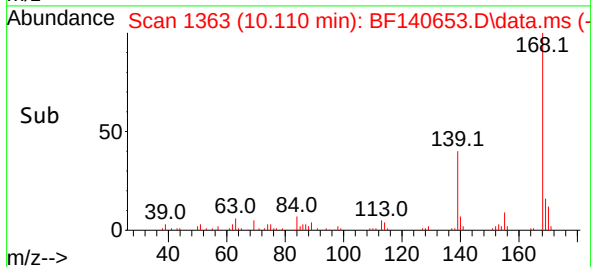
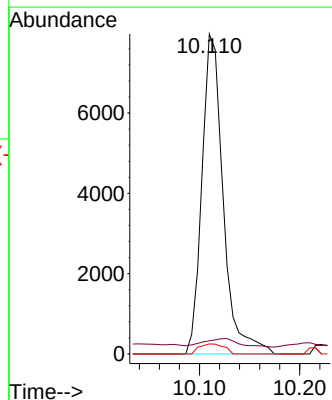
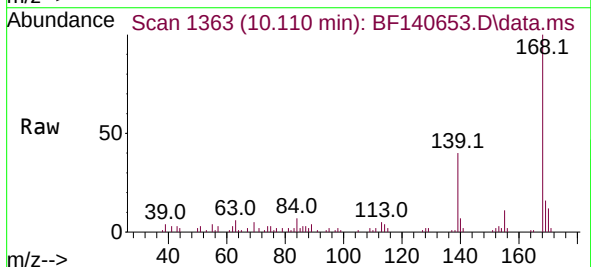
Instrument :
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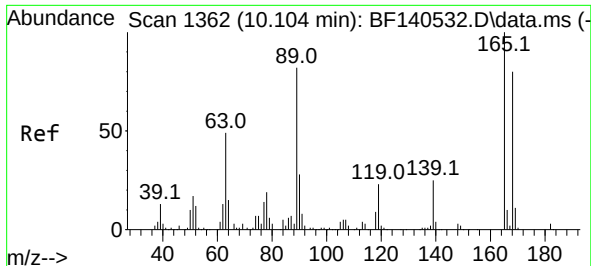
Tgt Ion:168 Resp: 28796
Ion Ratio Lower Upper
168 100
139 39.9 31.3 46.9
169 15.7 10.5 15.7#



#56
4-Nitrophenol
Concen: 9.132 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.071 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Tgt Ion:139 Resp: 11765
Ion Ratio Lower Upper
139 100
109 4.1 68.4 108.4#
65 3.1 88.6 128.6#

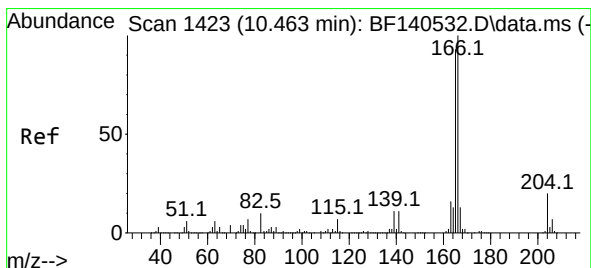
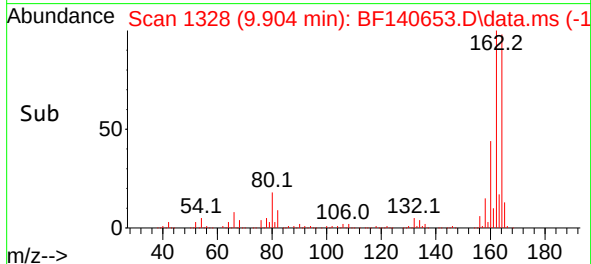
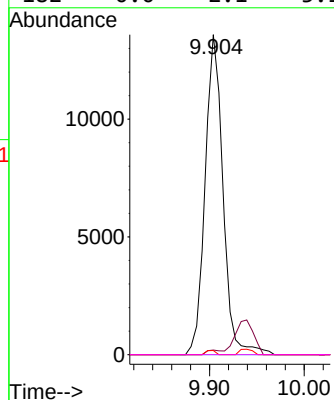
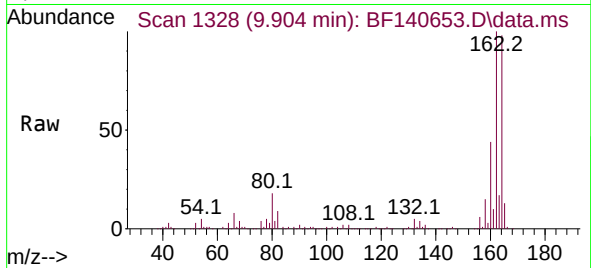




#57
2,4-Dinitrotoluene
Concen: 6.929 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

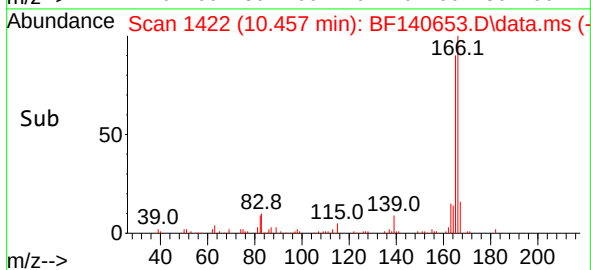
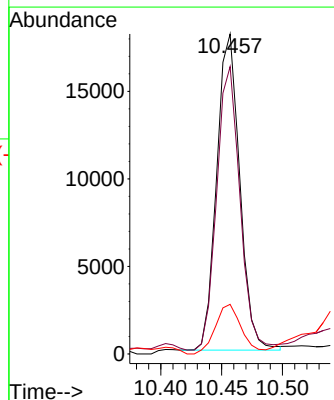
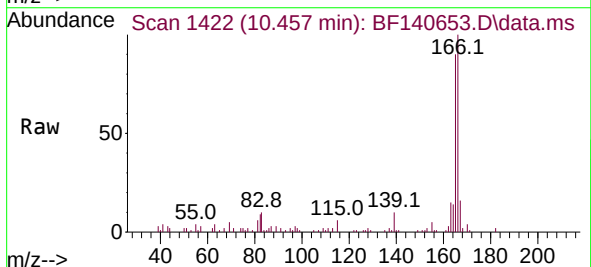
Instrument :
BNA_F
ClientSampleId :
CL-02-112224

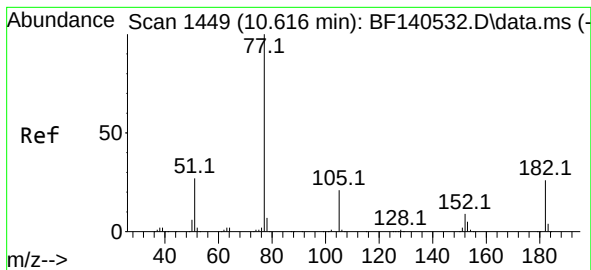
Tgt Ion:165 Resp: 17788
Ion Ratio Lower Upper
165 100
63 1.4 41.7 62.5#
89 1.3 65.8 98.8#
182 0.0 2.1 3.1#



#58
Fluorene
Concen: 2.772 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Tgt Ion:166 Resp: 23835
Ion Ratio Lower Upper
166 100
165 89.8 74.6 111.8
167 15.5 10.6 16.0

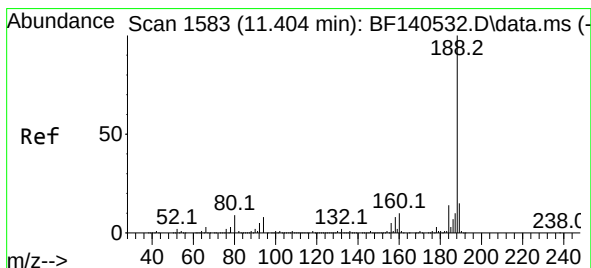
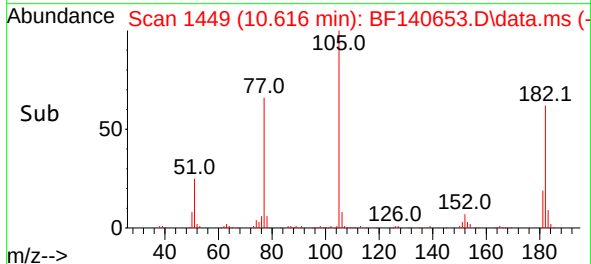
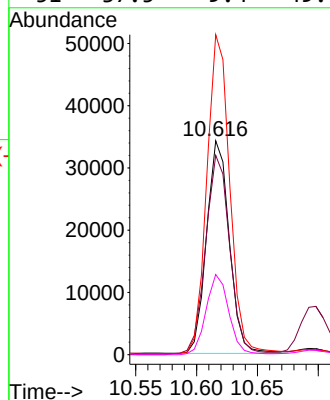
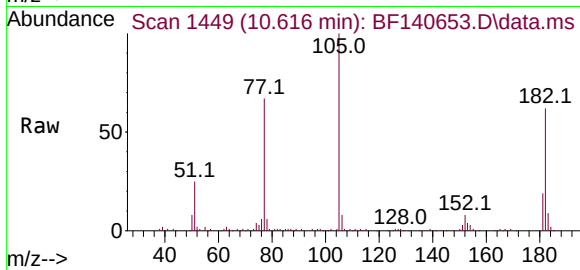




#63
 Azobenzene
 Concen: 5.424 ng
 RT: 10.616 min Scan# 1449
 Delta R.T. -0.000 min
 Lab File: BF140653.D
 Acq: 26 Nov 2024 20:11

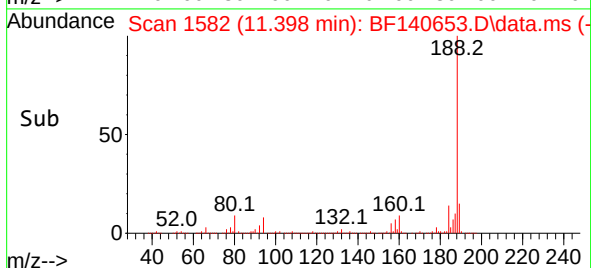
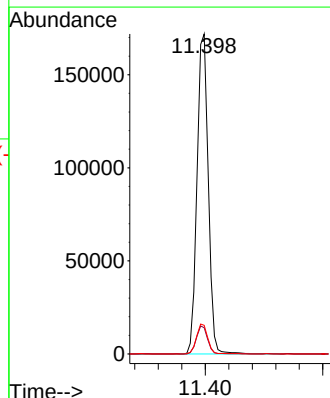
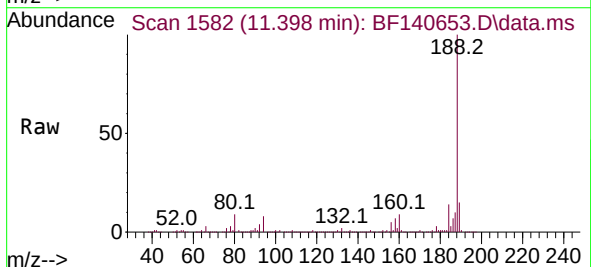
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-112224

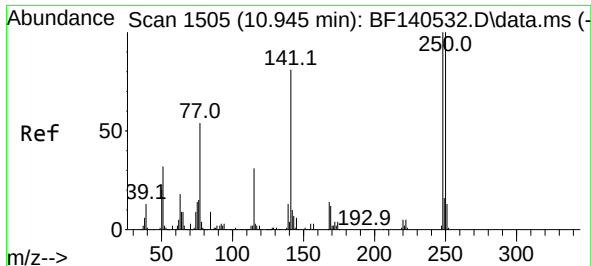
Tgt Ion: 77	Resp: 44445
Ion Ratio	Lower Upper
77 100	
182 93.2	5.3 45.3#
105 149.6	0.3 40.3#
51 37.5	9.4 49.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.398 min Scan# 1582
 Delta R.T. -0.006 min
 Lab File: BF140653.D
 Acq: 26 Nov 2024 20:11

Tgt Ion: 188	Resp: 227783
Ion Ratio	Lower Upper
188 100	
94 8.2	6.4 9.6
80 9.0	6.9 10.3





#67
4-Bromophenyl-phenylether
Concen: 3.399 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

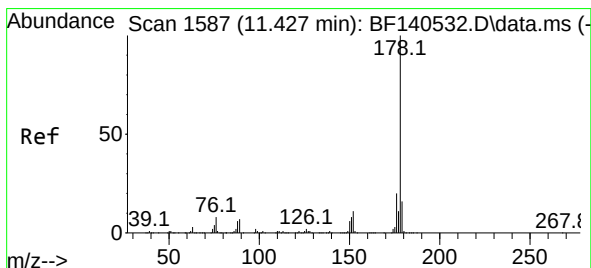
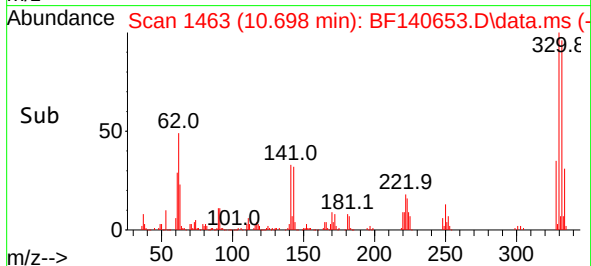
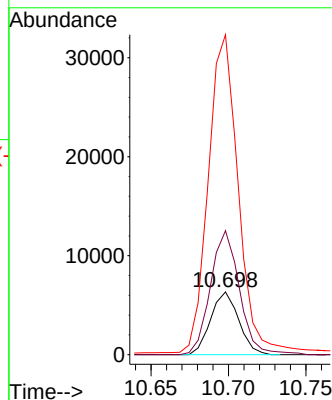
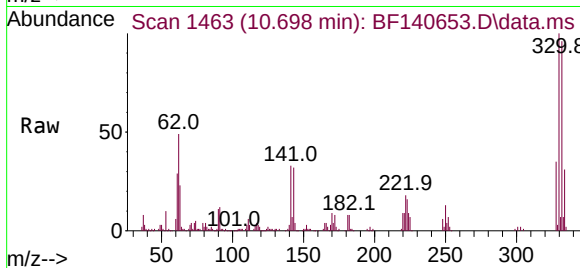
Instrument :

BNA_F

ClientSampleId :

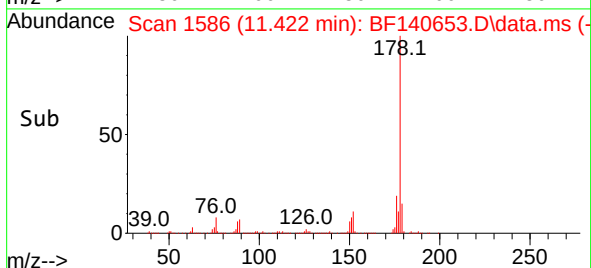
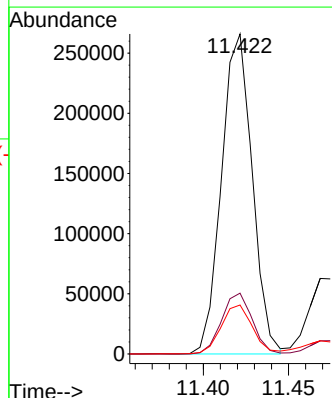
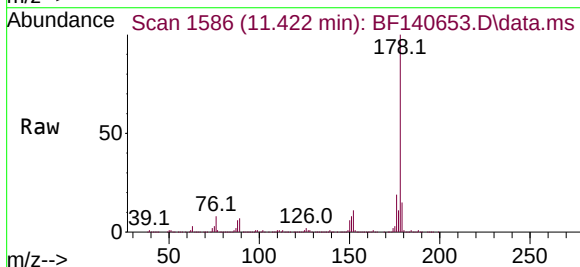
CL-02-112224

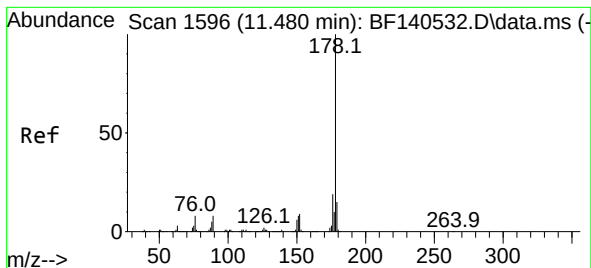
Tgt Ion:248 Resp: 7973
Ion Ratio Lower Upper
248 100
250 197.7 79.8 119.8#
141 510.0 64.7 97.1#



#71
Phenanthrene
Concen: 30.474 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Tgt Ion:178 Resp: 333672
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 15.3 12.4 18.6





#72

Anthracene

Concen: 8.423 ng

RT: 11.469 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

Instrument :

BNA_F

ClientSampleId :

CL-02-112224

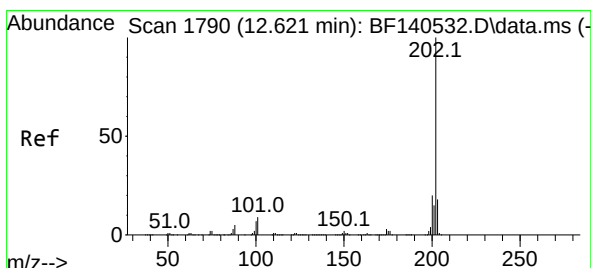
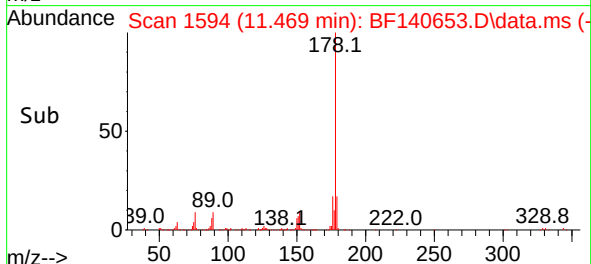
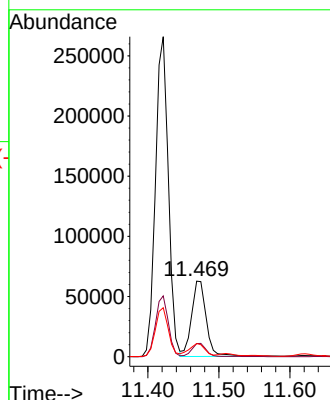
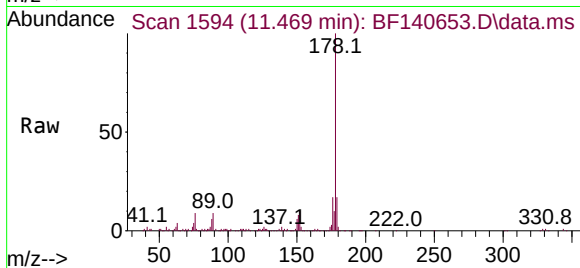
Tgt Ion:178 Resp: 90212

Ion Ratio Lower Upper

178 100

176 17.4 15.0 22.4

179 17.3 12.2 18.4



#75

Fluoranthene

Concen: 36.459 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

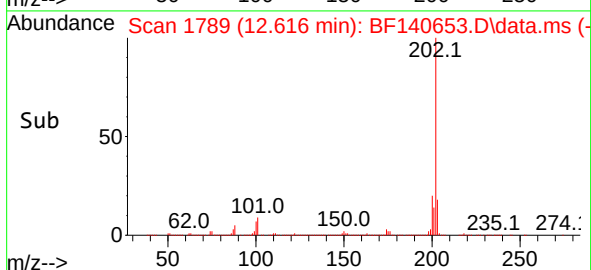
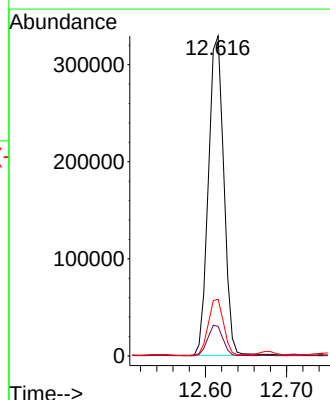
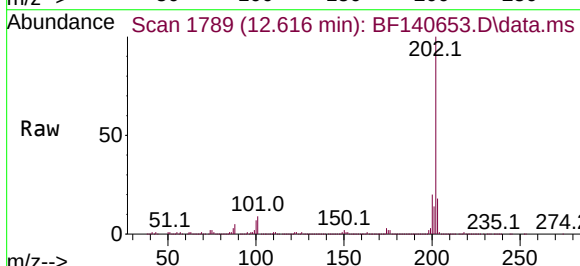
Tgt Ion:202 Resp: 433426

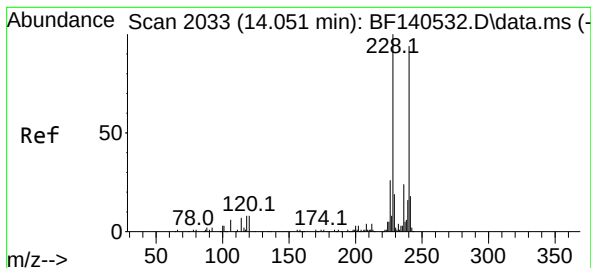
Ion Ratio Lower Upper

202 100

101 9.2 0.0 28.9

203 17.8 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

Instrument :

BNA_F

ClientSampleId :

CL-02-112224

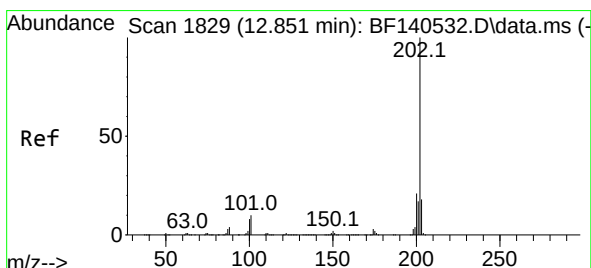
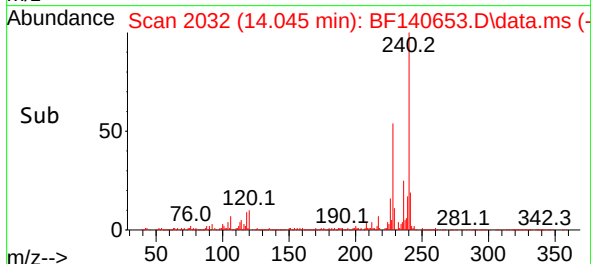
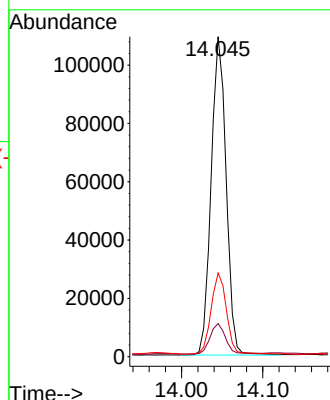
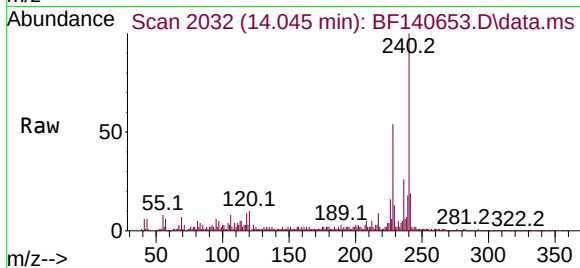
Tgt Ion:240 Resp: 139901

Ion Ratio Lower Upper

240 100

120 10.4 7.3 10.9

236 26.2 20.6 31.0



#78

Pyrene

Concen: 27.639 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

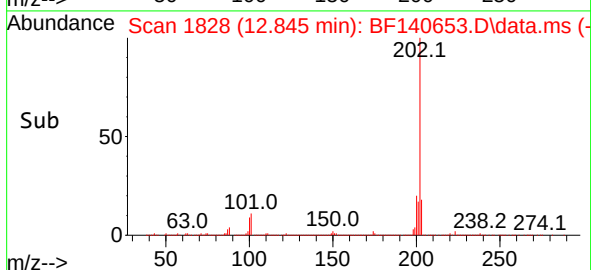
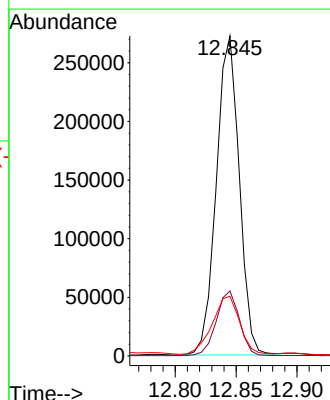
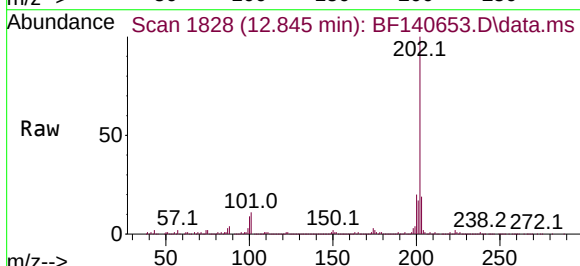
Tgt Ion:202 Resp: 357523

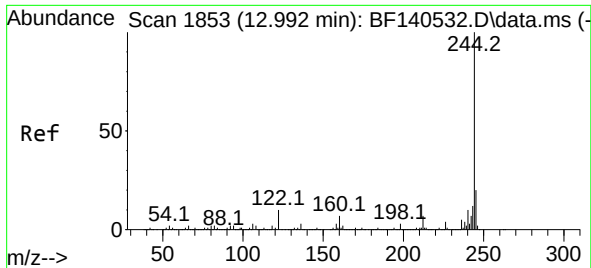
Ion Ratio Lower Upper

202 100

200 20.3 16.5 24.7

203 18.7 14.2 21.4

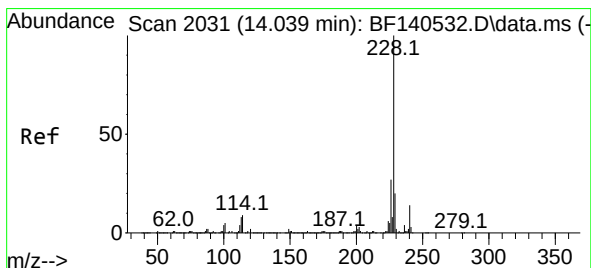
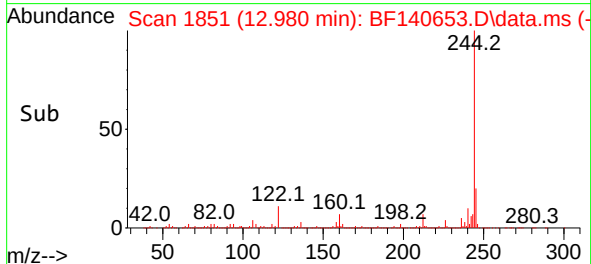
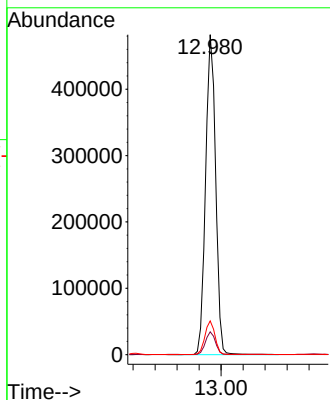
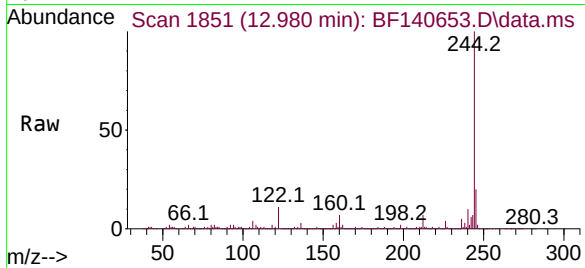




#79
 Terphenyl-d14
 Concen: 67.919 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF140653.D
 Acq: 26 Nov 2024 20:11

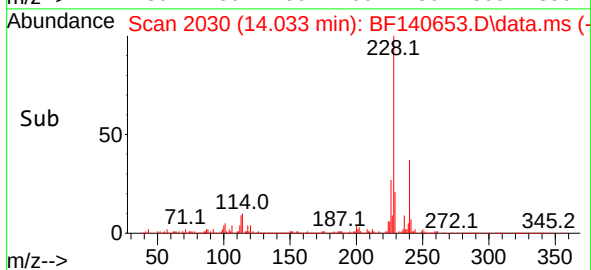
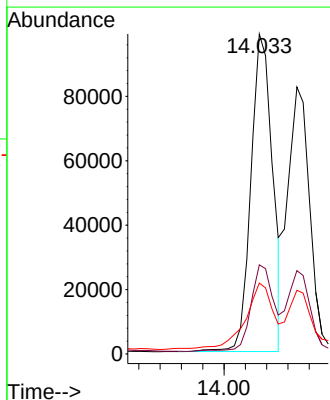
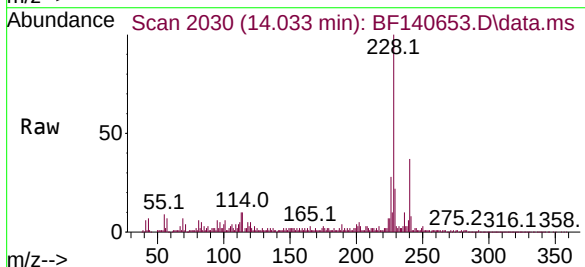
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-112224

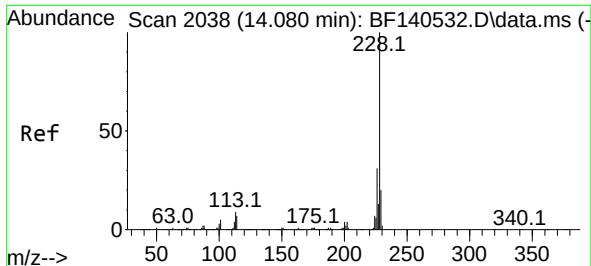
Tgt Ion:244 Resp: 610225
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 10.6 8.0 12.0



#81
 Benzo(a)anthracene
 Concen: 15.016 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF140653.D
 Acq: 26 Nov 2024 20:11

Tgt Ion:228 Resp: 139062
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.8 32.8
 229 22.2 15.8 23.6

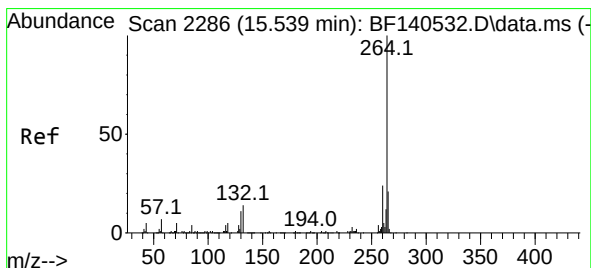
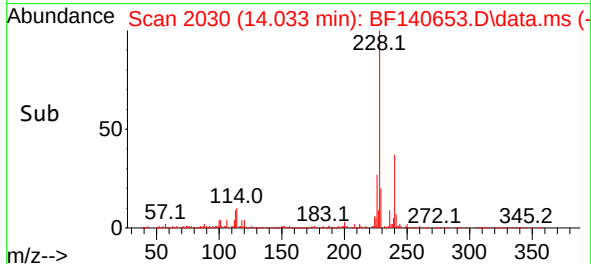
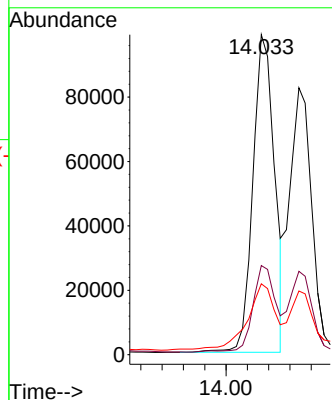
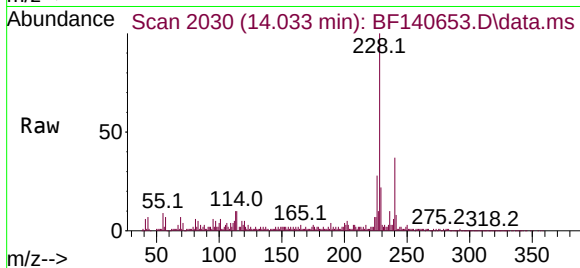




#83
Chrysene
Concen: 16.422 ng
RT: 14.033 min Scan# 2038
Delta R.T. -0.047 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

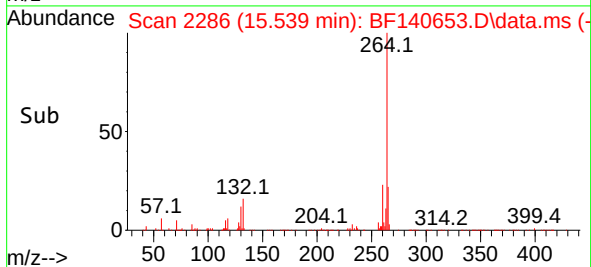
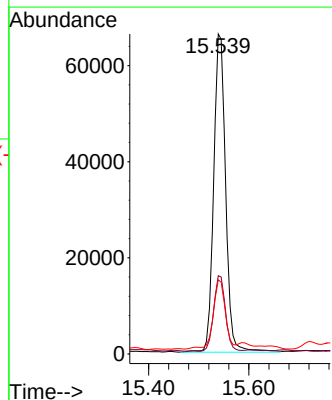
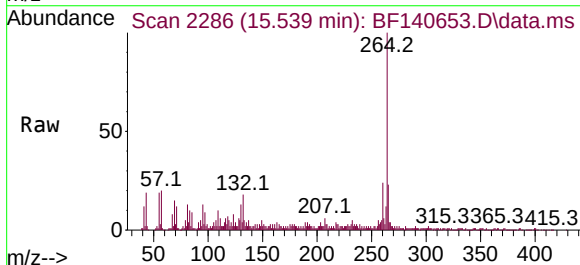
Instrument :
BNA_F
ClientSampleId :
CL-02-112224

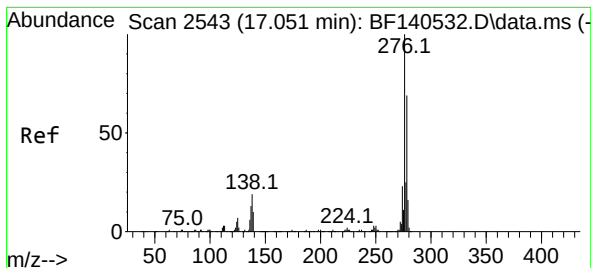
Tgt Ion:228 Resp: 139062
Ion Ratio Lower Upper
228 100
226 27.9 24.4 36.6
229 22.2 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Tgt Ion:264 Resp: 109768
Ion Ratio Lower Upper
264 100
260 24.4 19.0 28.6
265 23.1 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.027 ng

RT: 17.051 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

Instrument :

BNA_F

ClientSampleId :

CL-02-112224

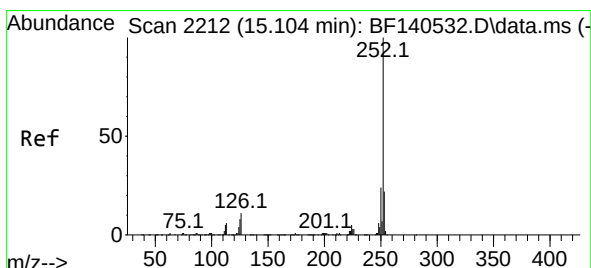
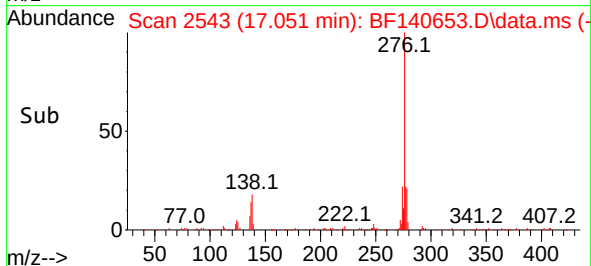
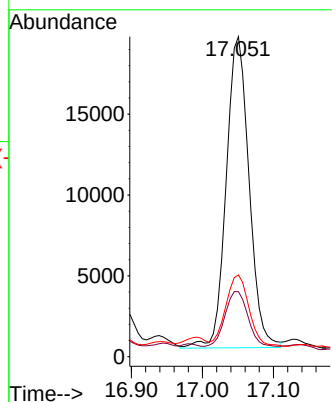
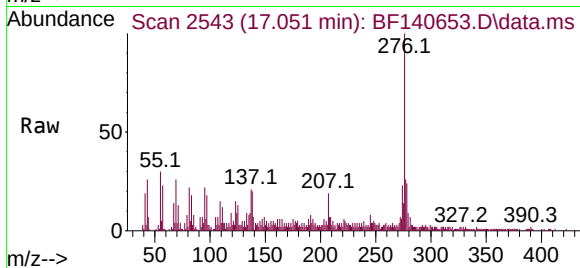
Tgt Ion:276 Resp: 43114

Ion Ratio Lower Upper

276 100

138 17.8 15.5 23.3

277 23.2 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 19.647 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.000 min

Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

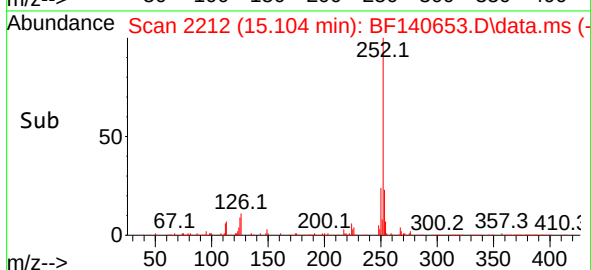
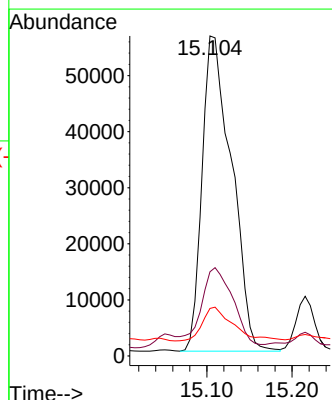
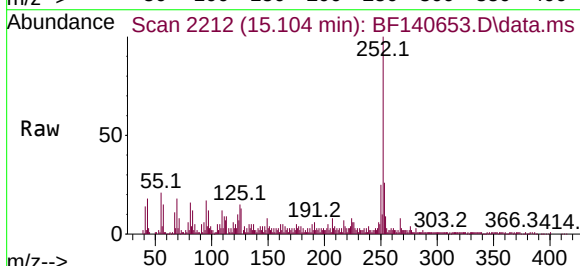
Tgt Ion:252 Resp: 135458

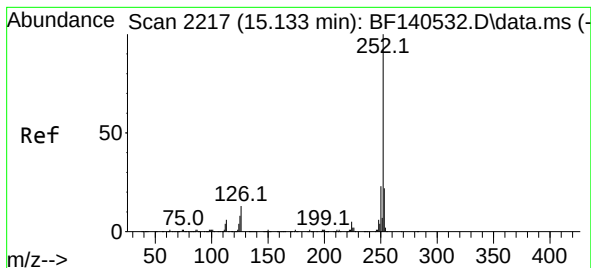
Ion Ratio Lower Upper

252 100

253 26.3 17.2 25.8#

125 14.8 6.7 10.1#





#89

Benzo(k)fluoranthene

Concen: 22.451 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

Instrument :

BNA_F

ClientSampleId :

CL-02-112224

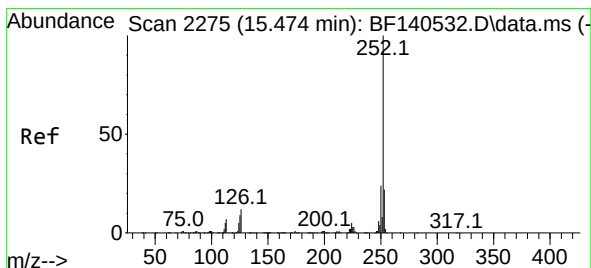
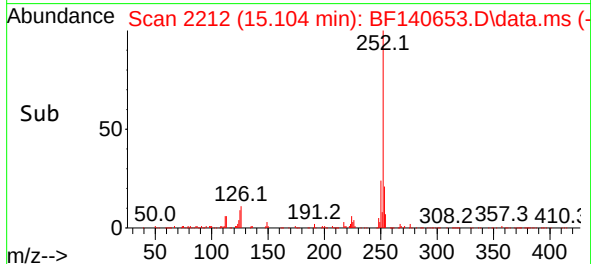
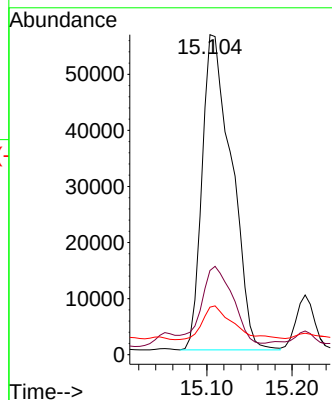
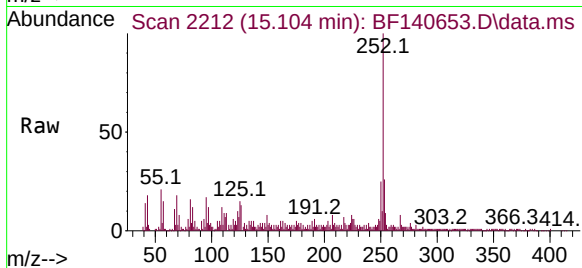
Tgt Ion:252 Resp: 135458

Ion Ratio Lower Upper

252 100

253 26.3 17.5 26.3#

125 14.8 6.5 9.7#



#90

Benzo(a)pyrene

Concen: 12.175 ng

RT: 15.480 min Scan# 2276

Delta R.T. 0.006 min

Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

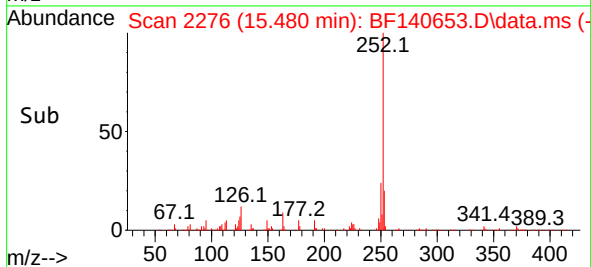
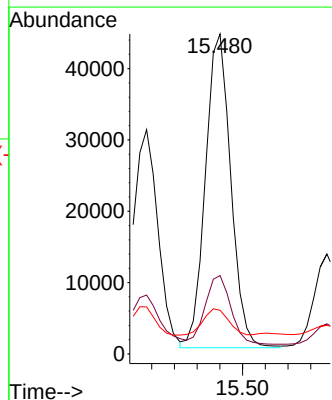
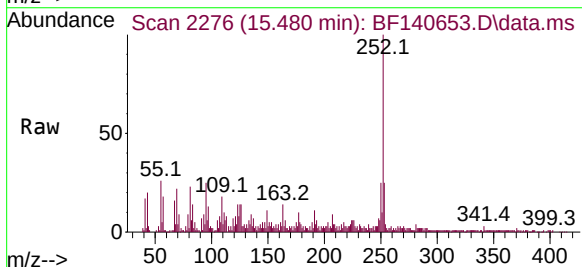
Tgt Ion:252 Resp: 68252

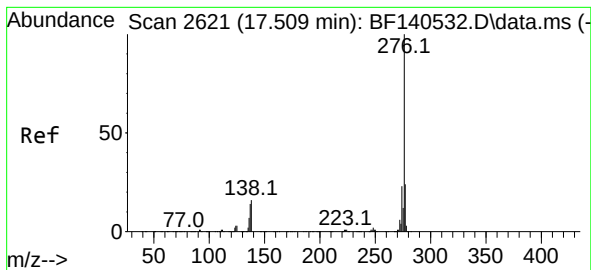
Ion Ratio Lower Upper

252 100

253 24.5 17.3 25.9

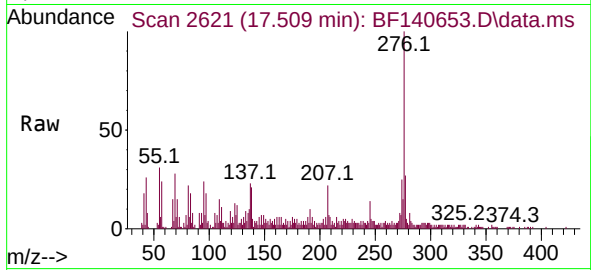
125 13.7 7.0 10.6#





#92
Benzo(g,h,i)perylene
Concen: 7.106 ng
RT: 17.509 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Instrument :
BNA_F
ClientSampleId :
CL-02-112224



Tgt Ion:276 Resp: 42482
Ion Ratio Lower Upper
276 100
277 26.7 18.9 28.3
138 21.0 13.2 19.8#

