

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140435.D
 Acq On : 16 Nov 2024 17:34
 Operator : RC/JU
 Sample : P4768-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3-2

Quant Time: Nov 18 00:08:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

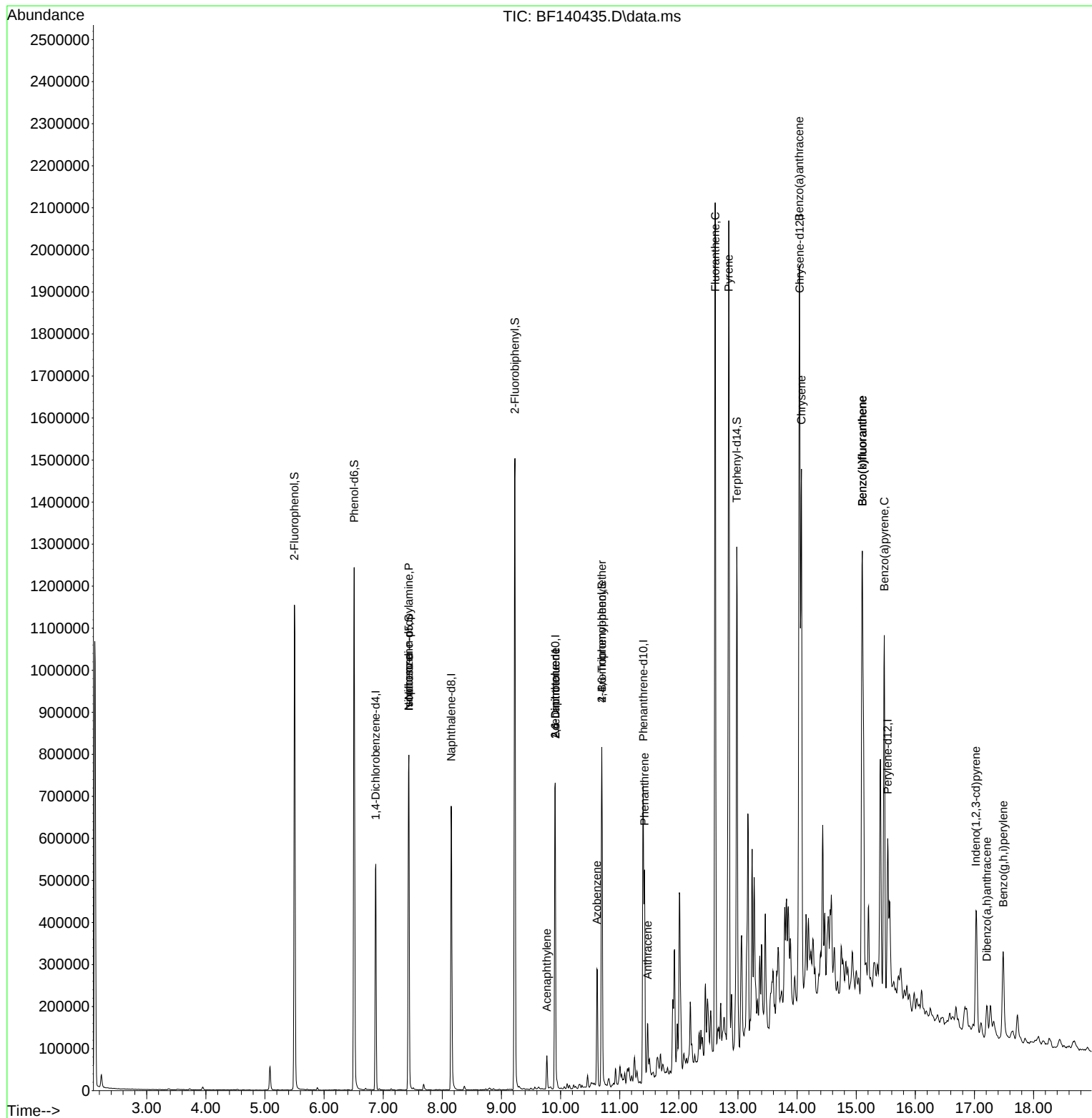
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	116979	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	433268	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	227549	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	371496	20.000	ng	0.00
76) Chrysene-d12	14.045	240	238440	20.000	ng	0.00
86) Perylene-d12	15.533	264	217138	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	444151	64.827	ng	0.00
7) Phenol-d6	6.510	99	581332	62.627	ng	0.00
23) Nitrobenzene-d5	7.434	82	367000	44.134	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	133486	58.992	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	691668	48.864	ng	0.00
79) Terphenyl-d14	12.980	244	569655	41.470	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	48865	8.716	ng	# 78
25) Isophorone	7.434	82	361356	24.519	ng	# 66
49) Acenaphthylene	9.769	152	48494	2.542	ng	99
51) 2,6-Dinitrotoluene	9.910	165	29535	8.735	ng	# 22
57) 2,4-Dinitrotoluene	9.910	165	29535	6.637	ng	# 20
63) Azobenzene	10.616	77	73994	4.938	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	8784	2.365	ng	# 1
71) Phenanthrene	11.422	178	261222	14.969	ng	99
72) Anthracene	11.474	178	78808	4.608	ng	98
75) Fluoranthene	12.616	202	1131471	57.791	ng	99
78) Pyrene	12.845	202	1159716	56.862	ng	99
81) Benzo(a)anthracene	14.039	228	861244	54.958	ng	95
83) Chrysene	14.074	228	619055	43.296	ng	97
87) Indeno(1,2,3-cd)pyrene	17.027	276	218864	16.317	ng	95
88) Benzo(b)fluoranthene	15.104	252	993485	69.943	ng	98
89) Benzo(k)fluoranthene	15.104	252	993485	85.618	ng	97
90) Benzo(a)pyrene	15.474	252	508313	46.083	ng	99
91) Dibenzo(a,h)anthracene	17.209	278	56857	5.128	ng	95
92) Benzo(g,h,i)perylene	17.486	276	185495	16.365	ng	97

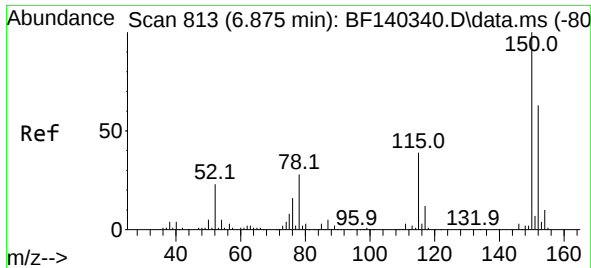
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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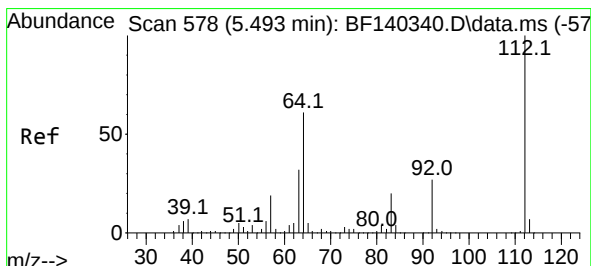
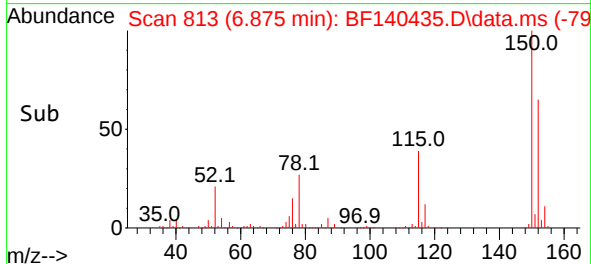
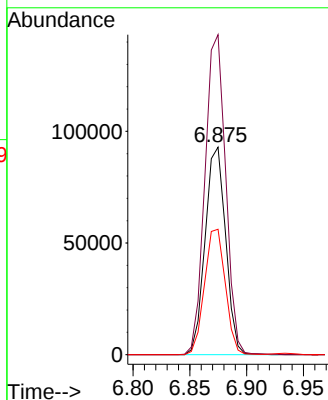
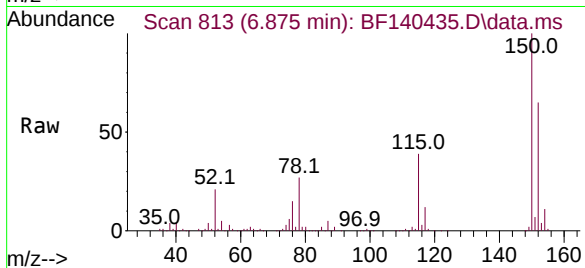




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

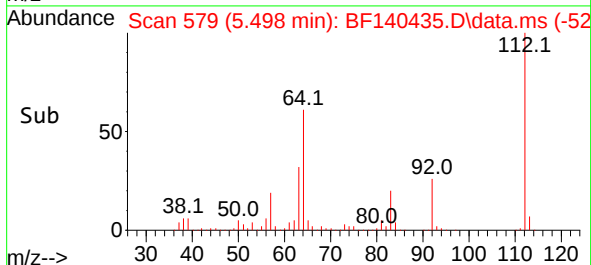
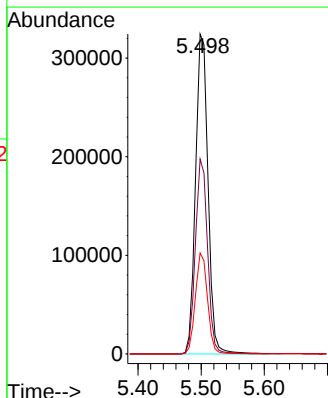
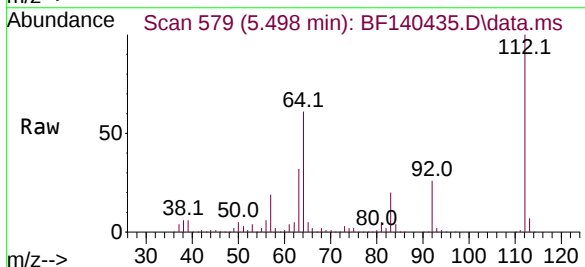
Instrument :
BNA_F
ClientSampleId :
B-3-2

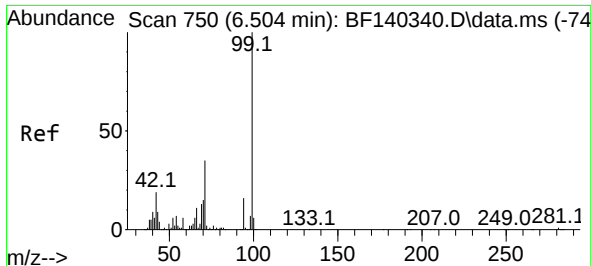
Tgt Ion:152 Resp: 116979
Ion Ratio Lower Upper
152 100
150 154.3 127.4 191.0
115 60.5 47.4 71.2



#5
2-Fluorophenol
Concen: 64.827 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

Tgt Ion:112 Resp: 444151
Ion Ratio Lower Upper
112 100
64 60.9 49.2 73.8
63 31.5 25.6 38.4

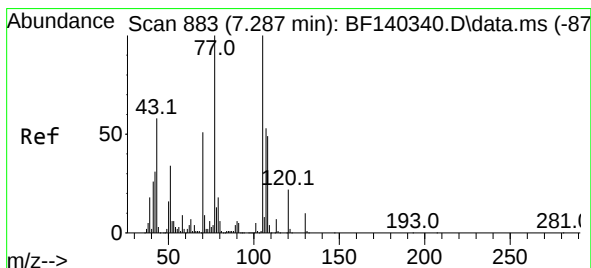
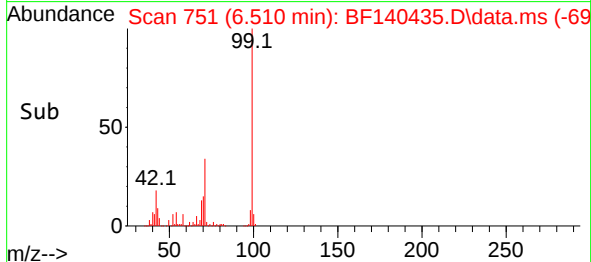
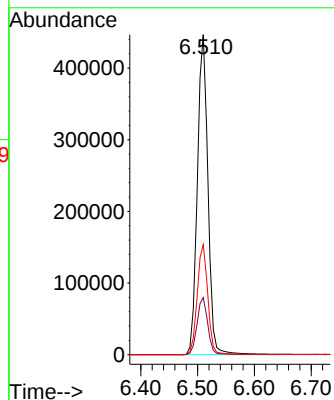
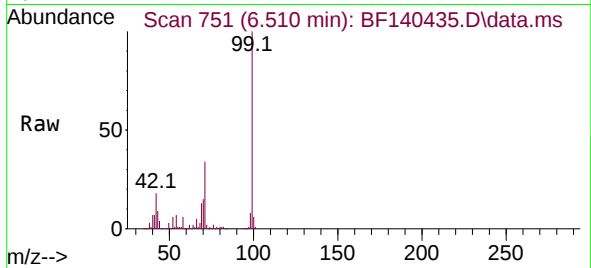




#7
Phenol-d6
Concen: 62.627 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

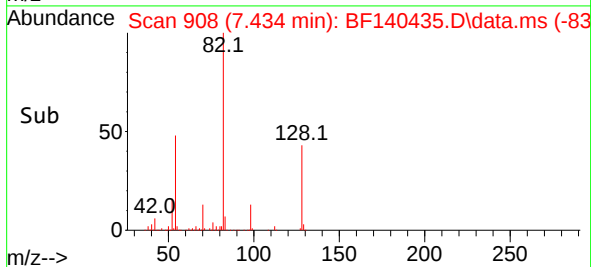
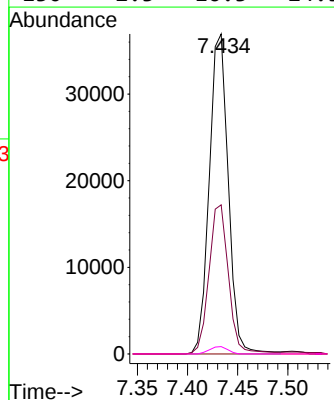
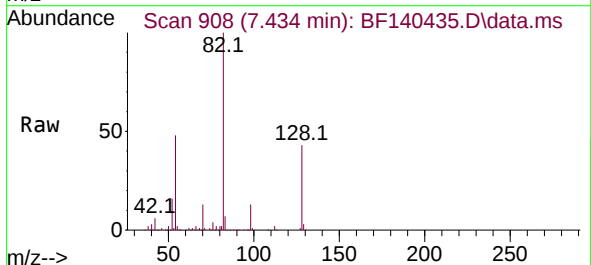
Instrument :
BNA_F
ClientSampleId :
B-3-2

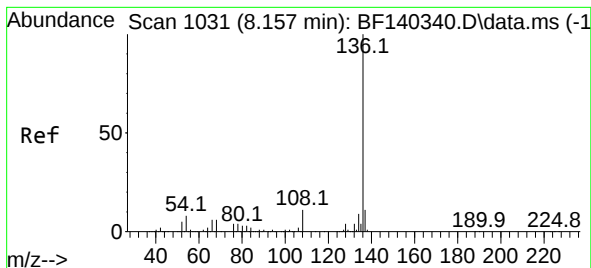
Tgt Ion: 99 Resp: 581332
Ion Ratio Lower Upper
99 100
42 17.8 15.1 22.7
71 34.4 27.9 41.9



#19
n-Nitroso-di-n-propylamine
Concen: 8.716 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

Tgt Ion: 70 Resp: 48865
Ion Ratio Lower Upper
70 100
42 46.6 46.8 70.2#
101 0.0 7.5 11.3#
130 2.3 16.3 24.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140435.D

Acq: 16 Nov 2024 17:34

Instrument :

BNA_F

ClientSampleId :

B-3-2

Tgt Ion:136 Resp: 433268

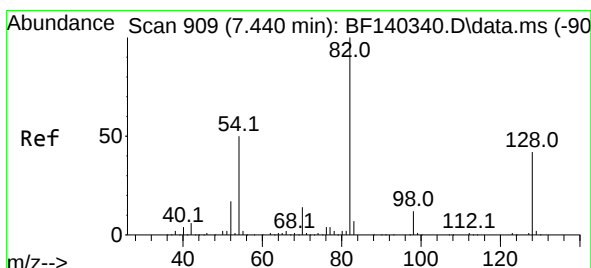
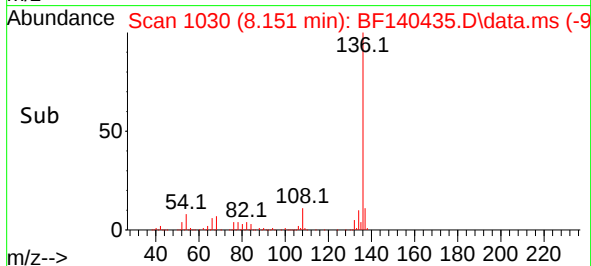
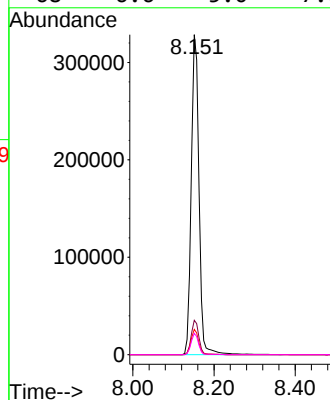
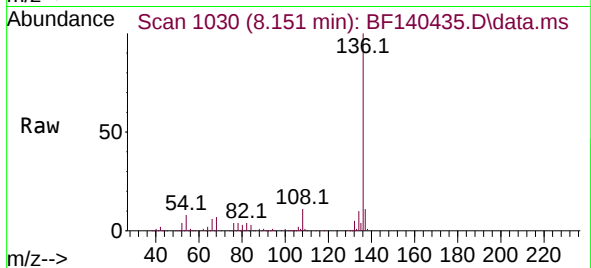
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 7.9 6.5 9.7

68 6.6 5.0 7.6



#23

Nitrobenzene-d5

Concen: 44.134 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF140435.D

Acq: 16 Nov 2024 17:34

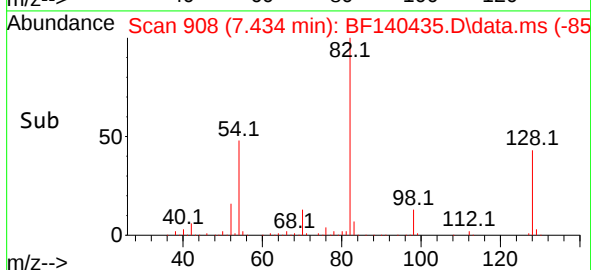
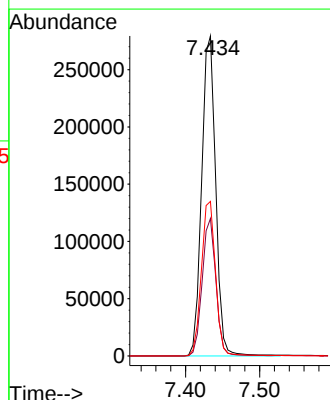
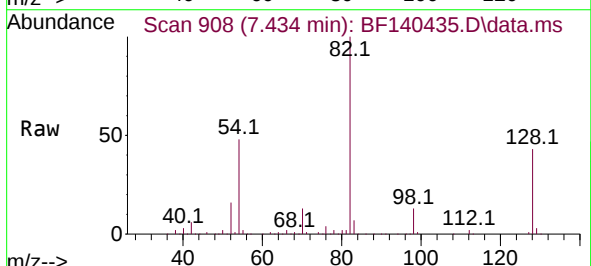
Tgt Ion: 82 Resp: 367000

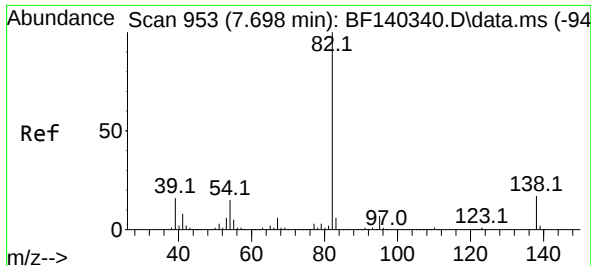
Ion Ratio Lower Upper

82 100

128 43.0 33.3 49.9

54 48.3 39.8 59.8

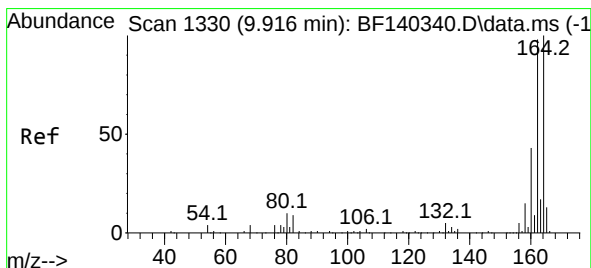
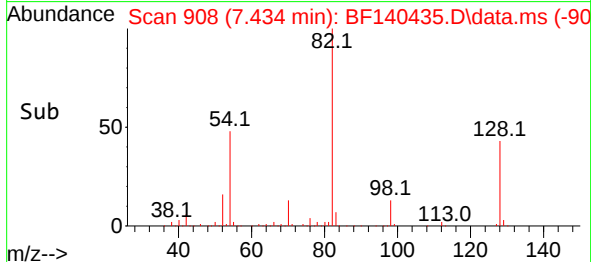
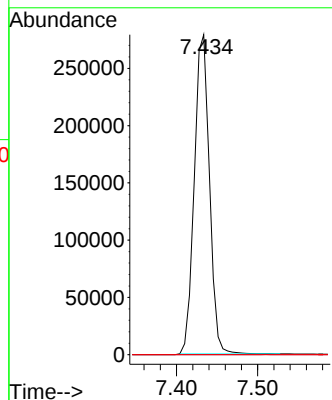
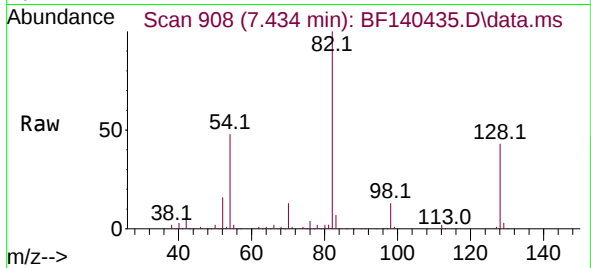




#25
Isophorone
Concen: 24.519 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

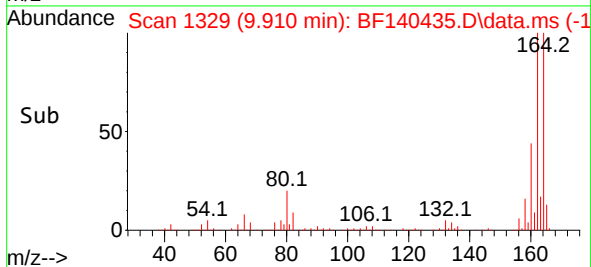
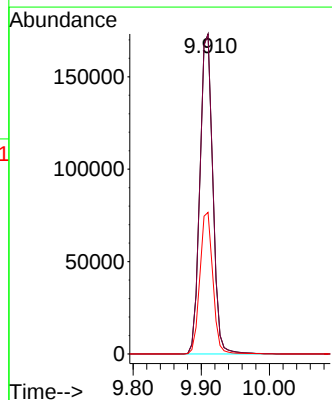
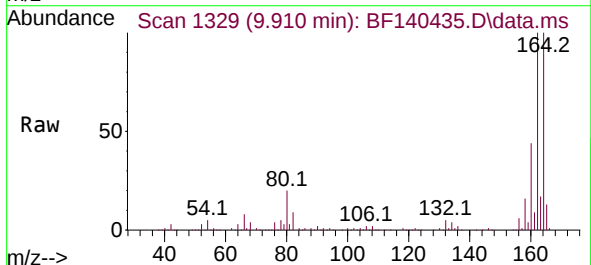
Instrument :
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ClientSampleId :
B-3-2

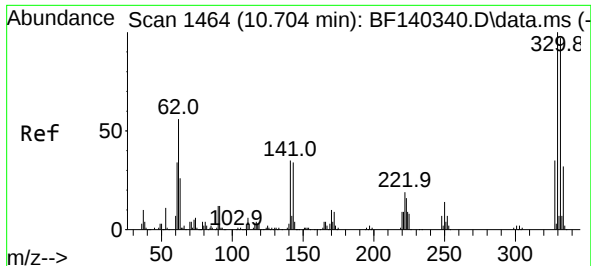
Tgt Ion: 82 Resp: 361356
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

Tgt Ion: 164 Resp: 227549
Ion Ratio Lower Upper
164 100
162 99.9 79.8 119.8
160 44.3 35.4 53.0

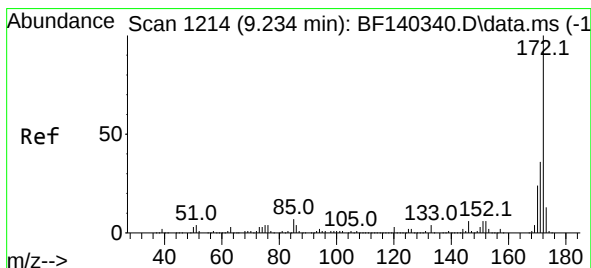
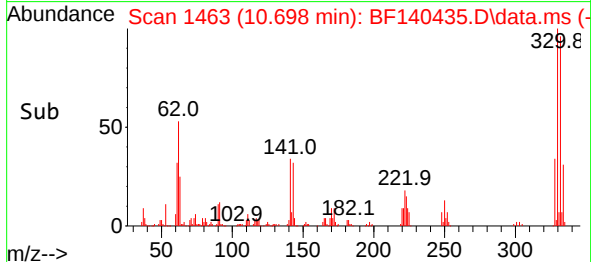
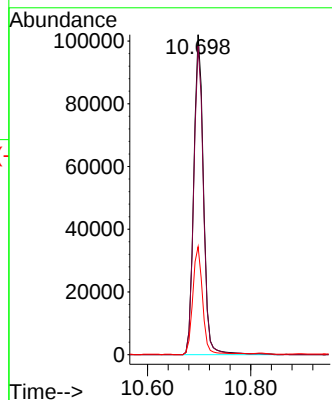
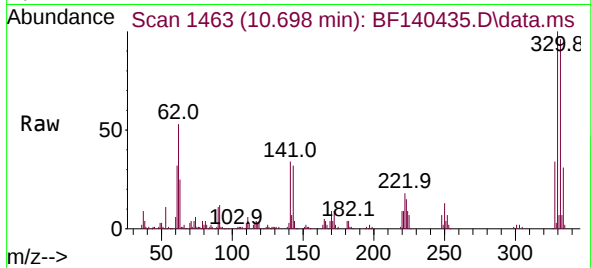




#42
2,4,6-Tribromophenol
Concen: 58.992 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

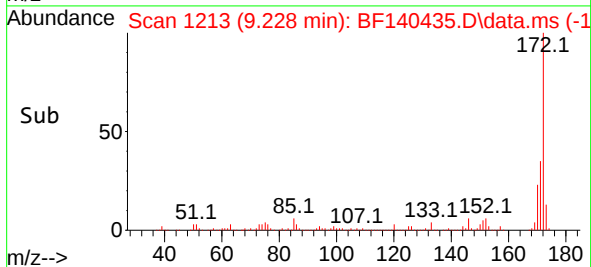
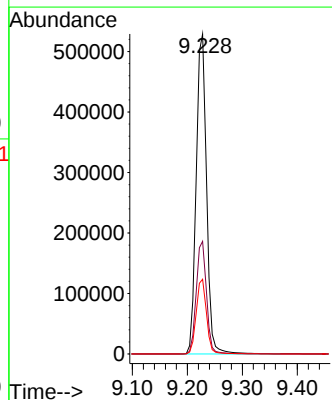
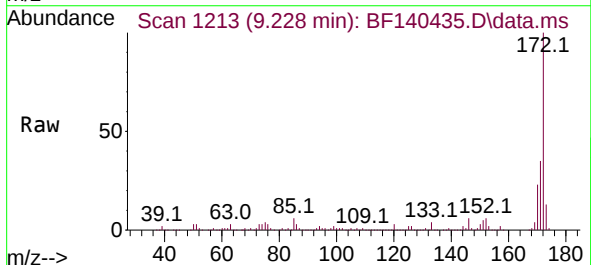
Instrument :
BNA_F
ClientSampleId :
B-3-2

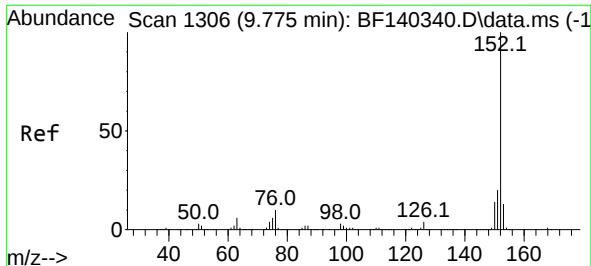
Tgt Ion: 330 Resp: 133486
Ion Ratio Lower Upper
330 100
332 96.0 75.9 113.9
141 34.0 26.9 40.3



#45
2-Fluorobiphenyl
Concen: 48.864 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

Tgt Ion: 172 Resp: 691668
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.4 19.1 28.7





#49

Acenaphthylene

Concen: 2.542 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140435.D

Acq: 16 Nov 2024 17:34

Instrument :

BNA_F

ClientSampleId :

B-3-2

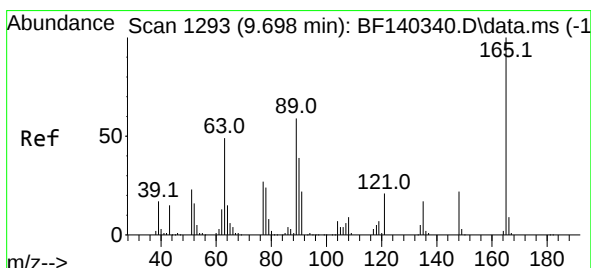
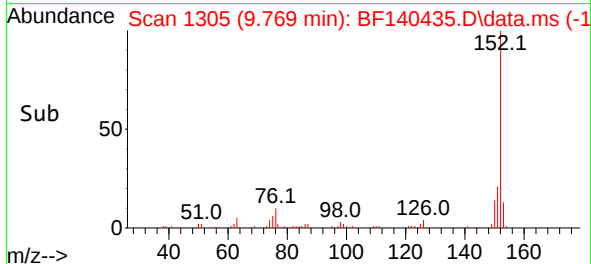
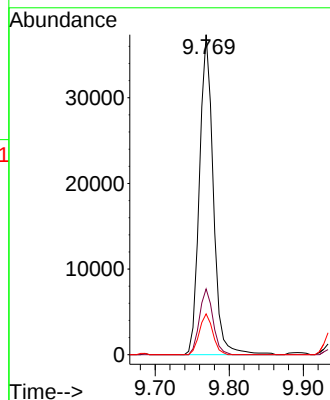
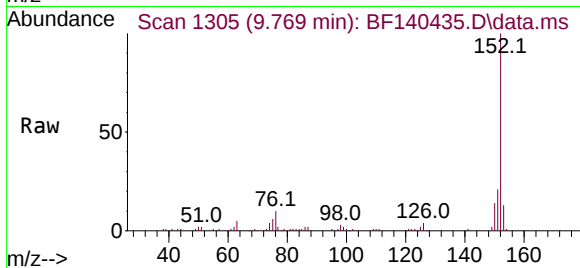
Tgt Ion:152 Resp: 48494

Ion Ratio Lower Upper

152 100

151 20.6 16.1 24.1

153 12.7 10.7 16.1



#51

2,6-Dinitrotoluene

Concen: 8.735 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF140435.D

Acq: 16 Nov 2024 17:34

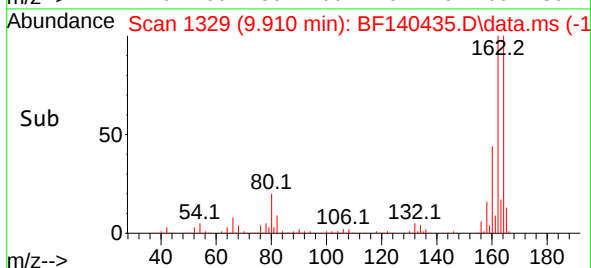
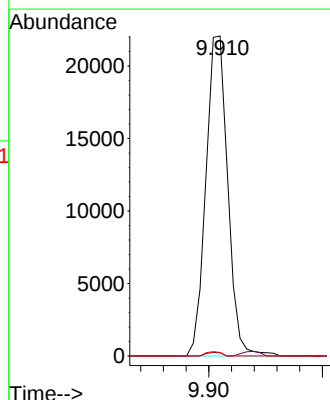
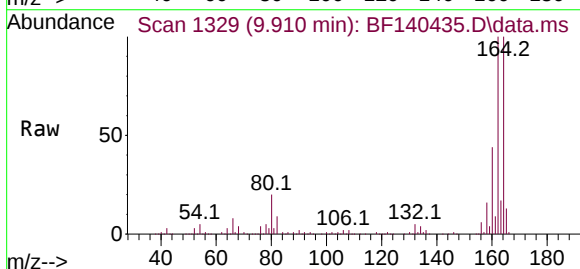
Tgt Ion:165 Resp: 29535

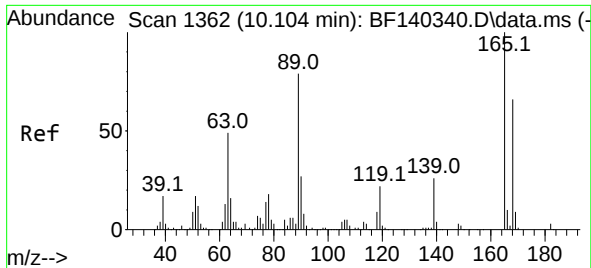
Ion Ratio Lower Upper

165 100

63 1.0 47.6 71.4#

89 1.1 48.1 72.1#

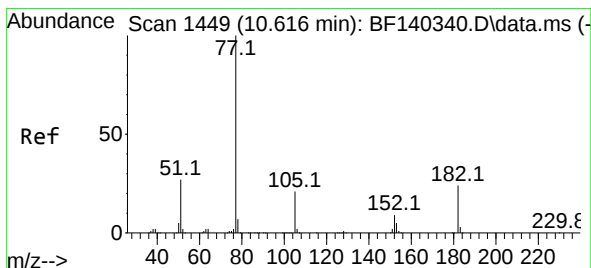
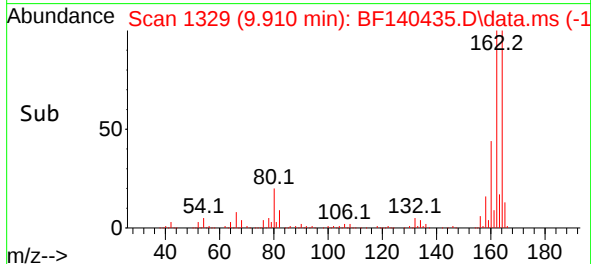
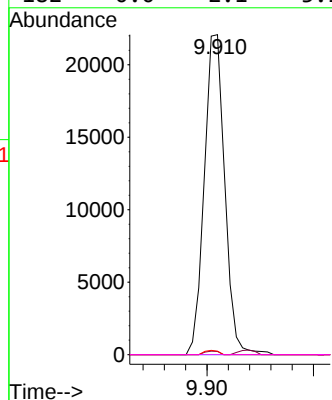
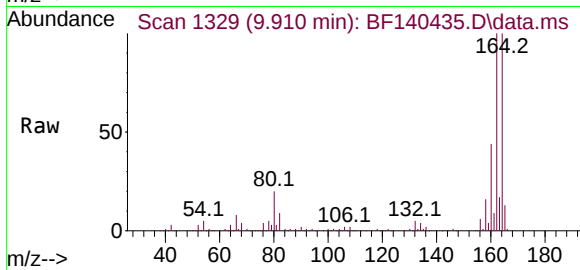




#57
2,4-Dinitrotoluene
Concen: 6.637 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

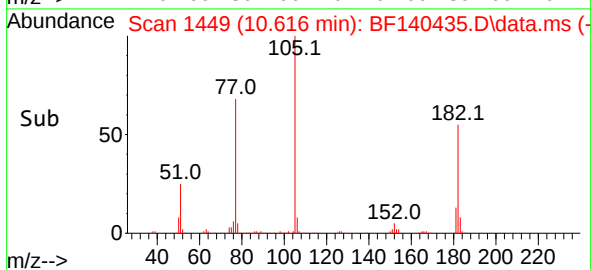
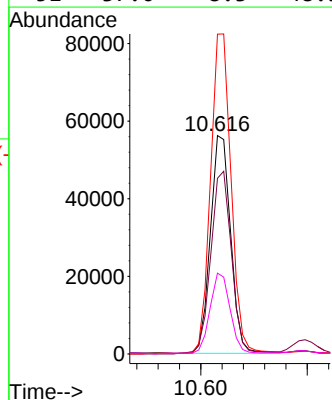
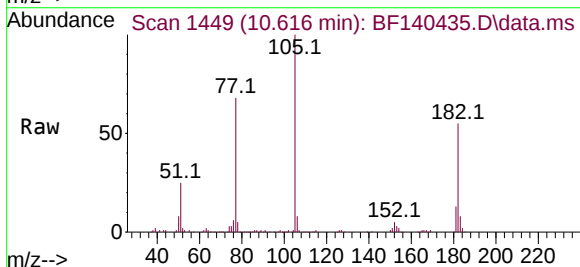
Instrument :
BNA_F
ClientSampleId :
B-3-2

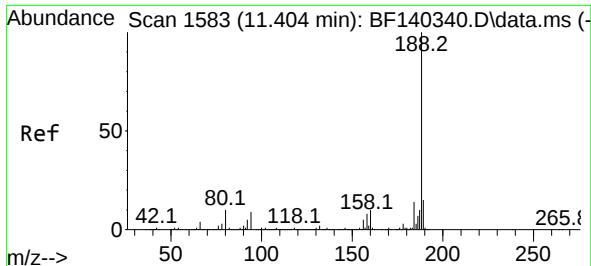
Tgt Ion:165	Resp:	29535
Ion Ratio	Lower	Upper
165	100	
63	1.0	39.4 59.0#
89	1.1	62.4 93.6#
182	0.0	2.1 3.1#



#63
Azobenzene
Concen: 4.938 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

Tgt Ion: 77	Resp:	73994
Ion Ratio	Lower	Upper
77	100	
182	80.5	4.6 44.6#
105	146.5	0.9 40.9#
51	37.0	8.3 48.3

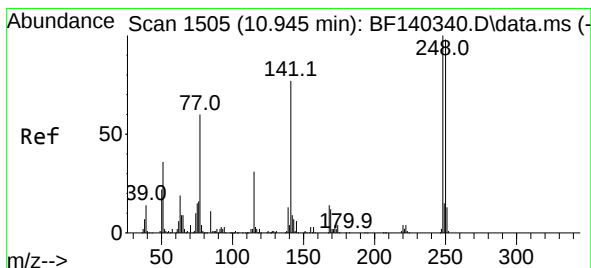
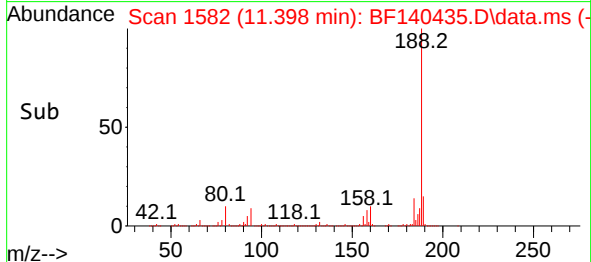
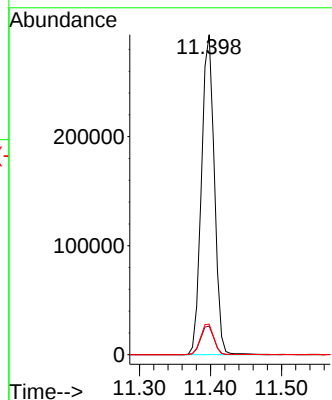
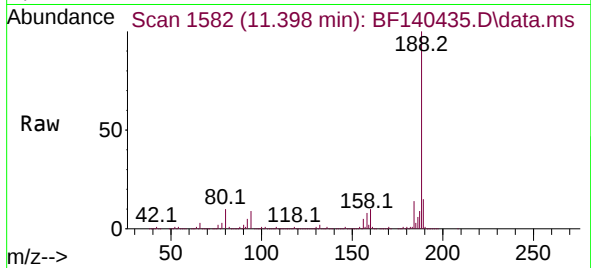




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

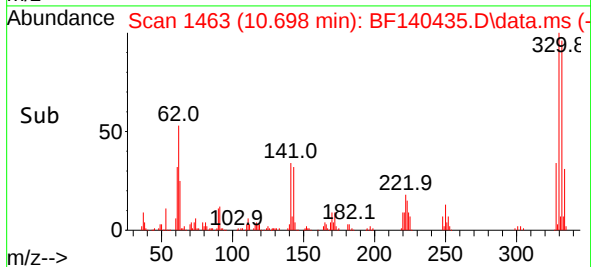
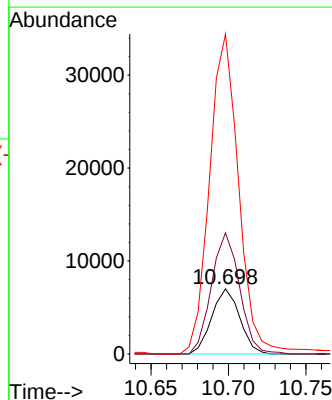
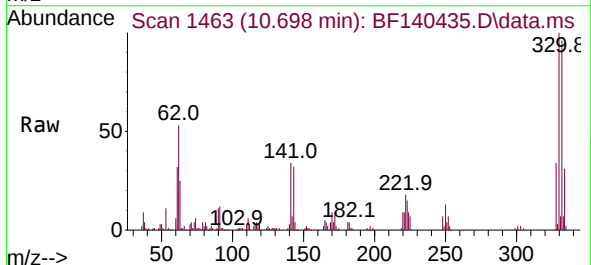
Instrument :
BNA_F
ClientSampleId :
B-3-2

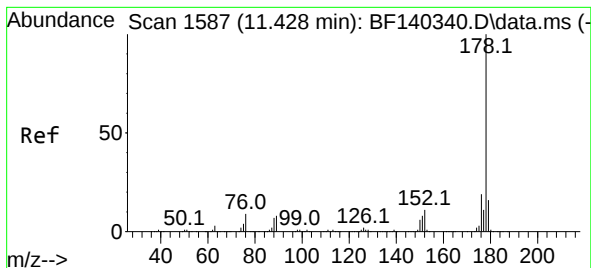
Tgt Ion:188 Resp: 371496
Ion Ratio Lower Upper
188 100
94 8.9 7.6 11.4
80 9.5 8.0 12.0



#67
4-Bromophenyl-phenylether
Concen: 2.365 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

Tgt Ion:248 Resp: 8784
Ion Ratio Lower Upper
248 100
250 186.1 77.9 116.9#
141 491.3 61.8 92.6#





#71

Phenanthrene

Concen: 14.969 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF140435.D

Acq: 16 Nov 2024 17:34

Instrument :

BNA_F

ClientSampleId :

B-3-2

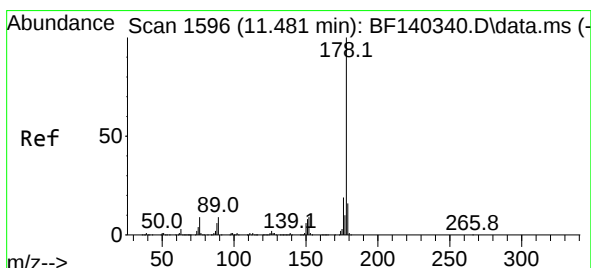
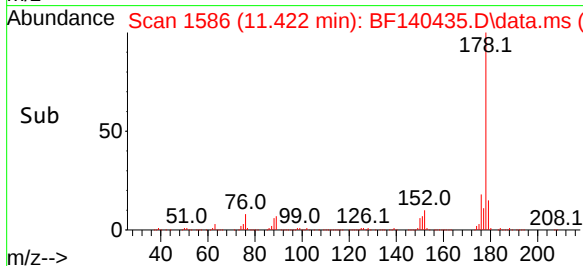
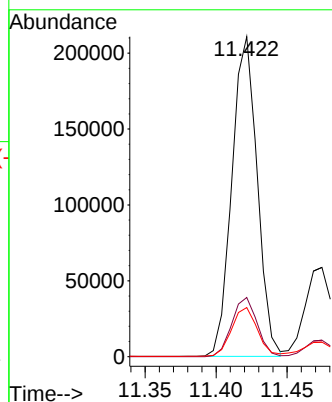
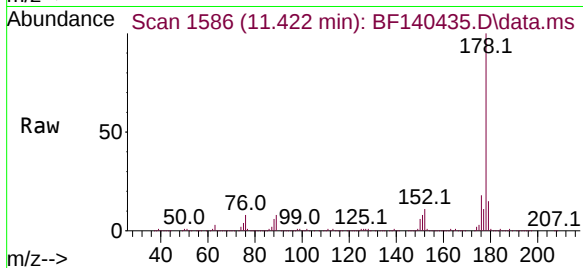
Tgt Ion:178 Resp: 261222

Ion Ratio Lower Upper

178 100

176 18.5 15.5 23.3

179 15.4 12.4 18.6



#72

Anthracene

Concen: 4.608 ng

RT: 11.474 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF140435.D

Acq: 16 Nov 2024 17:34

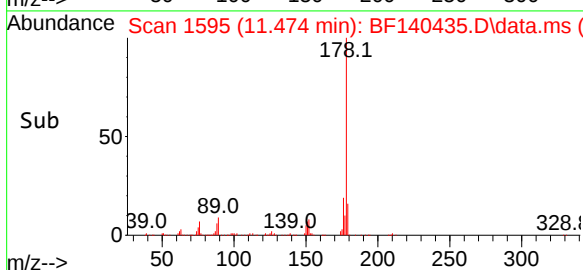
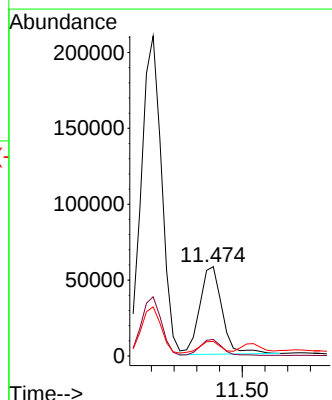
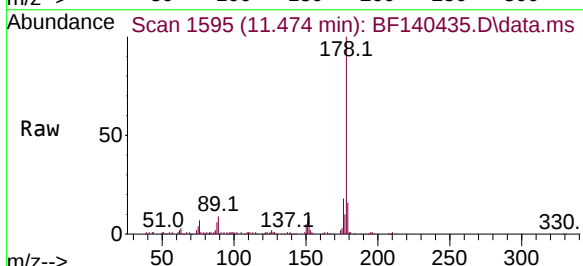
Tgt Ion:178 Resp: 78808

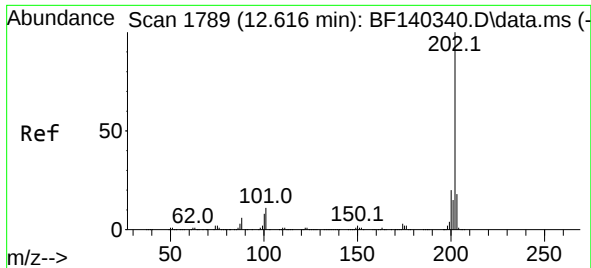
Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

179 16.4 12.6 18.8

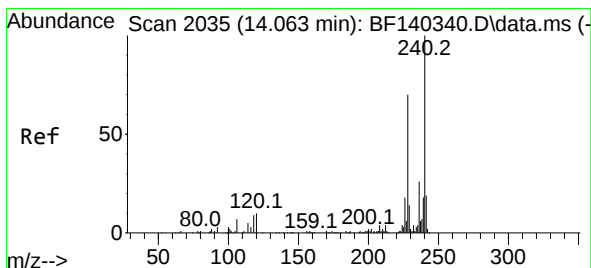
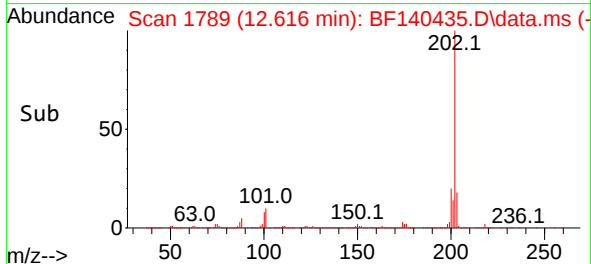
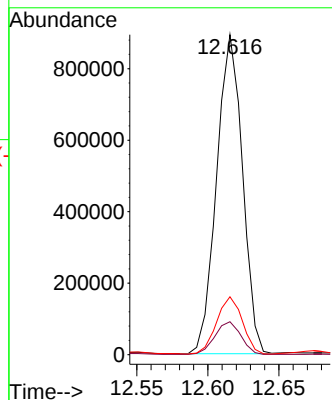
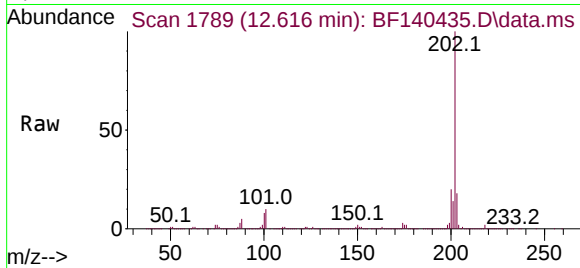




#75
Fluoranthene
Concen: 57.791 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.000 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

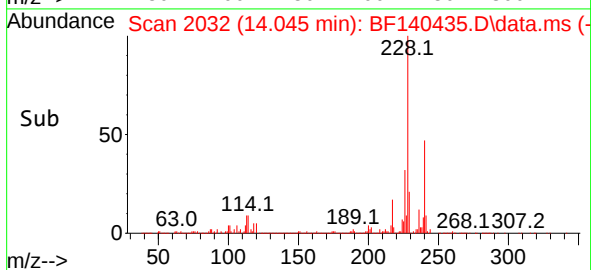
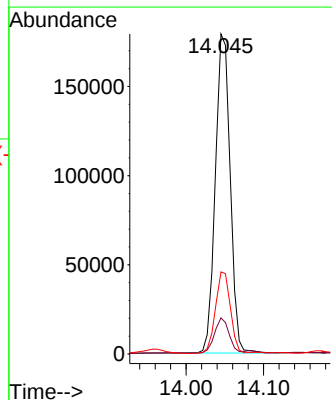
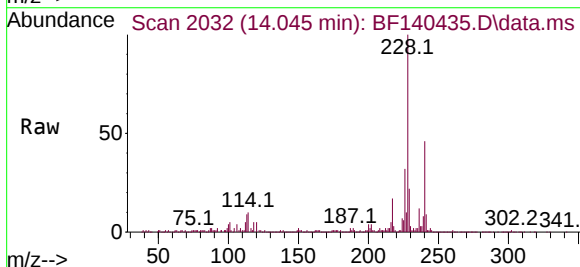
Instrument :
BNA_F
ClientSampleId :
B-3-2

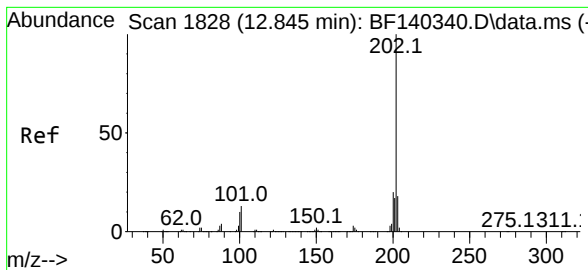
Tgt Ion:202 Resp: 1131471
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.7
203 18.1 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

Tgt Ion:240 Resp: 238440
Ion Ratio Lower Upper
240 100
120 11.2 8.8 13.2
236 25.6 20.9 31.3





#78

Pyrene

Concen: 56.862 ng

RT: 12.845 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140435.D

Acq: 16 Nov 2024 17:34

Instrument :

BNA_F

ClientSampleId :

B-3-2

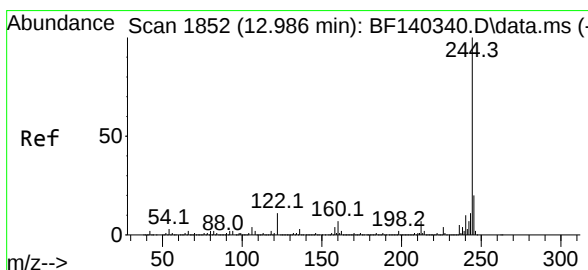
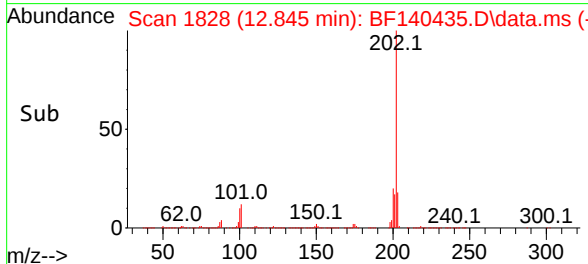
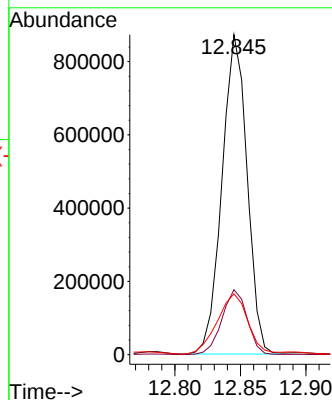
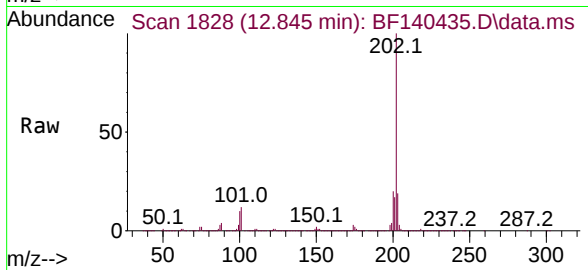
Tgt Ion:202 Resp: 1159716

Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.2

203 19.0 14.2 21.4



#79

Terphenyl-d14

Concen: 41.470 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF140435.D

Acq: 16 Nov 2024 17:34

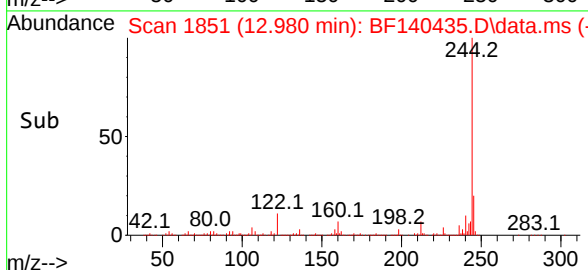
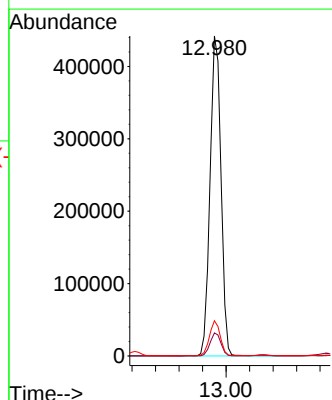
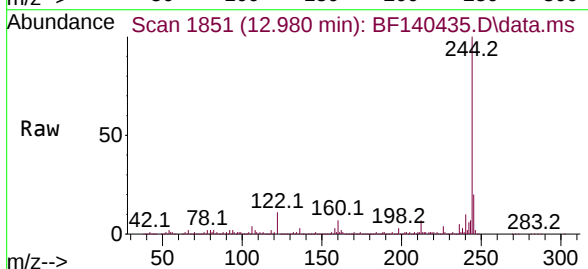
Tgt Ion:244 Resp: 569655

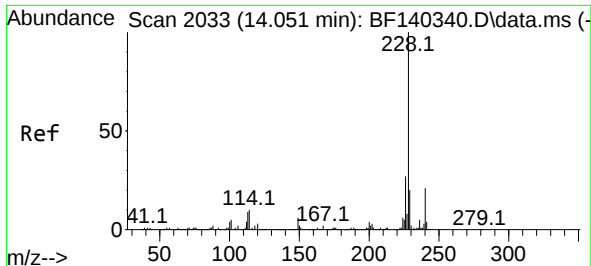
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 11.0 8.8 13.2

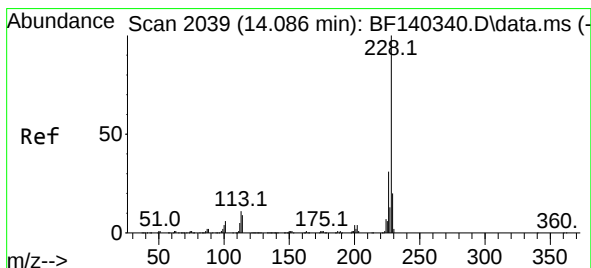
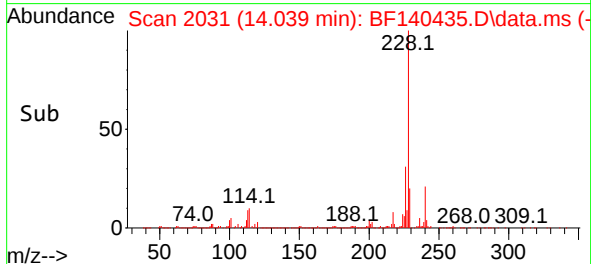
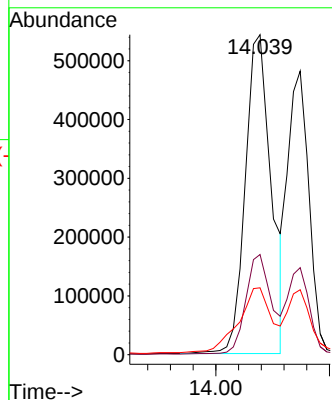
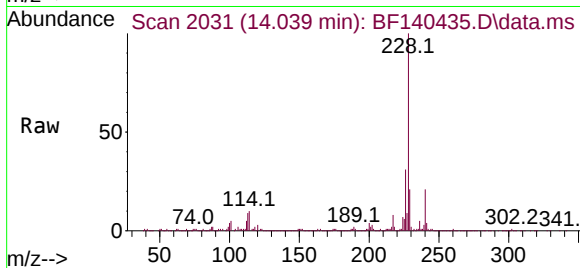




#81
Benzo(a)anthracene
Concen: 54.958 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

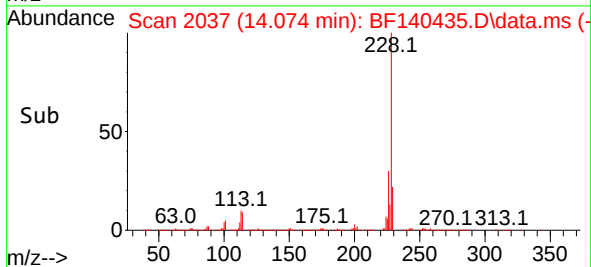
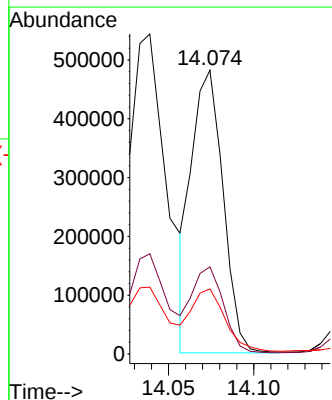
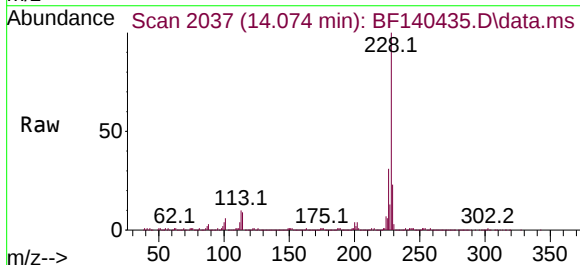
Instrument :
BNA_F
ClientSampleId :
B-3-2

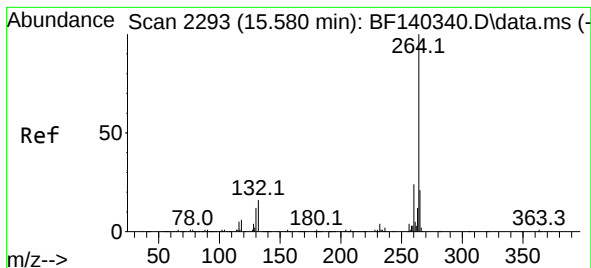
Tgt Ion:228 Resp: 861244
Ion Ratio Lower Upper
228 100
226 31.3 22.2 33.4
229 20.9 15.8 23.6



#83
Chrysene
Concen: 43.296 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

Tgt Ion:228 Resp: 619055
Ion Ratio Lower Upper
228 100
226 30.7 24.5 36.7
229 22.9 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF140435.D

Acq: 16 Nov 2024 17:34

Instrument :

BNA_F

ClientSampleId :

B-3-2

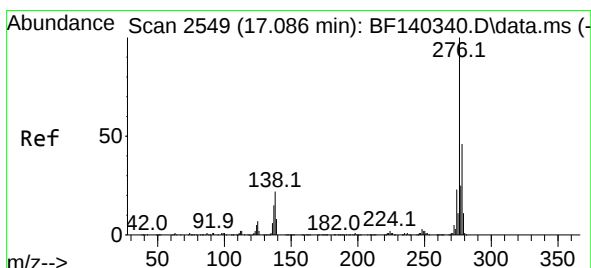
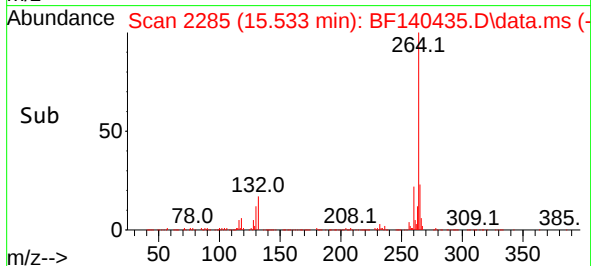
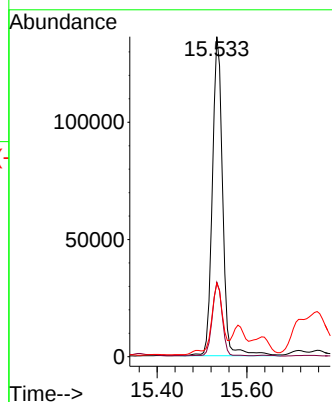
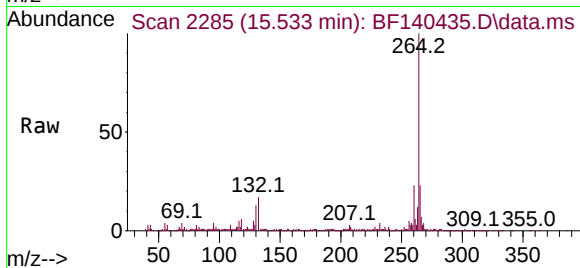
Tgt Ion:264 Resp: 217138

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 22.9 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 16.317 ng

RT: 17.027 min Scan# 2539

Delta R.T. -0.030 min

Lab File: BF140435.D

Acq: 16 Nov 2024 17:34

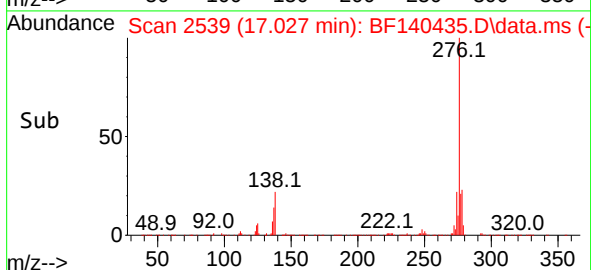
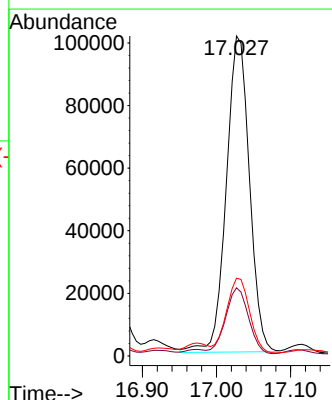
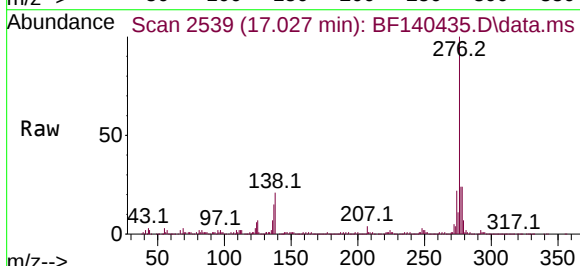
Tgt Ion:276 Resp: 218864

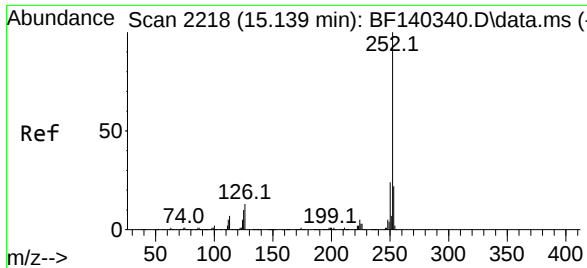
Ion Ratio Lower Upper

276 100

138 20.5 18.8 28.2

277 23.5 20.2 30.2

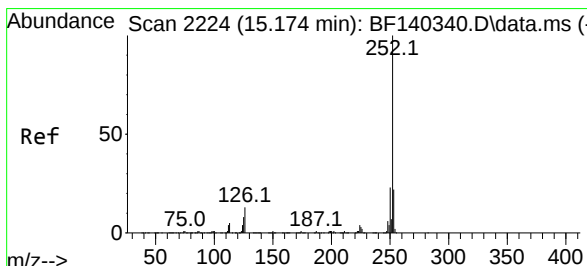
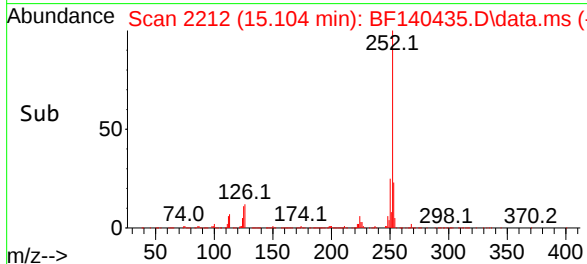
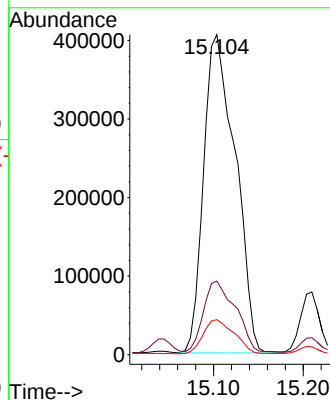
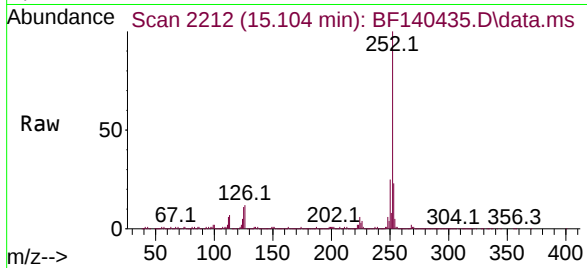




#88
Benzo(b)fluoranthene
Concen: 69.943 ng
RT: 15.104 min Scan# 2212
Delta R.T. -0.012 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

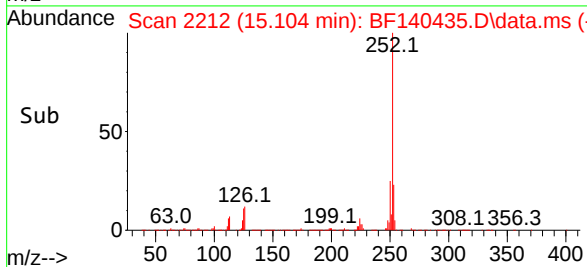
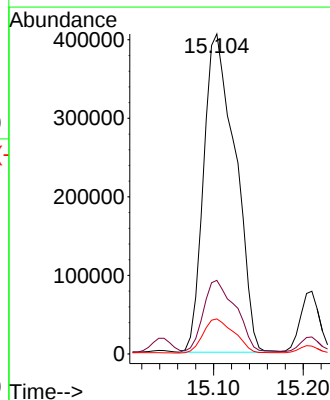
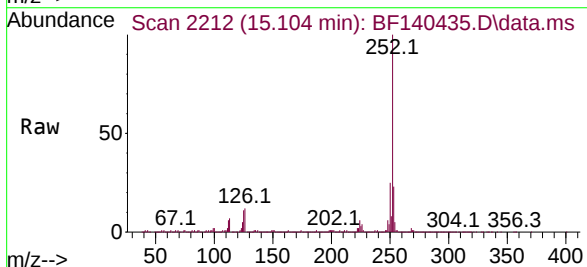
Instrument :
BNA_F
ClientSampleId :
B-3-2

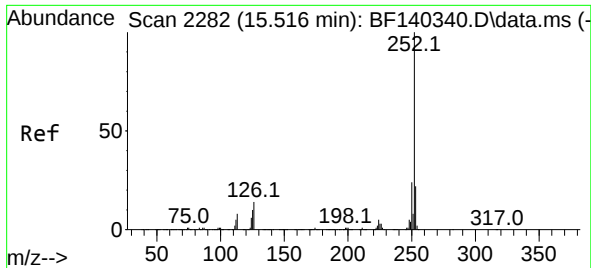
Tgt Ion:252 Resp: 993485
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 11.0 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 85.618 ng
RT: 15.104 min Scan# 2212
Delta R.T. -0.047 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

Tgt Ion:252 Resp: 993485
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 11.0 7.4 11.2

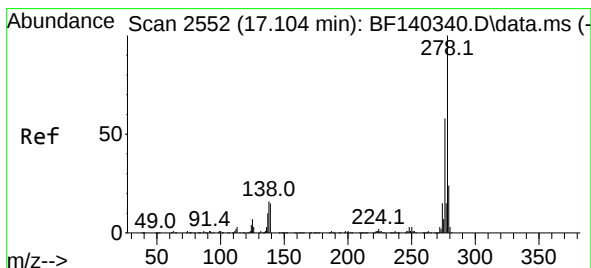
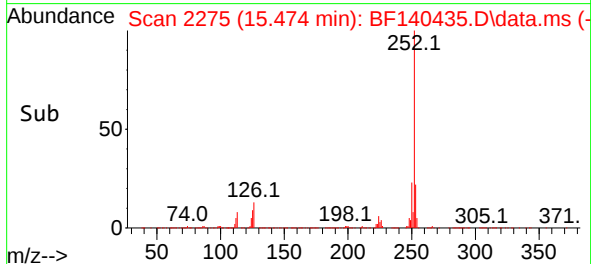
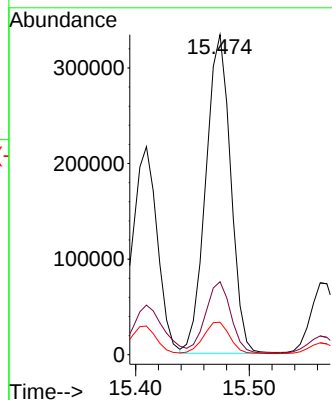
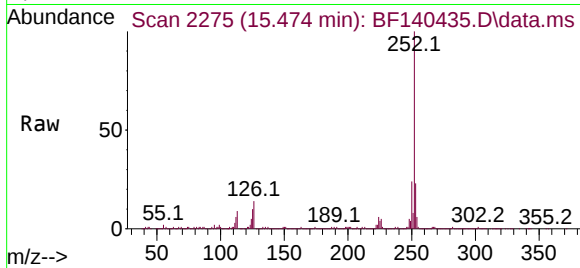




#90
Benzo(a)pyrene
Concen: 46.083 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

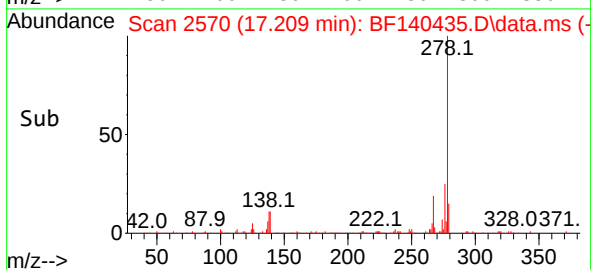
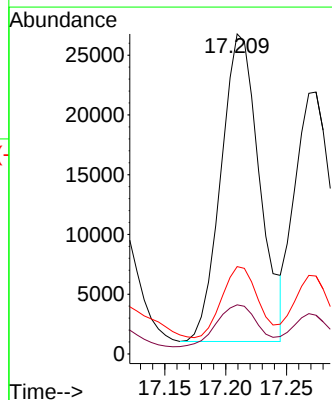
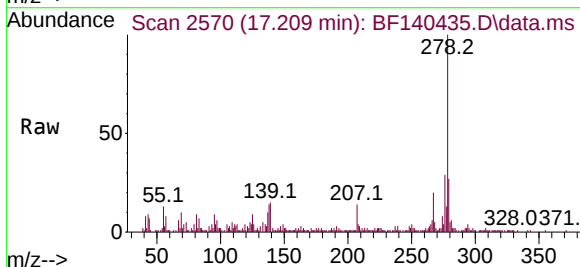
Instrument :
BNA_F
ClientSampleId :
B-3-2

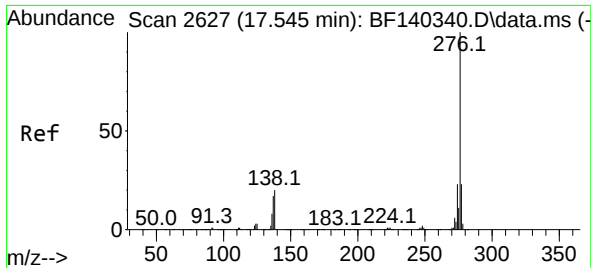
Tgt Ion:252 Resp: 508313
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 10.2 8.4 12.6



#91
Dibenzo(a,h)anthracene
Concen: 5.128 ng
RT: 17.209 min Scan# 2570
Delta R.T. 0.135 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

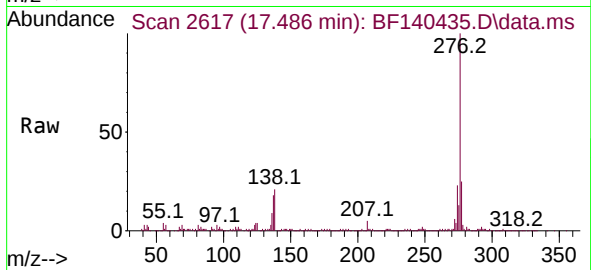
Tgt Ion:278 Resp: 56857
Ion Ratio Lower Upper
278 100
139 15.4 11.8 17.8
279 27.3 18.9 28.3





#92
 Benzo(g,h,i)perylene
 Concen: 16.365 ng
 RT: 17.486 min Scan# 20
 Delta R.T. -0.030 min
 Lab File: BF140435.D
 Acq: 16 Nov 2024 17:34

Instrument :
 BNA_F
 ClientSampleId :
 B-3-2



Tgt Ion:276 Resp: 185495
 Ion Ratio Lower Upper
 276 100
 277 24.6 18.6 28.0
 138 21.4 16.0 24.0

