

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140558.D
 Acq On : 22 Nov 2024 01:21
 Operator : RC/JU
 Sample : P4916-05RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-WCRE

Quant Time: Nov 22 02:55:09 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

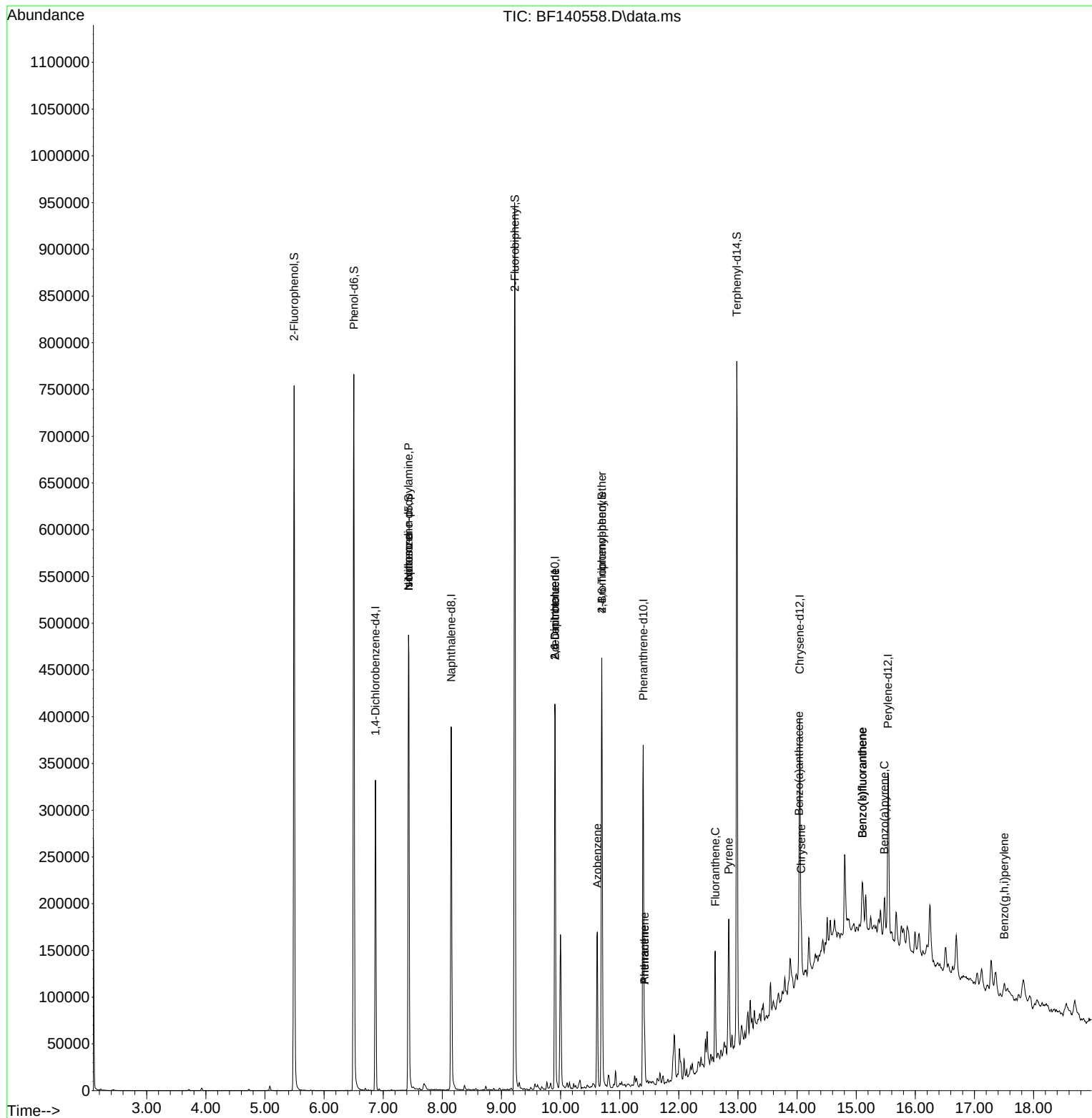
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	66800	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	248392	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	126089	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	195894	20.000	ng	0.00
76) Chrysene-d12	14.045	240	118681	20.000	ng	0.00
86) Perylene-d12	15.539	264	91198	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	276821	70.706	ng	0.00
7) Phenol-d6	6.504	99	348630	67.357	ng	-0.01
23) Nitrobenzene-d5	7.428	82	230460	47.458	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	76209	56.513	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	435645	51.478	ng	0.00
79) Terphenyl-d14	12.980	244	355074	46.587	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.428	70	30786	10.064	ng	# 76
25) Isophorone	7.428	82	225752	27.872	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	16301	8.655	ng	# 19
57) 2,4-Dinitrotoluene	9.904	165	16301	6.513	ng	# 17
63) Azobenzene	10.622	77	45715	5.722	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	5147	2.551	ng	# 1
71) Phenanthrene	11.421	178	28271	3.002	ng	99
72) Anthracene	11.421	178	28271	3.069	ng	99
75) Fluoranthene	12.616	202	66992	6.553	ng	98
78) Pyrene	12.845	202	69810	6.362	ng	98
81) Benzo(a)anthracene	14.033	228	25224	3.211	ng	# 89
83) Chrysene	14.068	228	31625	4.402	ng	# 92
88) Benzo(b)fluoranthene	15.104	252	33809	5.902	ng	# 80
89) Benzo(k)fluoranthene	15.104	252	33809	6.745	ng	# 81
90) Benzo(a)pyrene	15.474	252	16326	3.505	ng	# 78
92) Benzo(g,h,i)perylene	17.503	276	11192	2.253	ng	# 87

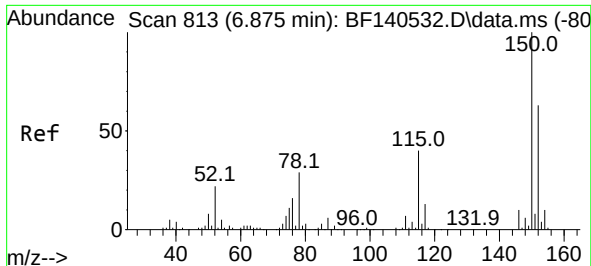
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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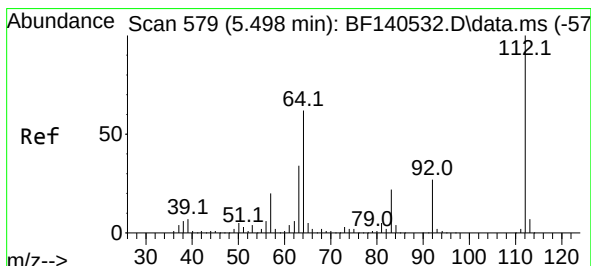
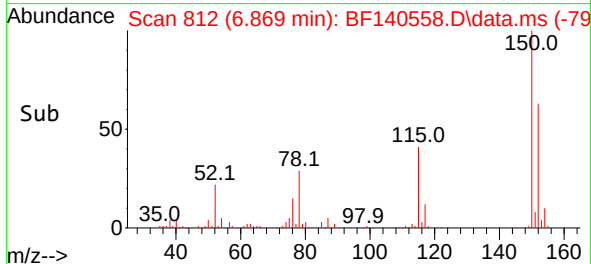
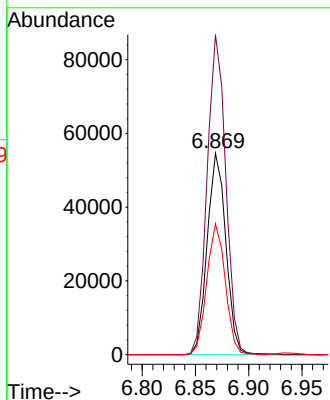
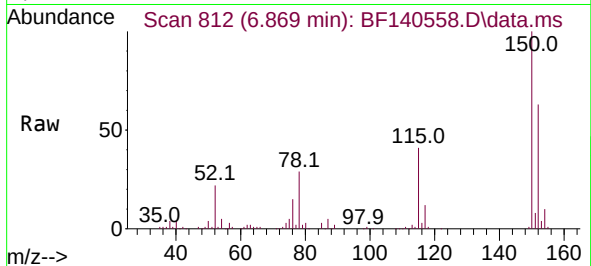




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140558.D
Acq: 22 Nov 2024 01:21

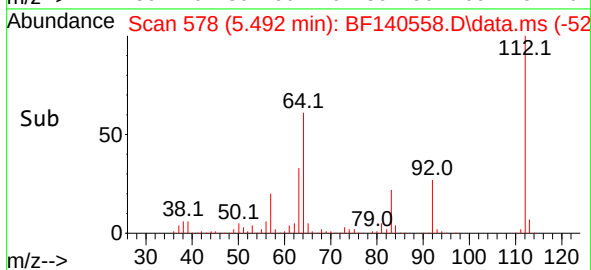
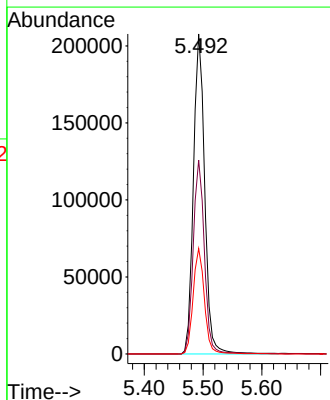
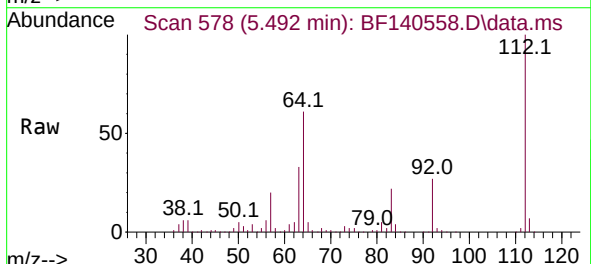
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BNA_F
ClientSampleId :
TP-2-WCRE

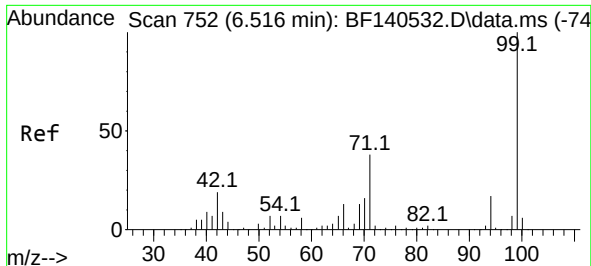
Tgt Ion:152 Resp: 66800
Ion Ratio Lower Upper
152 100
150 158.9 128.5 192.7
115 65.0 50.2 75.4



#5
2-Fluorophenol
Concen: 70.706 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140558.D
Acq: 22 Nov 2024 01:21

Tgt Ion:112 Resp: 276821
Ion Ratio Lower Upper
112 100
64 60.6 49.2 73.8
63 32.9 27.0 40.4

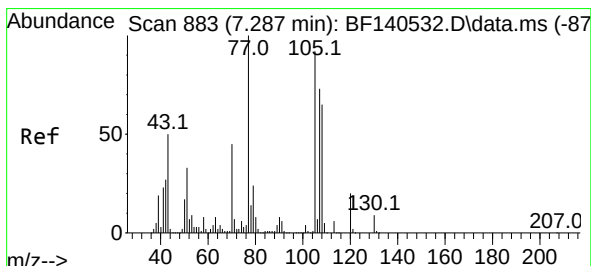
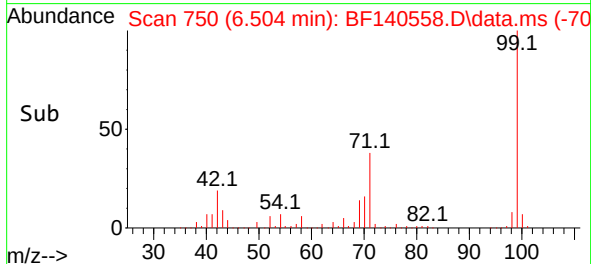
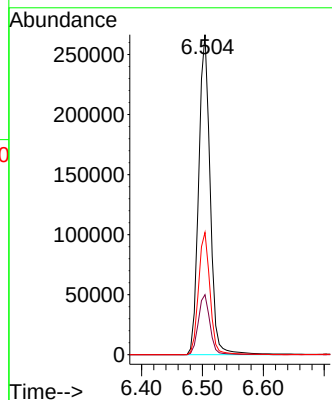
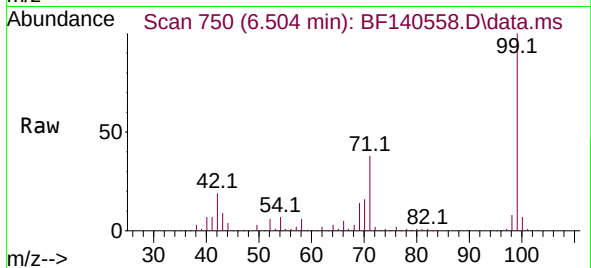




#7
Phenol-d6
Concen: 67.357 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140558.D
Acq: 22 Nov 2024 01:21

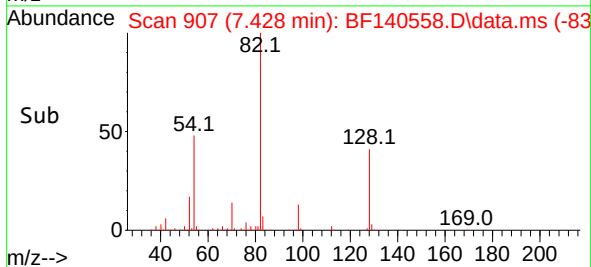
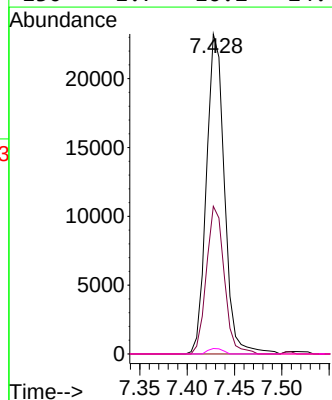
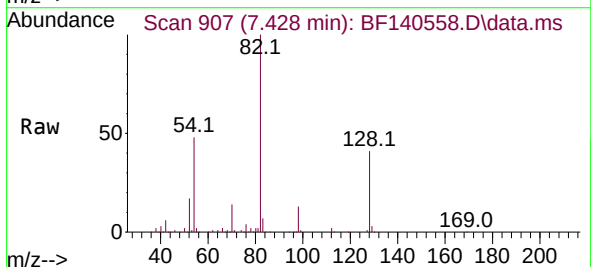
Instrument :
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ClientSampleId :
TP-2-WCRE

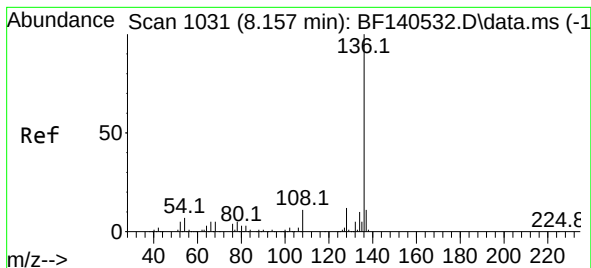
Tgt Ion: 99 Resp: 348630
Ion Ratio Lower Upper
99 100
42 18.8 15.4 23.0
71 38.2 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 10.064 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF140558.D
Acq: 22 Nov 2024 01:21

Tgt Ion: 70 Resp: 30786
Ion Ratio Lower Upper
70 100
42 46.2 47.6 71.4#
101 0.0 7.6 11.4#
130 1.7 16.2 24.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140558.D

Acq: 22 Nov 2024 01:21

Instrument :

BNA_F

ClientSampleId :

TP-2-WCRE

Tgt Ion:136 Resp: 248392

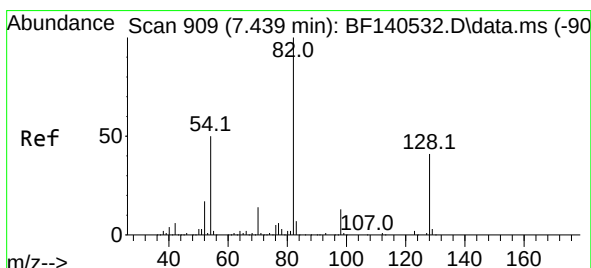
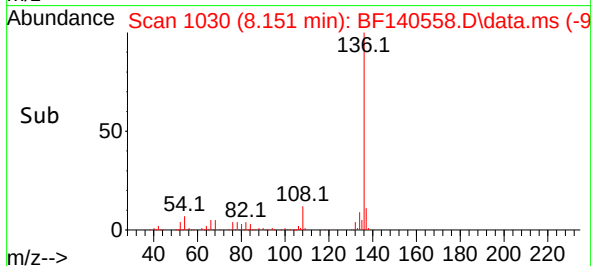
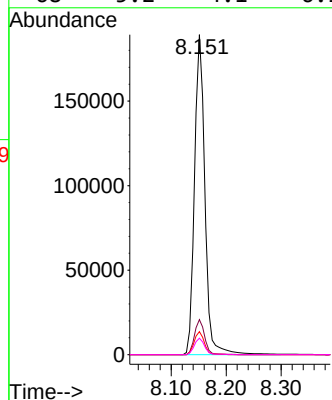
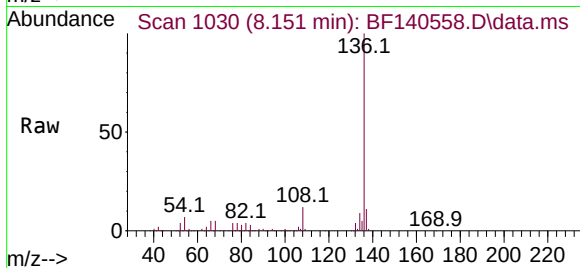
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 7.2 5.8 8.8

68 5.2 4.1 6.1



#23

Nitrobenzene-d5

Concen: 47.458 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.012 min

Lab File: BF140558.D

Acq: 22 Nov 2024 01:21

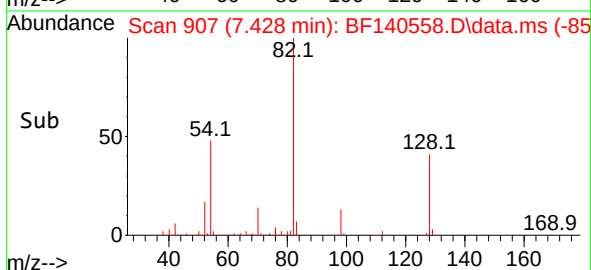
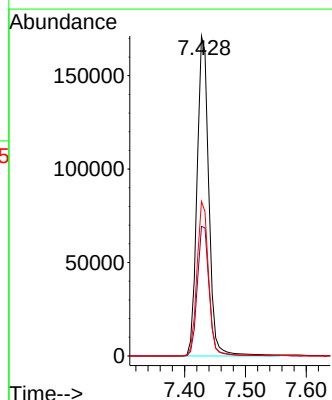
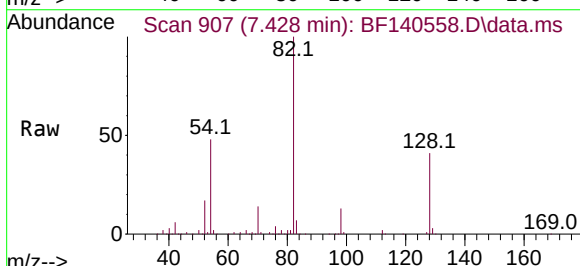
Tgt Ion: 82 Resp: 230460

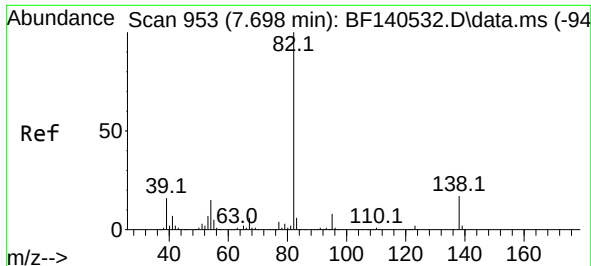
Ion Ratio Lower Upper

82 100

128 40.5 33.0 49.4

54 48.3 39.5 59.3

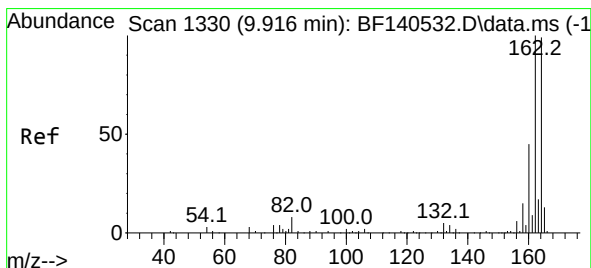
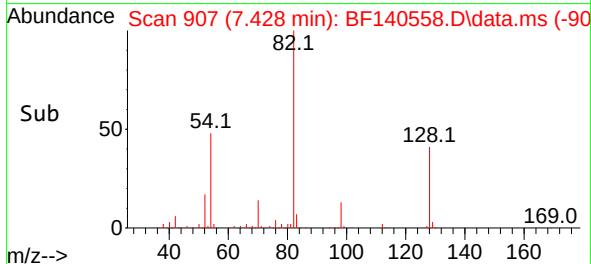
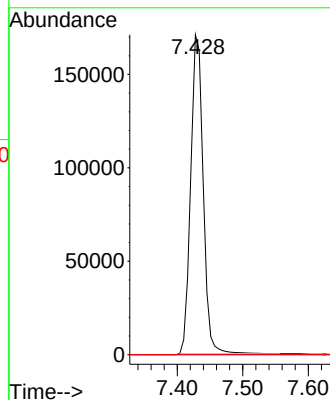
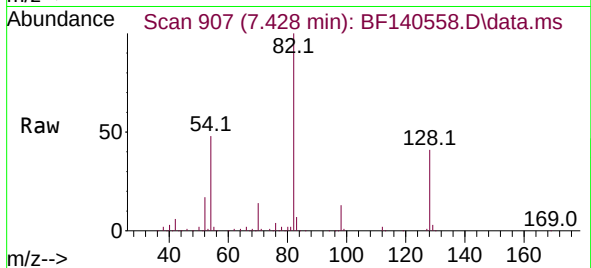




#25
Isophorone
Concen: 27.872 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF140558.D
Acq: 22 Nov 2024 01:21

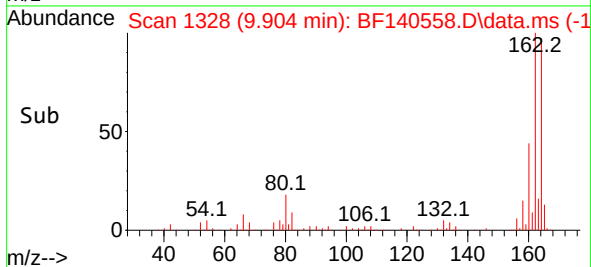
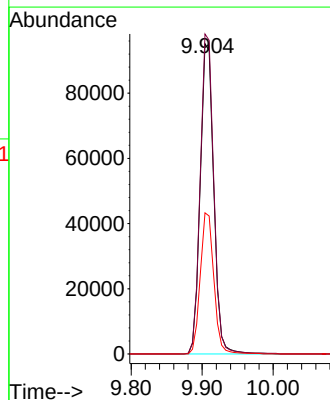
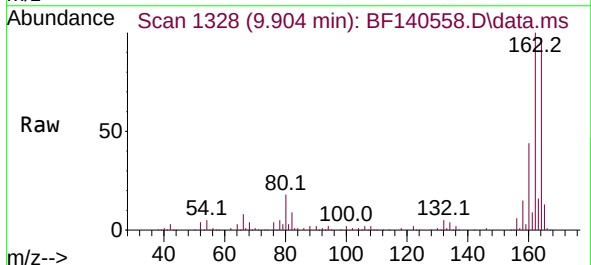
Instrument :
BNA_F
ClientSampleId :
TP-2-WCRE

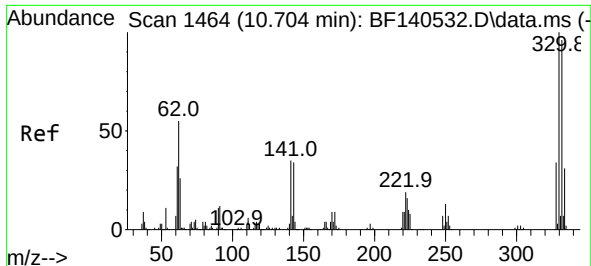
Tgt Ion: 82 Resp: 225752
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140558.D
Acq: 22 Nov 2024 01:21

Tgt Ion: 164 Resp: 126089
Ion Ratio Lower Upper
164 100
162 103.2 80.6 120.8
160 45.5 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 56.513 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140558.D

Acq: 22 Nov 2024 01:21

Instrument :

BNA_F

ClientSampleId :

TP-2-WCRE

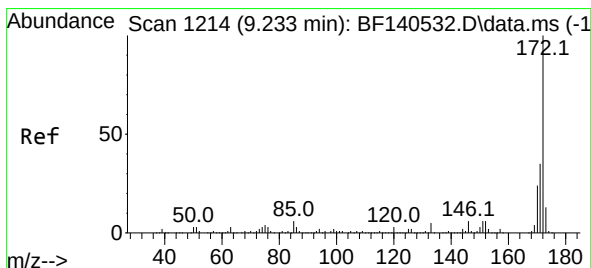
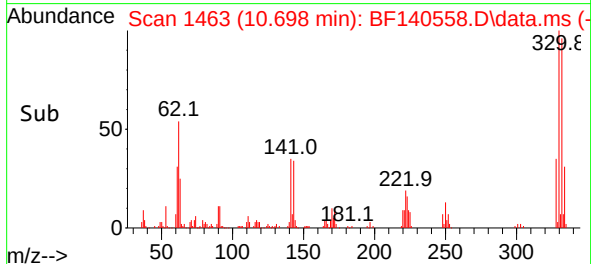
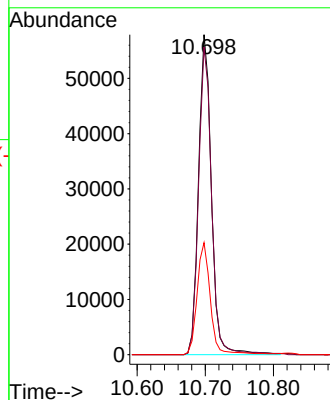
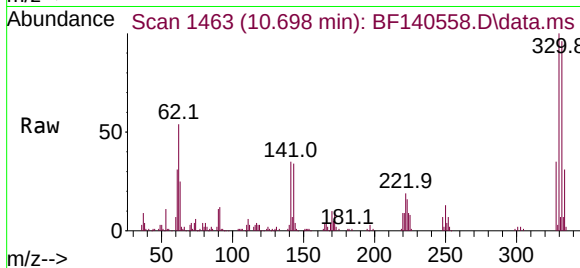
Tgt Ion:330 Resp: 76209

Ion Ratio Lower Upper

330 100

332 97.2 76.9 115.3

141 36.2 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 51.478 ng

RT: 9.227 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140558.D

Acq: 22 Nov 2024 01:21

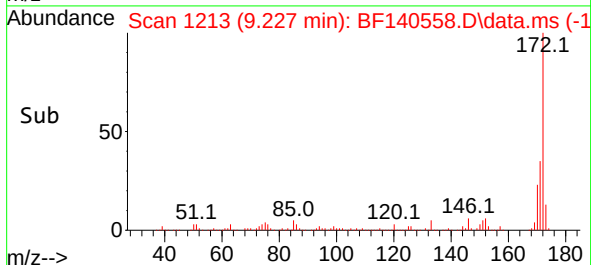
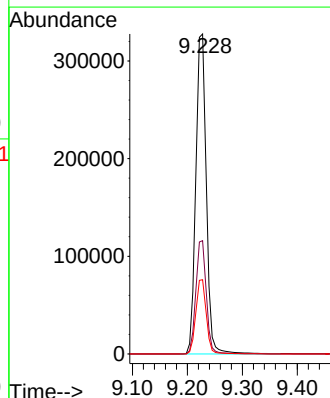
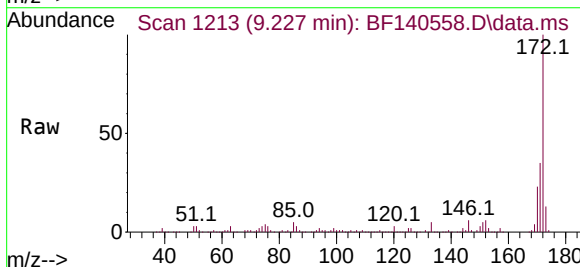
Tgt Ion:172 Resp: 435645

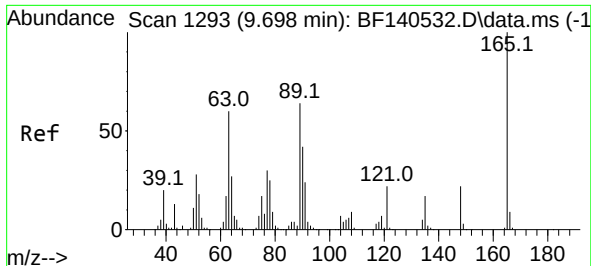
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.2 19.0 28.6

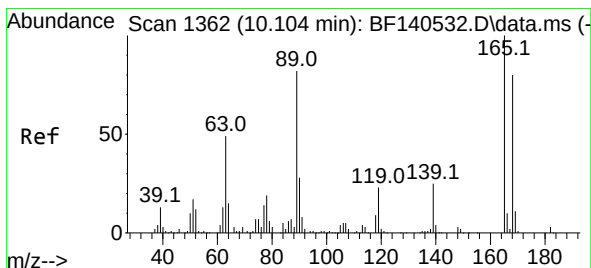
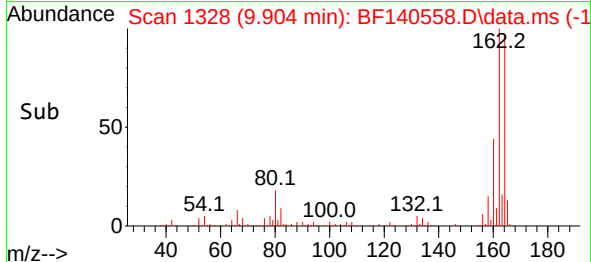
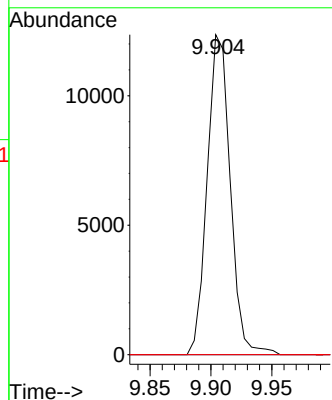
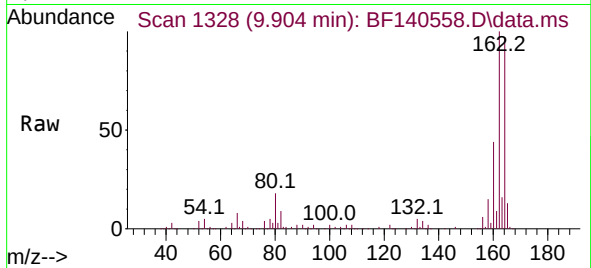




#51
2,6-Dinitrotoluene
Concen: 8.655 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF140558.D
Acq: 22 Nov 2024 01:21

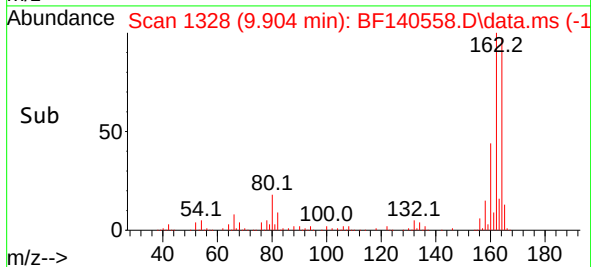
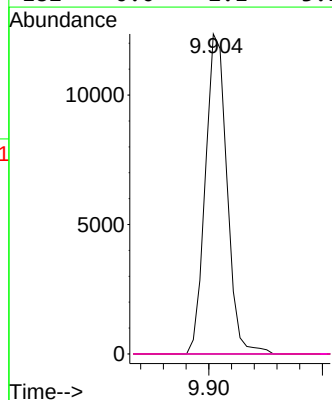
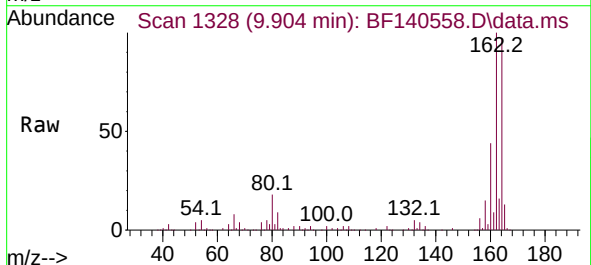
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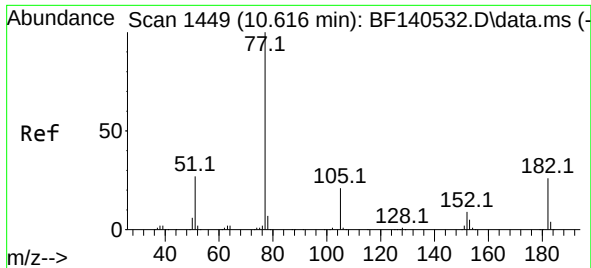
Tgt Ion:165 Resp: 16301
Ion Ratio Lower Upper
165 100
63 0.0 49.9 74.9#
89 0.0 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 6.513 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF140558.D
Acq: 22 Nov 2024 01:21

Tgt Ion:165 Resp: 16301
Ion Ratio Lower Upper
165 100
63 0.0 41.7 62.5#
89 0.0 65.8 98.8#
182 0.0 2.1 3.1#

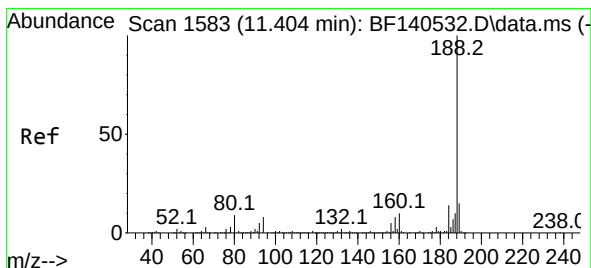
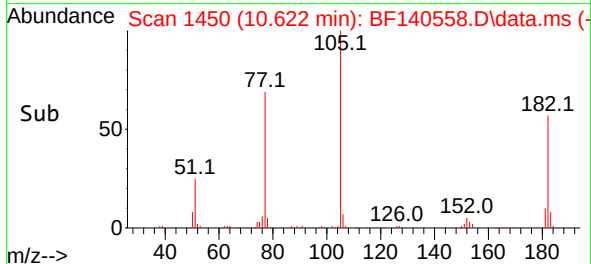
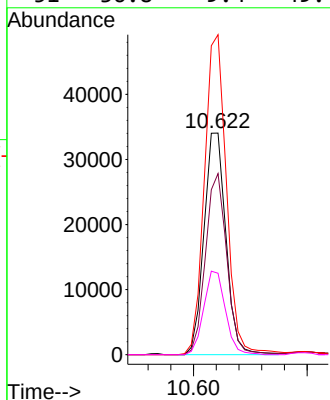
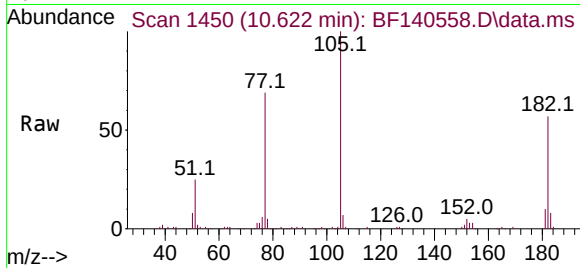




#63
Azobenzene
Concen: 5.722 ng
RT: 10.622 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF140558.D
Acq: 22 Nov 2024 01:21

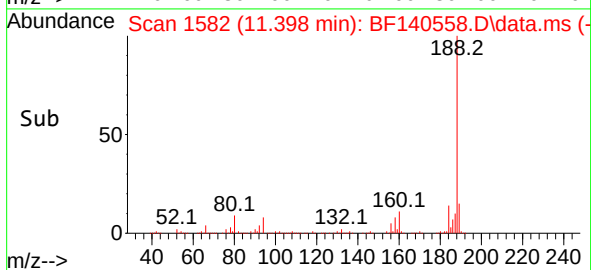
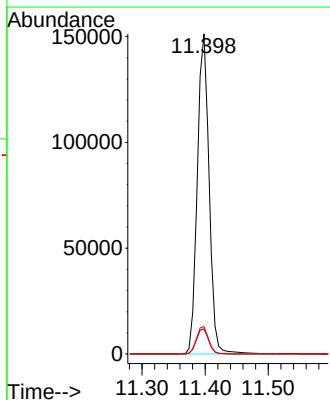
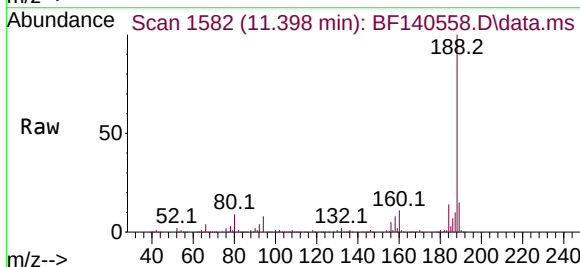
Instrument :
BNA_F
ClientSampleId :
TP-2-WCRE

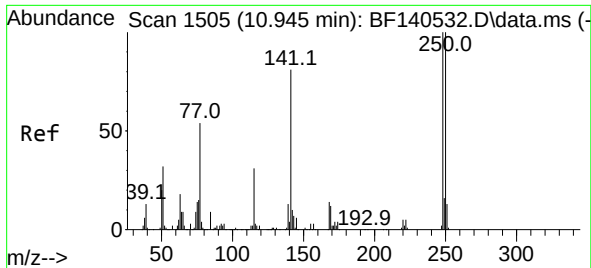
Tgt Ion: 77 Resp: 45715
Ion Ratio Lower Upper
77 100
182 81.8 5.3 45.3#
105 144.4 0.3 40.3#
51 36.8 9.4 49.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140558.D
Acq: 22 Nov 2024 01:21

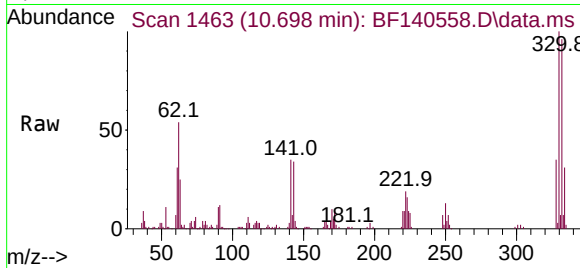
Tgt Ion: 188 Resp: 195894
Ion Ratio Lower Upper
188 100
94 7.9 6.4 9.6
80 8.6 6.9 10.3



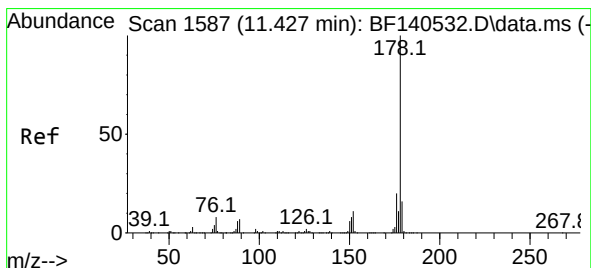
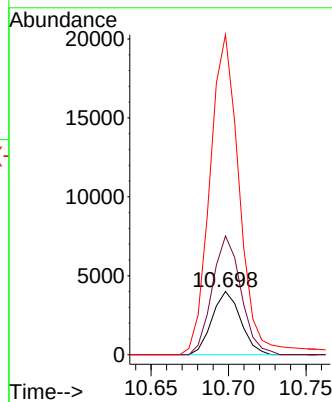
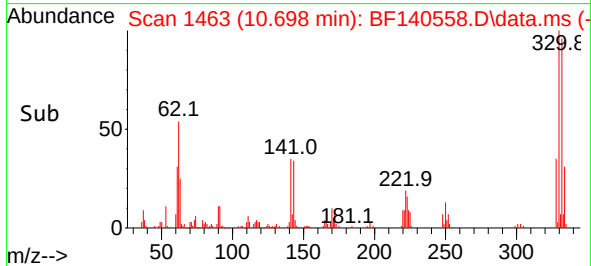


#67
4-Bromophenyl-phenylether
Concen: 2.551 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF140558.D
Acq: 22 Nov 2024 01:21

Instrument :
BNA_F
ClientSampleId :
TP-2-WCRE

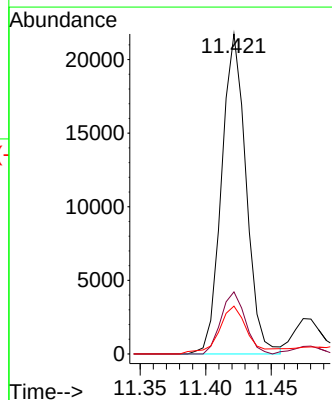
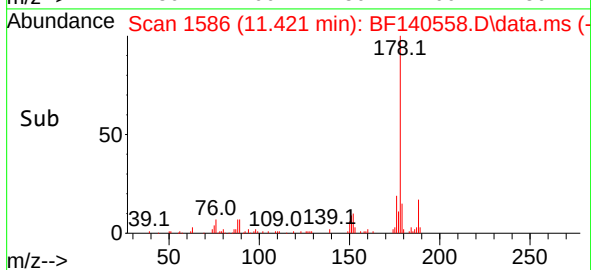
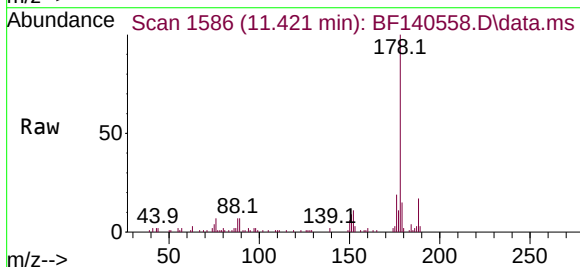


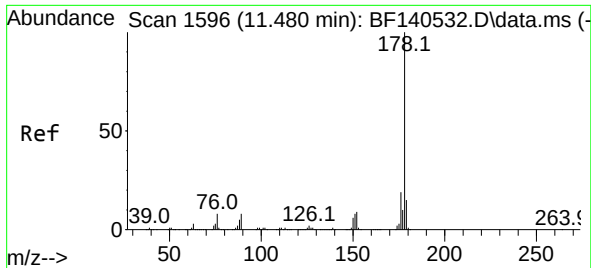
Tgt Ion:248 Resp: 5147
Ion Ratio Lower Upper
248 100
250 187.8 79.8 119.8#
141 506.0 64.7 97.1#



#71
Phenanthrene
Concen: 3.002 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140558.D
Acq: 22 Nov 2024 01:21

Tgt Ion:178 Resp: 28271
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 15.0 12.4 18.6

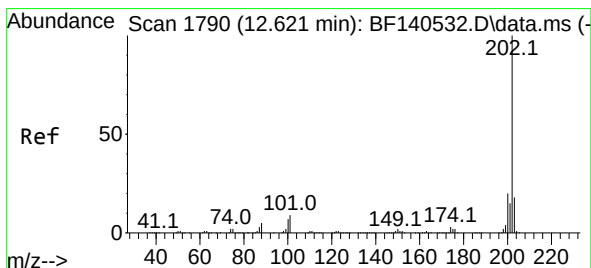
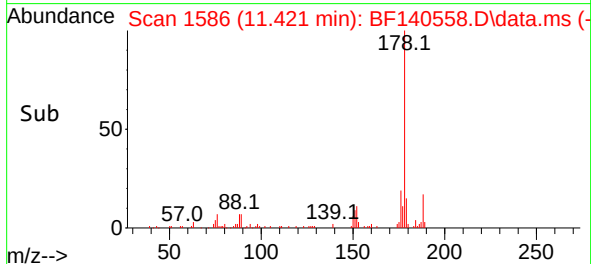
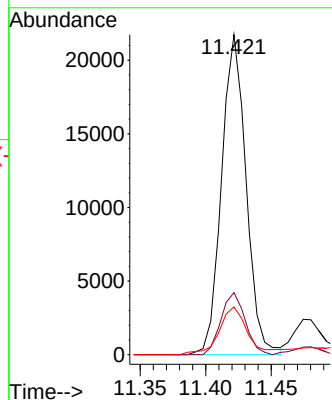
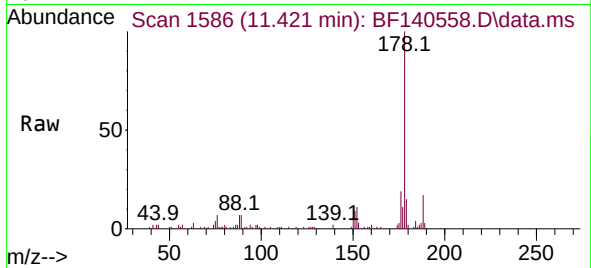




#72
 Anthracene
 Concen: 3.069 ng
 RT: 11.421 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF140558.D
 Acq: 22 Nov 2024 01:21

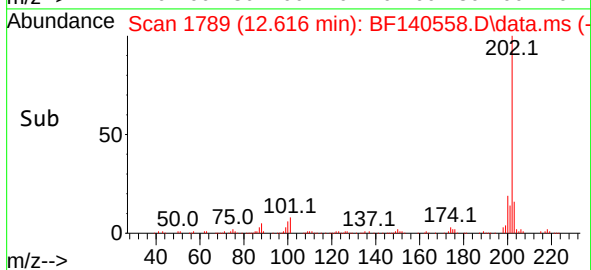
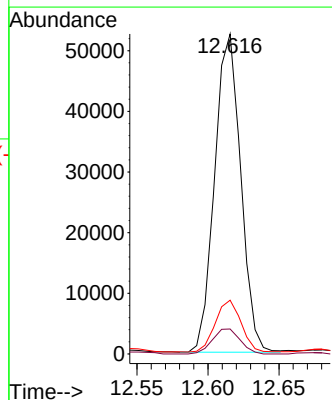
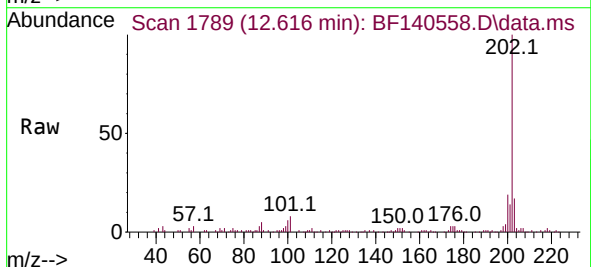
Instrument :
 BNA_F
 ClientSampleId :
 TP-2-WCRE

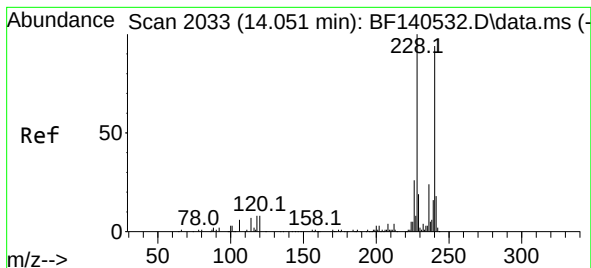
Tgt Ion:178 Resp: 28271
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.0 22.4
 179 15.0 12.2 18.4



#75
 Fluoranthene
 Concen: 6.553 ng
 RT: 12.616 min Scan# 1789
 Delta R.T. -0.006 min
 Lab File: BF140558.D
 Acq: 22 Nov 2024 01:21

Tgt Ion:202 Resp: 66992
 Ion Ratio Lower Upper
 202 100
 101 7.8 0.0 28.9
 203 16.8 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: BF140558.D

Acq: 22 Nov 2024 01:21

Instrument :

BNA_F

ClientSampleId :

TP-2-WCRE

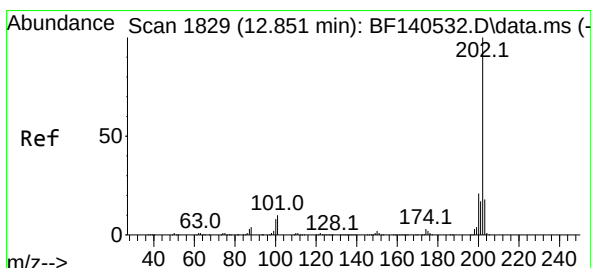
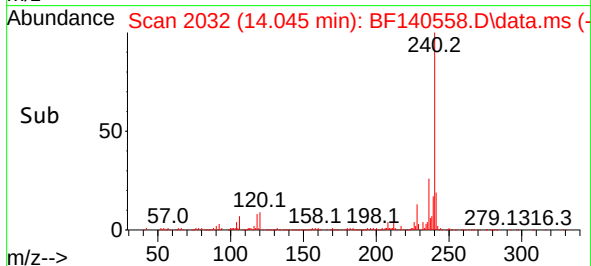
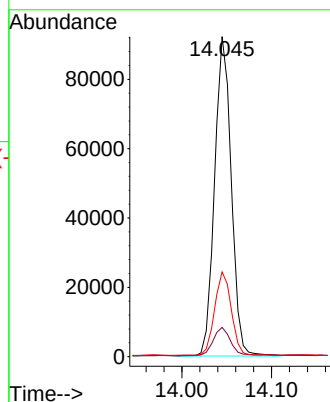
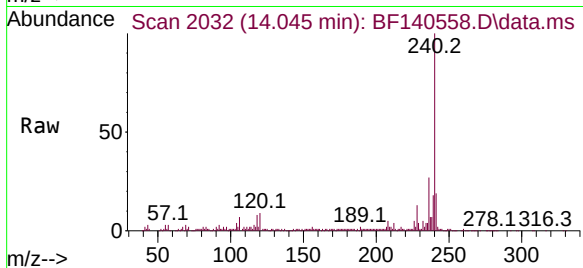
Tgt Ion:240 Resp: 118681

Ion Ratio Lower Upper

240 100

120 9.1 7.3 10.9

236 26.5 20.6 31.0



#78

Pyrene

Concen: 6.362 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF140558.D

Acq: 22 Nov 2024 01:21

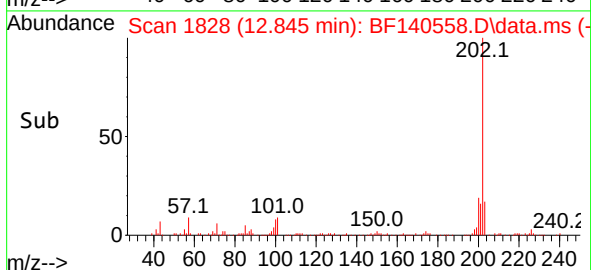
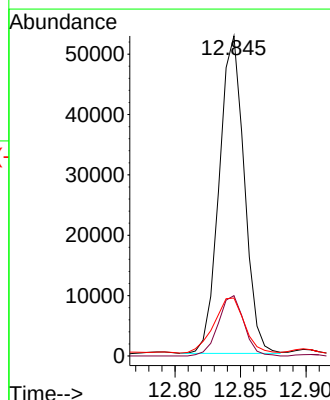
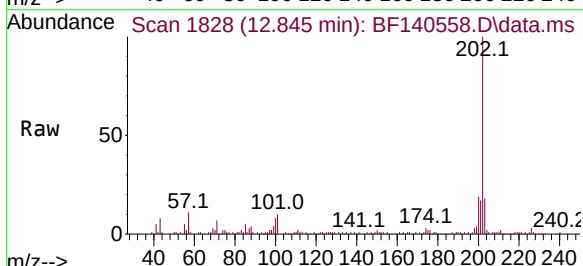
Tgt Ion:202 Resp: 69810

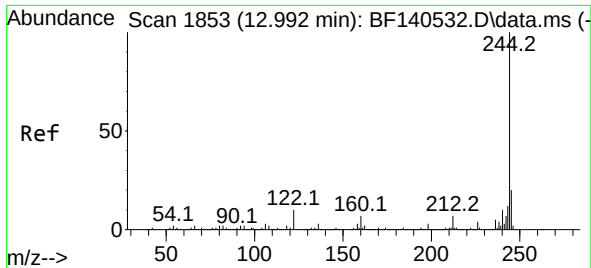
Ion Ratio Lower Upper

202 100

200 18.9 16.5 24.7

203 18.1 14.2 21.4

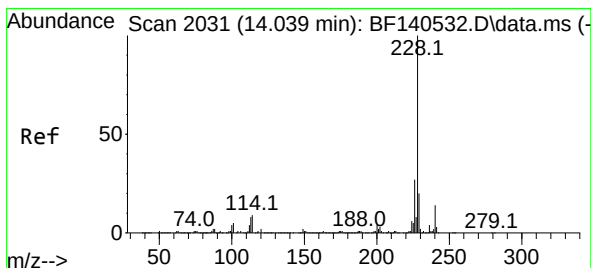
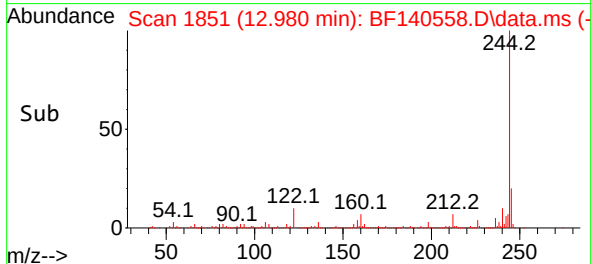
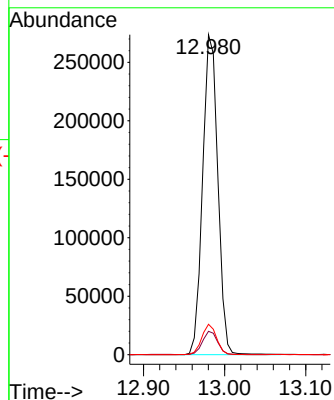
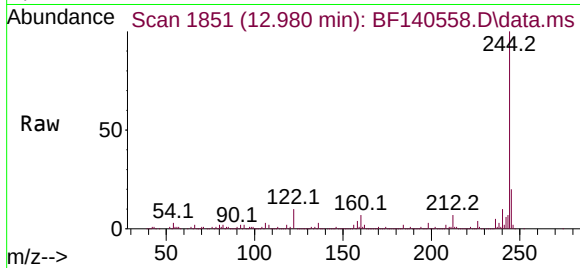




#79
 Terphenyl-d14
 Concen: 46.587 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.012 min
 Lab File: BF140558.D
 Acq: 22 Nov 2024 01:21

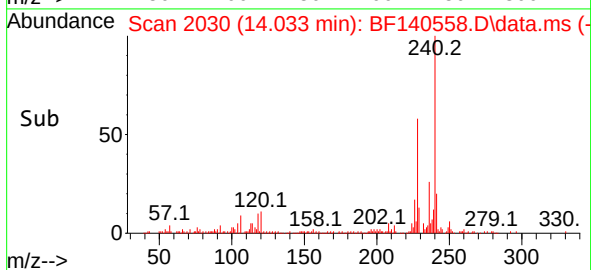
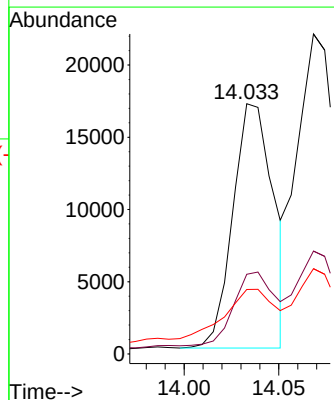
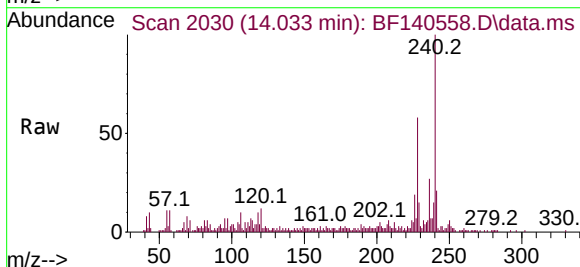
Instrument :
 BNA_F
 ClientSampleId :
 TP-2-WCRE

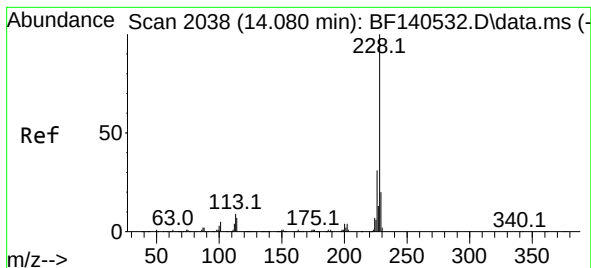
Tgt Ion:244 Resp: 355074
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 9.5 8.0 12.0



#81
 Benzo(a)anthracene
 Concen: 3.211 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF140558.D
 Acq: 22 Nov 2024 01:21

Tgt Ion:228 Resp: 25224
 Ion Ratio Lower Upper
 228 100
 226 31.8 21.8 32.8
 229 25.8 15.8 23.6#





#83

Chrysene

Concen: 4.402 ng

RT: 14.068 min Scan# 2038

Delta R.T. -0.012 min

Lab File: BF140558.D

Acq: 22 Nov 2024 01:21

Instrument :

BNA_F

ClientSampleId :

TP-2-WCRE

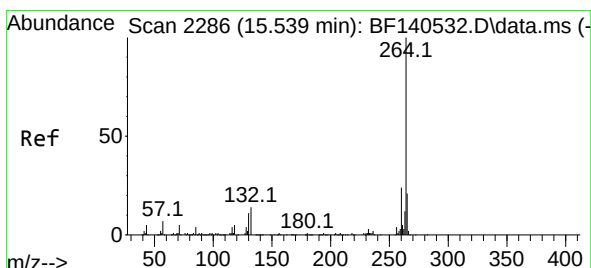
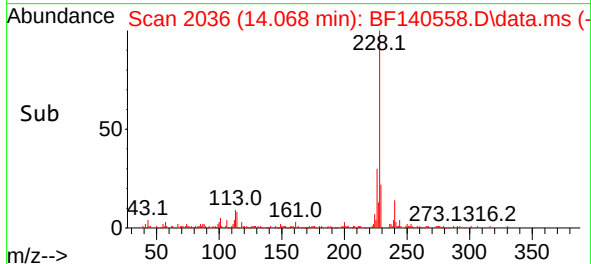
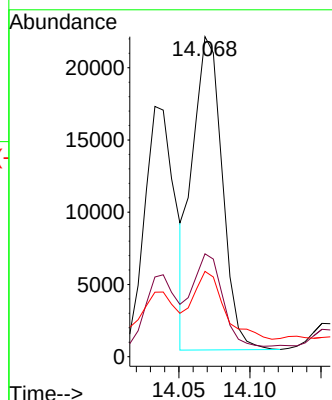
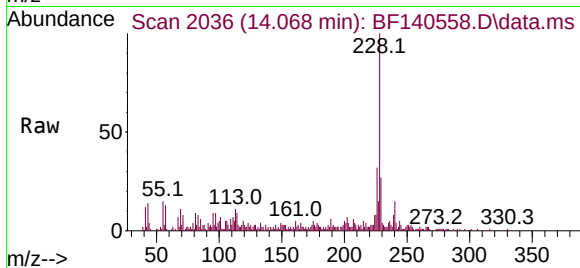
Tgt Ion:228 Resp: 31625

Ion Ratio Lower Upper

228 100

226 32.1 24.4 36.6

229 26.7 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: BF140558.D

Acq: 22 Nov 2024 01:21

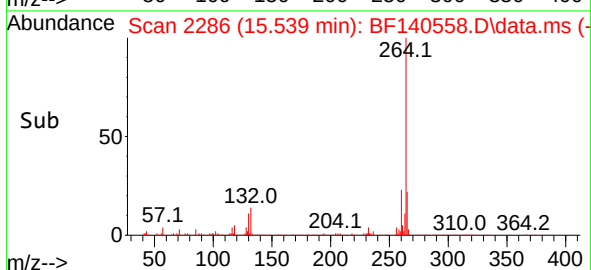
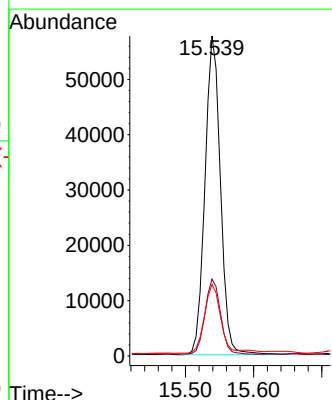
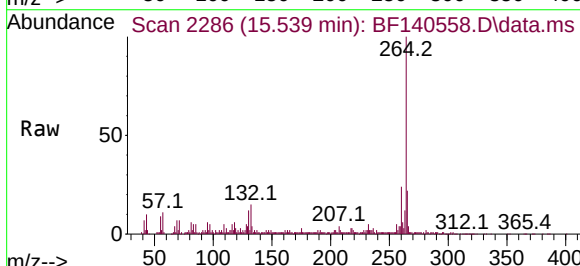
Tgt Ion:264 Resp: 91198

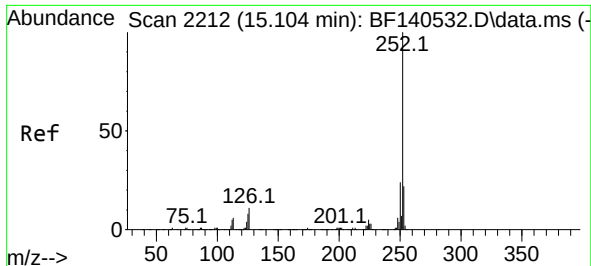
Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 22.3 16.6 25.0

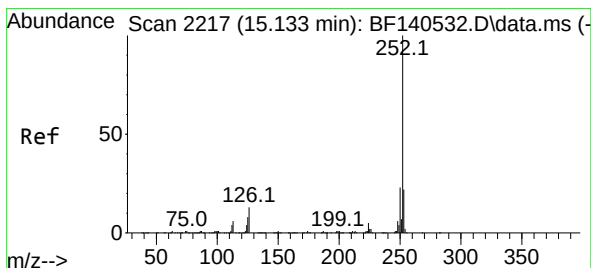
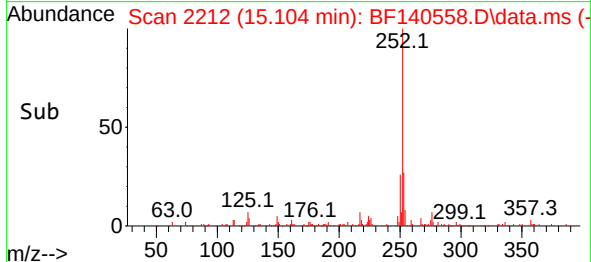
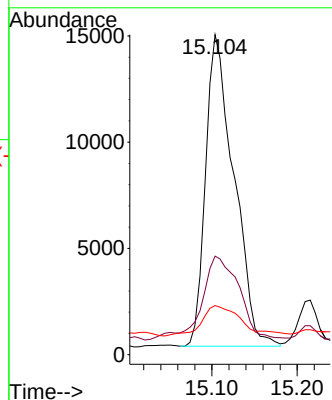
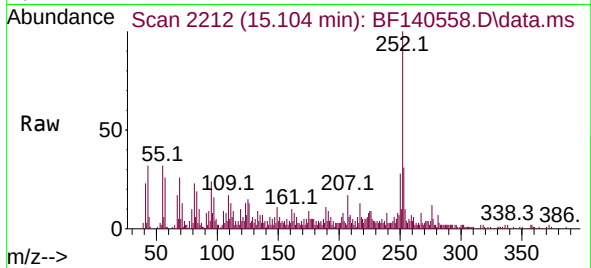




#88
Benzo(b)fluoranthene
Concen: 5.902 ng
RT: 15.104 min Scan# 2212
Delta R.T. -0.000 min
Lab File: BF140558.D
Acq: 22 Nov 2024 01:21

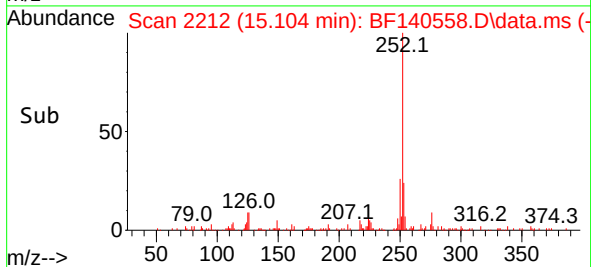
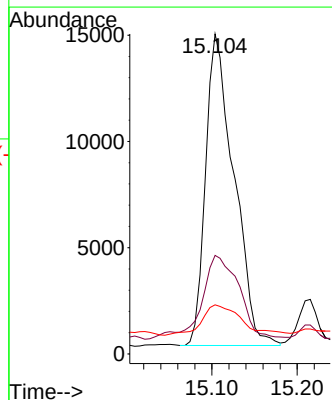
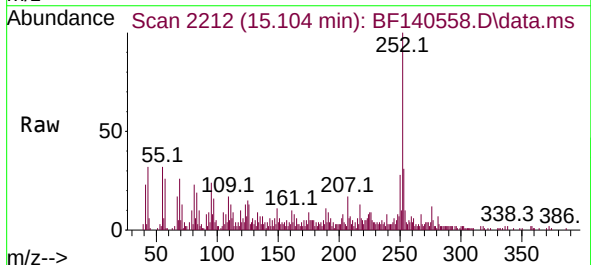
Instrument :
BNA_F
ClientSampleId :
TP-2-WCRE

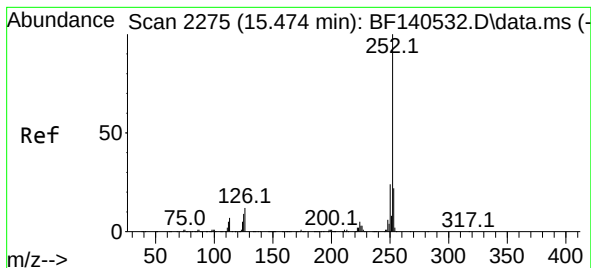
Tgt Ion:252 Resp: 33809
Ion Ratio Lower Upper
252 100
253 30.8 17.2 25.8#
125 15.3 6.7 10.1#



#89
Benzo(k)fluoranthene
Concen: 6.745 ng
RT: 15.104 min Scan# 2212
Delta R.T. -0.030 min
Lab File: BF140558.D
Acq: 22 Nov 2024 01:21

Tgt Ion:252 Resp: 33809
Ion Ratio Lower Upper
252 100
253 30.8 17.5 26.3#
125 15.3 6.5 9.7#





#90

Benzo(a)pyrene

Concen: 3.505 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140558.D

Acq: 22 Nov 2024 01:21

Instrument :

BNA_F

ClientSampleId :

TP-2-WCRE

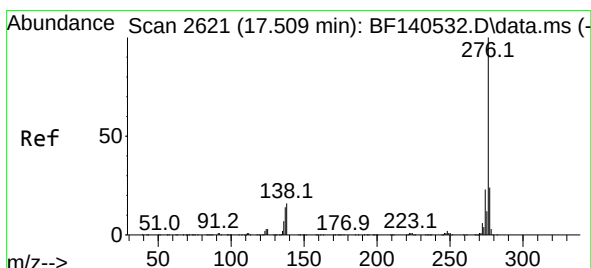
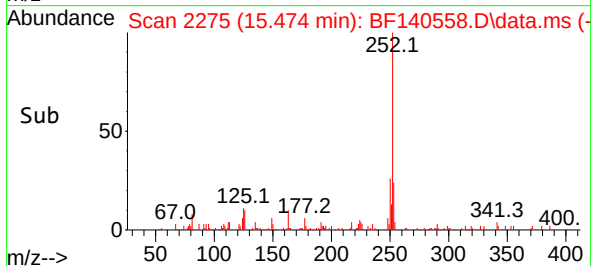
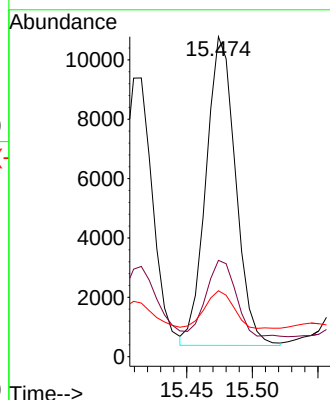
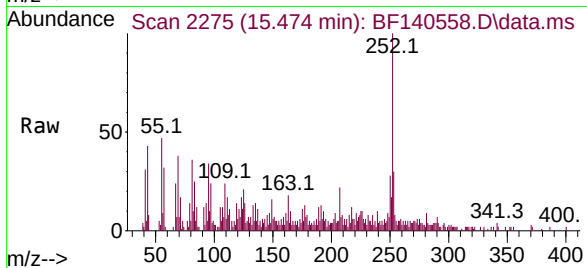
Tgt Ion:252 Resp: 16326

Ion Ratio Lower Upper

252 100

253 30.1 17.3 25.9#

125 20.6 7.0 10.6#



#92

Benzo(g,h,i)perylene

Concen: 2.253 ng

RT: 17.503 min Scan# 2620

Delta R.T. -0.006 min

Lab File: BF140558.D

Acq: 22 Nov 2024 01:21

Tgt Ion:276 Resp: 11192

Ion Ratio Lower Upper

276 100

277 29.8 18.9 28.3#

138 22.2 13.2 19.8#

