

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
 Data File : BF140581.D
 Acq On : 22 Nov 2024 16:50
 Operator : RC/JU
 Sample : P4948-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 337

Quant Time: Nov 22 17:43:23 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)

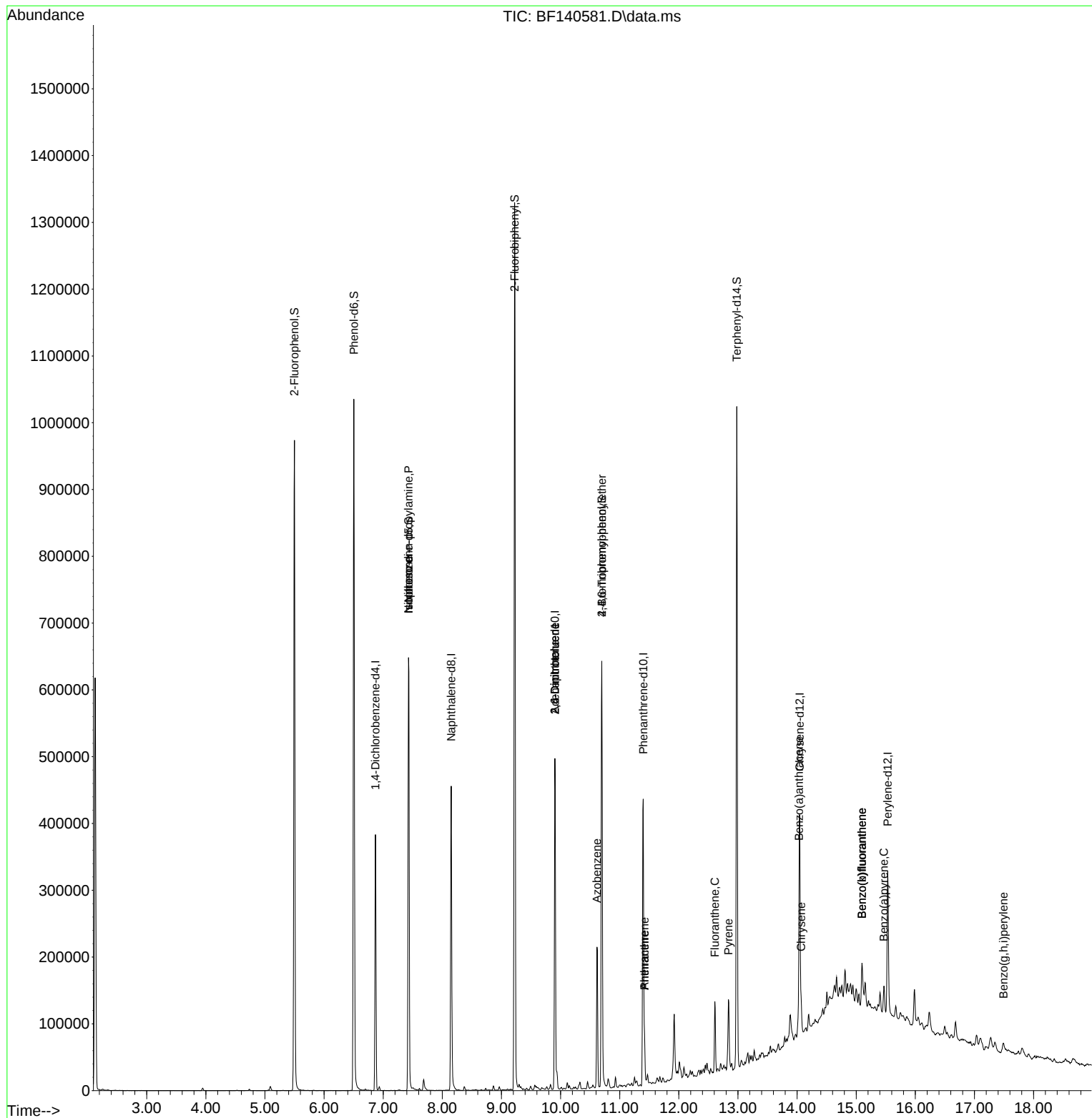
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	79664	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	289178	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	149117	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	236951	20.000	ng	0.00
76) Chrysene-d12	14.045	240	147337	20.000	ng	0.00
86) Perylene-d12	15.533	264	119356	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	367791	78.772	ng	0.00
7) Phenol-d6	6.504	99	473275	76.673	ng	-0.01
23) Nitrobenzene-d5	7.428	82	306460	54.207	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	110573	69.333	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	591994	59.151	ng	-0.01
79) Terphenyl-d14	12.980	244	467793	49.439	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	40845	11.197	ng	# 77
25) Isophorone	7.428	82	302227	32.051	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	19691	8.841	ng	# 20
57) 2,4-Dinitrotoluene	9.904	165	19691	6.652	ng	# 18
63) Azobenzene	10.616	77	57180	6.051	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	7155	2.932	ng	# 1
71) Phenanthrene	11.422	178	37082	3.256	ng	98
72) Anthracene	11.422	178	37082	3.328	ng	99
75) Fluoranthene	12.610	202	60828	4.919	ng	99
78) Pyrene	12.839	202	59124	4.340	ng	98
81) Benzo(a)anthracene	14.033	228	33106	3.394	ng	97
83) Chrysene	14.068	228	27300	3.061	ng	95
88) Benzo(b)fluoranthene	15.098	252	43232	5.767	ng	# 91
89) Benzo(k)fluoranthene	15.098	252	43232	6.590	ng	# 92
90) Benzo(a)pyrene	15.468	252	21378	3.507	ng	# 90
92) Benzo(g,h,i)perylene	17.492	276	13376	2.058	ng	94

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

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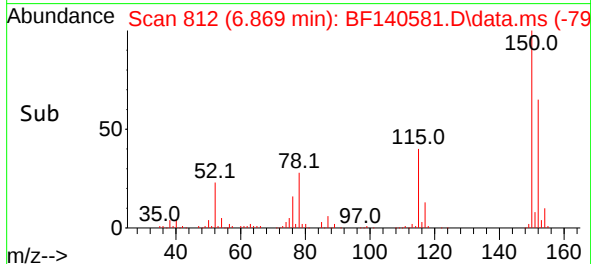
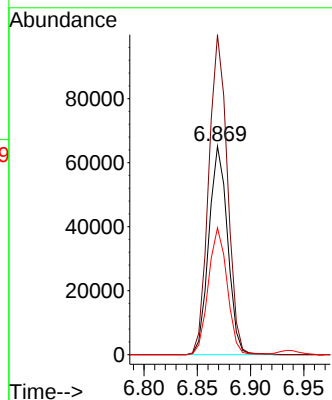
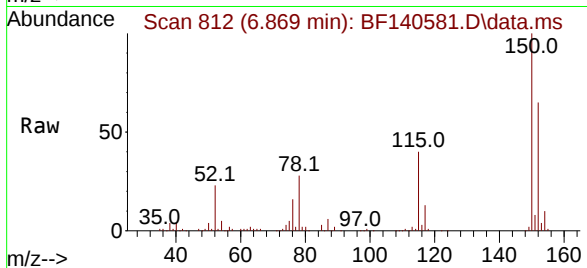




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140581.D
Acq: 22 Nov 2024 16:50

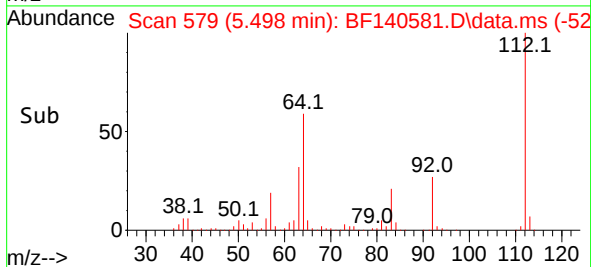
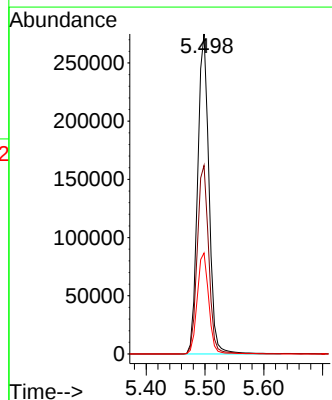
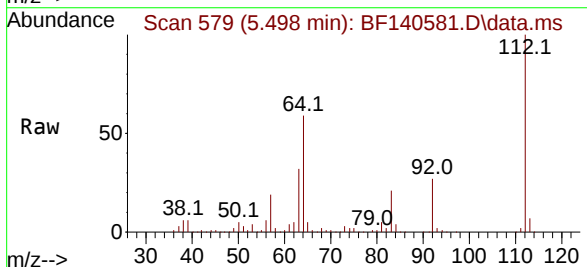
Instrument :
BNA_F
ClientSampleId :
337

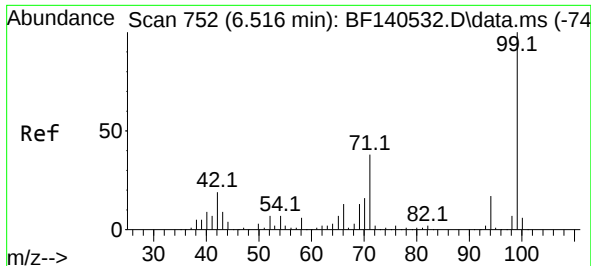
Tgt Ion:152 Resp: 79664
Ion Ratio Lower Upper
152 100
150 153.5 128.5 192.7
115 60.9 50.2 75.4



#5
2-Fluorophenol
Concen: 78.772 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140581.D
Acq: 22 Nov 2024 16:50

Tgt Ion:112 Resp: 367791
Ion Ratio Lower Upper
112 100
64 58.9 49.2 73.8
63 31.5 27.0 40.4

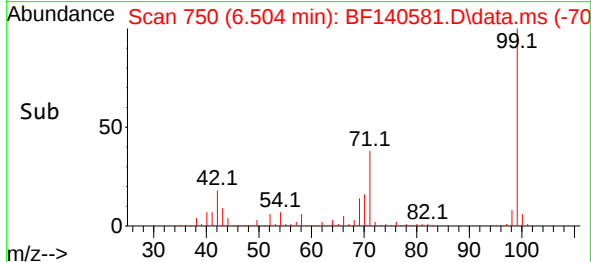
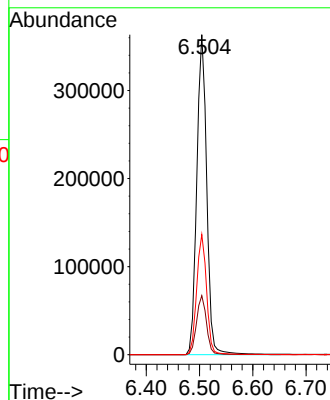
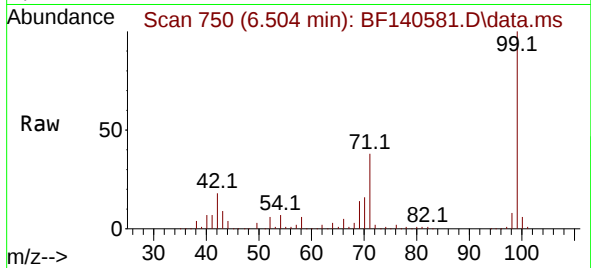




#7
Phenol-d6
Concen: 76.673 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140581.D
Acq: 22 Nov 2024 16:50

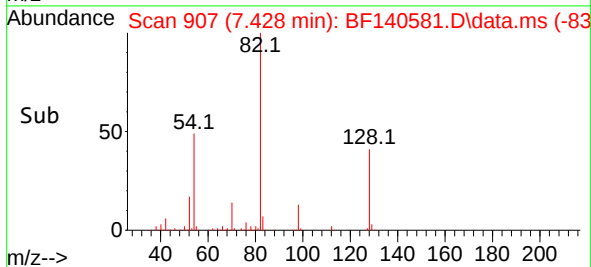
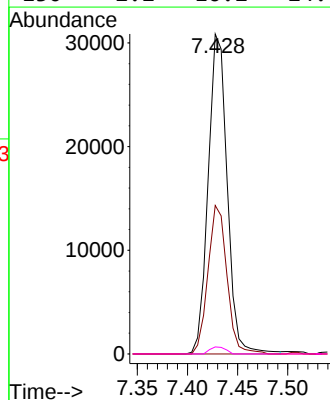
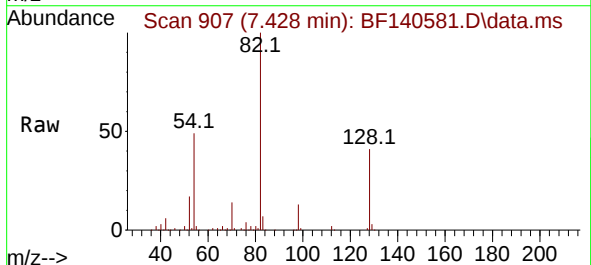
Instrument :
BNA_F
ClientSampleId :
337

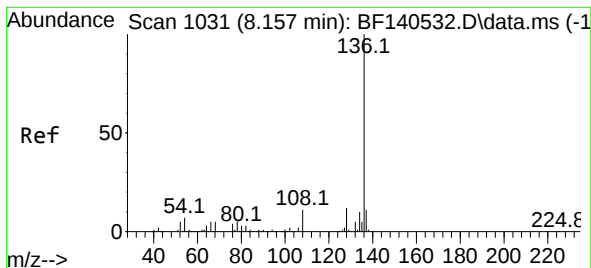
Tgt Ion: 99 Resp: 473275
Ion Ratio Lower Upper
99 100
42 18.5 15.4 23.0
71 37.5 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.197 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF140581.D
Acq: 22 Nov 2024 16:50

Tgt Ion: 70 Resp: 40845
Ion Ratio Lower Upper
70 100
42 46.4 47.6 71.4#
101 0.0 7.6 11.4#
130 2.2 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: BF140581.D

Acq: 22 Nov 2024 16:50

Instrument :

BNA_F

ClientSampleId :

337

Tgt Ion:136 Resp: 289178

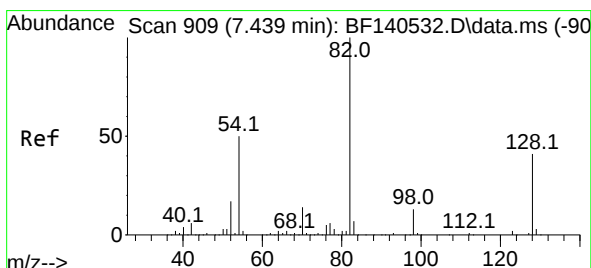
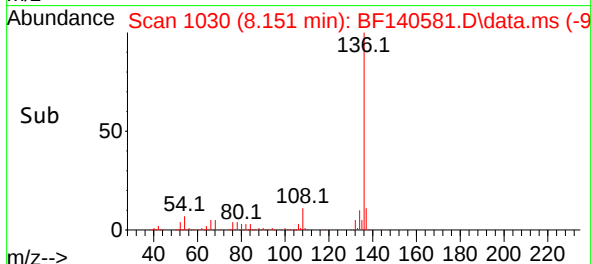
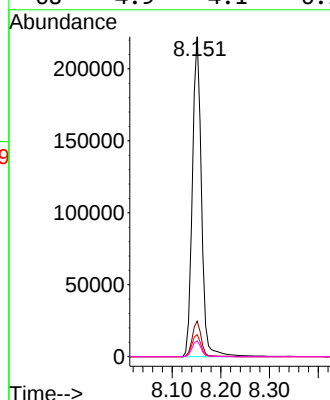
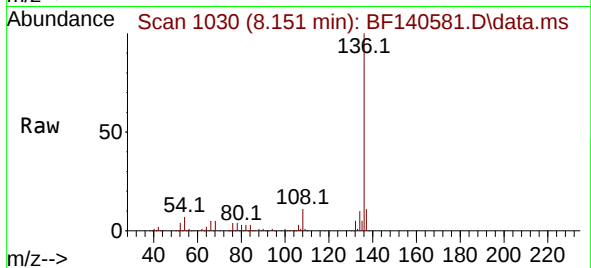
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 6.9 5.8 8.8

68 4.9 4.1 6.1



#23

Nitrobenzene-d5

Concen: 54.207 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.012 min

Lab File: BF140581.D

Acq: 22 Nov 2024 16:50

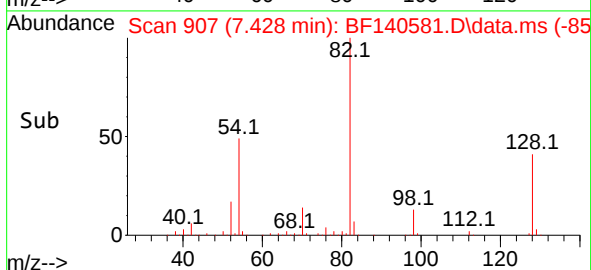
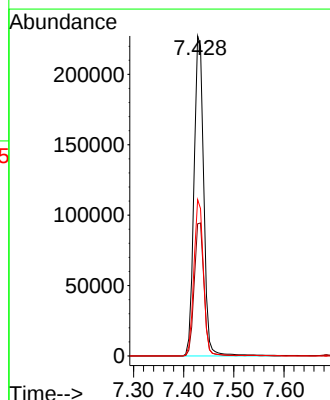
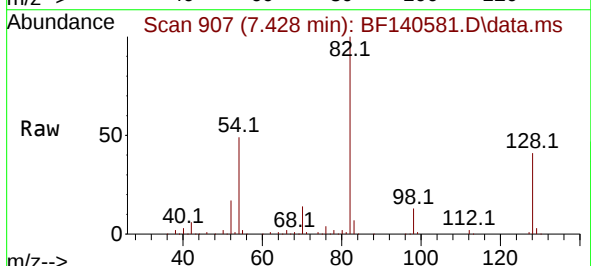
Tgt Ion: 82 Resp: 306460

Ion Ratio Lower Upper

82 100

128 41.3 33.0 49.4

54 48.9 39.5 59.3

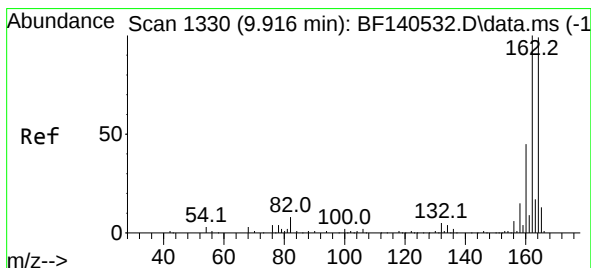
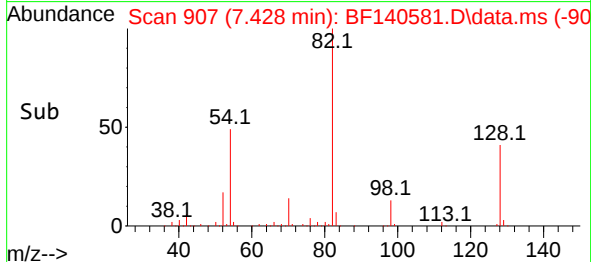
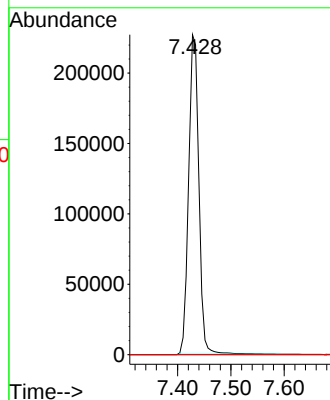
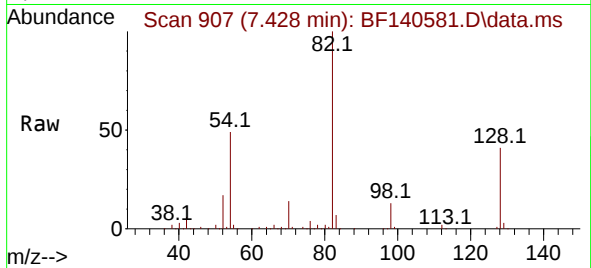




#25
Isophorone
Concen: 32.051 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF140581.D
Acq: 22 Nov 2024 16:50

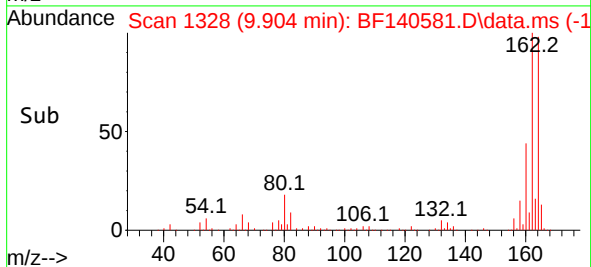
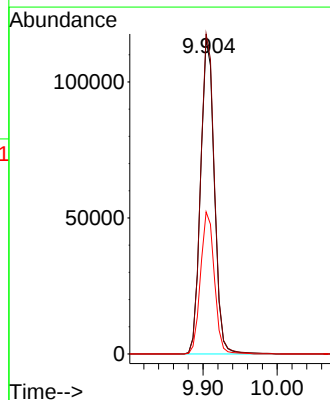
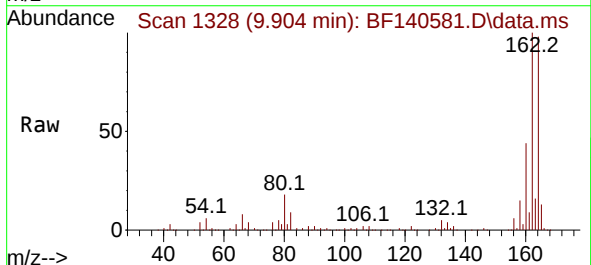
Instrument :
BNA_F
ClientSampleId :
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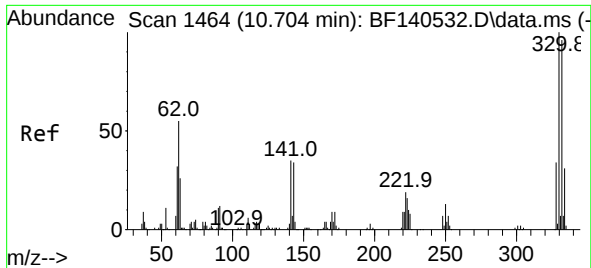
Tgt Ion: 82 Resp: 302227
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140581.D
Acq: 22 Nov 2024 16:50

Tgt Ion:164 Resp: 149117
Ion Ratio Lower Upper
164 100
162 101.7 80.6 120.8
160 45.2 36.2 54.4

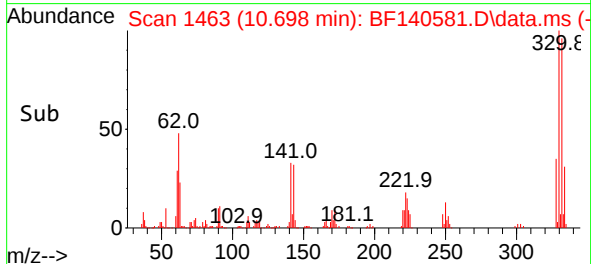
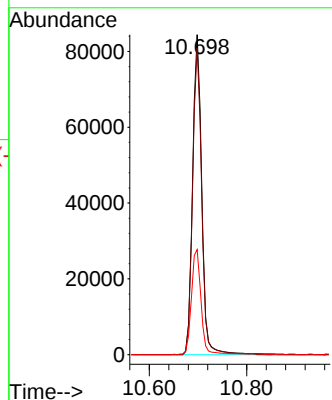
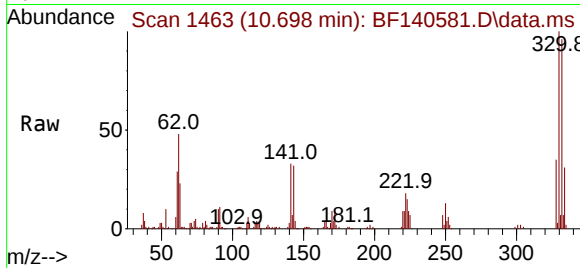




#42
2,4,6-Tribromophenol
Concen: 69.333 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140581.D
Acq: 22 Nov 2024 16:50

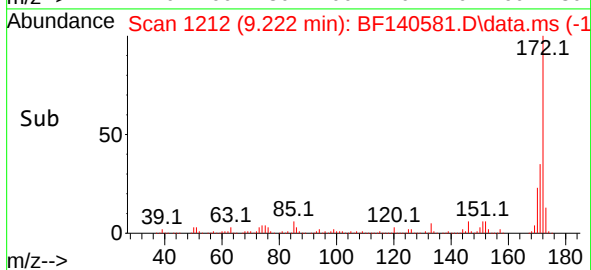
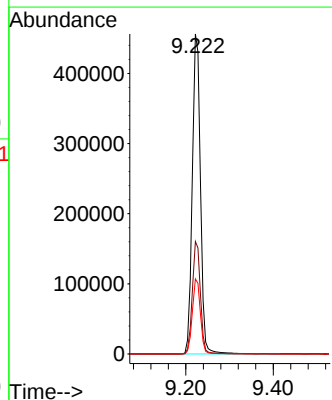
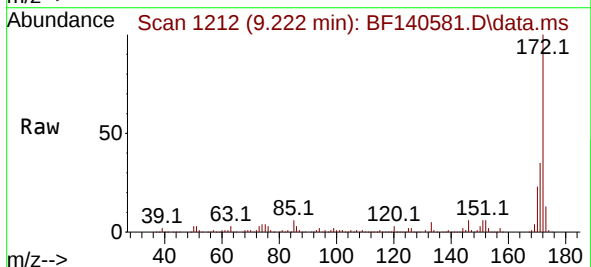
Instrument :
BNA_F
ClientSampleId :
337

Tgt Ion: 330 Resp: 110573
Ion Ratio Lower Upper
330 100
332 95.0 76.9 115.3
141 34.6 26.7 40.1



#45
2-Fluorobiphenyl
Concen: 59.151 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140581.D
Acq: 22 Nov 2024 16:50

Tgt Ion: 172 Resp: 591994
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.5 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.841 ng

RT: 9.904 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF140581.D

Acq: 22 Nov 2024 16:50

Instrument :

BNA_F

ClientSampleId :

337

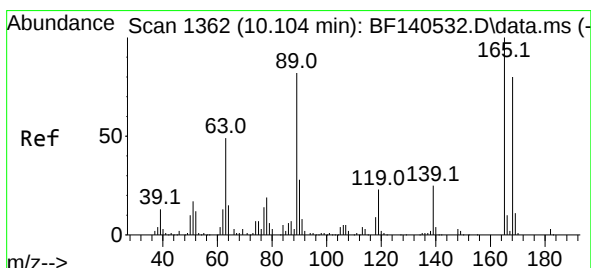
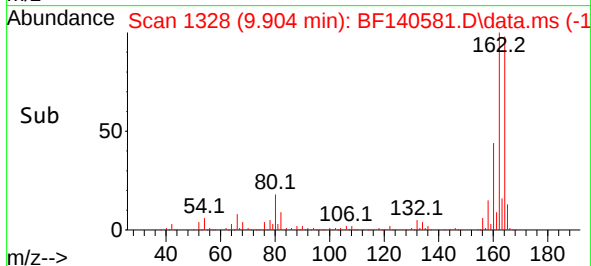
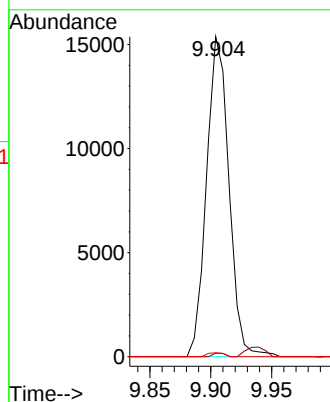
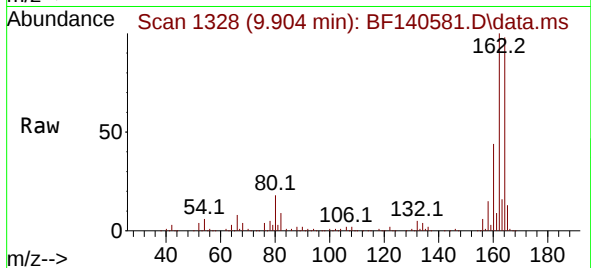
Tgt Ion:165 Resp: 19691

Ion Ratio Lower Upper

165 100

63 1.1 49.9 74.9#

89 1.2 50.9 76.3#



#57

2,4-Dinitrotoluene

Concen: 6.652 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.200 min

Lab File: BF140581.D

Acq: 22 Nov 2024 16:50

Tgt Ion:165 Resp: 19691

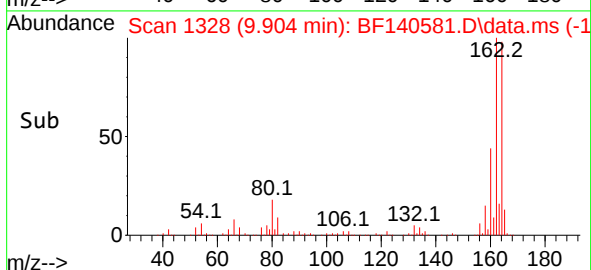
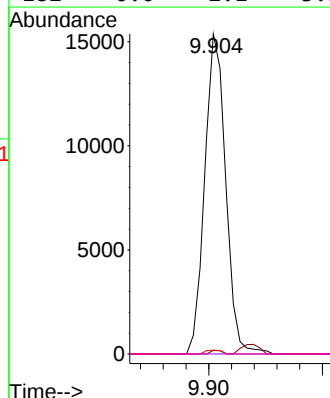
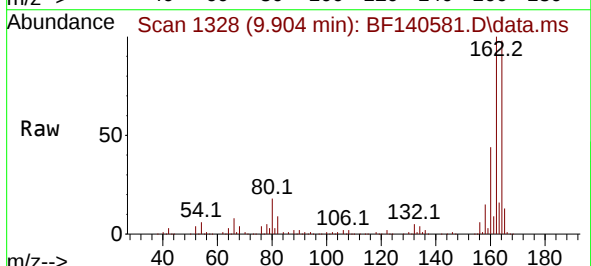
Ion Ratio Lower Upper

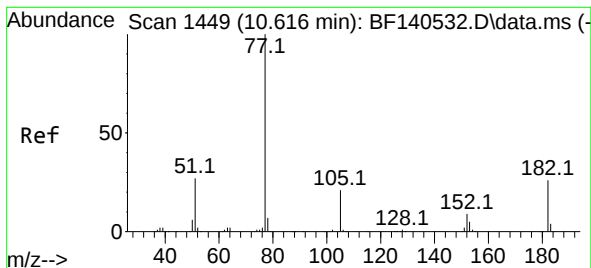
165 100

63 1.1 41.7 62.5#

89 1.2 65.8 98.8#

182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 6.051 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF140581.D

Acq: 22 Nov 2024 16:50

Instrument :

BNA_F

ClientSampleId :

337

Tgt Ion: 77 Resp: 57180

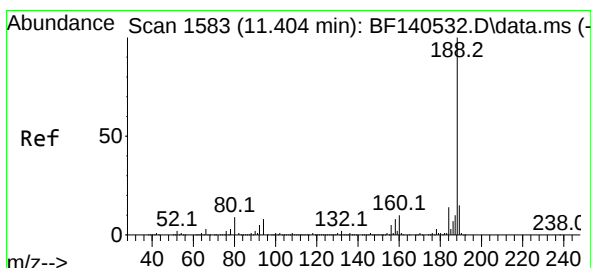
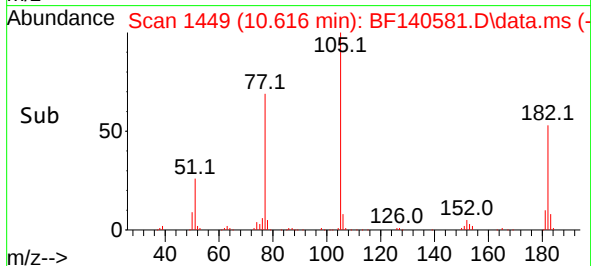
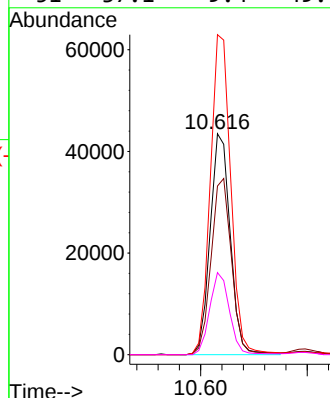
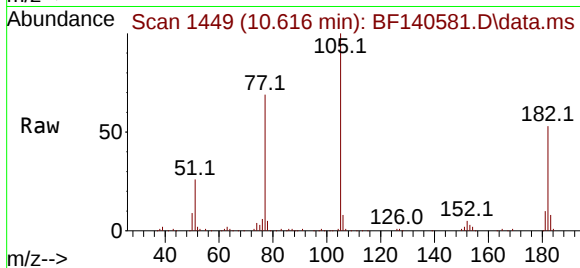
Ion Ratio Lower Upper

77 100

182 76.3 5.3 45.3#

105 144.8 0.3 40.3#

51 37.1 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: BF140581.D

Acq: 22 Nov 2024 16:50

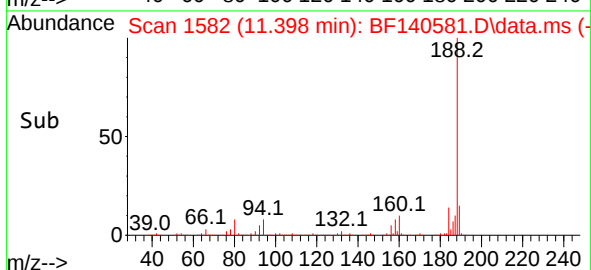
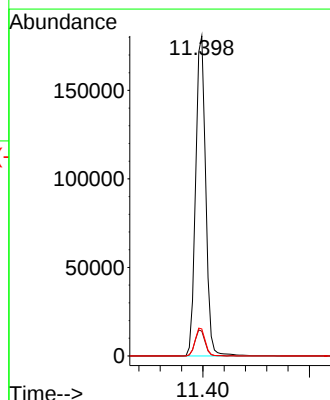
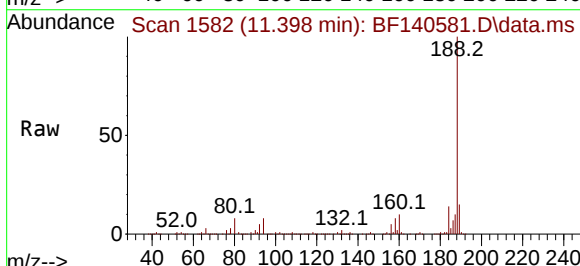
Tgt Ion: 188 Resp: 236951

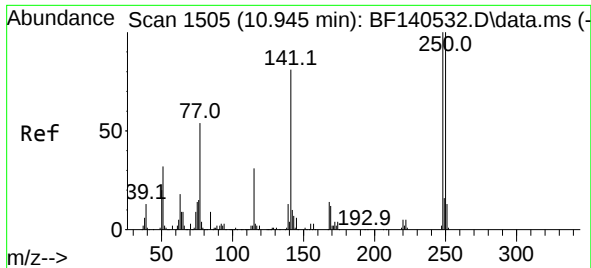
Ion Ratio Lower Upper

188 100

94 7.8 6.4 9.6

80 8.5 6.9 10.3

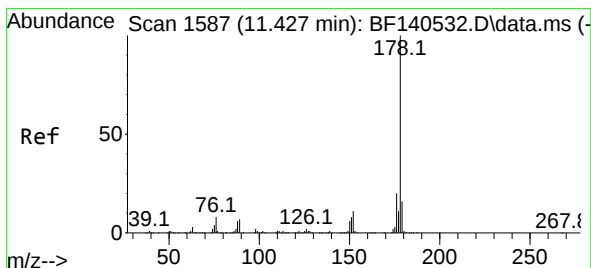
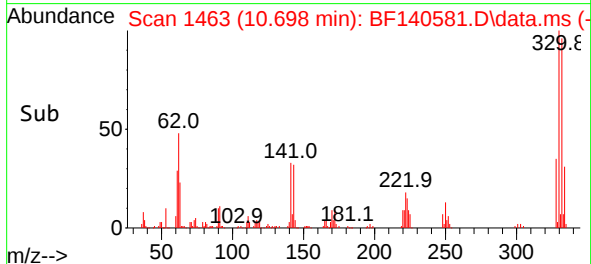
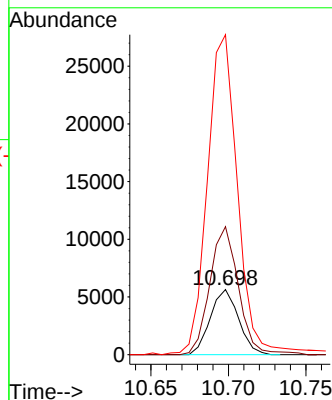
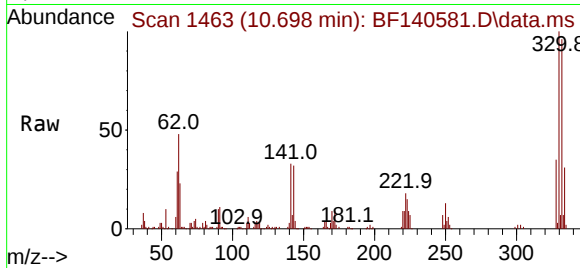




#67
4-Bromophenyl-phenylether
Concen: 2.932 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF140581.D
Acq: 22 Nov 2024 16:50

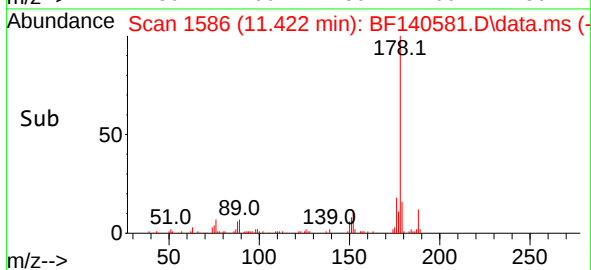
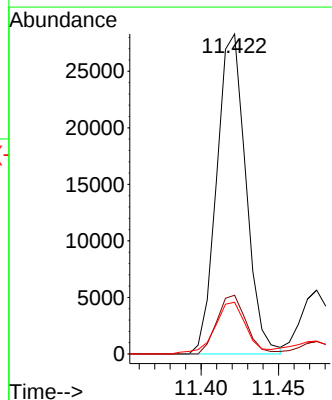
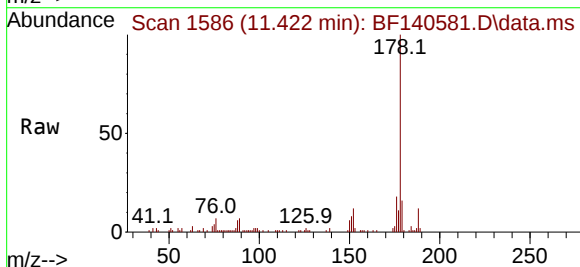
Instrument :
BNA_F
ClientSampleId :
337

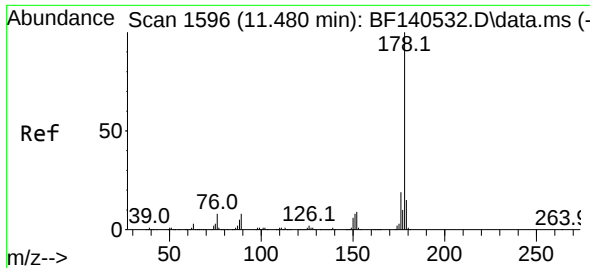
Tgt Ion:248 Resp: 7155
Ion Ratio Lower Upper
248 100
250 196.5 79.8 119.8#
141 491.5 64.7 97.1#



#71
Phenanthrene
Concen: 3.256 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140581.D
Acq: 22 Nov 2024 16:50

Tgt Ion:178 Resp: 37082
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.6
179 16.1 12.4 18.6

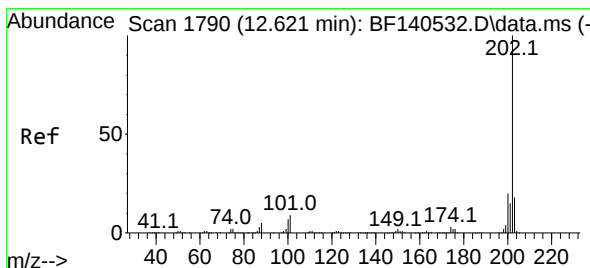
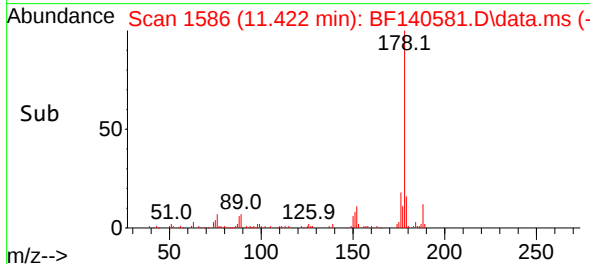
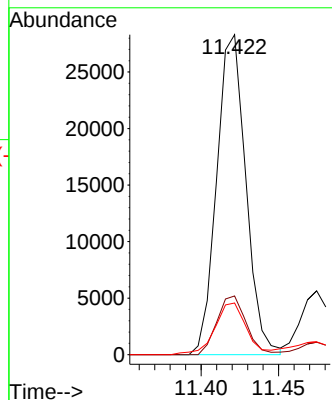
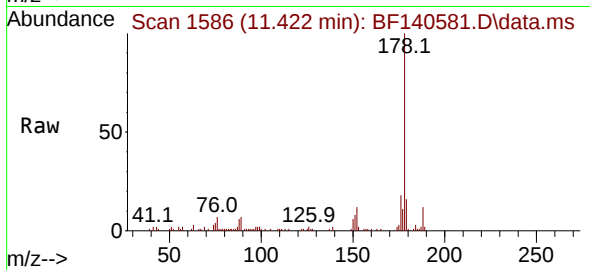




#72
 Anthracene
 Concen: 3.328 ng
 RT: 11.422 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF140581.D
 Acq: 22 Nov 2024 16:50

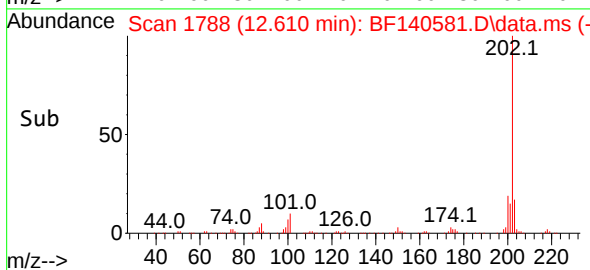
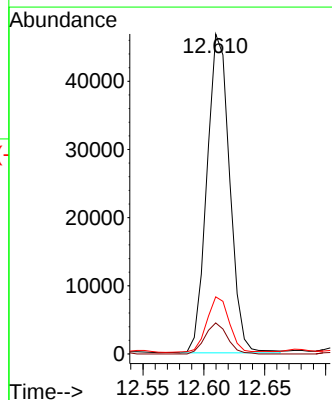
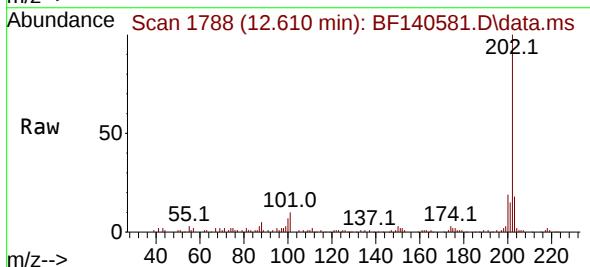
Instrument :
 BNA_F
 ClientSampleId :
 337

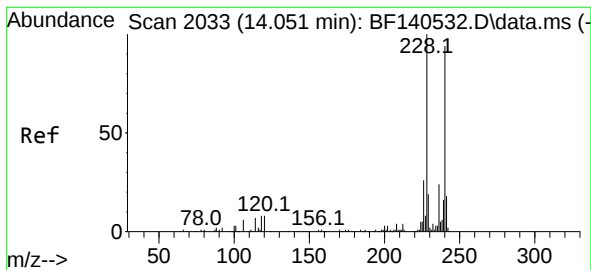
Tgt Ion:178 Resp: 37082
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.0 22.4
 179 16.1 12.2 18.4



#75
 Fluoranthene
 Concen: 4.919 ng
 RT: 12.610 min Scan# 1788
 Delta R.T. -0.012 min
 Lab File: BF140581.D
 Acq: 22 Nov 2024 16:50

Tgt Ion:202 Resp: 60828
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 28.9
 203 17.8 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140581.D

Acq: 22 Nov 2024 16:50

Instrument :

BNA_F

ClientSampleId :

337

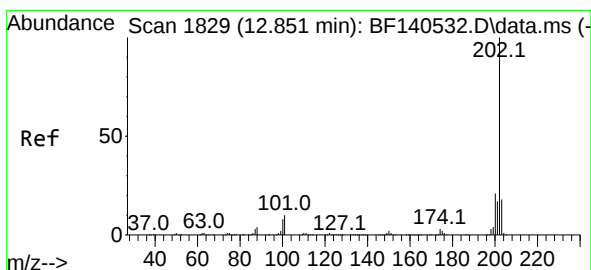
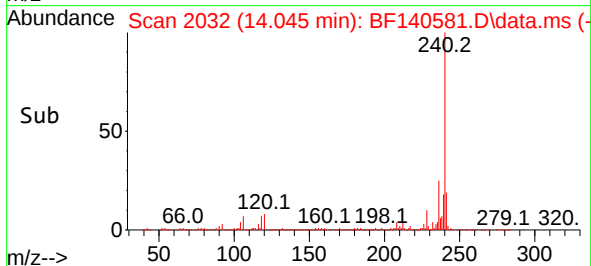
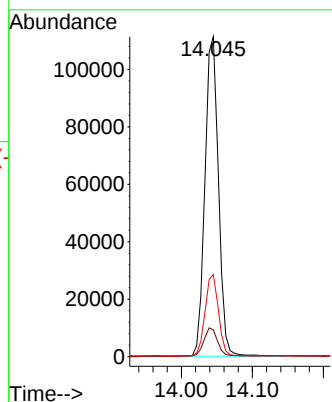
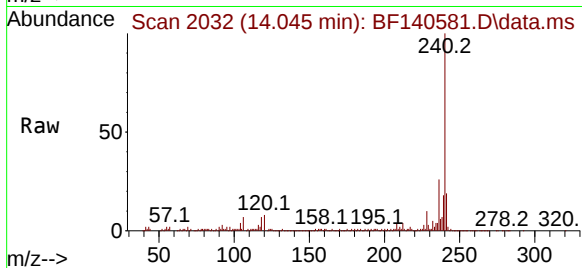
Tgt Ion:240 Resp: 147337

Ion Ratio Lower Upper

240 100

120 8.4 7.3 10.9

236 25.7 20.6 31.0



#78

Pyrene

Concen: 4.340 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.012 min

Lab File: BF140581.D

Acq: 22 Nov 2024 16:50

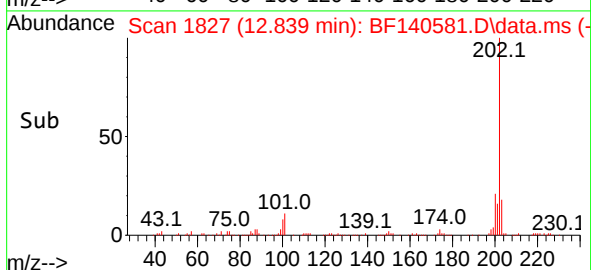
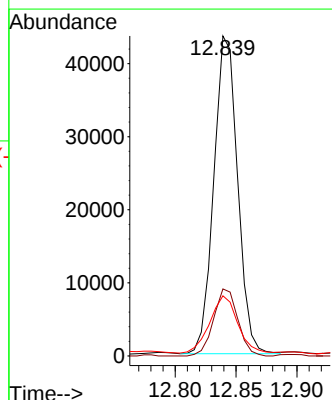
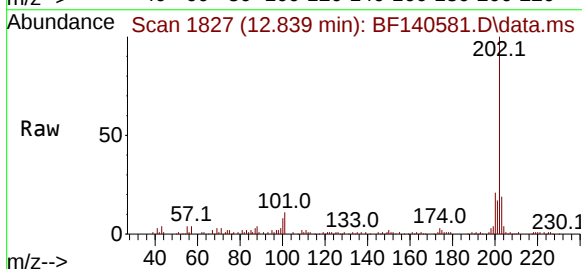
Tgt Ion:202 Resp: 59124

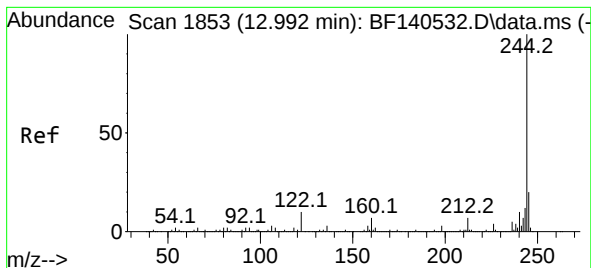
Ion Ratio Lower Upper

202 100

200 21.0 16.5 24.7

203 18.8 14.2 21.4





#79

Terphenyl-d14

Concen: 49.439 ng

RT: 12.980 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140581.D

Acq: 22 Nov 2024 16:50

Instrument :

BNA_F

ClientSampleId :

337

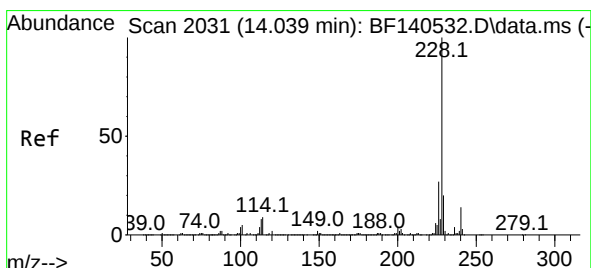
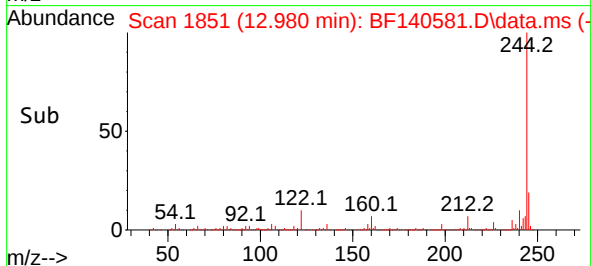
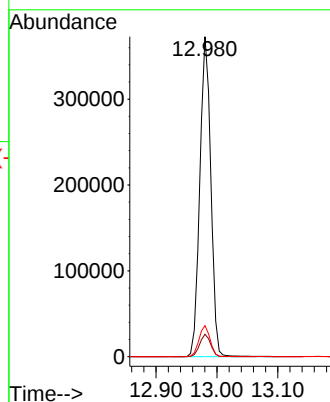
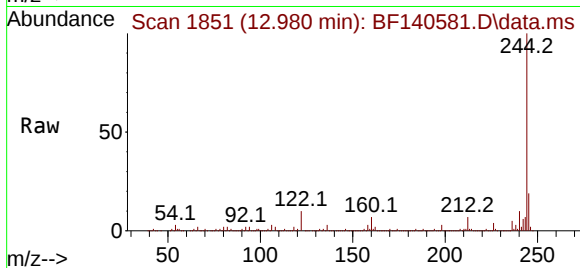
Tgt Ion:244 Resp: 467793

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

122 9.7 8.0 12.0



#81

Benzo(a)anthracene

Concen: 3.394 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF140581.D

Acq: 22 Nov 2024 16:50

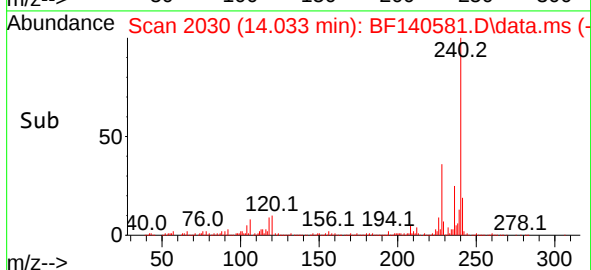
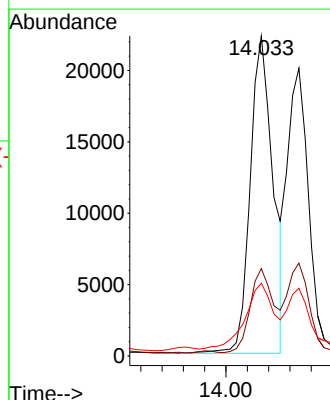
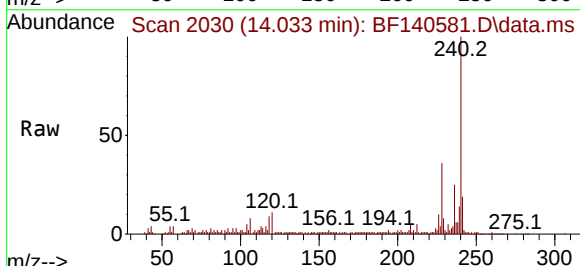
Tgt Ion:228 Resp: 33106

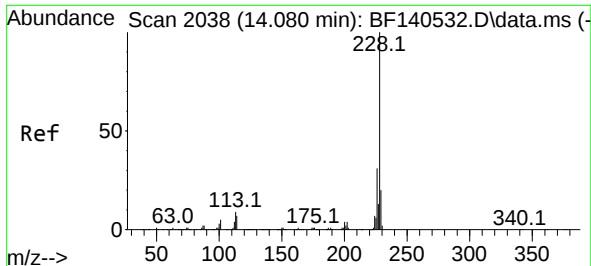
Ion Ratio Lower Upper

228 100

226 27.3 21.8 32.8

229 22.7 15.8 23.6

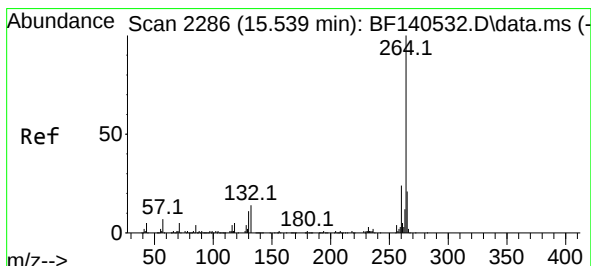
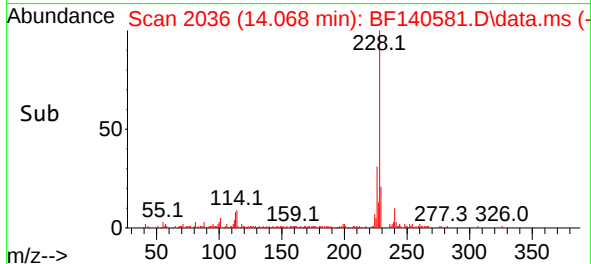
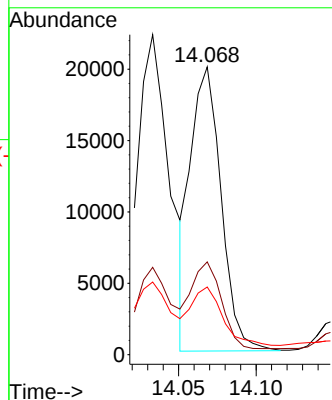
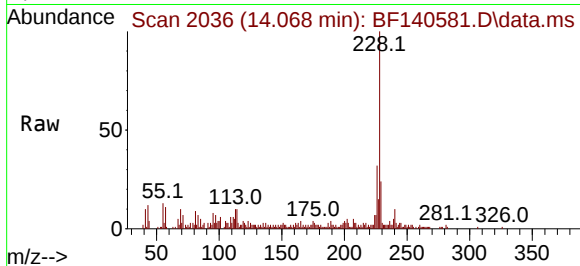




#83
Chrysene
Concen: 3.061 ng
RT: 14.068 min Scan# 2038
Delta R.T. -0.012 min
Lab File: BF140581.D
Acq: 22 Nov 2024 16:50

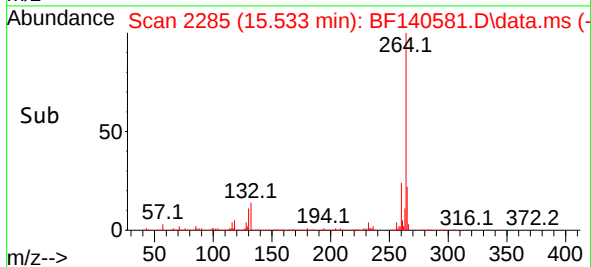
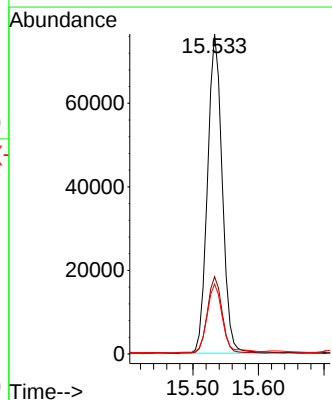
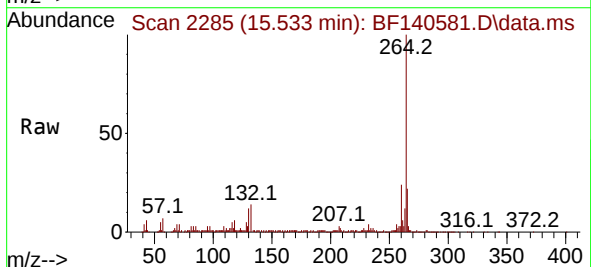
Instrument :
BNA_F
ClientSampleId :
337

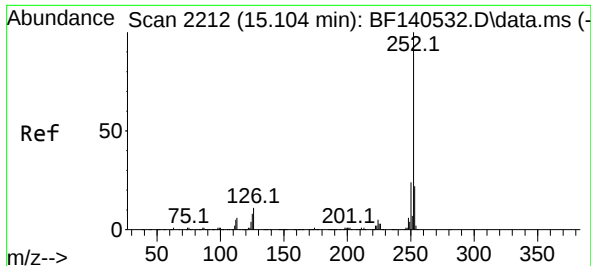
Tgt Ion:228 Resp: 27300
Ion Ratio Lower Upper
228 100
226 32.2 24.4 36.6
229 23.5 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF140581.D
Acq: 22 Nov 2024 16:50

Tgt Ion:264 Resp: 119356
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.6
265 21.8 16.6 25.0

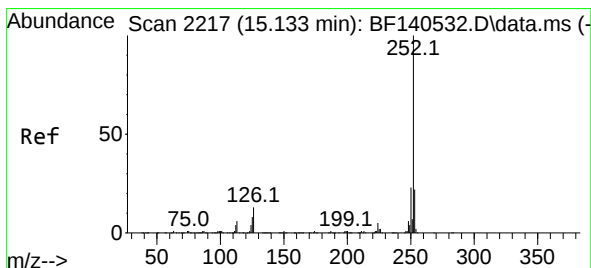
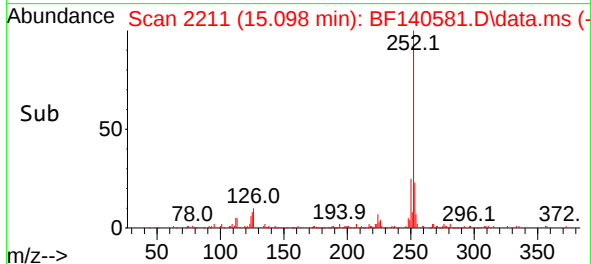
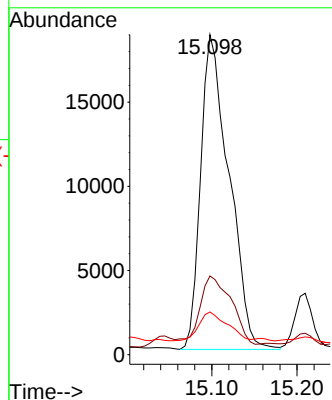
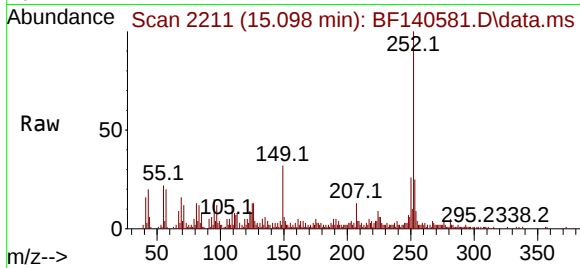




#88
Benzo(b)fluoranthene
Concen: 5.767 ng
RT: 15.098 min Scan# 2111
Delta R.T. -0.006 min
Lab File: BF140581.D
Acq: 22 Nov 2024 16:50

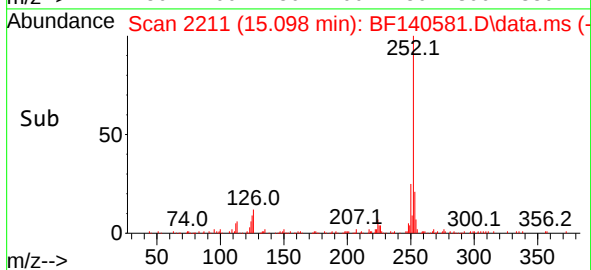
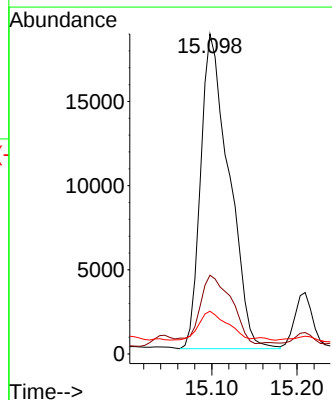
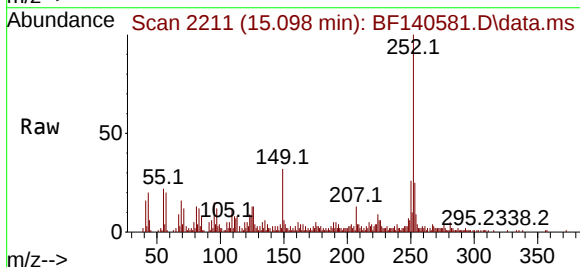
Instrument :
BNA_F
ClientSampleId :
337

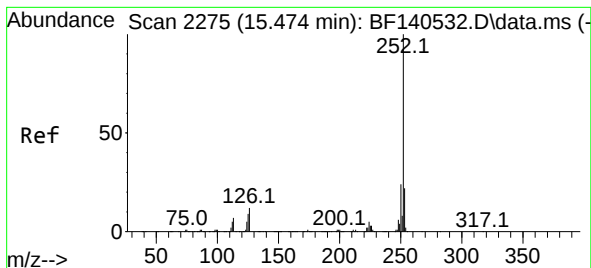
Tgt Ion:252 Resp: 43232
Ion Ratio Lower Upper
252 100
253 24.6 17.2 25.8
125 13.3 6.7 10.1#



#89
Benzo(k)fluoranthene
Concen: 6.590 ng
RT: 15.098 min Scan# 2211
Delta R.T. -0.035 min
Lab File: BF140581.D
Acq: 22 Nov 2024 16:50

Tgt Ion:252 Resp: 43232
Ion Ratio Lower Upper
252 100
253 24.6 17.5 26.3
125 13.3 6.5 9.7#





#90

Benzo(a)pyrene

Concen: 3.507 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140581.D

Acq: 22 Nov 2024 16:50

Instrument :

BNA_F

ClientSampleId :

337

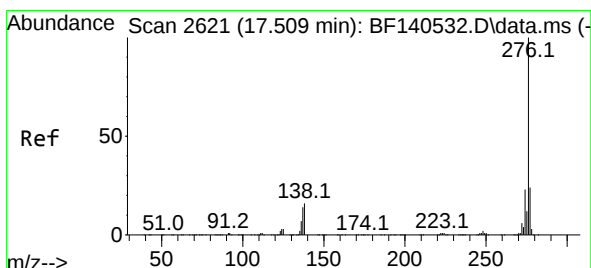
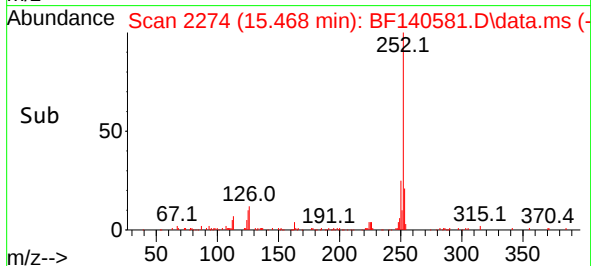
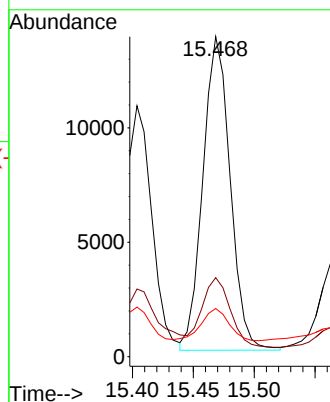
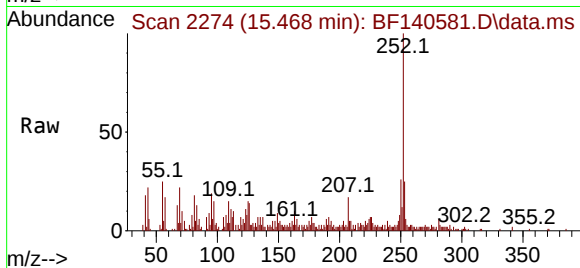
Tgt Ion:252 Resp: 21378

Ion Ratio Lower Upper

252 100

253 24.7 17.3 25.9

125 15.0 7.0 10.6#



#92

Benzo(g,h,i)perylene

Concen: 2.058 ng

RT: 17.492 min Scan# 2618

Delta R.T. -0.018 min

Lab File: BF140581.D

Acq: 22 Nov 2024 16:50

Tgt Ion:276 Resp: 13376

Ion Ratio Lower Upper

276 100

277 26.8 18.9 28.3

138 18.6 13.2 19.8

