

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140430.D
 Acq On : 16 Nov 2024 15:23
 Operator : RC/JU
 Sample : P4848-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Nov 18 00:07:21 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)

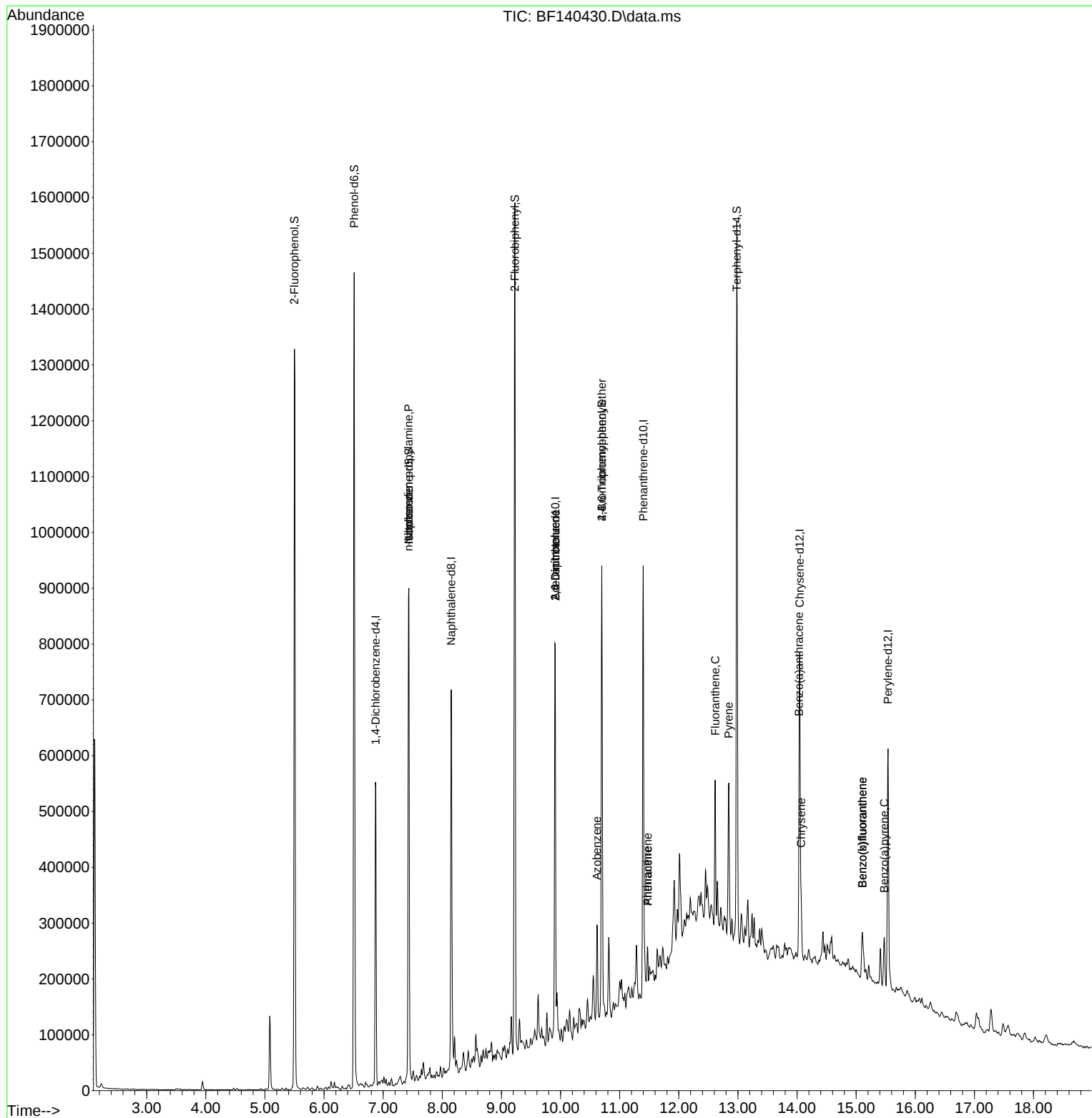
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	115391	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	428679	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	223055	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	401877	20.000	ng	0.00
76) Chrysene-d12	14.045	240	228846	20.000	ng	0.00
86) Perylene-d12	15.539	264	261901	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	503974	74.571	ng	0.00
7) Phenol-d6	6.510	99	677340	73.974	ng	0.00
23) Nitrobenzene-d5	7.434	82	415056	50.447	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	135746	61.199	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	705662	50.857	ng	0.00
79) Terphenyl-d14	12.980	244	623356	47.281	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	57517	10.401	ng	# 76
25) Isophorone	7.434	82	407810	27.967	ng	# 67
51) 2,6-Dinitrotoluene	9.910	165	30132	9.091	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	30132	6.907	ng	# 21
63) Azobenzene	10.616	77	45399	3.091	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	8746	2.177	ng	# 1
71) Phenanthrene	11.475	178	43628	2.311	ng	95
72) Anthracene	11.475	178	43628	2.358	ng	96
75) Fluoranthene	12.616	202	138537	6.541	ng	100
78) Pyrene	12.845	202	156762	8.008	ng	98
81) Benzo(a)anthracene	14.033	228	69855	4.645	ng	# 84
83) Chrysene	14.069	228	63787	4.648	ng	# 94
88) Benzo(b)fluoranthene	15.104	252	75857	4.428	ng	# 92
89) Benzo(k)fluoranthene	15.104	252	75857	5.420	ng	# 91
90) Benzo(a)pyrene	15.474	252	54682	4.110	ng	# 94

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

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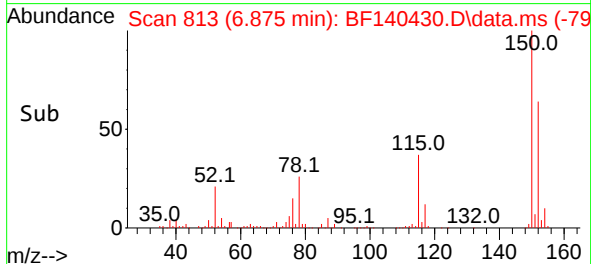
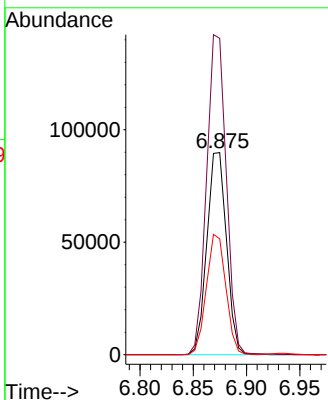
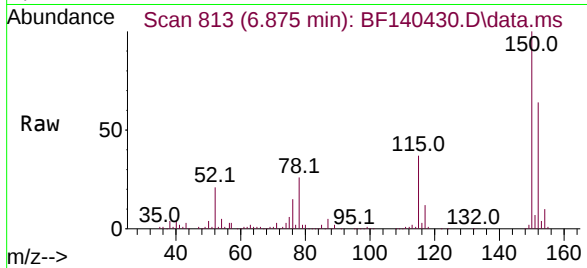




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23

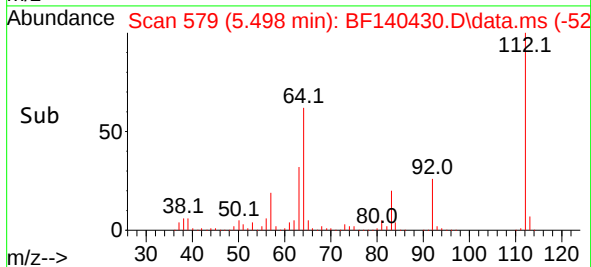
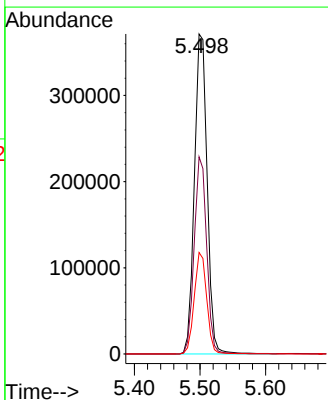
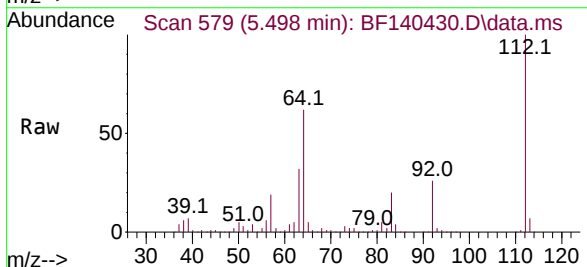
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:152 Resp: 115391
Ion Ratio Lower Upper
152 100
150 156.4 127.4 191.0
115 57.3 47.4 71.2



#5
2-Fluorophenol
Concen: 74.571 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23

Tgt Ion:112 Resp: 503974
Ion Ratio Lower Upper
112 100
64 61.6 49.2 73.8
63 31.7 25.6 38.4





#7

Phenol-d6

Concen: 73.974 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140430.D

Acq: 16 Nov 2024 15:23

Instrument :

BNA_F

ClientSampleId :

TP-1

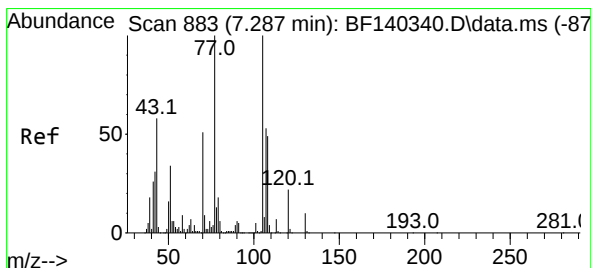
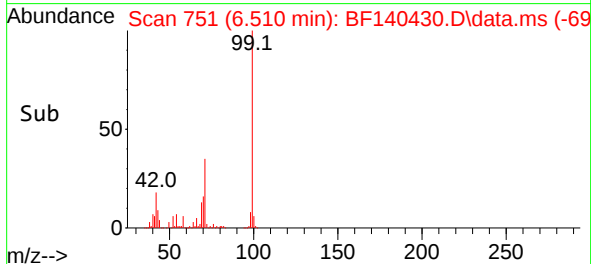
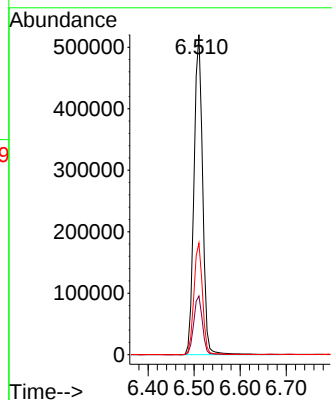
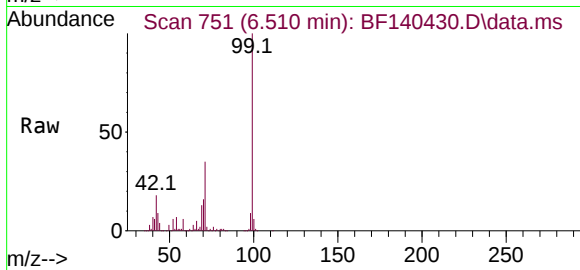
Tgt Ion: 99 Resp: 677340

Ion Ratio Lower Upper

99 100

42 18.4 15.1 22.7

71 34.9 27.9 41.9



#19

n-Nitroso-di-n-propylamine

Concen: 10.401 ng

RT: 7.428 min Scan# 907

Delta R.T. 0.135 min

Lab File: BF140430.D

Acq: 16 Nov 2024 15:23

Tgt Ion: 70 Resp: 57517

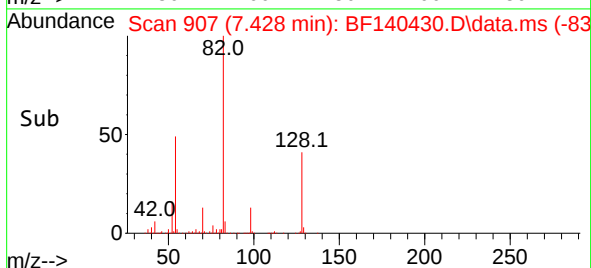
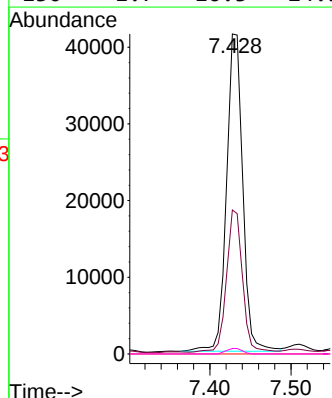
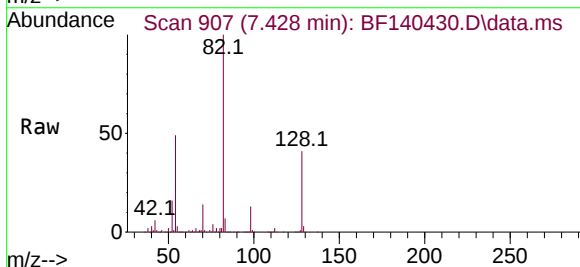
Ion Ratio Lower Upper

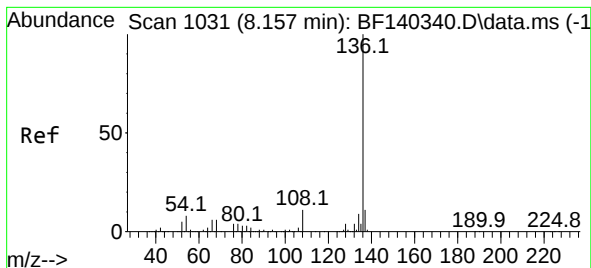
70 100

42 45.0 46.8 70.2#

101 0.0 7.5 11.3#

130 1.7 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: BF140430.D

Acq: 16 Nov 2024 15:23

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:136 Resp: 428679

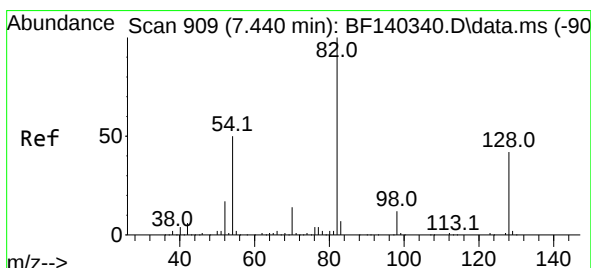
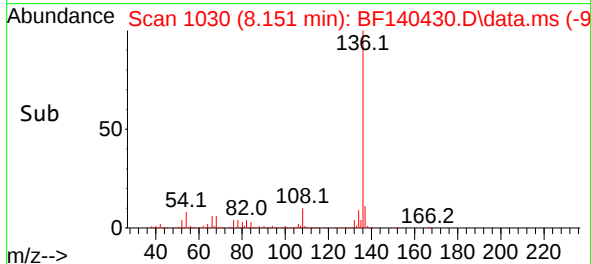
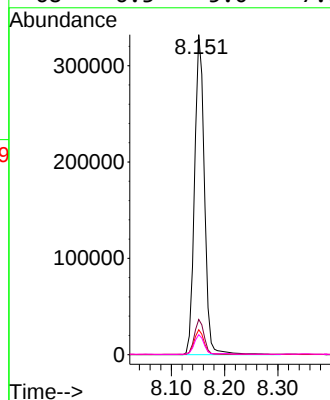
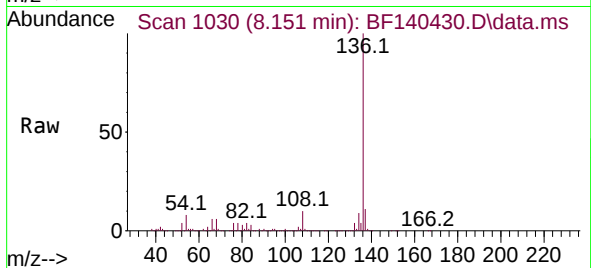
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 7.8 6.5 9.7

68 6.3 5.0 7.6



#23

Nitrobenzene-d5

Concen: 50.447 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF140430.D

Acq: 16 Nov 2024 15:23

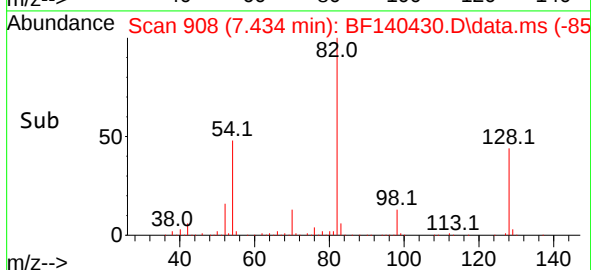
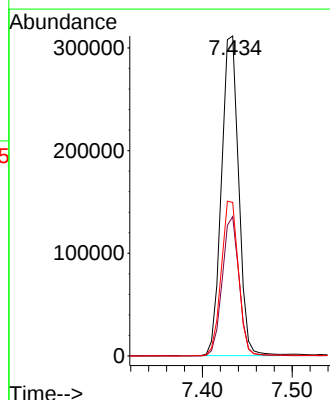
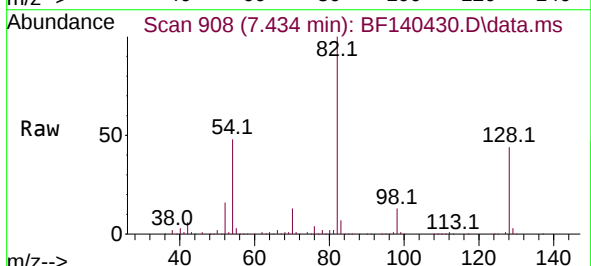
Tgt Ion: 82 Resp: 415056

Ion Ratio Lower Upper

82 100

128 43.5 33.3 49.9

54 48.0 39.8 59.8

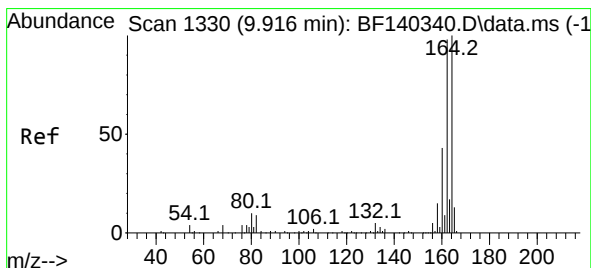
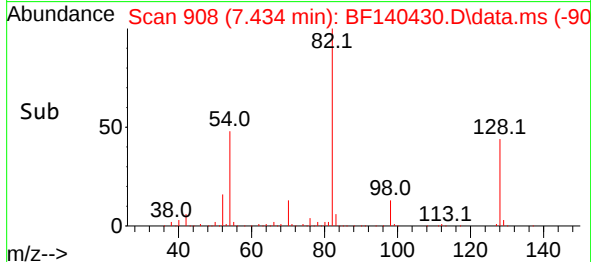
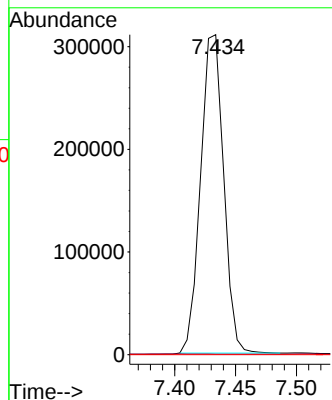
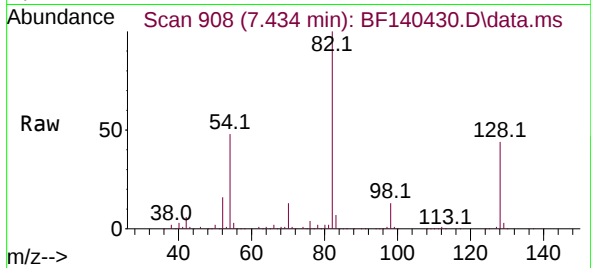




#25
Isophorone
Concen: 27.967 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23

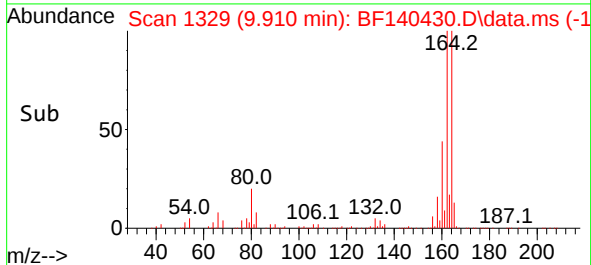
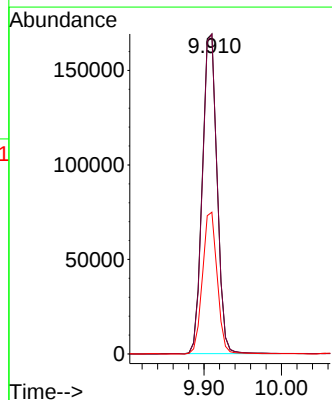
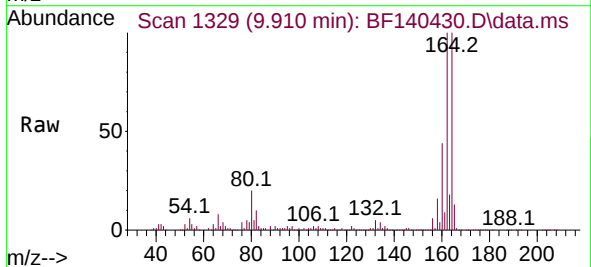
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 82 Resp: 407810
Ion Ratio Lower Upper
82 100
95 0.2 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: BF140430.D
Acq: 16 Nov 2024 15:23

Tgt Ion:164 Resp: 223055
Ion Ratio Lower Upper
164 100
162 100.0 79.8 119.8
160 44.3 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 61.199 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140430.D

Acq: 16 Nov 2024 15:23

Instrument :

BNA_F

ClientSampleId :

TP-1

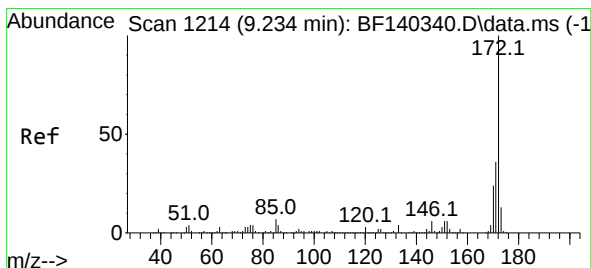
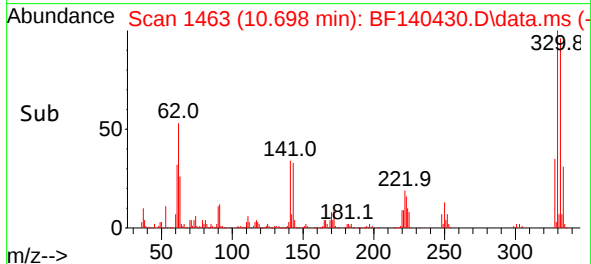
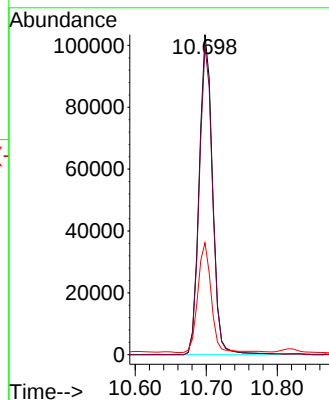
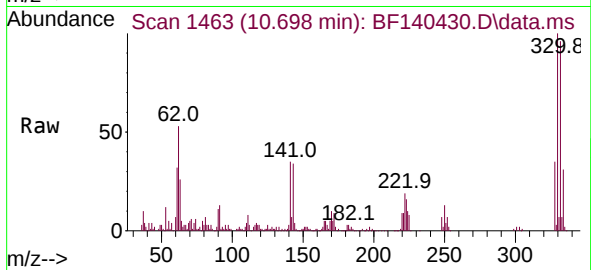
Tgt Ion:330 Resp: 135746

Ion Ratio Lower Upper

330 100

332 96.4 75.9 113.9

141 34.0 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 50.857 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140430.D

Acq: 16 Nov 2024 15:23

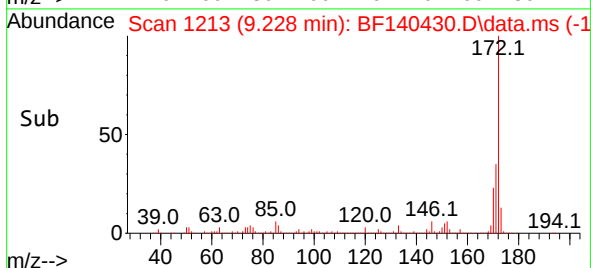
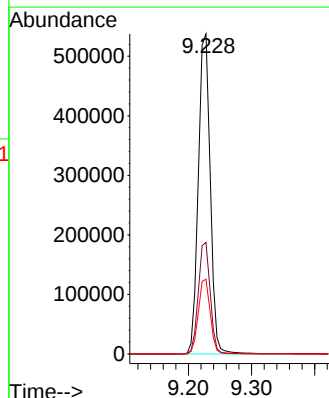
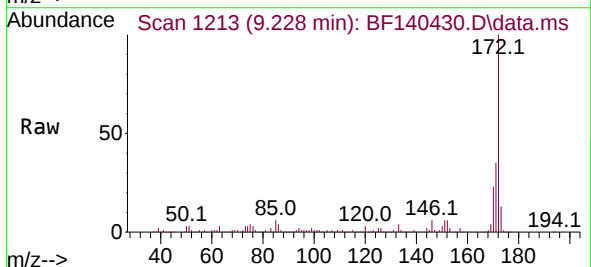
Tgt Ion:172 Resp: 705662

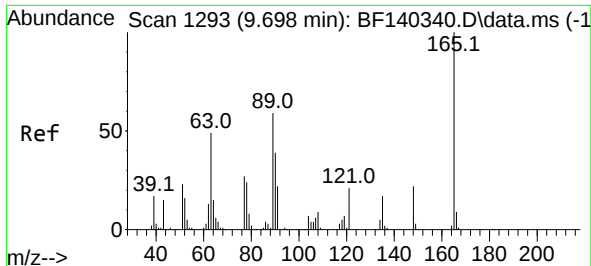
Ion Ratio Lower Upper

172 100

171 34.9 28.5 42.7

170 23.3 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 9.091 ng

RT: 9.910 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF140430.D

Acq: 16 Nov 2024 15:23

Instrument :

BNA_F

ClientSampleId :

TP-1

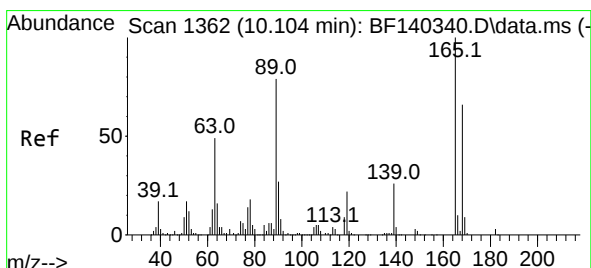
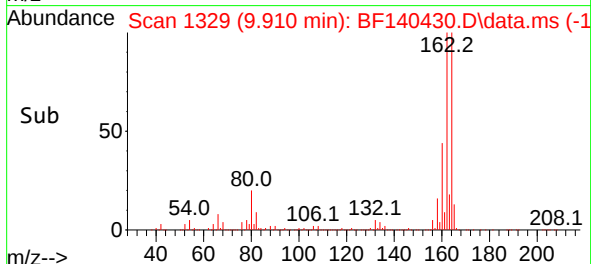
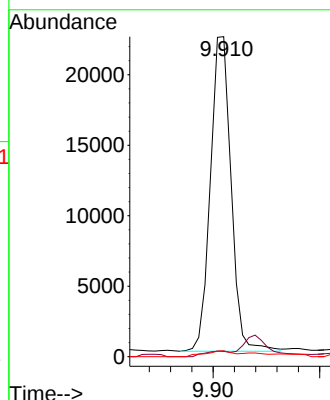
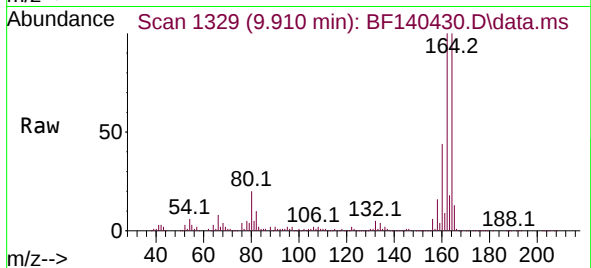
Tgt Ion:165 Resp: 30132

Ion Ratio Lower Upper

165 100

63 1.6 47.6 71.4#

89 1.9 48.1 72.1#



#57

2,4-Dinitrotoluene

Concen: 6.907 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.194 min

Lab File: BF140430.D

Acq: 16 Nov 2024 15:23

Tgt Ion:165 Resp: 30132

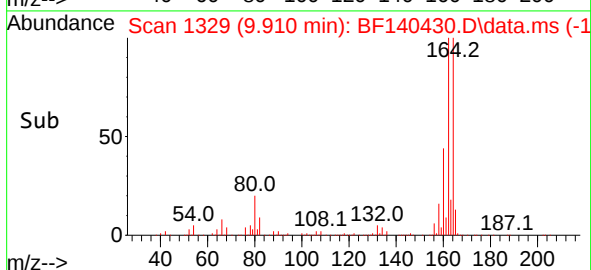
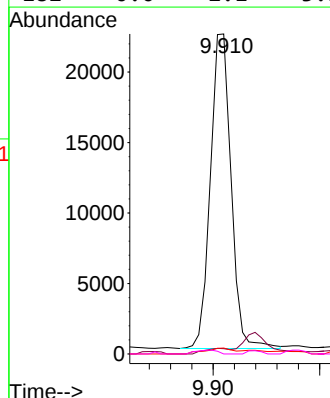
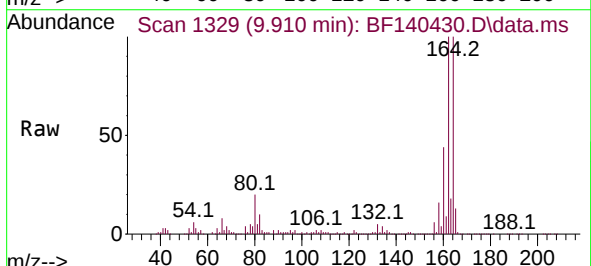
Ion Ratio Lower Upper

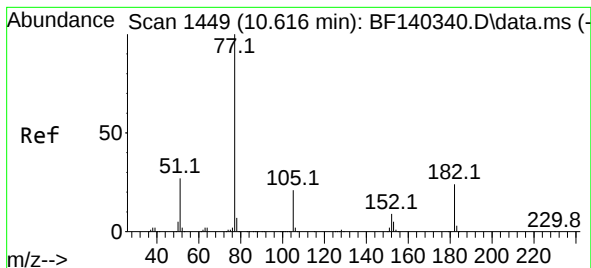
165 100

63 1.6 39.4 59.0#

89 1.9 62.4 93.6#

182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 3.091 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.000 min

Lab File: BF140430.D

Acq: 16 Nov 2024 15:23

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion: 77 Resp: 45399

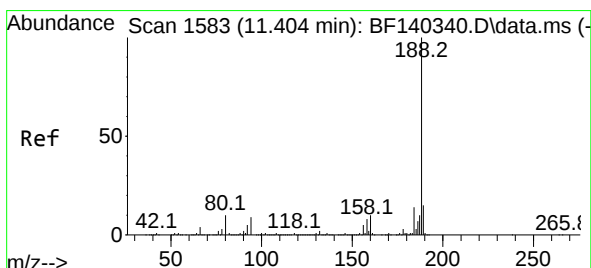
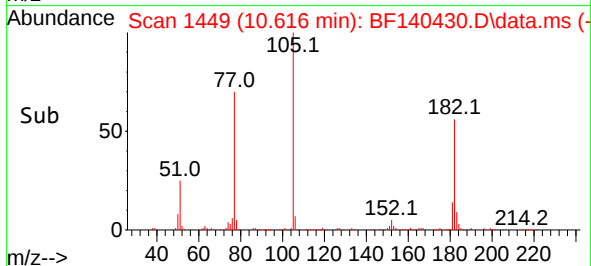
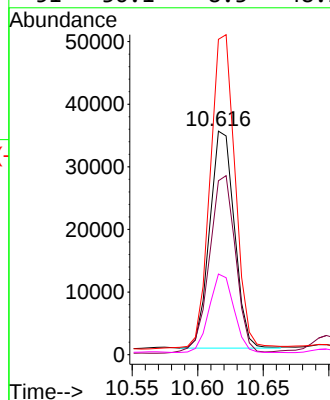
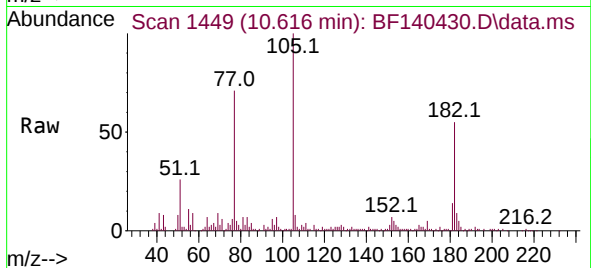
Ion Ratio Lower Upper

77 100

182 77.8 4.6 44.6#

105 141.2 0.9 40.9#

51 36.1 8.3 48.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF140430.D

Acq: 16 Nov 2024 15:23

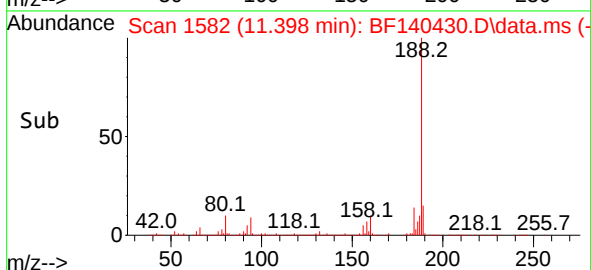
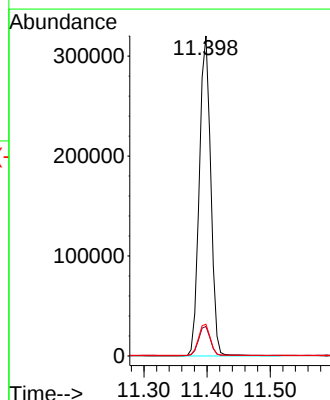
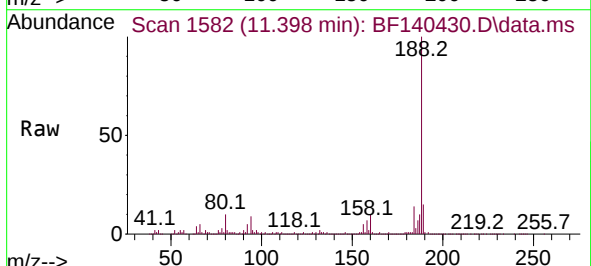
Tgt Ion: 188 Resp: 401877

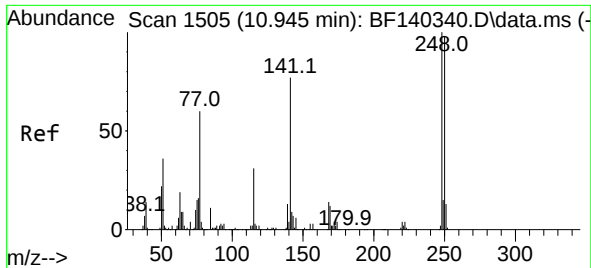
Ion Ratio Lower Upper

188 100

94 9.2 7.6 11.4

80 9.9 8.0 12.0

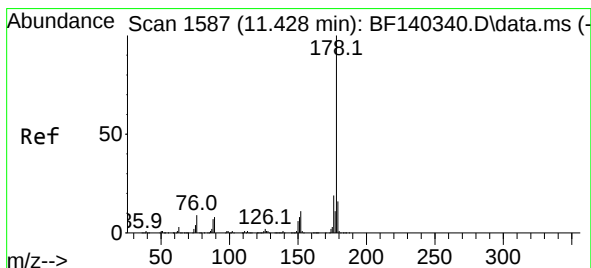
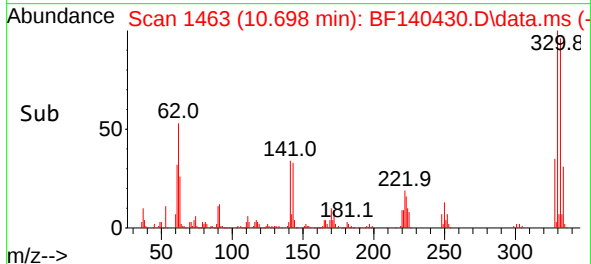
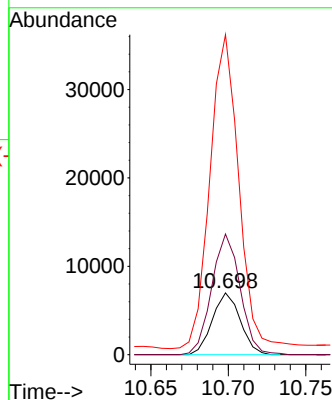
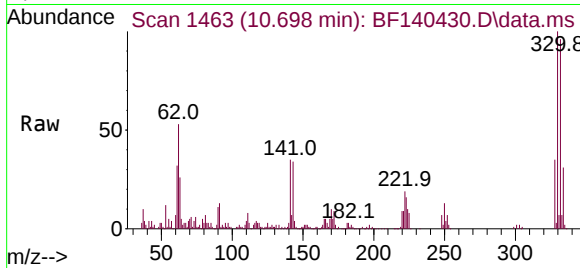




#67
4-Bromophenyl-phenylether
Concen: 2.177 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23

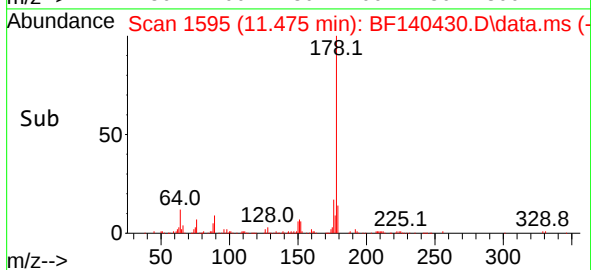
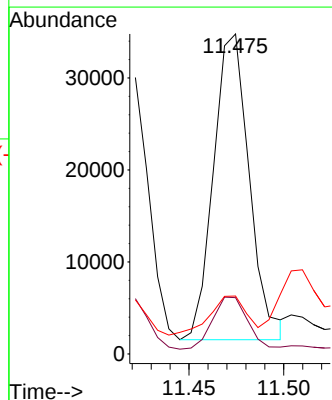
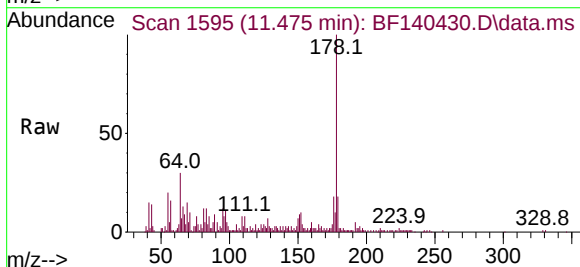
Instrument :
BNA_F
ClientSampleId :
TP-1

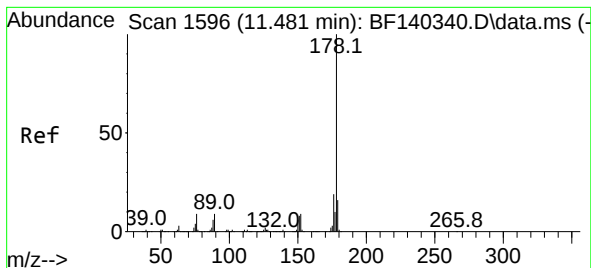
Tgt Ion:248 Resp: 8746
Ion Ratio Lower Upper
248 100
250 195.2 77.9 116.9#
141 517.7 61.8 92.6#



#71
Phenanthrene
Concen: 2.311 ng
RT: 11.475 min Scan# 1595
Delta R.T. 0.047 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23

Tgt Ion:178 Resp: 43628
Ion Ratio Lower Upper
178 100
176 17.6 15.5 23.3
179 18.1 12.4 18.6





#72

Anthracene

Concen: 2.358 ng

RT: 11.475 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140430.D

Acq: 16 Nov 2024 15:23

Instrument :

BNA_F

ClientSampleId :

TP-1

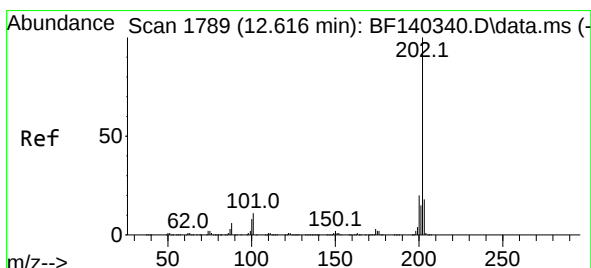
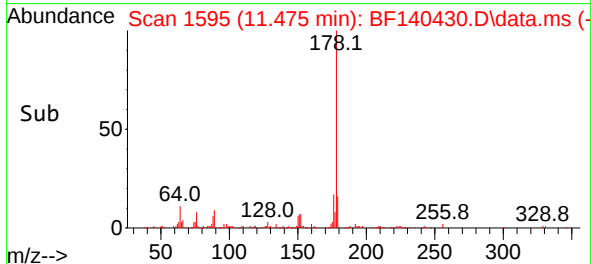
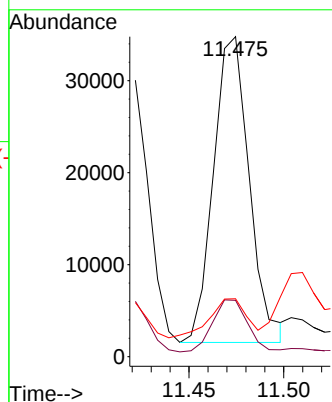
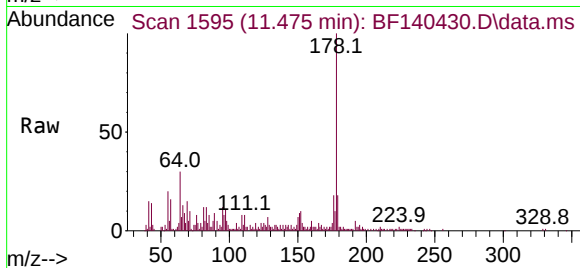
Tgt Ion:178 Resp: 43628

Ion Ratio Lower Upper

178 100

176 17.6 15.4 23.0

179 18.1 12.6 18.8



#75

Fluoranthene

Concen: 6.541 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.000 min

Lab File: BF140430.D

Acq: 16 Nov 2024 15:23

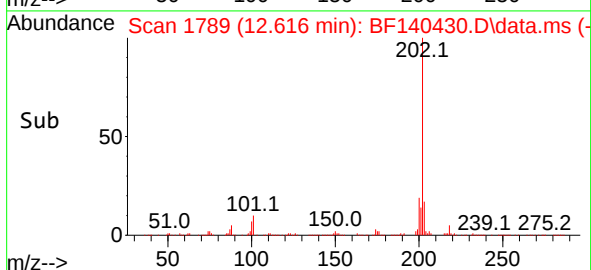
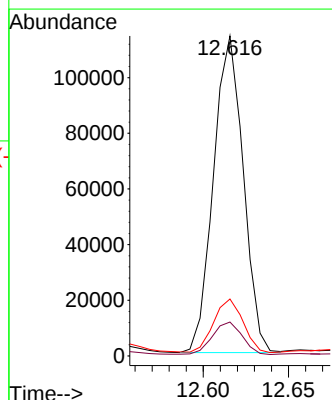
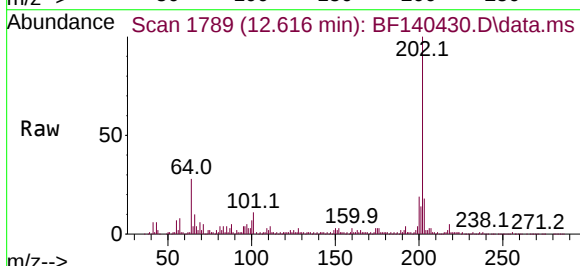
Tgt Ion:202 Resp: 138537

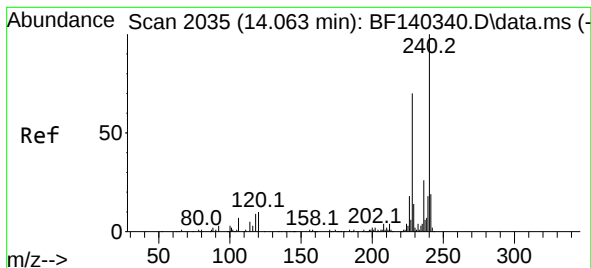
Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.7

203 17.8 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: BF140430.D

Acq: 16 Nov 2024 15:23

Instrument :

BNA_F

ClientSampleId :

TP-1

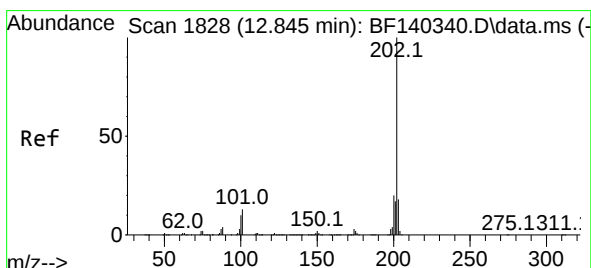
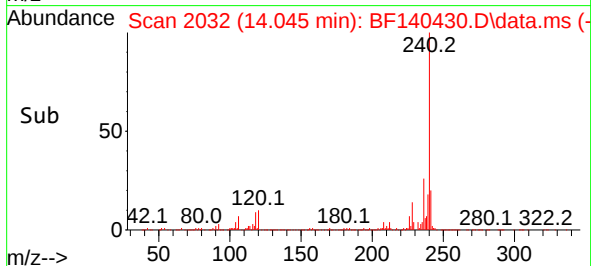
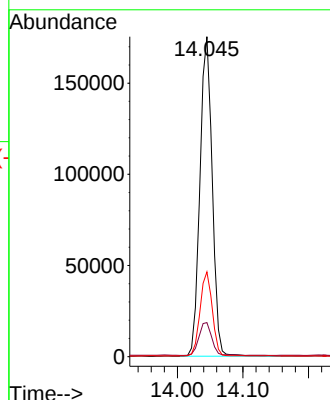
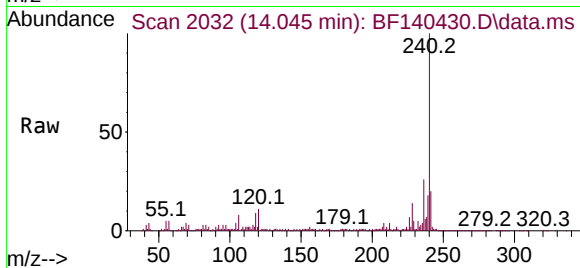
Tgt Ion:240 Resp: 228846

Ion Ratio Lower Upper

240 100

120 10.6 8.8 13.2

236 26.5 20.9 31.3



#78

Pyrene

Concen: 8.008 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF140430.D

Acq: 16 Nov 2024 15:23

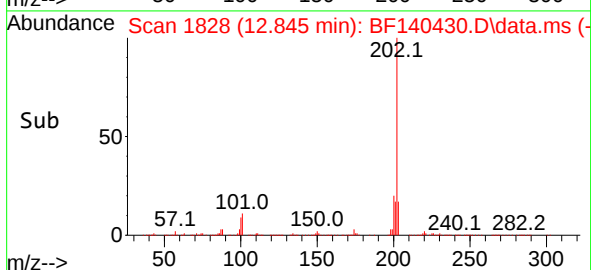
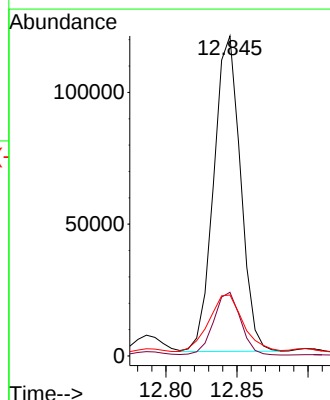
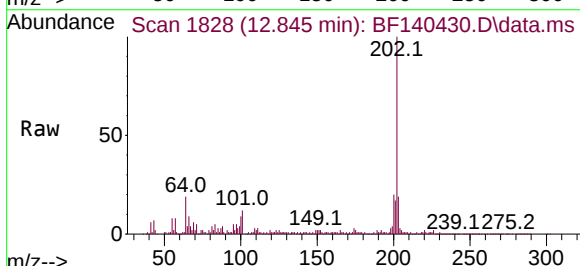
Tgt Ion:202 Resp: 156762

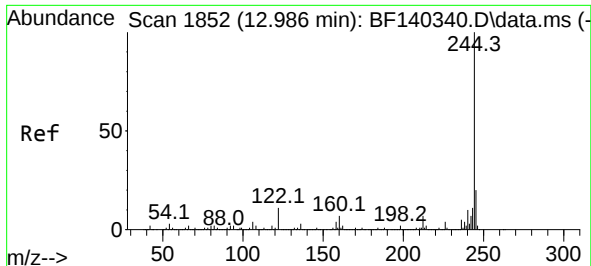
Ion Ratio Lower Upper

202 100

200 19.9 16.2 24.2

203 19.1 14.2 21.4

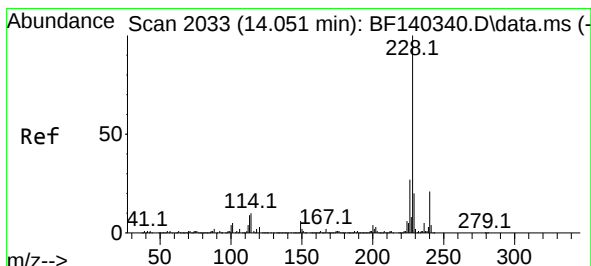
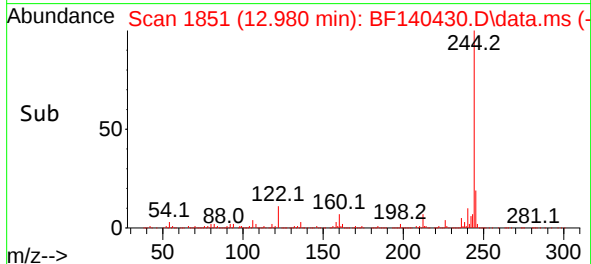
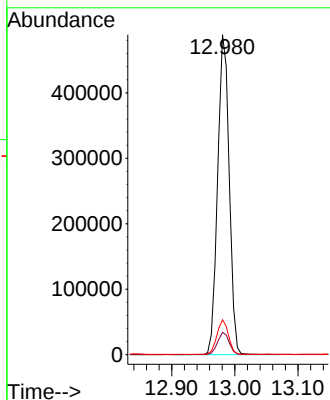
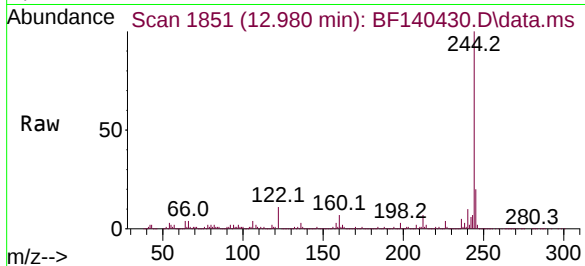




#79
 Terphenyl-d14
 Concen: 47.281 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF140430.D
 Acq: 16 Nov 2024 15:23

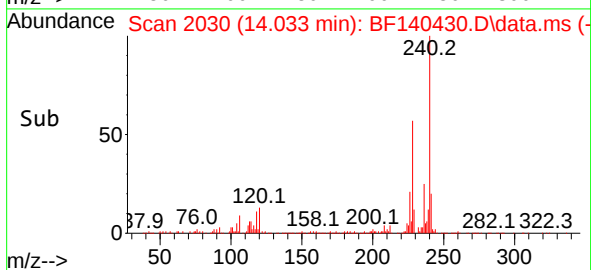
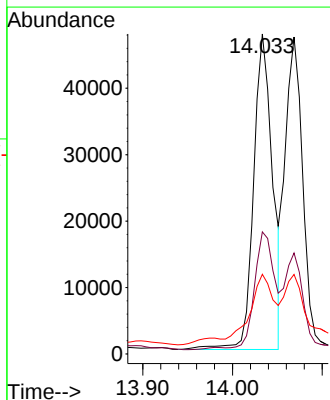
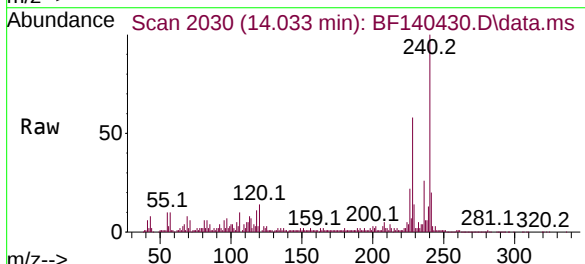
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

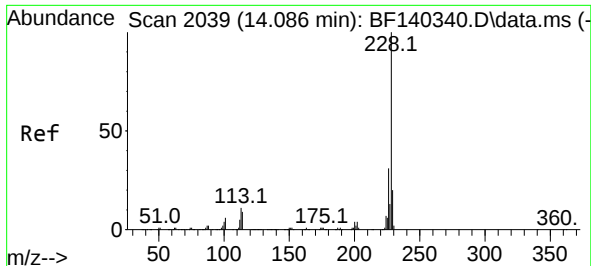
Tgt Ion:244 Resp: 623356
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 10.9 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 4.645 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF140430.D
 Acq: 16 Nov 2024 15:23

Tgt Ion:228 Resp: 69855
 Ion Ratio Lower Upper
 228 100
 226 38.2 22.2 33.4#
 229 24.9 15.8 23.6#

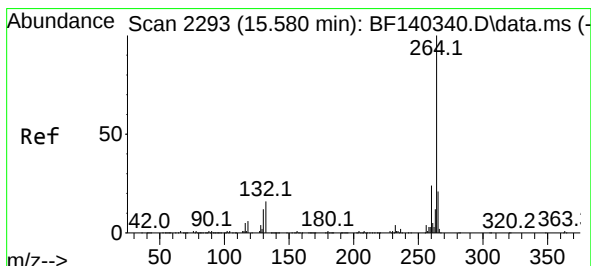
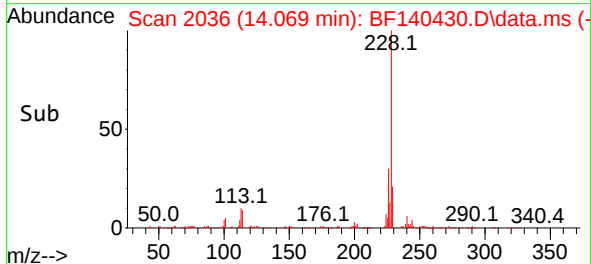
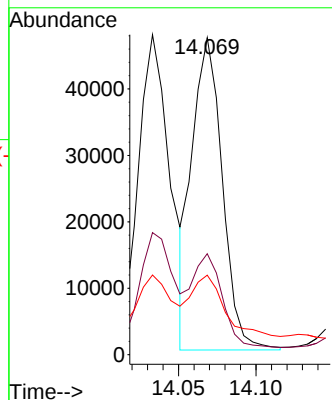
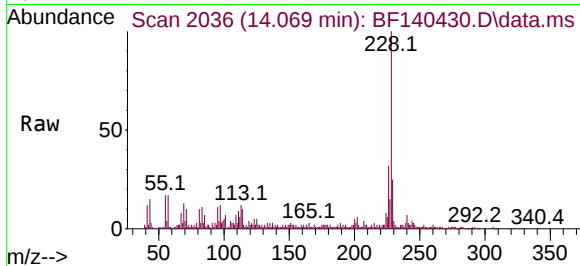




#83
Chrysene
Concen: 4.648 ng
RT: 14.069 min Scan# 2039
Delta R.T. -0.012 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23

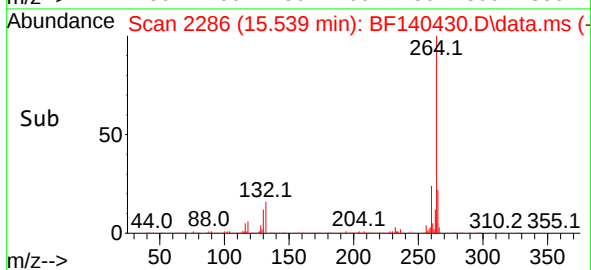
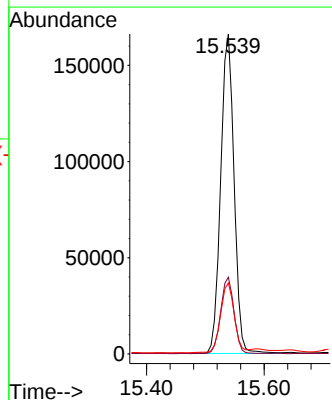
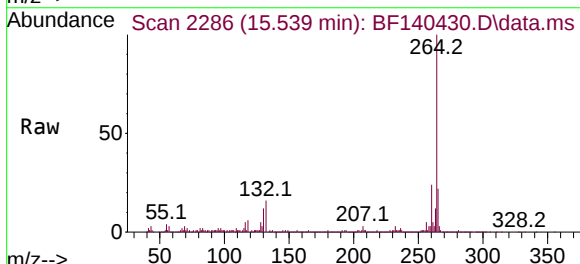
Instrument :
BNA_F
ClientSampleId :
TP-1

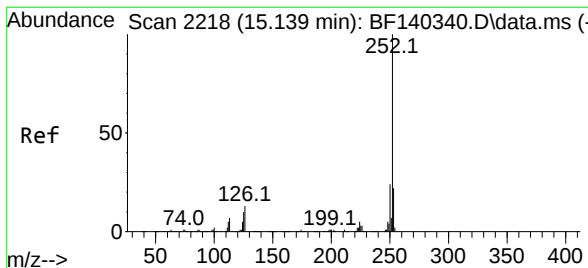
Tgt Ion:228 Resp: 63787
Ion Ratio Lower Upper
228 100
226 31.8 24.5 36.7
229 25.1 16.0 24.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.018 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23

Tgt Ion:264 Resp: 261901
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 22.2 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 4.428 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.012 min

Lab File: BF140430.D

Acq: 16 Nov 2024 15:23

Instrument :

BNA_F

ClientSampleId :

TP-1

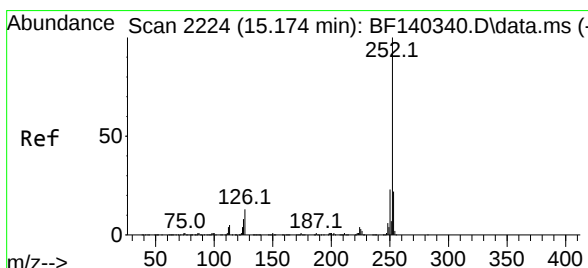
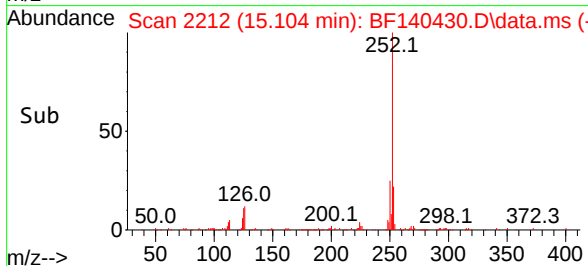
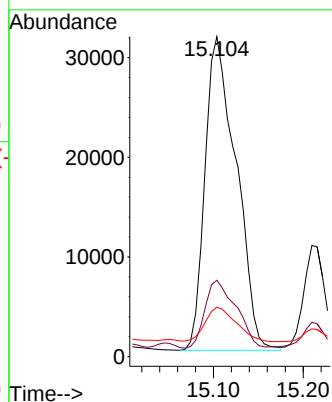
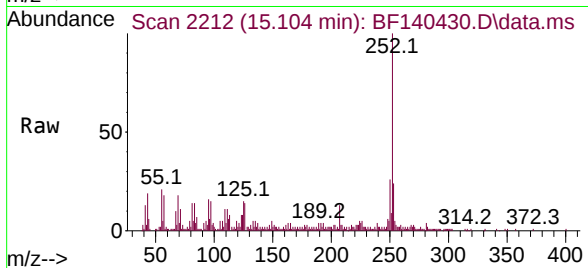
Tgt Ion:252 Resp: 75857

Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

125 15.5 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 5.420 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.047 min

Lab File: BF140430.D

Acq: 16 Nov 2024 15:23

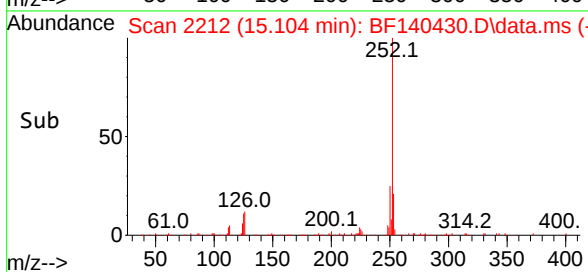
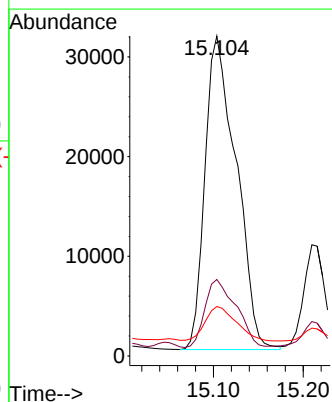
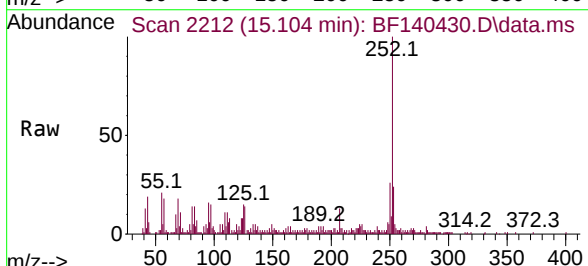
Tgt Ion:252 Resp: 75857

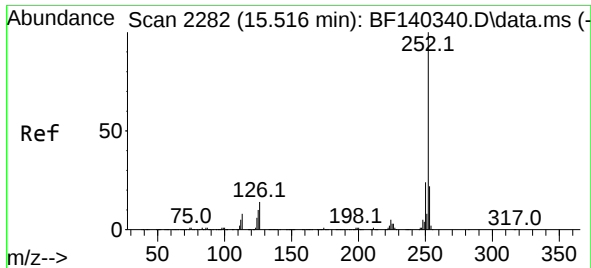
Ion Ratio Lower Upper

252 100

253 23.9 17.3 25.9

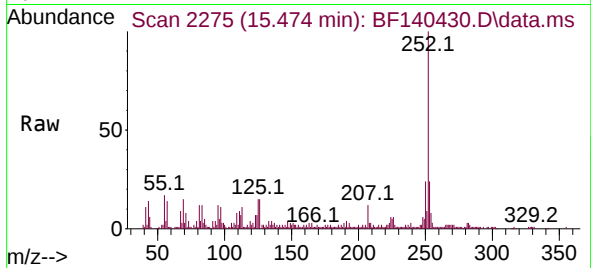
125 15.5 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 4.110 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23

Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:252 Resp: 54682
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 14.6 8.4 12.6#

