

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030618\
 Data File : BF103477.D
 Acq On : 7 Mar 2018 1:01
 Operator : SJ/JU
 Sample : J1766-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 07 02:07:35 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 11:52:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	125175	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	491452	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	184819	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	273391	20.00	ng	0.00
75) Chrysene-d12	14.07	240	117683	20.00	ng	0.00
86) Perylene-d12	15.61	264	103536	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1107485	133.81	ng	0.00
7) Phenol-d6	6.51	99	1335150	131.83	ng	0.00
23) Nitrobenzene-d5	7.44	82	848516	98.60	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	167945	107.35	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1037688	101.14	ng	0.00
78) Terphenyl-d14	13.00	244	626941	128.06	ng	0.00

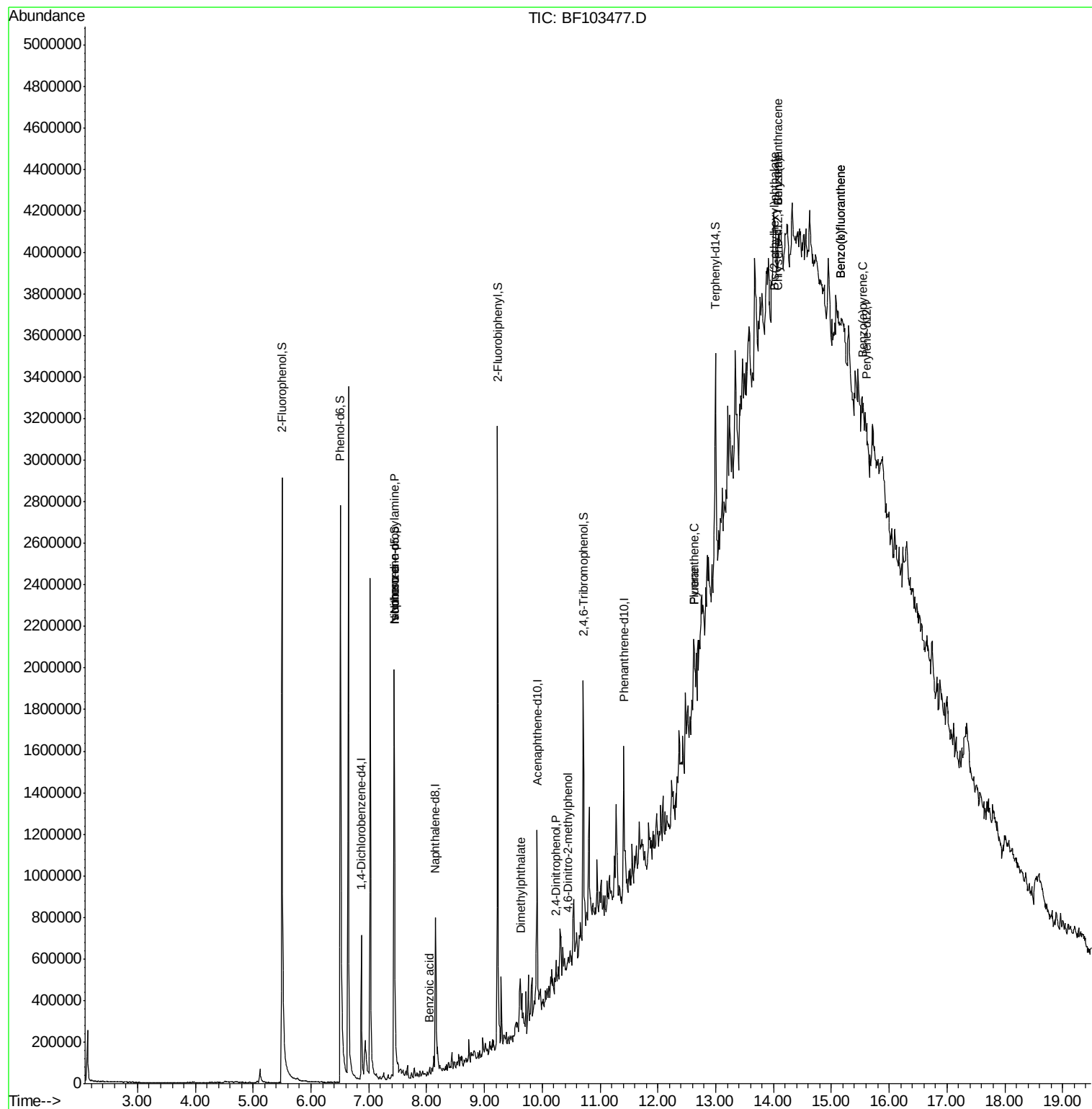
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.51	77	2384	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.44	70	112809	17.898	ng	# 83
25) Isophorone	7.44	82	848516	50.063	ng	# 64
32) Benzoic acid	8.06	122	309	6.966	ng	# 46
49) Dimethylphthalate	9.62	163	93811	6.327	ng	# 98
53) 2,4-Dinitrophenol	10.24	184	255	9.821	ng	# 28
64) 4,6-Dinitro-2-methylphenol	10.45	198	128	5.014	ng	# 1
74) Fluoranthene	12.63	202	59822	3.957	ng	# 96
77) Pyrene	12.63	202	59822	6.520	ng	# 96
80) Benzo(a)anthracene	14.07	228	23692	3.103	ng	# 97
82) Chrysene	14.07	228	23692	3.196	ng	# 94
83) Bis(2-ethylhexyl)phthalate	14.02	149	45307	6.926	ng	# 89
87) Benzo(b)fluoranthene	15.16	252	30115	4.424	ng	# 1
88) Benzo(k)fluoranthene	15.16	252	30115	4.698	ng	# 1
89) Benzo(a)pyrene	15.54	252	16369	2.693	ng	# 1

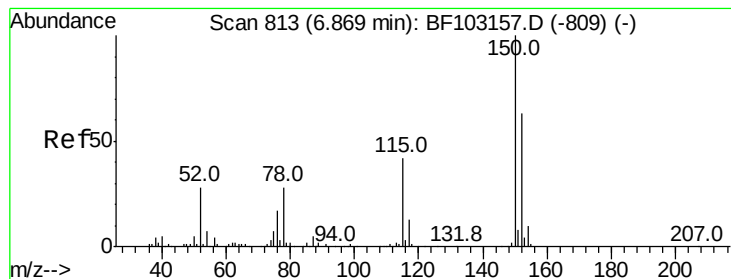
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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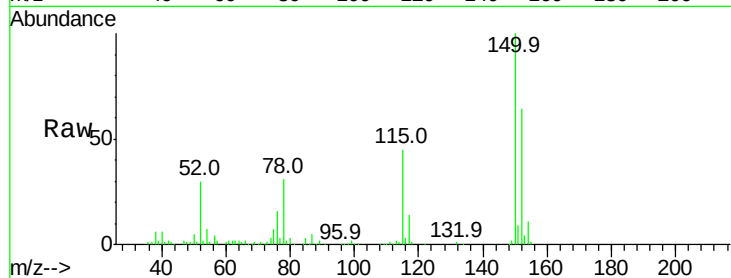


#1

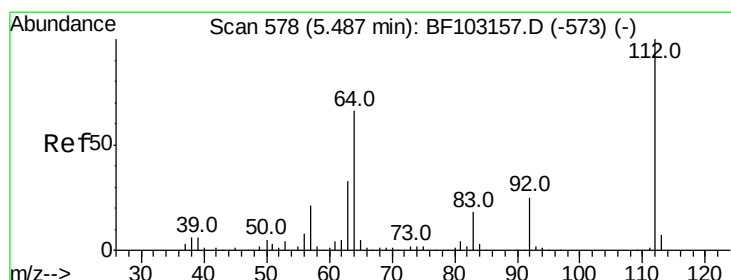
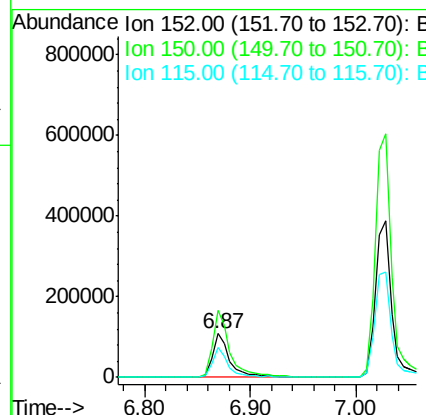
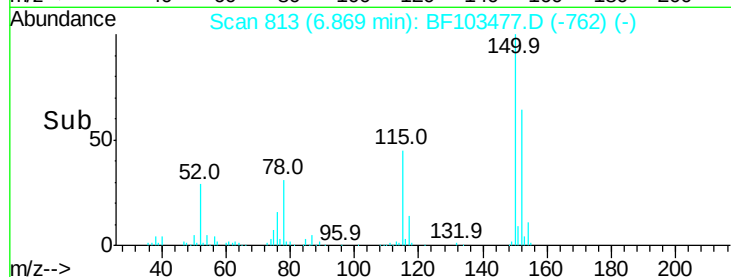
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103477.D
Acq: 7 Mar 2018 1:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 125175
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 69.2 50.1 75.1



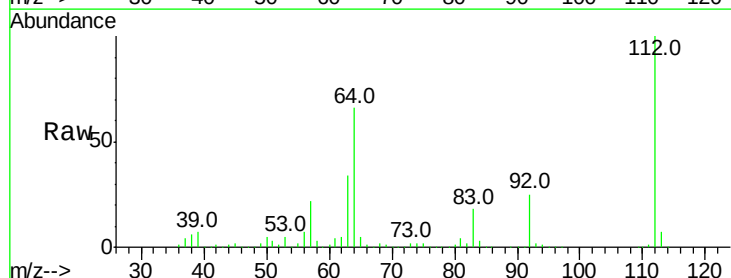
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



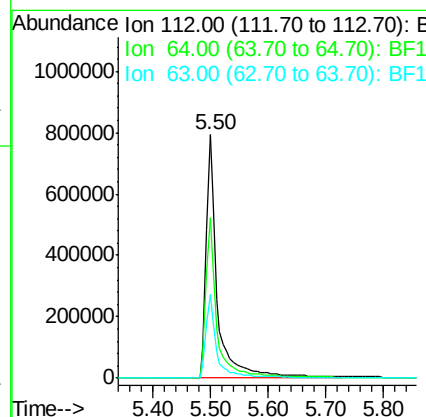
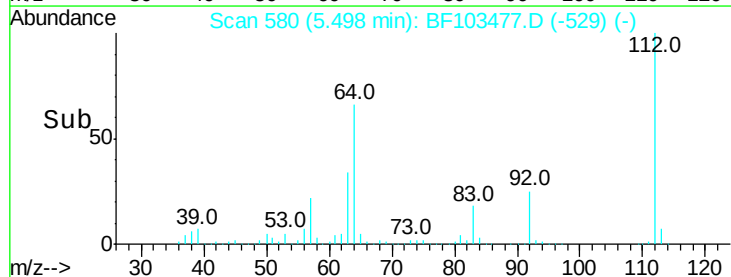
#5

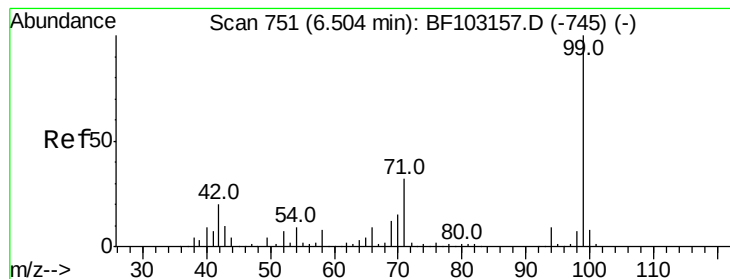
2-Fluorophenol
Concen: 133.812 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF103477.D
Acq: 7 Mar 2018 1:01

Tgt Ion:112 Resp: 1107485
Ion Ratio Lower Upper
112 100
64 65.9 47.9 71.9
63 34.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 131.835 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103477.D

Acq: 7 Mar 2018 1:01

Instrument :

BNA_F

ClientSampleId :

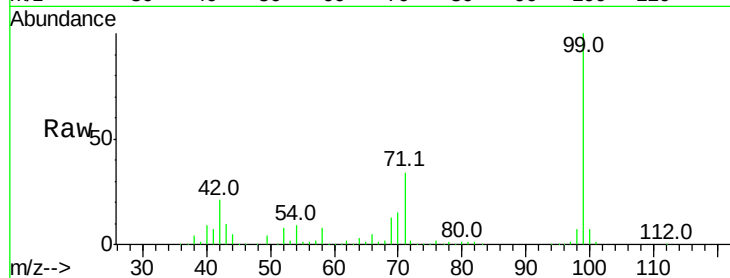
Tot Ion: 99 Resp: 1335150

Ion Ratio Lower Upper

99 100

42 21.1 14.5 21.7

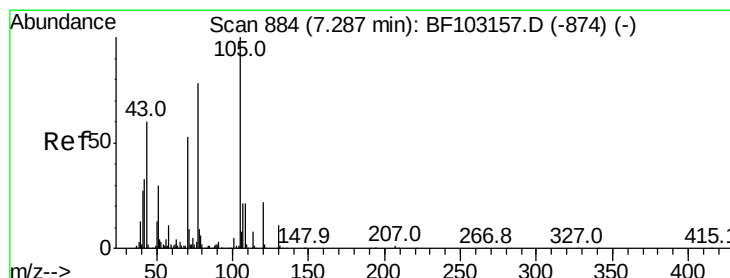
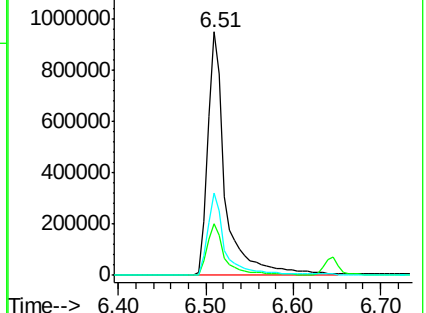
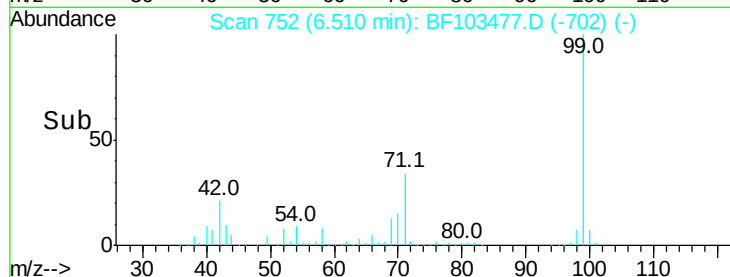
71 33.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 17.898 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103477.D

Acq: 7 Mar 2018 1:01

Tgt Ion: 70 Resp: 112809

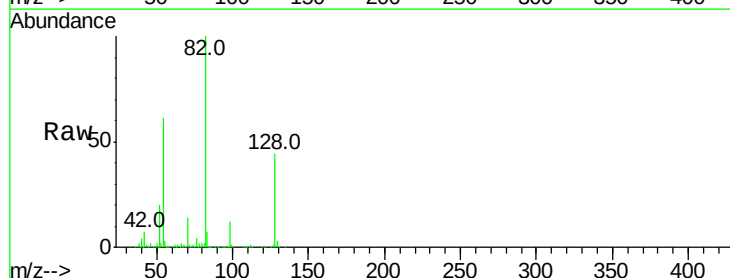
Ion Ratio Lower Upper

70 100

42 53.3 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

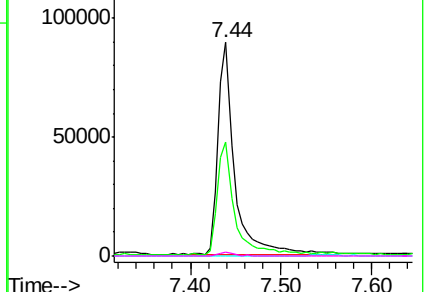
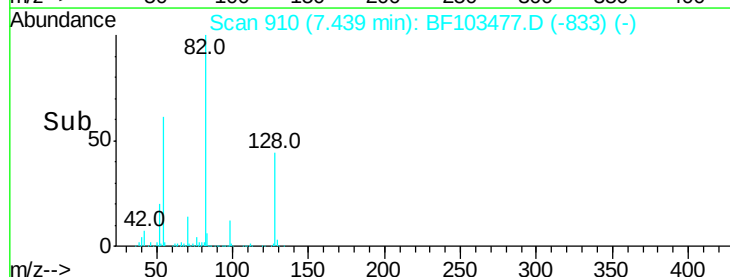


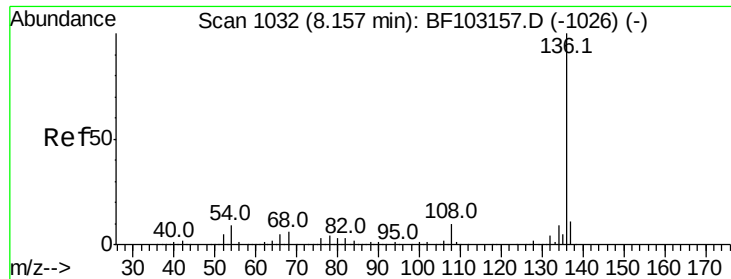
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

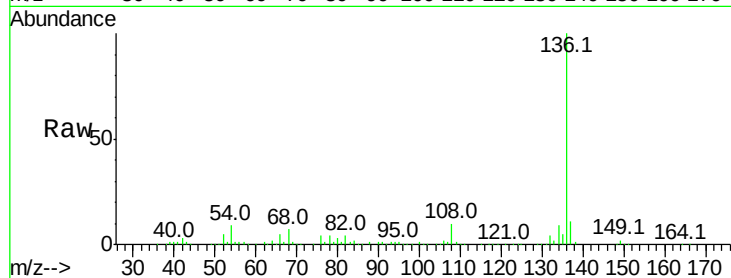




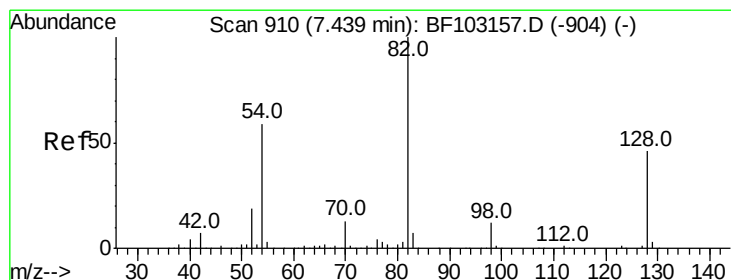
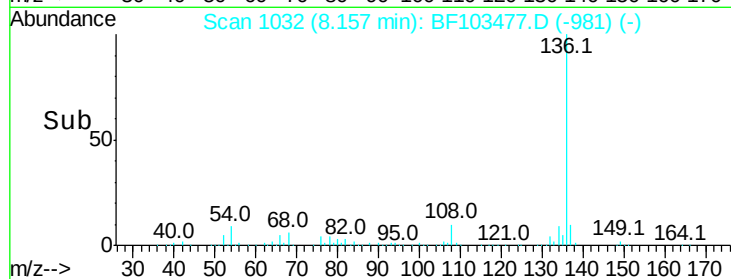
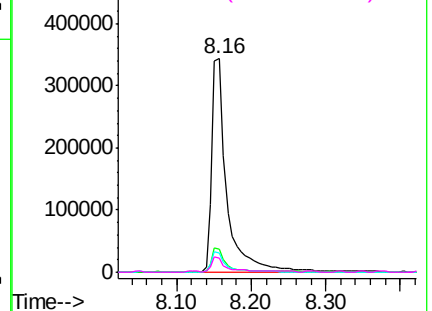
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103477.D
Acq: 7 Mar 2018 1:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	491452
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	9.1	6.6	9.8
68	6.5	5.0	7.4

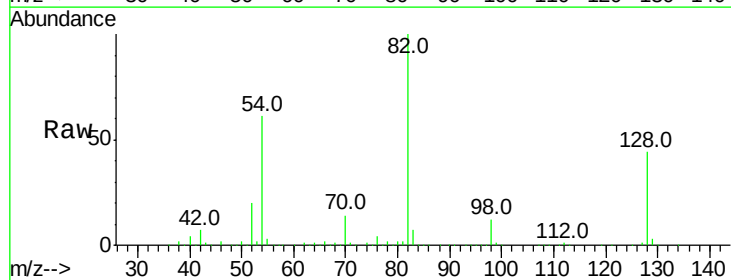


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

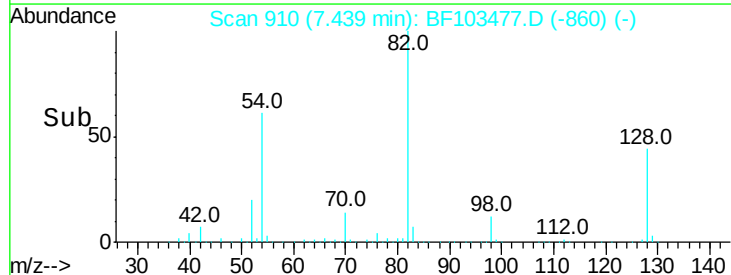
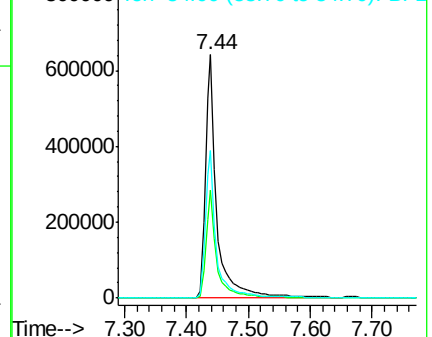


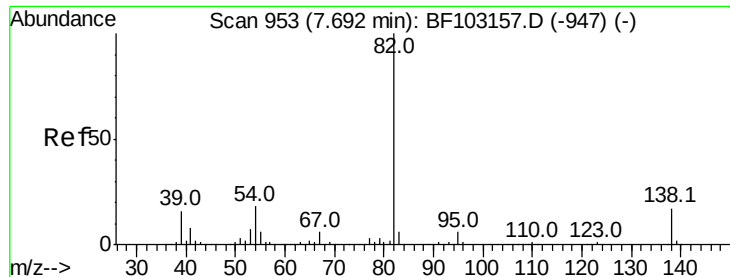
#23
Nitrobenzene-d5
Concen: 98.601 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103477.D
Acq: 7 Mar 2018 1:01

Tgt Ion:	82	Resp:	848516
Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.1	54.1
54	60.6	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 50.063 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103477.D

Acq: 7 Mar 2018 1:01

Instrument :

BNA_F

ClientSampleId :

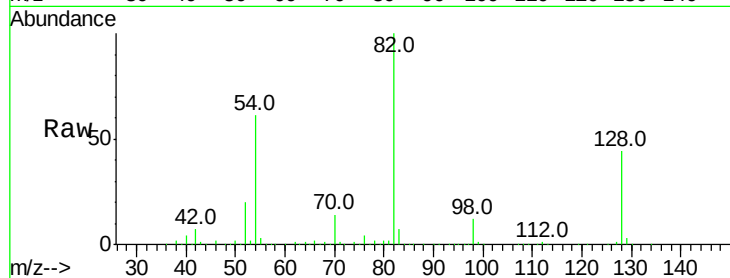
Tot Ion: 82 Resp: 848516

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

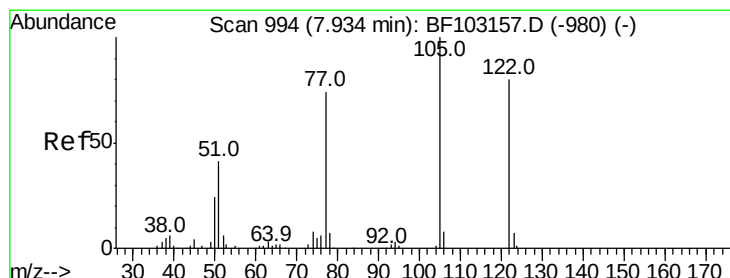
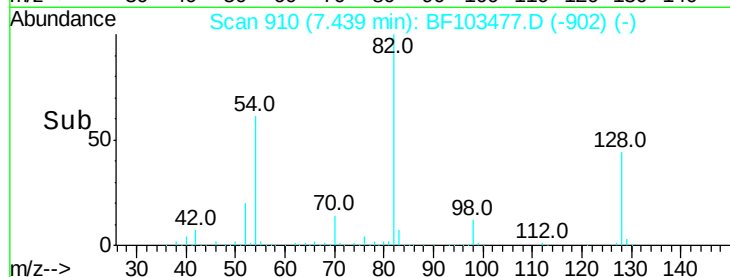
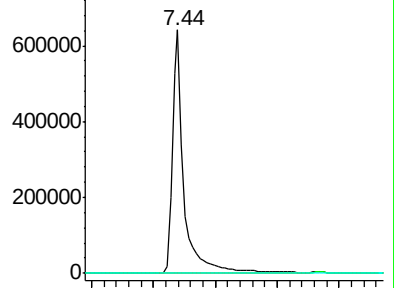
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 6.966 ng

RT: 8.06 min Scan# 1015

Delta R.T. 0.09 min

Lab File: BF103477.D

Acq: 7 Mar 2018 1:01

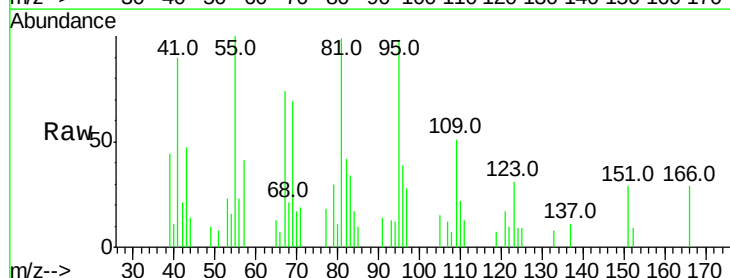
Tgt Ion:122 Resp: 309

Ion Ratio Lower Upper

122 100

105 150.9 101.1 141.1#

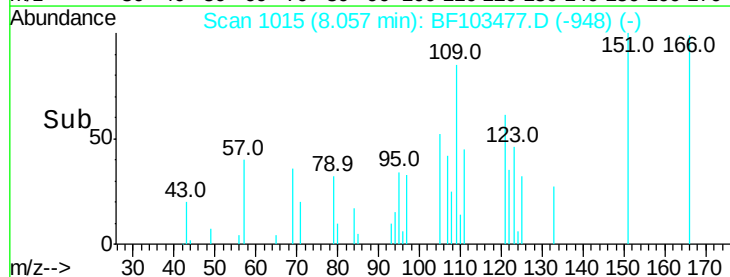
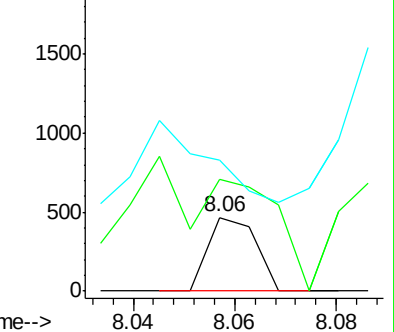
77 176.3 70.7 110.7#

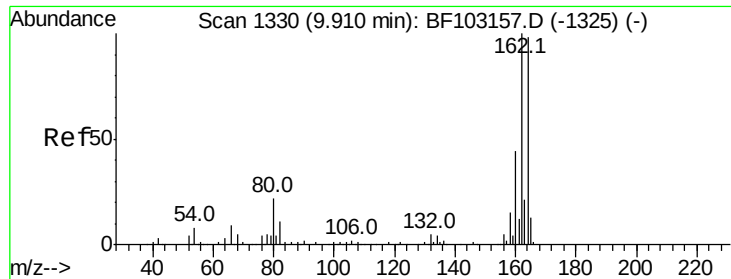


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

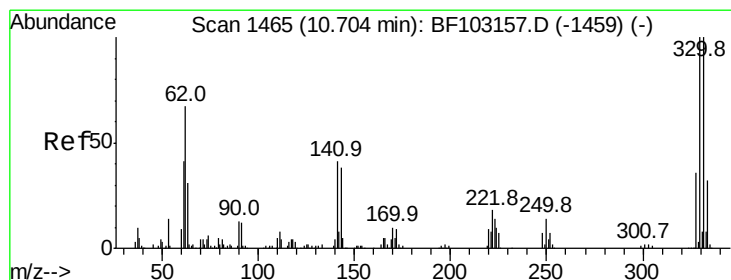
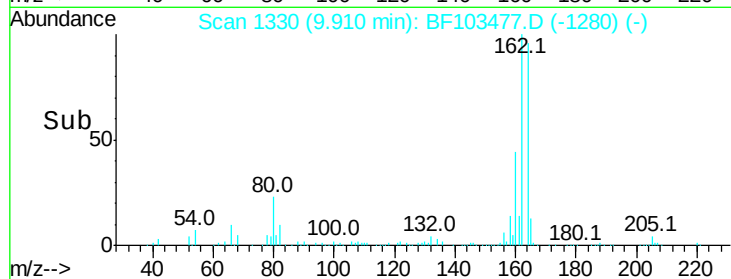
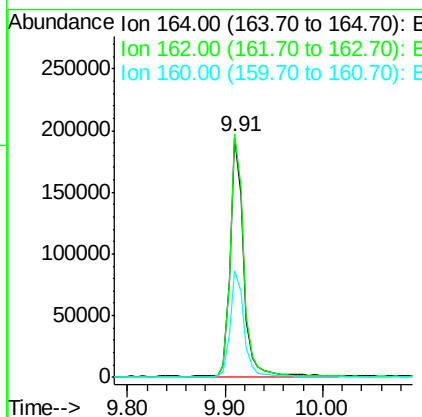
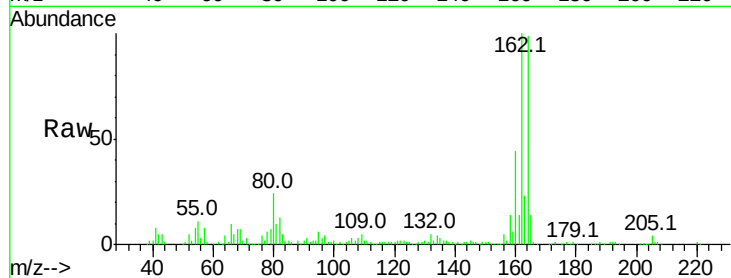




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF103477.D
 Acq: 7 Mar 2018 1:01

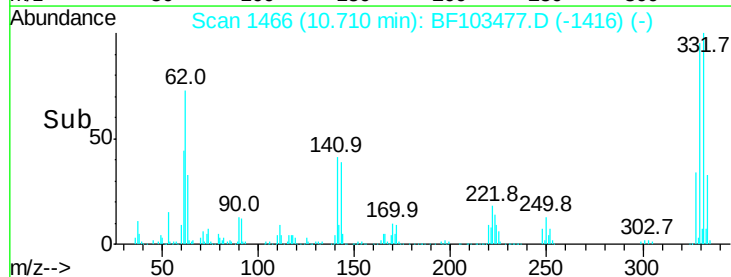
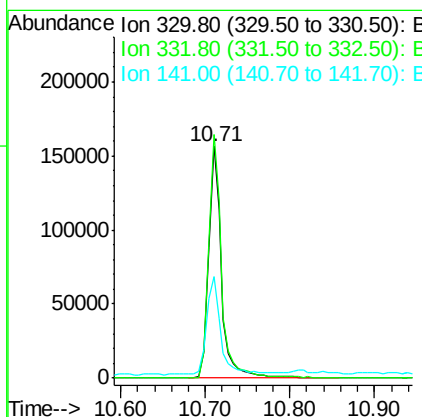
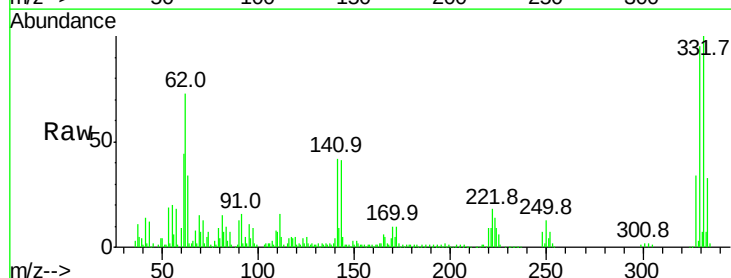
Instrument :
 BNA_F
 ClientSampleId :

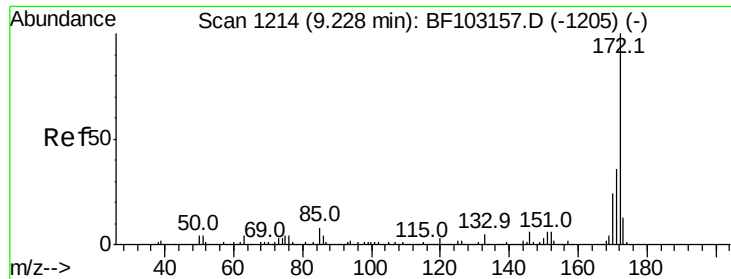
Tot Ion:164 Resp: 184819
 Ion Ratio Lower Upper
 164 100
 162 101.3 86.1 129.1
 160 44.5 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 107.355 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103477.D
 Acq: 7 Mar 2018 1:01

Tgt Ion:330 Resp: 167945
 Ion Ratio Lower Upper
 330 100
 332 104.9 77.0 115.6
 141 45.4 29.9 44.9#

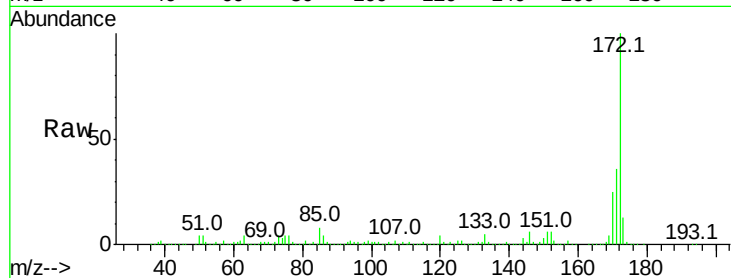




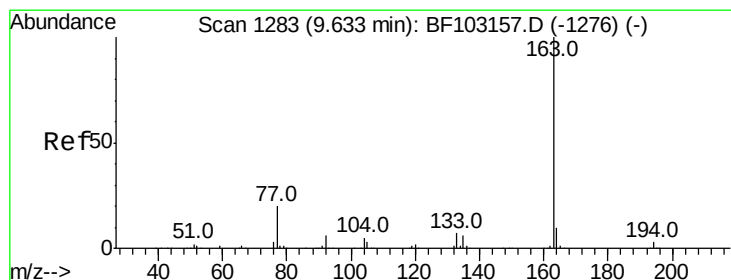
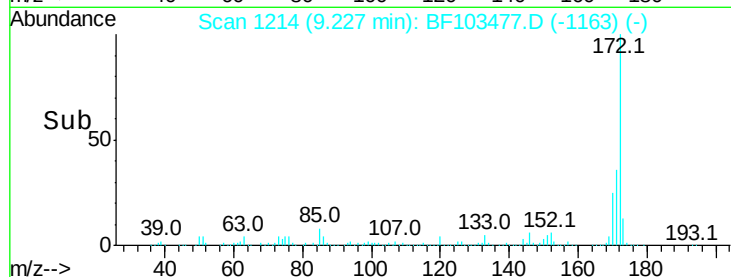
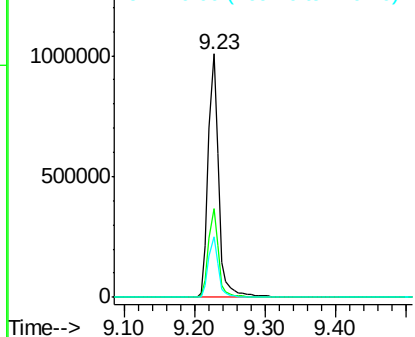
#44
2-Fluorobiphenyl
Concen: 101.143 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.00 min
Lab File: BF103477.D
Acq: 7 Mar 2018 1:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1037688
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.6 19.6 29.4

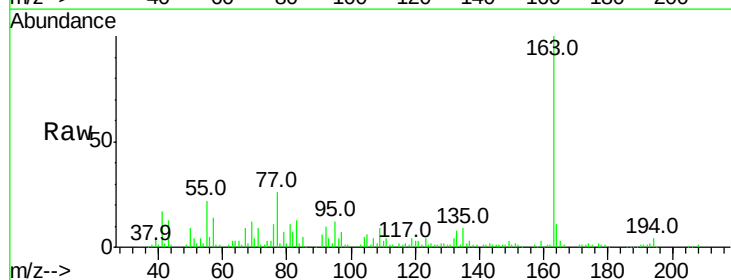


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

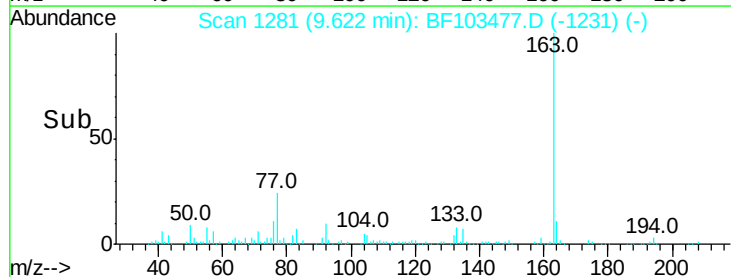
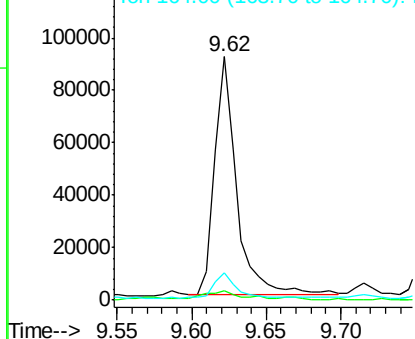


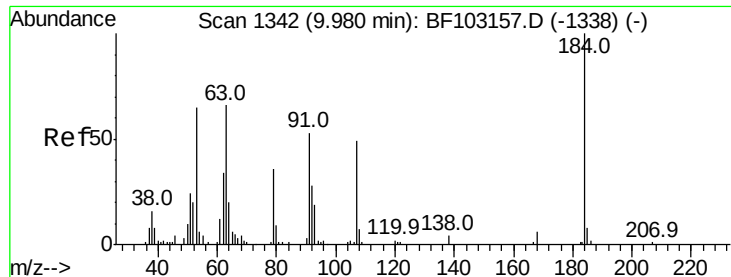
#49
Dimethylphthalate
Concen: 6.327 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103477.D
Acq: 7 Mar 2018 1:01

Tgt Ion:163 Resp: 93811
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 11.0 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#53

2,4-Dinitrophenol

Concen: 9.821 ng

RT: 10.24 min Scan# 1386

Delta R.T. 0.23 min

Lab File: BF103477.D

Acq: 7 Mar 2018 1:01

Instrument :

BNA_F

ClientSampled :

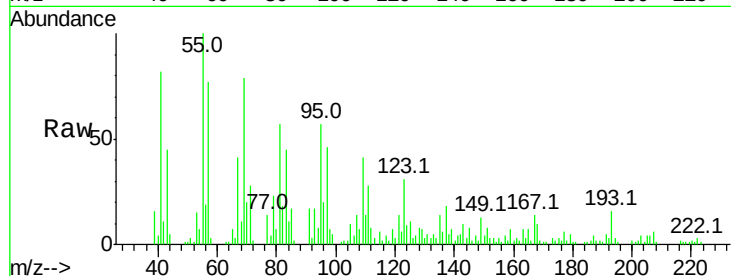
Tot Ion:184 Resp: 255

Ion Ratio Lower Upper

184 100

63 119.2 54.2 81.2#

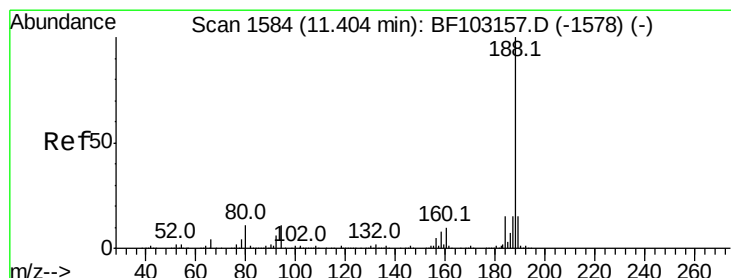
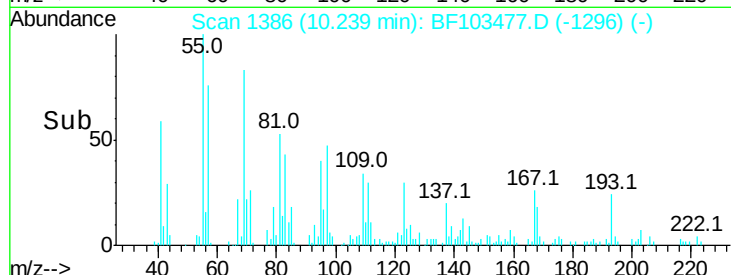
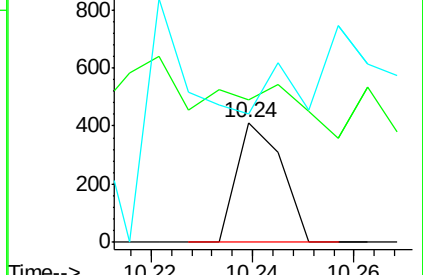
154 106.8 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF103477.D

Acq: 7 Mar 2018 1:01

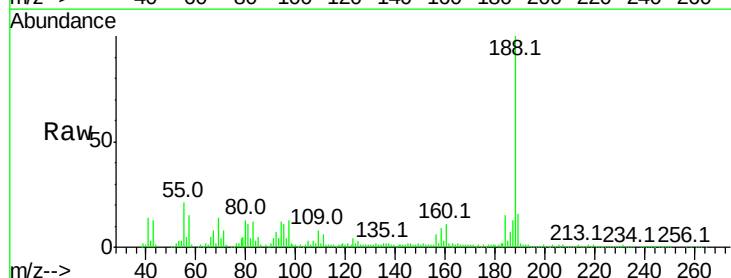
Tgt Ion:188 Resp: 273391

Ion Ratio Lower Upper

188 100

94 12.4 8.5 12.7

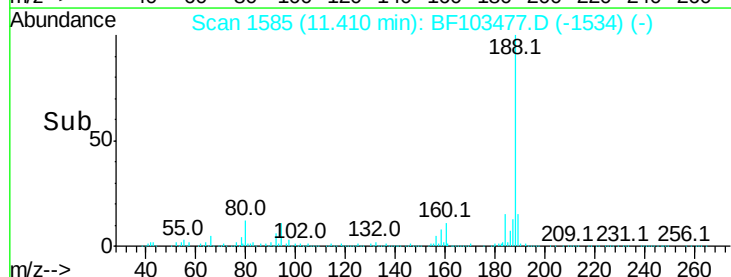
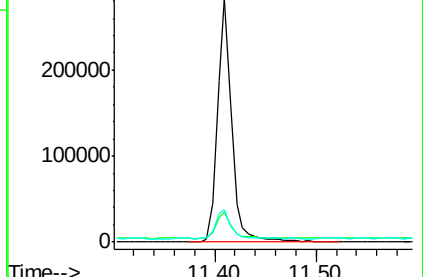
80 13.4 9.2 13.8

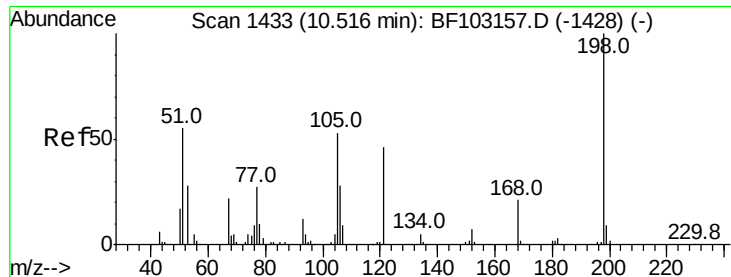


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

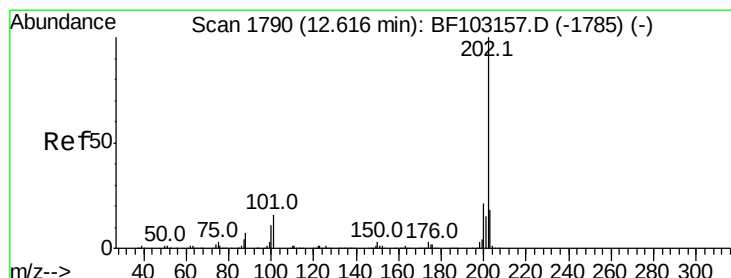
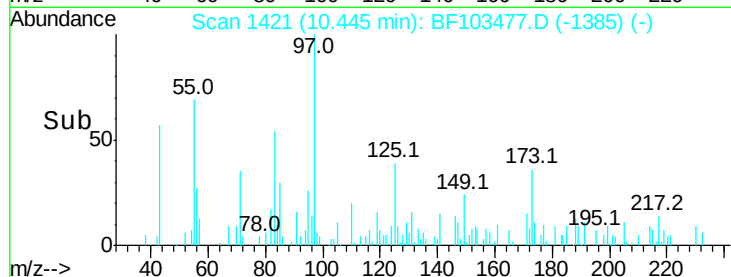
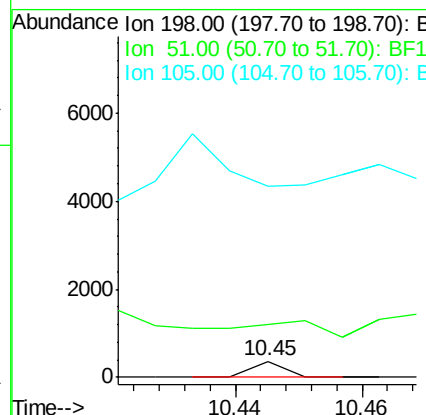
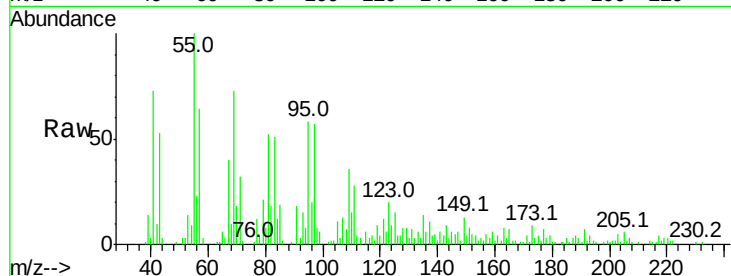




#64
4,6-Dinitro-2-methylphenol
Concen: 5.014 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.09 min
Lab File: BF103477.D
Acq: 7 Mar 2018 1:01

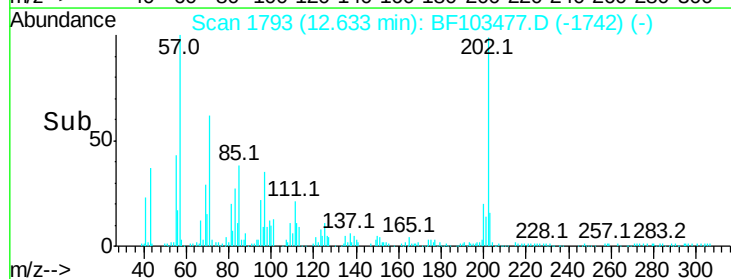
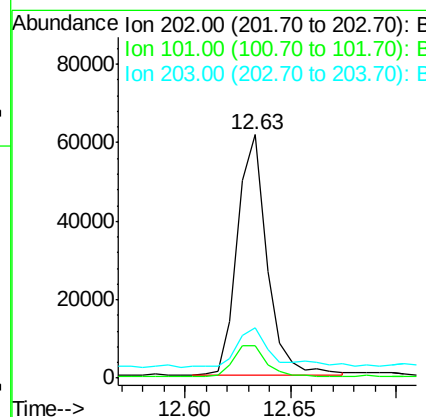
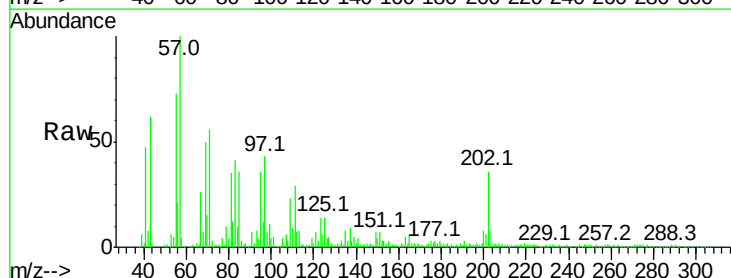
Instrument :
BNA_F
ClientSampleId :

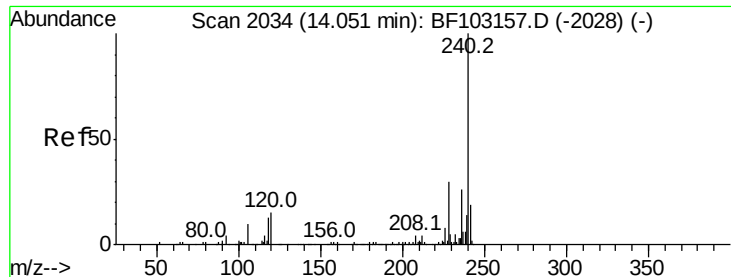
Tot Ion:198 Resp: 128
Ion Ratio Lower Upper
198 100
51 330.7 37.7 77.7#
105 1198.3 36.3 76.3#



#74
Fluoranthene
Concen: 3.957 ng
RT: 12.63 min Scan# 1793
Delta R.T. 0.00 min
Lab File: BF103477.D
Acq: 7 Mar 2018 1:01

Tgt Ion:202 Resp: 59822
Ion Ratio Lower Upper
202 100
101 13.3 0.0 34.1
203 20.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.01 min

Lab File: BF103477.D

Acq: 7 Mar 2018 1:01

Instrument :

BNA_F

ClientSampleId :

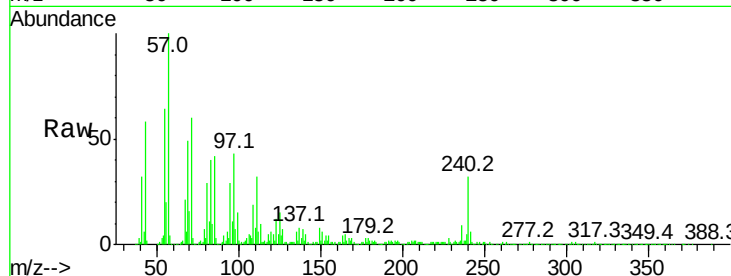
Tot Ion:240 Resp: 117683

Ion Ratio Lower Upper

240 100

120 18.1 9.5 14.3#

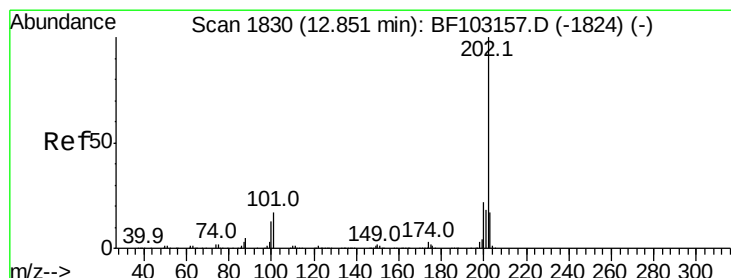
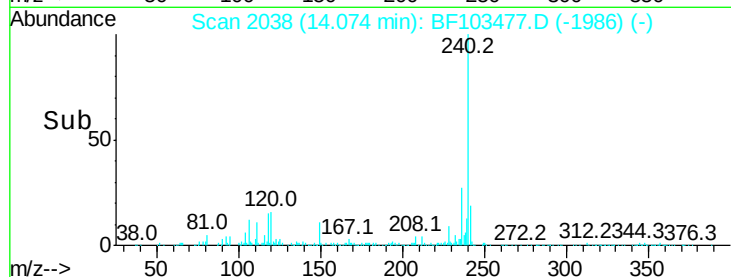
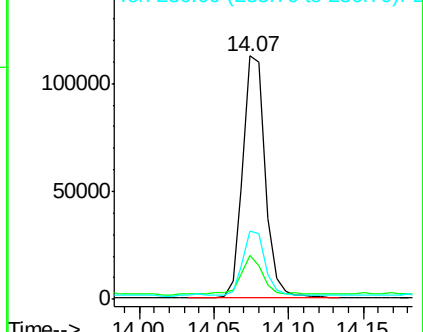
236 27.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.520 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.23 min

Lab File: BF103477.D

Acq: 7 Mar 2018 1:01

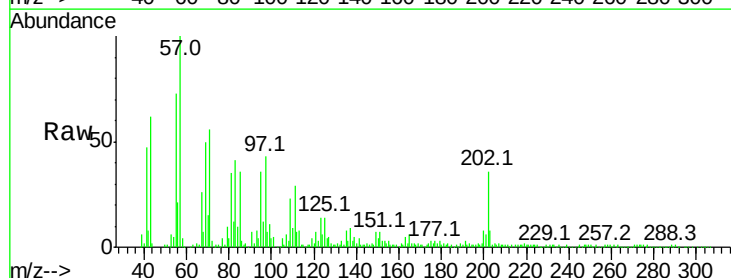
Tgt Ion:202 Resp: 59822

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

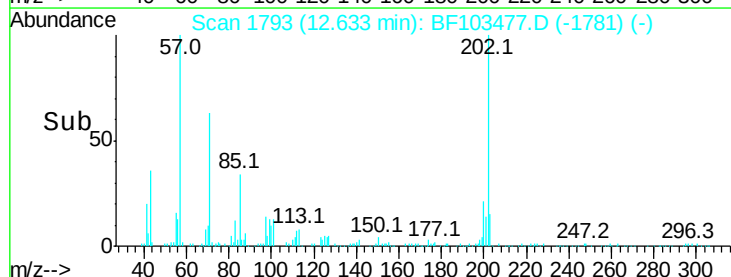
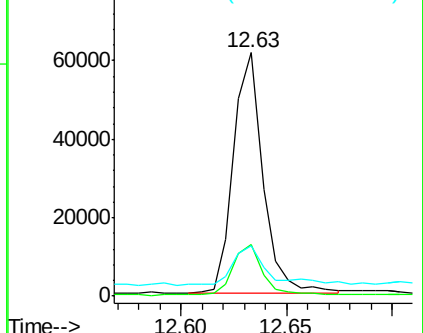
203 20.7 14.3 21.5

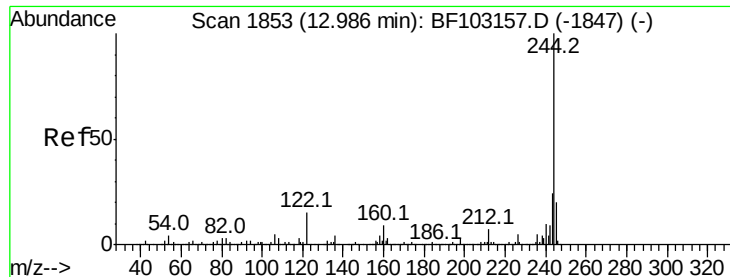


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 128.063 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF103477.D

Acq: 7 Mar 2018 1:01

Instrument :

BNA_F

ClientSampleId :

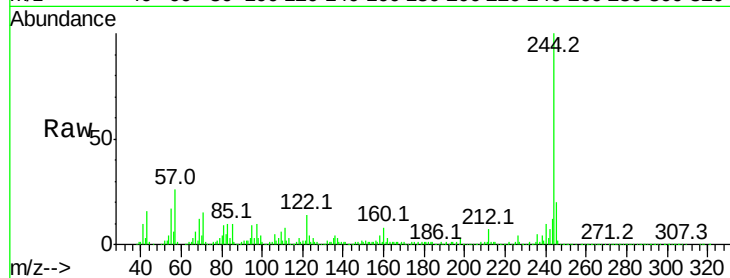
Tot Ion:244 Resp: 626941

Ion Ratio Lower Upper

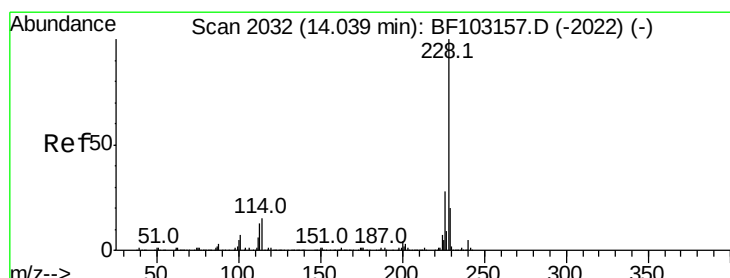
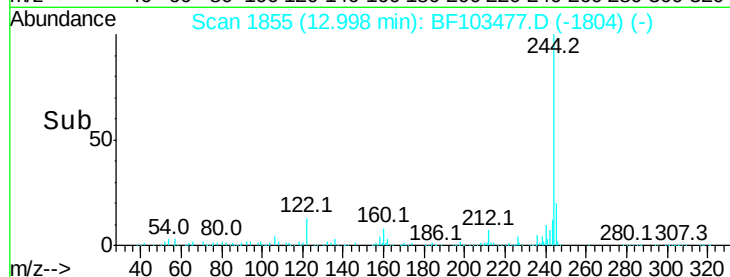
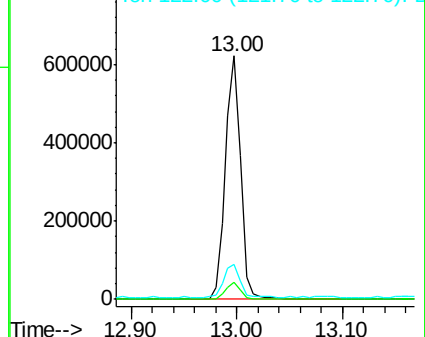
244 100

212 6.9 5.4 8.0

122 14.3 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 3.103 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.01 min

Lab File: BF103477.D

Acq: 7 Mar 2018 1:01

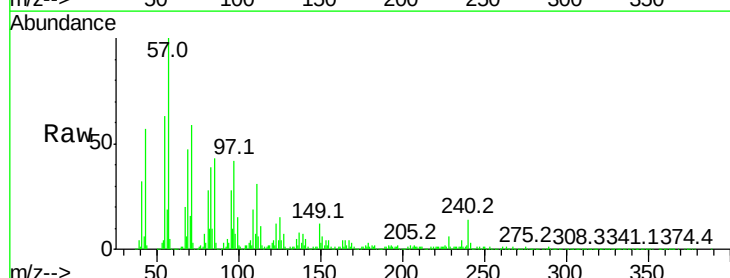
Tgt Ion:228 Resp: 23692

Ion Ratio Lower Upper

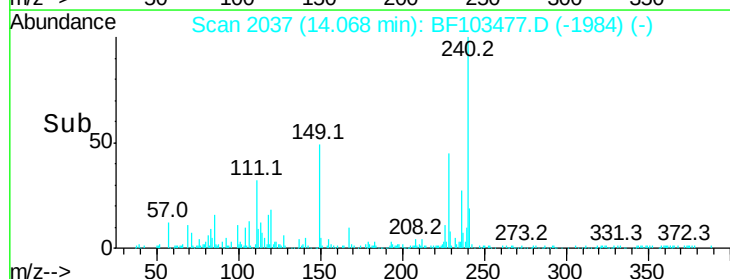
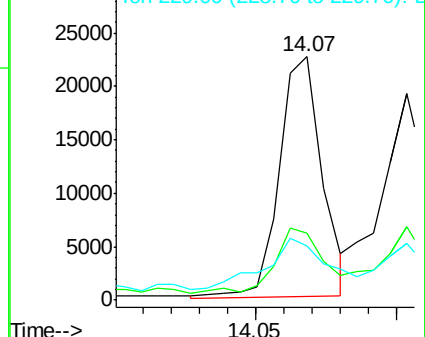
228 100

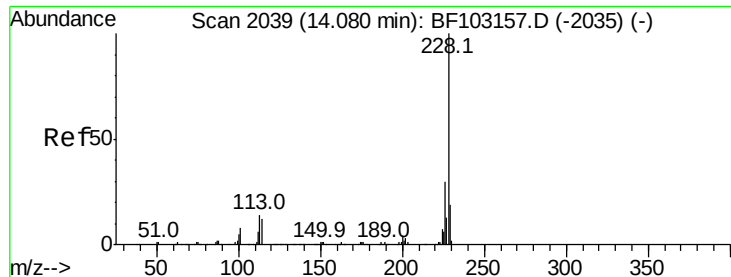
226 27.4 22.6 33.8

229 22.4 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

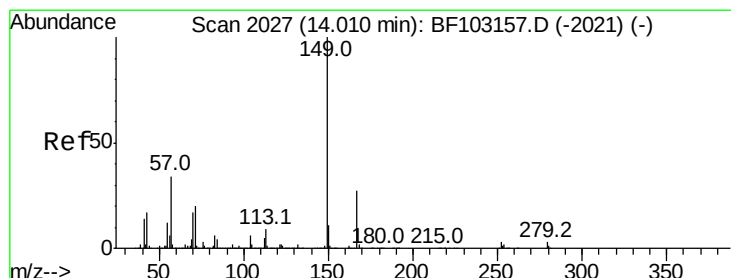
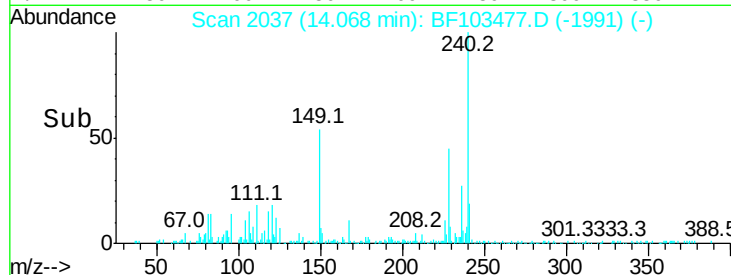
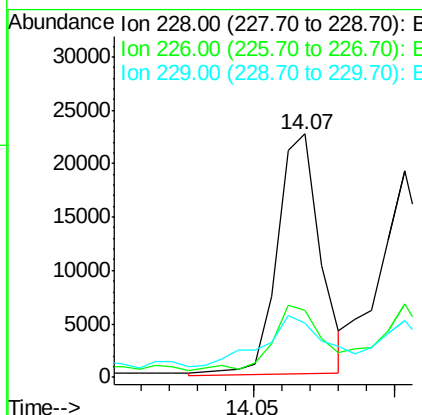
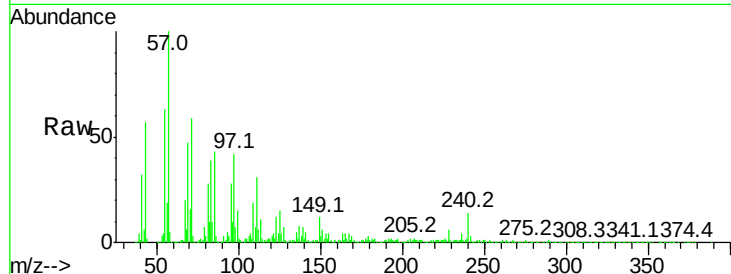




#82
 Chrysene
 Concen: 3.196 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. -0.03 min
 Lab File: BF103477.D
 Acq: 7 Mar 2018 1:01

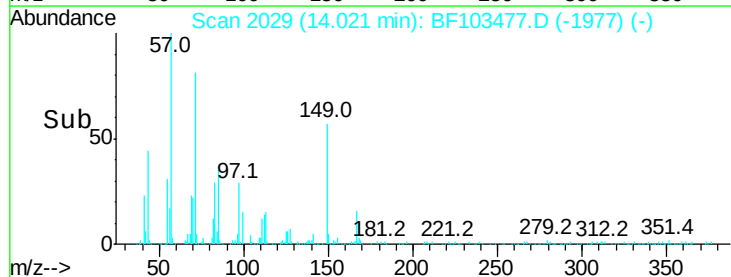
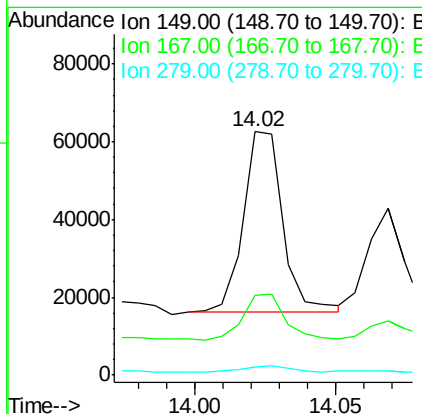
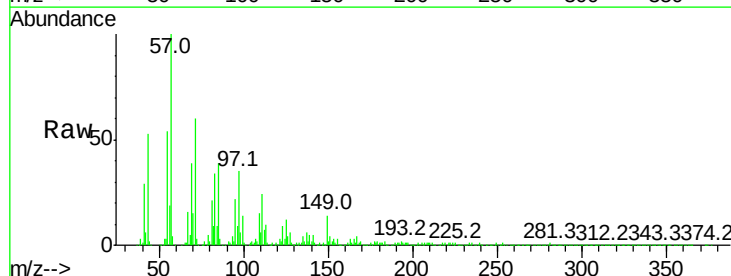
Instrument :
 BNA_F
 ClientSampleId :

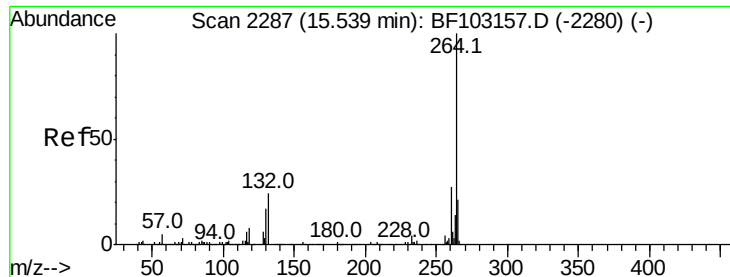
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	25.0	37.6
229	22.4	16.2	24.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.926 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.01 min
 Lab File: BF103477.D
 Acq: 7 Mar 2018 1:01

Tgt Ion	Ratio	Lower	Upper
149	100		
167	32.8	21.3	31.9#
279	3.3	3.0	4.4

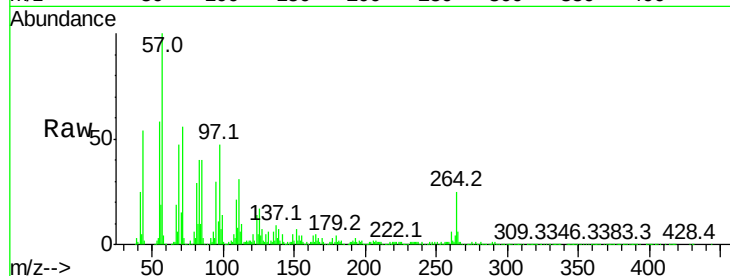




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.61 min Scan# 2299
 Delta R.T. 0.04 min
 Lab File: BF103477.D
 Acq: 7 Mar 2018 1:01

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.2	28.8
265	23.6	17.5	26.3

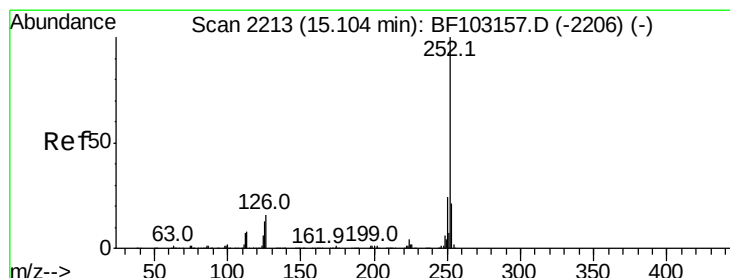
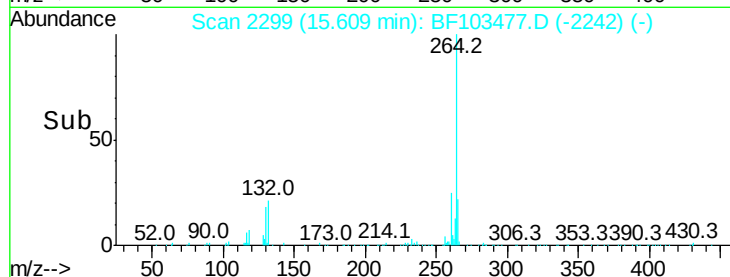
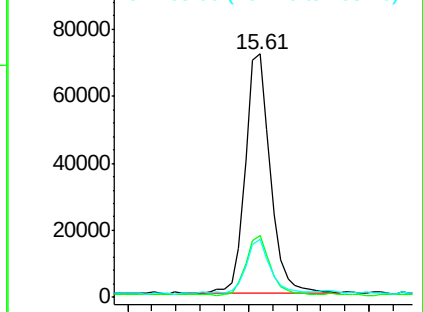


Abundance

Ion 264.00 (263.70 to 264.70): E

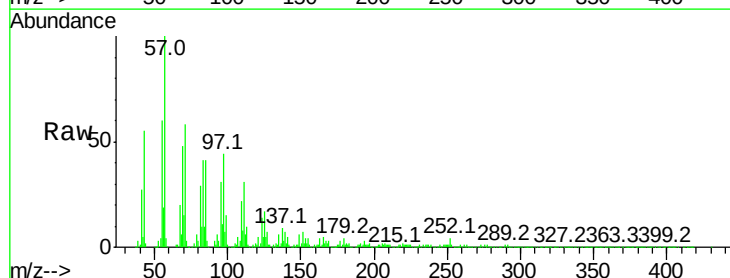
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
 Benzo(b)fluoranthene
 Concen: 4.424 ng
 RT: 15.16 min Scan# 2222
 Delta R.T. 0.02 min
 Lab File: BF103477.D
 Acq: 7 Mar 2018 1:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.8	17.0	25.6#
125	394.8	9.0	13.6#

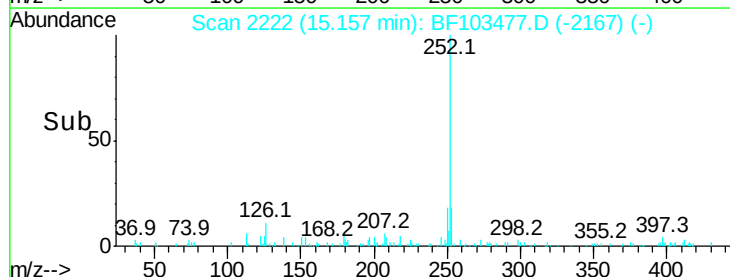
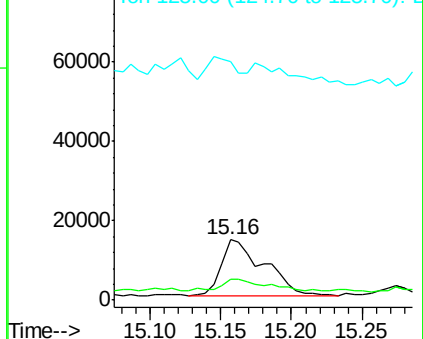


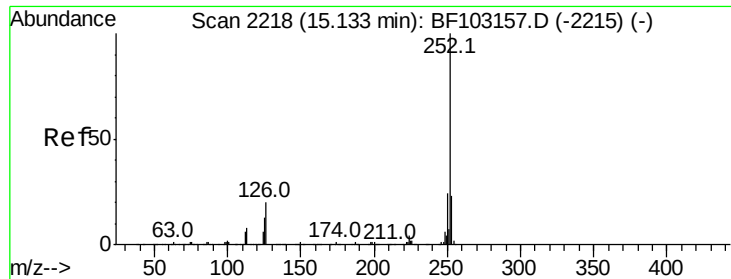
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

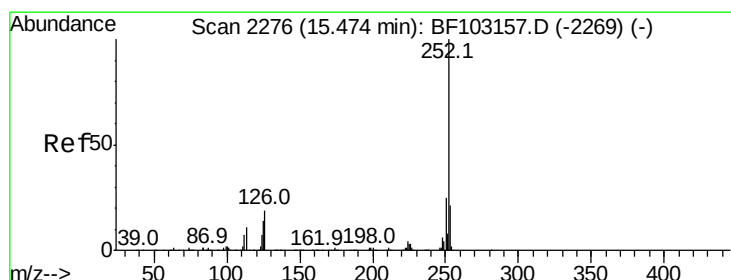
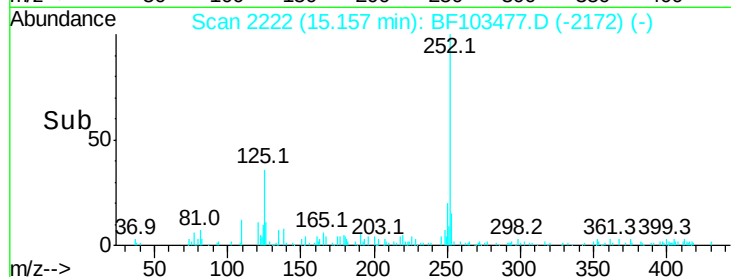
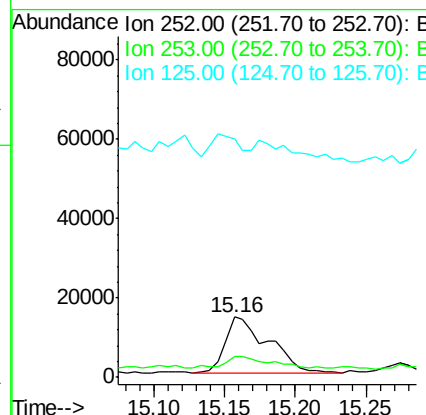
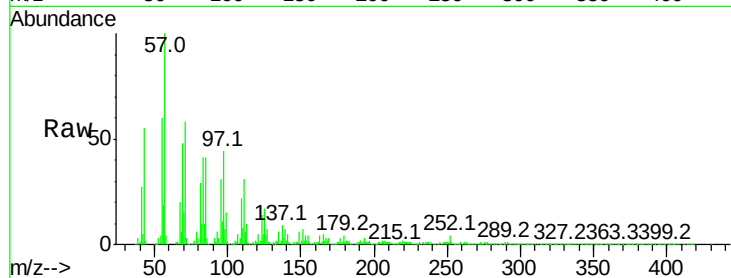




#88
Benzo(k)fluoranthene
Concen: 4.698 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF103477.D
Acq: 7 Mar 2018 1:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 30115
Ion Ratio Lower Upper
252 100
253 33.8 17.9 26.9#
125 394.8 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.693 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.03 min
Lab File: BF103477.D
Acq: 7 Mar 2018 1:01

Tgt Ion:252 Resp: 16369
Ion Ratio Lower Upper
252 100
253 40.1 17.1 25.7#
125 430.3 9.8 14.6#

