

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011718\
 Data File : BF102177.D
 Acq On : 18 Jan 2018 4:36
 Operator : SJ/JU
 Sample : J1144-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 18 05:03:03 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	160586	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	617738	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	256598	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	370781	20.00	ng	0.00
75) Chrysene-d12	13.86	240	271791	20.00	ng	-0.01
86) Perylene-d12	15.28	264	274707	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	1086359	95.53	ng	0.01
7) Phenol-d6	6.36	99	1286377	94.81	ng	0.00
23) Nitrobenzene-d5	7.29	82	787103	74.88	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	230785	103.06	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1255824	76.46	ng	0.00
78) Terphenyl-d14	12.82	244	795522	60.77	ng	0.00

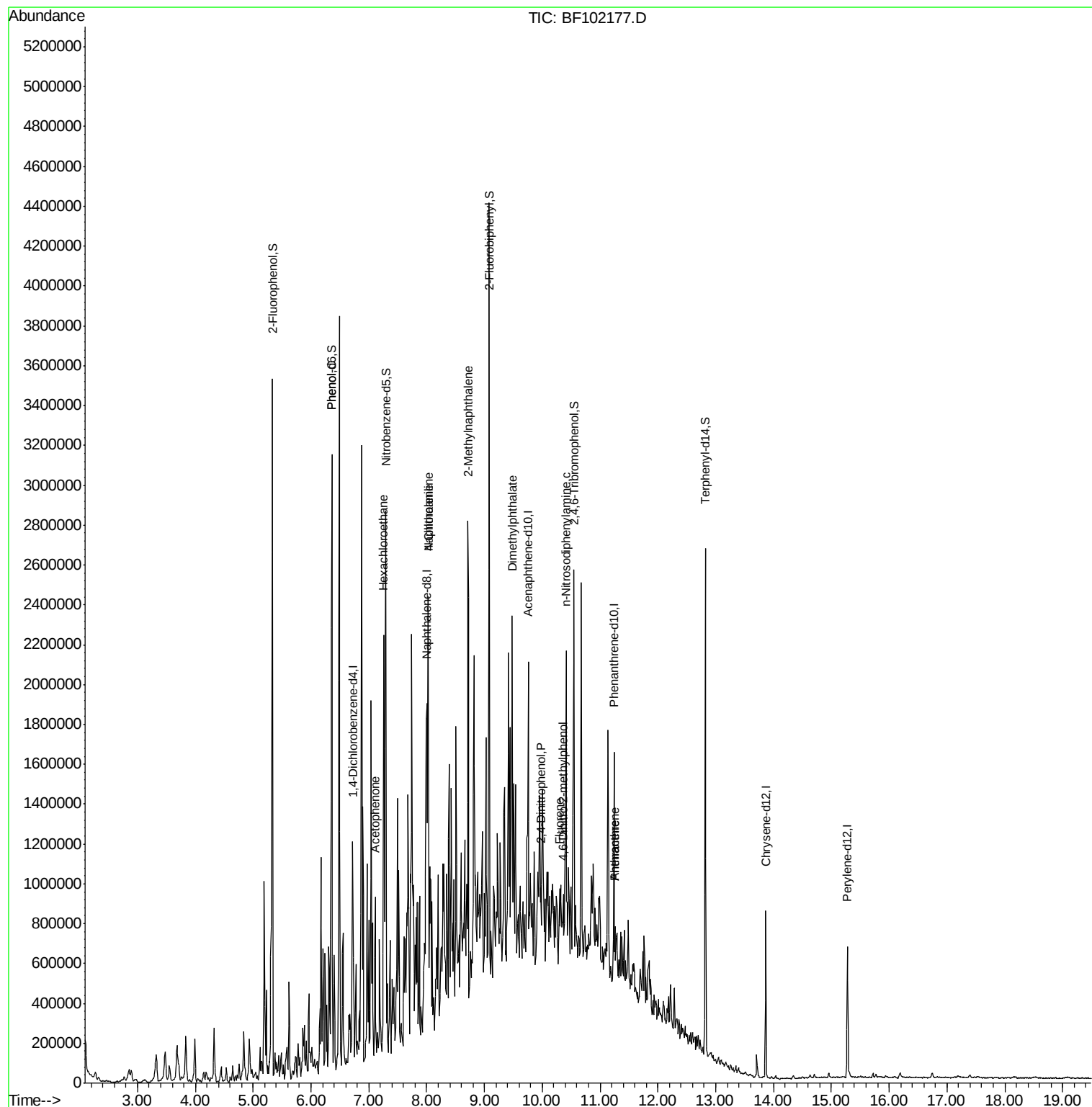
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	56879	3.709	ng	96
18) Hexachloroethane	7.26	117	123222	26.671	ng	# 1
22) Acetophenone	7.12	105	151642	10.188	ng	# 58
31) Naphthalene	8.03	128	671205	21.745	ng	99
33) 4-Chloroaniline	8.03	127	97298	7.385	ng	# 38
37) 2-Methylnaphthalene	8.72	142	660423	32.500	ng	99
49) Dimethylphthalate	9.47	163	115796	5.625	ng	# 98
53) 2,4-Dinitrophenol	9.97	184	733	9.074	ng	# 1
57) Fluorene	10.30	166	41643	2.591	ng	# 86
64) 4,6-Dinitro-2-methylphenol	10.36	198	618	5.933	ng	# 1
65) n-Nitrosodiphenylamine	10.41	169	47005	3.385	ng	# 56
70) Phenanthrene	11.26	178	88521	4.087	ng	98
71) Anthracene	11.26	178	88521	4.030	ng	97

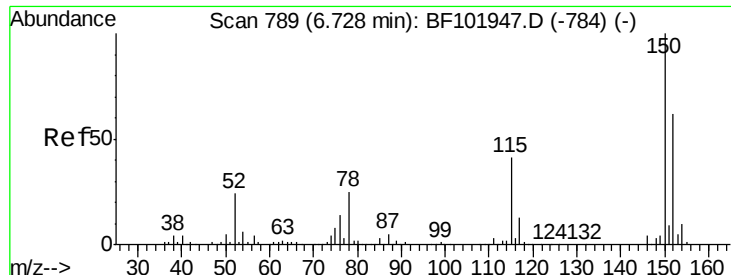
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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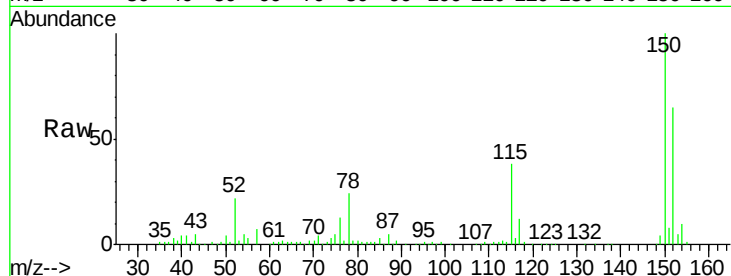


#1

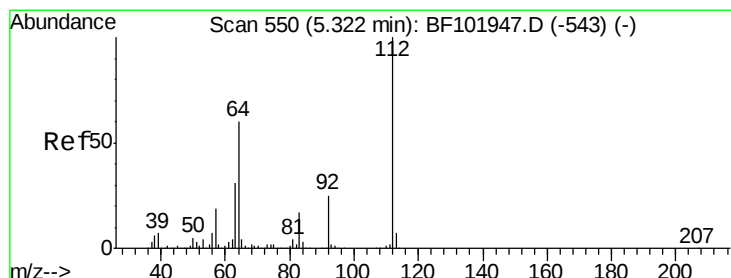
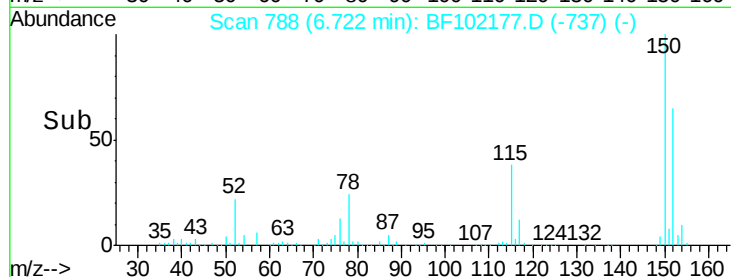
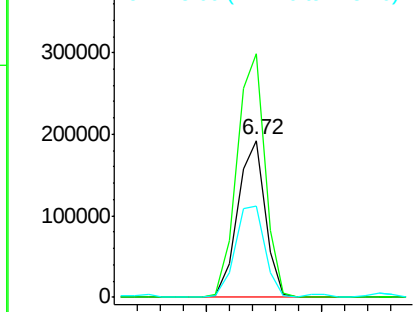
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF102177.D
Acq: 18 Jan 2018 4:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.6	186.8
115	58.1	50.1	75.1



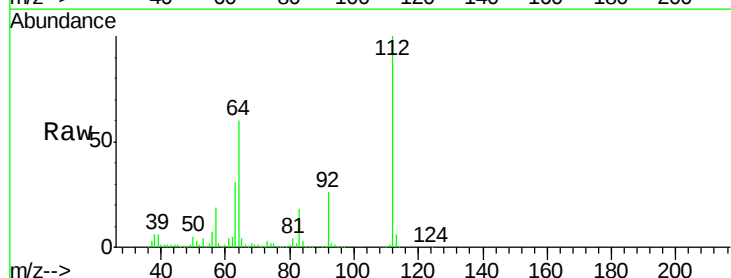
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



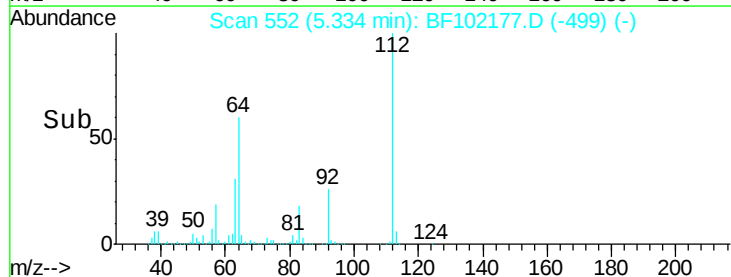
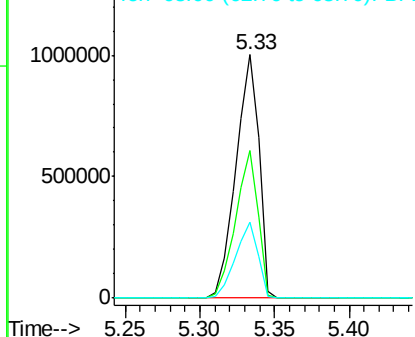
#5

2-Fluorophenol
Concen: 95.527 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102177.D
Acq: 18 Jan 2018 4:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	47.9	71.9
63	31.2	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: 94.807 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102177.D

Acq: 18 Jan 2018 4:36

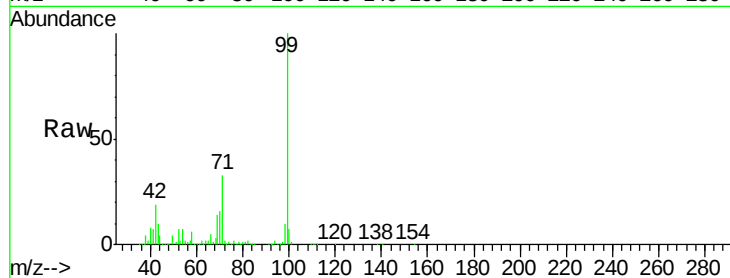
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1286377

Ion	Ratio	Lower	Upper
99	100		
42	18.8	14.5	21.7
71	33.4	25.4	38.0



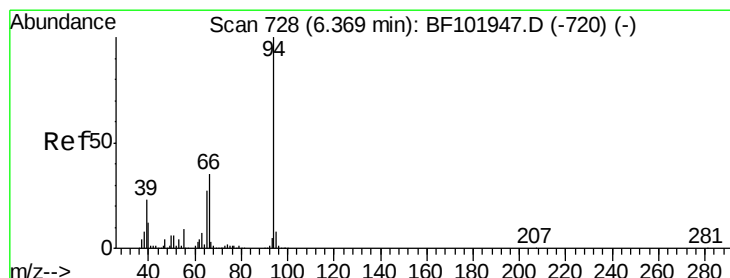
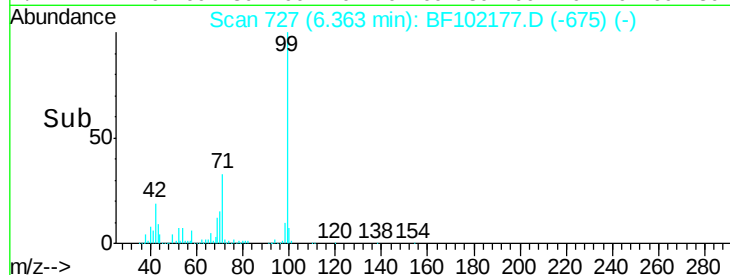
Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#10

Phenol

Concen: 3.709 ng

RT: 6.37 min Scan# 728

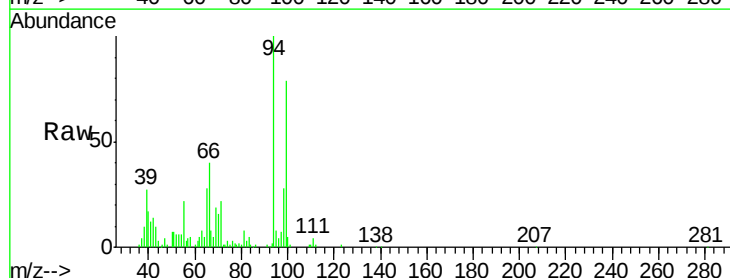
Delta R.T. -0.01 min

Lab File: BF102177.D

Acq: 18 Jan 2018 4:36

Tgt Ion: 94 Resp: 56879

Ion	Ratio	Lower	Upper
94	100		
65	28.1	7.9	47.9
66	40.1	16.2	56.2



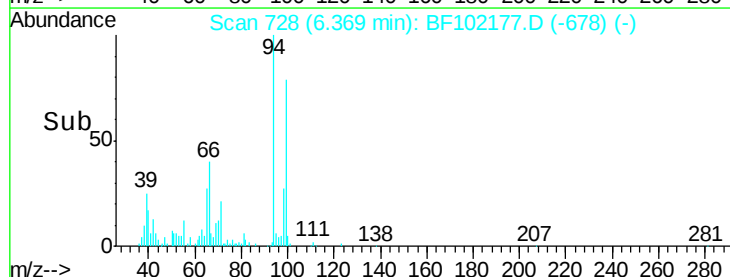
Abundance Ion 94.00 (93.70 to 94.70): BF1

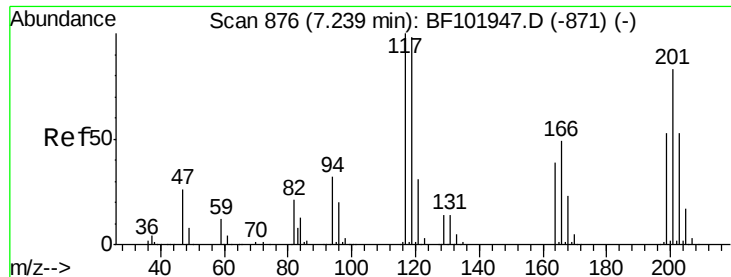
Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



Time-->

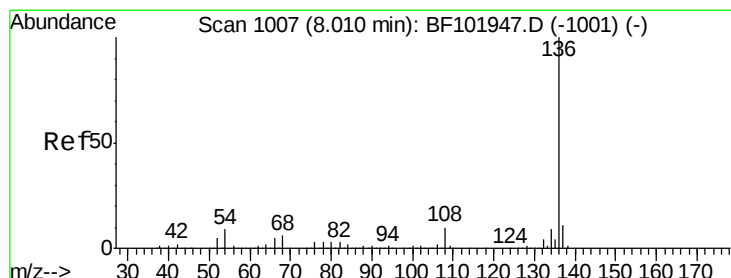
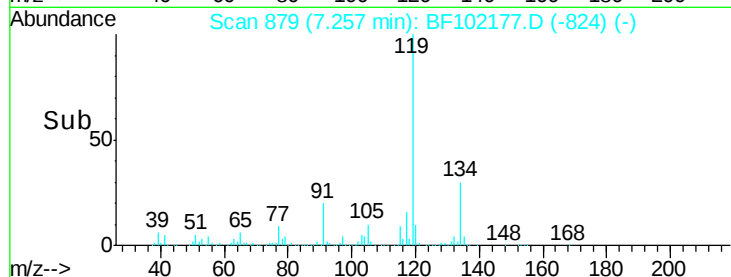
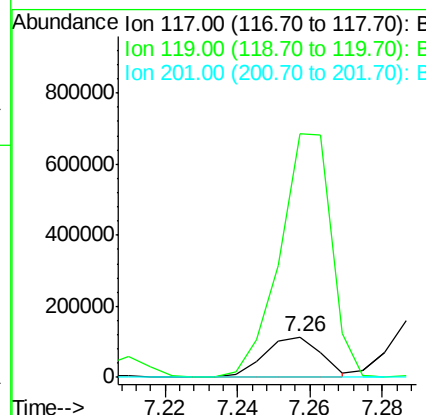
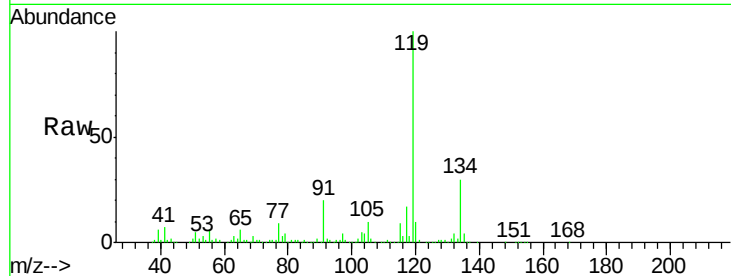




#18
Hexachloroethane
Concen: 26.671 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.02 min
Lab File: BF102177.D
Acq: 18 Jan 2018 4:36

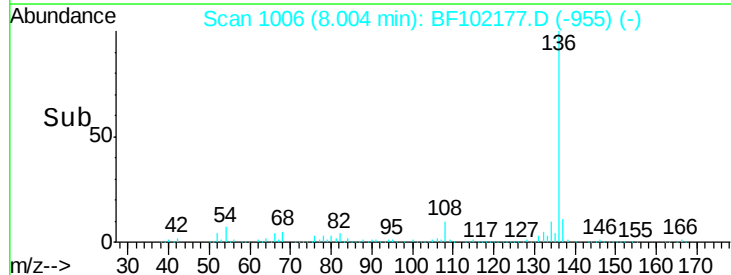
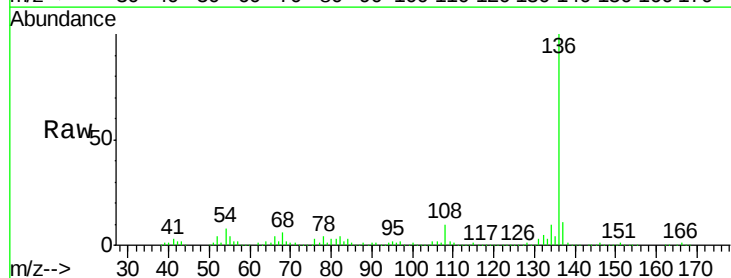
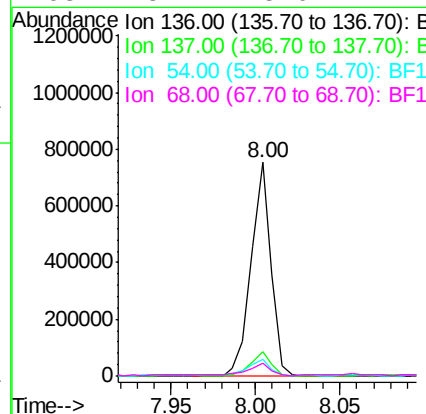
Instrument :
BNA_F
ClientSampleId :

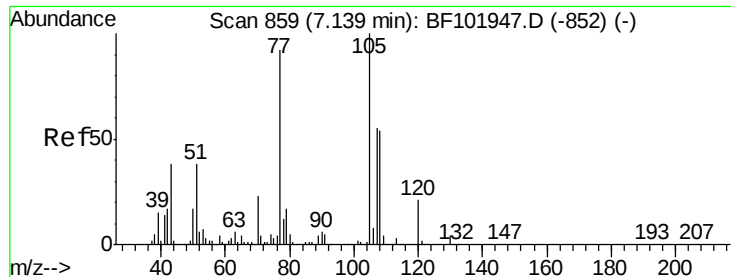
Tot Ion:117 Resp: 123222
Ion Ratio Lower Upper
117 100
119 605.6 75.8 113.8#
201 0.0 75.7 113.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BF102177.D
Acq: 18 Jan 2018 4:36

Tgt Ion:136 Resp: 617738
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 7.7 6.6 9.8
68 5.7 5.0 7.4

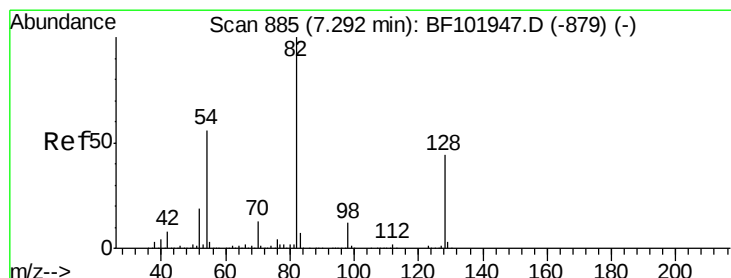
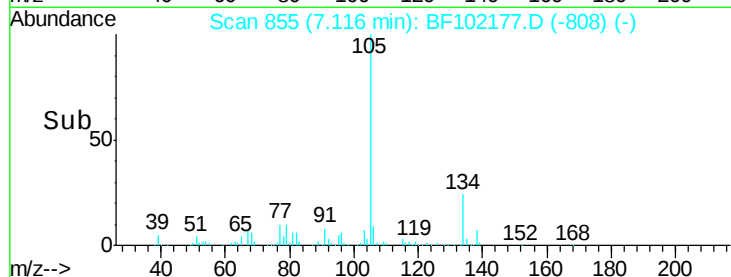
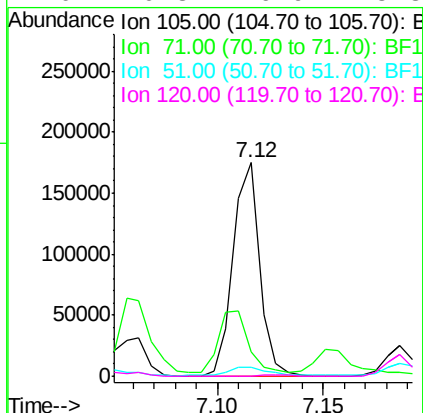
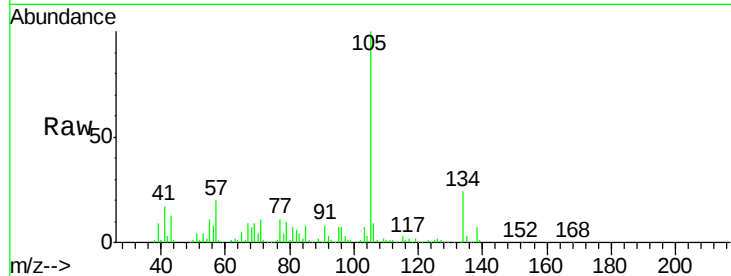




#22
Acetophenone
Concen: 10.188 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.02 min
Lab File: BF102177.D
Acq: 18 Jan 2018 4:36

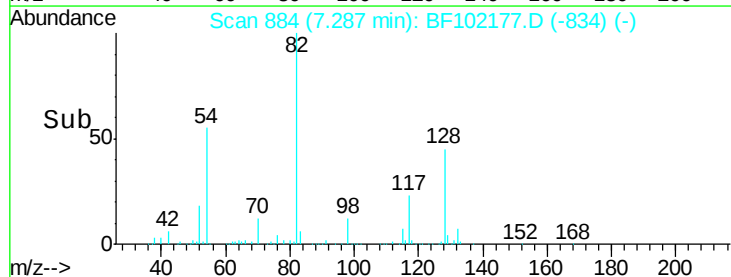
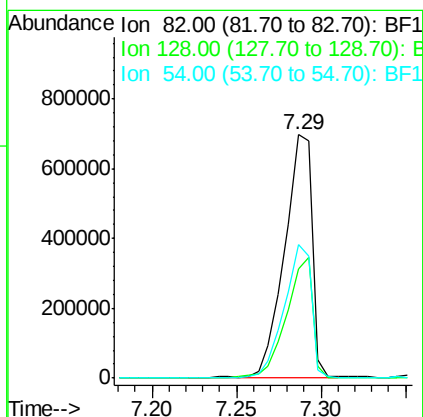
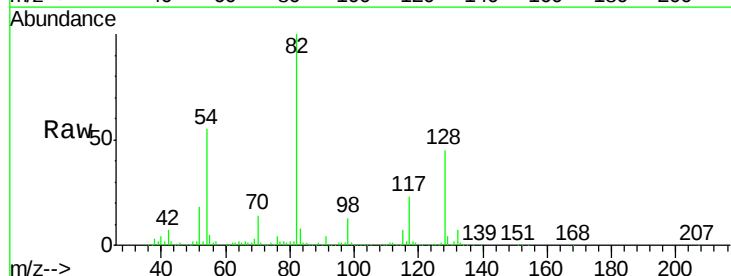
Instrument :
BNA_F
ClientSampled :

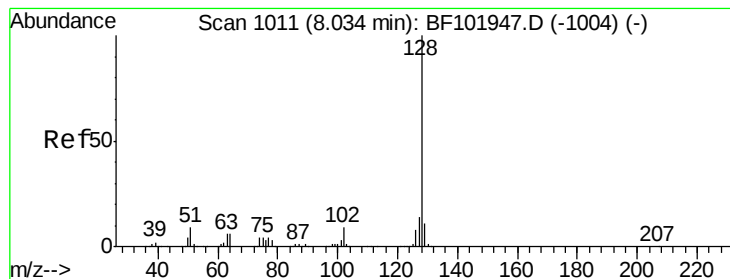
Tot Ion:105 Resp: 151642
Ion Ratio Lower Upper
105 100
71 11.1 4.4 6.6#
51 4.2 22.3 33.5#
120 0.3 16.9 25.3#



#23
Nitrobenzene-d5
Concen: 74.875 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102177.D
Acq: 18 Jan 2018 4:36

Tgt Ion: 82 Resp: 787103
Ion Ratio Lower Upper
82 100
128 45.0 36.1 54.1
54 54.8 41.4 62.2





#31

Naphthalene

Concen: 21.745 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.00 min

Lab File: BF102177.D

Acq: 18 Jan 2018 4:36

Instrument :

BNA_F

ClientSampleId :

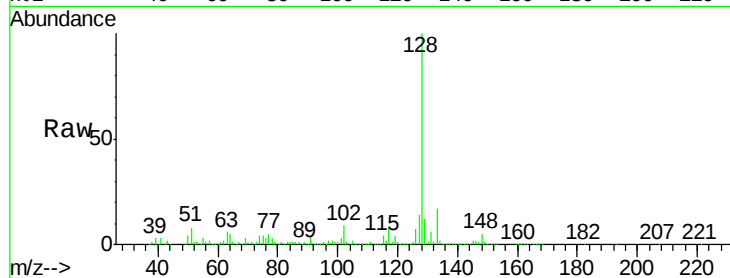
Tot Ion:128 Resp: 671205

Ion Ratio Lower Upper

128 100

129 12.0 8.8 13.2

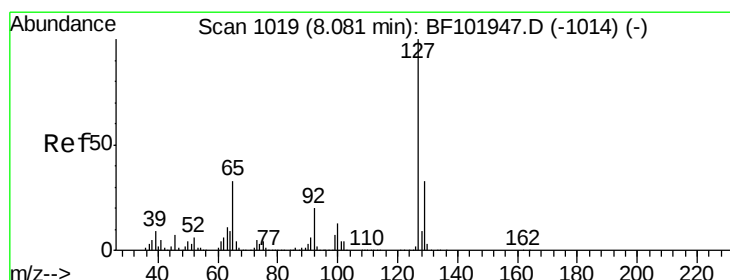
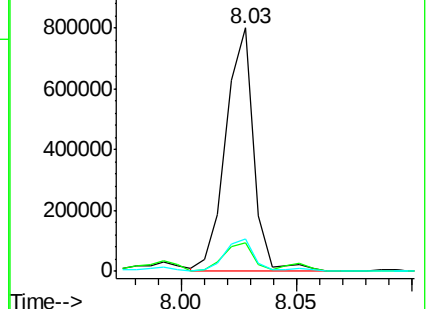
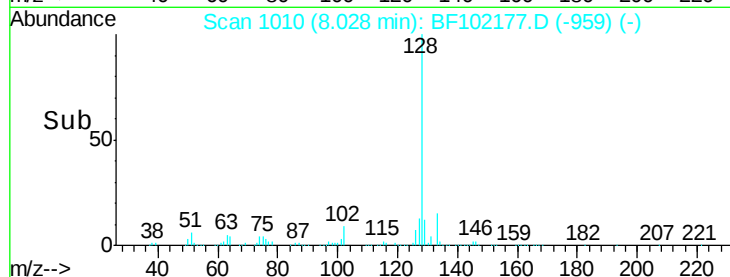
127 13.5 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 7.385 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.05 min

Lab File: BF102177.D

Acq: 18 Jan 2018 4:36

Tgt Ion:127 Resp: 97298

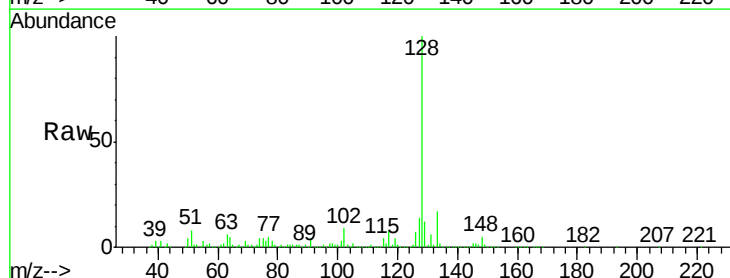
Ion Ratio Lower Upper

127 100

129 88.6 25.9 38.9#

65 9.7 25.0 37.4#

92 2.5 15.2 22.8#

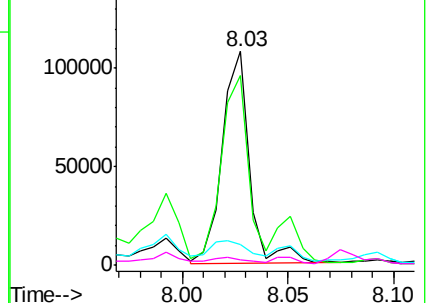
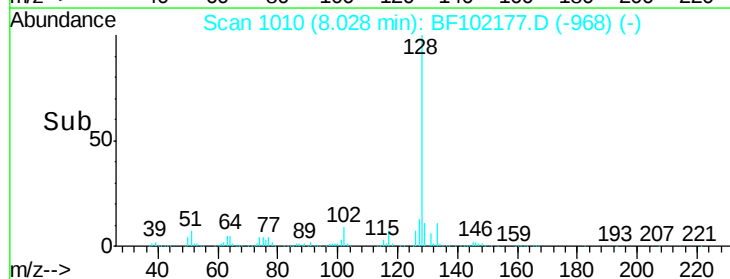


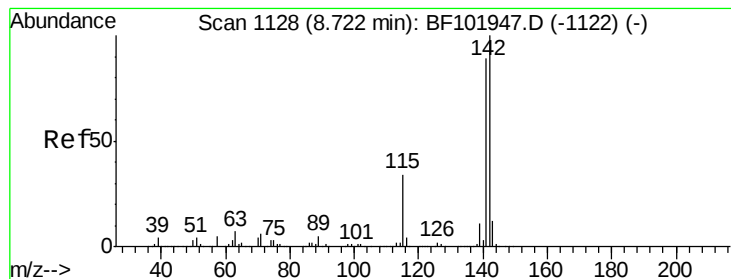
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

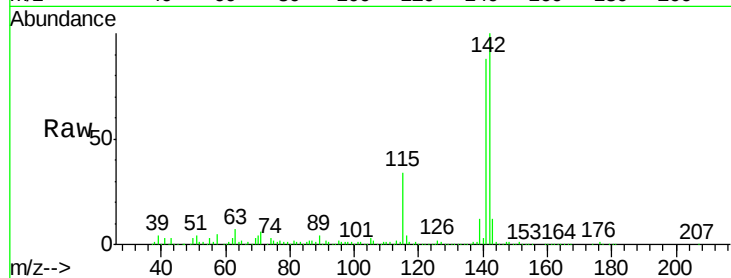




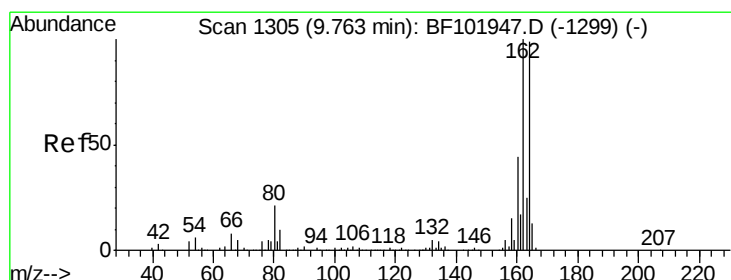
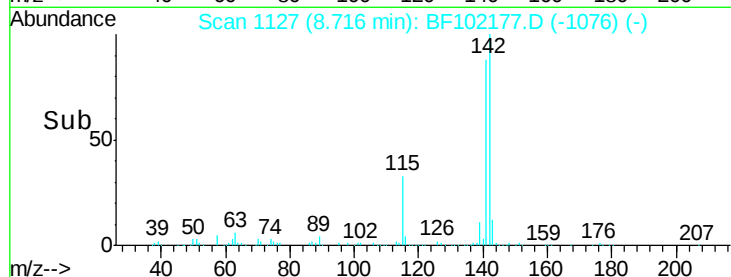
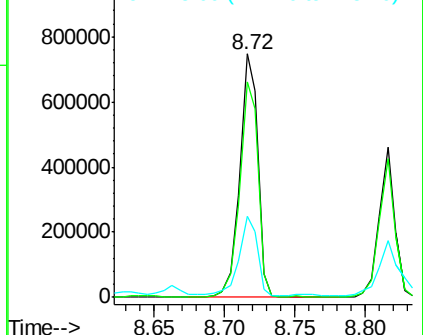
#37
2-Methylnaphthalene
Concen: 32.500 ng
RT: 8.72 min Scan# 1127
Delta R.T. -0.00 min
Lab File: BF102177.D
Acq: 18 Jan 2018 4:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 660423
Ion Ratio Lower Upper
142 100
141 88.3 70.8 106.2
115 33.5 26.1 39.1

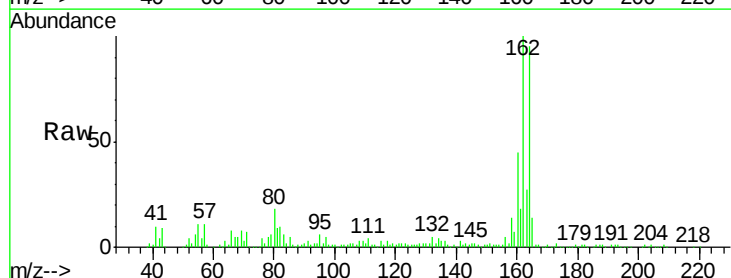


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

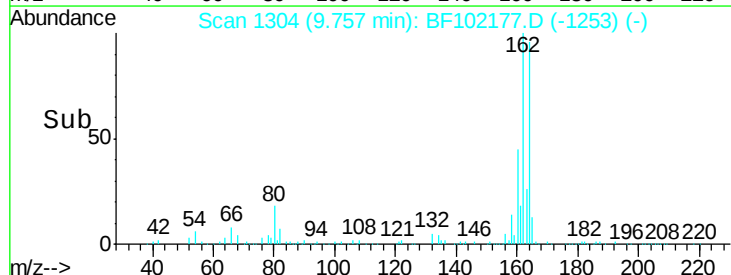
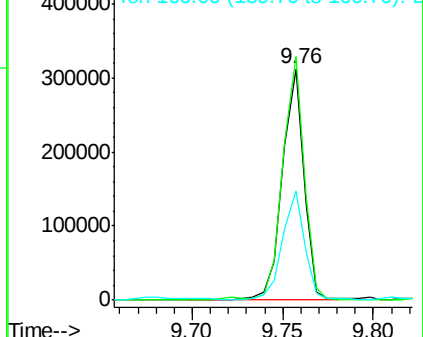


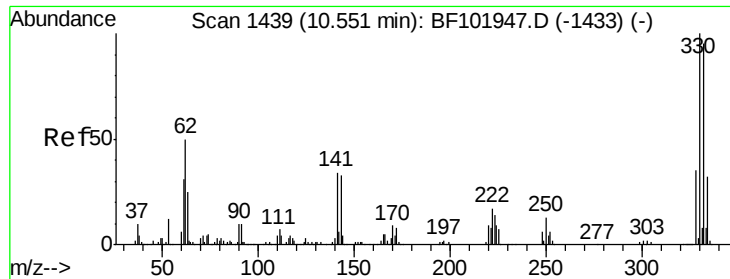
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BF102177.D
Acq: 18 Jan 2018 4:36

Tgt Ion:164 Resp: 256598
Ion Ratio Lower Upper
164 100
162 105.3 86.1 129.1
160 47.1 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 103.061 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BF102177.D

Acq: 18 Jan 2018 4:36

Instrument :

BNA_F

ClientSampleId :

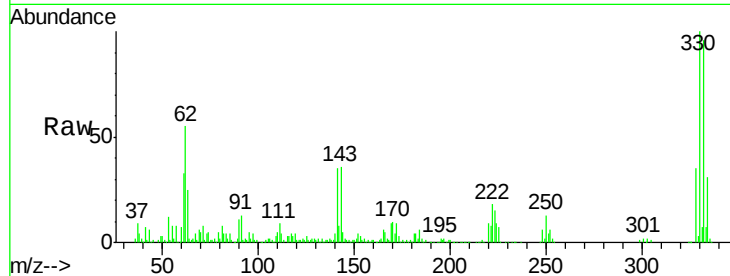
Tot Ion:330 Resp: 230785

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

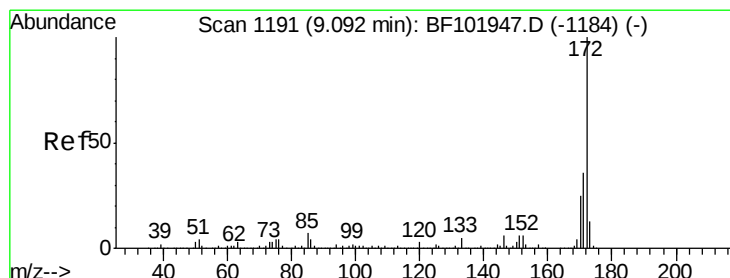
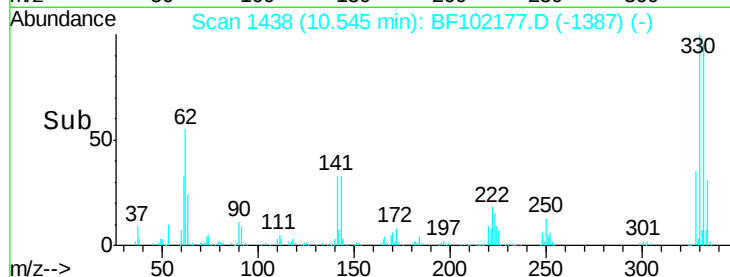
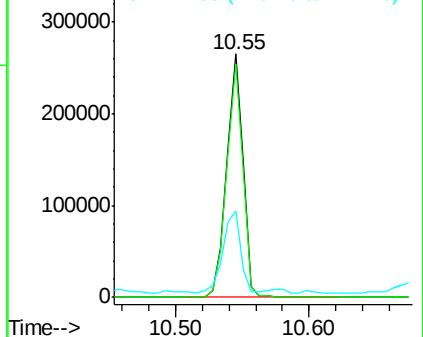
141 35.9 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 76.460 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF102177.D

Acq: 18 Jan 2018 4:36

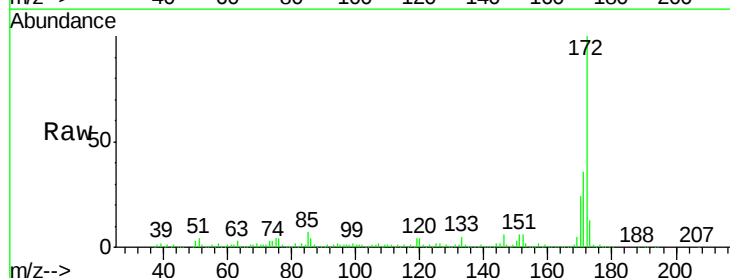
Tgt Ion:172 Resp: 1255824

Ion Ratio Lower Upper

172 100

171 35.6 29.7 44.5

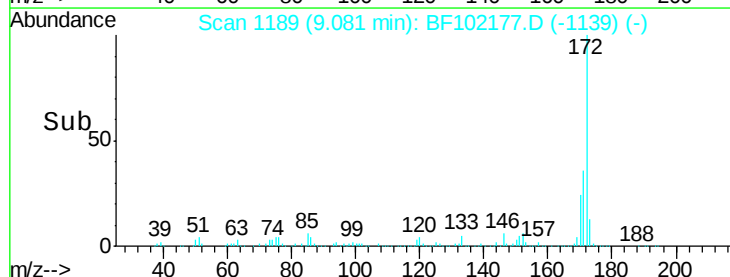
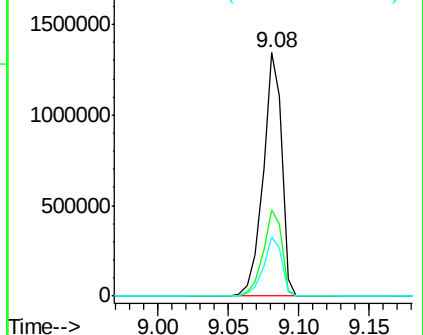
170 24.1 19.6 29.4

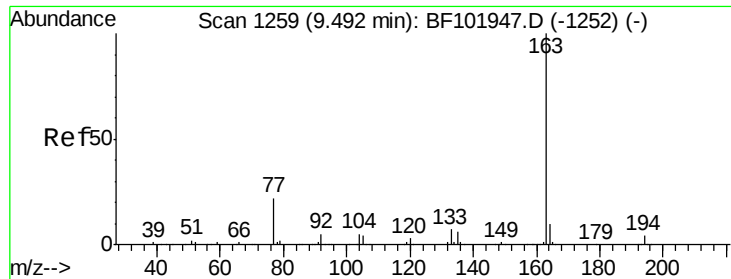


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 5.625 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF102177.D

Acq: 18 Jan 2018 4:36

Instrument :

BNA_F

ClientSampleId :

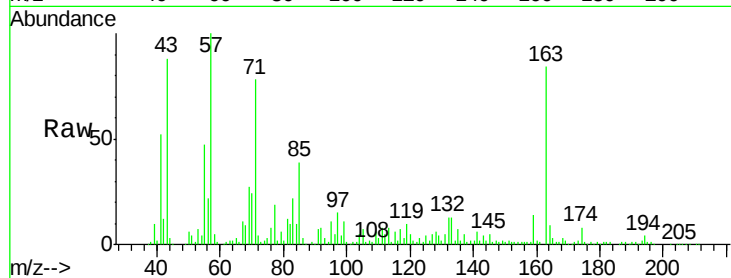
Tot Ion:163 Resp: 115796

Ion Ratio Lower Upper

163 100

194 5.1 2.7 4.1#

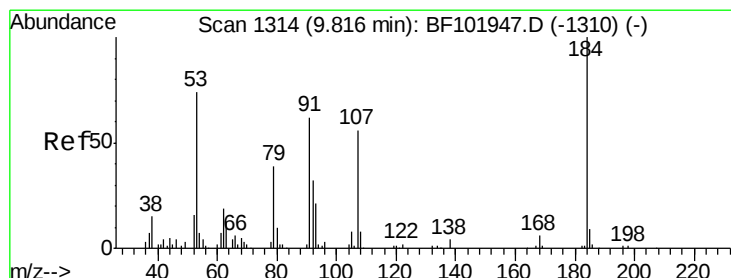
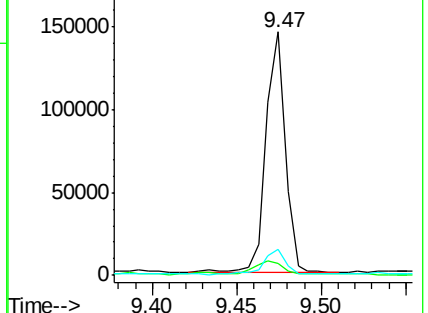
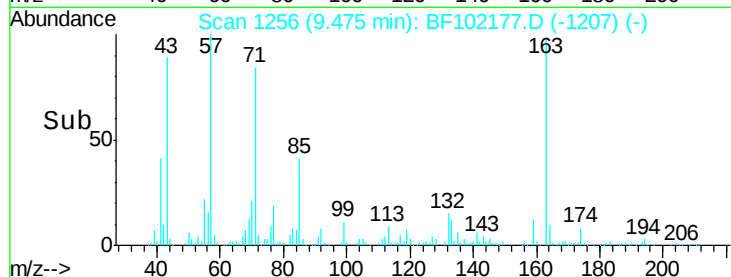
164 10.6 8.2 12.2



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: 9.074 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.15 min

Lab File: BF102177.D

Acq: 18 Jan 2018 4:36

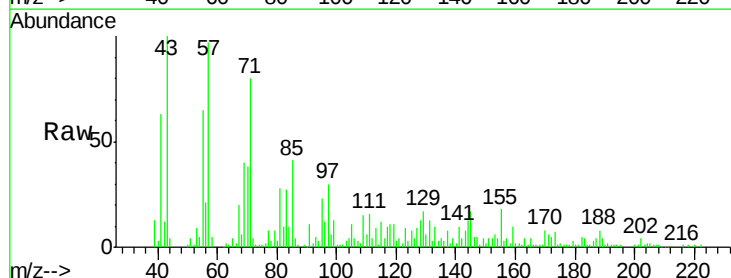
Tgt Ion:184 Resp: 733

Ion Ratio Lower Upper

184 100

63 190.9 54.2 81.2#

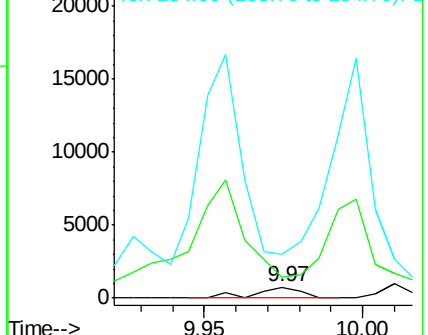
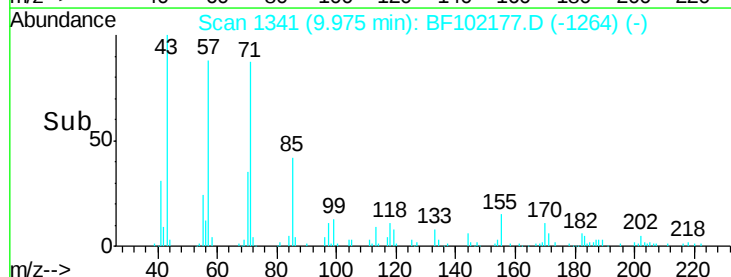
154 398.8 184.0 276.0#

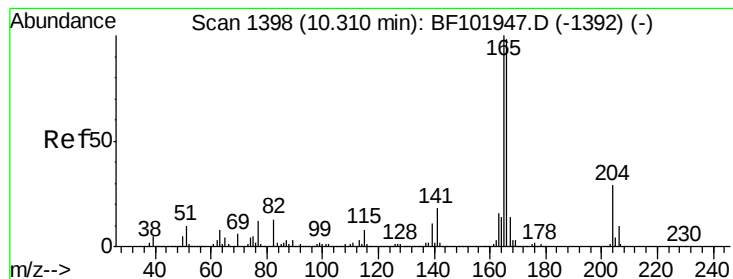


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#57

Fluorene

Concen: 2.591 ng

RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF102177.D

Acq: 18 Jan 2018 4:36

Instrument :

BNA_F

ClientSampleId :

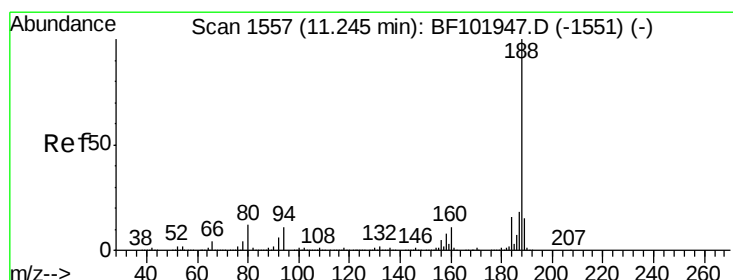
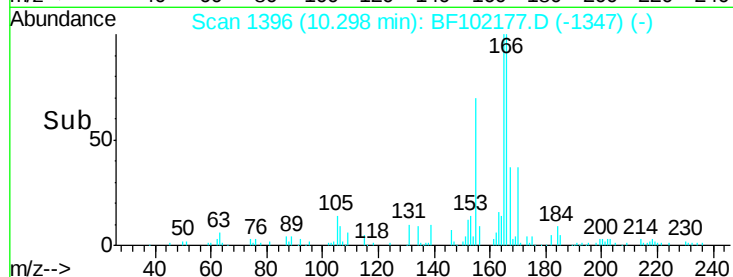
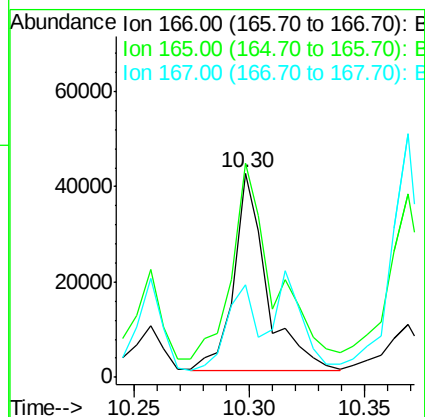
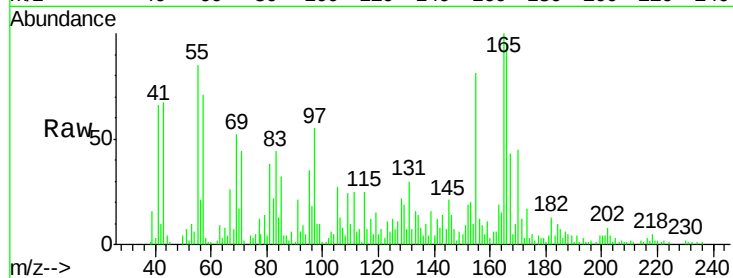
Tot Ion:166 Resp: 41643

Ion Ratio Lower Upper

166 100

165 104.8 79.8 119.8

167 45.1 10.6 16.0#



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BF102177.D

Acq: 18 Jan 2018 4:36

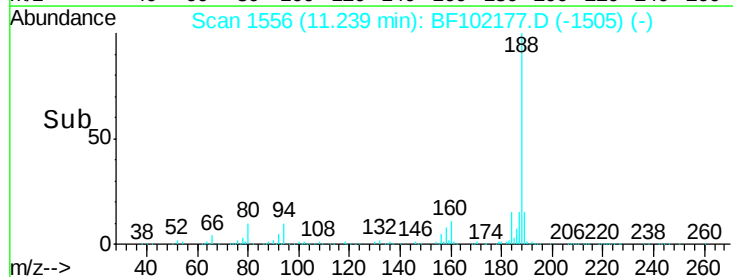
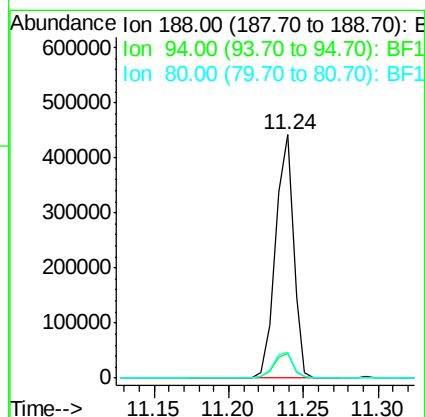
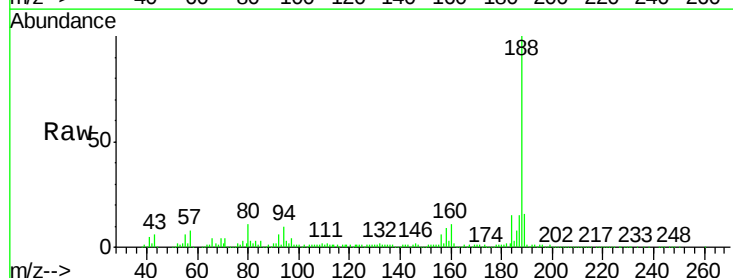
Tgt Ion:188 Resp: 370781

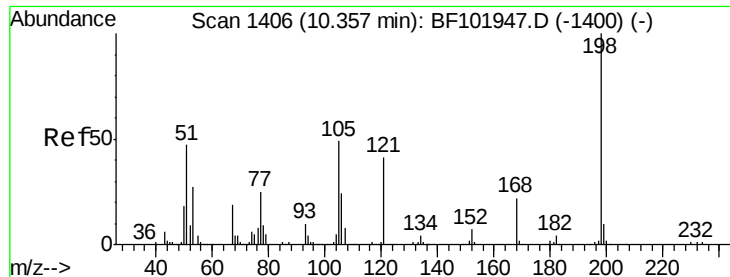
Ion Ratio Lower Upper

188 100

94 9.9 8.5 12.7

80 10.7 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 5.933 ng

RT: 10.36 min Scan# 1406

Delta R.T. -0.01 min

Lab File: BF102177.D

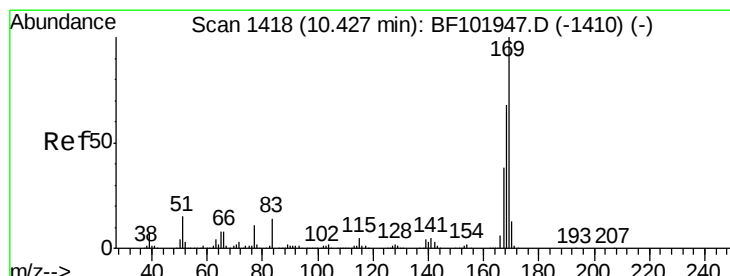
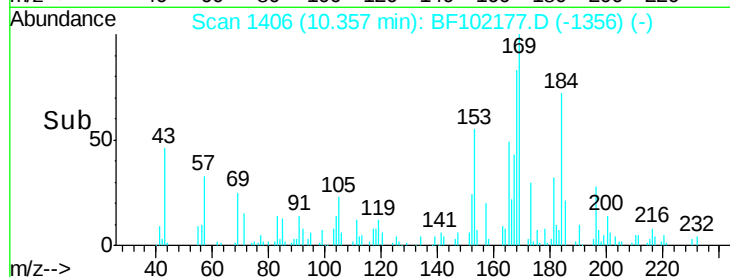
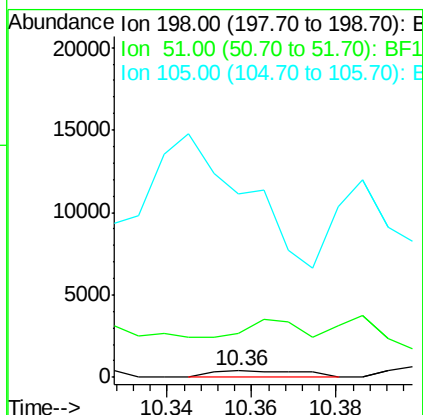
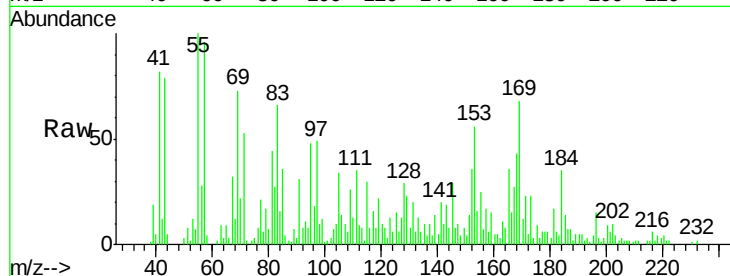
Acq: 18 Jan 2018 4:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:198 Resp: 618
 Ion Ratio Lower Upper
 198 100
 51 708.5 37.7 77.7#
 105 2945.1 36.3 76.3#



#65

n-Nitrosodiphenylamine

Concen: 3.385 ng

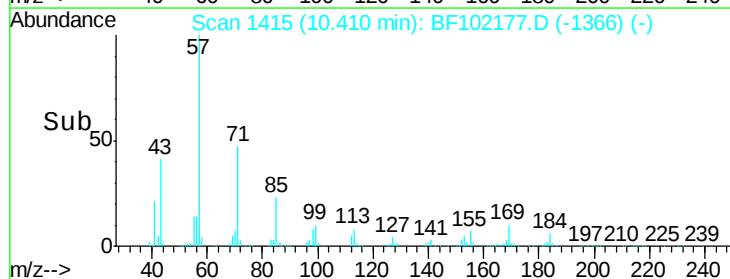
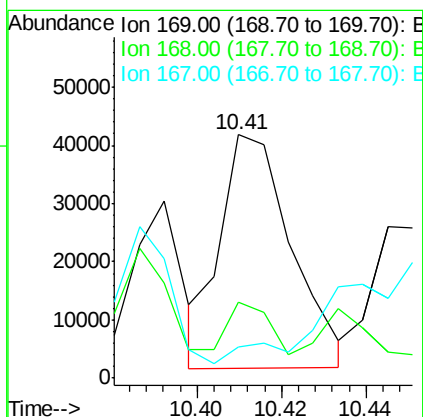
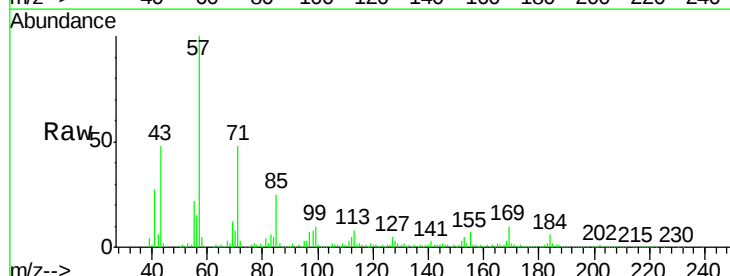
RT: 10.41 min Scan# 1415

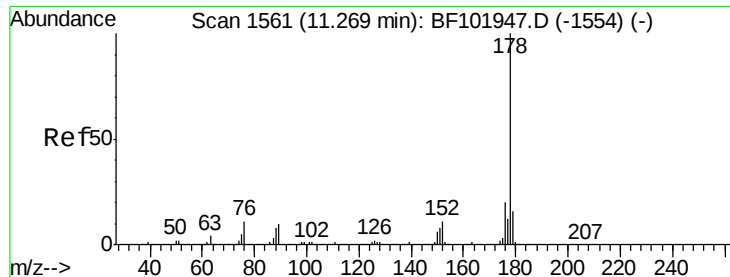
Delta R.T. -0.01 min

Lab File: BF102177.D

Acq: 18 Jan 2018 4:36

Tgt Ion:169 Resp: 47005
 Ion Ratio Lower Upper
 169 100
 168 31.1 54.4 81.6#
 167 12.9 29.8 44.6#





#70

Phenanthrene

Concen: 4.087 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102177.D

Acq: 18 Jan 2018 4:36

Instrument :

BNA_F

ClientSampleId :

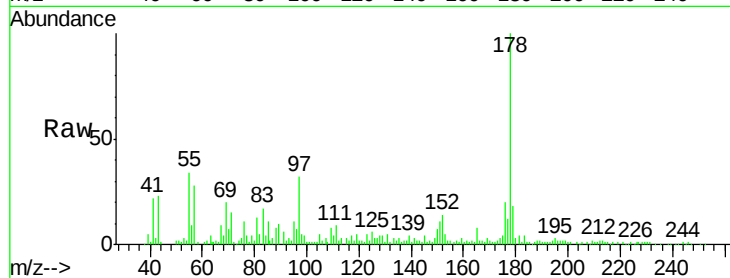
Tot Ion:178 Resp: 88521

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

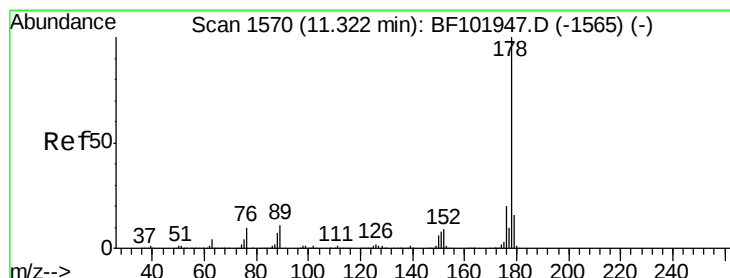
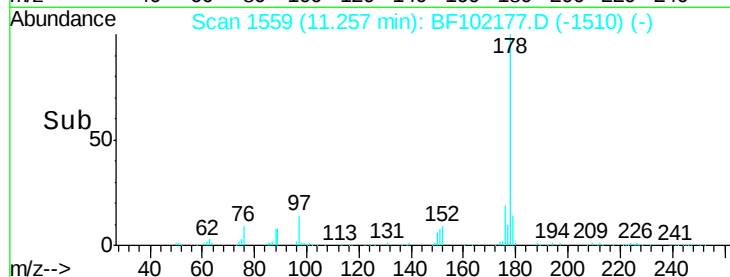
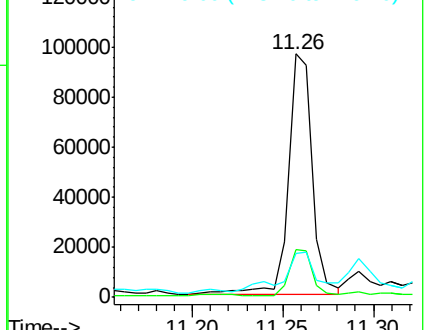
179 18.1 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 4.030 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.06 min

Lab File: BF102177.D

Acq: 18 Jan 2018 4:36

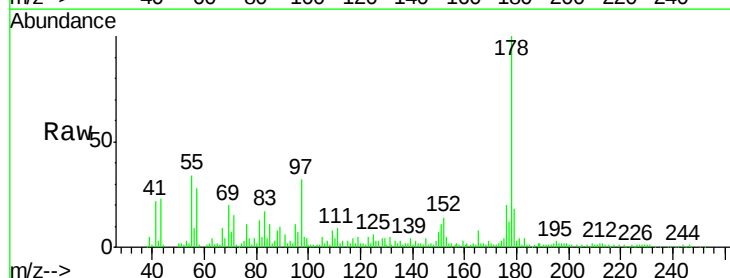
Tgt Ion:178 Resp: 88521

Ion Ratio Lower Upper

178 100

176 19.8 15.4 23.2

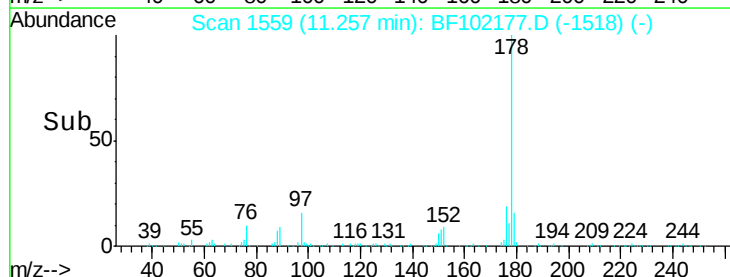
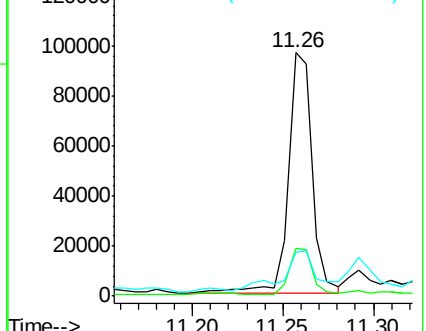
179 18.1 12.6 19.0

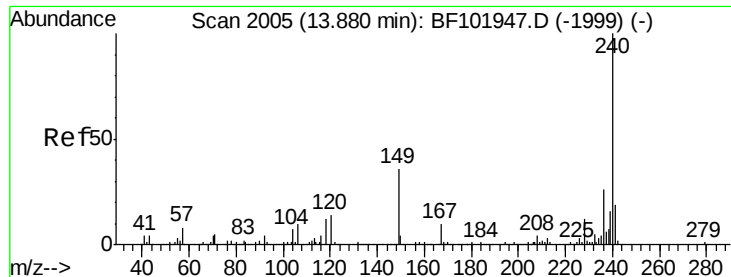


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF102177.D

Acq: 18 Jan 2018 4:36

Instrument :

BNA_F

ClientSampleId :

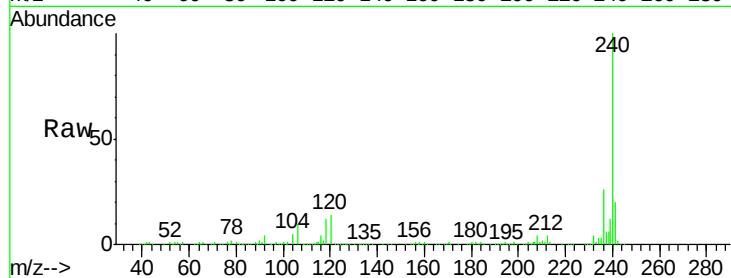
Tot Ion:240 Resp: 271791

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

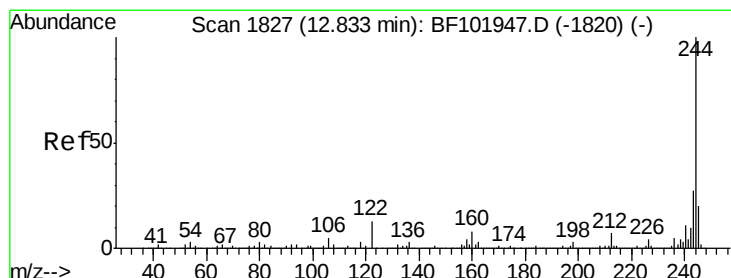
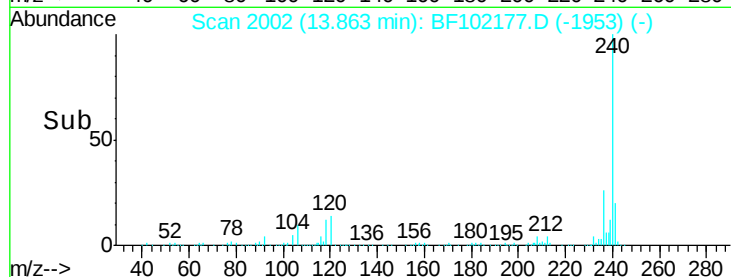
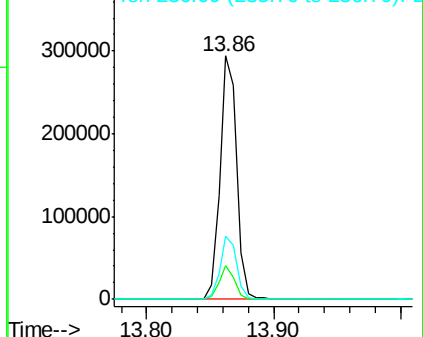
236 26.1 20.7 31.1



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



#78

Terphenyl-d14

Concen: 60.771 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102177.D

Acq: 18 Jan 2018 4:36

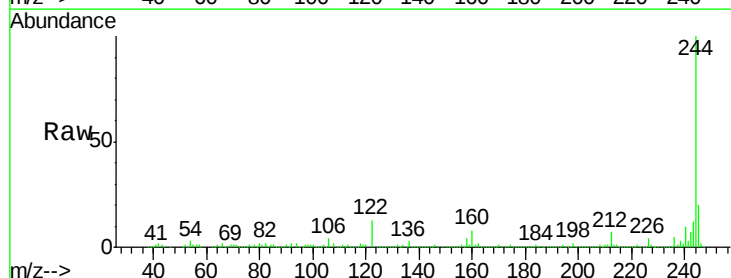
Tgt Ion:244 Resp: 795522

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

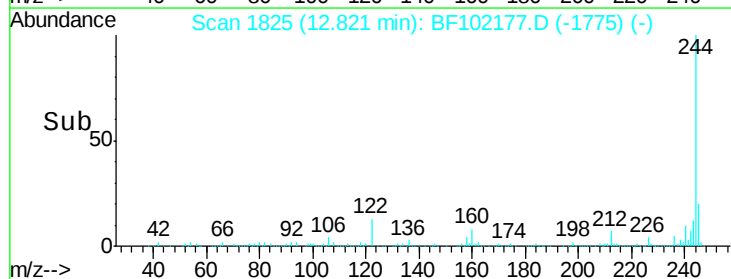
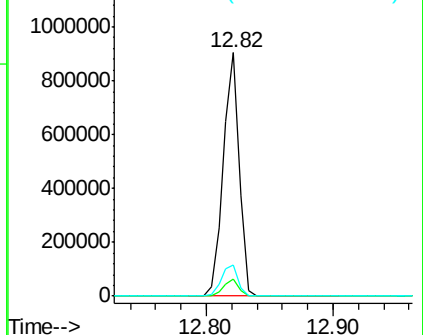
122 13.0 11.0 16.4

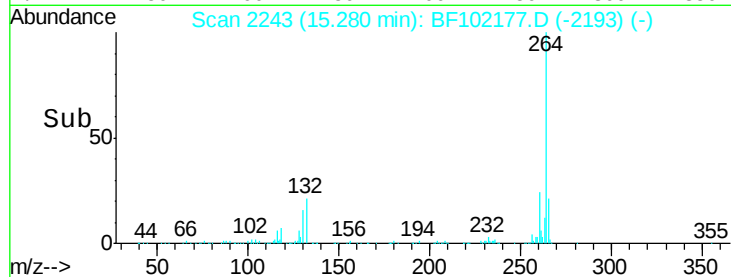
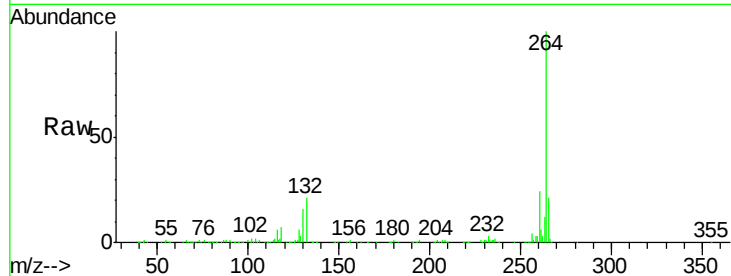
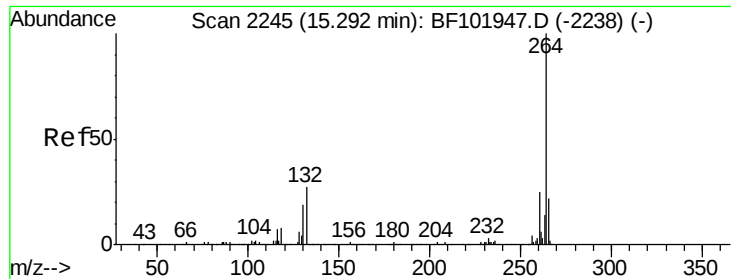


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BF102177.D

Acq: 18 Jan 2018 4:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 264 Resp: 274707

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 20.6 17.5 26.3

