

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011718\
 Data File : BF102182.D
 Acq On : 18 Jan 2018 6:49
 Operator : SJ/JU
 Sample : J1144-09
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 18 07:22:47 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	161466	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	612885	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	251215	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	381014	20.00	ng	0.00
75) Chrysene-d12	13.86	240	269269	20.00	ng	-0.01
86) Perylene-d12	15.28	264	267029	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1347765	117.87	ng	0.02
7) Phenol-d6	6.36	99	1618533	118.64	ng	0.00
23) Nitrobenzene-d5	7.29	82	965039	92.53	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	267814	122.16	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1306444	81.25	ng	0.00
78) Terphenyl-d14	12.82	244	910464	70.20	ng	0.00

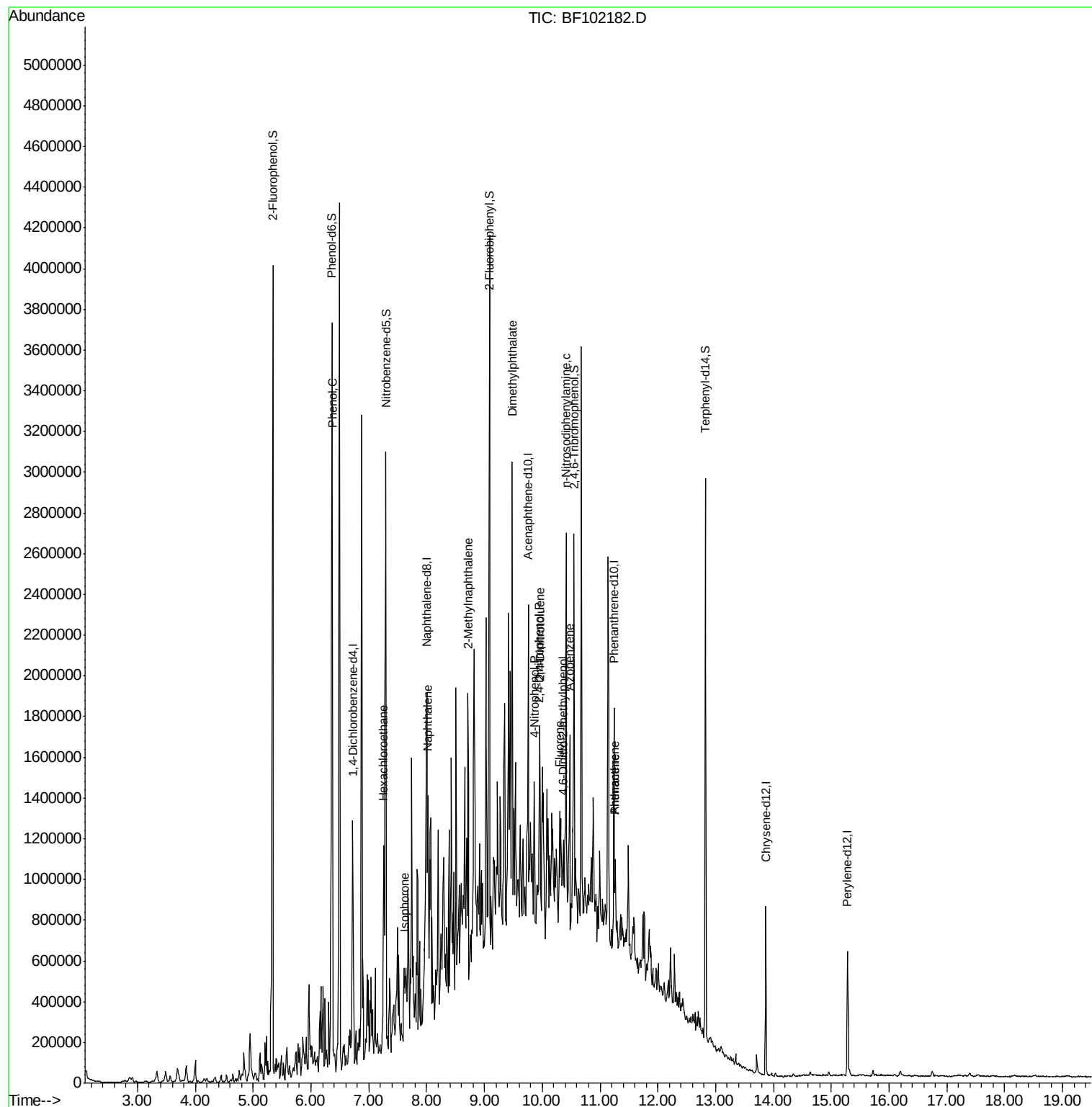
Target Compounds				Qvalue		
10) Phenol	6.37	94	68741	4.459	ng	98
18) Hexachloroethane	7.25	117	62806	13.520	ng	# 1
25) Isophorone	7.62	82	58540	2.841	ng	# 65
31) Naphthalene	8.02	128	276284	9.022	ng	# 95
37) 2-Methylnaphthalene	8.72	142	383840	19.039	ng	97
49) Dimethylphthalate	9.47	163	201617	10.005	ng	# 99
53) 2,4-Dinitrophenol	9.95	184	416	8.899	ng	# 1
55) 4-Nitrophenol	9.86	139	14595	3.855	ng	# 55
56) 2,4-Dinitrotoluene	9.96	165	12572	2.492	ng	# 47
57) Fluorene	10.30	166	65124	4.139	ng	# 91
62) Azobenzene	10.47	77	159062	7.975	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.37	198	666	5.946	ng	# 1
65) n-Nitrosodiphenylamine	10.42	169	54243	3.802	ng	# 52
70) Phenanthrene	11.26	178	130374	5.858	ng	98
71) Anthracene	11.26	178	130374	5.776	ng	97

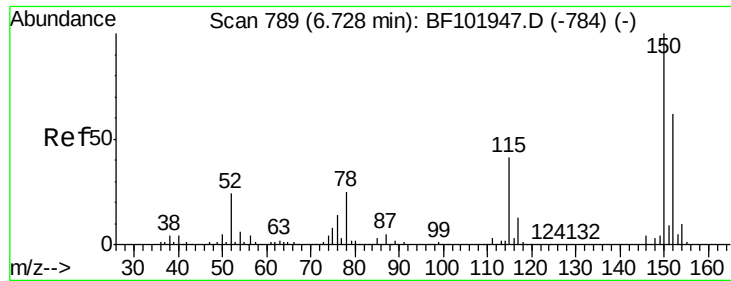
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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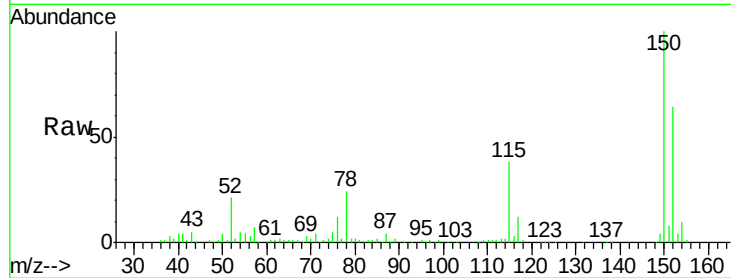


#1

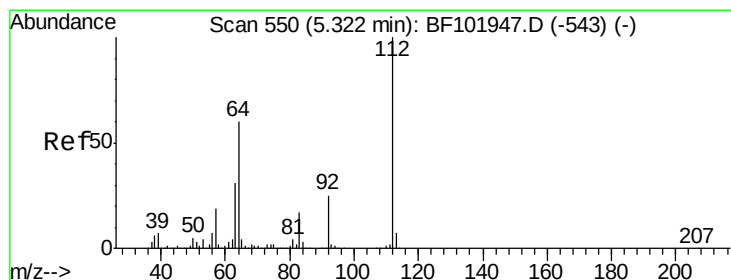
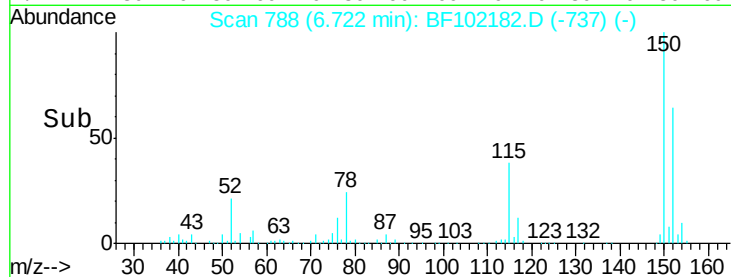
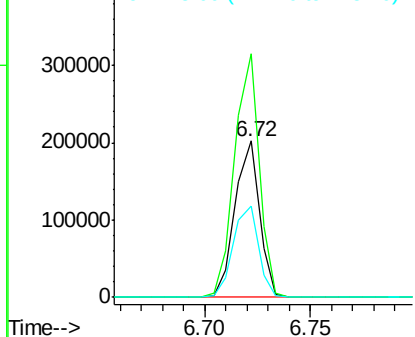
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF102182.D
Acq: 18 Jan 2018 6:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 161466
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 58.8 50.1 75.1



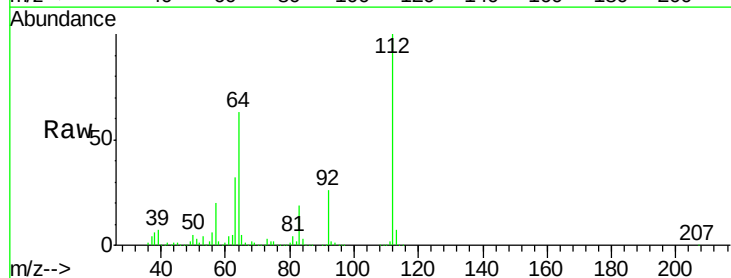
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



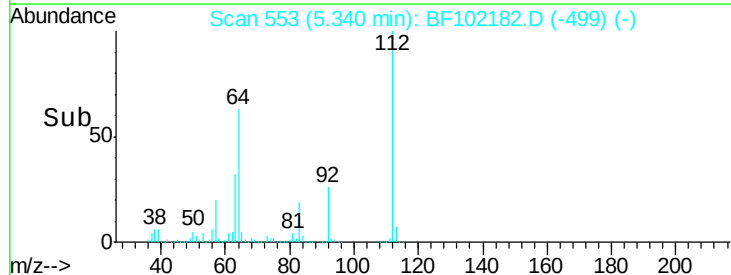
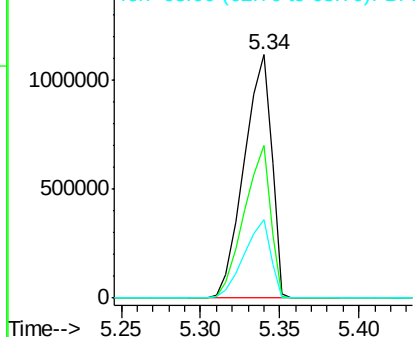
#5

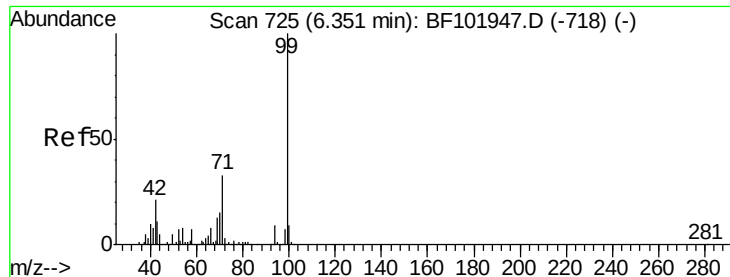
2-Fluorophenol
Concen: 117.867 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.02 min
Lab File: BF102182.D
Acq: 18 Jan 2018 6:49

Tgt Ion:112 Resp: 1347765
Ion Ratio Lower Upper
112 100
64 62.9 47.9 71.9
63 32.2 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: 118.638 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

Instrument :

BNA_F

ClientSampleId :

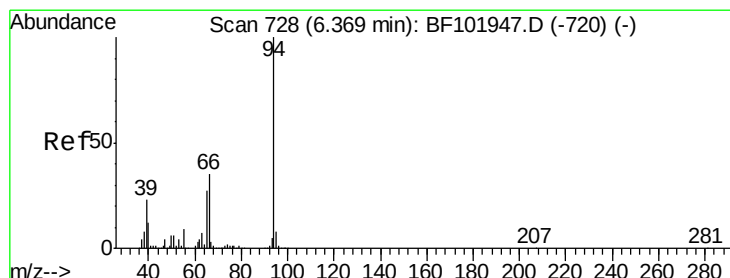
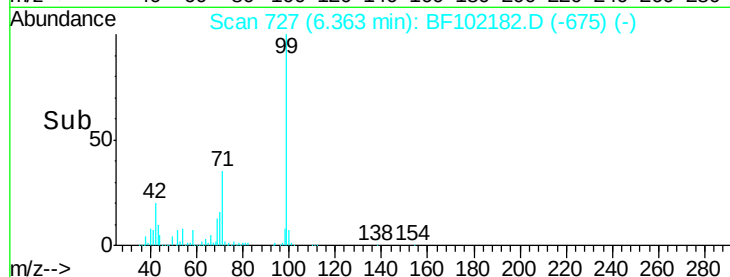
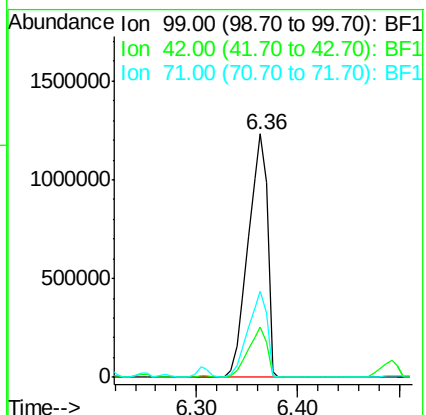
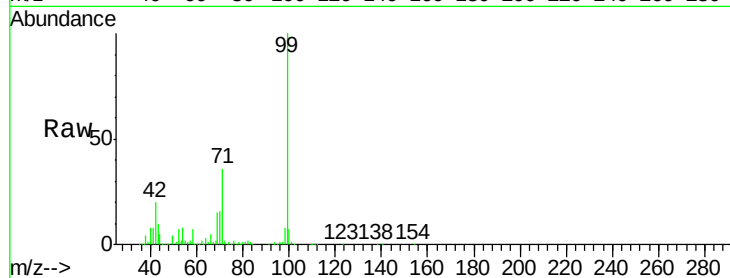
Tot Ion: 99 Resp: 1618533

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

71 35.5 25.4 38.0



#10

Phenol

Concen: 4.459 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

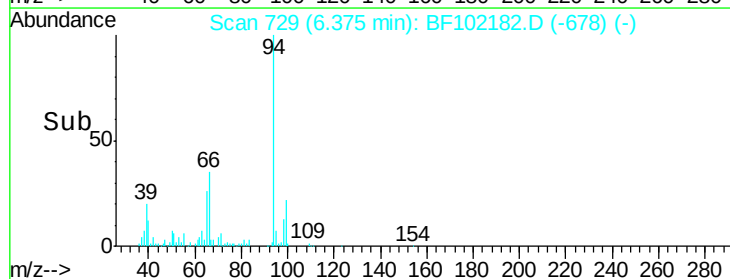
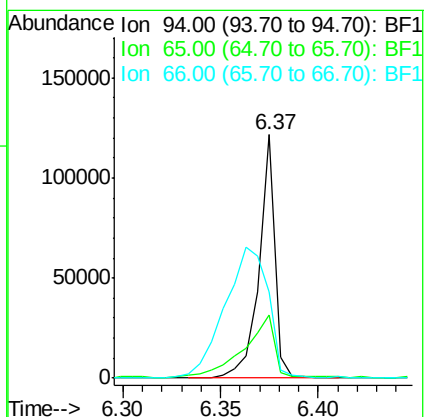
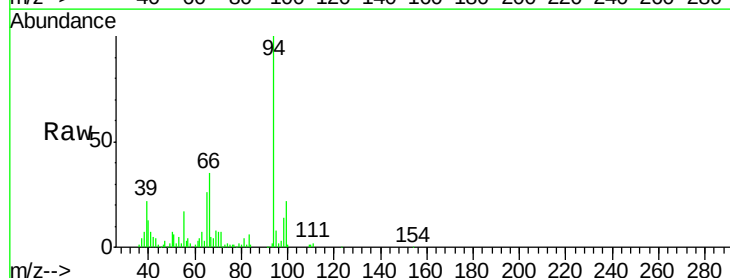
Tgt Ion: 94 Resp: 68741

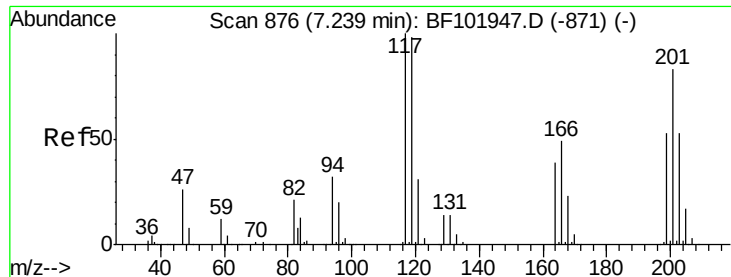
Ion Ratio Lower Upper

94 100

65 26.2 7.9 47.9

66 35.4 16.2 56.2

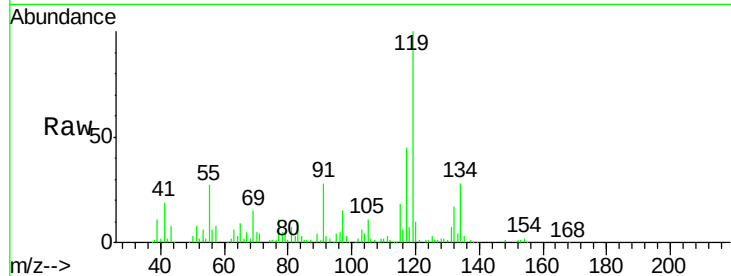




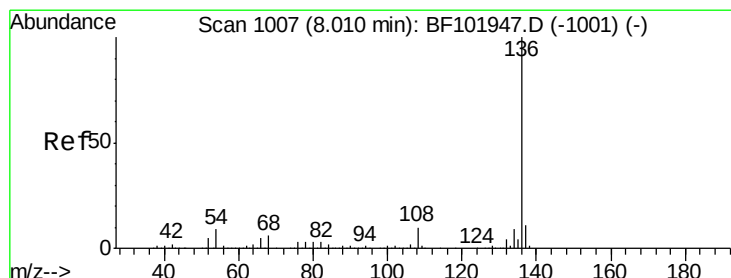
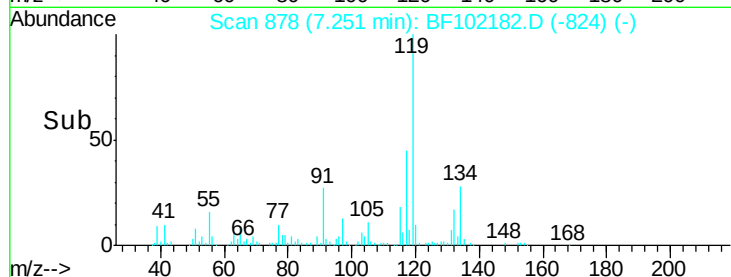
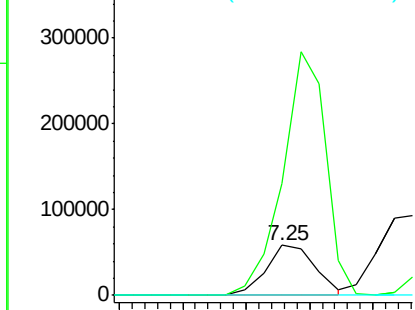
#18
Hexachloroethane
Concen: 13.520 ng
RT: 7.25 min Scan# 878
Delta R.T. 0.02 min
Lab File: BF102182.D
Acq: 18 Jan 2018 6:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:117 Resp: 62806
Ion Ratio Lower Upper
117 100
119 224.0 75.8 113.8#
201 0.0 75.7 113.5#



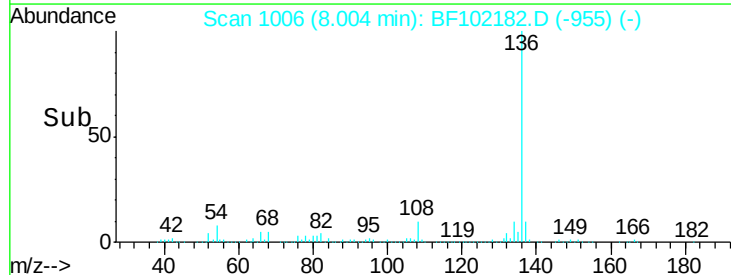
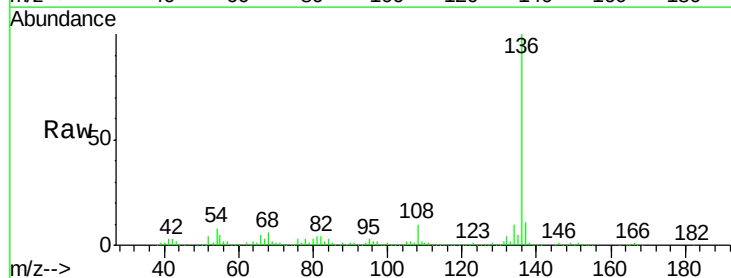
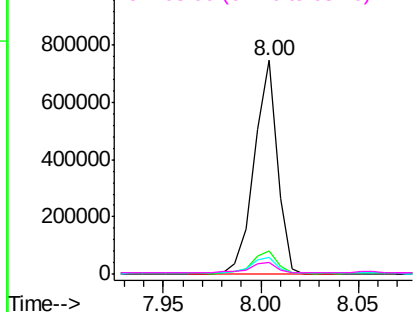
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

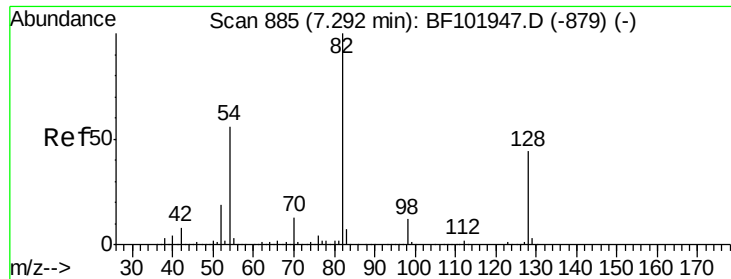


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BF102182.D
Acq: 18 Jan 2018 6:49

Tgt Ion:136 Resp: 612885
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.9 6.6 9.8
68 5.6 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

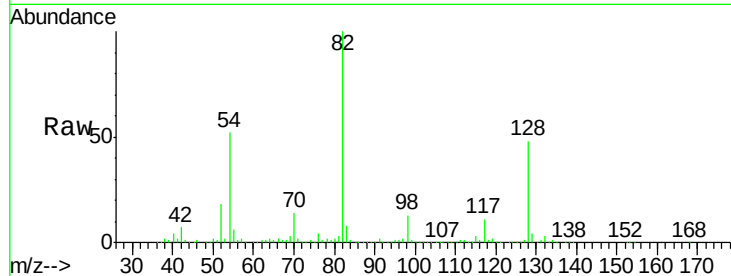




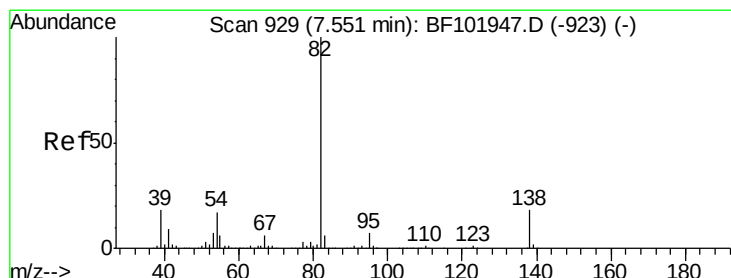
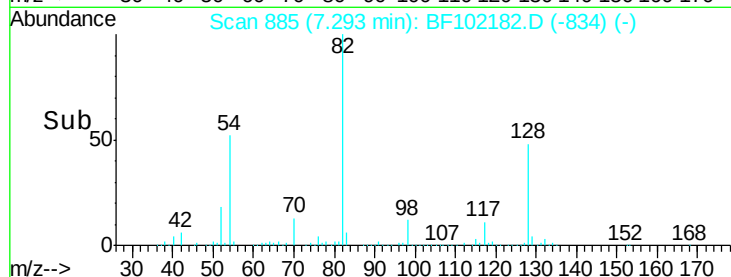
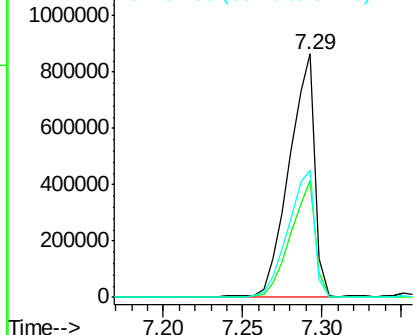
#23
 Nitrobenzene-d5
 Concen: 92.529 ng
 RT: 7.29 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: BF102182.D
 Acq: 18 Jan 2018 6:49

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 965039
 Ion Ratio Lower Upper
 82 100
 128 48.0 36.1 54.1
 54 52.3 41.4 62.2

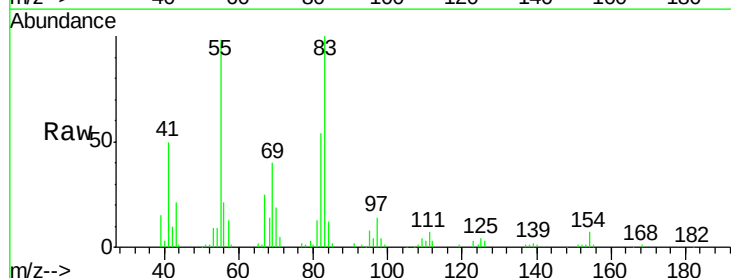


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

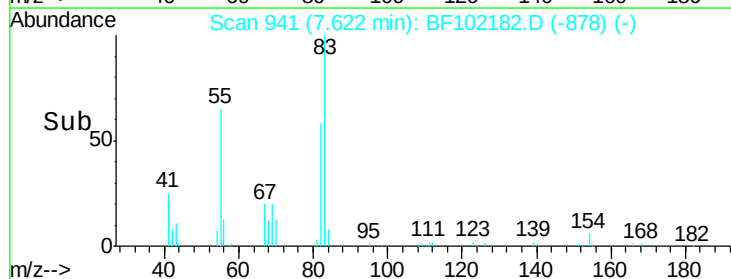
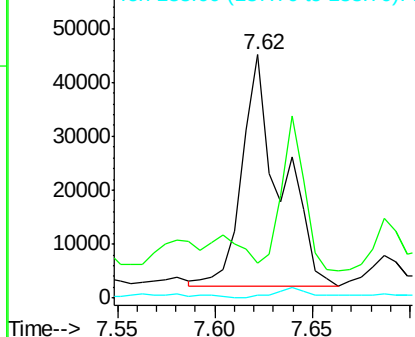


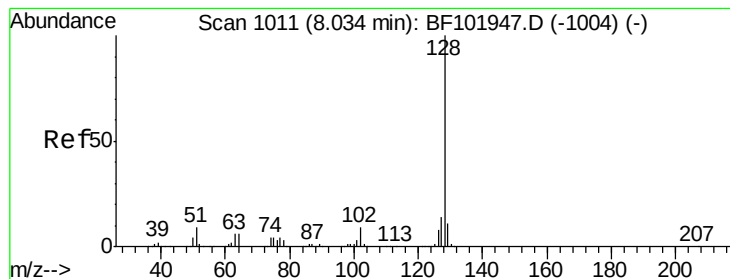
#25
 Isophorone
 Concen: 2.841 ng
 RT: 7.62 min Scan# 941
 Delta R.T. 0.07 min
 Lab File: BF102182.D
 Acq: 18 Jan 2018 6:49

Tgt Ion: 82 Resp: 58540
 Ion Ratio Lower Upper
 82 100
 95 14.1 5.2 7.8#
 138 1.0 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





#31

Naphthalene

Concen: 9.022 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

Instrument :

BNA_F

ClientSampleId :

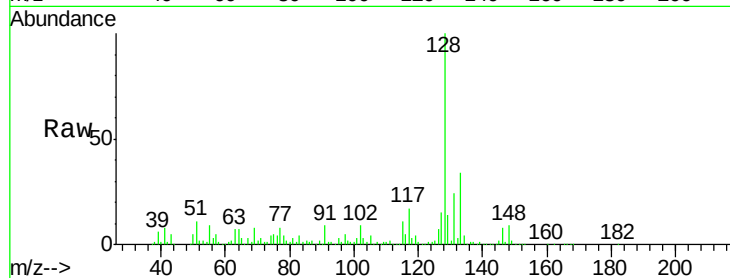
Tot Ion:128 Resp: 276284

Ion Ratio Lower Upper

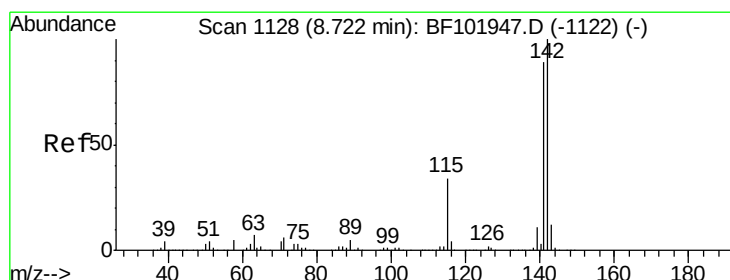
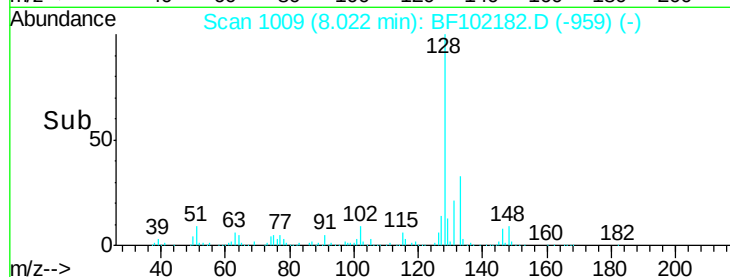
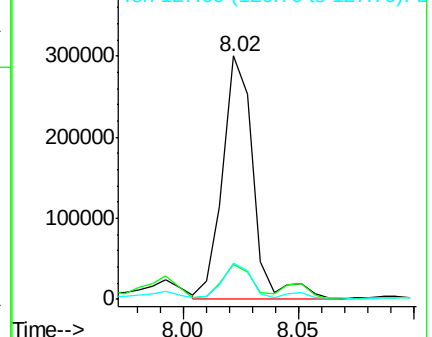
128 100

129 14.1 8.8 13.2#

127 14.7 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



#37

2-Methylnaphthalene

Concen: 19.039 ng

RT: 8.72 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

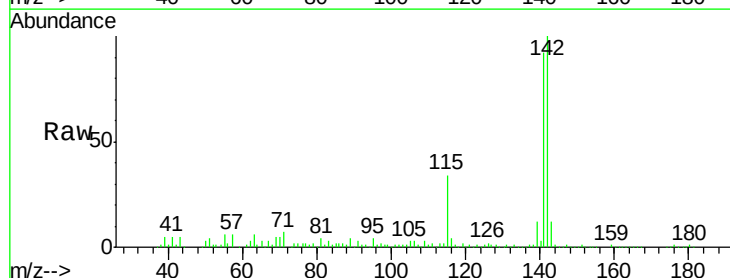
Tgt Ion:142 Resp: 383840

Ion Ratio Lower Upper

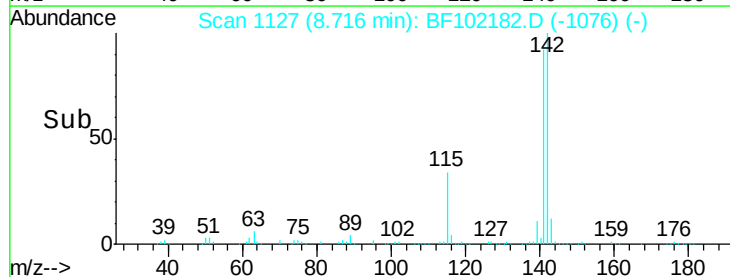
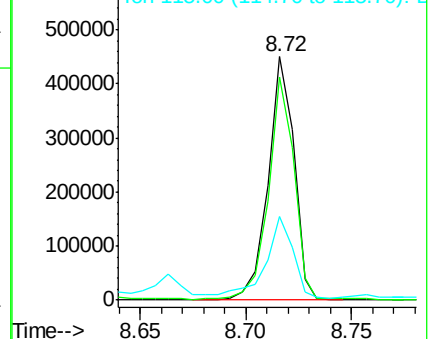
142 100

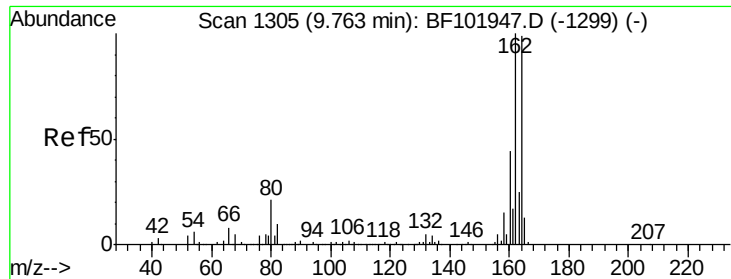
141 91.6 70.8 106.2

115 34.3 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

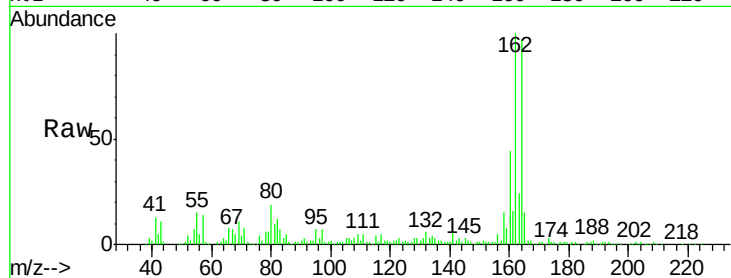




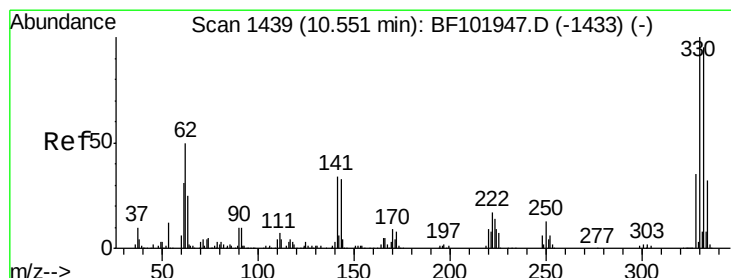
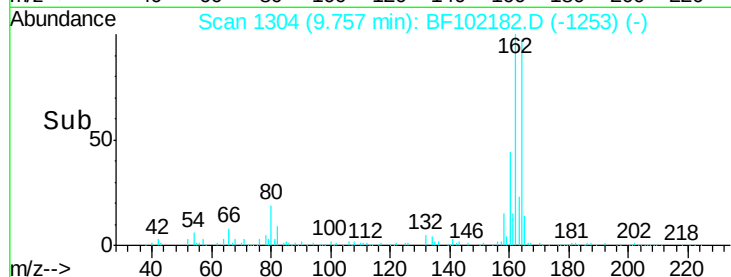
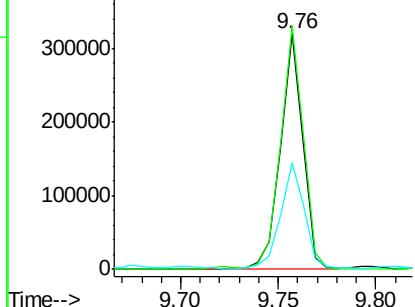
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF102182.D
Acq: 18 Jan 2018 6:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.3	86.1	129.1
160	45.3	38.3	57.5

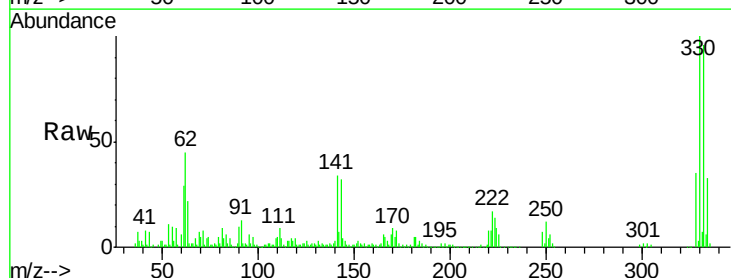


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

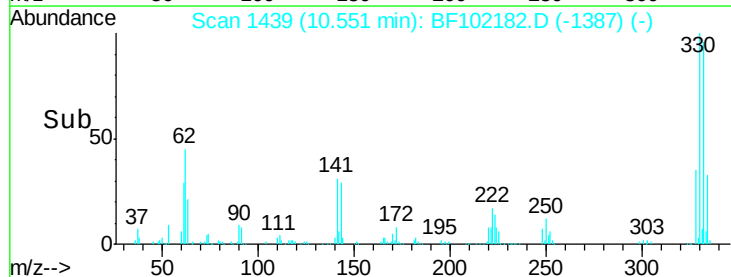
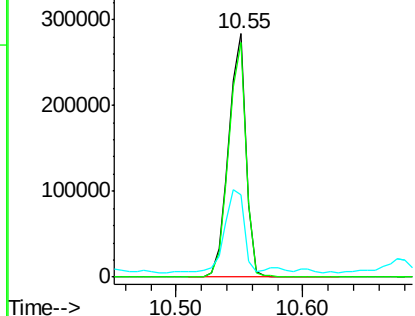


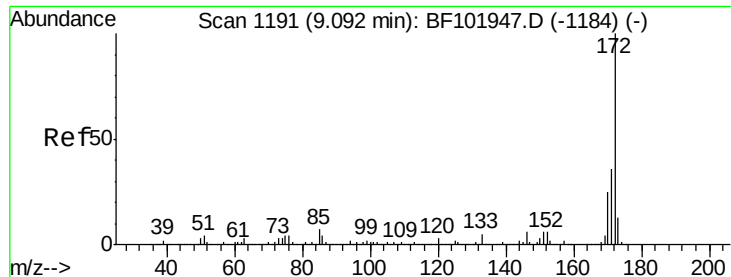
#41
2,4,6-Tribromophenol
Concen: 122.160 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.01 min
Lab File: BF102182.D
Acq: 18 Jan 2018 6:49

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	39.0	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

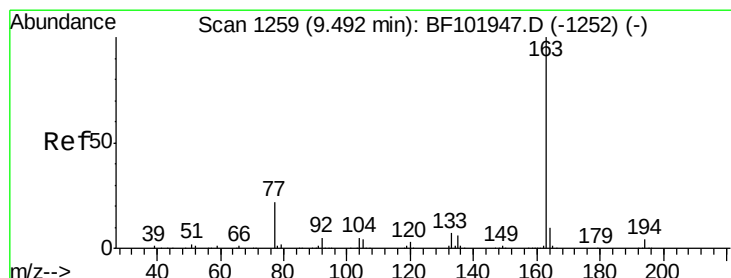
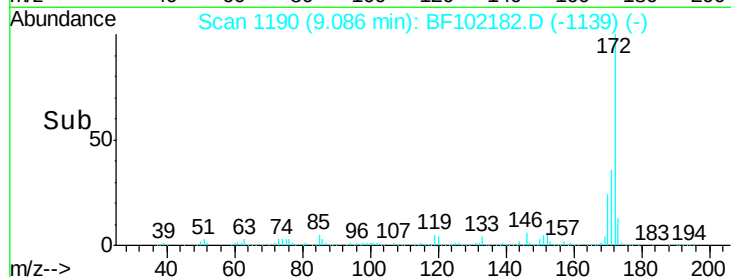
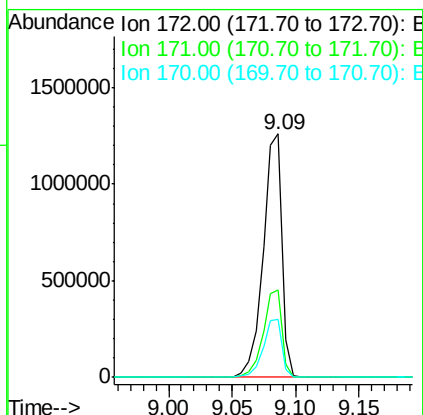
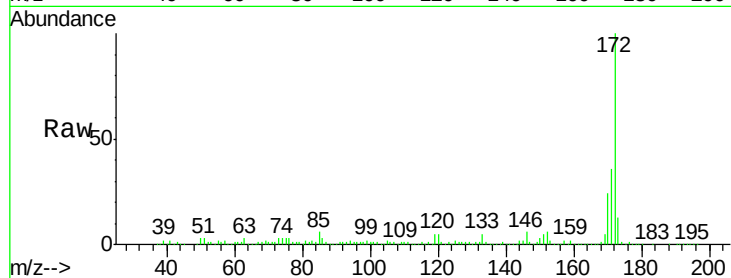




#44
2-Fluorobiphenyl
Concen: 81.246 ng
RT: 9.09 min Scan# 1190
Delta R.T. 0.00 min
Lab File: BF102182.D
Acq: 18 Jan 2018 6:49

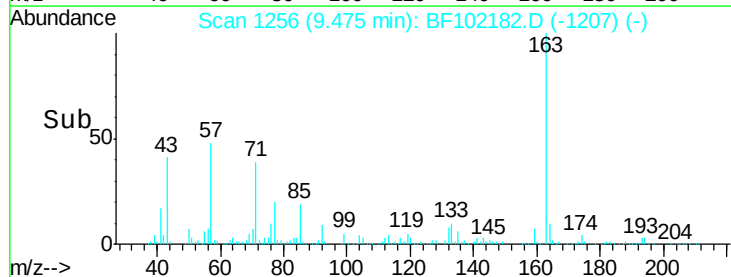
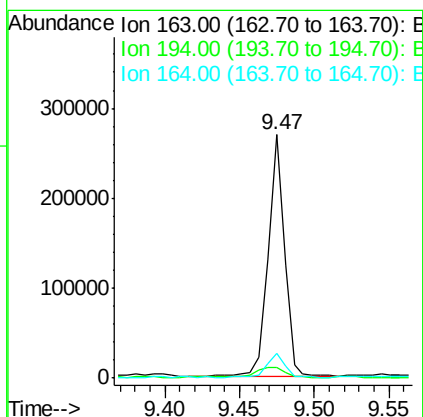
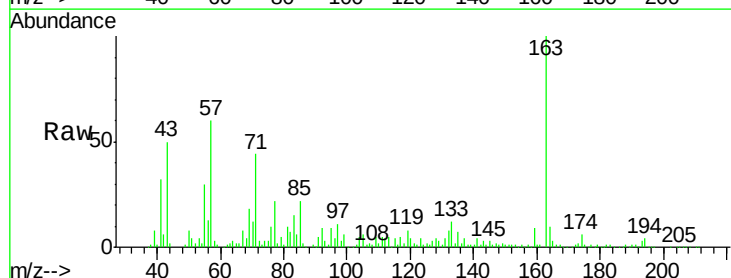
Instrument :
BNA_F
ClientSampleId :

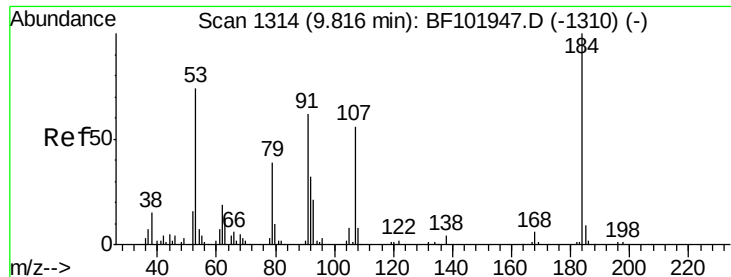
Tot Ion:172 Resp: 1306444
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 24.0 19.6 29.4



#49
Dimethylphthalate
Concen: 10.005 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF102182.D
Acq: 18 Jan 2018 6:49

Tgt Ion:163 Resp: 201617
Ion Ratio Lower Upper
163 100
194 4.4 2.7 4.1#
164 10.0 8.2 12.2

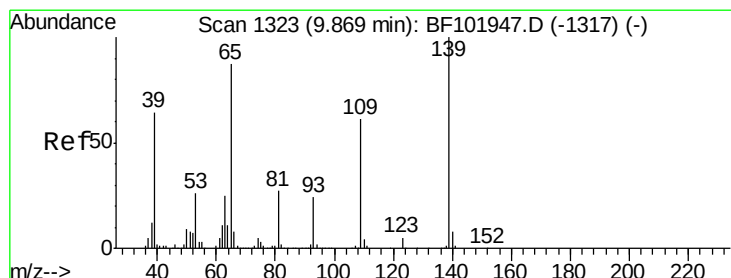
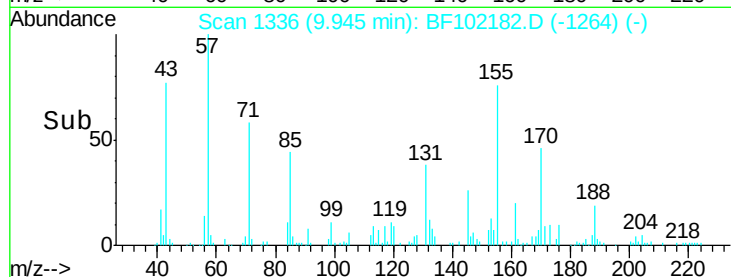
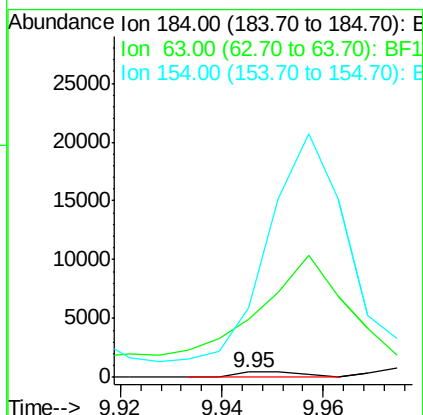
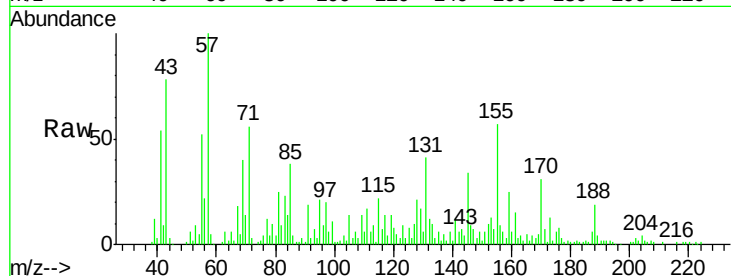




#53
2,4-Dinitrophenol
Concen: 8.899 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.12 min
Lab File: BF102182.D
Acq: 18 Jan 2018 6:49

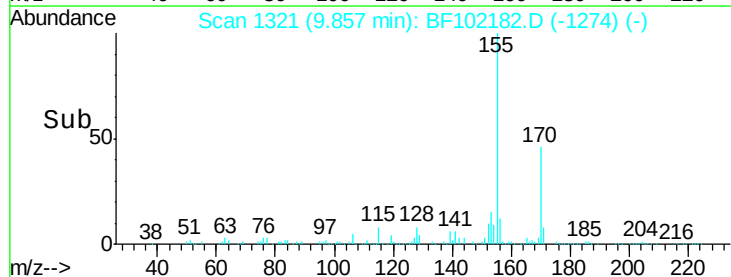
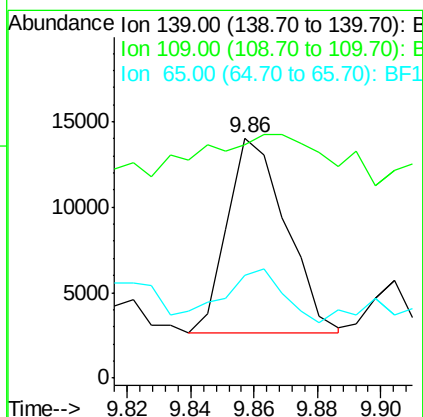
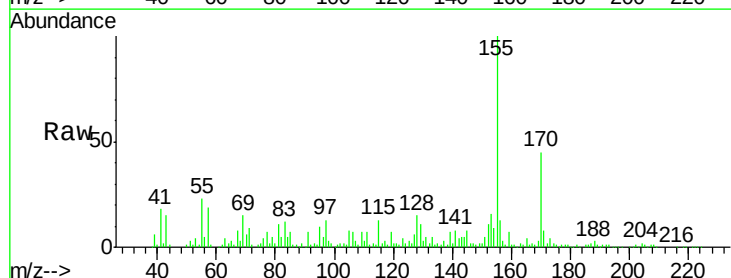
Instrument :
BNA_F
ClientSampleId :

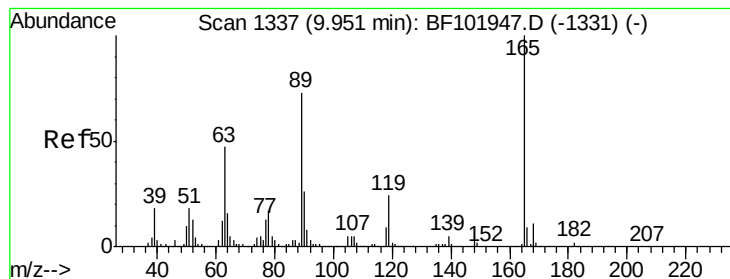
Tot Ion:184 Resp: 416
Ion Ratio Lower Upper
184 100
63 1116.1 54.2 81.2#
154 1339.8 184.0 276.0#



#55
4-Nitrophenol
Concen: 3.855 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.02 min
Lab File: BF102182.D
Acq: 18 Jan 2018 6:49

Tgt Ion:139 Resp: 14595
Ion Ratio Lower Upper
139 100
109 97.5 48.4 88.4#
65 43.0 72.6 112.6#





#56

2,4-Dinitrotoluene

Concen: 2.492 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.01 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 12572

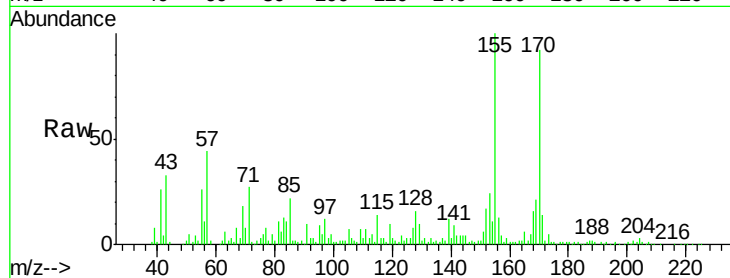
Ion Ratio Lower Upper

165 100

63 91.9 36.4 54.6#

89 37.2 57.8 86.6#

182 11.7 1.6 2.4#

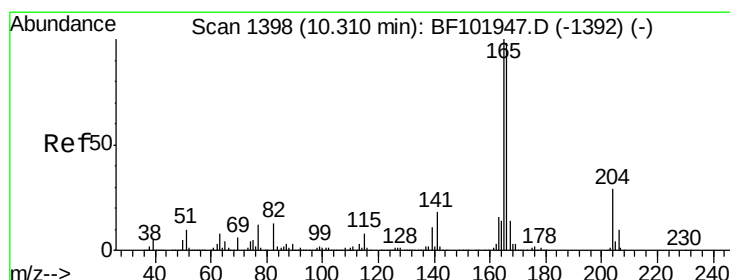
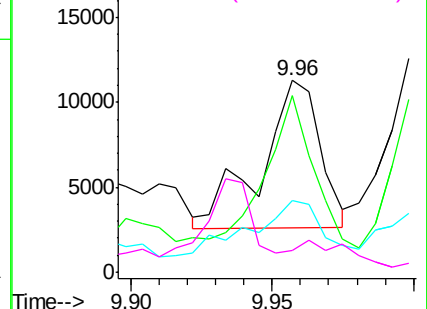
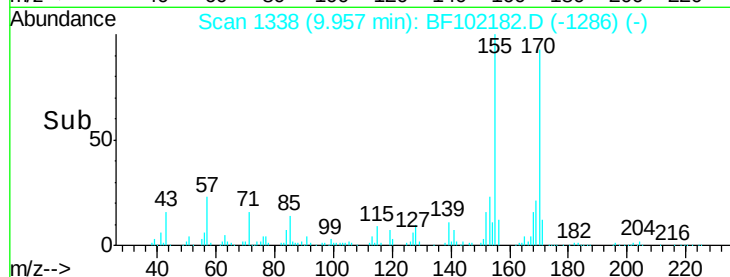


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 4.139 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

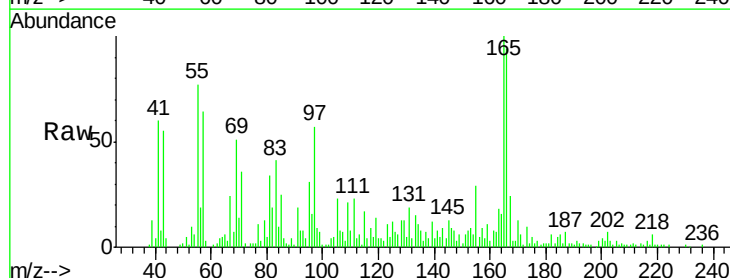
Tgt Ion:166 Resp: 65124

Ion Ratio Lower Upper

166 100

165 106.5 79.8 119.8

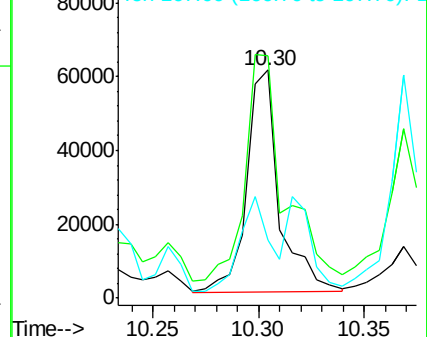
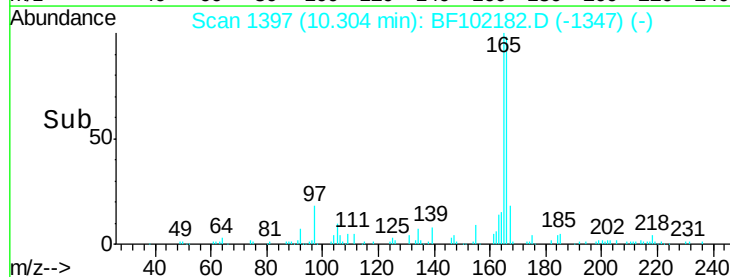
167 25.4 10.6 16.0#

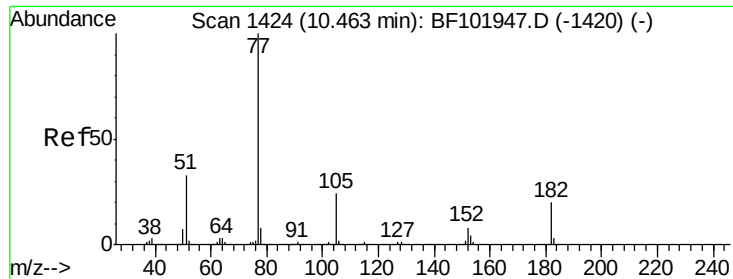


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#62

Azobenzene

Concen: 7.975 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.02 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 159062

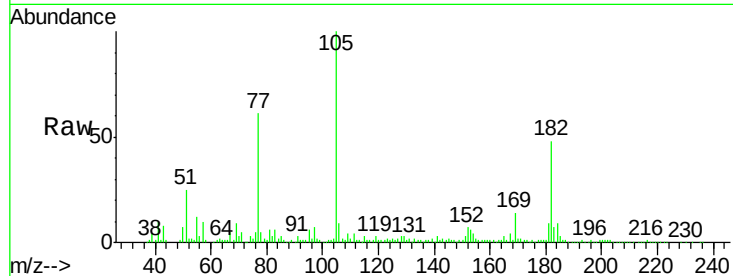
Ion Ratio Lower Upper

77 100

182 78.4 1.7 41.7#

105 164.5 3.0 43.0#

51 40.4 9.9 49.9

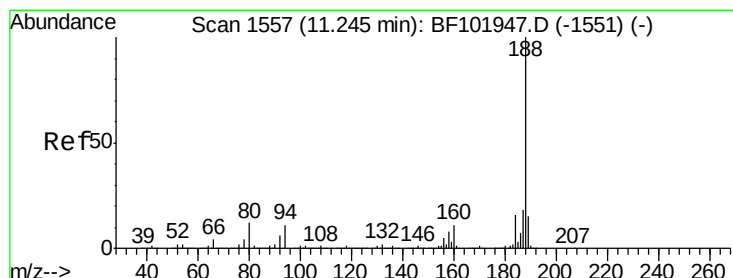
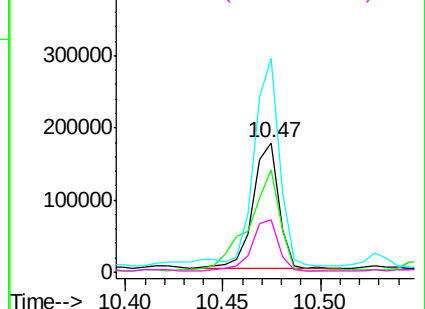
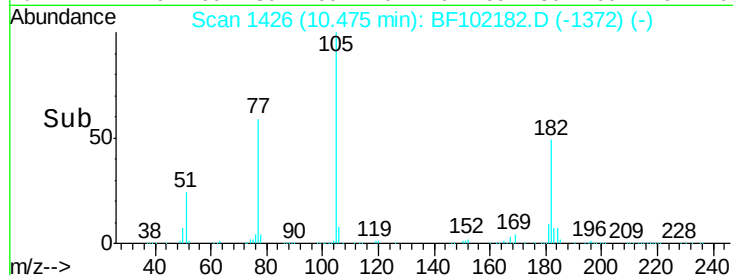


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. 0.00 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

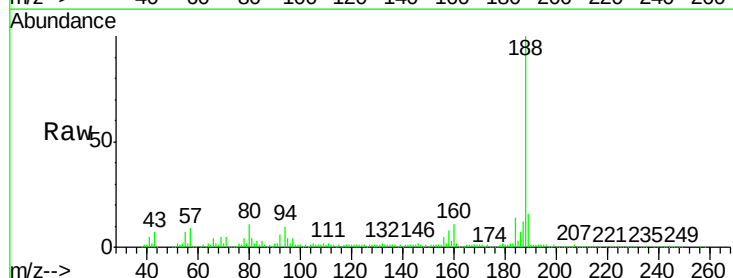
Tgt Ion: 188 Resp: 381014

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

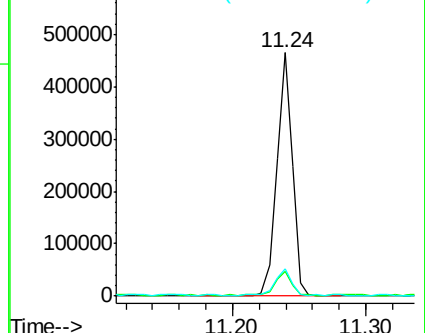
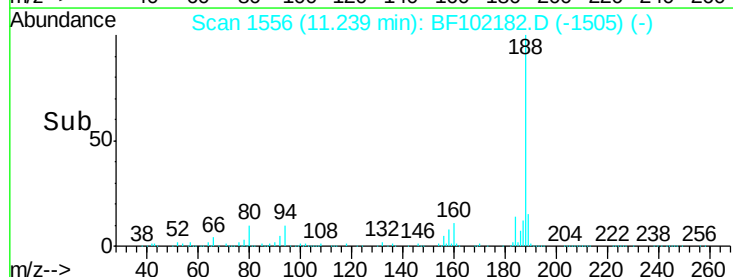
80 11.0 9.2 13.8

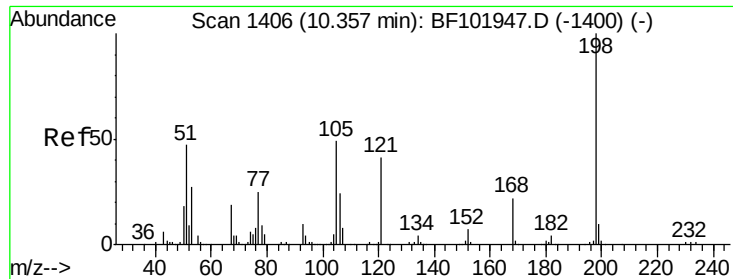


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

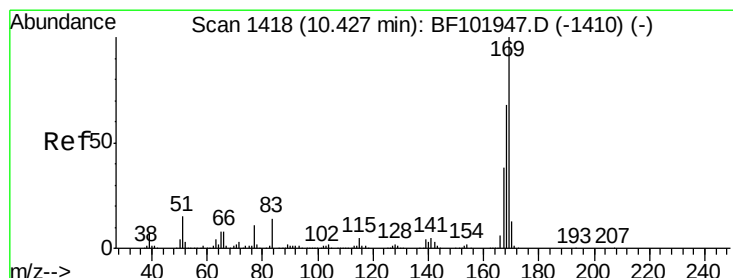
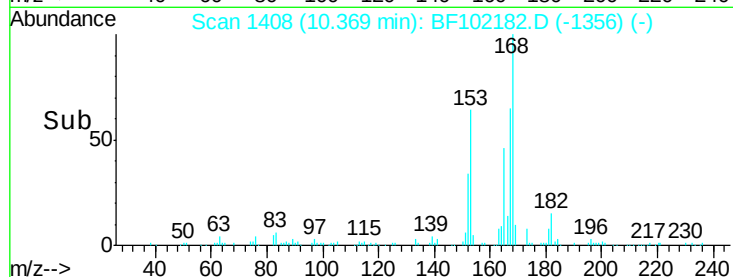
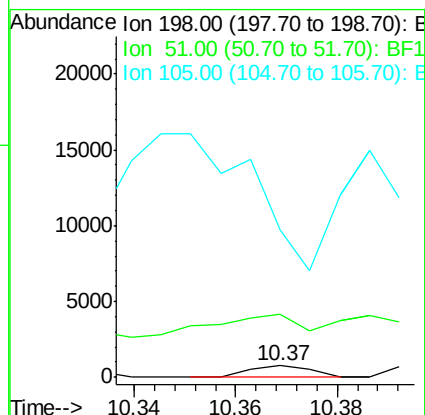
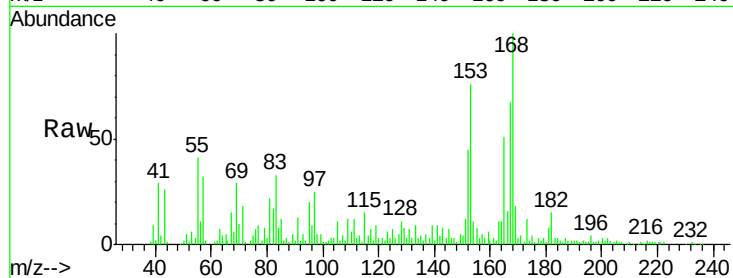




#64
4,6-Dinitro-2-methylphenol
Concen: 5.946 ng
RT: 10.37 min Scan# 1408
Delta R.T. 0.01 min
Lab File: BF102182.D
Acq: 18 Jan 2018 6:49

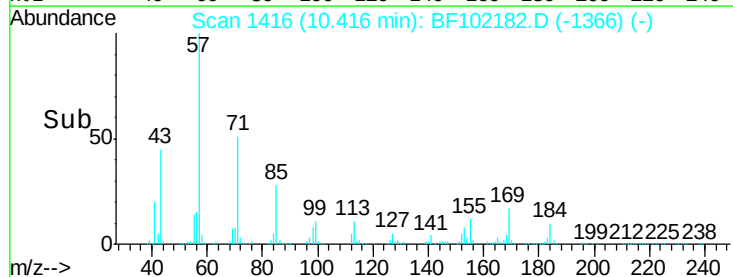
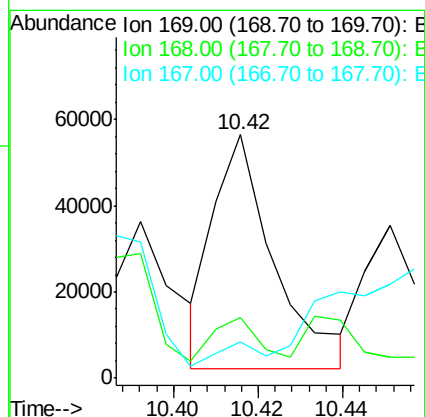
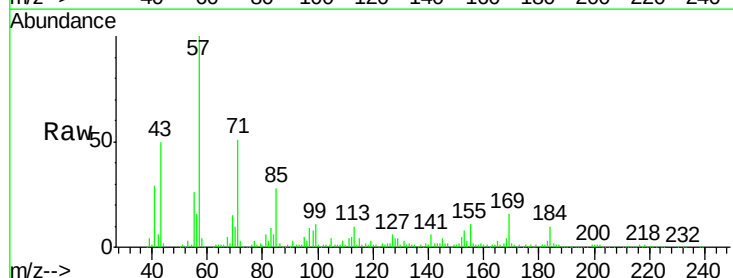
Instrument :
BNA_F
ClientSampleId :

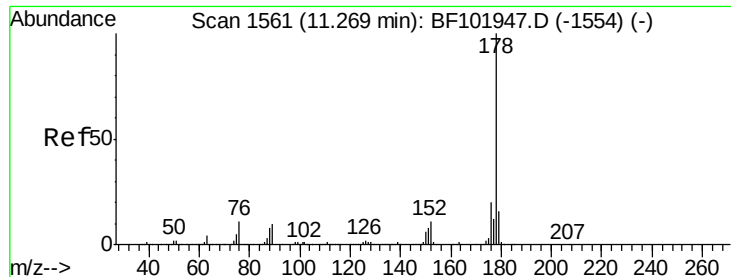
Tot Ion:198 Resp: 666
Ion Ratio Lower Upper
198 100
51 537.1 37.7 77.7#
105 1251.0 36.3 76.3#



#65
n-Nitrosodiphenylamine
Concen: 3.802 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BF102182.D
Acq: 18 Jan 2018 6:49

Tgt Ion:169 Resp: 54243
Ion Ratio Lower Upper
169 100
168 25.1 54.4 81.6#
167 14.7 29.8 44.6#





#70

Phenanthrene

Concen: 5.858 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

Instrument :

BNA_F

ClientSampleId :

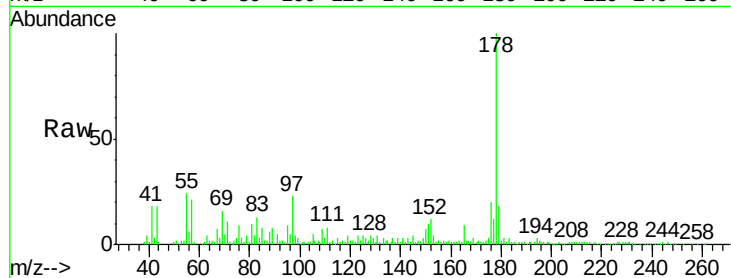
Tot Ion:178 Resp: 130374

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

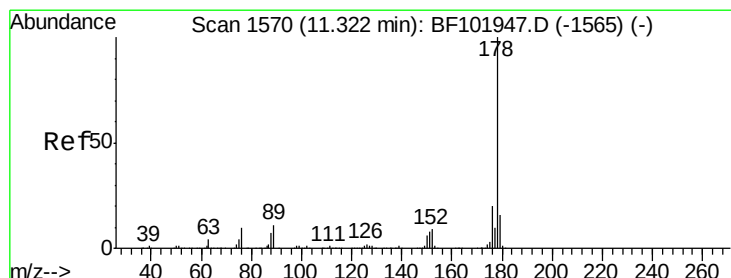
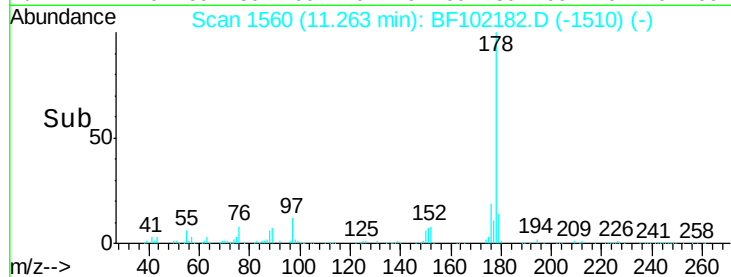
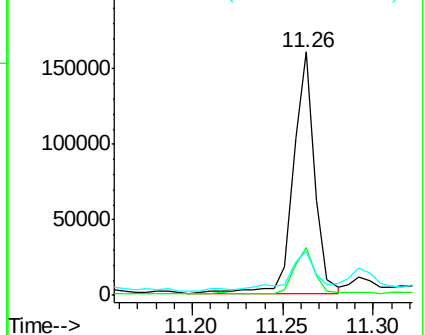
179 17.9 13.0 19.6



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: 5.776 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.05 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

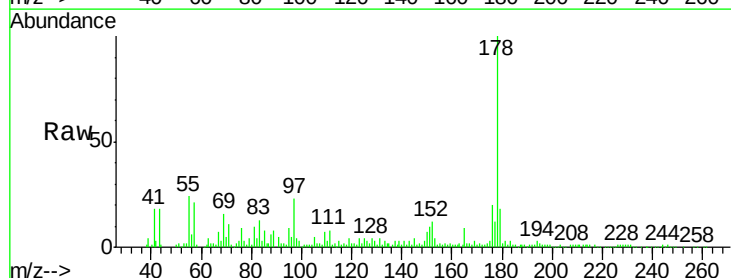
Tgt Ion:178 Resp: 130374

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.2

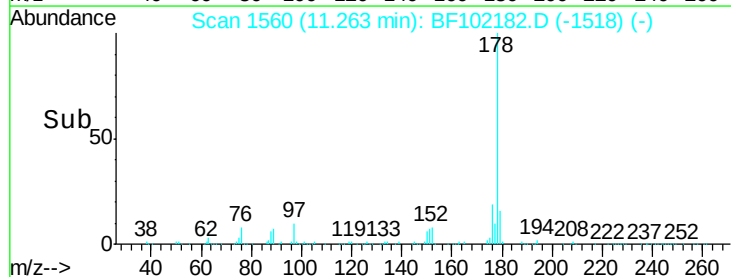
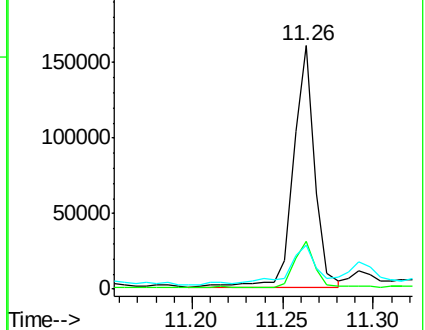
179 17.9 12.6 19.0

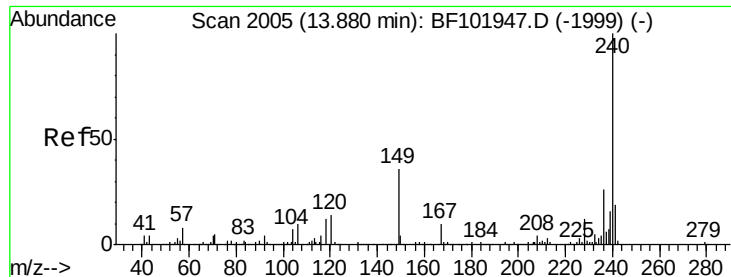


Abundance Ion 178.00 (177.70 to 178.70): E

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: BF102182.D

Acq: 18 Jan 2018 6:49

Instrument :

BNA_F

ClientSampleId :

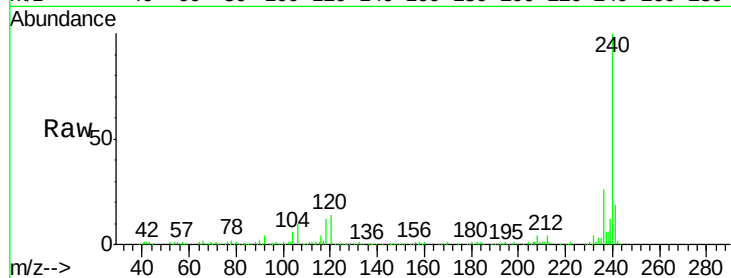
Tot Ion:240 Resp: 269269

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

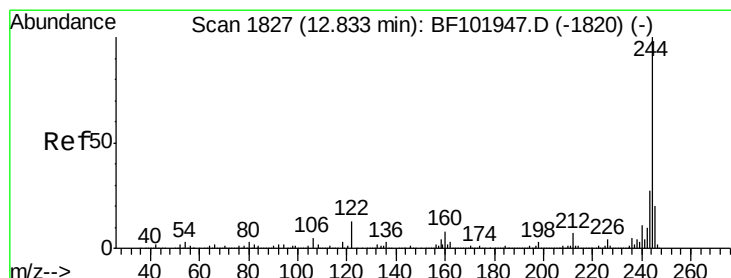
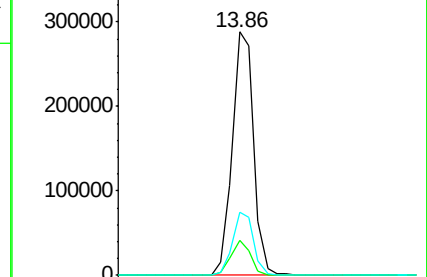
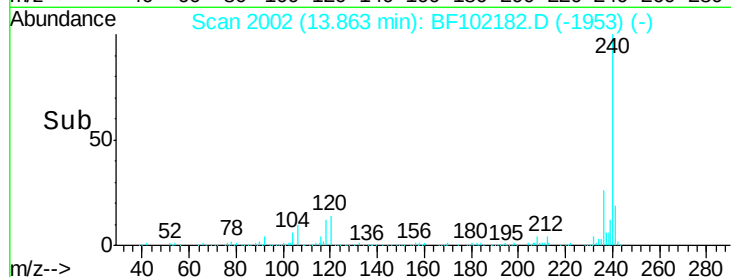
236 26.0 20.7 31.1



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: 70.203 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

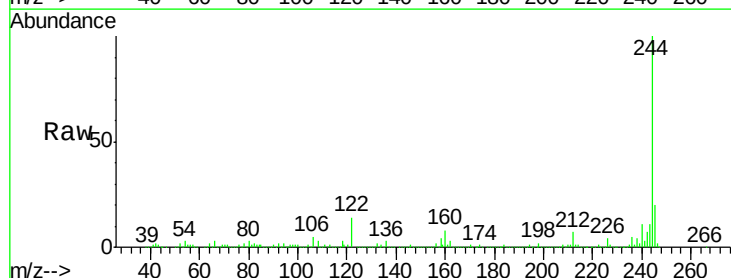
Tgt Ion:244 Resp: 910464

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

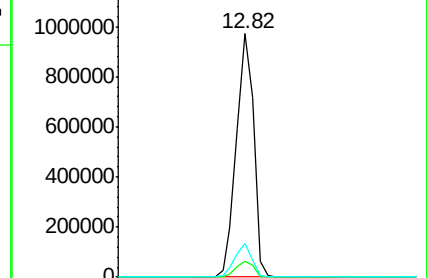
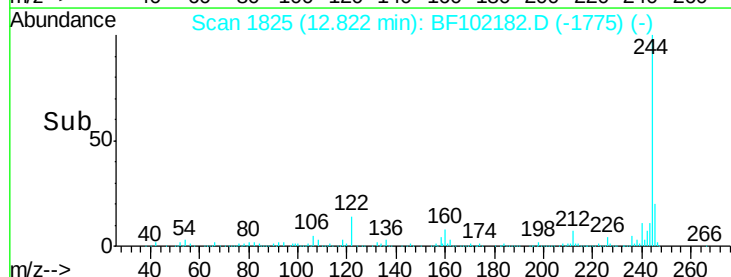
122 13.6 11.0 16.4

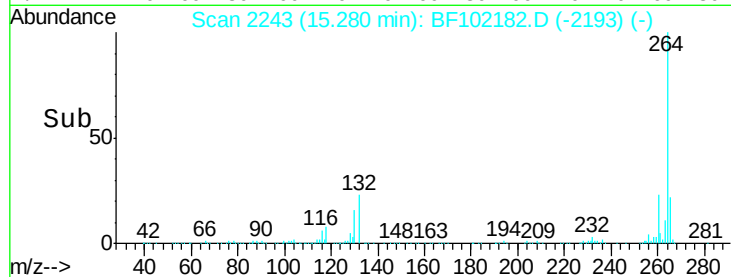
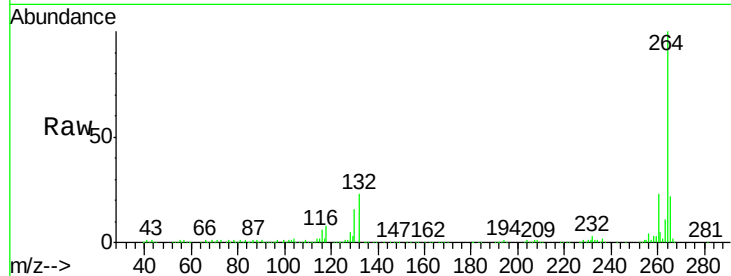
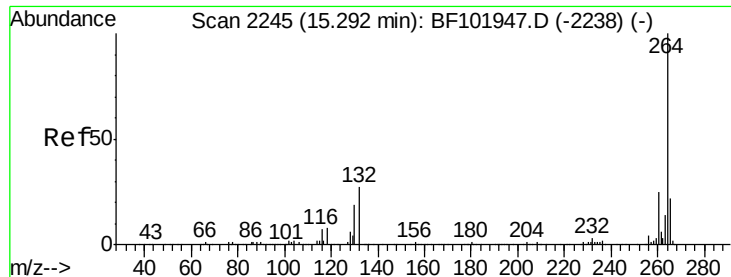


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF102182.D
 Acq: 18 Jan 2018 6:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.7	17.5	26.3

