

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011718\
 Data File : BF102159.D
 Acq On : 17 Jan 2018 19:27
 Operator : SJ/JU
 Sample : J1144-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 18 01:09:08 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	148674	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	575949	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	242290	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	352241	20.00	ng	0.00
75) Chrysene-d12	13.87	240	247459	20.00	ng	0.00
86) Perylene-d12	15.29	264	203257	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	986579	93.70	ng	0.01
7) Phenol-d6	6.36	99	1161569	92.47	ng	0.00
23) Nitrobenzene-d5	7.29	82	702011	71.63	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	211588	100.07	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	975871	62.92	ng	0.00
78) Terphenyl-d14	12.82	244	584969	49.08	ng	0.00

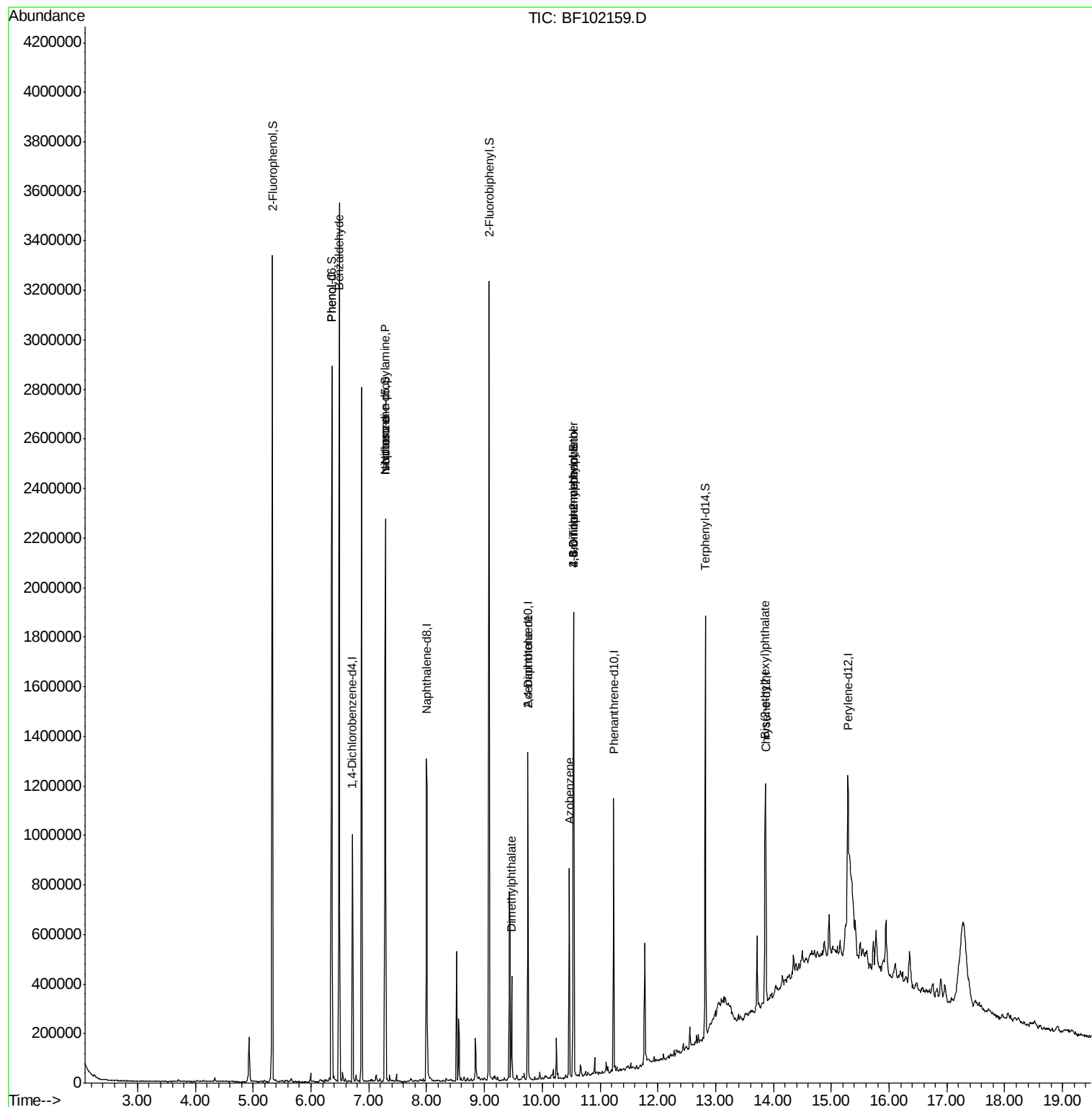
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	21936	2.515	ng	84
10) Phenol	6.37	94	53123	3.742	ng	95
19) n-Nitroso-di-n-propylamine	7.29	70	94370	11.464	ng	# 81
25) Isophorone	7.29	82	698182	36.052	ng	# 64
49) Dimethylphthalate	9.47	163	172289	8.864	ng	98
56) 2,4-Dinitrotoluene	9.75	165	30970	6.364	ng	# 24
62) Azobenzene	10.47	77	134728	7.004	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.54	198	537	5.910	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	13870	3.729	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.86	149	187877	16.315	ng	99

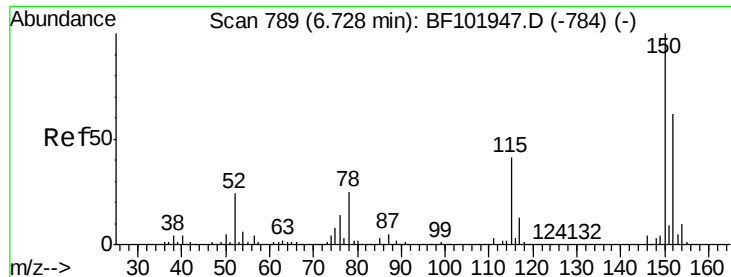
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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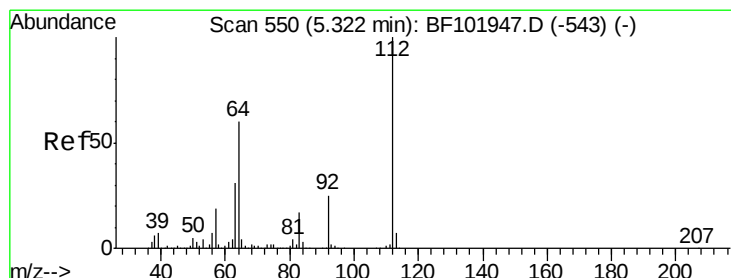
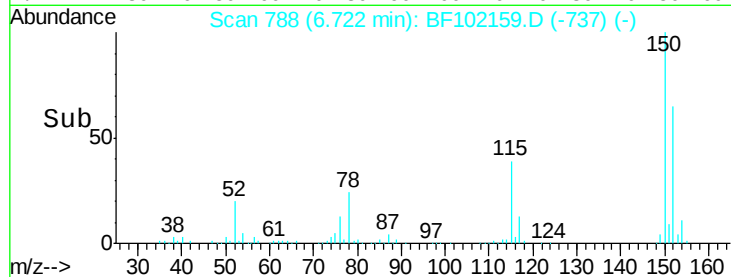
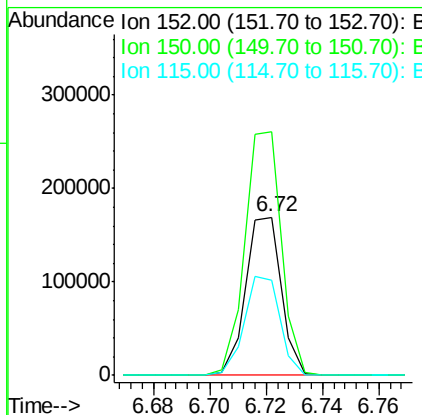
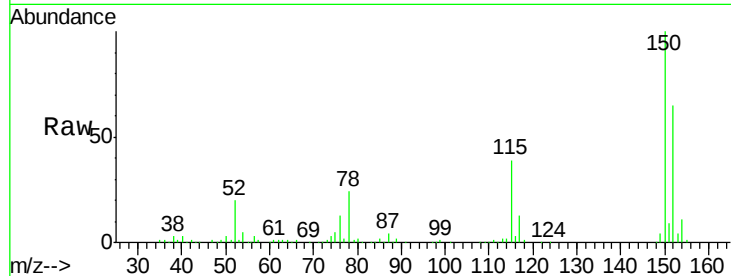


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF102159.D
 Acq: 17 Jan 2018 19:27

Instrument :
 BNA_F
 ClientSampleId :

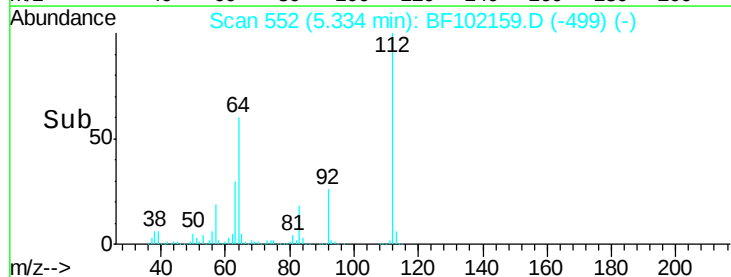
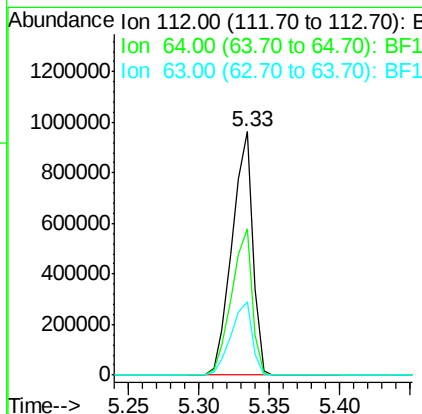
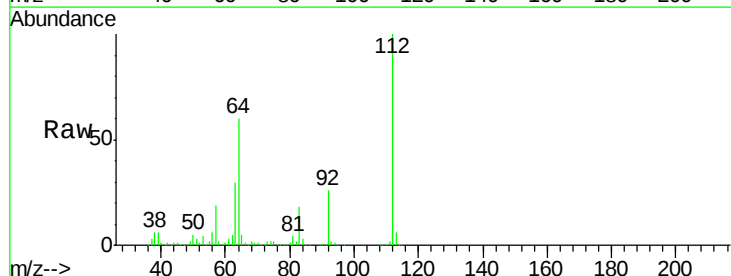
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	60.6	50.1	75.1

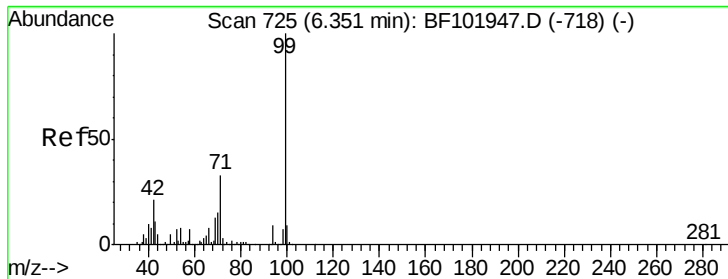


#5

2-Fluorophenol
 Concen: 93.704 ng
 RT: 5.33 min Scan# 552
 Delta R.T. 0.01 min
 Lab File: BF102159.D
 Acq: 17 Jan 2018 19:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	47.9	71.9
63	30.3	23.7	35.5





#7

Phenol-d6

Concen: 92.468 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102159.D

Acq: 17 Jan 2018 19:27

Instrument :

BNA_F

ClientSampled :

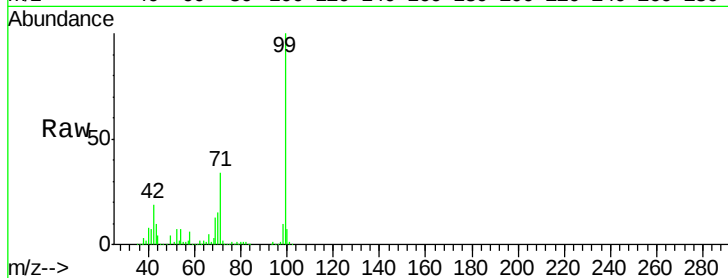
Tot Ion: 99 Resp: 1161569

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

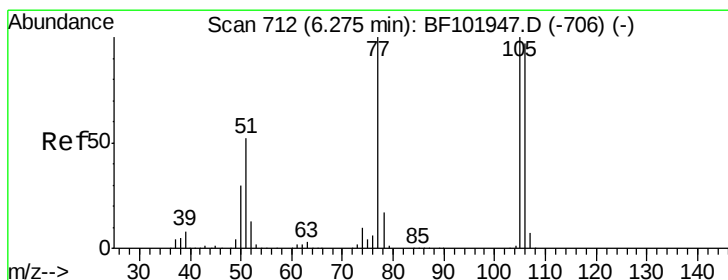
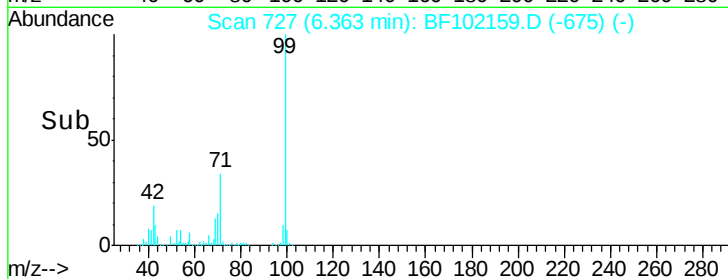
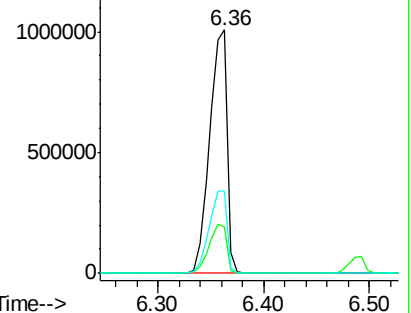
71 33.9 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.515 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102159.D

Acq: 17 Jan 2018 19:27

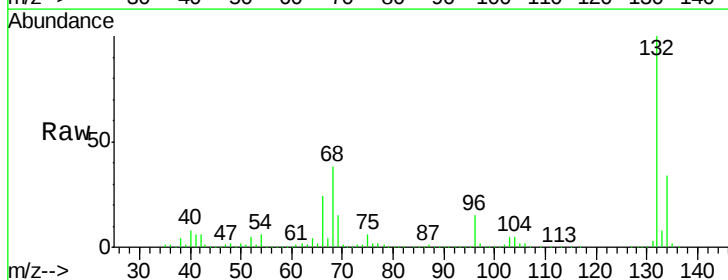
Tgt Ion: 77 Resp: 21936

Ion Ratio Lower Upper

77 100

105 85.1 81.1 121.1

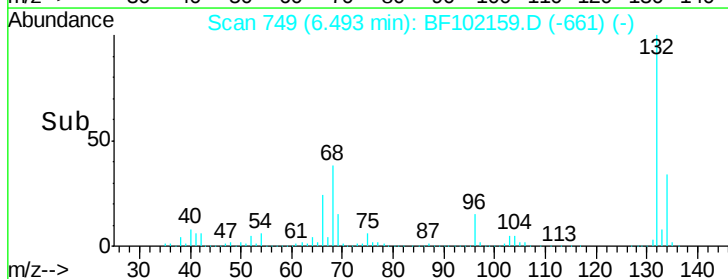
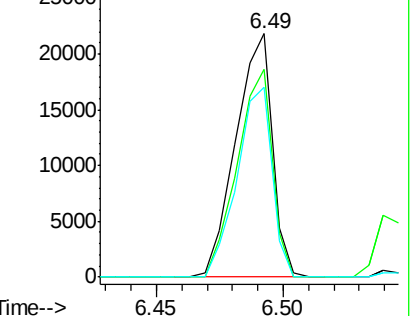
106 78.1 74.5 114.5

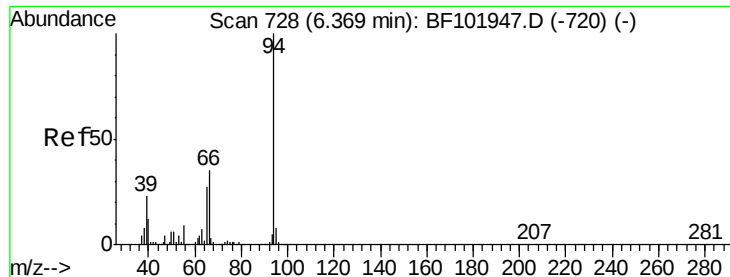


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.742 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102159.D

Acq: 17 Jan 2018 19:27

Instrument :

BNA_F

ClientSampleId :

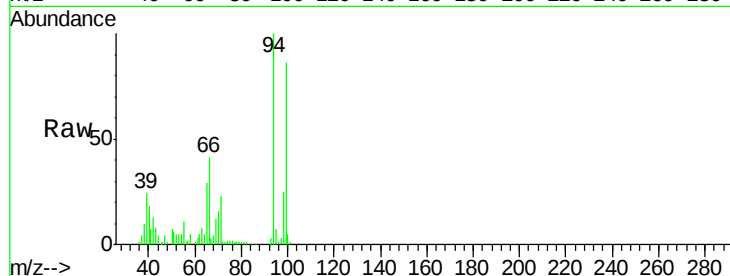
Tot Ion: 94 Resp: 53123

Ion Ratio Lower Upper

94 100

65 29.3 7.9 47.9

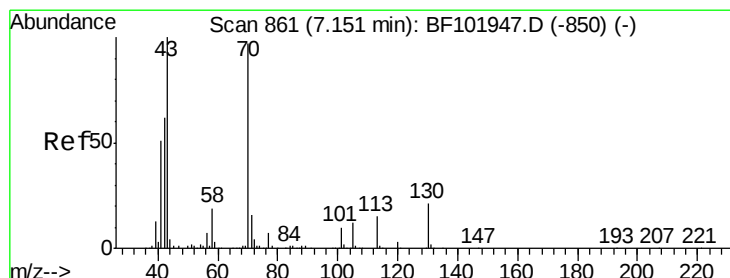
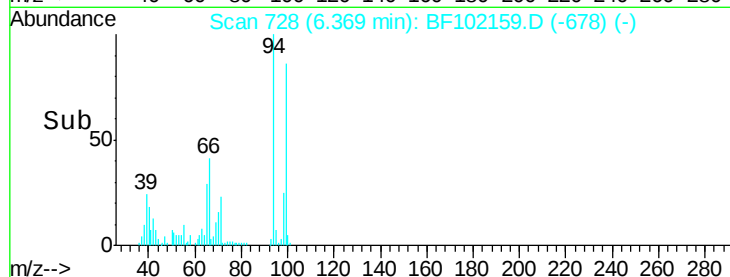
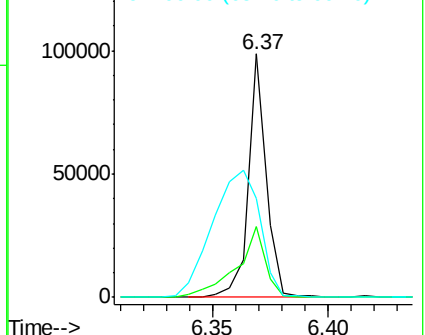
66 40.5 16.2 56.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.464 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102159.D

Acq: 17 Jan 2018 19:27

Tgt Ion: 70 Resp: 94370

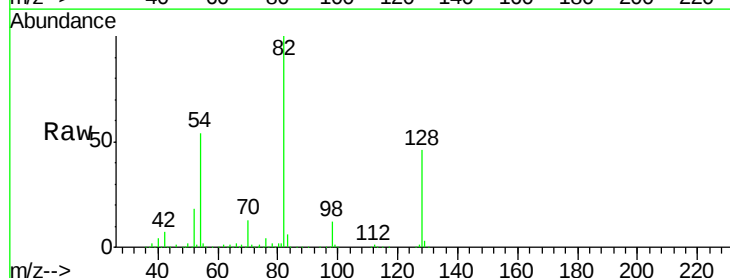
Ion Ratio Lower Upper

70 100

42 51.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

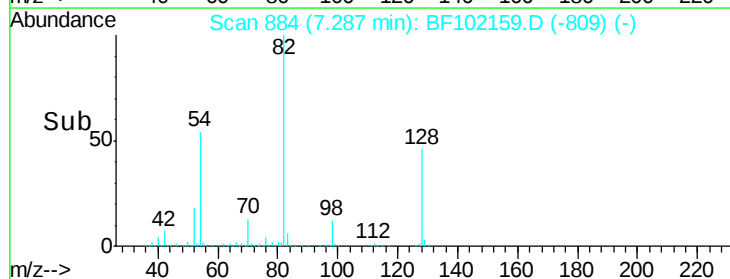
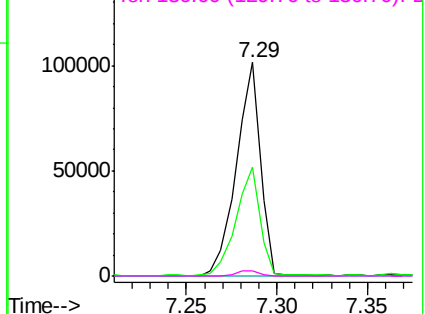


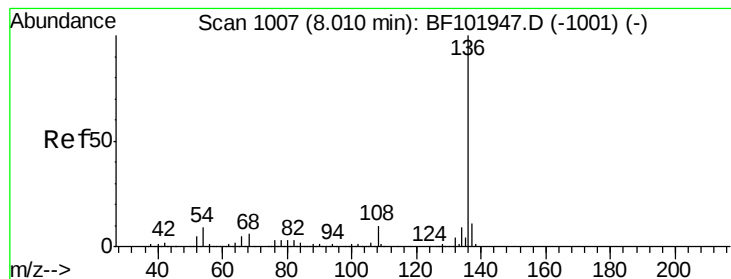
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF102159.D

Acq: 17 Jan 2018 19:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 575949

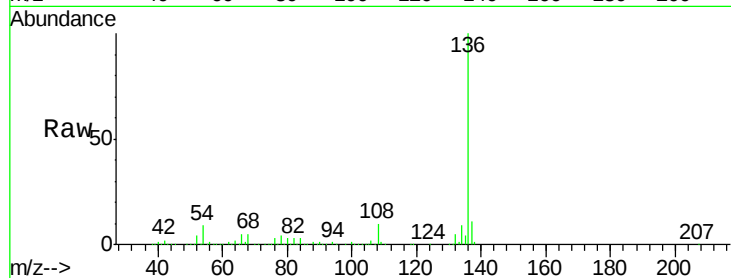
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.7 6.6 9.8

68 5.4 5.0 7.4

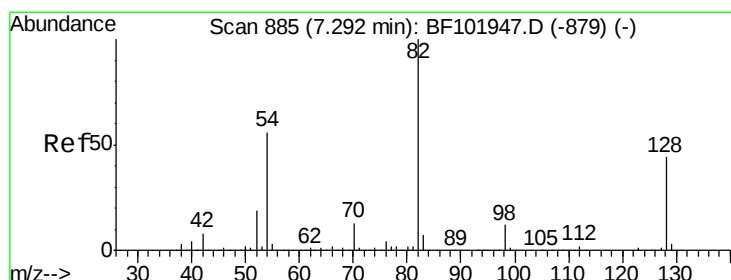
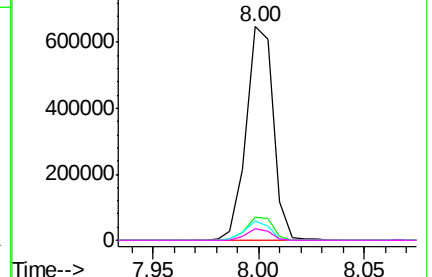
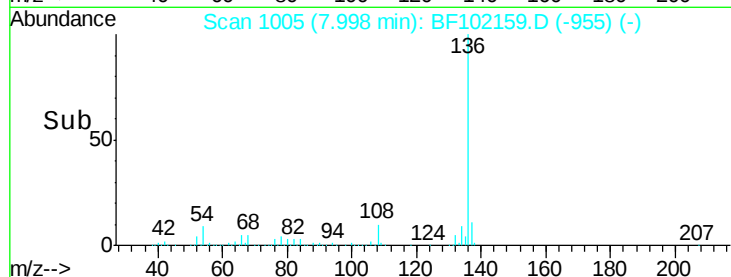


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.626 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102159.D

Acq: 17 Jan 2018 19:27

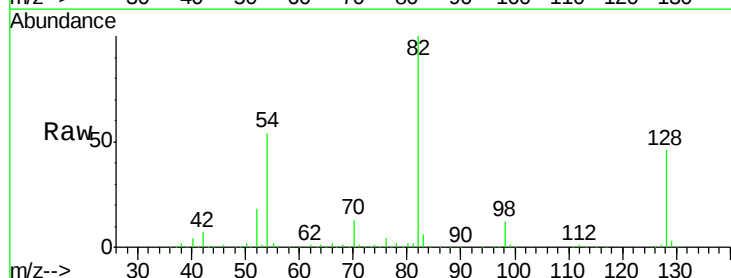
Tgt Ion: 82 Resp: 702011

Ion Ratio Lower Upper

82 100

128 46.1 36.1 54.1

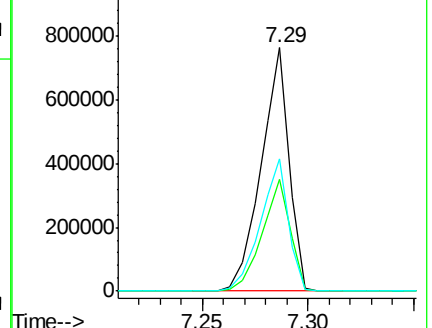
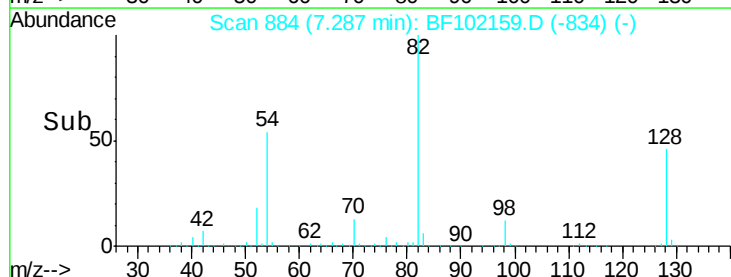
54 54.4 41.4 62.2

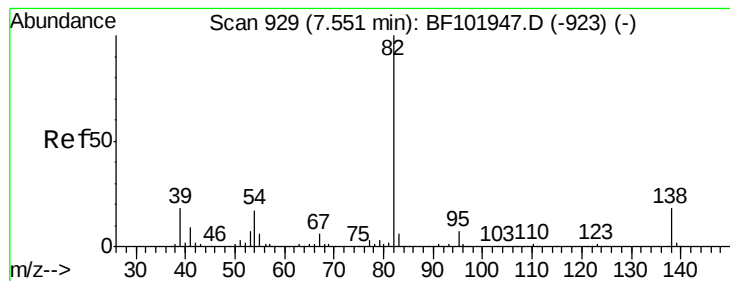


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.052 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102159.D

Acq: 17 Jan 2018 19:27

Instrument :

BNA_F

ClientSampleId :

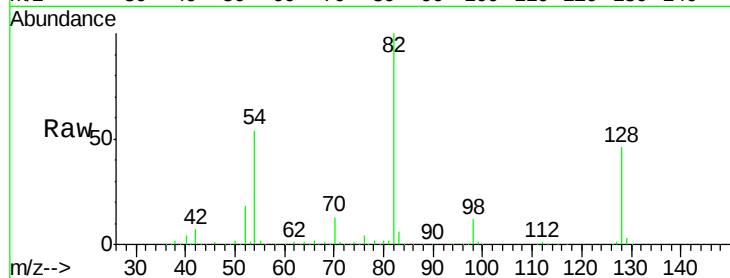
Tot Ion: 82 Resp: 698182

Ion Ratio Lower Upper

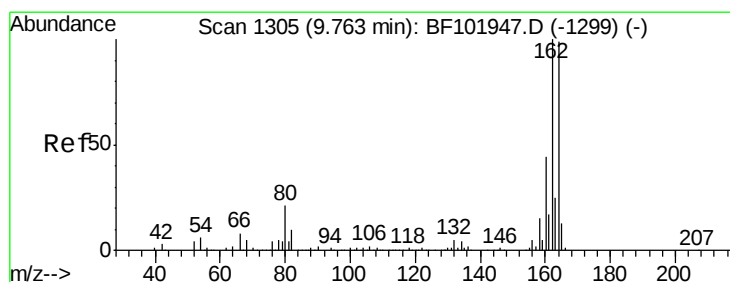
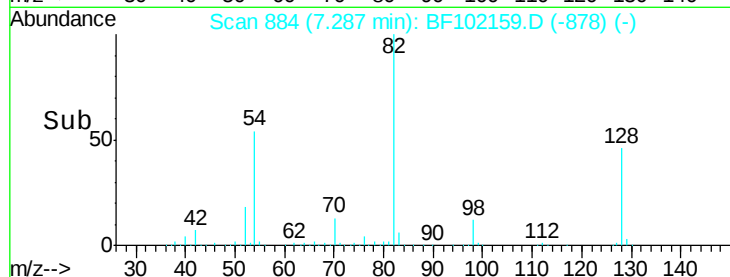
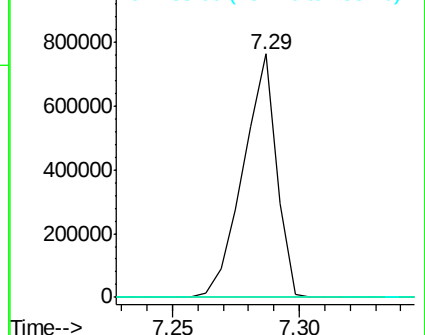
82 100

95 0.0 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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102159.D

Acq: 17 Jan 2018 19:27

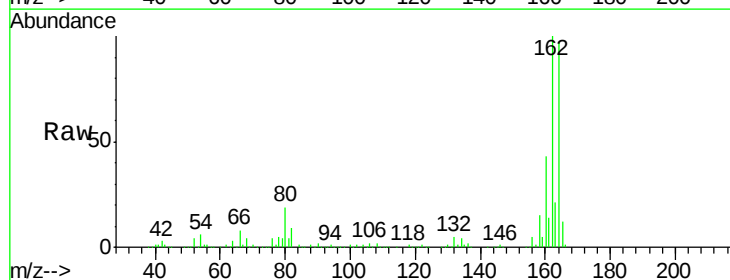
Tgt Ion: 164 Resp: 242290

Ion Ratio Lower Upper

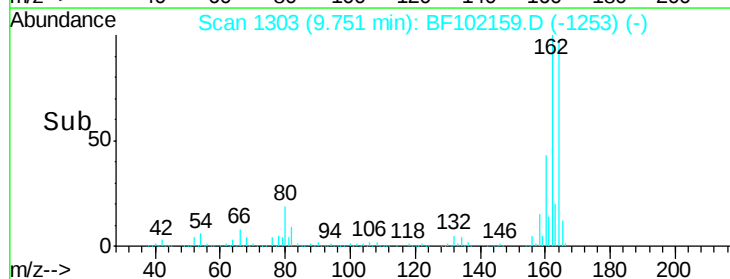
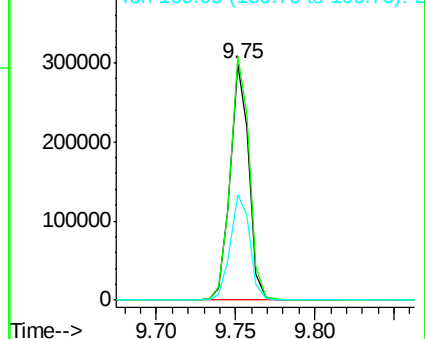
164 100

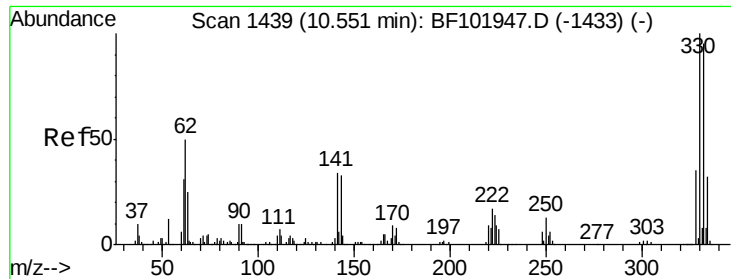
162 103.0 86.1 129.1

160 44.8 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

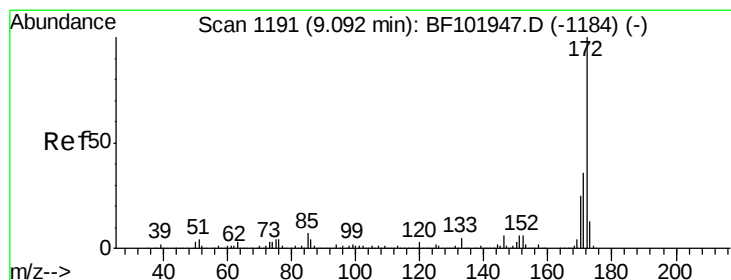
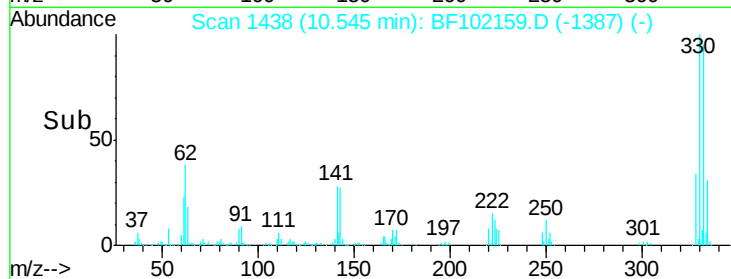
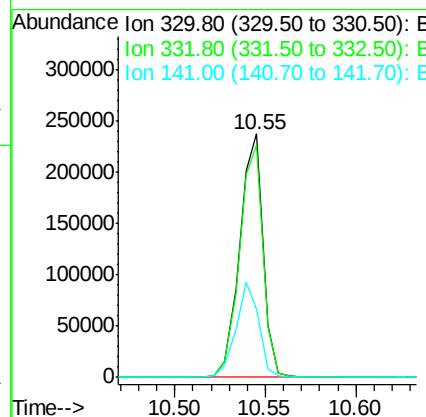
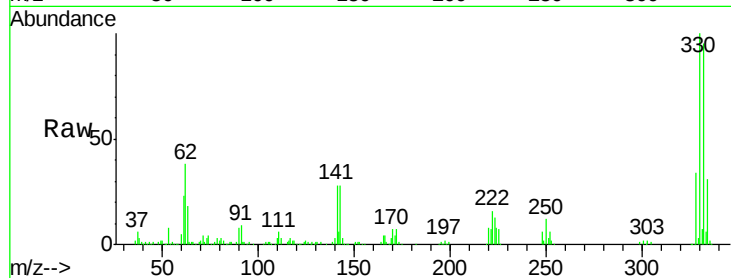




#41
 2,4,6-Tribromophenol
 Concen: 100.068 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102159.D
 Acq: 17 Jan 2018 19:27

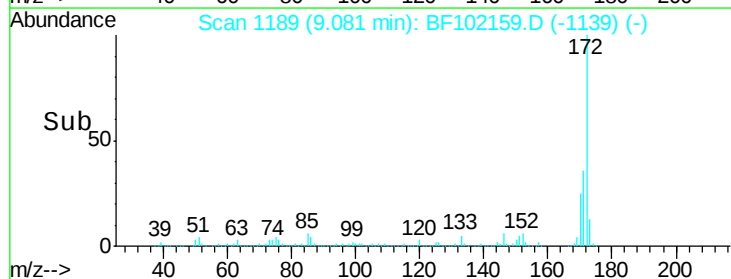
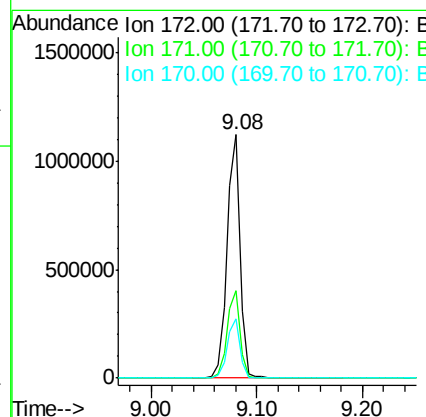
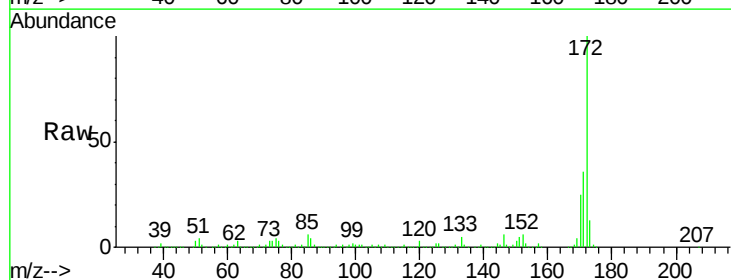
Instrument :
 BNA_F
 ClientSampleId :

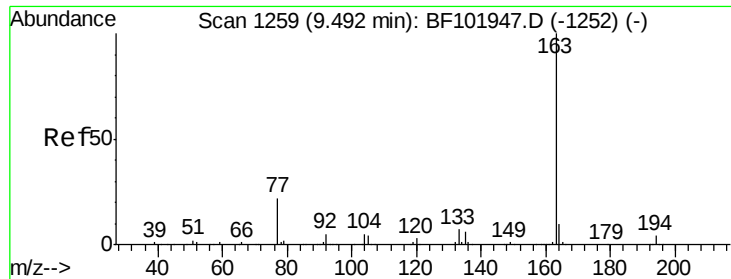
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	38.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 62.924 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102159.D
 Acq: 17 Jan 2018 19:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.6	19.6	29.4

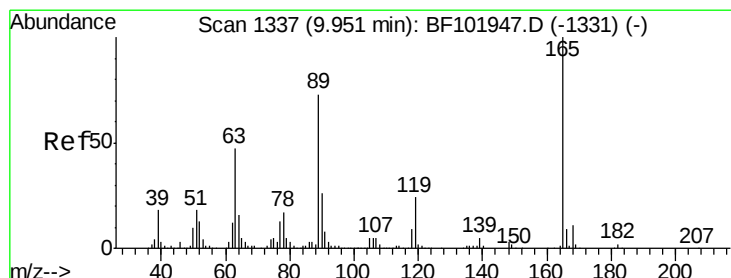
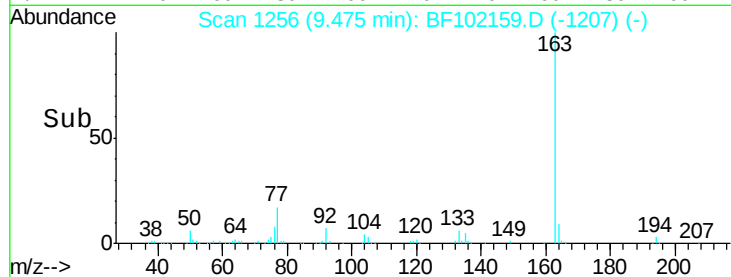
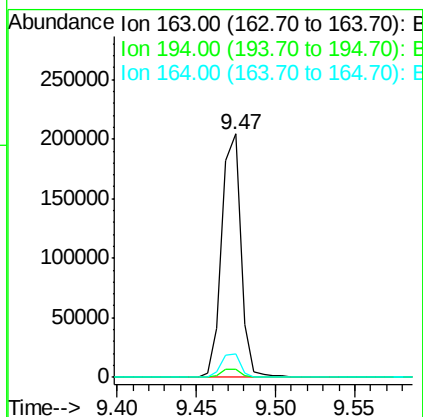
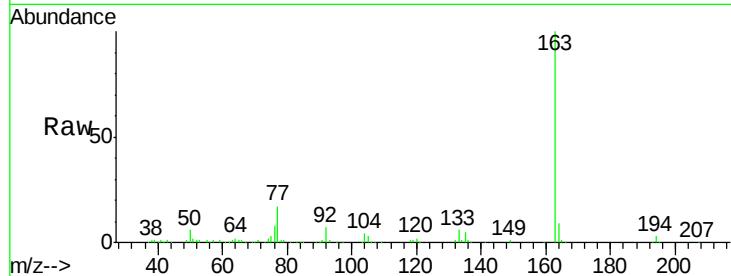




#49
Dimethylphthalate
Concen: 8.864 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF102159.D
Acq: 17 Jan 2018 19:27

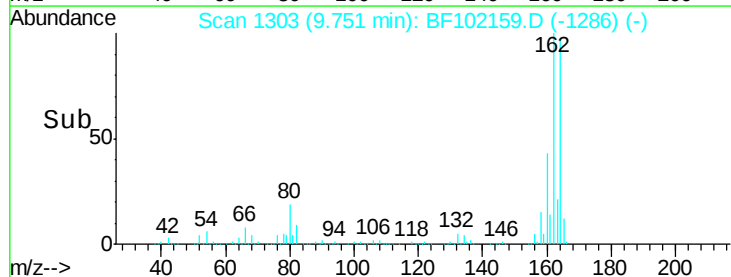
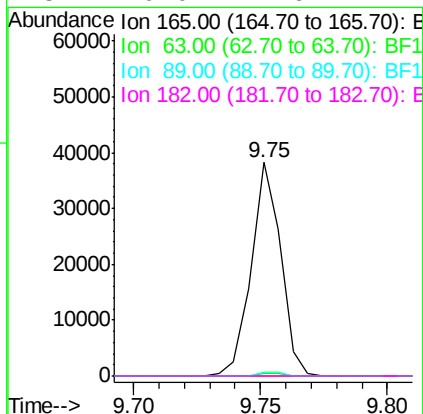
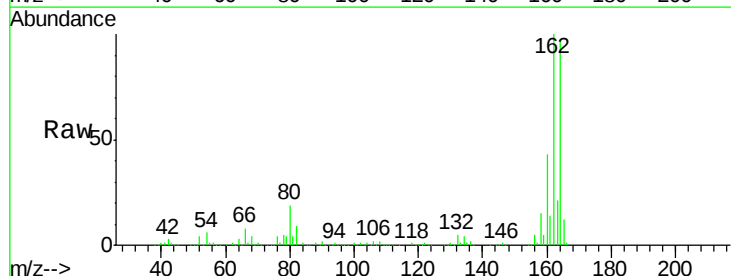
Instrument :
BNA_F
ClientSampleId :

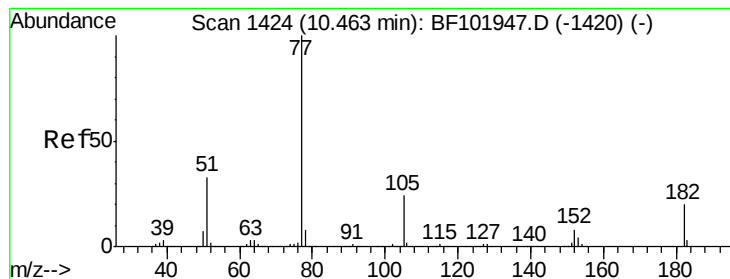
Tot Ion:163 Resp: 172289
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.4 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 6.364 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.20 min
Lab File: BF102159.D
Acq: 17 Jan 2018 19:27

Tgt Ion:165 Resp: 30970
Ion Ratio Lower Upper
165 100
63 1.3 36.4 54.6#
89 2.0 57.8 86.6#
182 0.0 1.6 2.4#





#62

Azobenzene

Concen: 7.004 ng

RT: 10.47 min Scan# 1425

Delta R.T. 0.01 min

Lab File: BF102159.D

Acq: 17 Jan 2018 19:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 134728

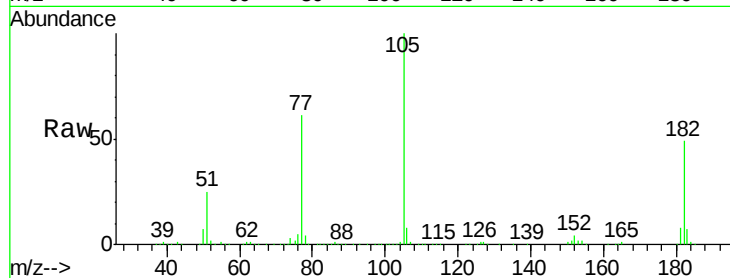
Ion Ratio Lower Upper

77 100

182 80.7 1.7 41.7#

105 164.4 3.0 43.0#

51 40.6 9.9 49.9

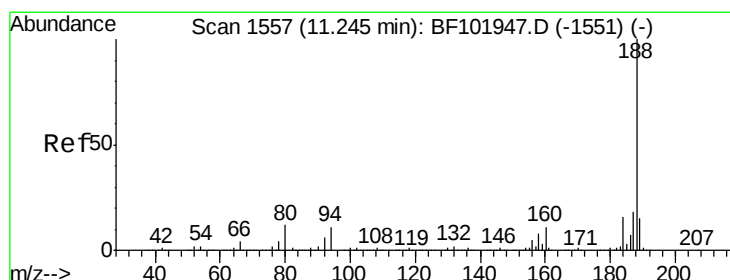
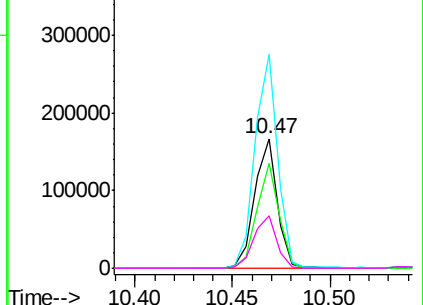
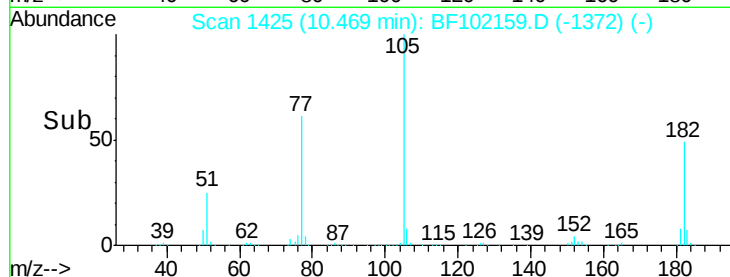


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF102159.D

Acq: 17 Jan 2018 19:27

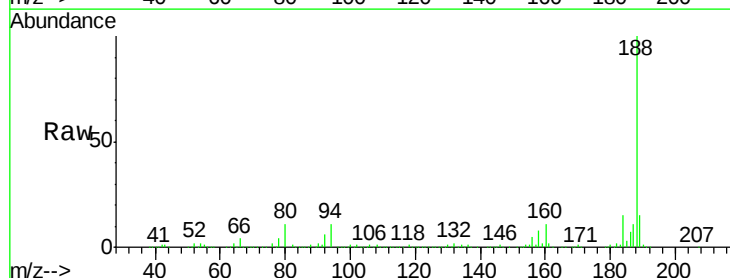
Tgt Ion: 188 Resp: 352241

Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

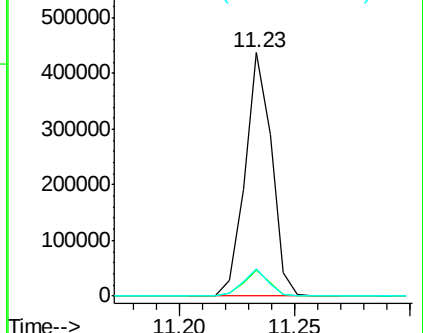
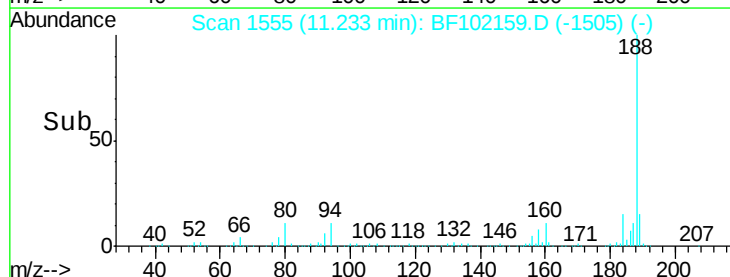
80 11.2 9.2 13.8

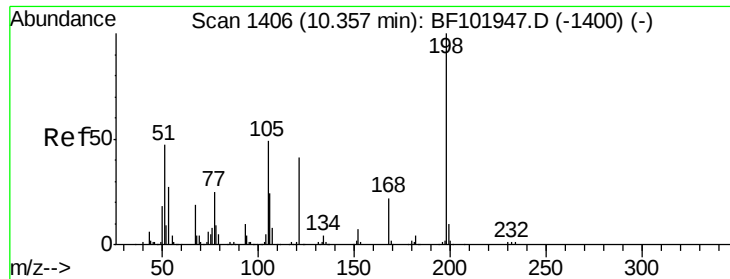


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

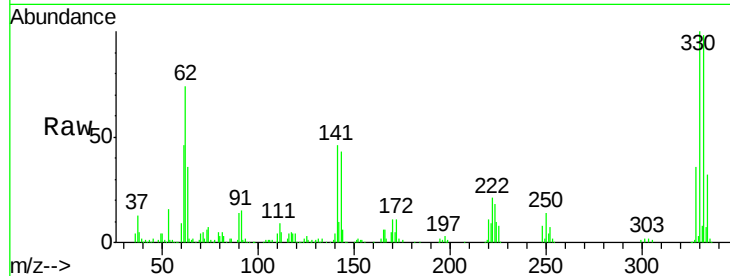




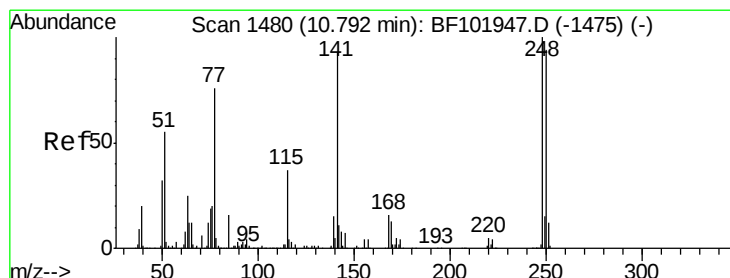
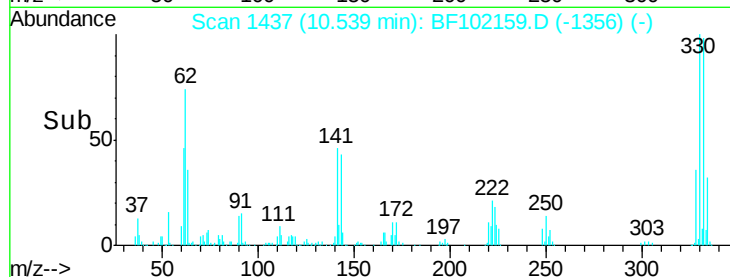
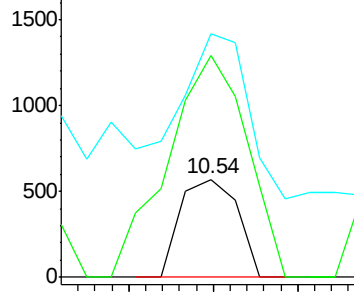
#64
4,6-Dinitro-2-methylphenol
Concen: 5.910 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.18 min
Lab File: BF102159.D
Acq: 17 Jan 2018 19:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 537
Ion Ratio Lower Upper
198 100
51 227.2 37.7 77.7#
105 249.2 36.3 76.3#

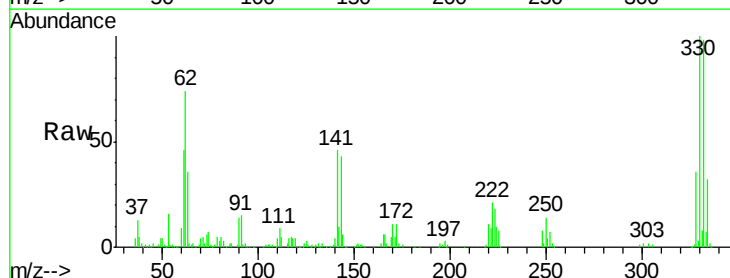


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

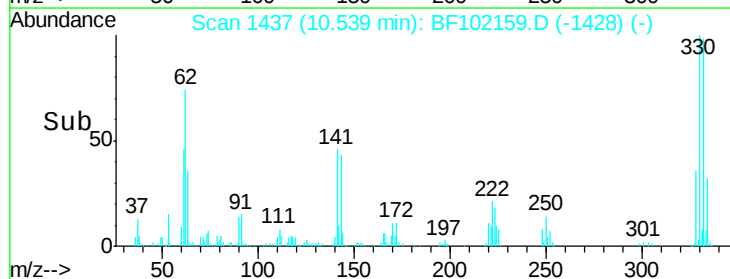
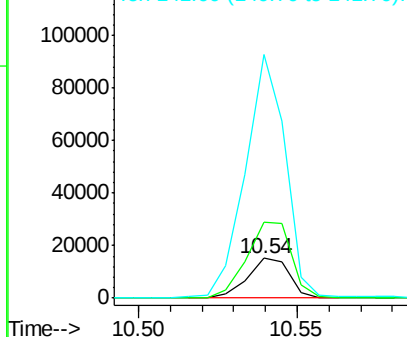


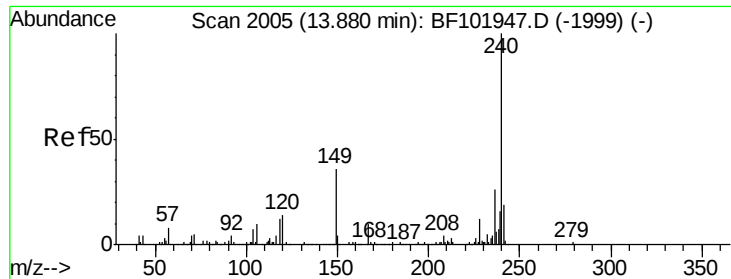
#66
4-Bromophenyl-phenylether
Concen: 3.729 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF102159.D
Acq: 17 Jan 2018 19:27

Tgt Ion:248 Resp: 13870
Ion Ratio Lower Upper
248 100
250 190.7 76.9 115.3#
141 614.1 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102159.D

Acq: 17 Jan 2018 19:27

Instrument :

BNA_F

ClientSampleId :

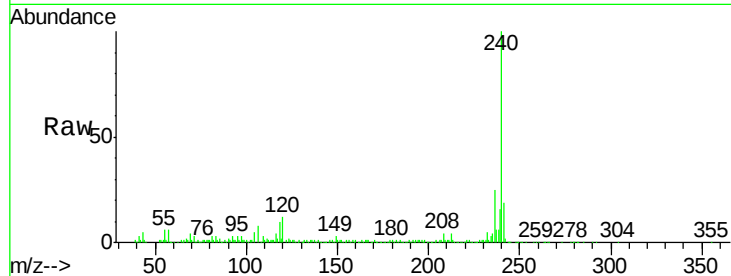
Tot Ion:240 Resp: 247459

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

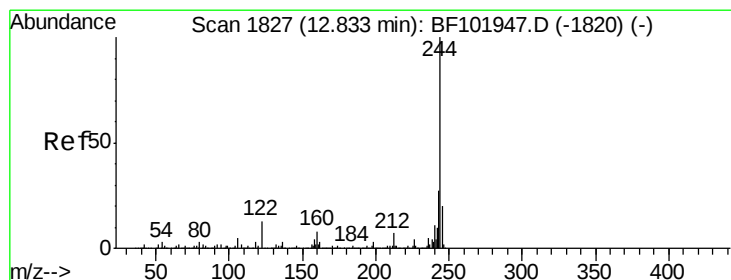
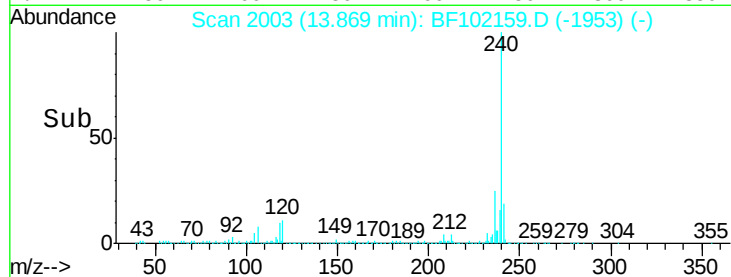
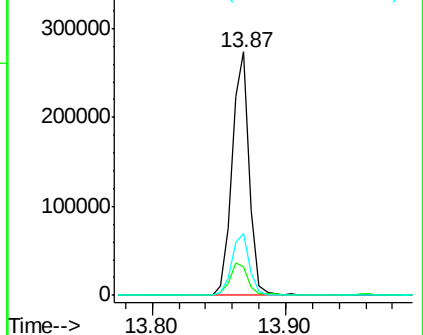
236 25.3 20.7 31.1



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: 49.081 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102159.D

Acq: 17 Jan 2018 19:27

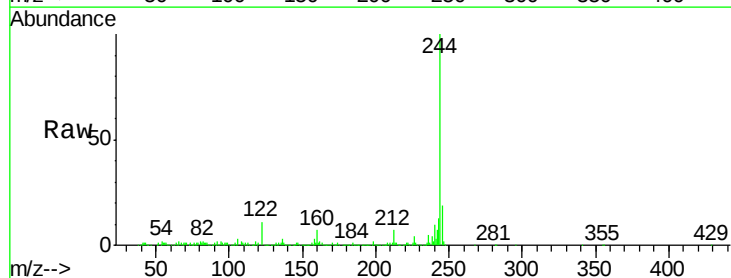
Tgt Ion:244 Resp: 584969

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

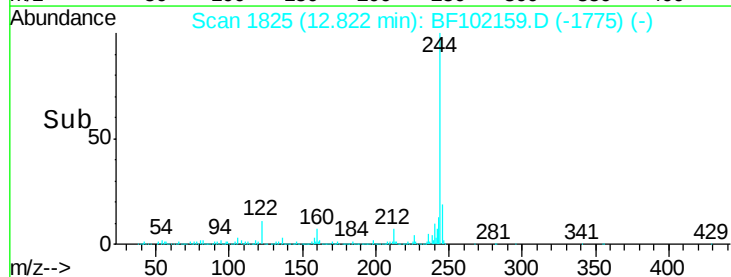
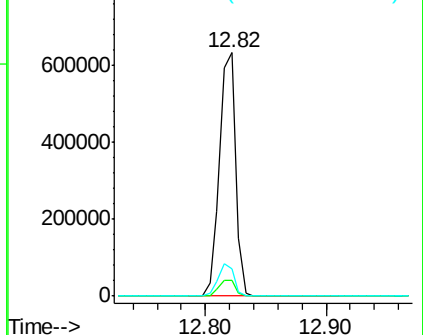
122 11.4 11.0 16.4

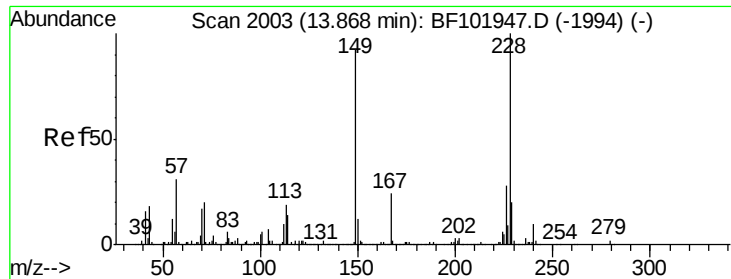


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 16.315 ng

RT: 13.86 min Scan# 2001

Delta R.T. 0.00 min

Lab File: BF102159.D

Acq: 17 Jan 2018 19:27

Instrument :

BNA_F

ClientSampleId :

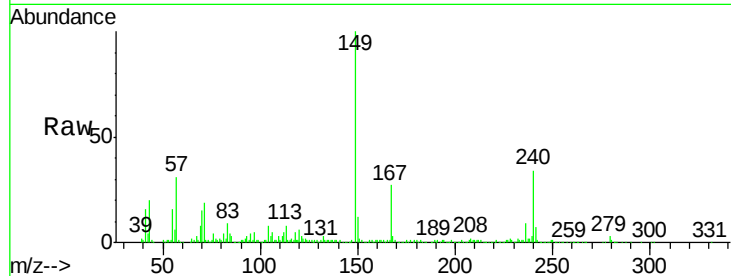
Tot Ion:149 Resp: 187877

Ion Ratio Lower Upper

149 100

167 27.0 21.3 31.9

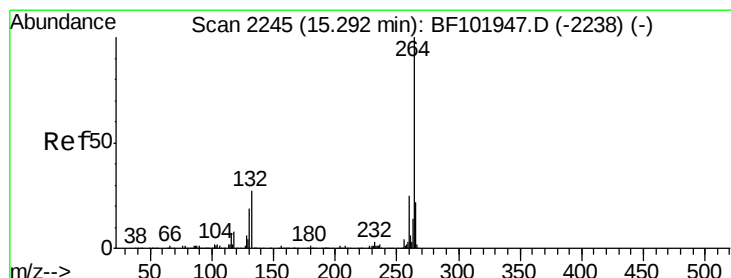
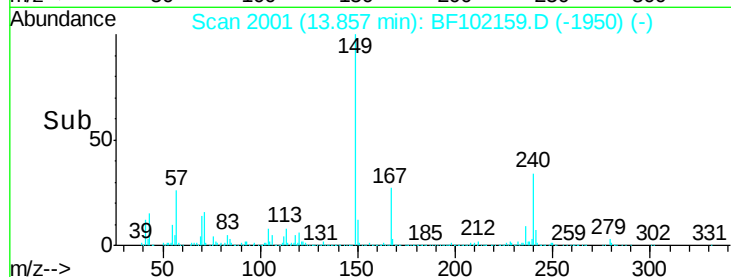
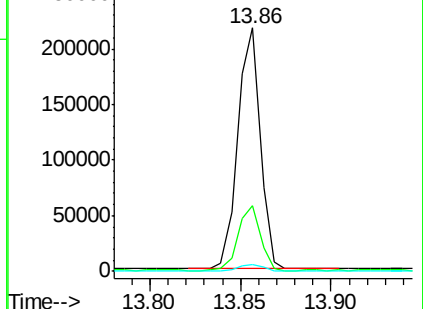
279 3.0 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.00 min

Lab File: BF102159.D

Acq: 17 Jan 2018 19:27

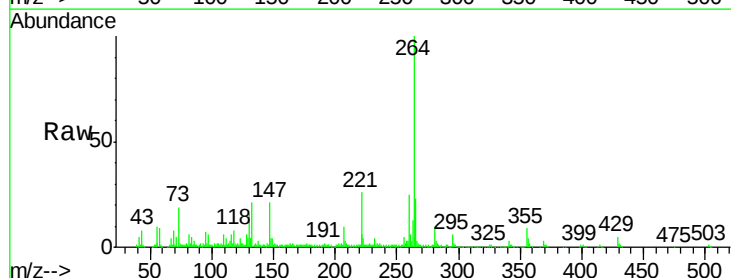
Tgt Ion:264 Resp: 203257

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

265 22.8 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

