

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
 Data File : BF102320.D
 Acq On : 23 Jan 2018 00:45
 Operator : SJ/JU
 Sample : J1238-14
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 23 05:32:19 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	134506	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	532935	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	212720	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	314701	20.00	ng	0.00
75) Chrysene-d12	13.87	240	263491	20.00	ng	0.00
86) Perylene-d12	15.30	264	208315	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	944216	106.44	ng	0.02
7) Phenol-d6	6.37	99	1120085	104.73	ng	0.01
23) Nitrobenzene-d5	7.29	82	674392	72.72	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	185189	87.86	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	980244	67.76	ng	0.00
78) Terphenyl-d14	12.82	244	660742	56.53	ng	0.00

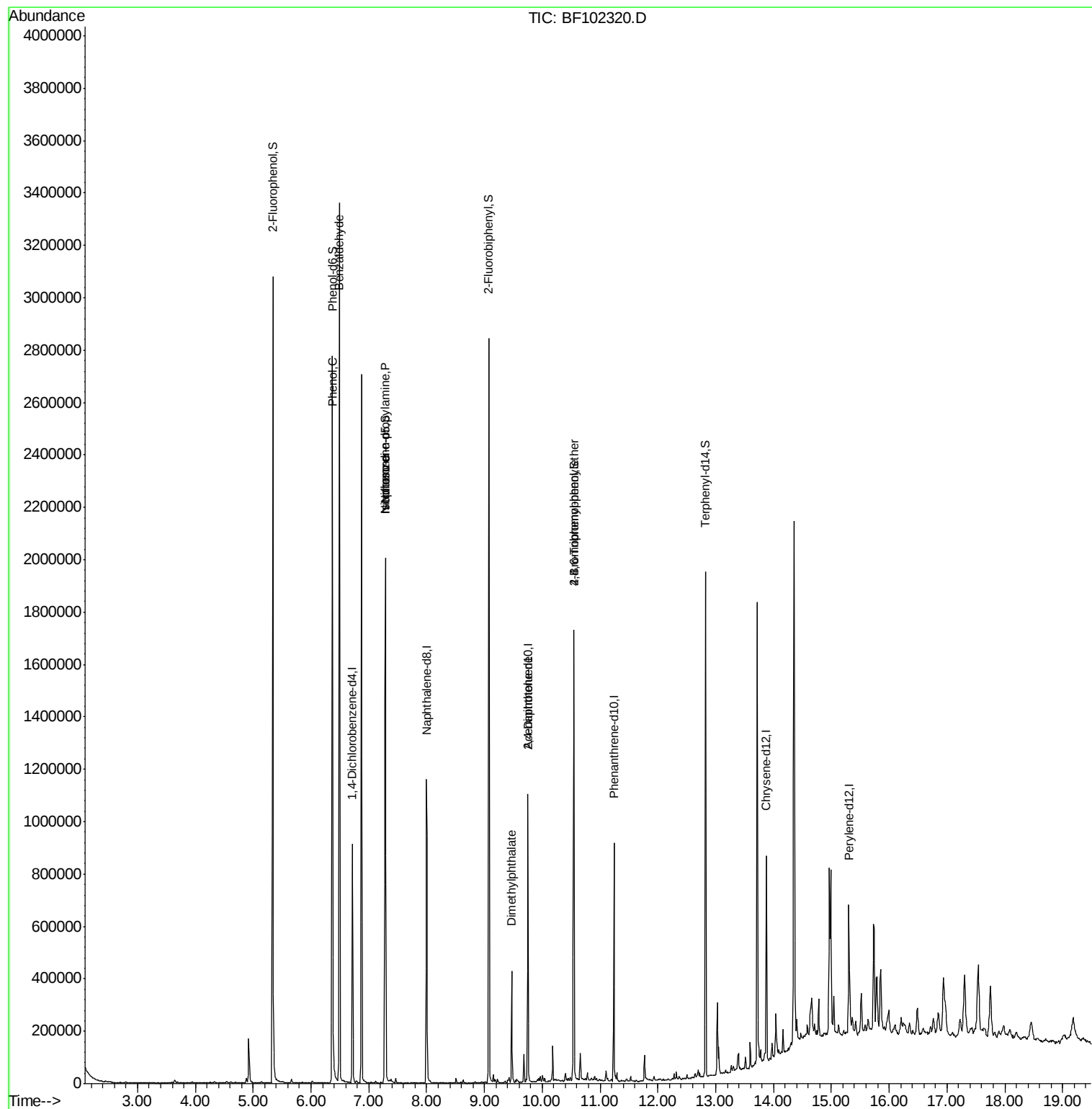
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	19845	2.681	ng	83
10) Phenol	6.38	94	42032	3.600	ng	94
19) n-Nitroso-di-n-propylamine	7.29	70	89010	13.600	ng	# 79
25) Isophorone	7.29	82	674388	40.791	ng	# 64
49) Dimethylphthalate	9.47	163	165257	9.399	ng	99
56) 2,4-Dinitrotoluene	9.75	165	26894	5.769	ng	# 22
66) 4-Bromophenyl-phenylether	10.55	248	11940	3.524	ng	# 1

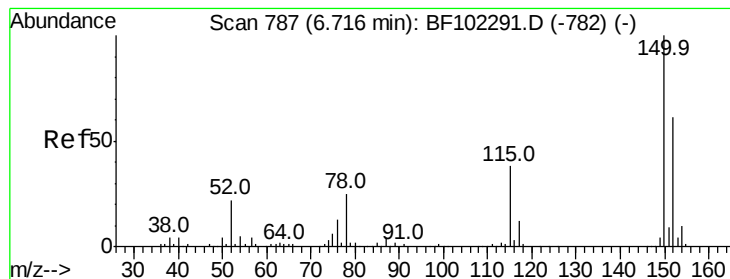
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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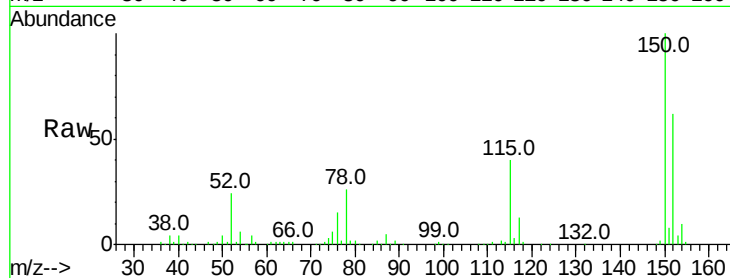


#1

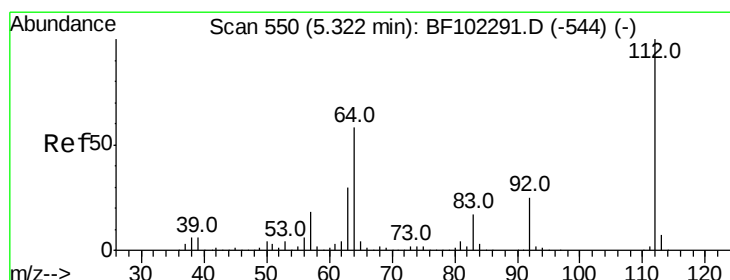
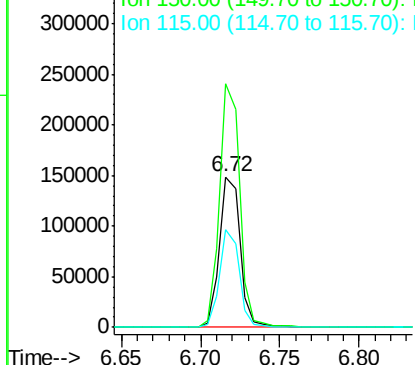
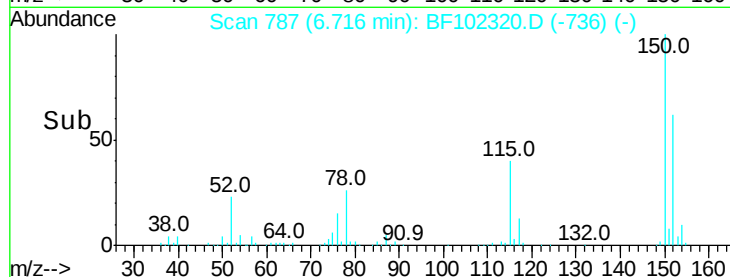
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102320.D
Acq: 23 Jan 2018 00:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 134506
Ion Ratio Lower Upper
152 100
150 162.1 124.6 186.8
115 65.5 50.1 75.1



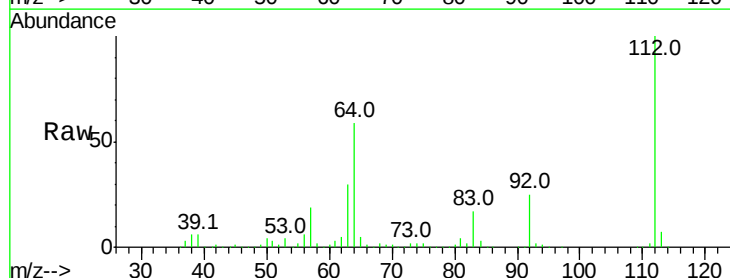
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



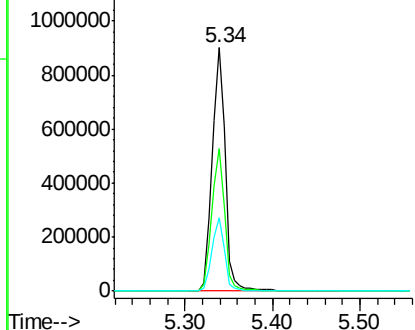
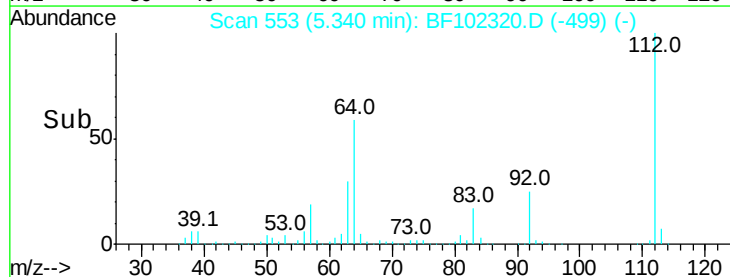
#5

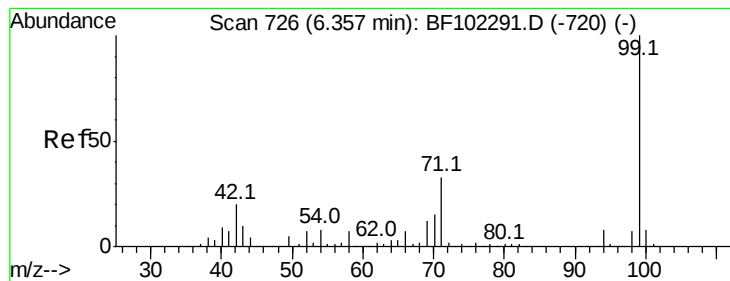
2-Fluorophenol
Concen: 106.440 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.02 min
Lab File: BF102320.D
Acq: 23 Jan 2018 00:45

Tgt Ion:112 Resp: 944216
Ion Ratio Lower Upper
112 100
64 58.7 47.9 71.9
63 30.2 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: 104.733 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102320.D

Acq: 23 Jan 2018 00:45

Instrument :

BNA_F

ClientSampled :

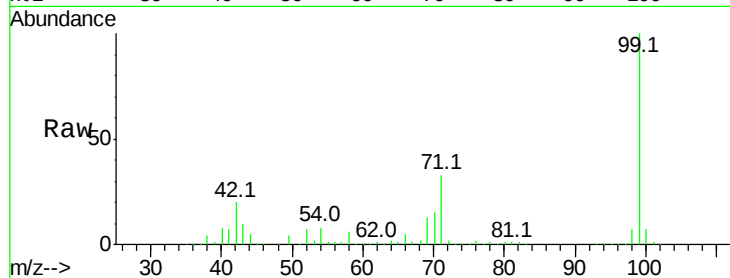
Tot Ion: 99 Resp: 1120085

Ion Ratio Lower Upper

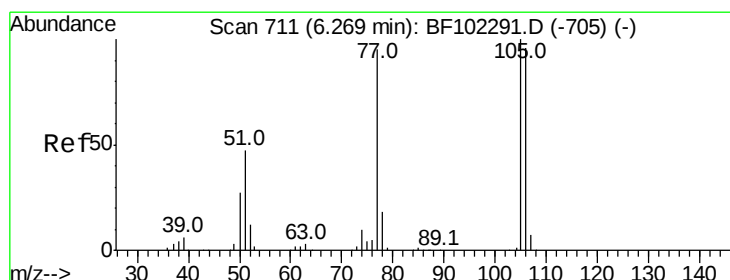
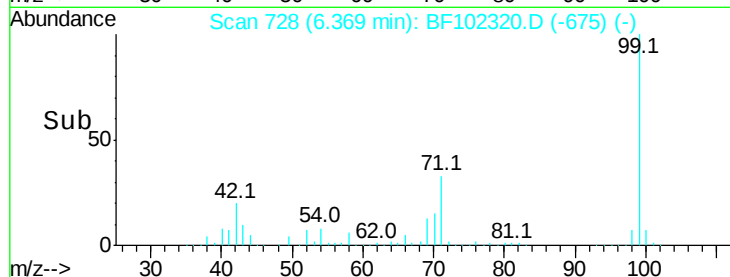
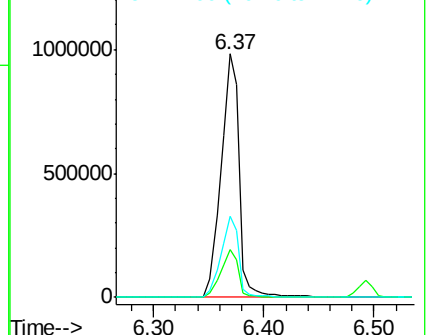
99 100

42 19.5 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



#9

Benzaldehyde

Concen: 2.681 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102320.D

Acq: 23 Jan 2018 00:45

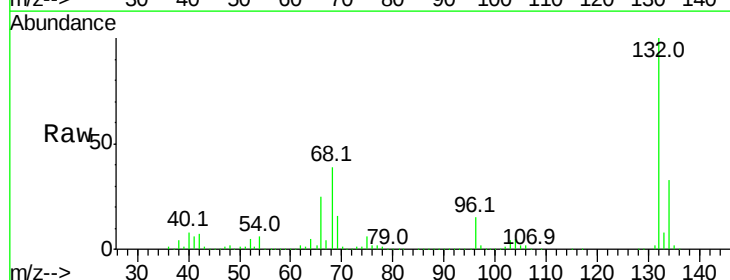
Tgt Ion: 77 Resp: 19845

Ion Ratio Lower Upper

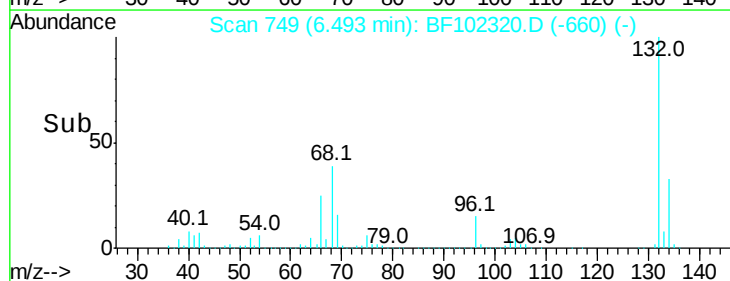
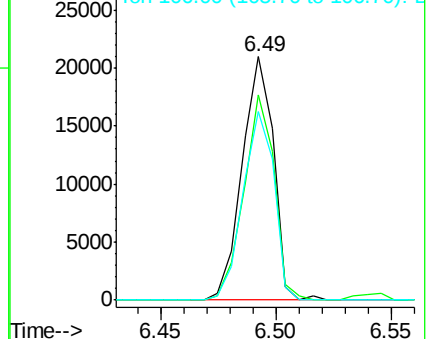
77 100

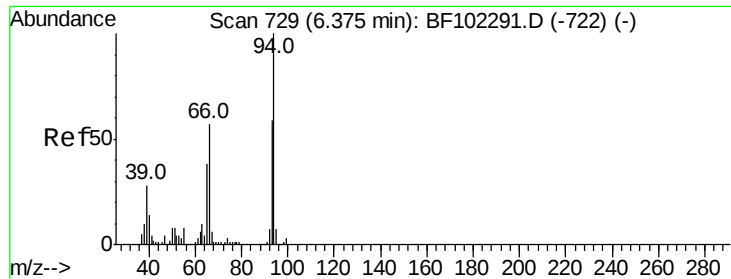
105 84.3 81.1 121.1

106 77.3 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: 3.600 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF102320.D

Acq: 23 Jan 2018 00:45

Instrument :

BNA_F

ClientSampleId :

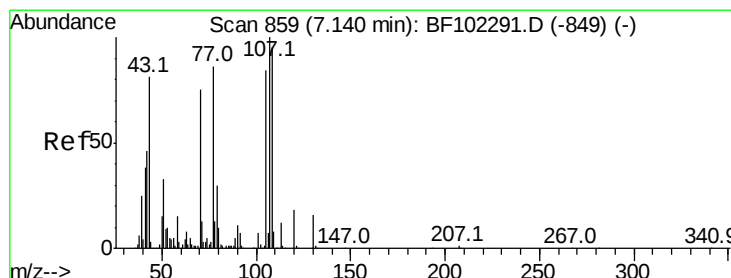
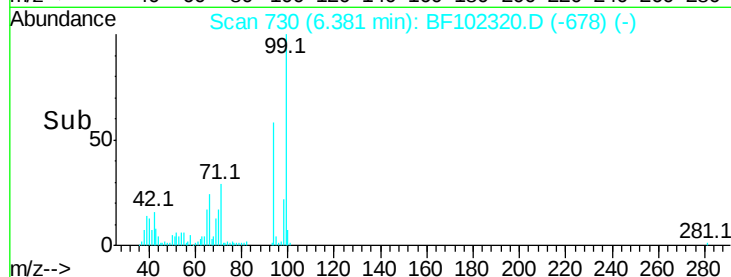
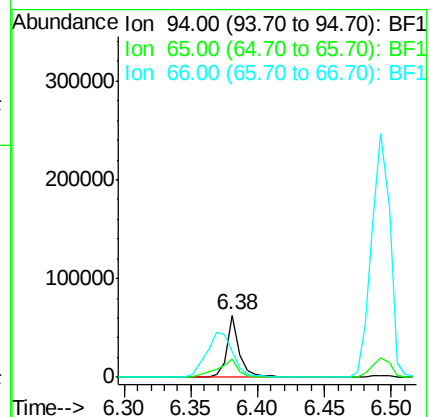
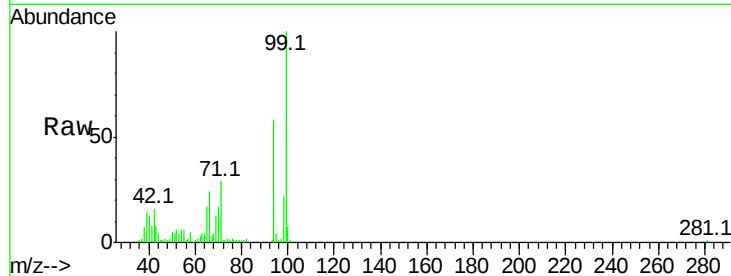
Tot Ion: 94 Resp: 42032

Ion Ratio Lower Upper

94 100

65 29.0 7.9 47.9

66 41.7 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.600 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF102320.D

Acq: 23 Jan 2018 00:45

Tgt Ion: 70 Resp: 89010

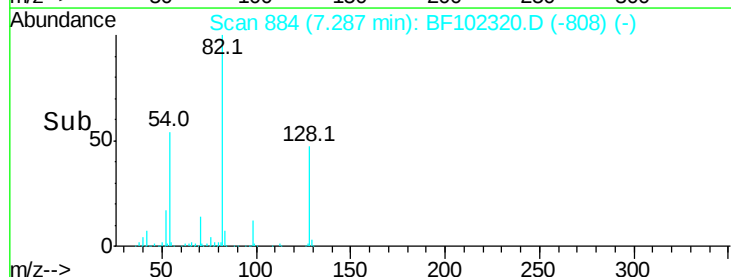
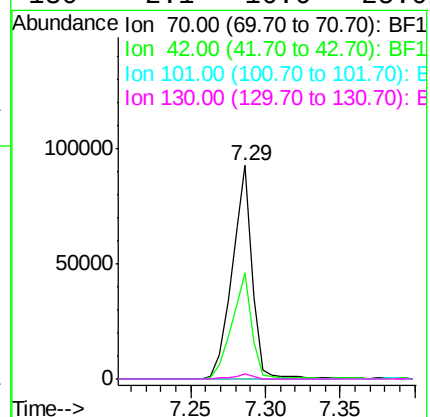
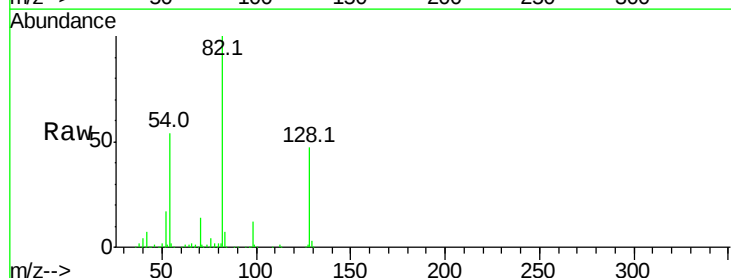
Ion Ratio Lower Upper

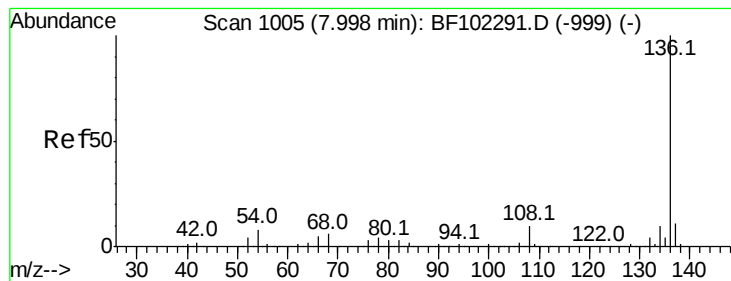
70 100

42 49.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102320.D

Acq: 23 Jan 2018 00:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 532935

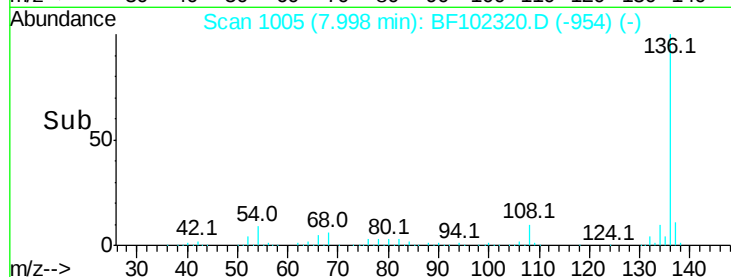
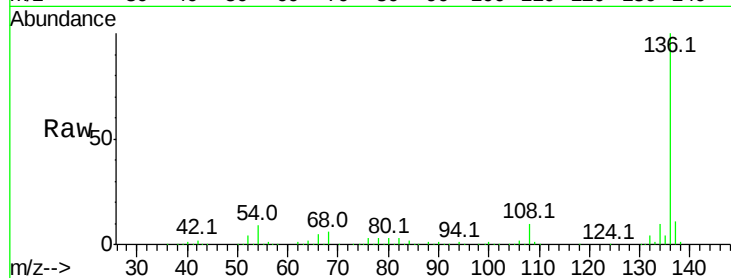
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 8.6 6.6 9.8

68 5.8 5.0 7.4

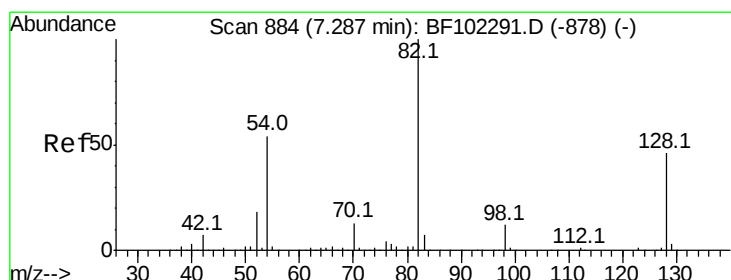
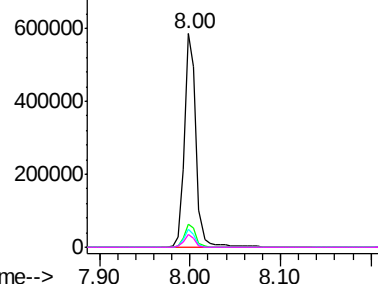


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.720 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF102320.D

Acq: 23 Jan 2018 00:45

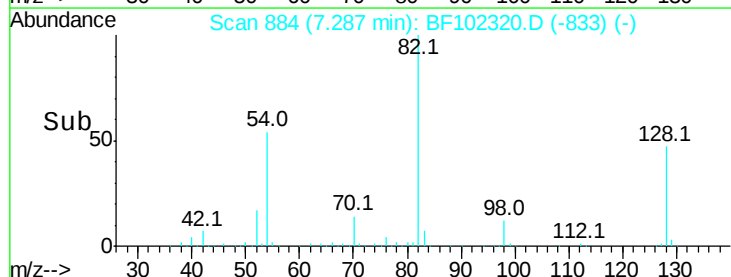
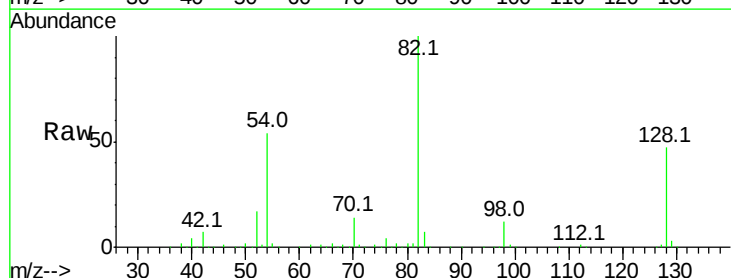
Tgt Ion: 82 Resp: 674392

Ion Ratio Lower Upper

82 100

128 47.4 36.1 54.1

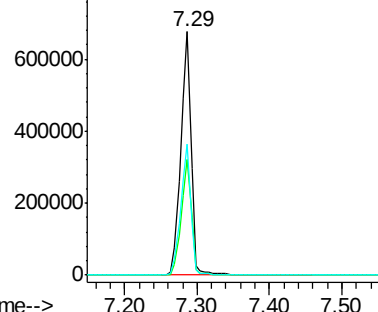
54 53.9 41.4 62.2

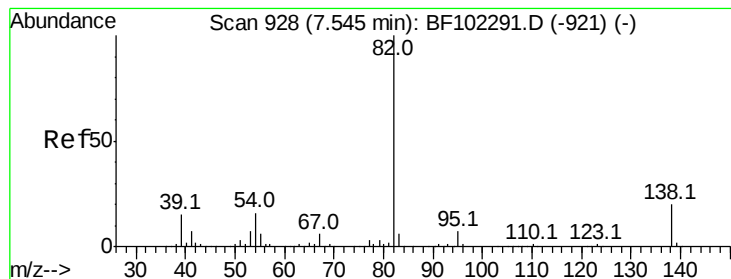


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.791 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102320.D

Acq: 23 Jan 2018 00:45

Instrument :

BNA_F

ClientSampleId :

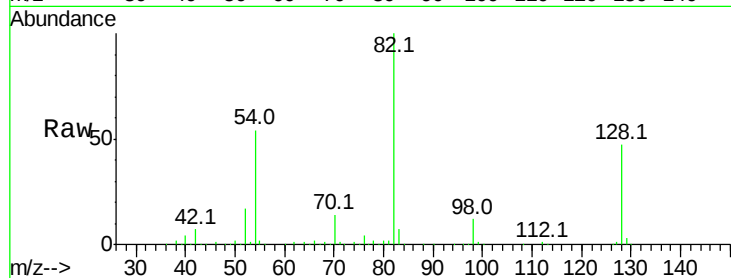
Tot Ion: 82 Resp: 674388

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

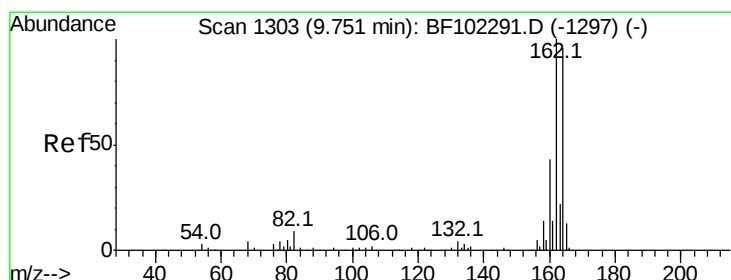
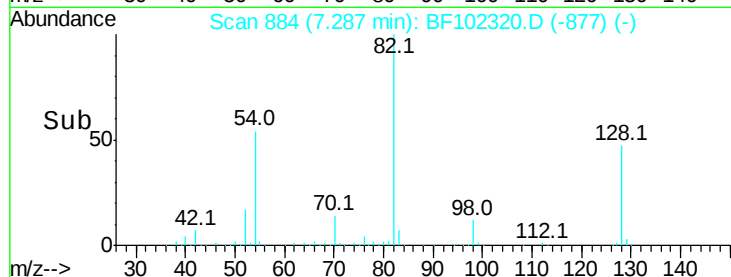
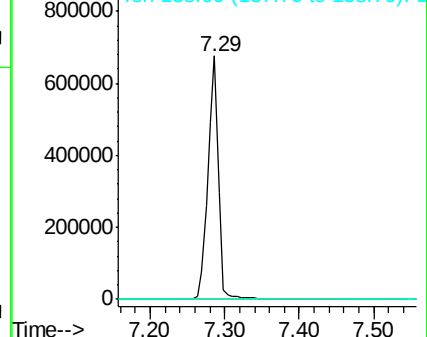
138 0.0 14.9 22.3#



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. -0.00 min

Lab File: BF102320.D

Acq: 23 Jan 2018 00:45

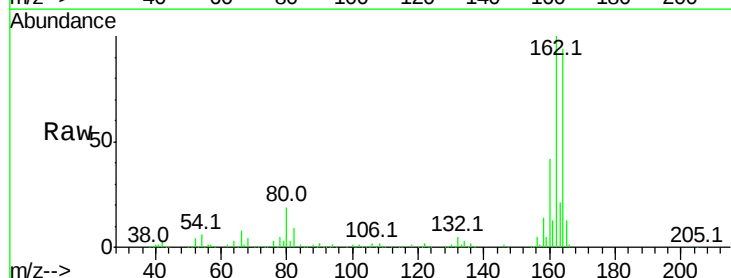
Tgt Ion:164 Resp: 212720

Ion Ratio Lower Upper

164 100

162 106.0 86.1 129.1

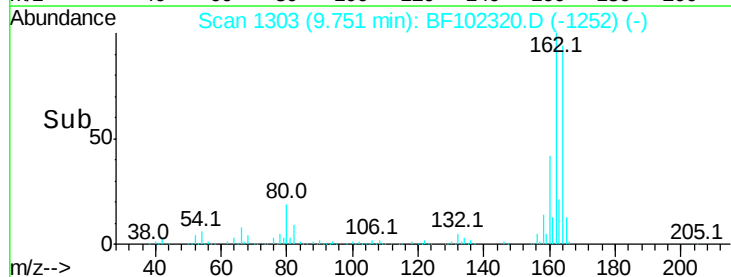
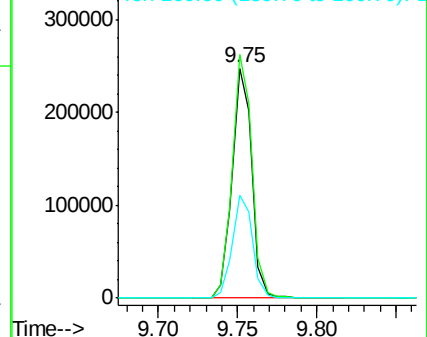
160 44.6 38.3 57.5

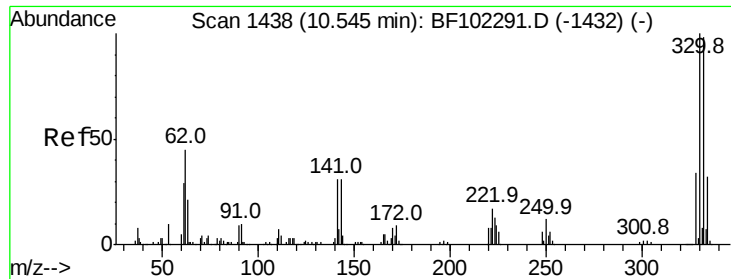


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

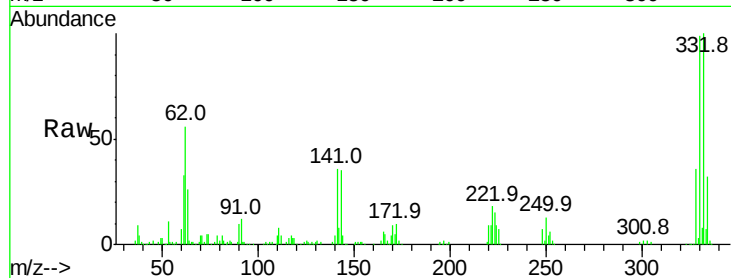




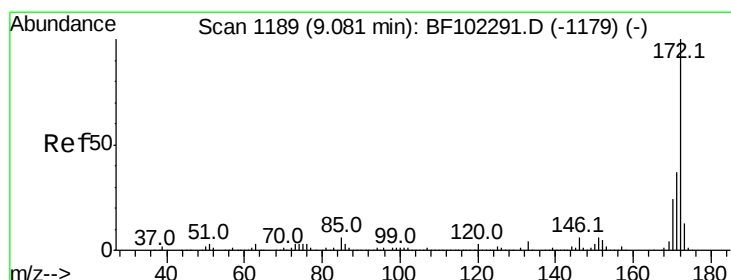
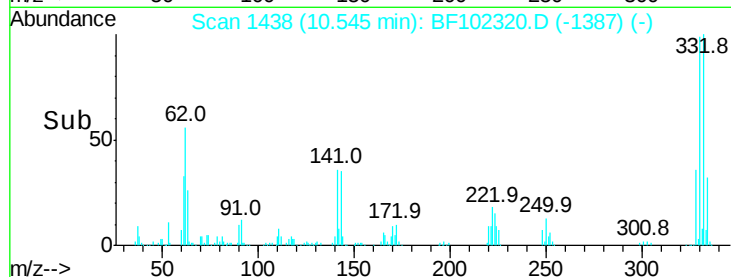
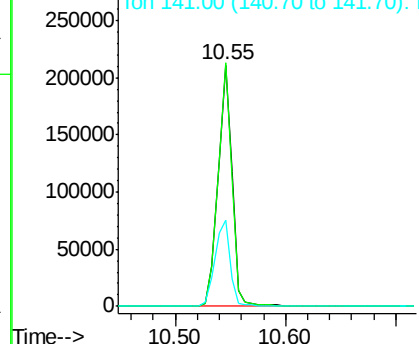
#41
 2,4,6-Tribromophenol
 Concen: 87.861 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102320.D
 Acq: 23 Jan 2018 00:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.7	77.0	115.6
141	37.8	29.9	44.9

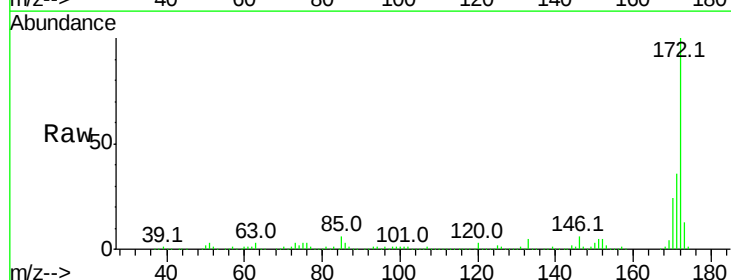


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

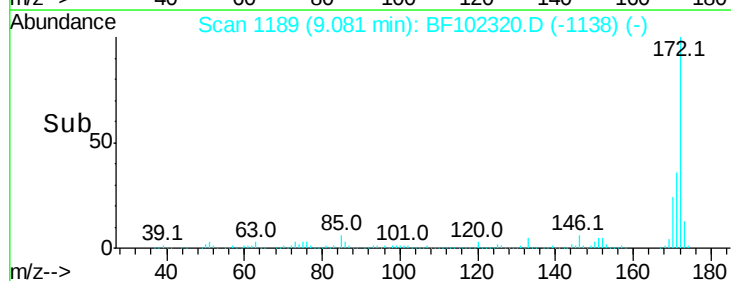
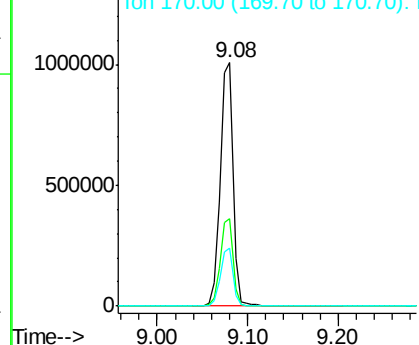


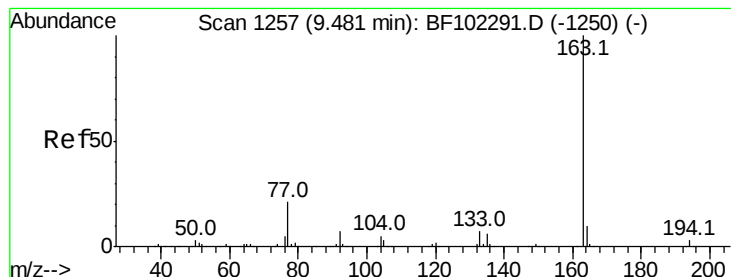
#44
 2-Fluorobiphenyl
 Concen: 67.756 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BF102320.D
 Acq: 23 Jan 2018 00:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.8	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: 9.399 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF102320.D

Acq: 23 Jan 2018 00:45

Instrument :

BNA_F

ClientSampled :

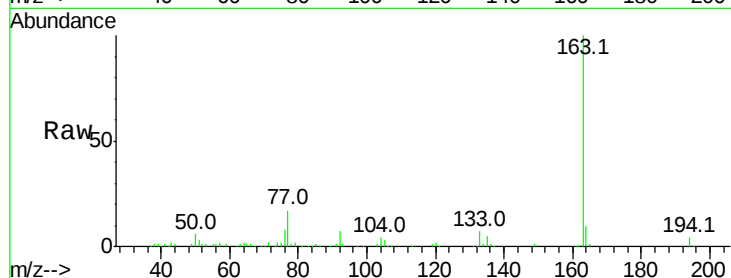
Tot Ion:163 Resp: 165257

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

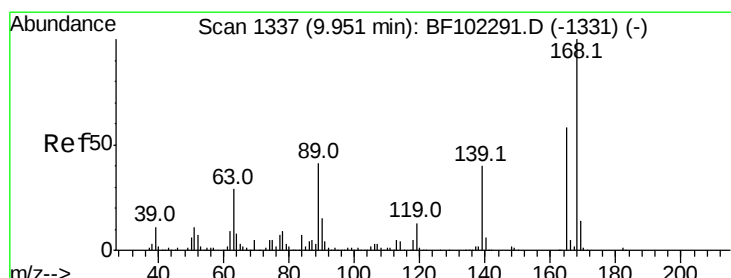
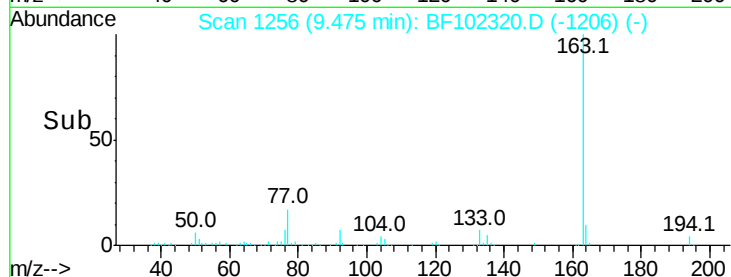
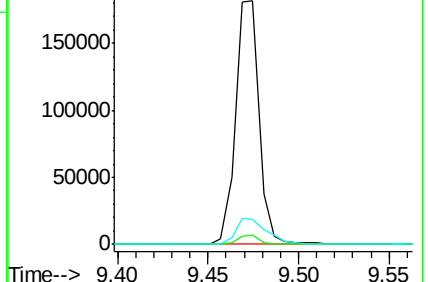
164 10.4 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 5.769 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.20 min

Lab File: BF102320.D

Acq: 23 Jan 2018 00:45

Tgt Ion:165 Resp: 26894

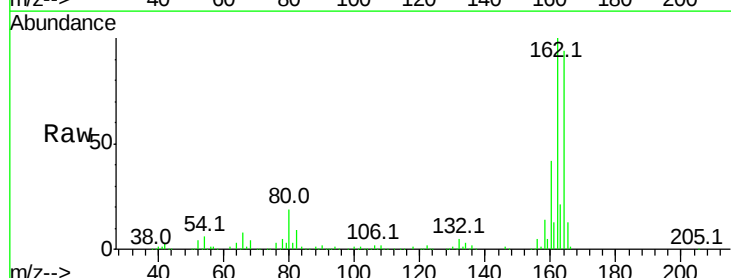
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.1 57.8 86.6#

182 0.0 1.6 2.4#

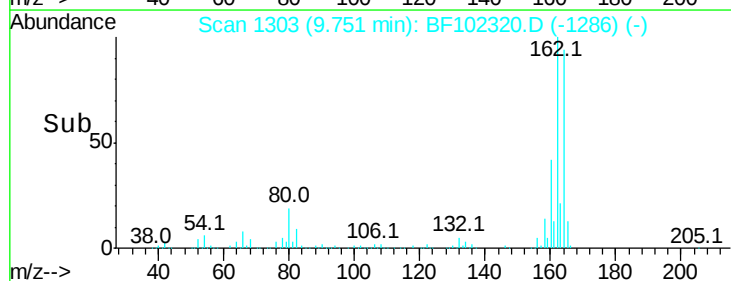
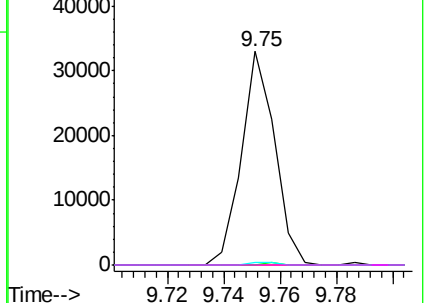


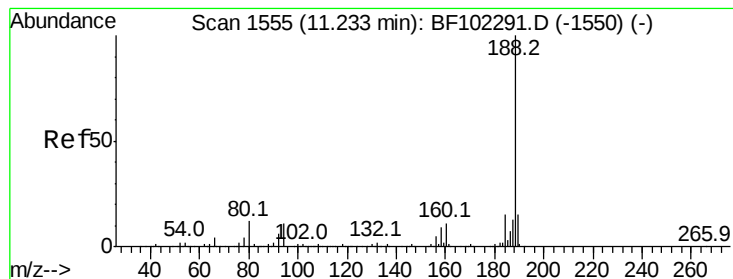
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. 0.01 min

Lab File: BF102320.D

Acq: 23 Jan 2018 00:45

Instrument :

BNA_F

ClientSampled :

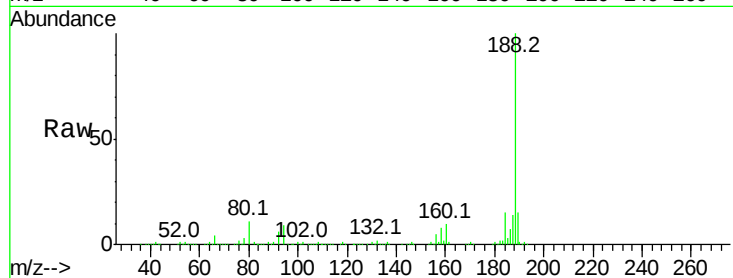
Tot Ion:188 Resp: 314701

Ion Ratio Lower Upper

188 100

94 9.5 8.5 12.7

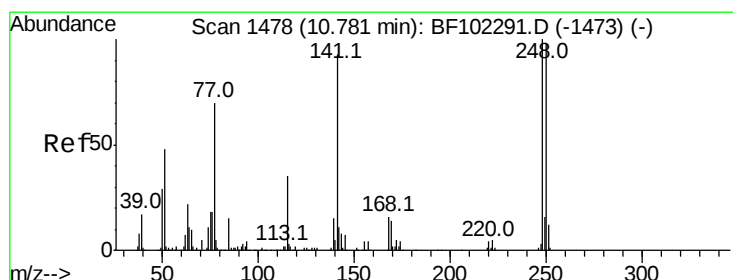
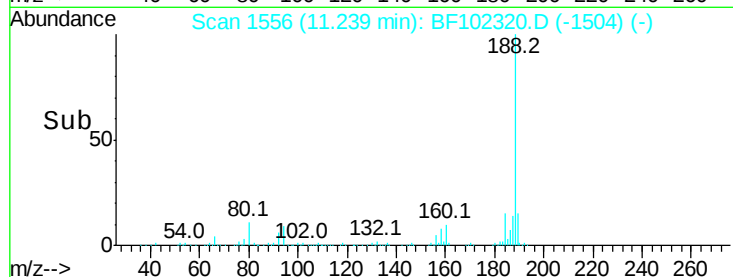
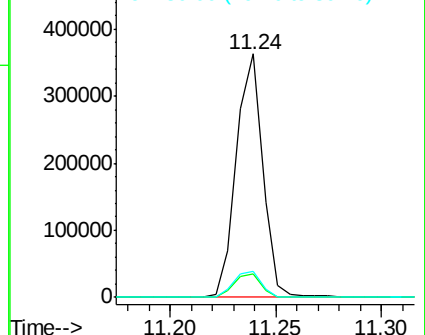
80 10.8 9.2 13.8



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



#66

4-Bromophenyl-phenylether

Concen: 3.524 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.24 min

Lab File: BF102320.D

Acq: 23 Jan 2018 00:45

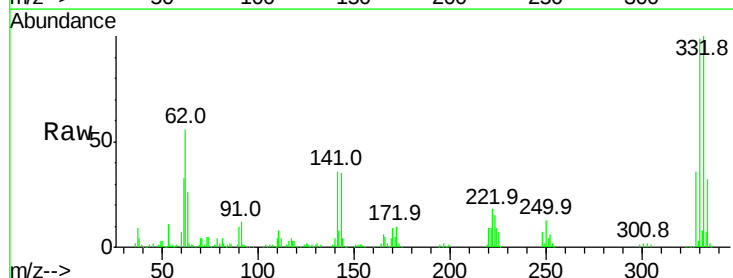
Tgt Ion:248 Resp: 11940

Ion Ratio Lower Upper

248 100

250 199.1 76.9 115.3#

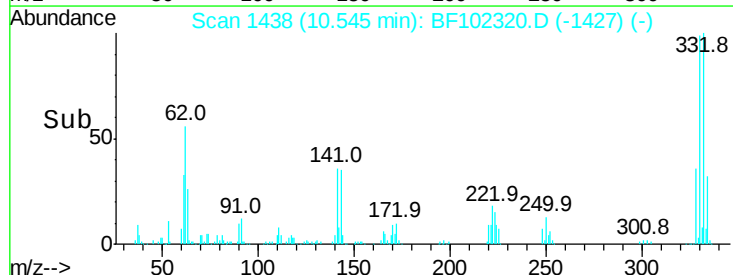
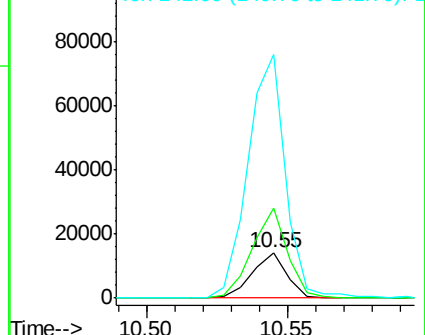
141 537.2 74.4 111.6#

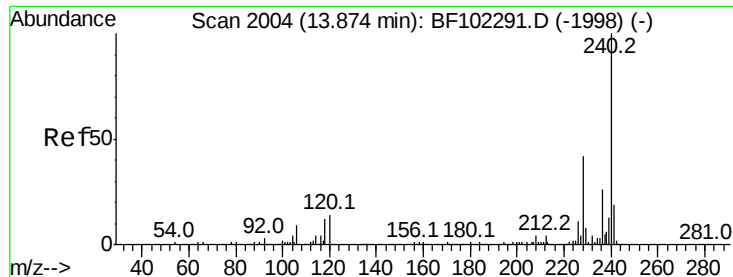


Abundance Ion 248.00 (247.70 to 248.70): E

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# 2004

Delta R.T. -0.00 min

Lab File: BF102320.D

Acq: 23 Jan 2018 00:45

Instrument :

BNA_F

ClientSampleId :

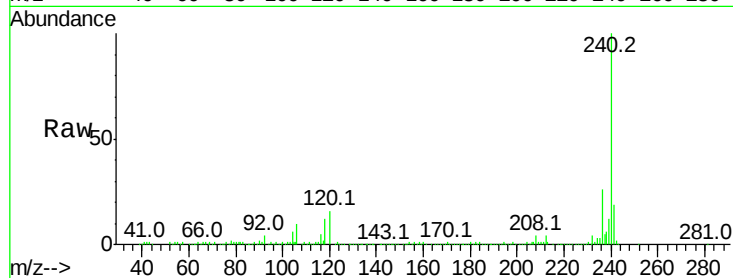
Tot Ion:240 Resp: 263491

Ion Ratio Lower Upper

240 100

120 15.6 9.5 14.3#

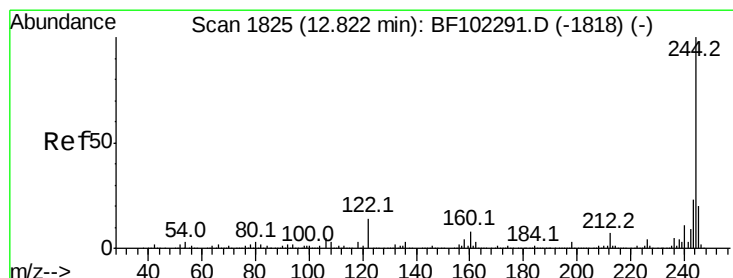
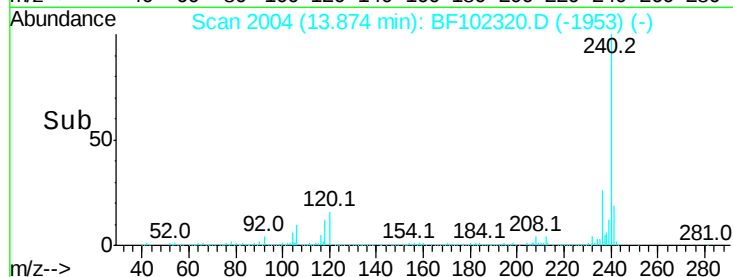
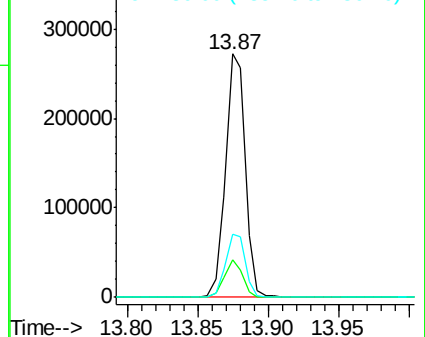
236 25.7 20.7 31.1



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: 56.531 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102320.D

Acq: 23 Jan 2018 00:45

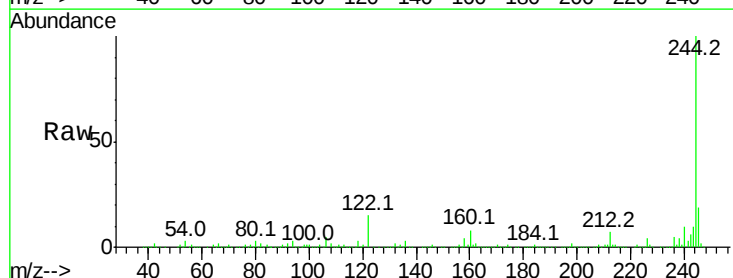
Tgt Ion:244 Resp: 660742

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

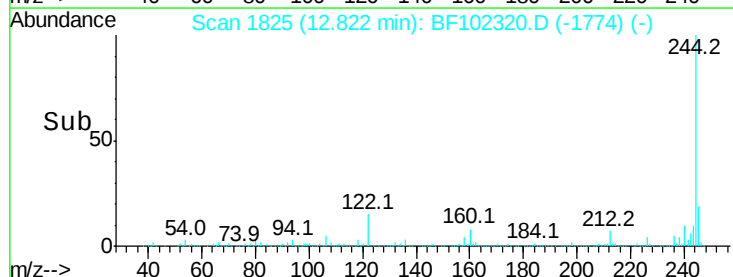
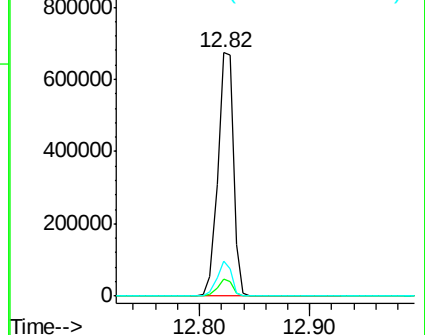
122 14.6 11.0 16.4

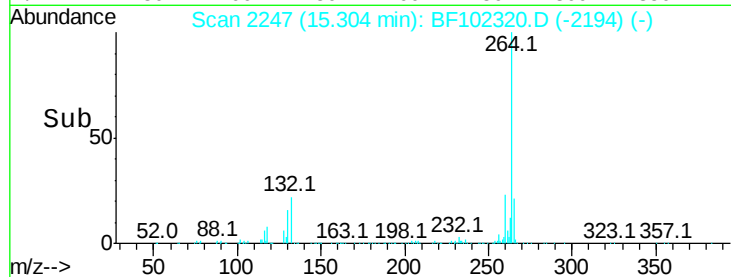
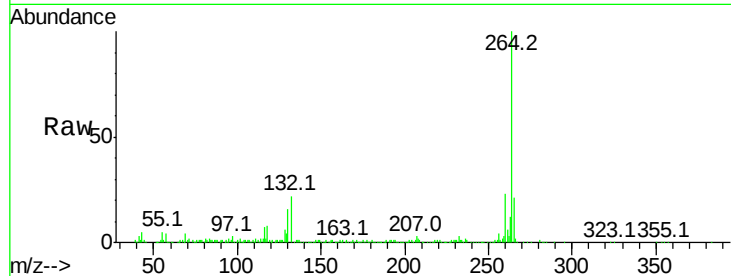
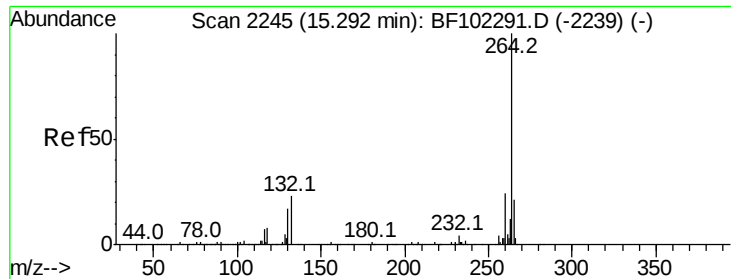


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.30 min Scan# 2247

Delta R.T. 0.01 min

Lab File: BF102320.D

Acq: 23 Jan 2018 00:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 264 Resp: 208315

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 20.7 17.5 26.3

