

Data Path : U:\HPCHEM1\BNA F\DATA\BF012018\
 Data File : BF102260.D
 Acq On : 20 Jan 2018 12:43
 Operator : SJ/JU
 Sample : J1115-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 22 01:21:01 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	148481	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	594460	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	246800	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	371681	20.00	ng	0.00
75) Chrysene-d12	13.87	240	276642	20.00	ng	0.00
86) Perylene-d12	15.30	264	254984	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	1181508	112.36	ng	0.01
7) Phenol-d6	6.37	99	1406616	112.12	ng	0.00
23) Nitrobenzene-d5	7.29	82	894118	88.39	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	249545	115.86	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1327235	84.02	ng	0.00
78) Terphenyl-d14	12.83	244	872753	65.50	ng	0.00

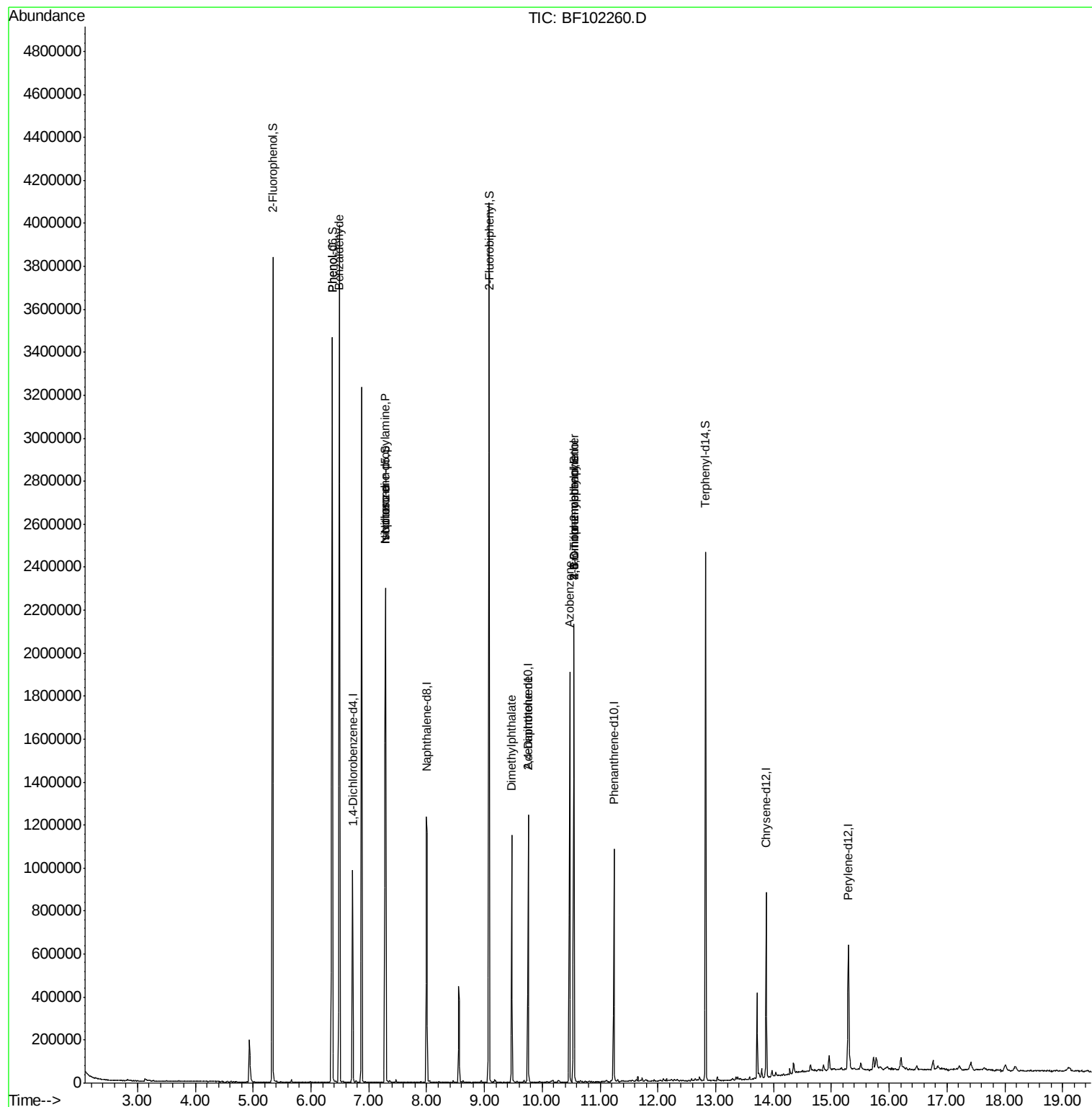
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	25172	2.890	ng	82
10) Phenol	6.37	94	59659	4.208	ng	89
19) n-Nitroso-di-n-propylamine	7.29	70	120327	14.636	ng	# 78
25) Isophorone	7.29	82	894111	44.731	ng	# 64
49) Dimethylphthalate	9.47	163	431180	21.779	ng	99
56) 2,4-Dinitrotoluene	9.76	165	31316	6.318	ng	# 23
62) Azobenzene	10.47	77	368797	18.822	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.55	198	362	5.820	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	16437	4.188	ng	# 1

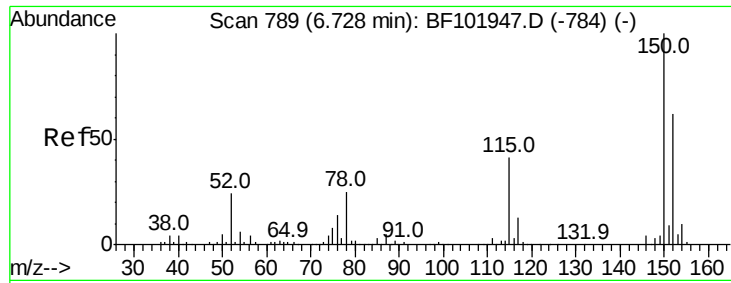
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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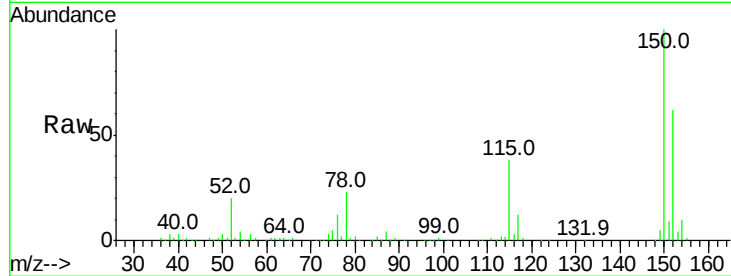


#1

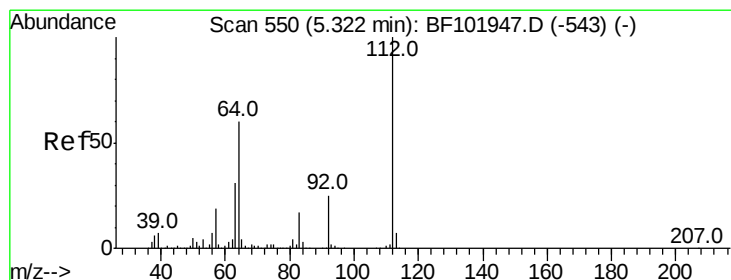
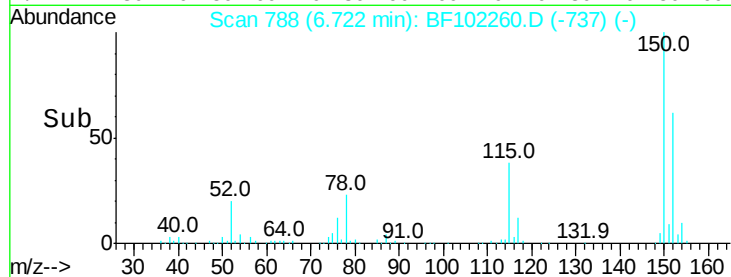
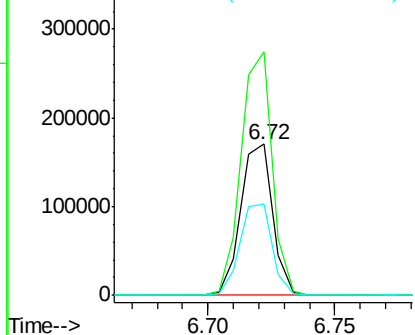
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF102260.D
Acq: 20 Jan 2018 12:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 148481
Ion Ratio Lower Upper
152 100
150 161.1 124.6 186.8
115 60.7 50.1 75.1



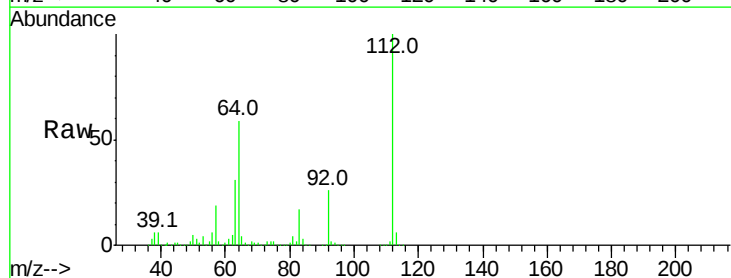
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



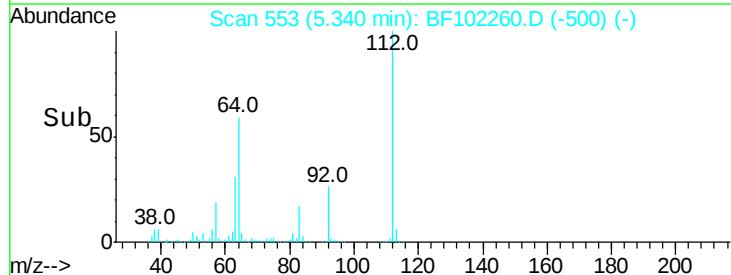
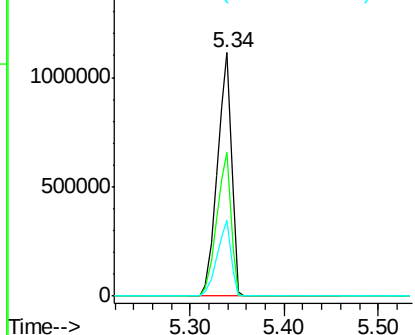
#5

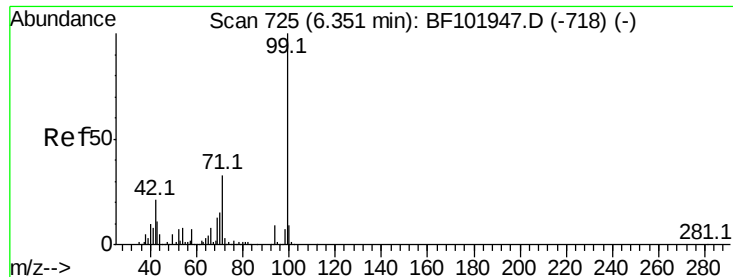
2-Fluorophenol
Concen: 112.364 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF102260.D
Acq: 20 Jan 2018 12:43

Tgt Ion:112 Resp: 1181508
Ion Ratio Lower Upper
112 100
64 59.2 47.9 71.9
63 31.1 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: 112.121 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF102260.D

Acq: 20 Jan 2018 12:43

Instrument :

BNA_F

ClientSampleId :

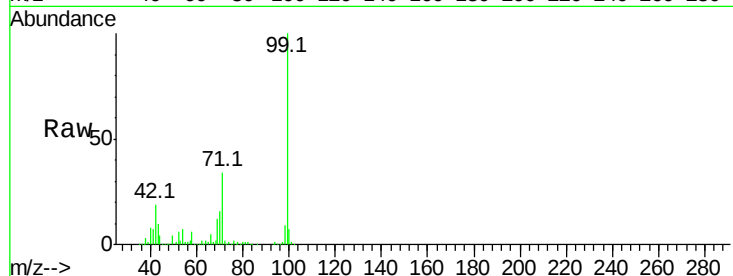
Tot Ion: 99 Resp: 1406616

Ion Ratio Lower Upper

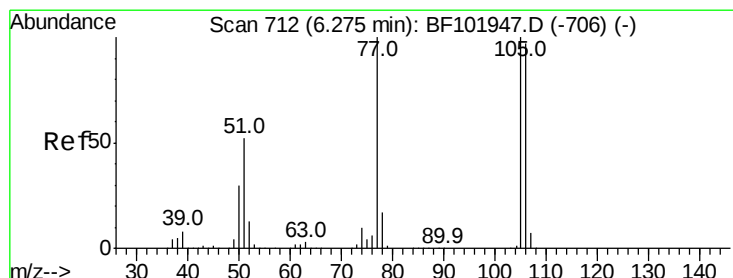
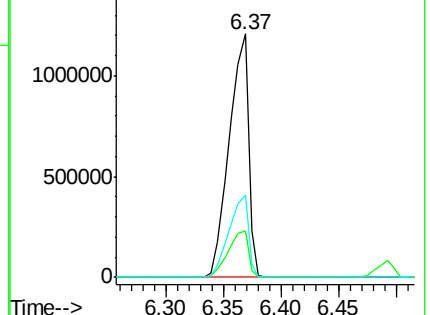
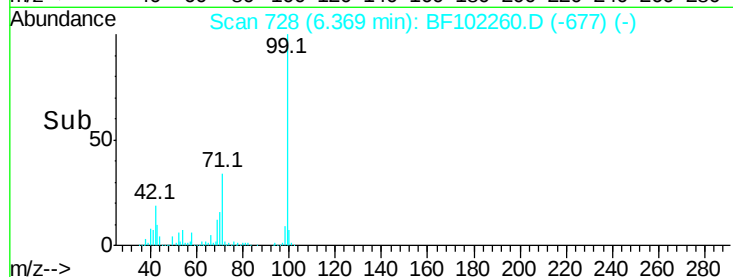
99 100

42 18.9 14.5 21.7

71 33.7 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: 2.890 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102260.D

Acq: 20 Jan 2018 12:43

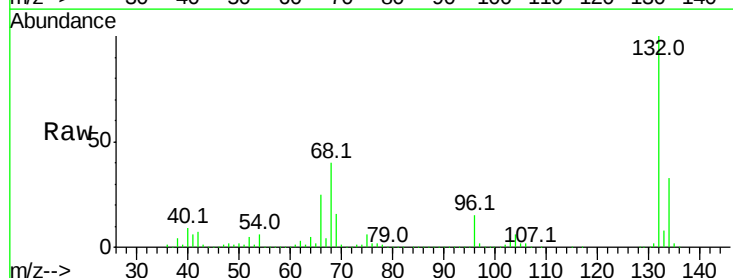
Tgt Ion: 77 Resp: 25172

Ion Ratio Lower Upper

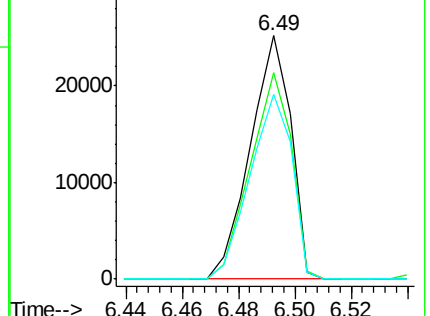
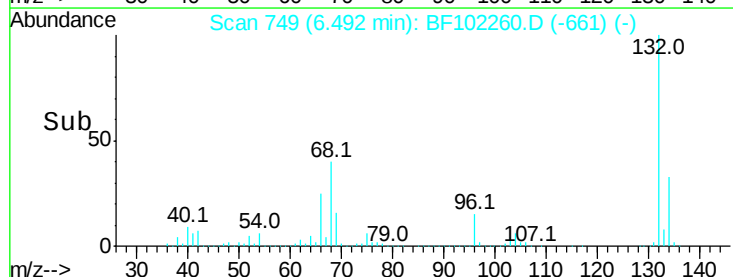
77 100

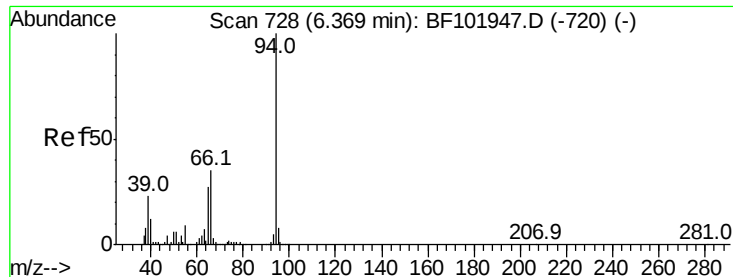
105 84.9 81.1 121.1

106 76.0 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: 4.208 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF102260.D

Acq: 20 Jan 2018 12:43

Instrument :

BNA_F

ClientSampled :

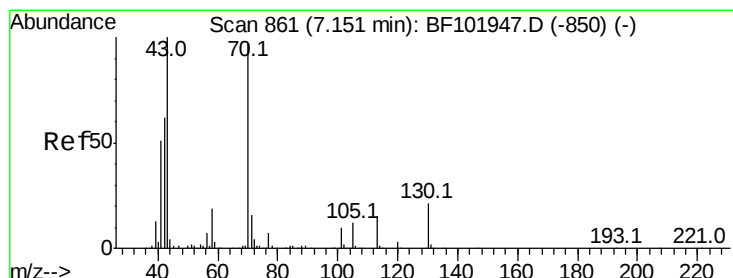
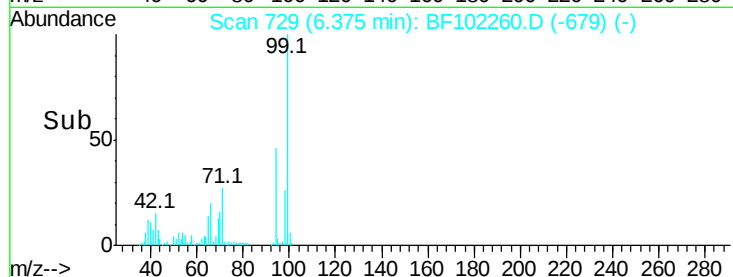
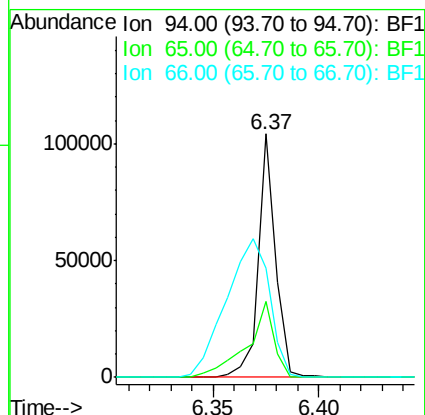
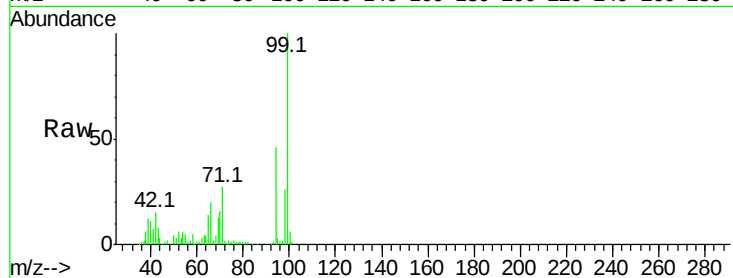
Tot Ion: 94 Resp: 59659

Ion Ratio Lower Upper

94 100

65 31.4 7.9 47.9

66 44.7 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.636 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102260.D

Acq: 20 Jan 2018 12:43

Tgt Ion: 70 Resp: 120327

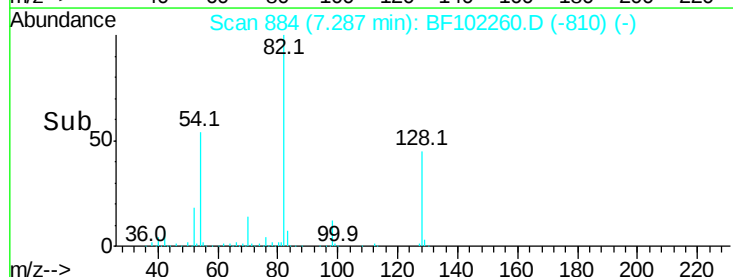
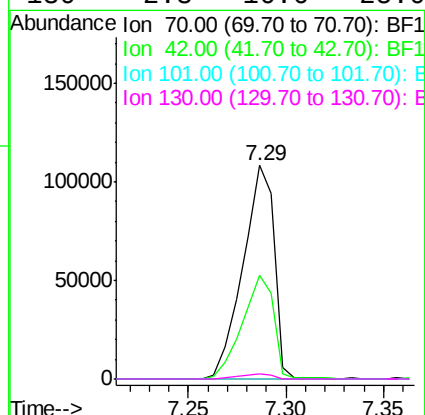
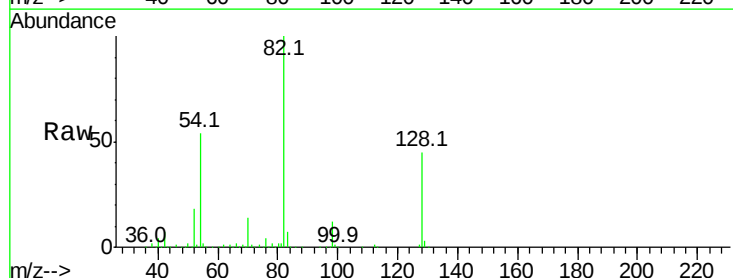
Ion Ratio Lower Upper

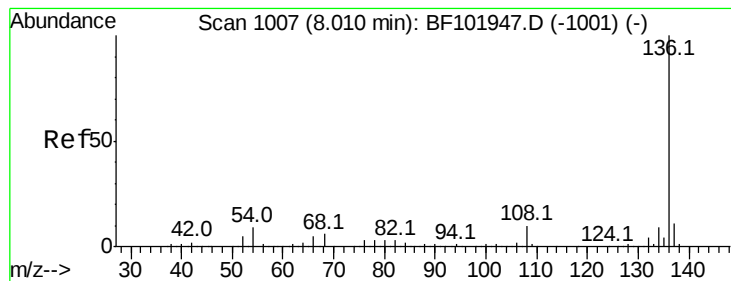
70 100

42 48.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF102260.D

Acq: 20 Jan 2018 12:43

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 594460

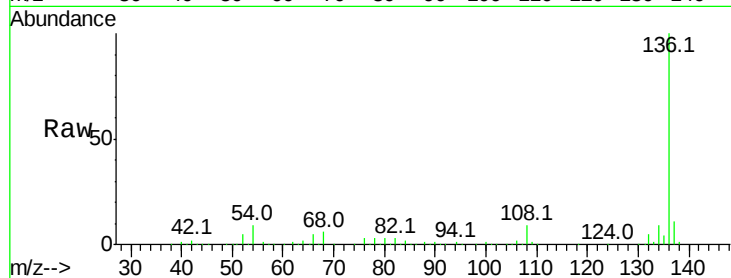
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.0 6.6 9.8

68 6.0 5.0 7.4

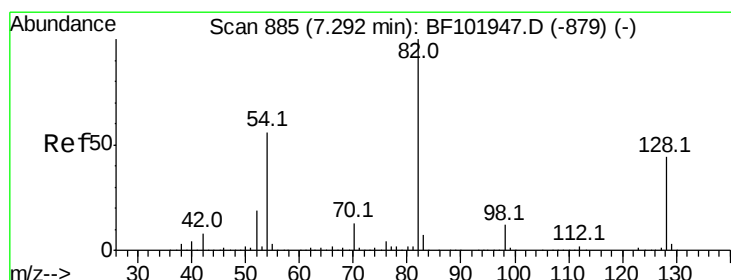
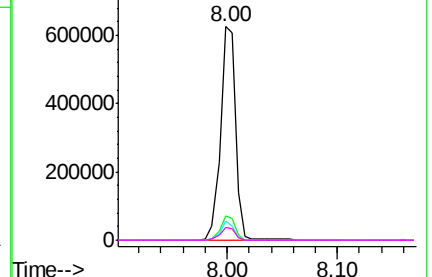
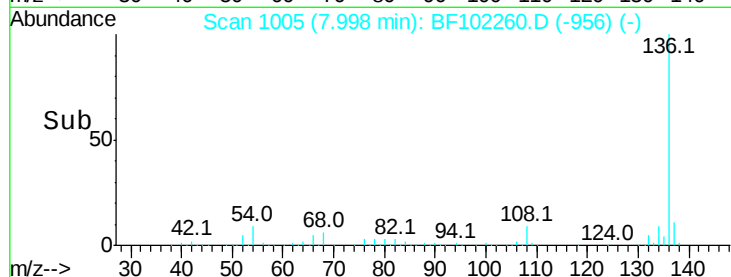


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.386 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102260.D

Acq: 20 Jan 2018 12:43

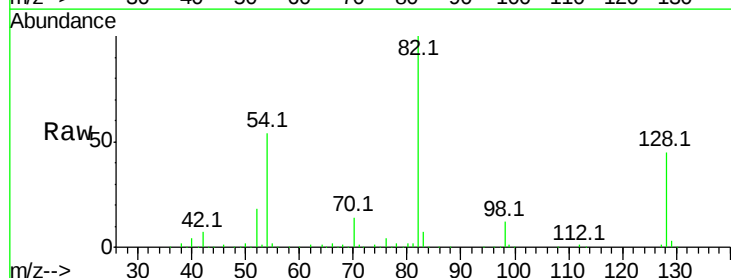
Tgt Ion: 82 Resp: 894118

Ion Ratio Lower Upper

82 100

128 44.6 36.1 54.1

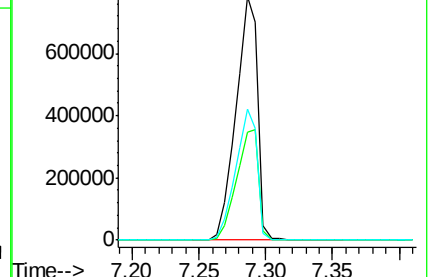
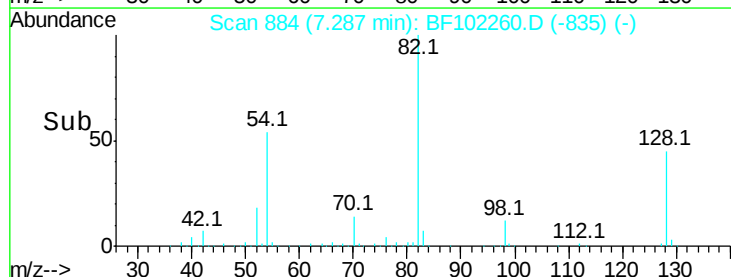
54 53.6 41.4 62.2

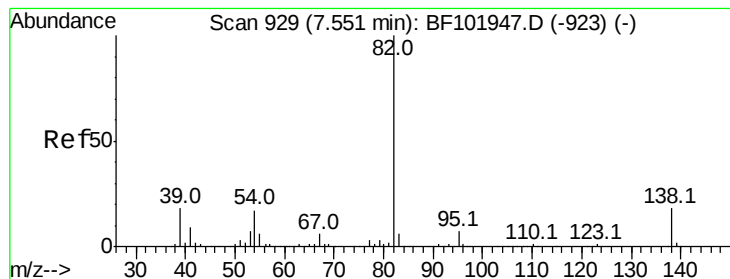


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.731 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102260.D

Acq: 20 Jan 2018 12:43

Instrument :

BNA_F

ClientSampleId :

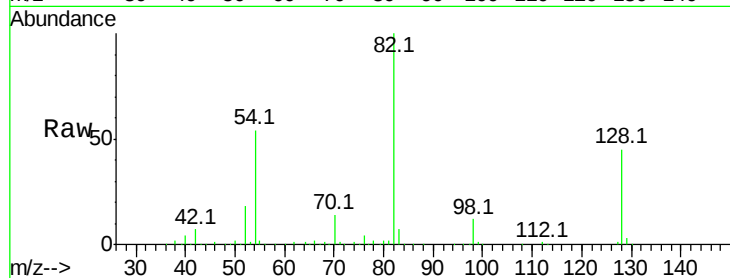
Tot Ion: 82 Resp: 894111

Ion Ratio Lower Upper

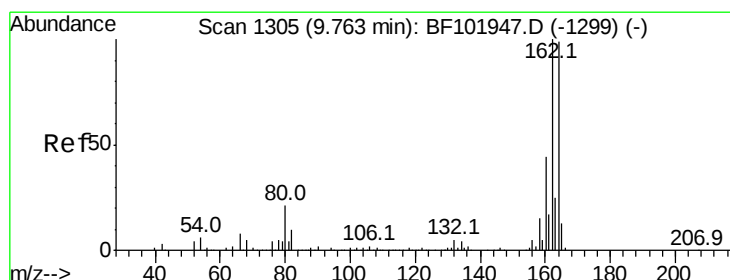
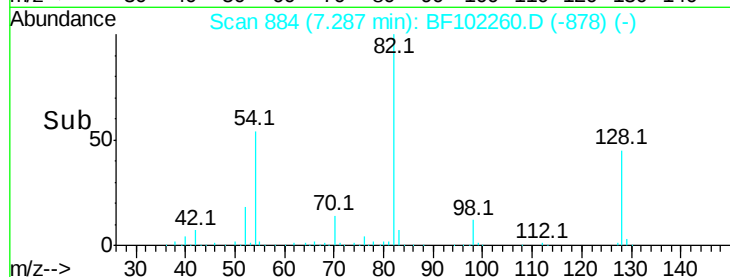
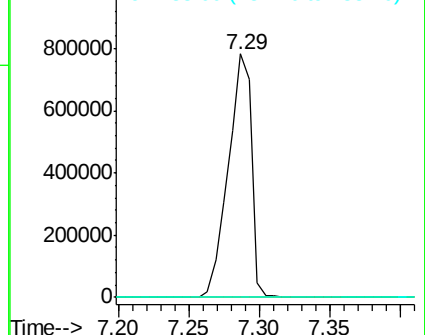
82 100

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: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF102260.D

Acq: 20 Jan 2018 12:43

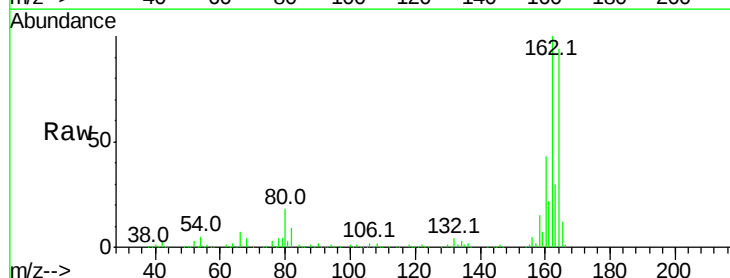
Tgt Ion:164 Resp: 246800

Ion Ratio Lower Upper

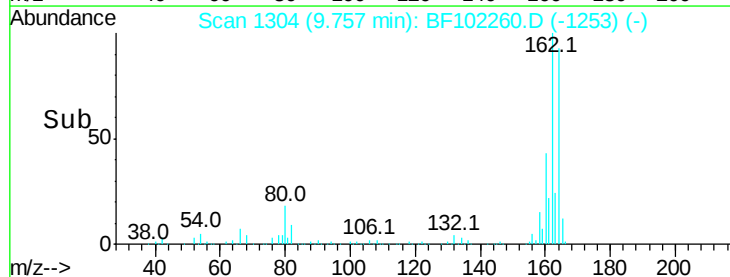
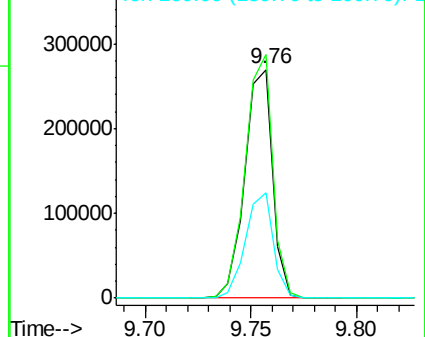
164 100

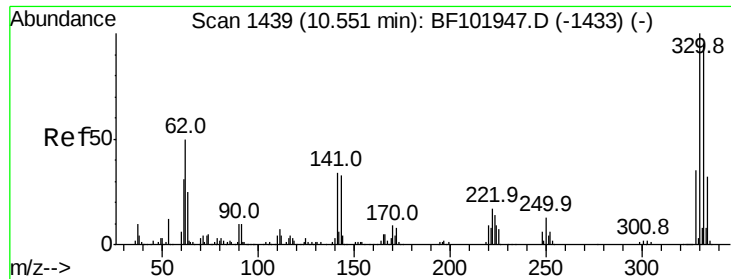
162 106.5 86.1 129.1

160 46.3 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

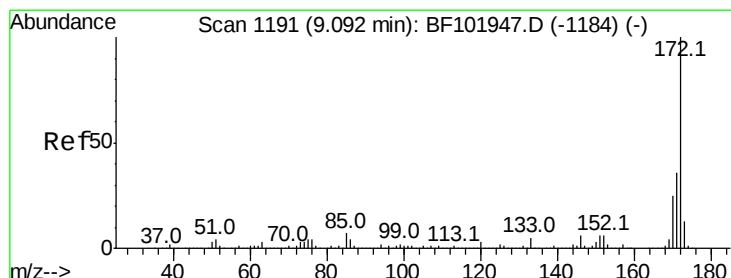
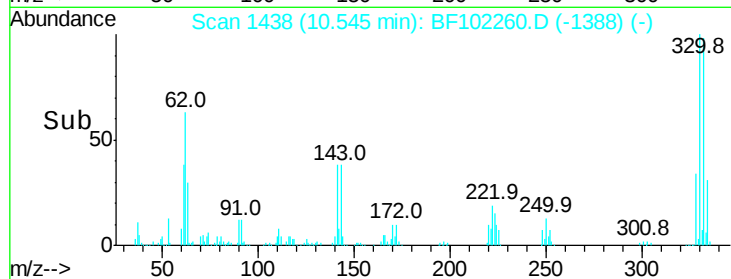
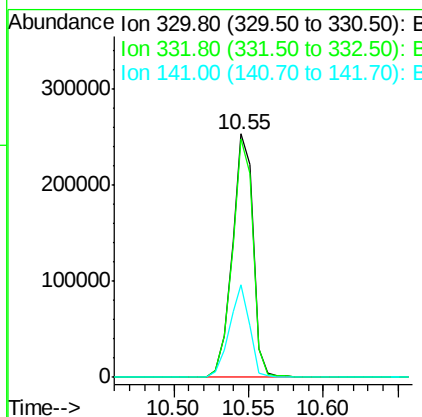
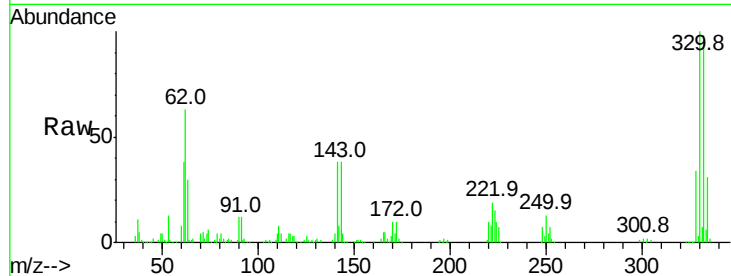




#41
 2,4,6-Tribromophenol
 Concen: 115.863 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102260.D
 Acq: 20 Jan 2018 12:43

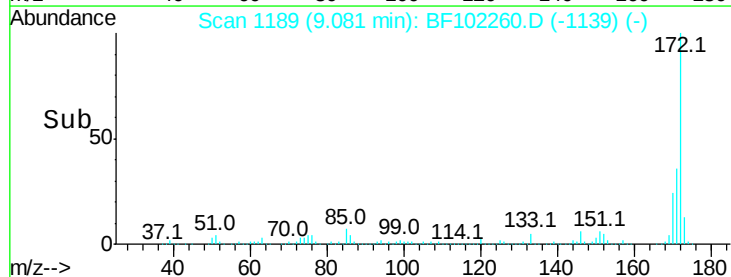
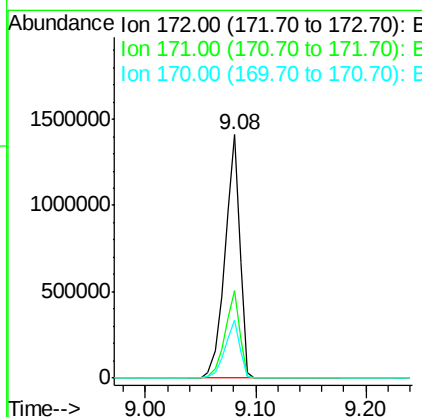
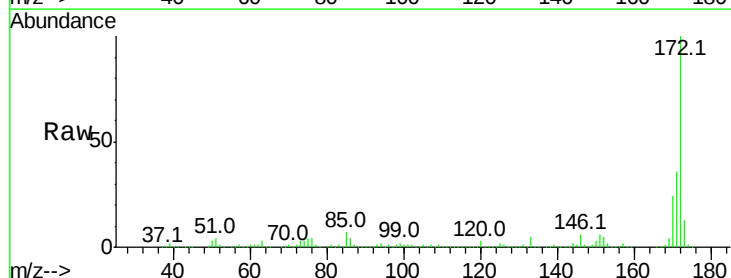
Instrument :
 BNA_F
 ClientSampleId :

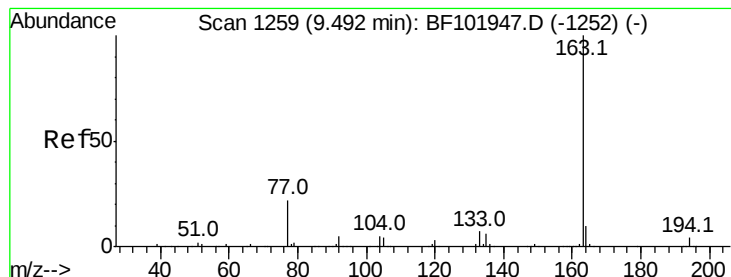
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	37.0	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 84.015 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102260.D
 Acq: 20 Jan 2018 12:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.1	19.6	29.4





#49

Dimethylphthalate

Concen: 21.779 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF102260.D

Acq: 20 Jan 2018 12:43

Instrument :

BNA_F

ClientSampleId :

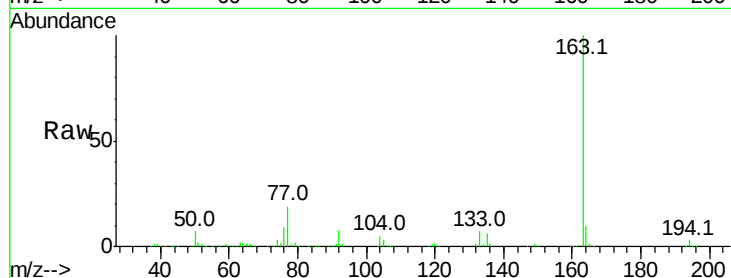
Tot Ion:163 Resp: 431180

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

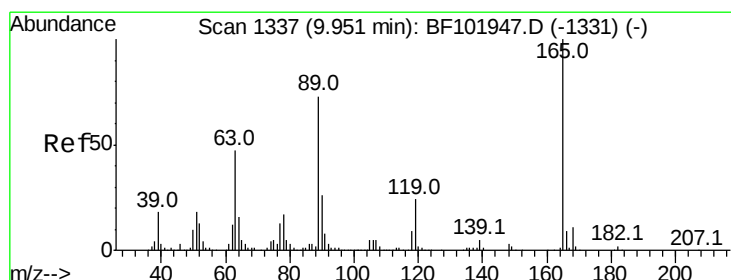
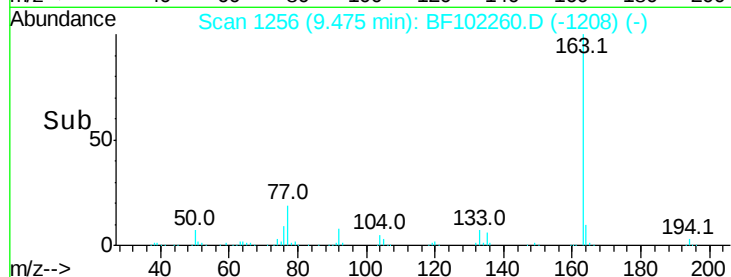
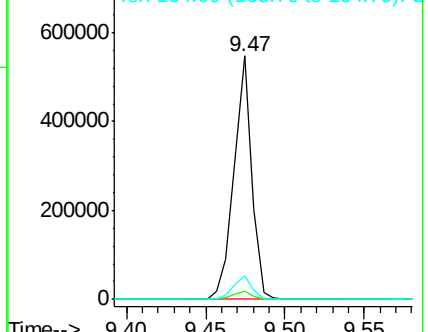
164 9.9 8.2 12.2



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: 6.318 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.20 min

Lab File: BF102260.D

Acq: 20 Jan 2018 12:43

Tgt Ion:165 Resp: 31316

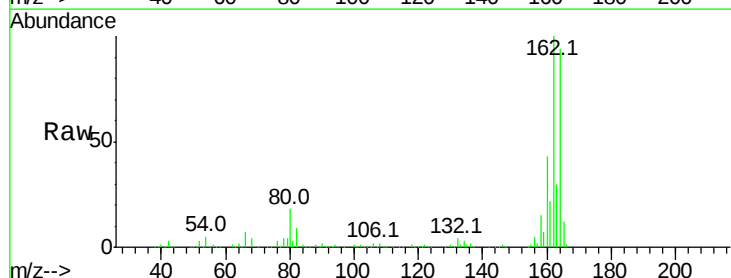
Ion Ratio Lower Upper

165 100

63 0.9 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

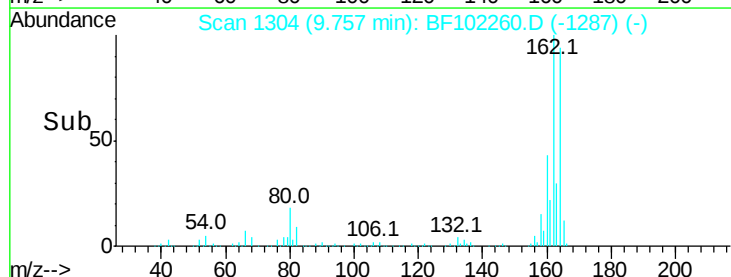
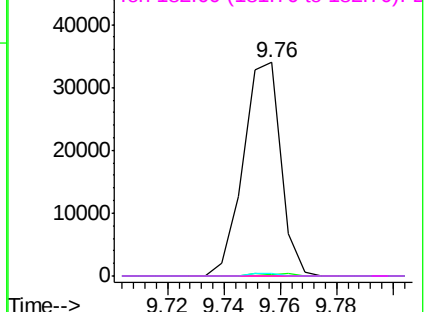


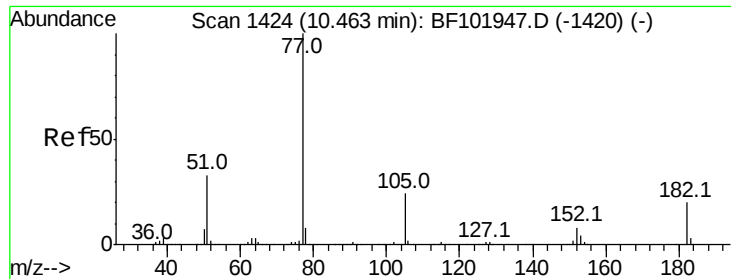
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

Azobenzene

Concen: 18.822 ng

RT: 10.47 min Scan# 1425

Delta R.T. 0.01 min

Lab File: BF102260.D

Acq: 20 Jan 2018 12:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 368797

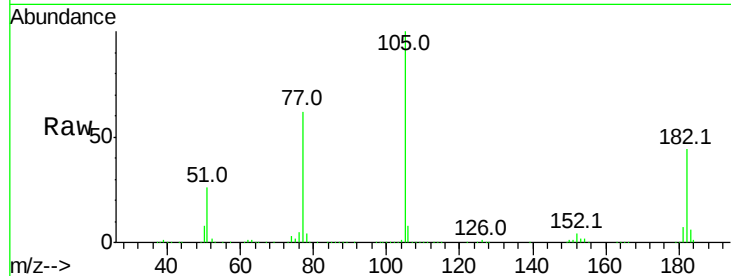
Ion Ratio Lower Upper

77 100

182 70.0 1.7 41.7#

105 160.1 3.0 43.0#

51 41.1 9.9 49.9

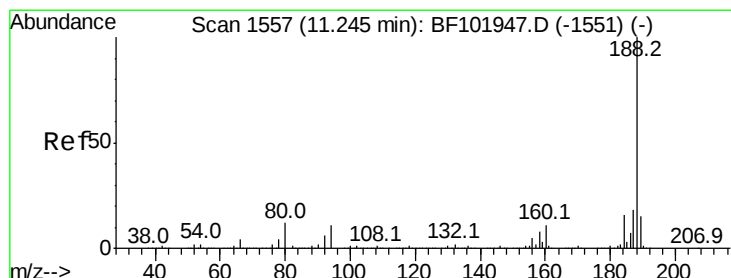
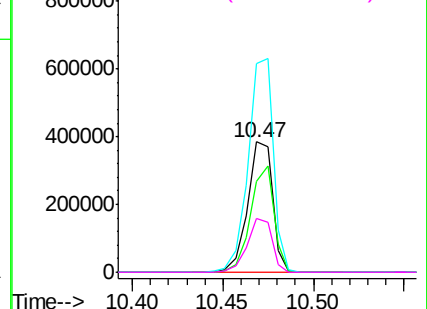
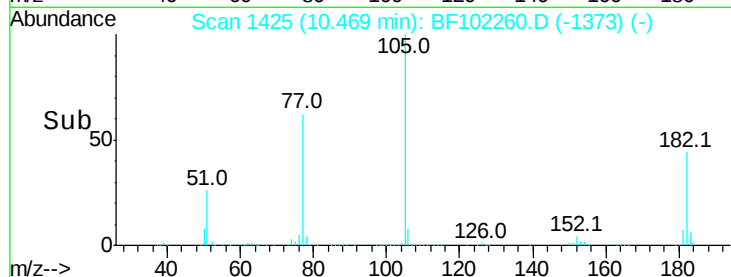


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF102260.D

Acq: 20 Jan 2018 12:43

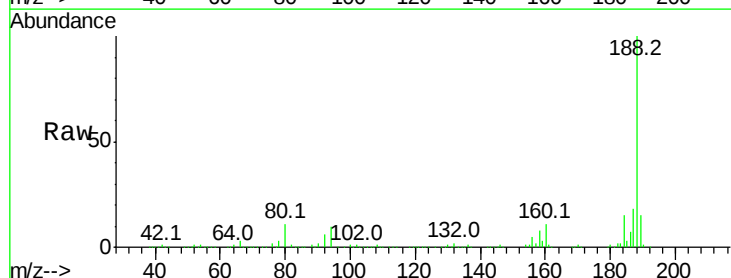
Tgt Ion: 188 Resp: 371681

Ion Ratio Lower Upper

188 100

94 9.8 8.5 12.7

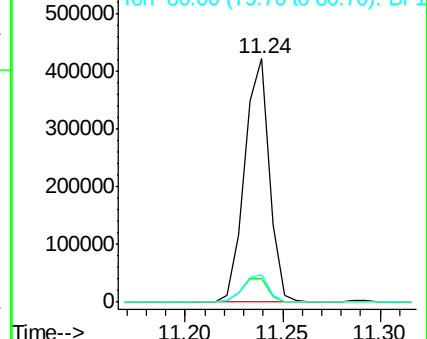
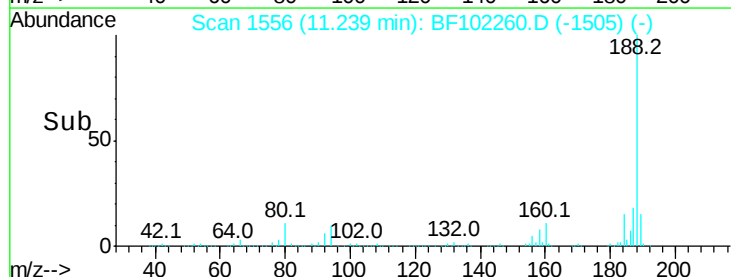
80 11.0 9.2 13.8

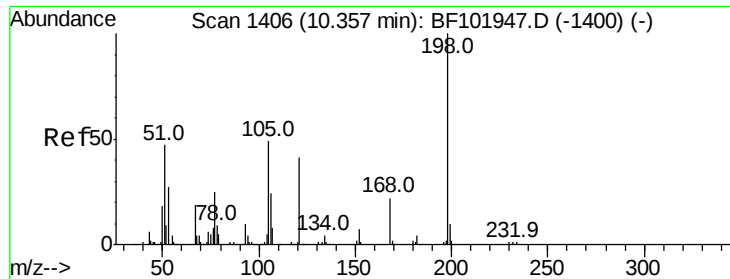


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

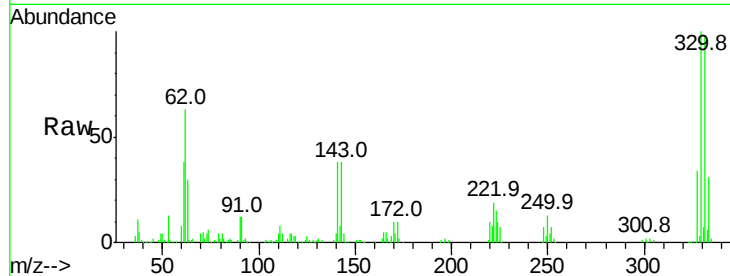




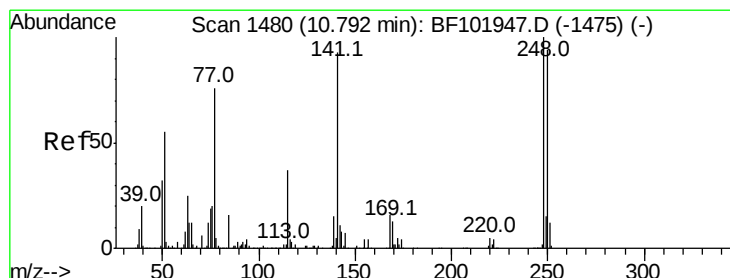
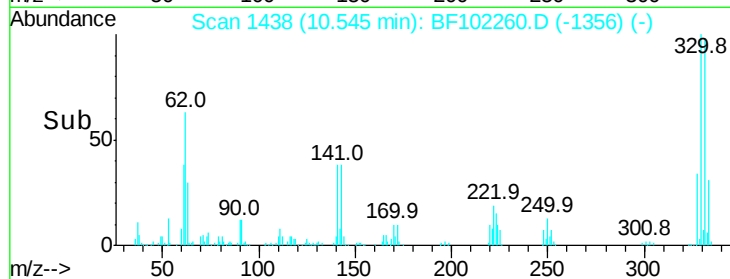
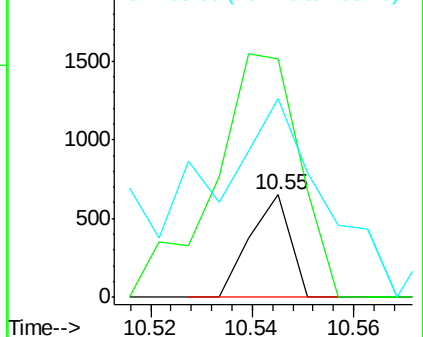
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.820 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.18 min
 Lab File: BF102260.D
 Acq: 20 Jan 2018 12:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 362
 Ion Ratio Lower Upper
 198 100
 51 233.6 37.7 77.7#
 105 194.9 36.3 76.3#

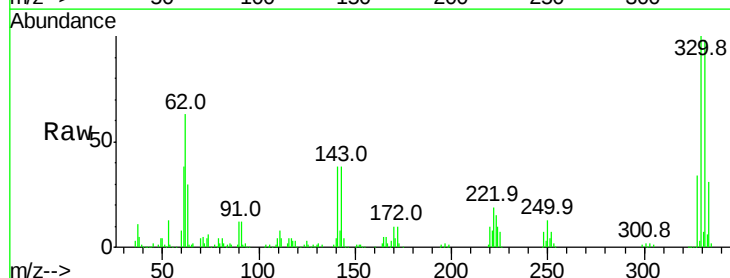


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

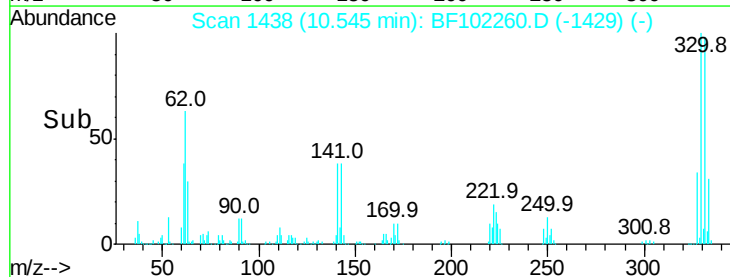
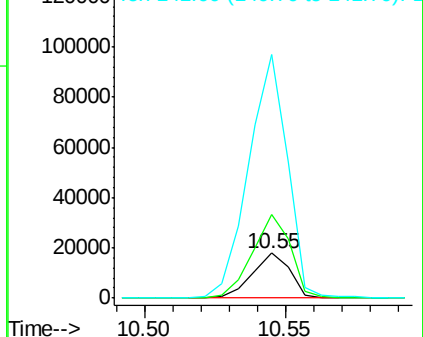


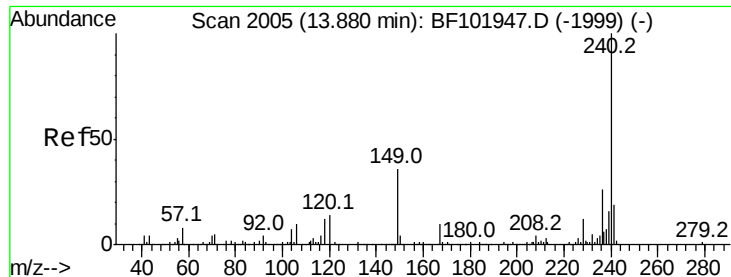
#66
 4-Bromophenyl-phenylether
 Concen: 4.188 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF102260.D
 Acq: 20 Jan 2018 12:43

Tgt Ion:248 Resp: 16437
 Ion Ratio Lower Upper
 248 100
 250 185.9 76.9 115.3#
 141 542.9 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: BF102260.D

Acq: 20 Jan 2018 12:43

Instrument :

BNA_F

ClientSampleId :

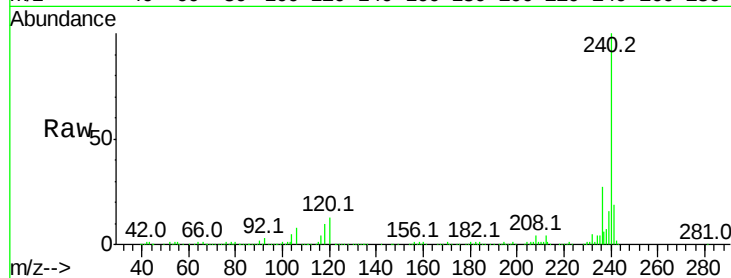
Tot Ion:240 Resp: 276642

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

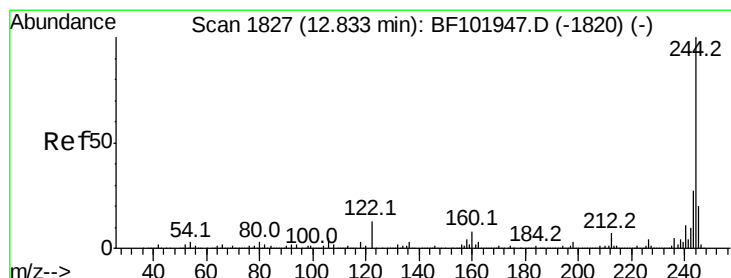
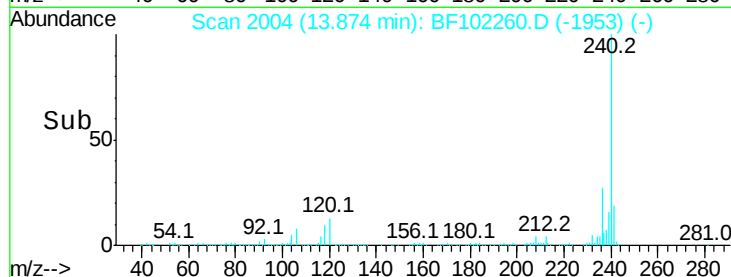
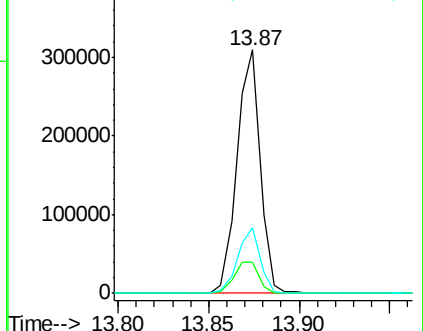
236 26.8 20.7 31.1



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: 65.502 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF102260.D

Acq: 20 Jan 2018 12:43

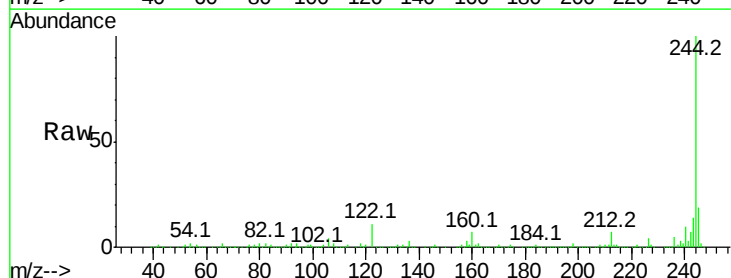
Tgt Ion:244 Resp: 872753

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

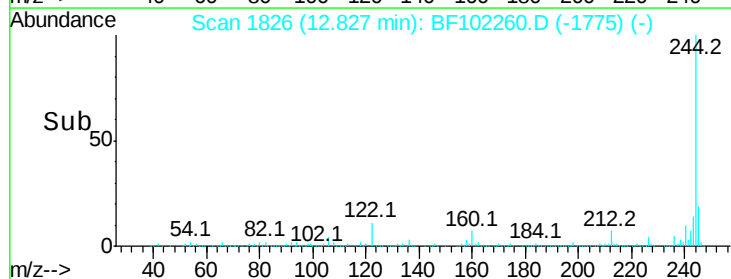
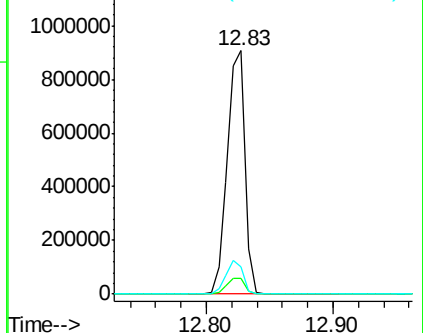
122 11.4 11.0 16.4

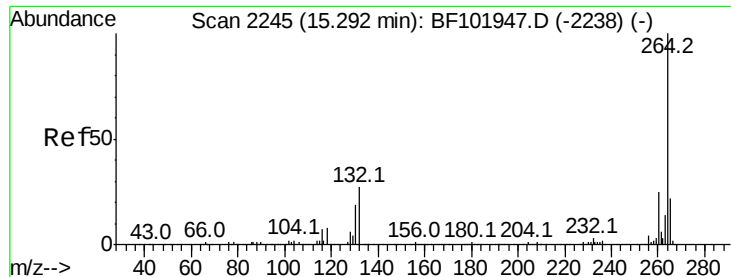


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

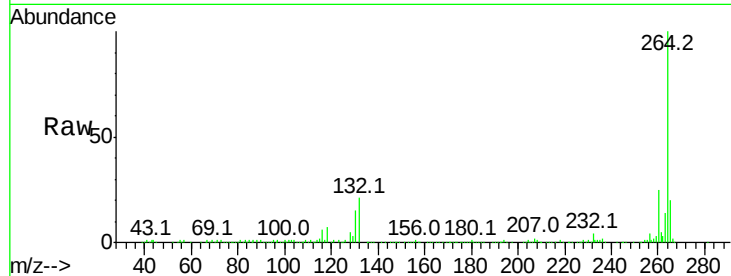




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: BF102260.D
 Acq: 20 Jan 2018 12:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 254984
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.2 28.8
 265 20.3 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

