

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098148.D
 Acq On : 30 Aug 2017 9:53
 Operator : SJ/JU
 Sample : I4992-02
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 30 12:16:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

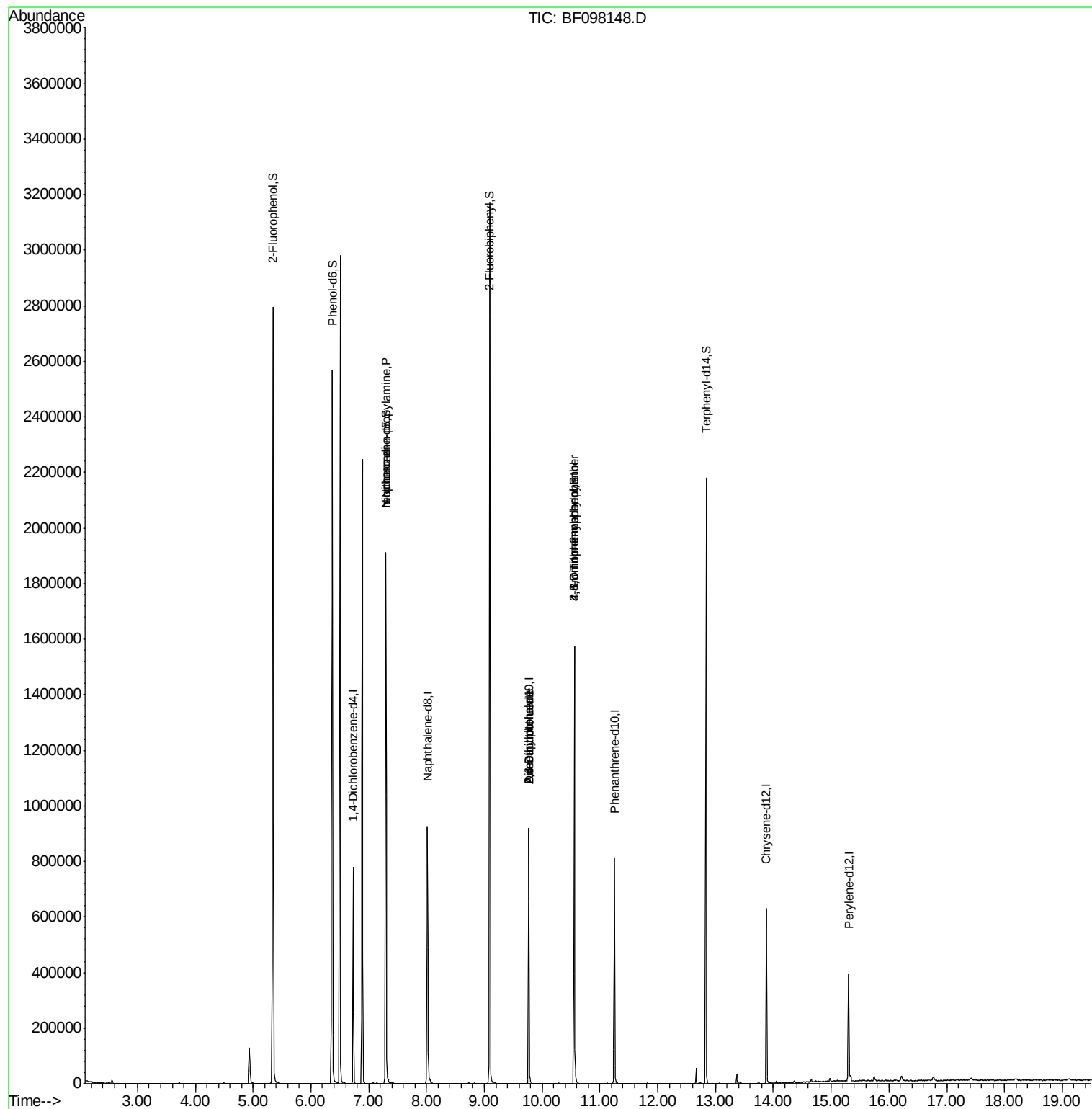
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	104079	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	417195	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	173891	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	271915	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	217638	20.00	ng	-0.02
86) Perylene-d12	15.30	264	181414	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	830787	121.42	ng	0.00
7) Phenol-d6	6.37	99	1052143	113.17	ng	-0.02
23) Nitrobenzene-d5	7.30	82	705405	91.85	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	172044	114.03	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	1029964	87.02	ng	-0.02
78) Terphenyl-d14	12.84	244	702455	67.31	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	93166	14.639	ng	# 72
25) Isophorone	7.30	82	694526	43.493	ng	# 67
49) Dimethylphthalate	9.77	163	45764	3.600	ng	# 1
50) 2,6-Dinitrotoluene	9.77	165	21912	8.636	ng	# 34
56) 2,4-Dinitrotoluene	9.77	165	21912	6.882	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	284	8.504	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	11110	3.935	ng	# 1

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

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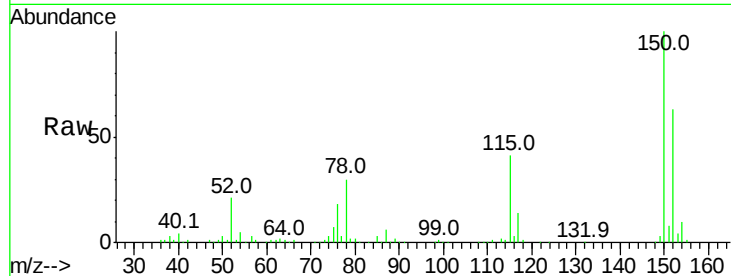


#1

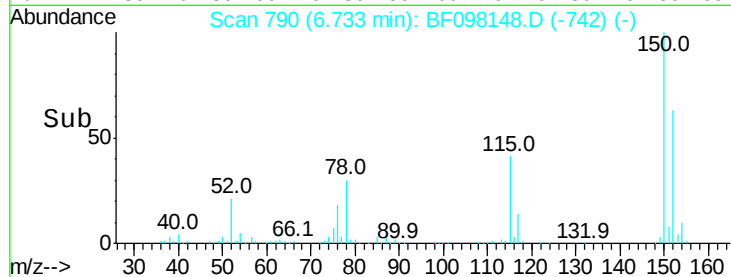
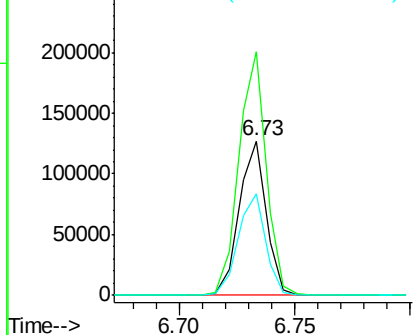
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF098148.D
 Acq: 30 Aug 2017 9:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 104079
 Ion Ratio Lower Upper
 152 100
 150 157.8 126.2 189.2
 115 65.4 52.2 78.2



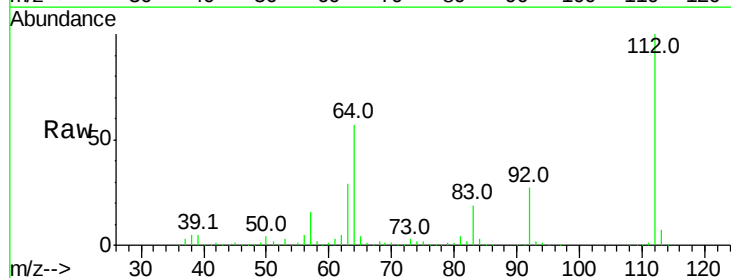
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



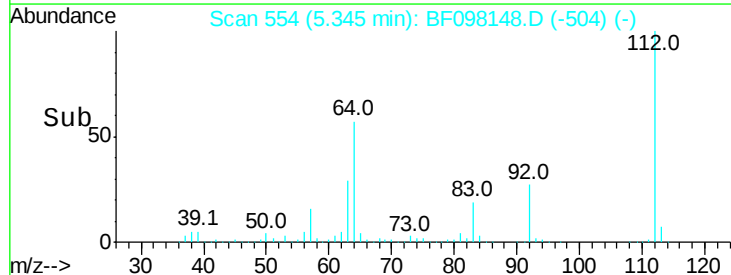
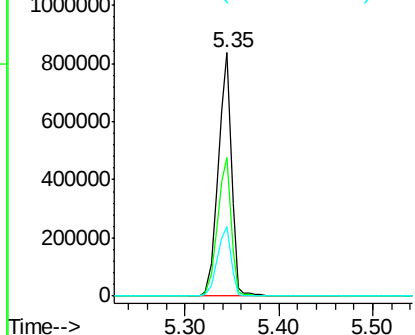
#5

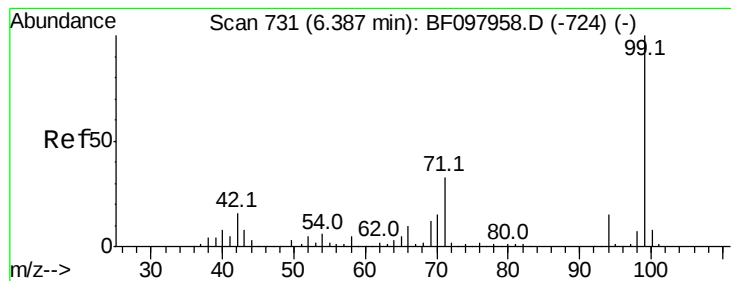
2-Fluorophenol
 Concen: 121.416 ng
 RT: 5.35 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF098148.D
 Acq: 30 Aug 2017 9:53

Tgt Ion:112 Resp: 830787
 Ion Ratio Lower Upper
 112 100
 64 57.1 46.0 69.0
 63 28.5 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 113.171 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF098148.D

Acq: 30 Aug 2017 9:53

Instrument :

BNA_F

ClientSampled :

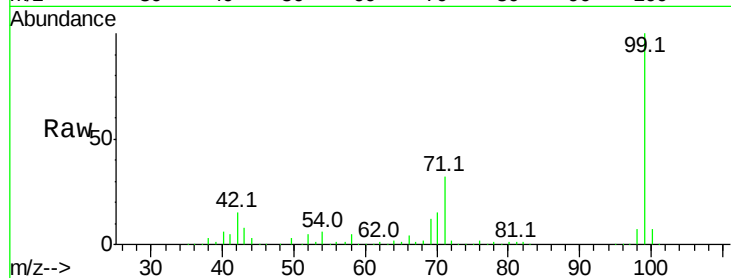
Tot Ion: 99 Resp: 1052143

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

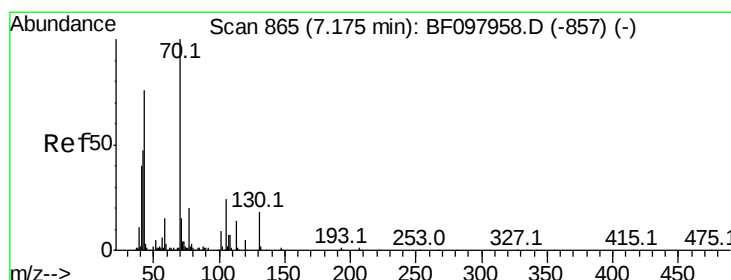
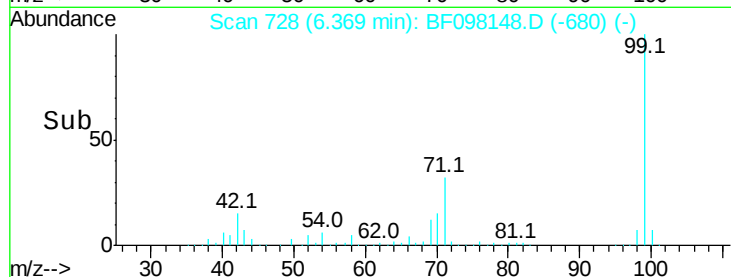
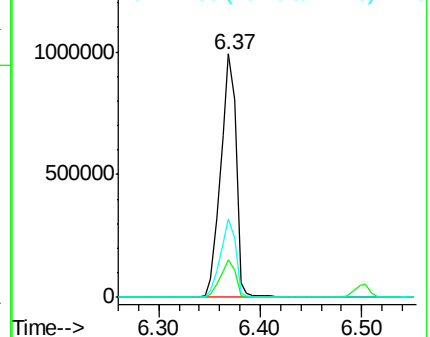
71 32.4 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 14.639 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.12 min

Lab File: BF098148.D

Acq: 30 Aug 2017 9:53

Tgt Ion: 70 Resp: 93166

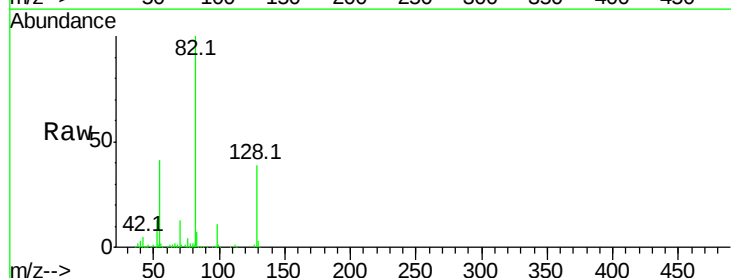
Ion Ratio Lower Upper

70 100

42 40.3 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

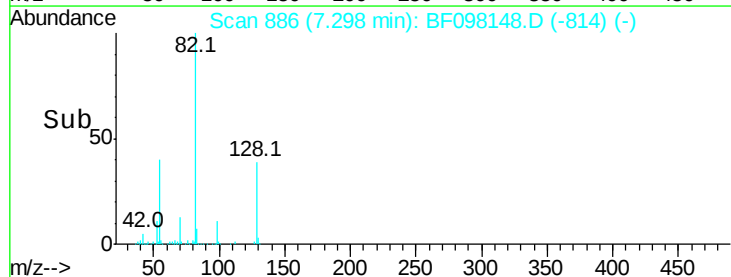
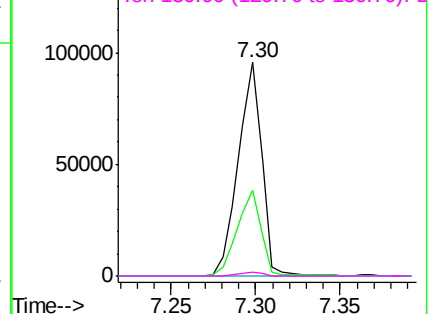


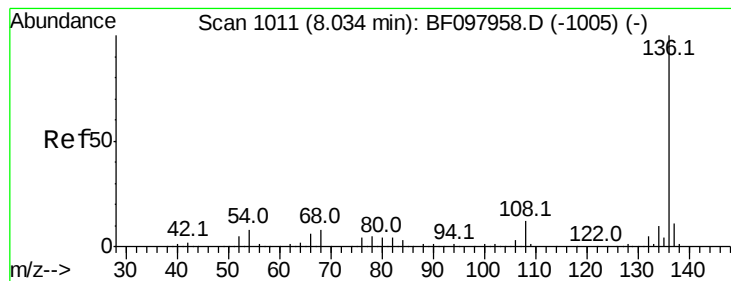
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF098148.D

Acq: 30 Aug 2017 9:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 417195

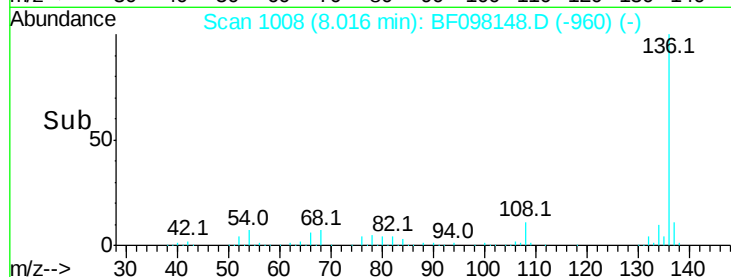
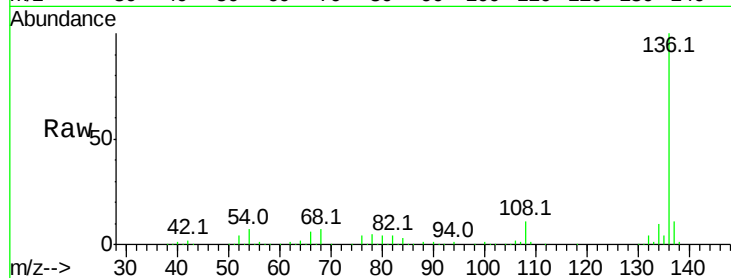
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.4 4.9 7.3#

68 6.6 4.1 6.1#

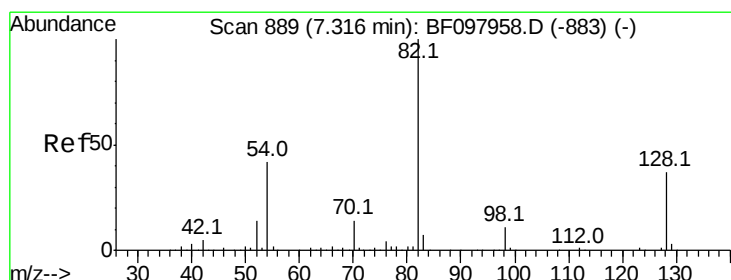
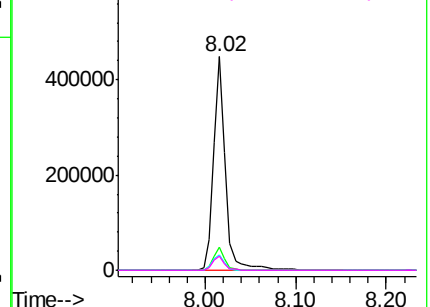


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 91.854 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.02 min

Lab File: BF098148.D

Acq: 30 Aug 2017 9:53

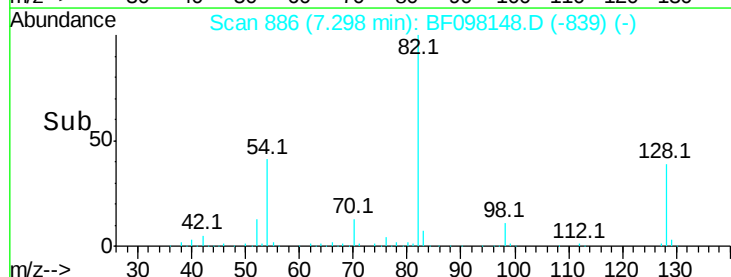
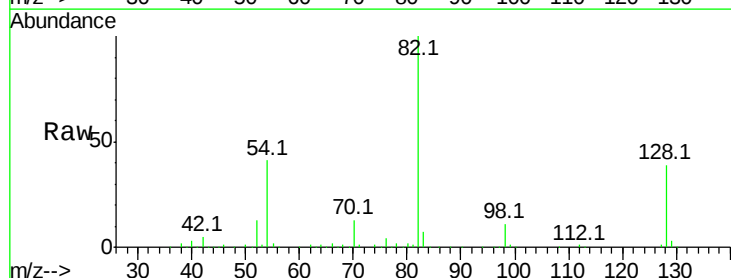
Tgt Ion: 82 Resp: 705405

Ion Ratio Lower Upper

82 100

128 38.7 34.0 51.0

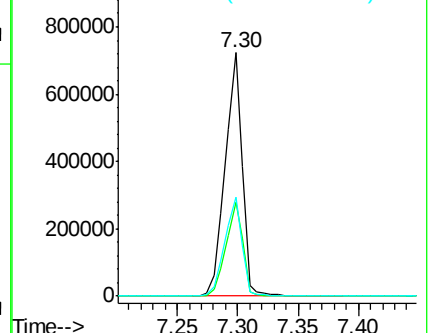
54 40.7 42.2 63.2#

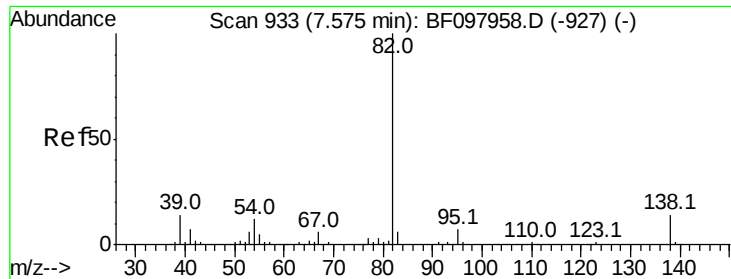


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 43.493 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.28 min

Lab File: BF098148.D

Acq: 30 Aug 2017 9:53

Instrument :

BNA_F

ClientSampled :

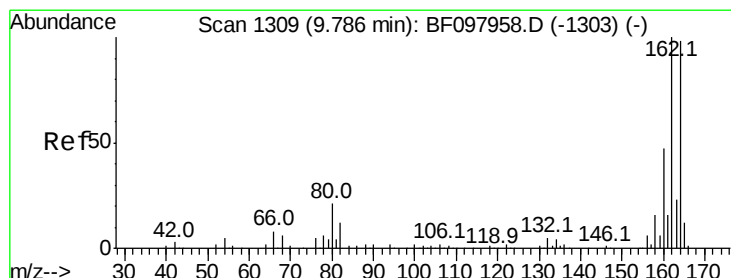
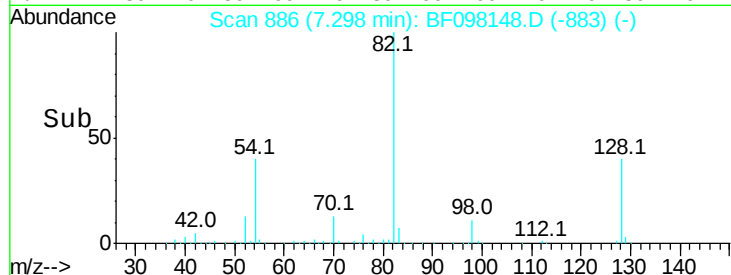
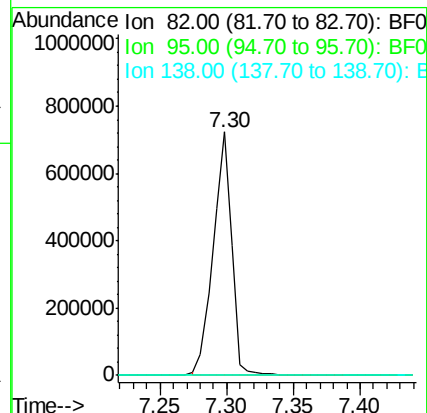
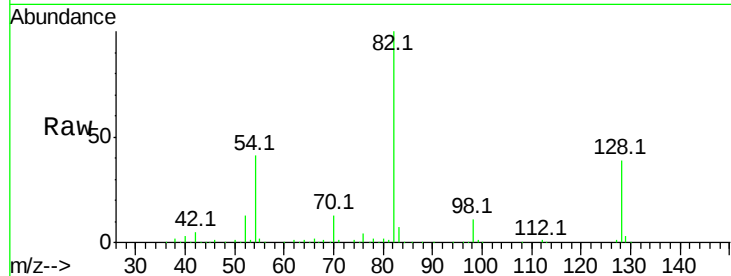
Tot Ion: 82 Resp: 694526

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF098148.D

Acq: 30 Aug 2017 9:53

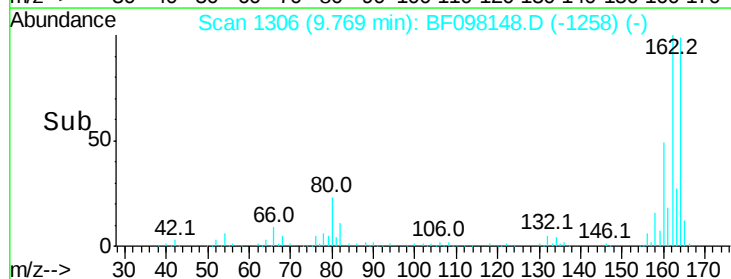
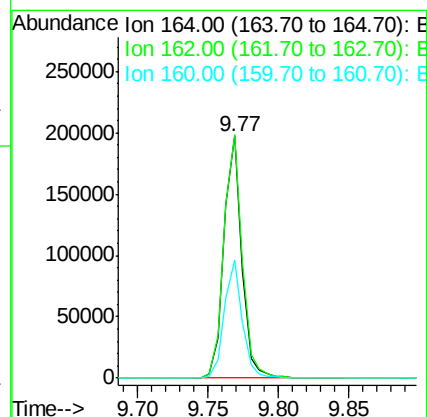
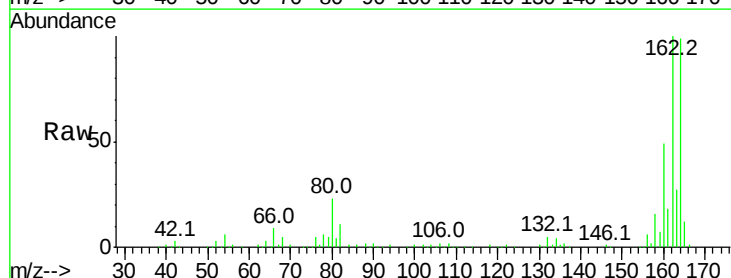
Tgt Ion: 164 Resp: 173891

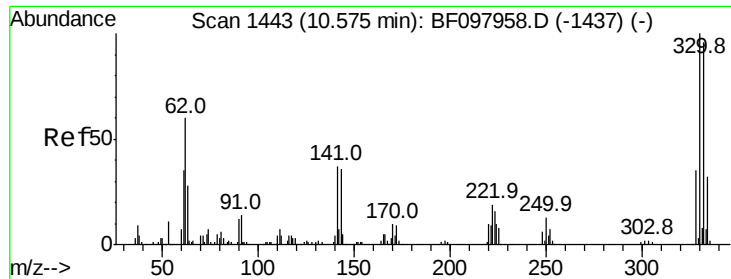
Ion Ratio Lower Upper

164 100

162 100.7 82.6 123.8

160 49.1 36.2 54.2

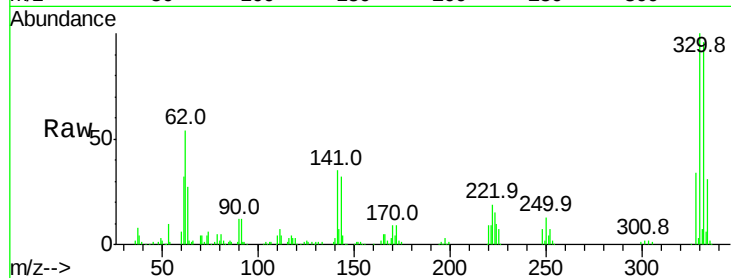




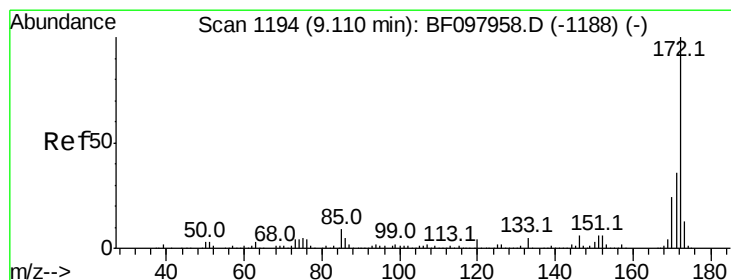
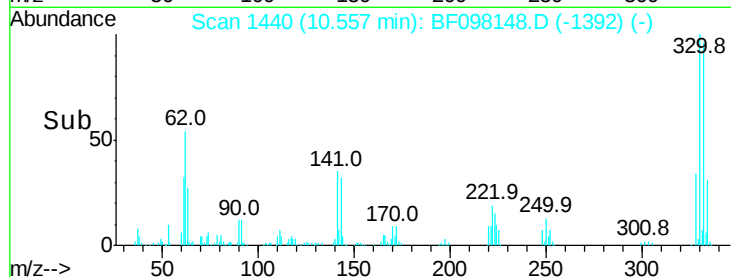
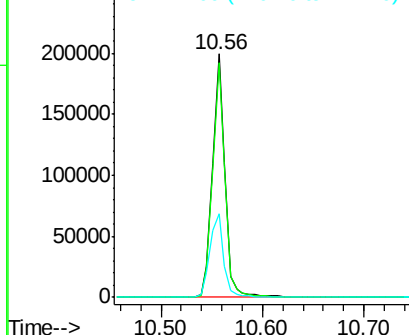
#41
 2,4,6-Tribromophenol
 Concen: 114.028 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098148.D
 Acq: 30 Aug 2017 9:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 172044
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.6 115.0
 141 37.5 31.4 47.2

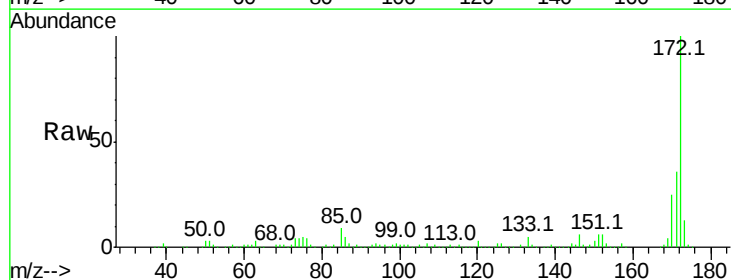


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

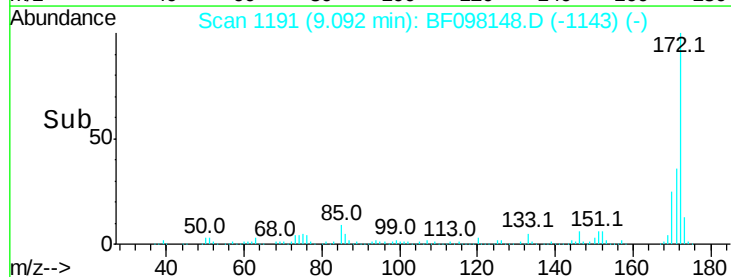
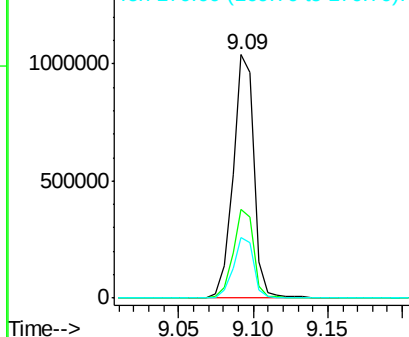


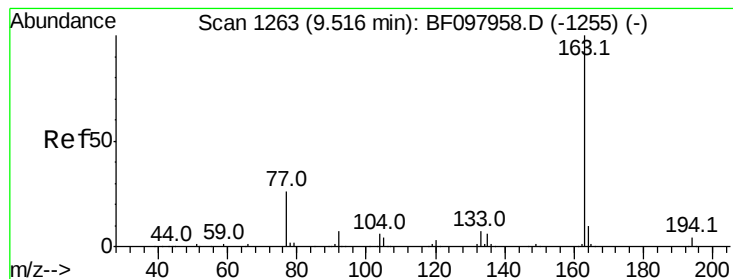
#44
 2-Fluorobiphenyl
 Concen: 87.022 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF098148.D
 Acq: 30 Aug 2017 9:53

Tgt Ion:172 Resp: 1029964
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 24.8 19.8 29.8



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: 3.600 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.25 min

Lab File: BF098148.D

Acq: 30 Aug 2017 9:53

Instrument :

BNA_F

ClientSampleId :

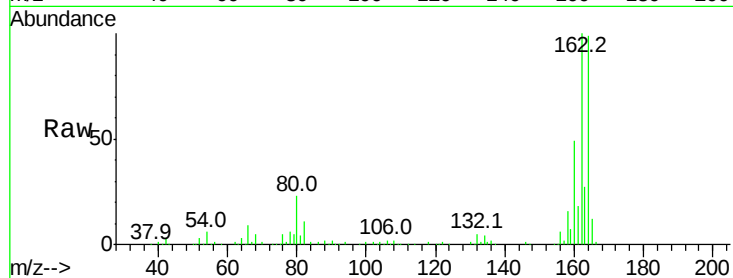
Tot Ion:163 Resp: 45764

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

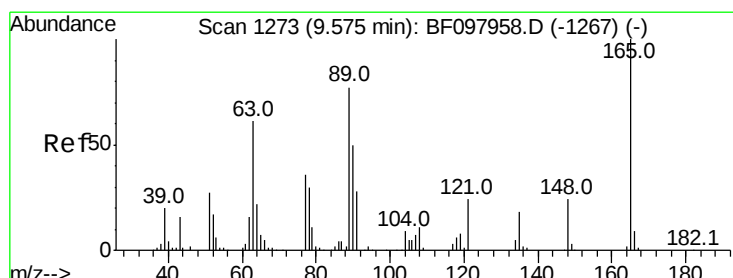
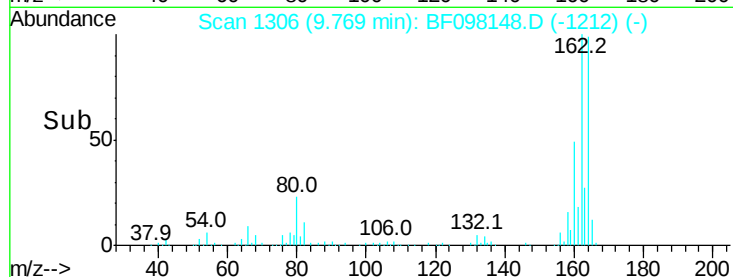
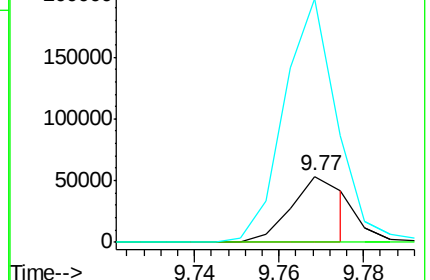
164 367.4 8.4 12.6#



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



#50

2,6-Dinitrotoluene

Concen: 8.636 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.19 min

Lab File: BF098148.D

Acq: 30 Aug 2017 9:53

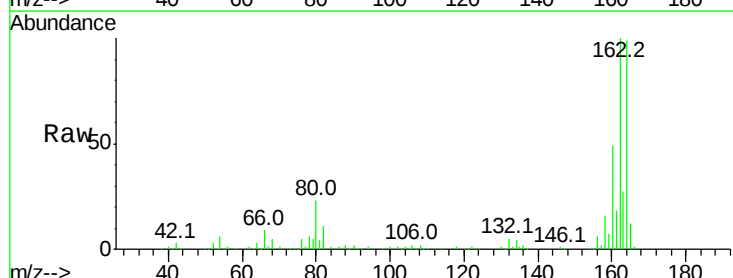
Tgt Ion:165 Resp: 21912

Ion Ratio Lower Upper

165 100

63 1.7 34.3 51.5#

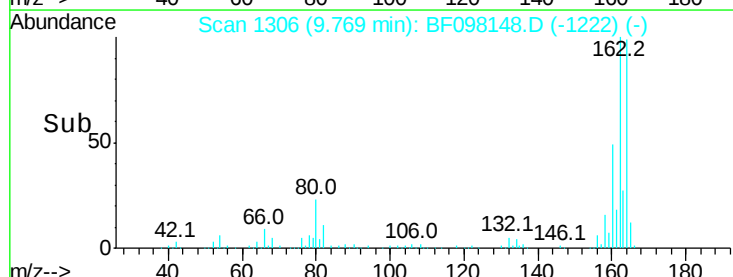
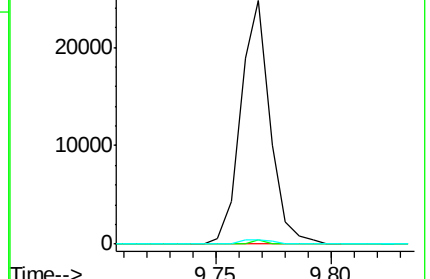
89 1.5 37.1 55.7#

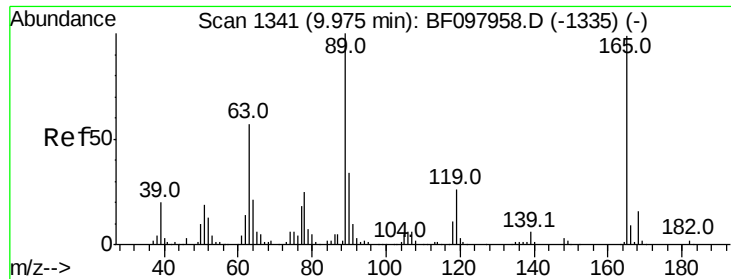


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

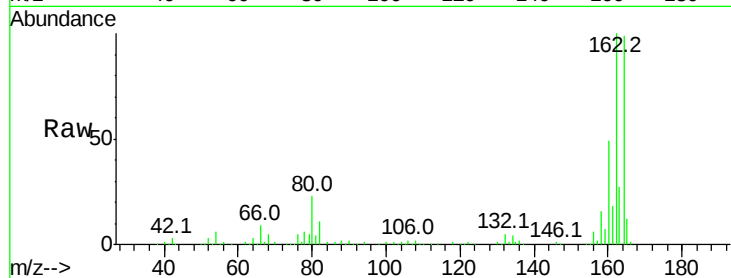




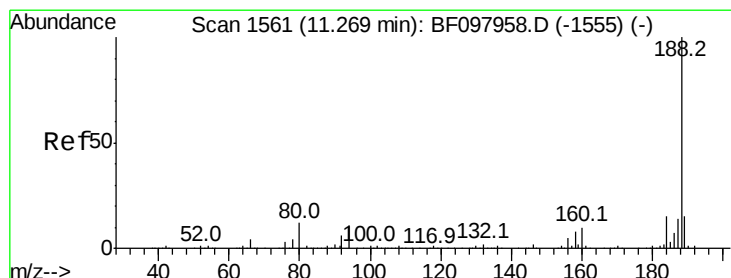
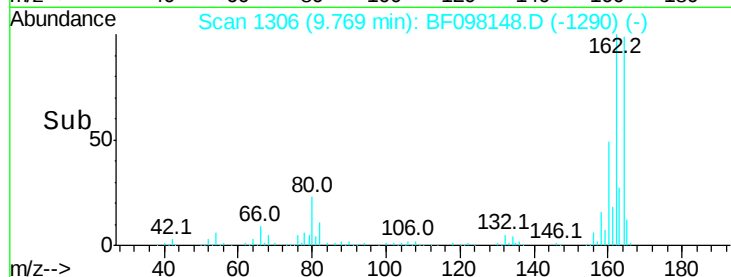
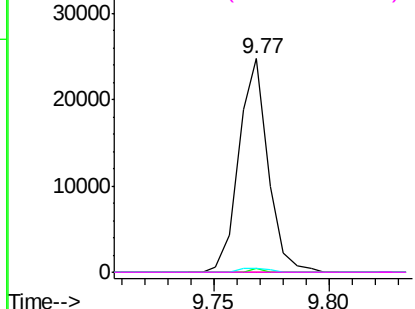
#56
 2,4-Dinitrotoluene
 Concen: 6.882 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.21 min
 Lab File: BF098148.D
 Acq: 30 Aug 2017 9:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 21912
 Ion Ratio Lower Upper
 165 100
 63 1.7 25.4 38.0#
 89 1.5 46.4 69.6#
 182 0.0 1.8 2.6#

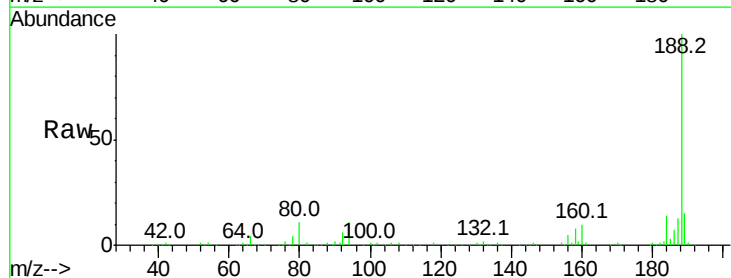


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

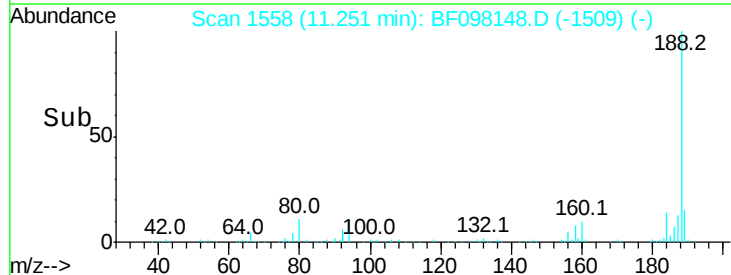
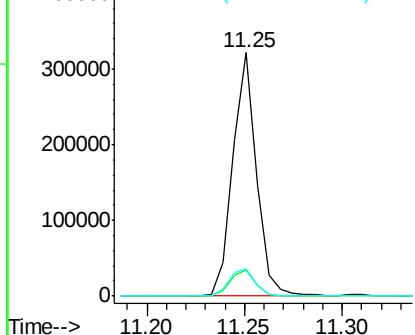


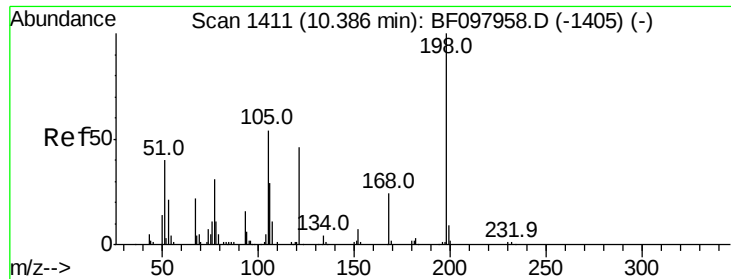
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF098148.D
 Acq: 30 Aug 2017 9:53

Tgt Ion:188 Resp: 271915
 Ion Ratio Lower Upper
 188 100
 94 10.8 9.4 14.2
 80 11.3 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

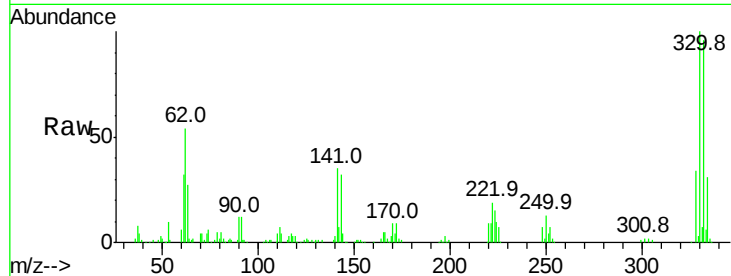




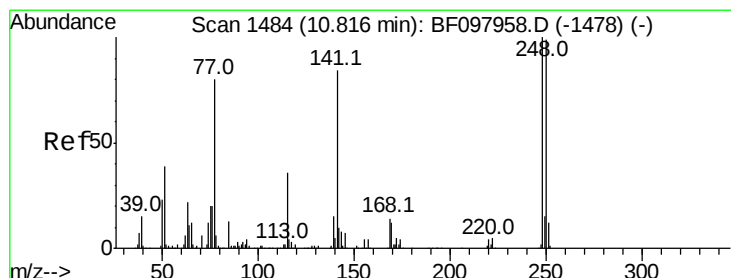
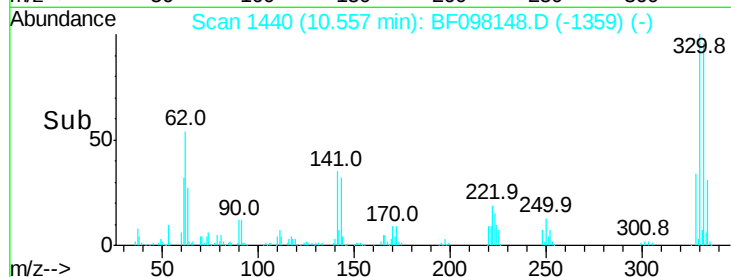
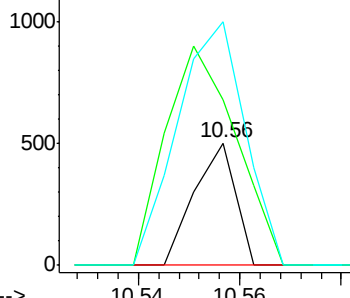
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.504 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.18 min
 Lab File: BF098148.D
 Acq: 30 Aug 2017 9:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 284
 Ion Ratio Lower Upper
 198 100
 51 135.5 53.2 93.2#
 105 198.6 45.8 85.8#

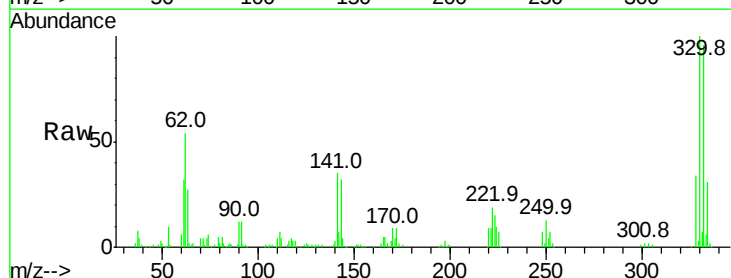


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

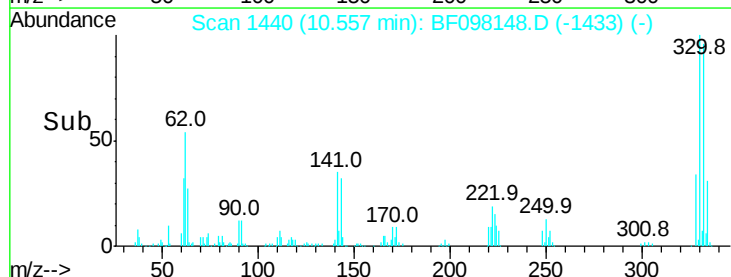
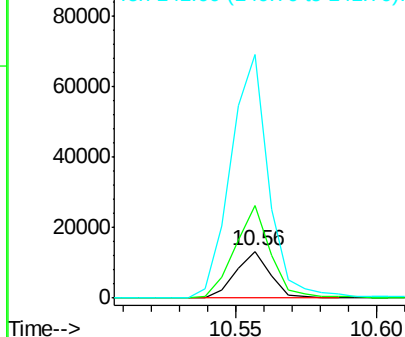


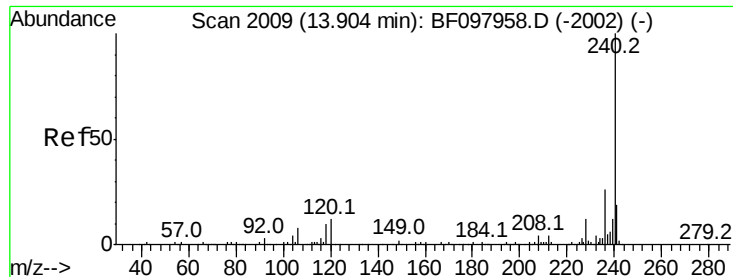
#66
 4-Bromophenyl-phenylether
 Concen: 3.935 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.26 min
 Lab File: BF098148.D
 Acq: 30 Aug 2017 9:53

Tgt Ion:248 Resp: 11110
 Ion Ratio Lower Upper
 248 100
 250 196.5 76.8 115.2#
 141 518.8 68.6 103.0#



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: 13.88 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF098148.D

Acq: 30 Aug 2017 9:53

Instrument :

BNA_F

ClientSampleId :

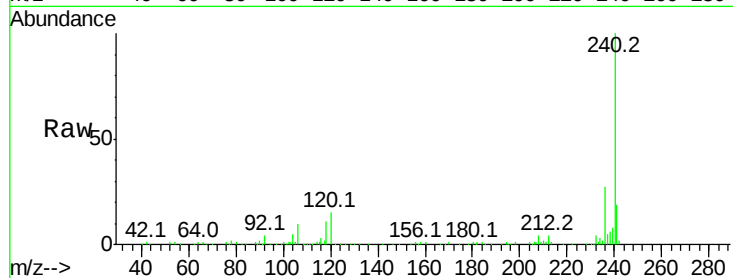
Tot Ion:240 Resp: 217638

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

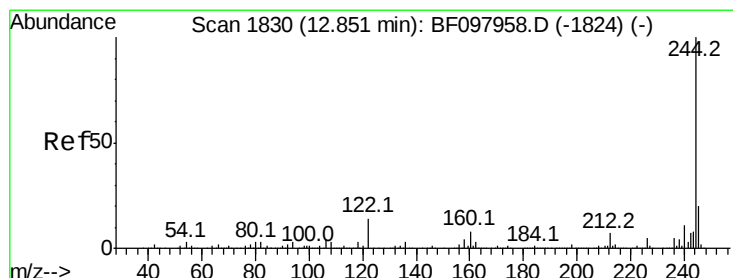
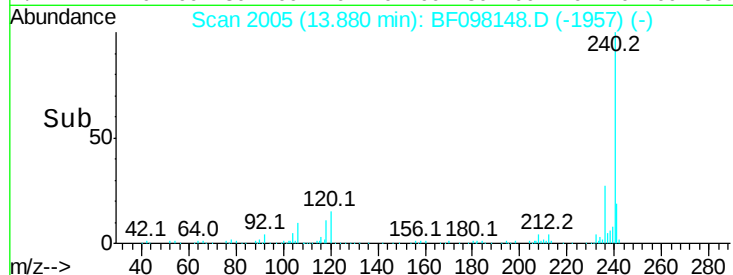
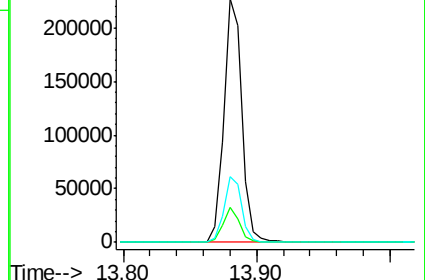
236 26.8 20.5 30.7



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: 67.307 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF098148.D

Acq: 30 Aug 2017 9:53

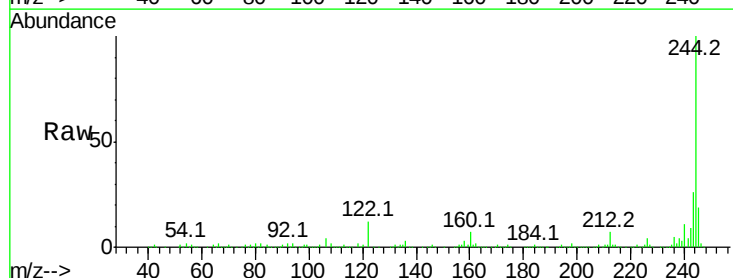
Tgt Ion:244 Resp: 702455

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

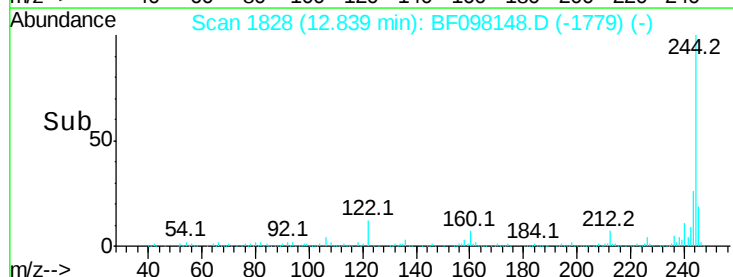
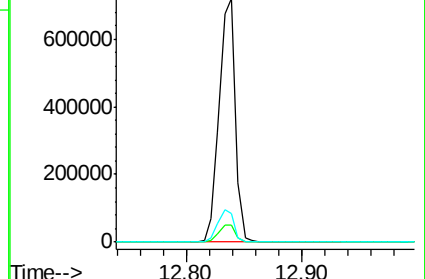
122 11.6 10.3 15.5

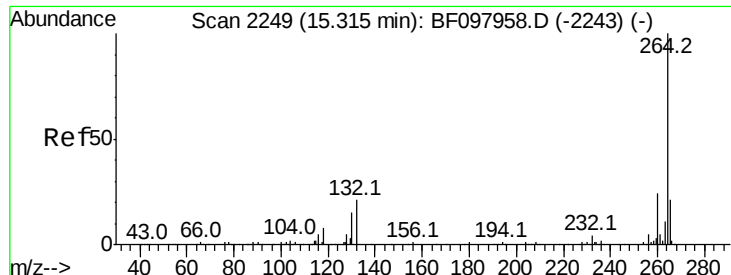


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

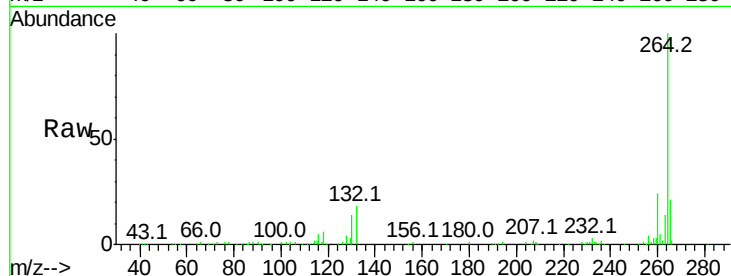




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. -0.01 min
 Lab File: BF098148.D
 Acq: 30 Aug 2017 9:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.3	17.2	25.8



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

