

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098167.D
 Acq On : 30 Aug 2017 20:35
 Operator : SJ/JU
 Sample : I5008-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 06:44:28 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	6.72	152	134790	20.00	ng	-0.03
21) Naphthalene-d8	8.00	136	546611	20.00	ng	-0.03
38) Acenaphthene-d10	9.76	164	245708	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	445995	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	271470	20.00	ng	-0.03
86) Perylene-d12	15.28	264	255219	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	962391	108.60	ng	0.00
7) Phenol-d6	6.36	99	1164061	96.68	ng	-0.02
23) Nitrobenzene-d5	7.29	82	904695	89.91	ng	-0.03
41) 2,4,6-Tribromophenol	10.55	330	253789	119.04	ng	-0.03
44) 2-Fluorobiphenyl	9.08	172	1362938	81.50	ng	-0.03
78) Terphenyl-d14	12.82	244	973385	74.77	ng	-0.03

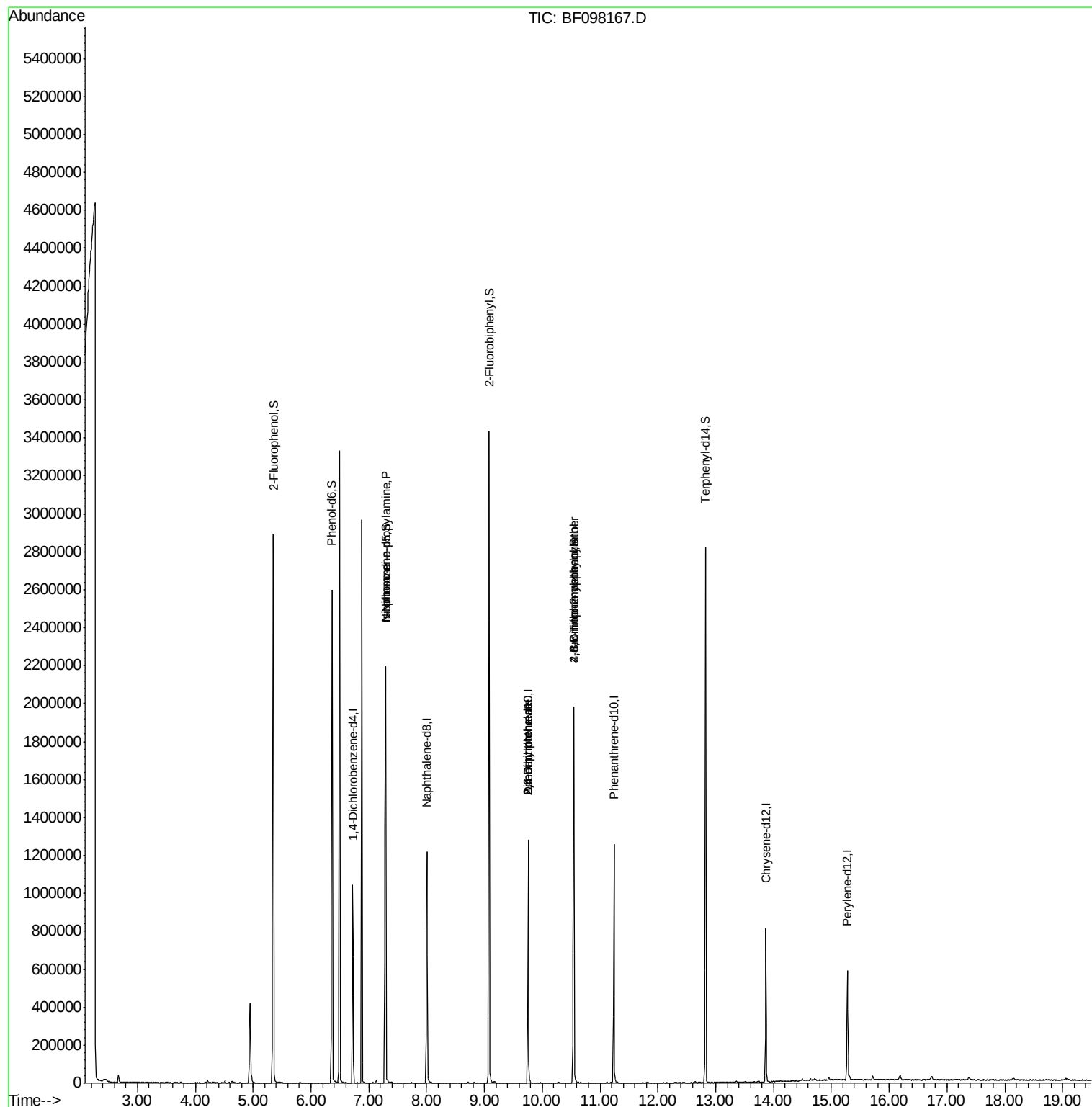
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	120527	14.623	ng	# 68
25) Isophorone	7.29	82	897366	42.890	ng	# 67
49) Dimethylphthalate	9.76	163	67406	3.753	ng	# 1
50) 2,6-Dinitrotoluene	9.76	165	30855	8.606	ng	# 34
56) 2,4-Dinitrotoluene	9.76	165	30855	6.858	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.55	198	553	8.538	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	16556	3.575	ng	# 1

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

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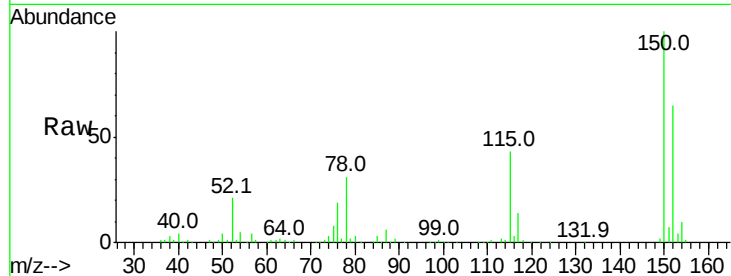


#1

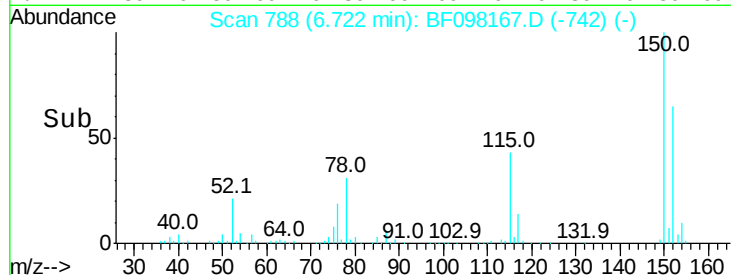
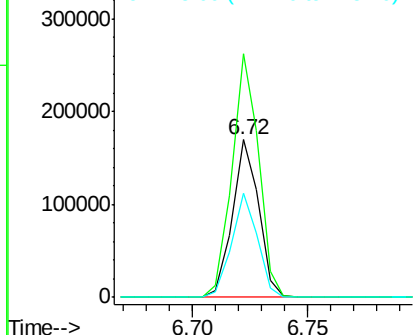
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.03 min
Lab File: BF098167.D
Acq: 30 Aug 2017 20:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 134790
Ion Ratio Lower Upper
152 100
150 154.7 126.2 189.2
115 66.3 52.2 78.2



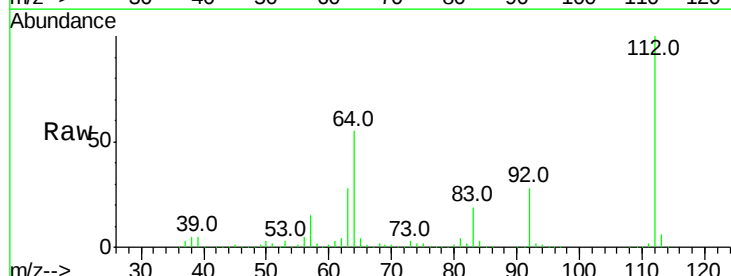
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



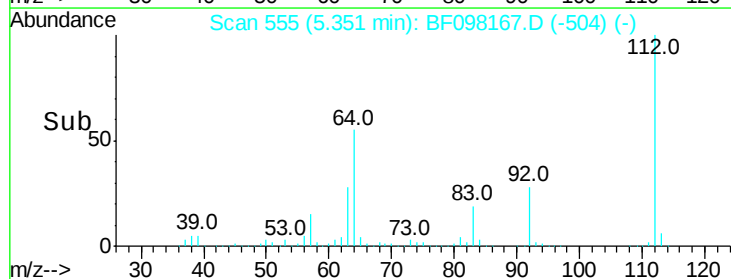
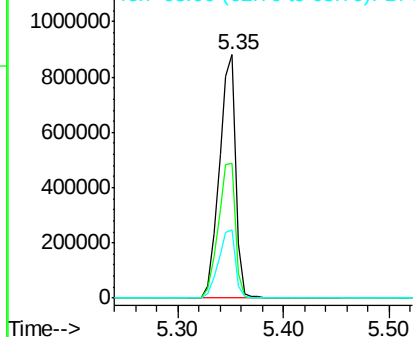
#5

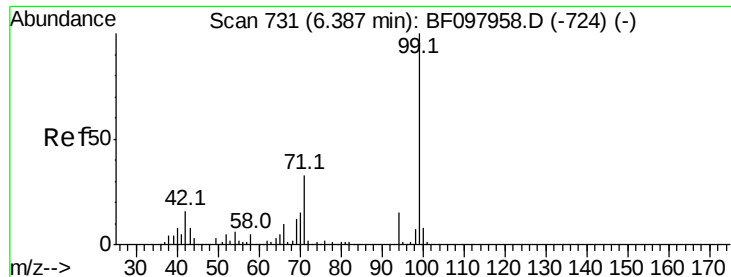
2-Fluorophenol
Concen: 108.604 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF098167.D
Acq: 30 Aug 2017 20:35

Tgt Ion:112 Resp: 962391
Ion Ratio Lower Upper
112 100
64 55.3 46.0 69.0
63 28.1 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: 96.681 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF098167.D

Acq: 30 Aug 2017 20:35

Instrument :

BNA_F

ClientSampleId :

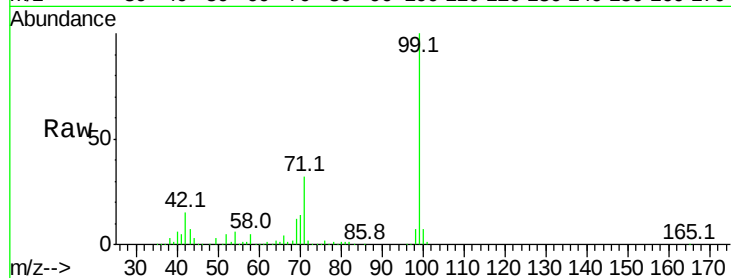
Tot Ion: 99 Resp: 1164061

Ion Ratio Lower Upper

99 100

42 14.9 13.5 20.3

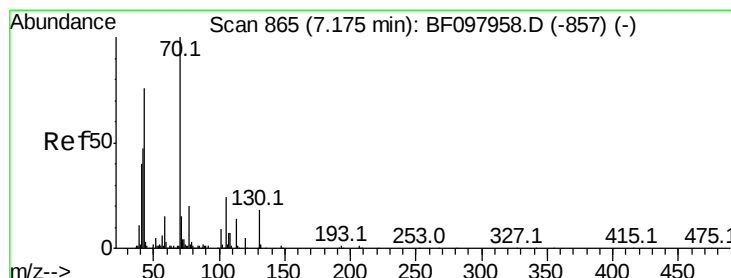
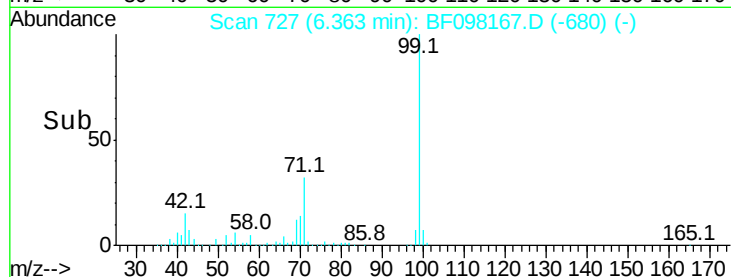
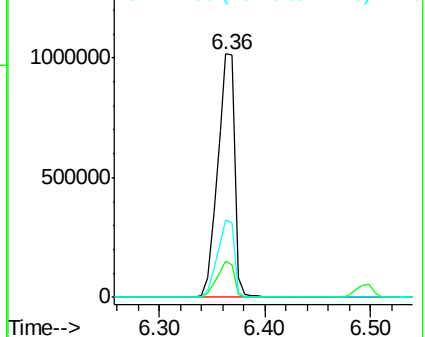
71 31.6 24.5 36.7



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: 14.623 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.12 min

Lab File: BF098167.D

Acq: 30 Aug 2017 20:35

Tgt Ion: 70 Resp: 120527

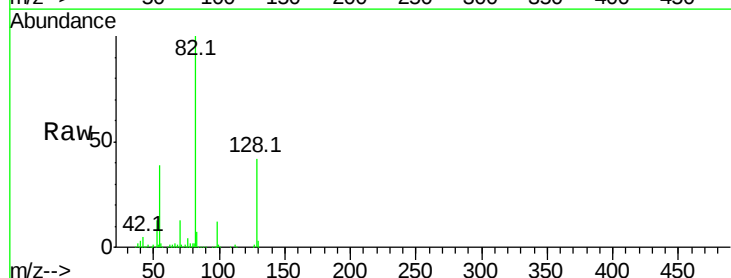
Ion Ratio Lower Upper

70 100

42 36.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

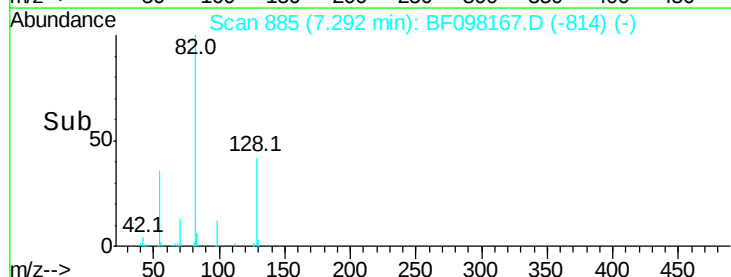
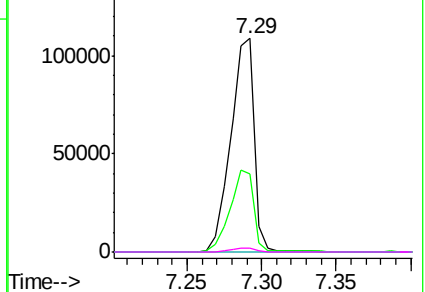


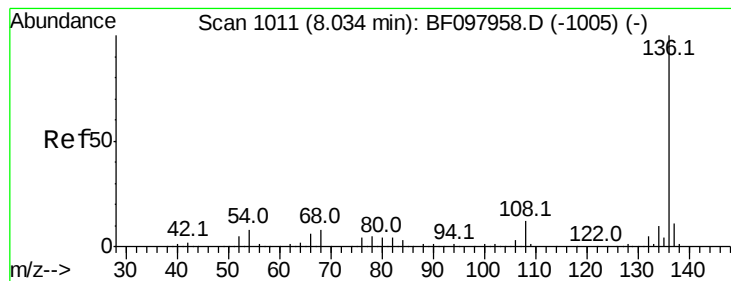
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.00 min Scan# 1006

Delta R.T. -0.03 min

Lab File: BF098167.D

Acq: 30 Aug 2017 20:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 546611

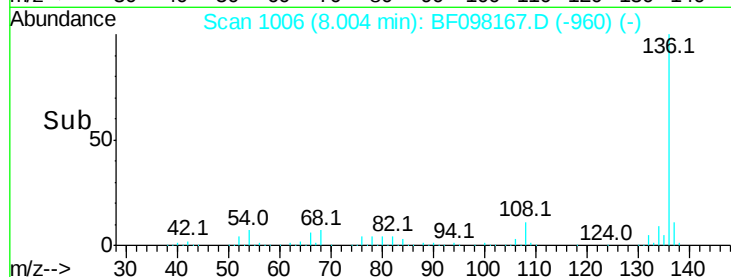
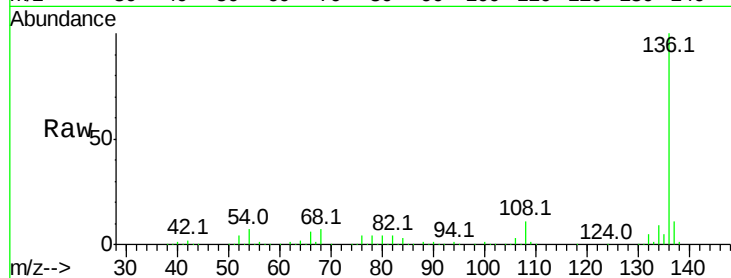
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.3 4.9 7.3

68 7.4 4.1 6.1#

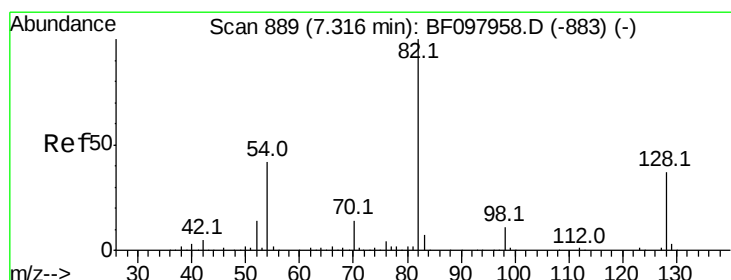
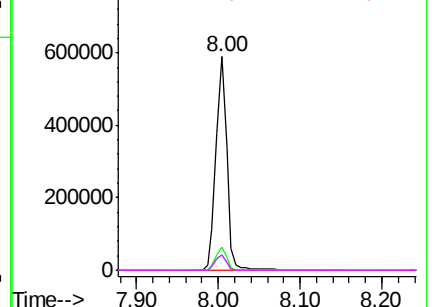


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.913 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.03 min

Lab File: BF098167.D

Acq: 30 Aug 2017 20:35

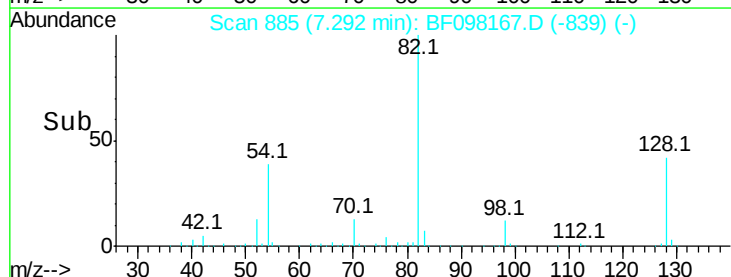
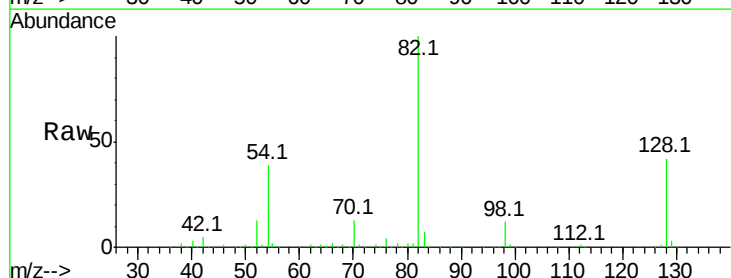
Tgt Ion: 82 Resp: 904695

Ion Ratio Lower Upper

82 100

128 41.9 34.0 51.0

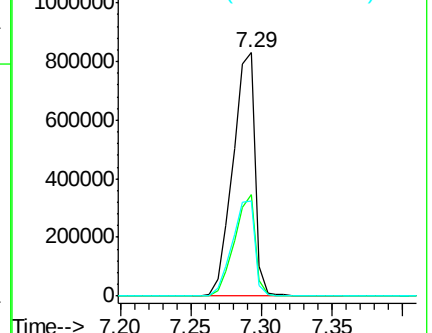
54 39.1 42.2 63.2#

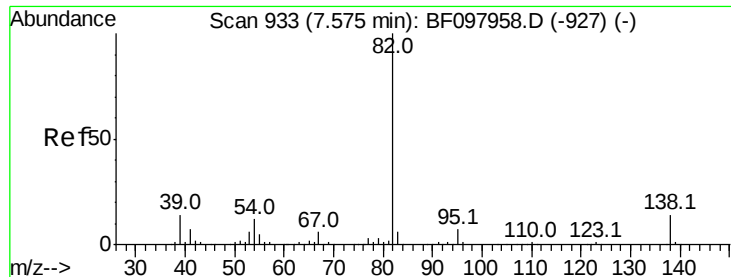


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 42.890 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.29 min

Lab File: BF098167.D

Acq: 30 Aug 2017 20:35

Instrument :

BNA_F

ClientSampleId :

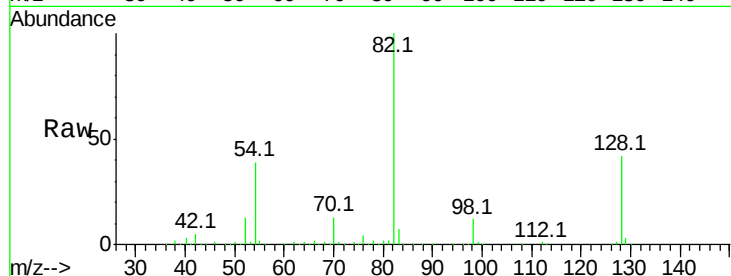
Tot Ion: 82 Resp: 897366

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

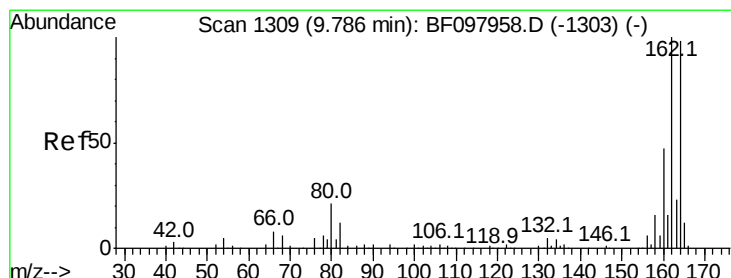
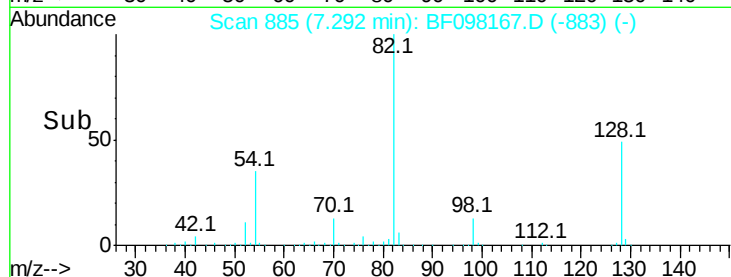
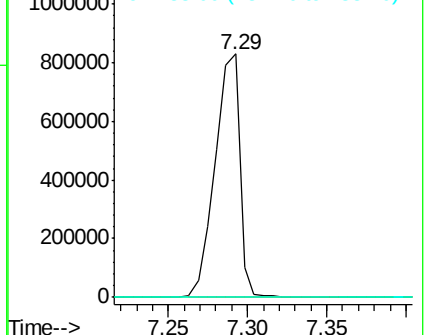
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.03 min

Lab File: BF098167.D

Acq: 30 Aug 2017 20:35

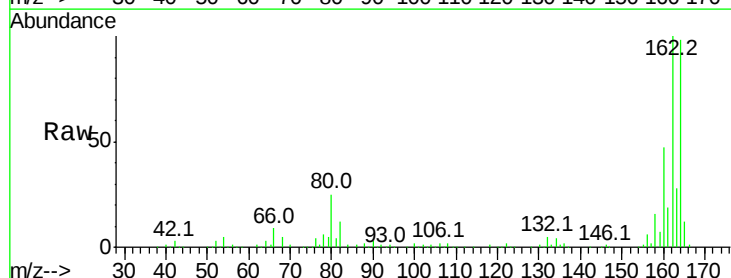
Tgt Ion:164 Resp: 245708

Ion Ratio Lower Upper

164 100

162 102.5 82.6 123.8

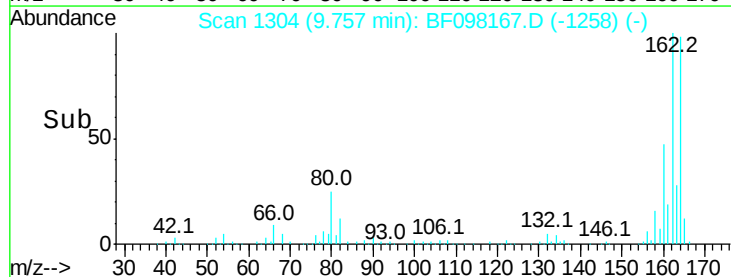
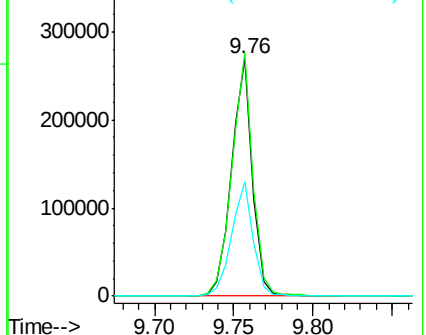
160 48.1 36.2 54.2



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

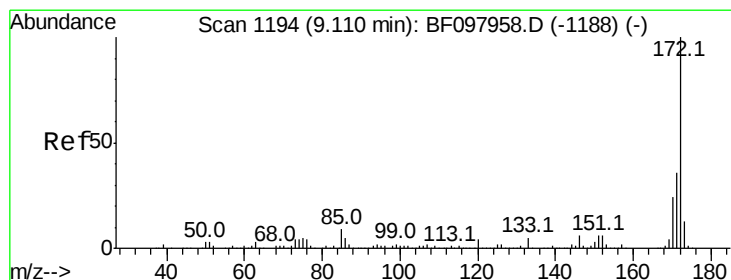
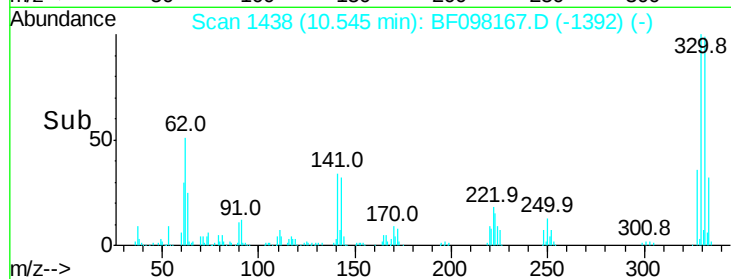
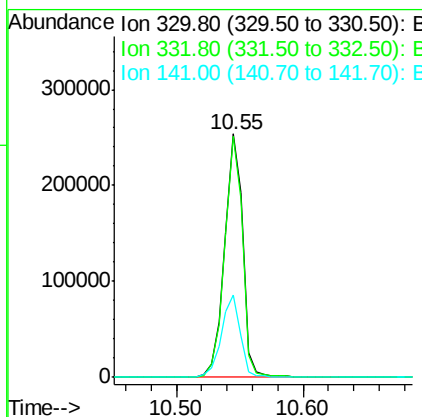
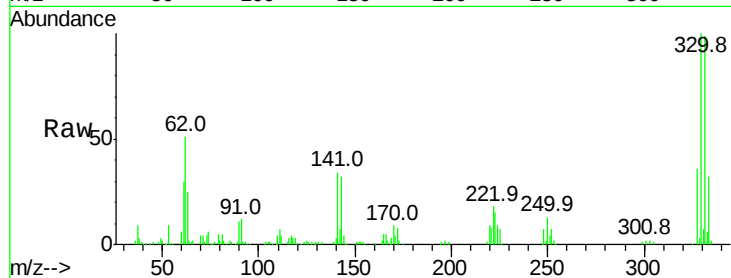




#41
 2,4,6-Tribromophenol
 Concen: 119.043 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098167.D
 Acq: 30 Aug 2017 20:35

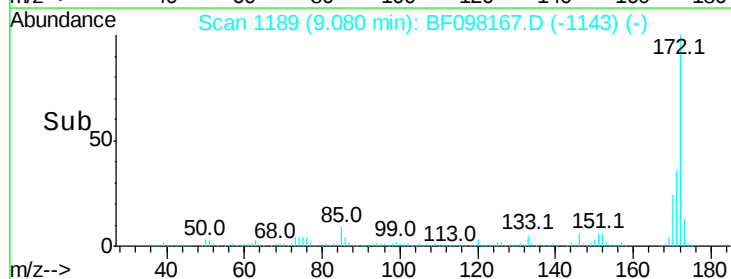
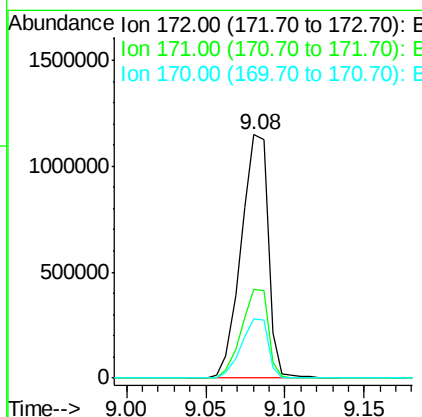
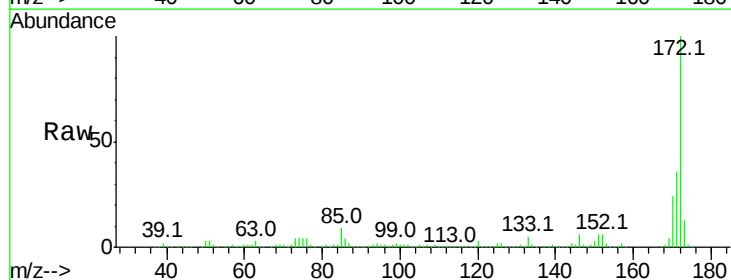
Instrument :
 BNA_F
 ClientSampleId :

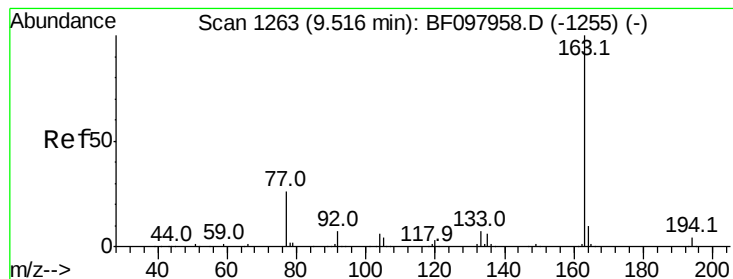
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.6	115.0
141	35.2	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 81.497 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF098167.D
 Acq: 30 Aug 2017 20:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	24.4	19.8	29.8





#49

Dimethylphthalate

Concen: 3.753 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.24 min

Lab File: BF098167.D

Acq: 30 Aug 2017 20:35

Instrument :

BNA_F

ClientSampleId :

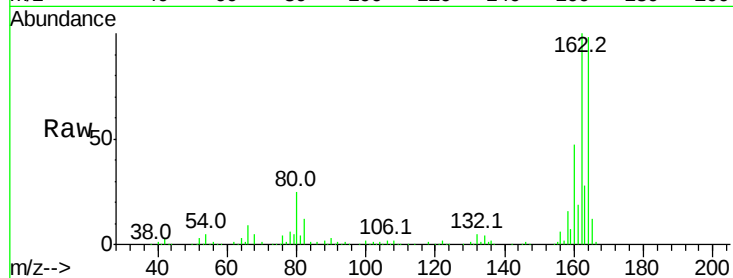
Tot Ion:163 Resp: 67406

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

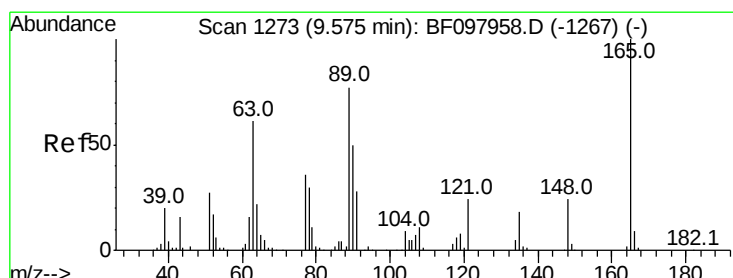
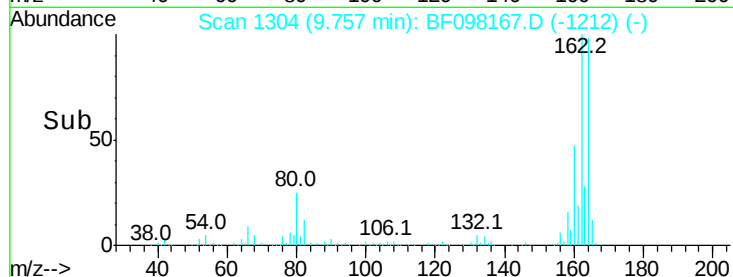
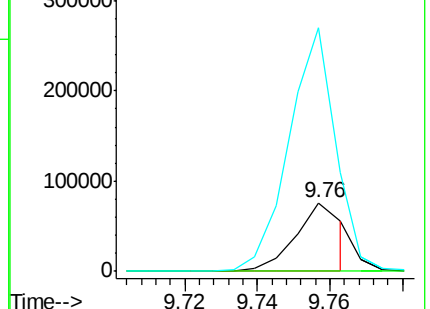
164 354.5 8.4 12.6#



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: 8.606 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.18 min

Lab File: BF098167.D

Acq: 30 Aug 2017 20:35

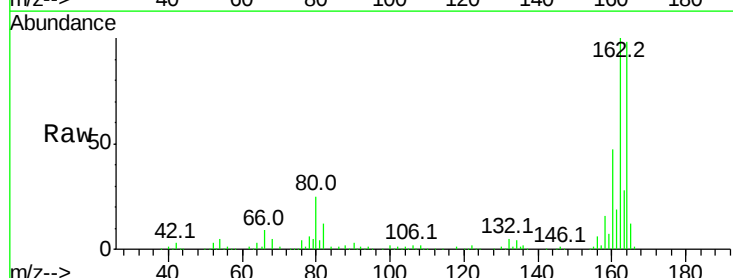
Tgt Ion:165 Resp: 30855

Ion Ratio Lower Upper

165 100

63 1.3 34.3 51.5#

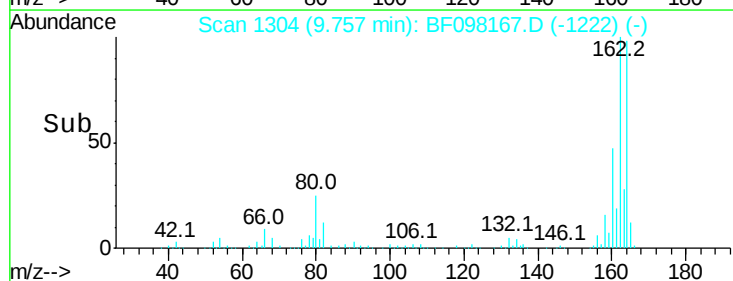
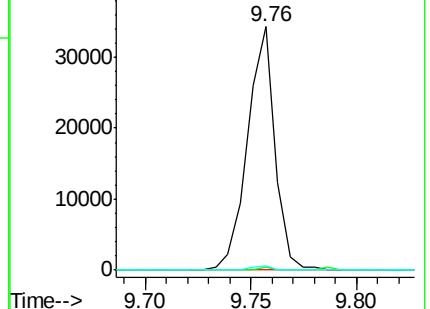
89 1.6 37.1 55.7#

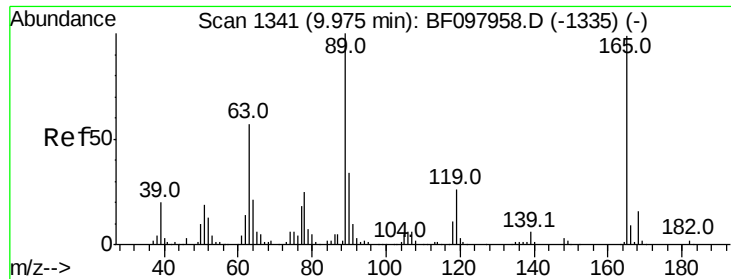


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

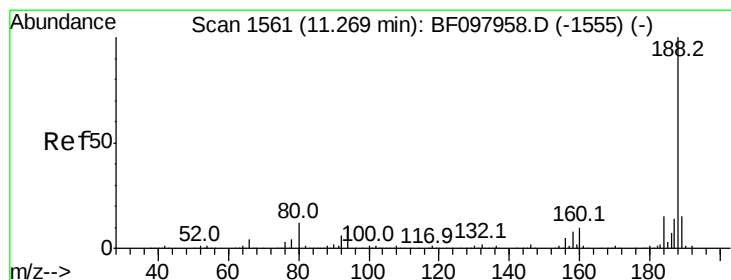
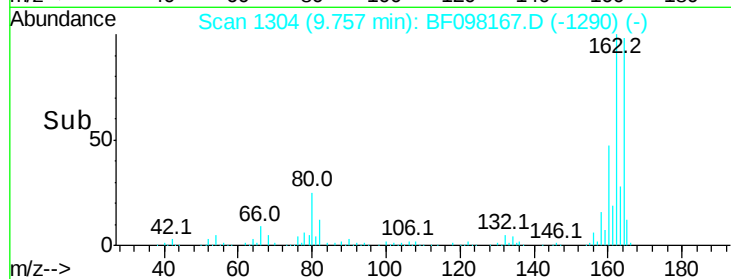
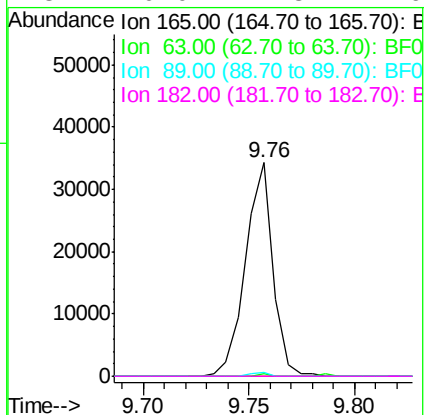
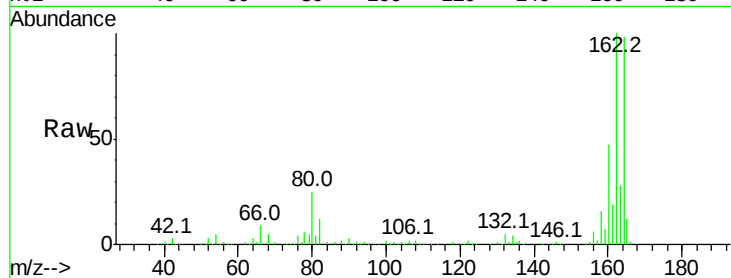




#56
 2,4-Dinitrotoluene
 Concen: 6.858 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.22 min
 Lab File: BF098167.D
 Acq: 30 Aug 2017 20:35

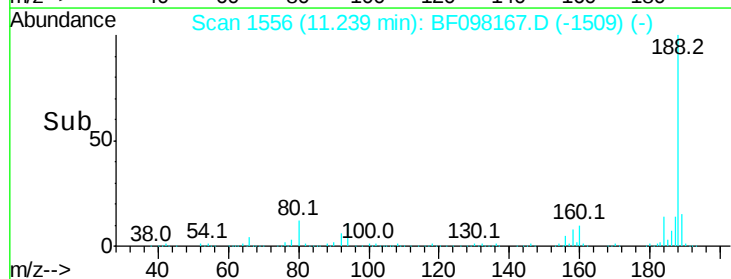
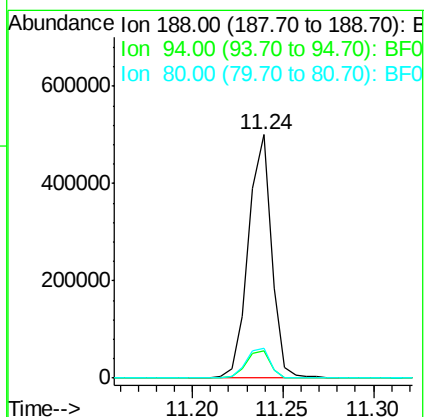
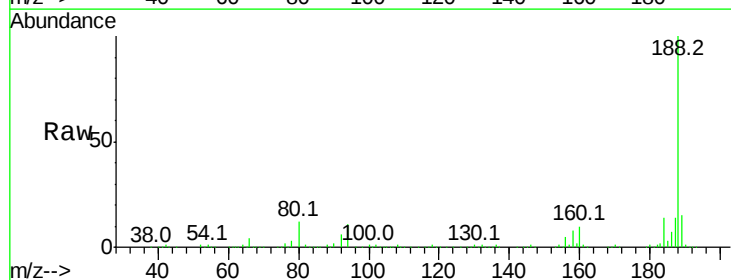
Instrument :
 BNA_F
 ClientSampleId :

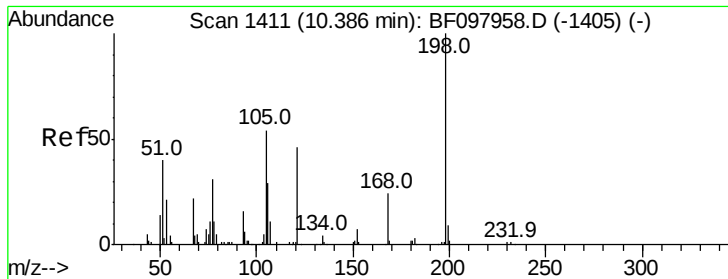
Tot Ion:	165	Resp:	30855
Ion	Ratio	Lower	Upper
165	100		
63	1.3	25.4	38.0#
89	1.6	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.02 min
 Lab File: BF098167.D
 Acq: 30 Aug 2017 20:35

Tgt Ion:	188	Resp:	445995
Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.4	14.2
80	12.0	10.2	15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 8.538 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.16 min

Lab File: BF098167.D

Acq: 30 Aug 2017 20:35

Instrument :

BNA_F

ClientSampleId :

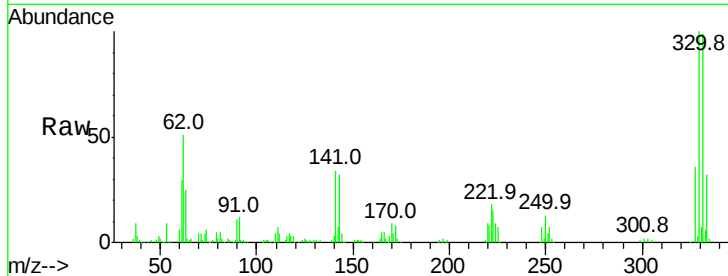
Tot Ion:198 Resp: 553

Ion Ratio Lower Upper

198 100

51 135.2 53.2 93.2#

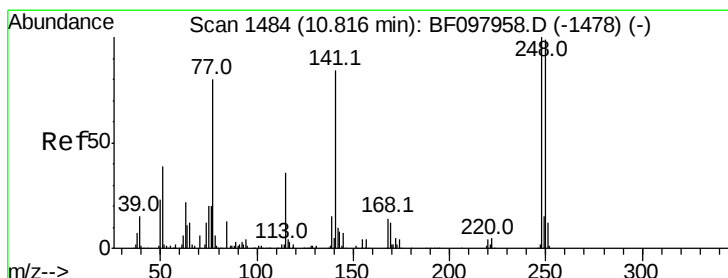
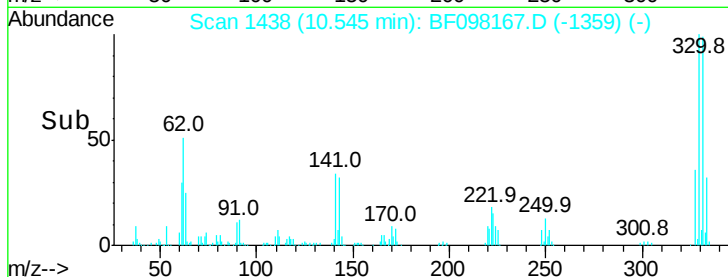
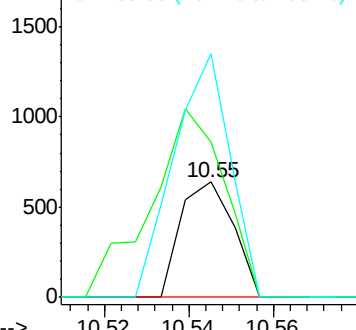
105 211.1 45.8 85.8#



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: 3.575 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.27 min

Lab File: BF098167.D

Acq: 30 Aug 2017 20:35

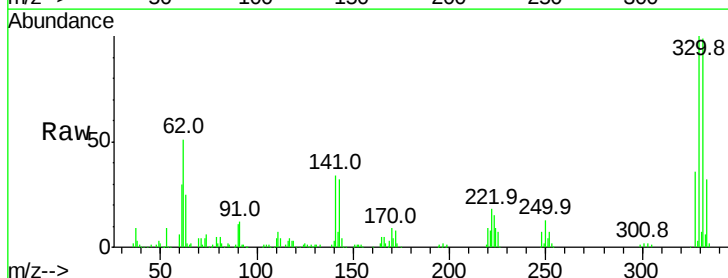
Tgt Ion:248 Resp: 16556

Ion Ratio Lower Upper

248 100

250 197.2 76.8 115.2#

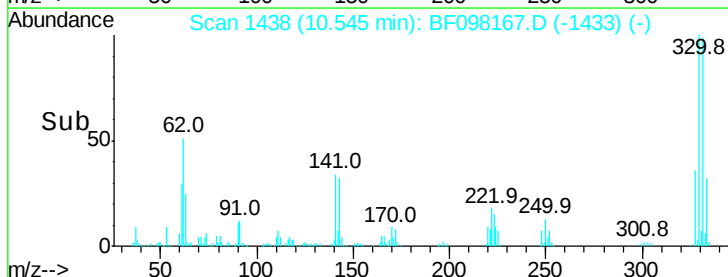
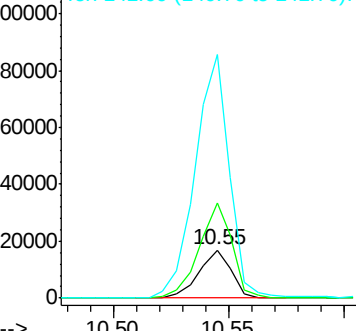
141 503.7 68.6 103.0#

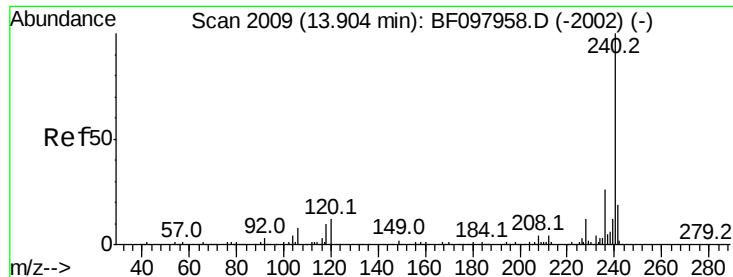


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.87 min Scan# 2003

Delta R.T. -0.03 min

Lab File: BF098167.D

Acq: 30 Aug 2017 20:35

Instrument :

BNA_F

ClientSampleId :

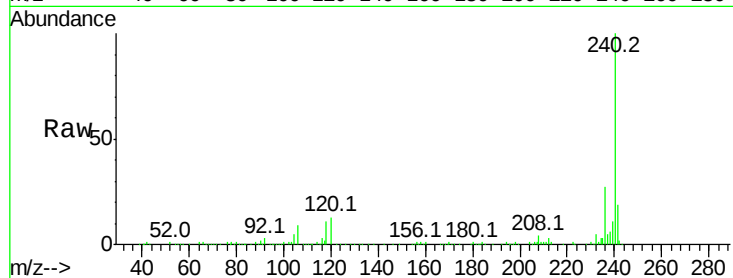
Tot Ion:240 Resp: 271470

Ion Ratio Lower Upper

240 100

120 13.0 5.8 8.8#

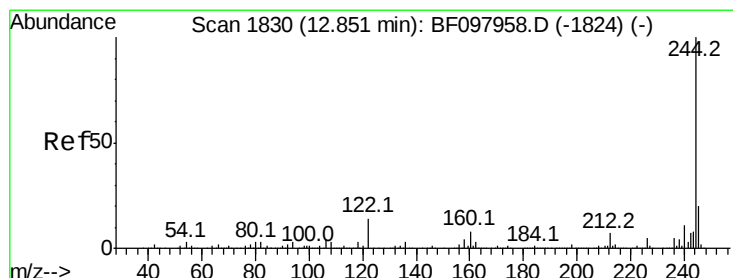
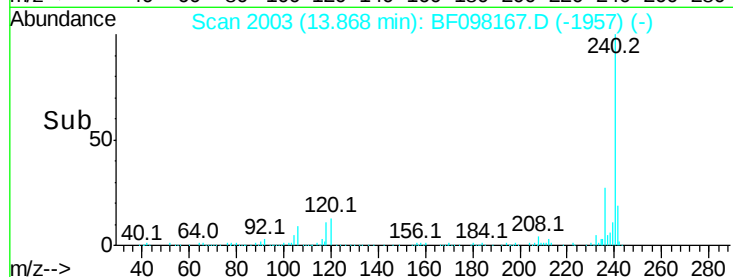
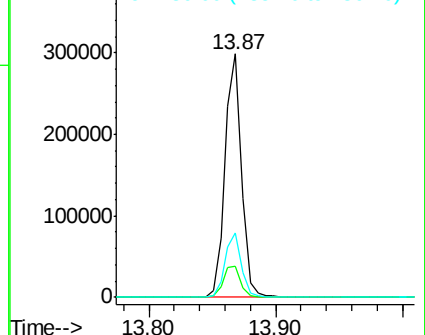
236 26.5 20.5 30.7



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: 74.772 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BF098167.D

Acq: 30 Aug 2017 20:35

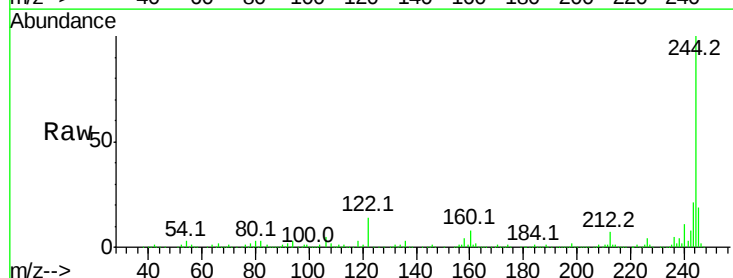
Tgt Ion:244 Resp: 973385

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

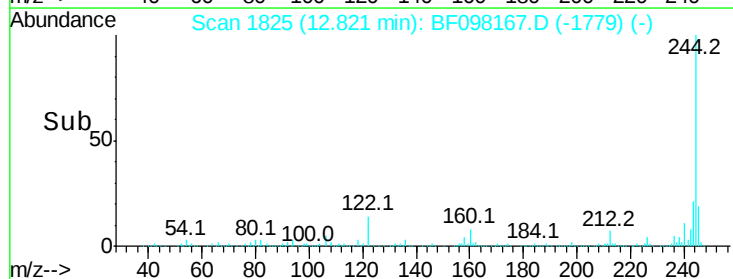
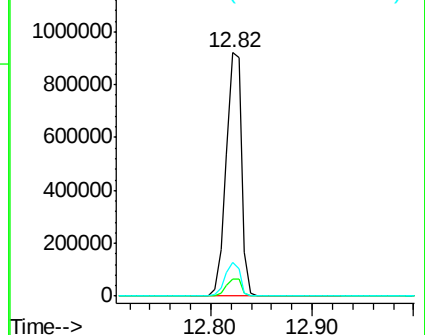
122 13.8 10.3 15.5

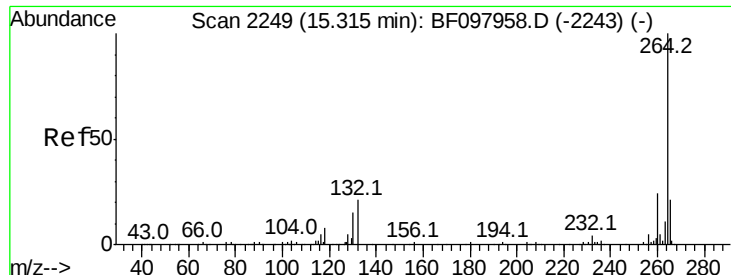


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

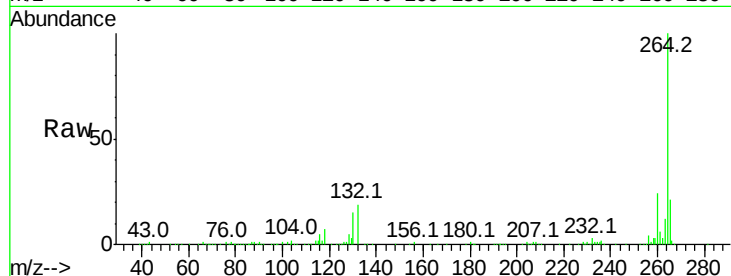




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. -0.03 min
 Lab File: BF098167.D
 Acq: 30 Aug 2017 20:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 255219
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.5 29.3
 265 21.1 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

