

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098141.D
 Acq On : 30 Aug 2017 6:38
 Operator : SJ/JU
 Sample : I4988-09
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 30 07:49:35 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

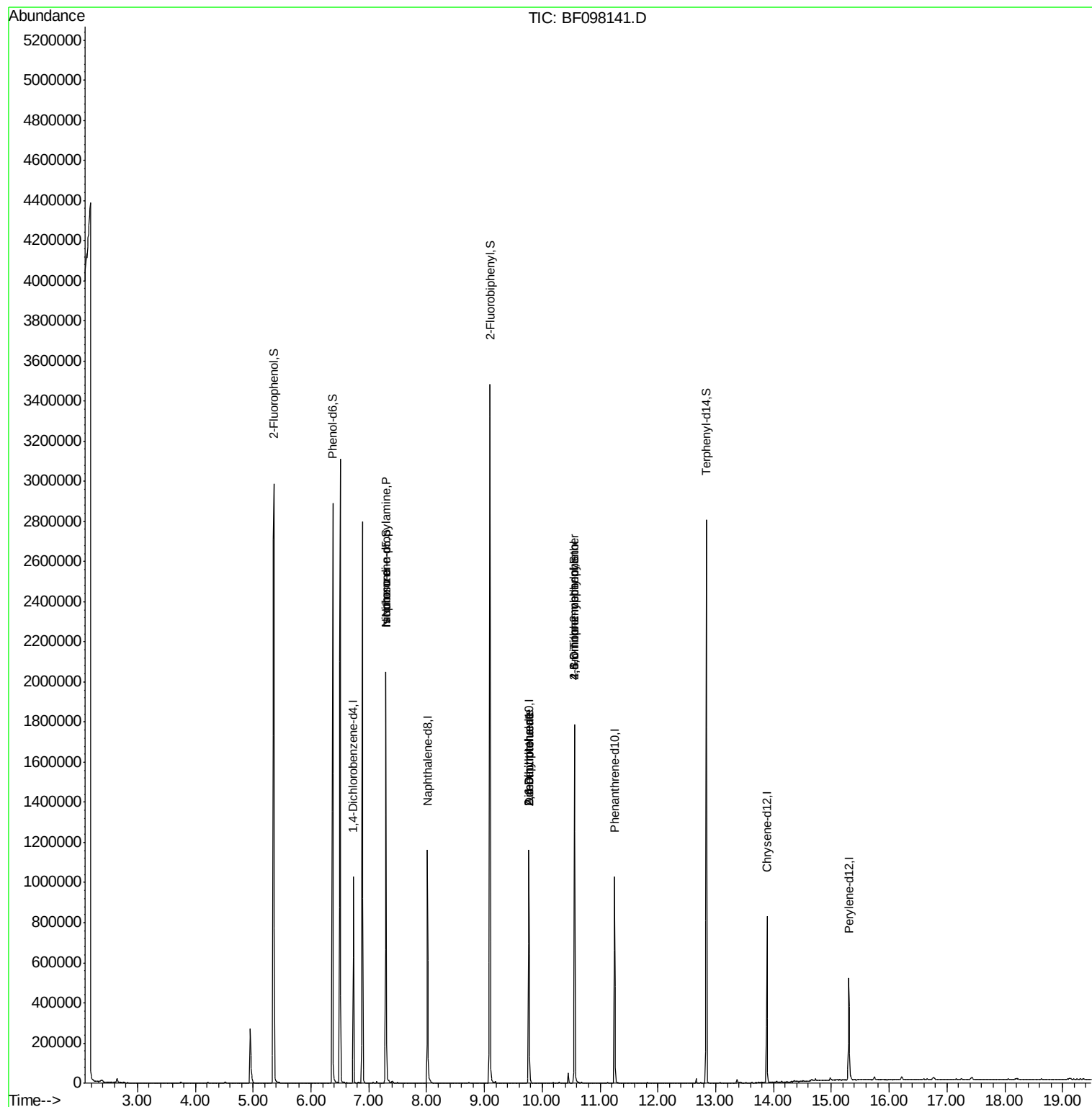
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	131245	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	515104	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	212535	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	344732	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	280515	20.00	ng	-0.01
86) Perylene-d12	15.30	264	223496	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	956585	110.86	ng	0.00
7) Phenol-d6	6.37	99	1202362	102.56	ng	-0.01
23) Nitrobenzene-d5	7.30	82	857816	90.47	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	212617	115.30	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	1219277	84.29	ng	-0.01
78) Terphenyl-d14	12.84	244	875353	65.07	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	112916	14.070	ng	# 72
25) Isophorone	7.30	82	846977	42.958	ng	# 67
49) Dimethylphthalate	9.77	163	54372	3.500	ng	# 1
50) 2,6-Dinitrotoluene	9.77	165	27026	8.715	ng	# 34
56) 2,4-Dinitrotoluene	9.77	165	27026	6.944	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	495	8.573	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	13761	3.844	ng	# 1

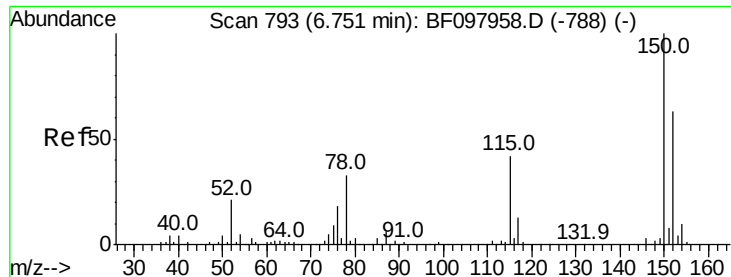
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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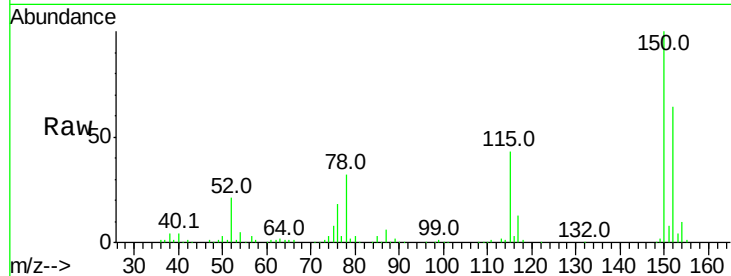


#1

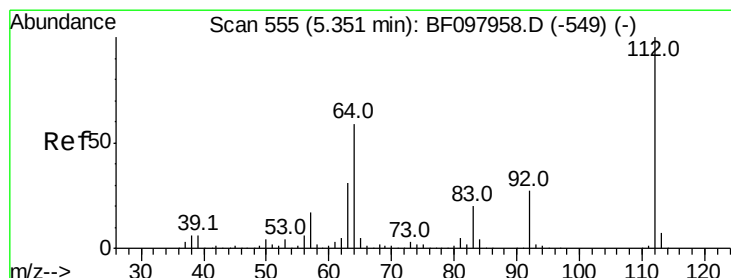
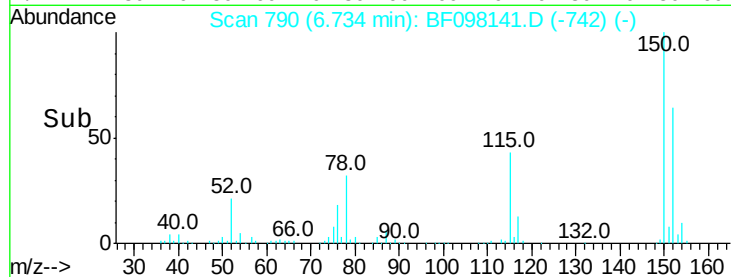
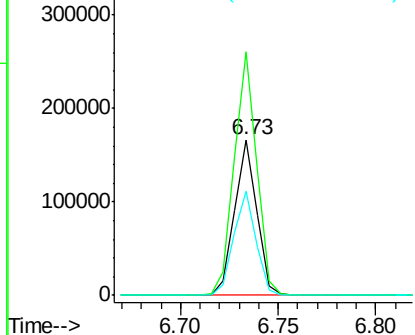
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF098141.D
Acq: 30 Aug 2017 6:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.2	189.2
115	66.8	52.2	78.2



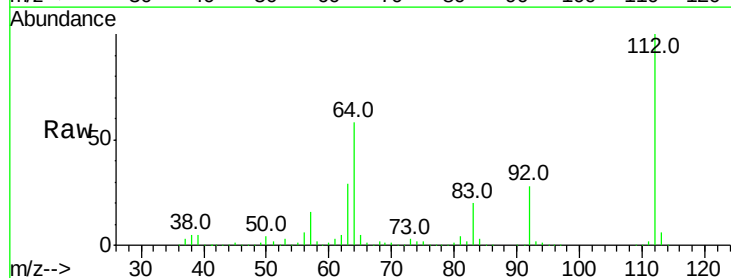
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



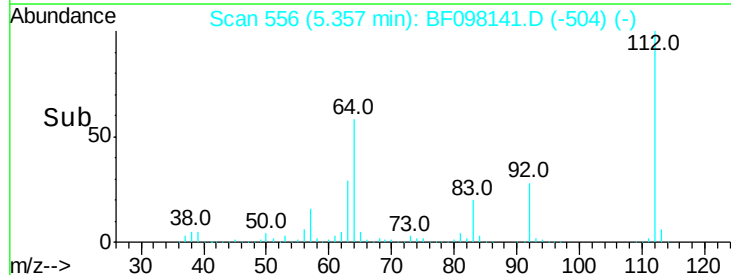
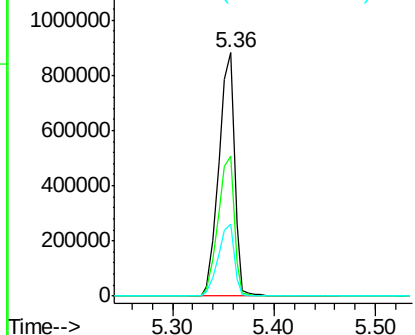
#5

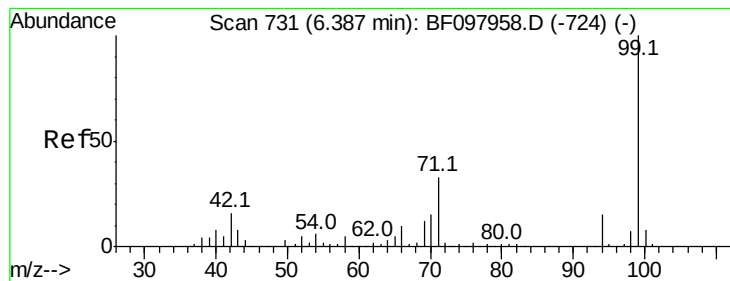
2-Fluorophenol
Concen: 110.864 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF098141.D
Acq: 30 Aug 2017 6:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	46.0	69.0
63	29.5	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: 102.559 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098141.D

Acq: 30 Aug 2017 6:38

Instrument :

BNA_F

ClientSampleId :

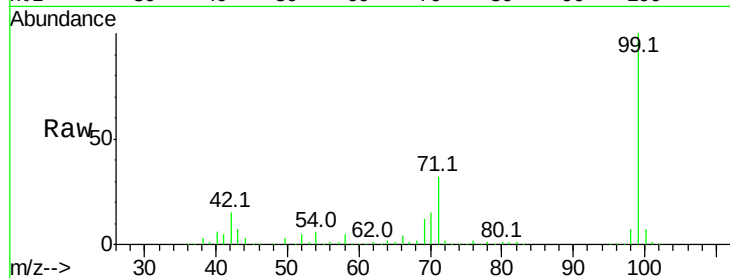
Tot Ion: 99 Resp: 1202362

Ion Ratio Lower Upper

99 100

42 14.7 13.5 20.3

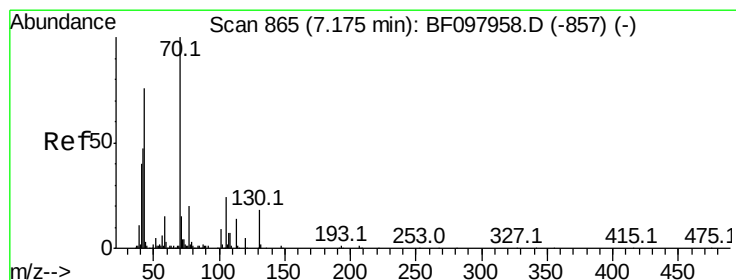
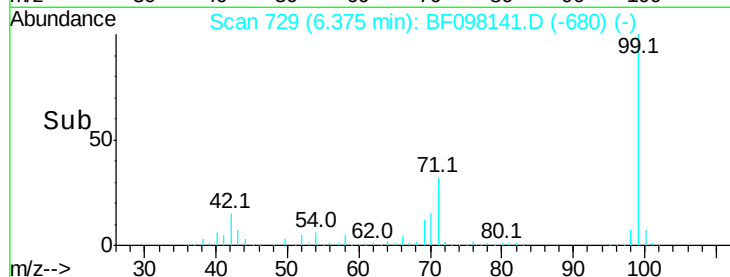
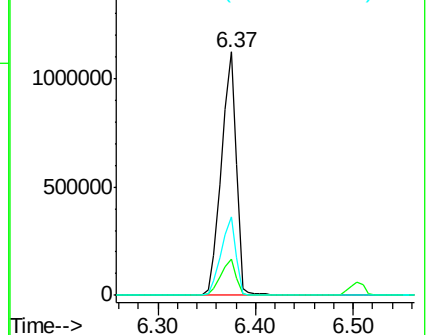
71 32.0 24.5 36.7



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: 14.070 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.12 min

Lab File: BF098141.D

Acq: 30 Aug 2017 6:38

Tgt Ion: 70 Resp: 112916

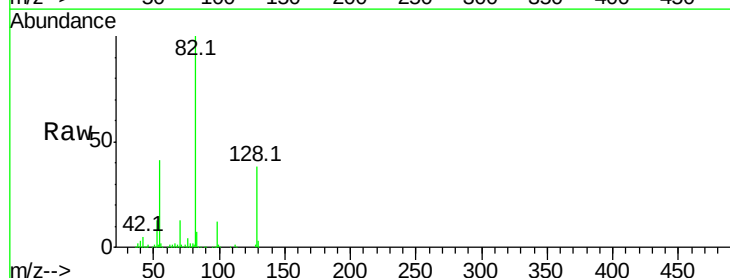
Ion Ratio Lower Upper

70 100

42 41.0 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

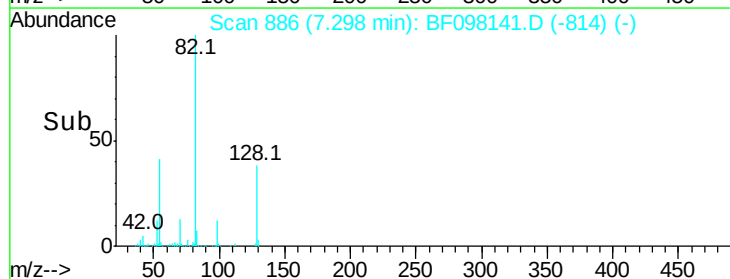
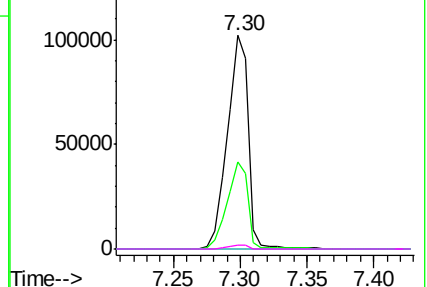


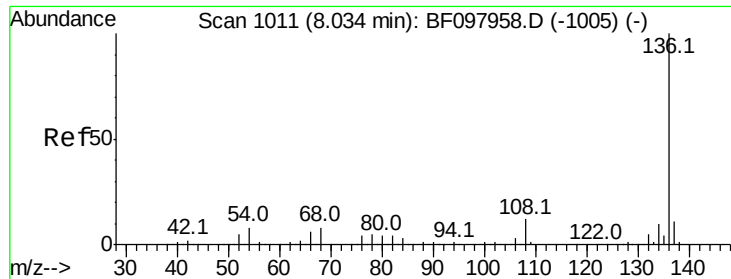
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

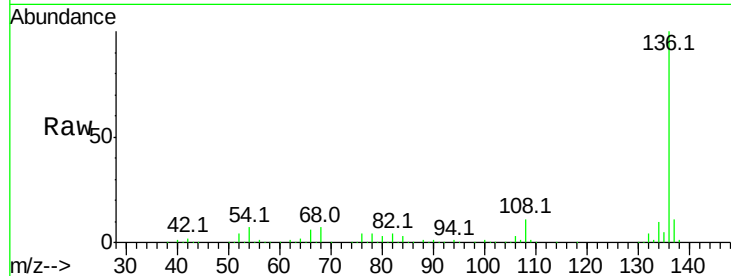




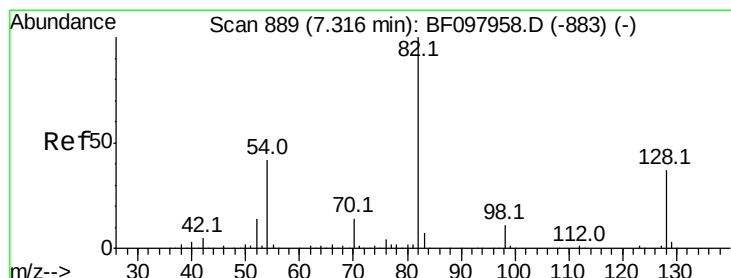
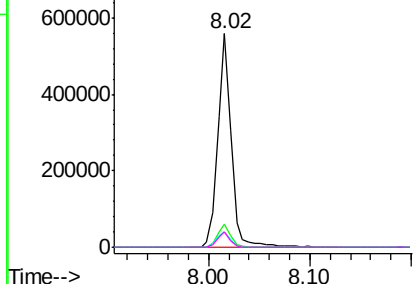
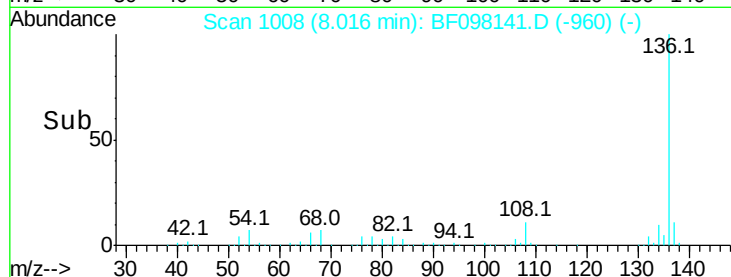
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF098141.D
Acq: 30 Aug 2017 6:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	515104
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	7.4	4.9	7.3#
68	7.1	4.1	6.1#

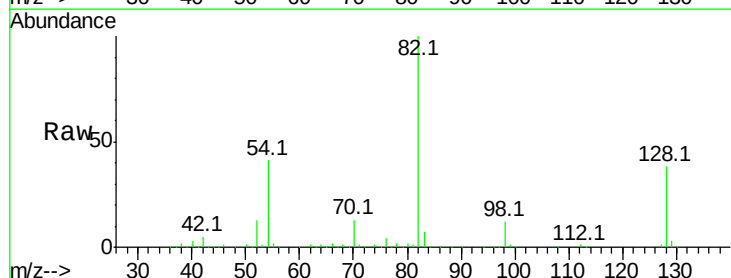


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

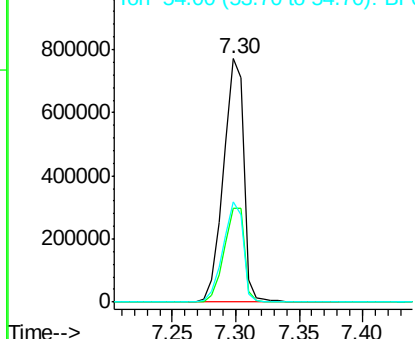
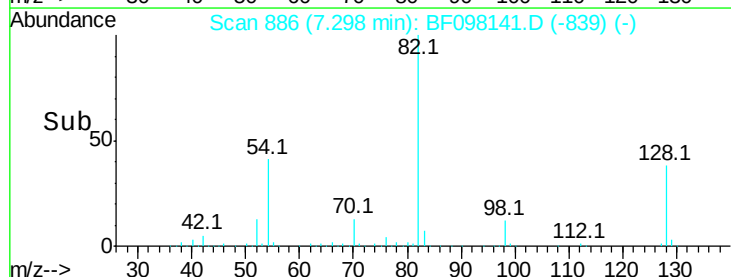


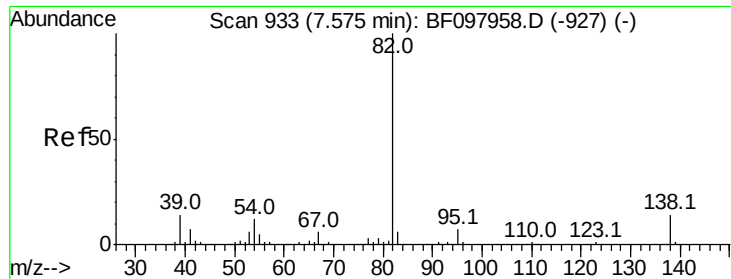
#23
Nitrobenzene-d5
Concen: 90.468 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF098141.D
Acq: 30 Aug 2017 6:38

Tgt Ion:	82	Resp:	857816
Ion	Ratio	Lower	Upper
82	100		
128	38.5	34.0	51.0
54	41.2	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: 42.958 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.28 min

Lab File: BF098141.D

Acq: 30 Aug 2017 6:38

Instrument :

BNA_F

ClientSampleId :

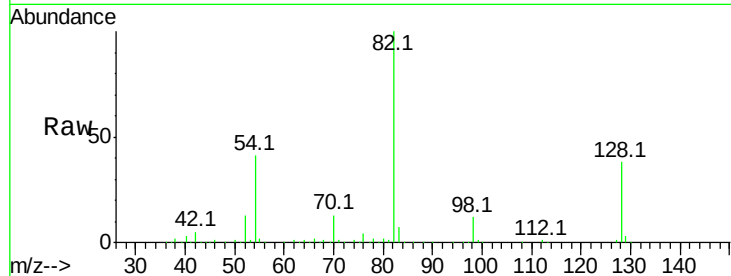
Tot Ion: 82 Resp: 846977

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

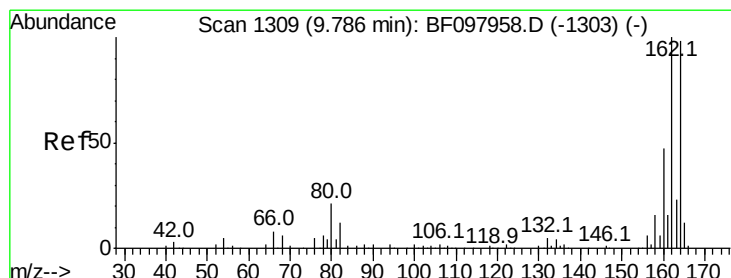
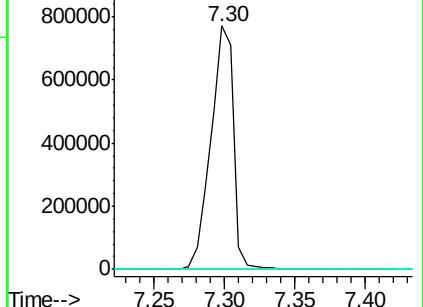
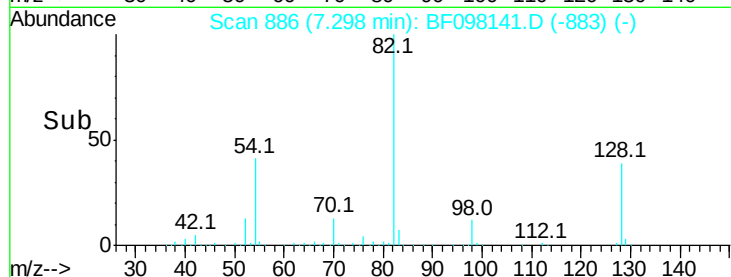
138 0.0 13.1 19.7#



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: 9.77 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF098141.D

Acq: 30 Aug 2017 6:38

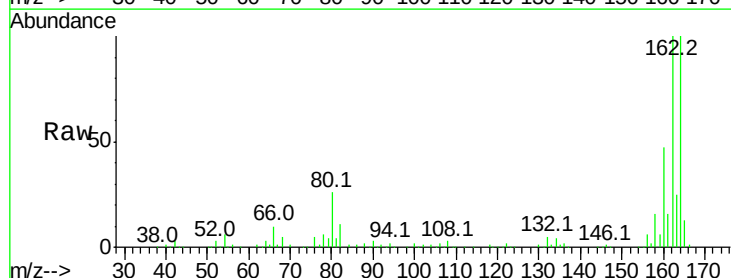
Tgt Ion: 164 Resp: 212535

Ion Ratio Lower Upper

164 100

162 100.1 82.6 123.8

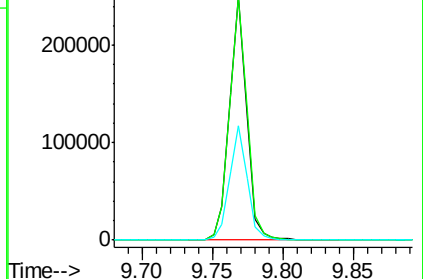
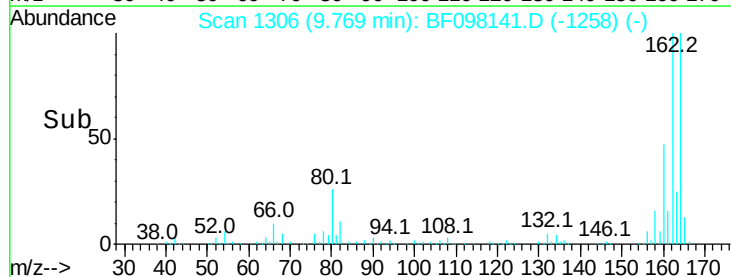
160 47.2 36.2 54.2

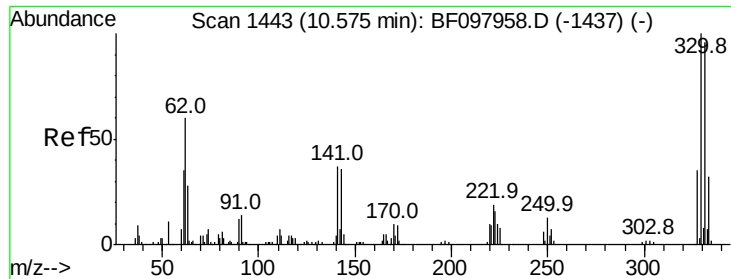


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

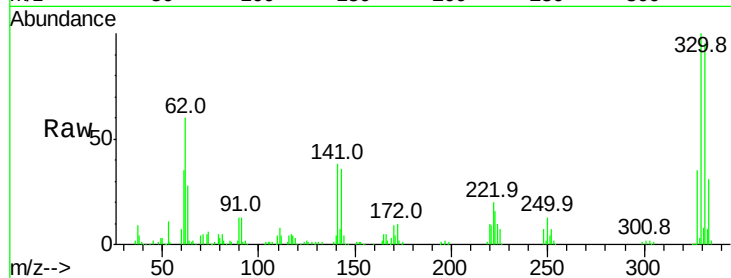




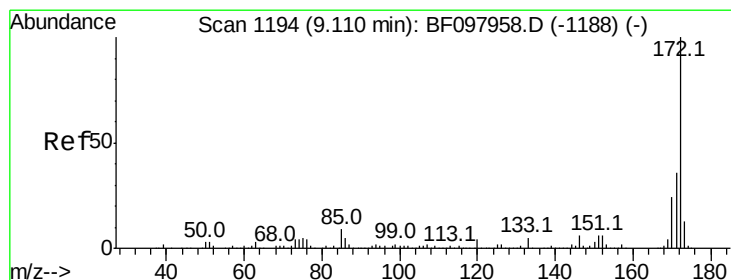
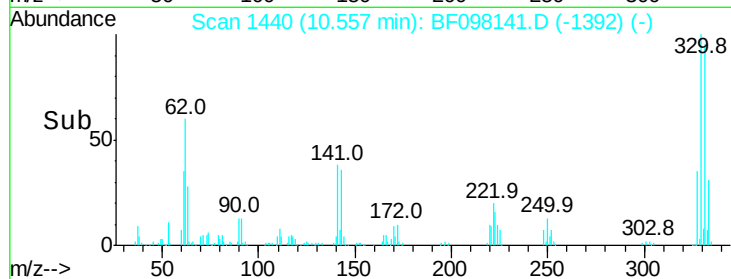
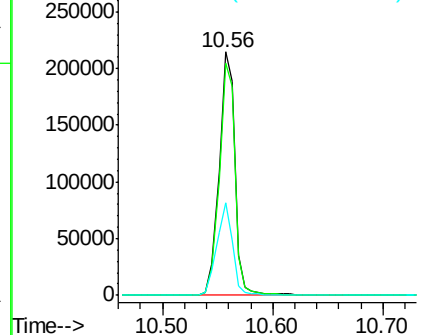
#41
 2,4,6-Tribromophenol
 Concen: 115.297 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098141.D
 Acq: 30 Aug 2017 6:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	115.0
141	37.8	31.4	47.2

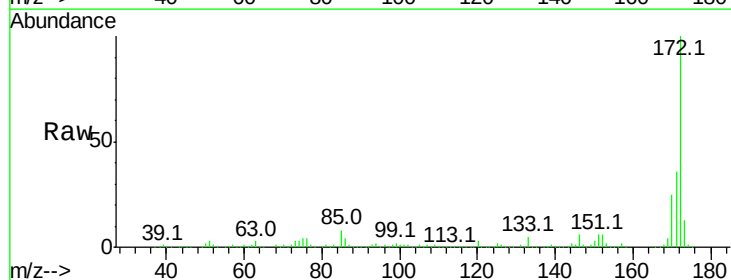


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

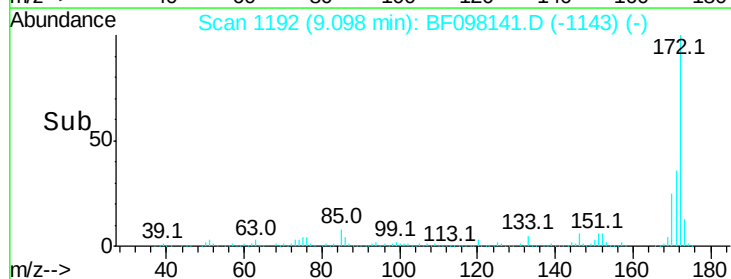
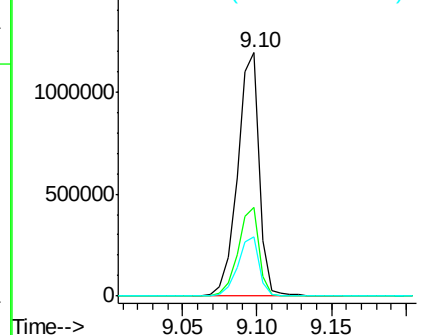


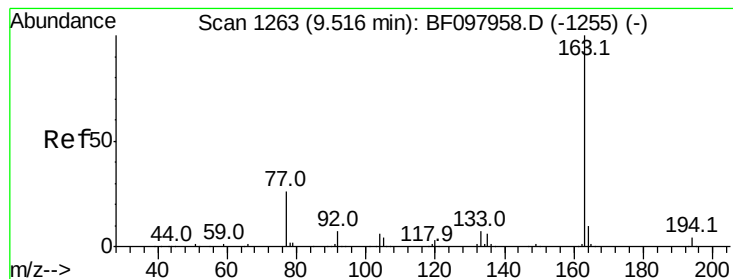
#44
 2-Fluorobiphenyl
 Concen: 84.286 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF098141.D
 Acq: 30 Aug 2017 6:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.6	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: 3.500 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.25 min

Lab File: BF098141.D

Acq: 30 Aug 2017 6:38

Instrument :

BNA_F

ClientSampleId :

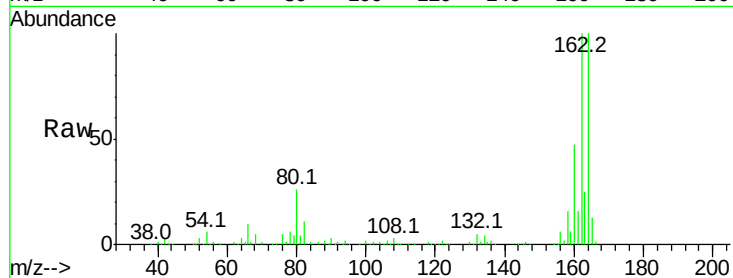
Tot Ion:163 Resp: 54372

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

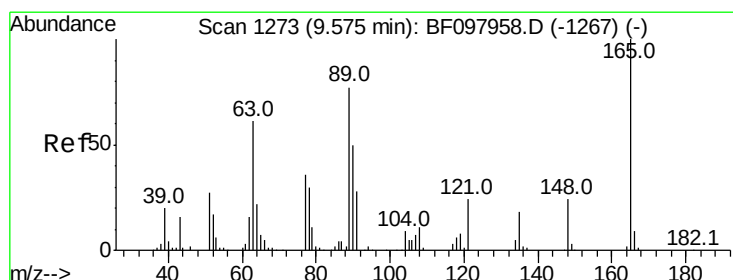
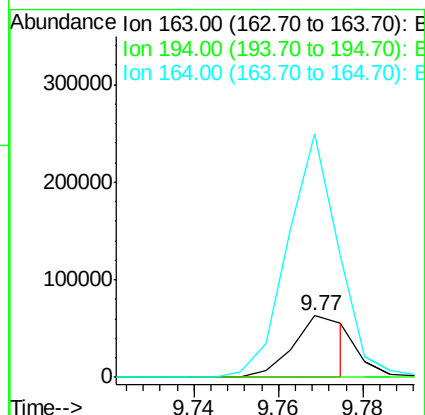
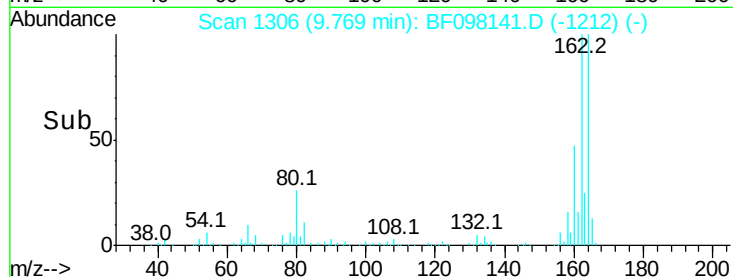
164 394.5 8.4 12.6#



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: 8.715 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.19 min

Lab File: BF098141.D

Acq: 30 Aug 2017 6:38

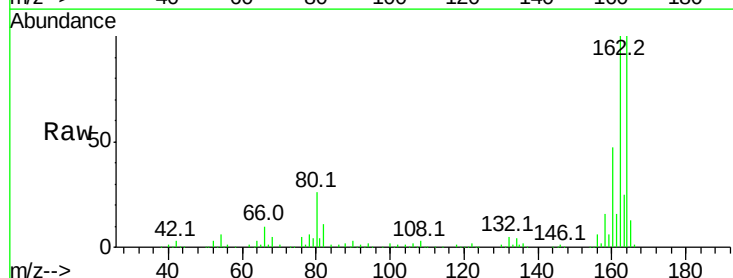
Tgt Ion:165 Resp: 27026

Ion Ratio Lower Upper

165 100

63 1.1 34.3 51.5#

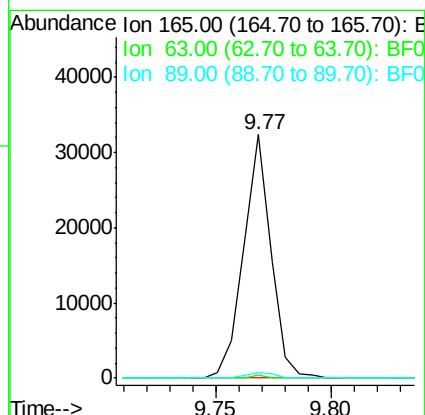
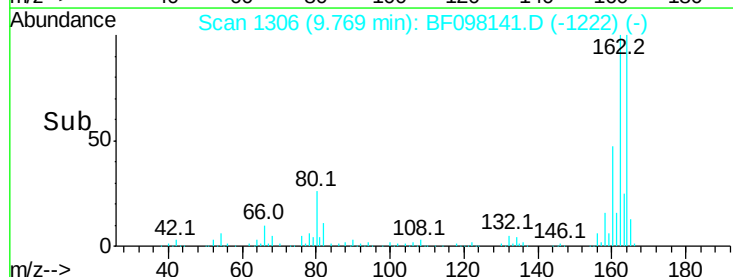
89 2.0 37.1 55.7#

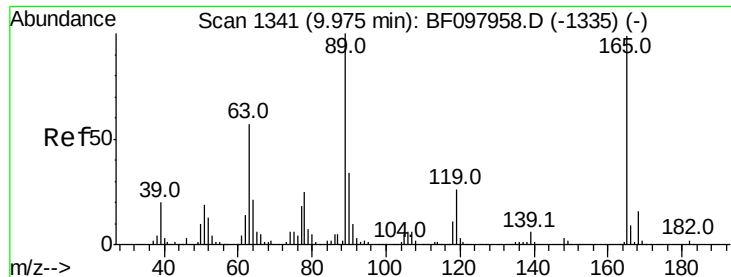


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.944 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.21 min

Lab File: BF098141.D

Acq: 30 Aug 2017 6:38

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 27026

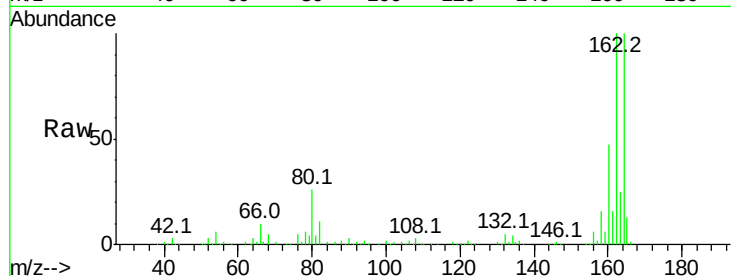
Ion Ratio Lower Upper

165 100

63 1.1 25.4 38.0#

89 2.0 46.4 69.6#

182 0.0 1.8 2.6#

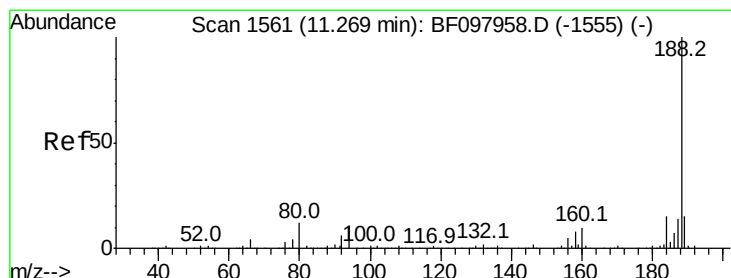
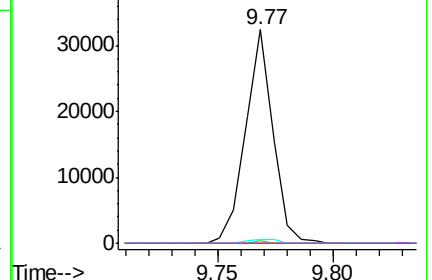
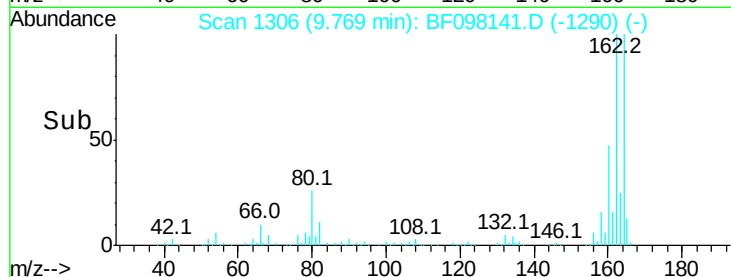


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF098141.D

Acq: 30 Aug 2017 6:38

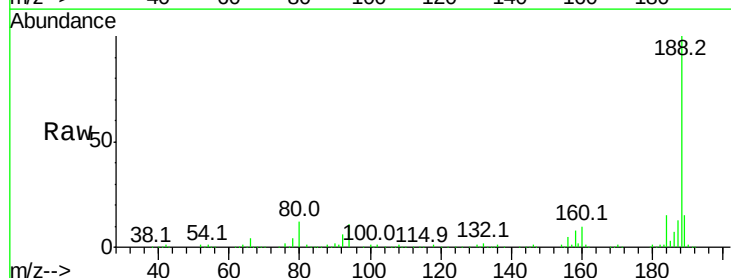
Tgt Ion:188 Resp: 344732

Ion Ratio Lower Upper

188 100

94 11.4 9.4 14.2

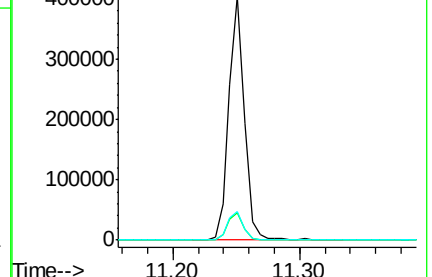
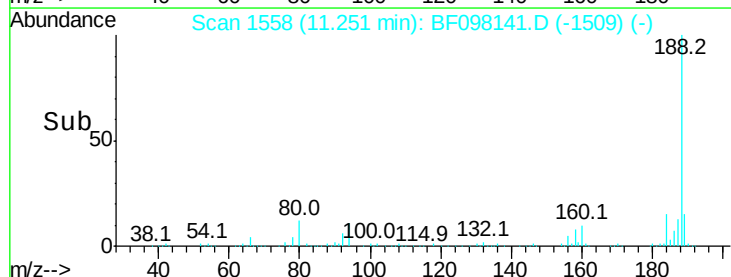
80 11.8 10.2 15.2

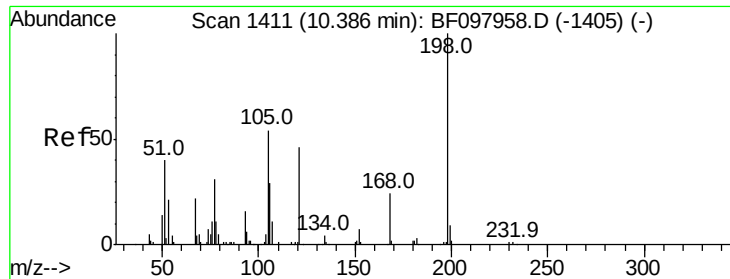


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.573 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.18 min

Lab File: BF098141.D

Acq: 30 Aug 2017 6:38

Instrument :

BNA_F

ClientSampled :

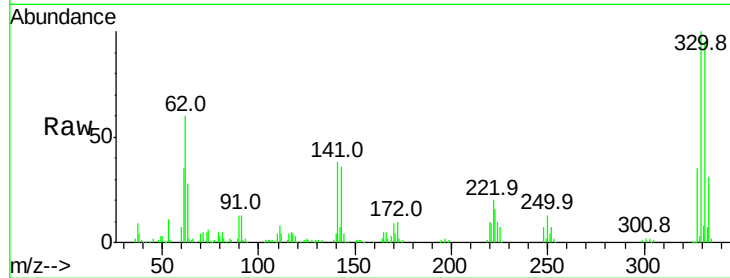
Tot Ion:198 Resp: 495

Ion Ratio Lower Upper

198 100

51 117.7 53.2 93.2#

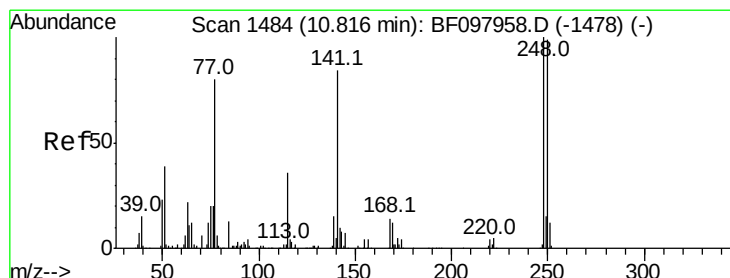
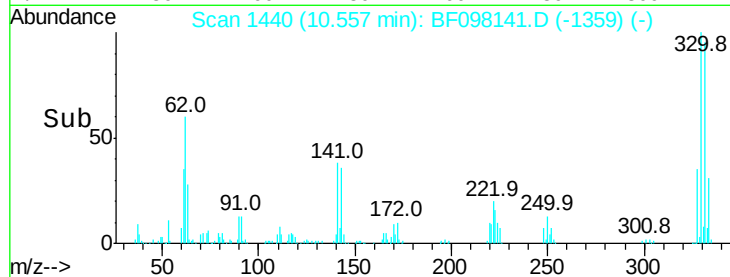
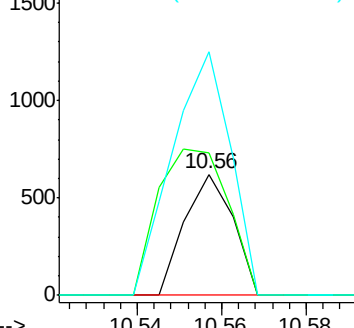
105 201.0 45.8 85.8#



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: 3.844 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.26 min

Lab File: BF098141.D

Acq: 30 Aug 2017 6:38

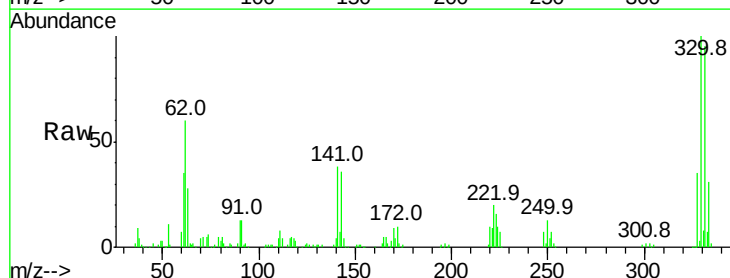
Tgt Ion:248 Resp: 13761

Ion Ratio Lower Upper

248 100

250 197.6 76.8 115.2#

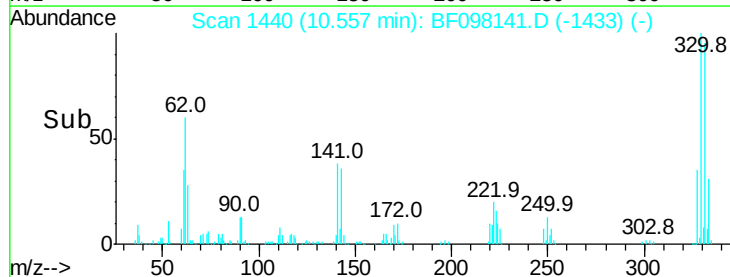
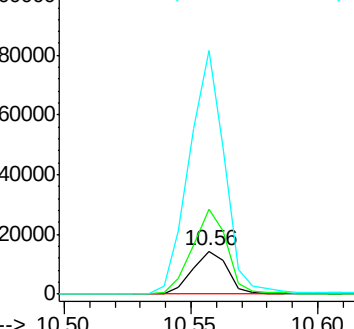
141 570.2 68.6 103.0#

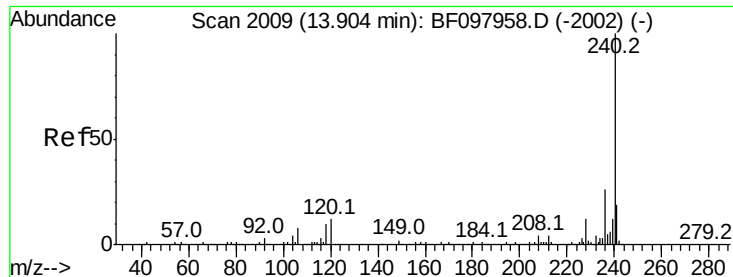


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF098141.D

Acq: 30 Aug 2017 6:38

Instrument :

BNA_F

ClientSampleId :

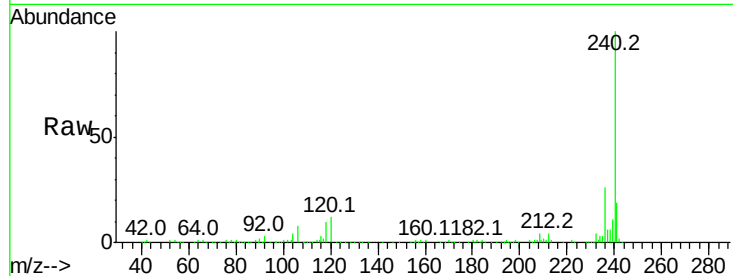
Tot Ion:240 Resp: 280515

Ion Ratio Lower Upper

240 100

120 12.1 5.8 8.8#

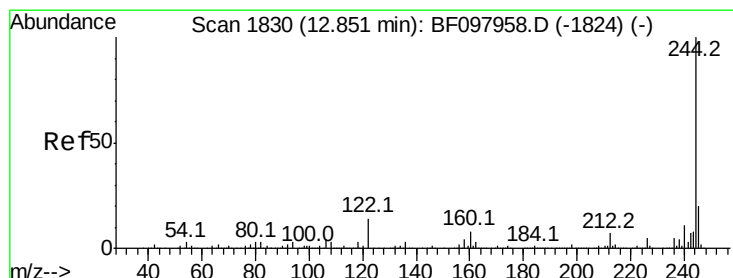
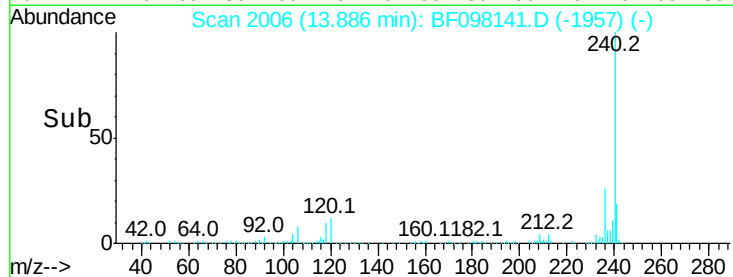
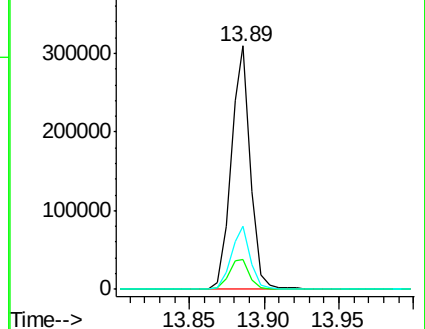
236 25.8 20.5 30.7



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: 65.073 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF098141.D

Acq: 30 Aug 2017 6:38

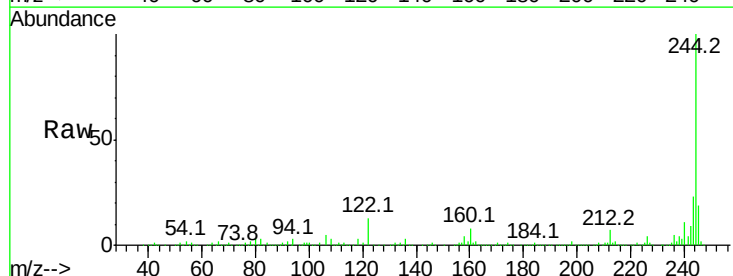
Tgt Ion:244 Resp: 875353

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

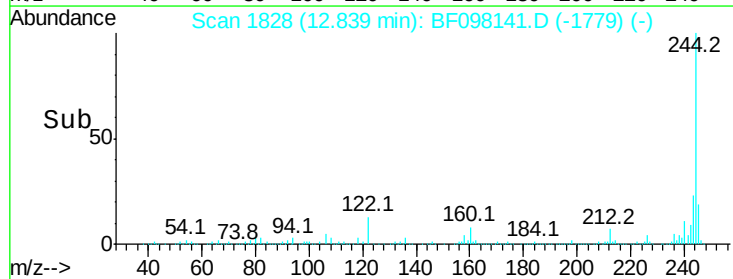
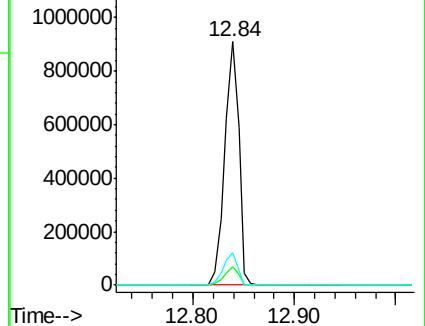
122 13.3 10.3 15.5

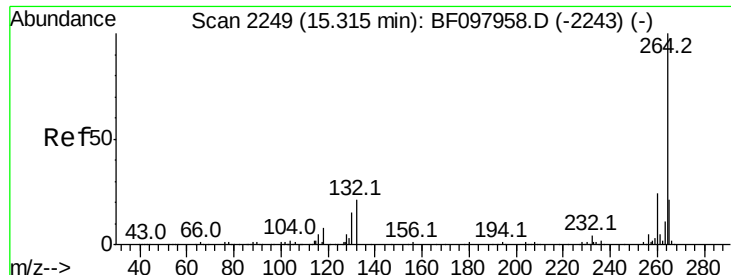


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

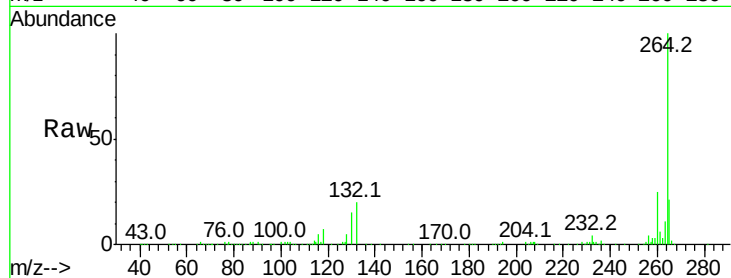




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. -0.01 min
 Lab File: BF098141.D
 Acq: 30 Aug 2017 6:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	20.7	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

