

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098139.D
 Acq On : 30 Aug 2017 5:43
 Operator : SJ/JU
 Sample : I4988-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 30 07:48:50 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

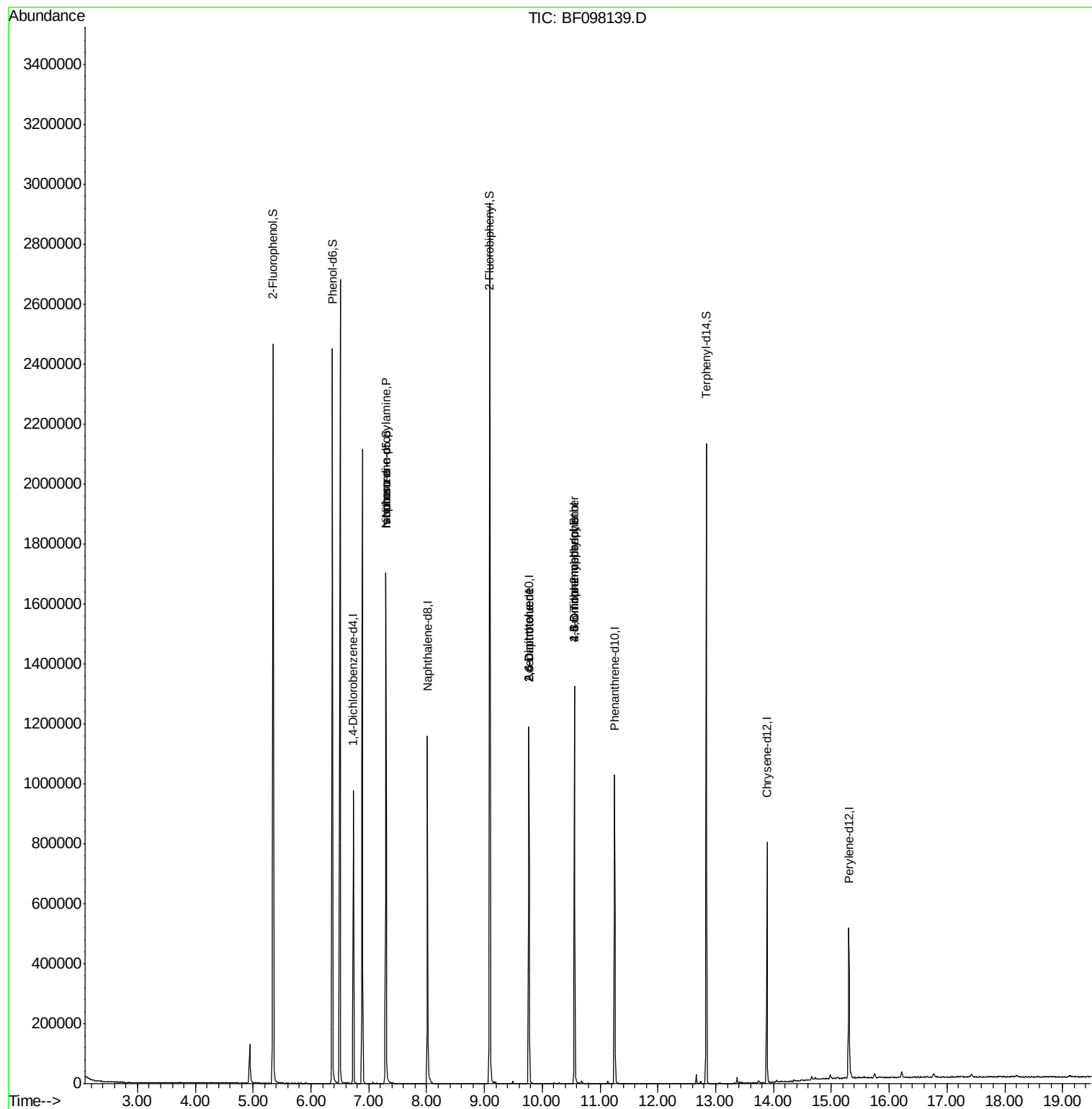
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	132935	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	516619	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	215225	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	342321	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	269109	20.00	ng	-0.01
86) Perylene-d12	15.30	264	217677	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	761095	87.09	ng	0.00
7) Phenol-d6	6.37	99	1028983	86.65	ng	-0.02
23) Nitrobenzene-d5	7.30	82	628027	66.04	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	146058	78.21	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	954503	65.16	ng	-0.02
78) Terphenyl-d14	12.84	244	610126	47.28	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	83833	10.313	ng	# 71
25) Isophorone	7.30	82	617390	31.222	ng	# 67
50) 2,6-Dinitrotoluene	9.77	165	27276	8.686	ng	# 33
56) 2,4-Dinitrotoluene	9.77	165	27276	6.921	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	281	8.465	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	9655	2.716	ng	# 1

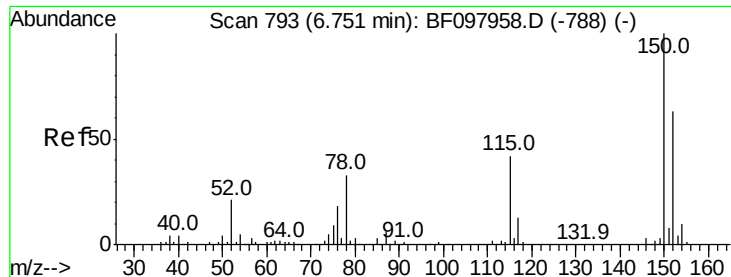
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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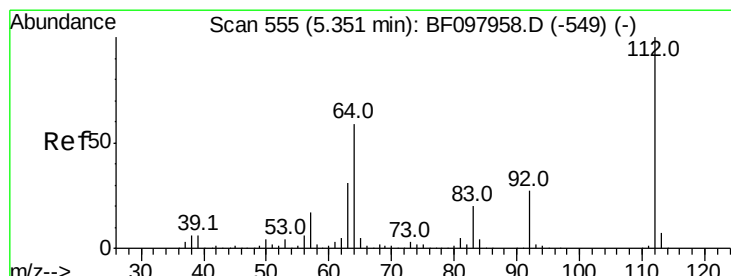
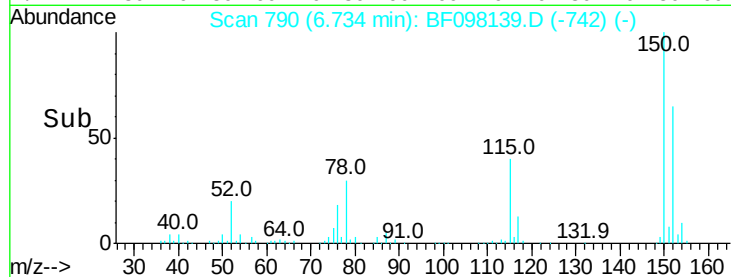
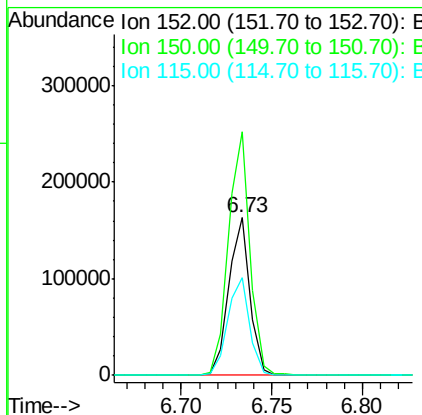
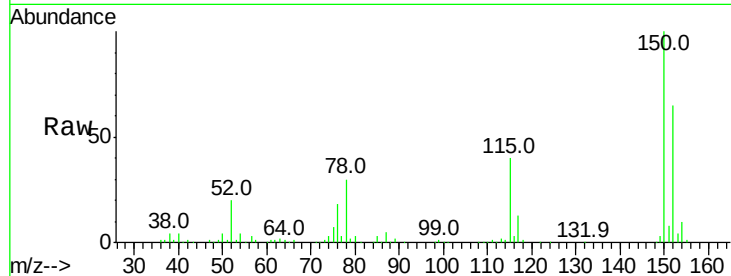


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF098139.D
Acq: 30 Aug 2017 5:43

Instrument :
BNA_F
ClientSampleId :

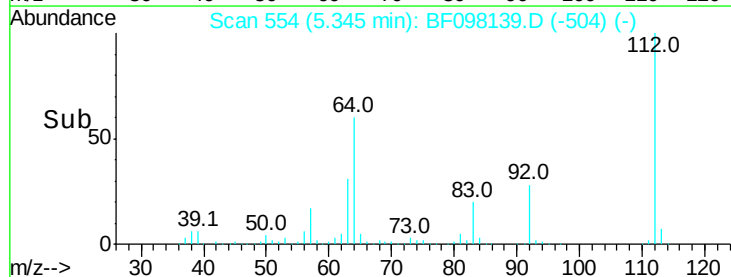
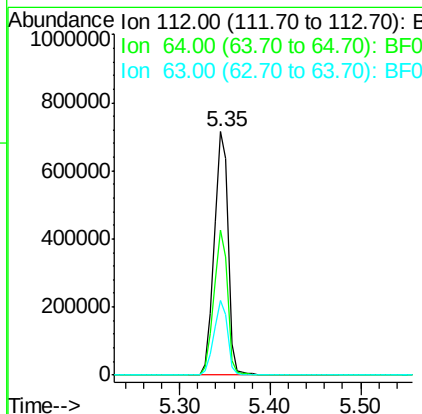
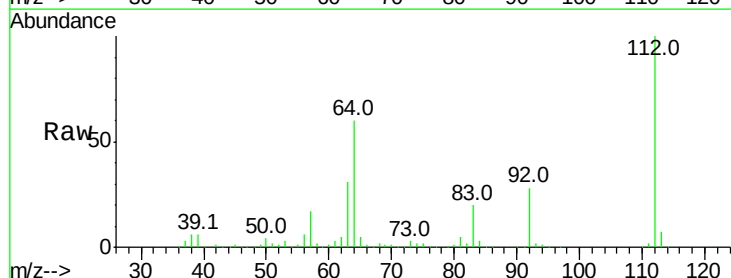
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	126.2	189.2
115	62.2	52.2	78.2

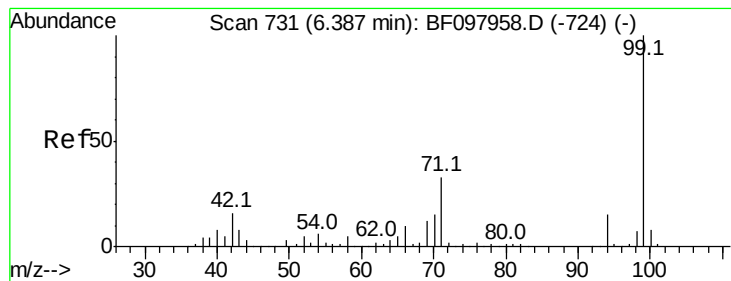


#5

2-Fluorophenol
Concen: 87.086 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF098139.D
Acq: 30 Aug 2017 5:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	46.0	69.0
63	30.5	23.4	35.0





#7

Phenol-d6

Concen: 86.655 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF098139.D

Acq: 30 Aug 2017 5:43

Instrument :

BNA_F

ClientSampleId :

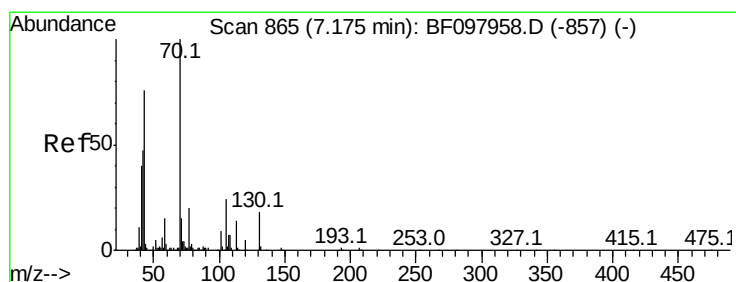
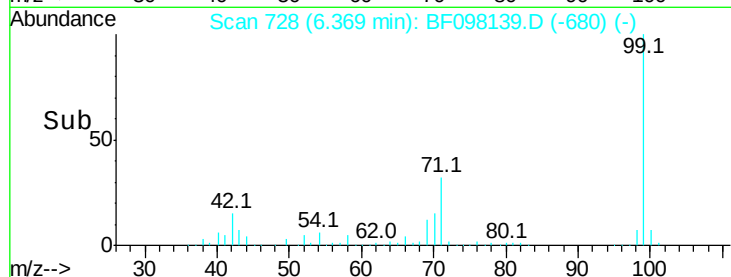
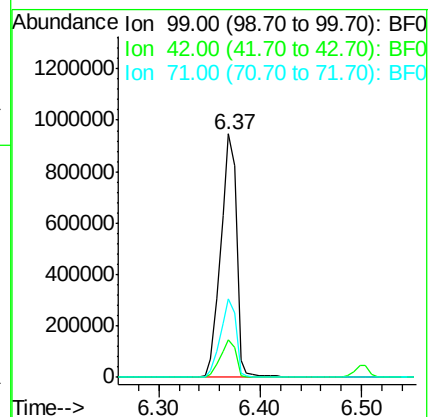
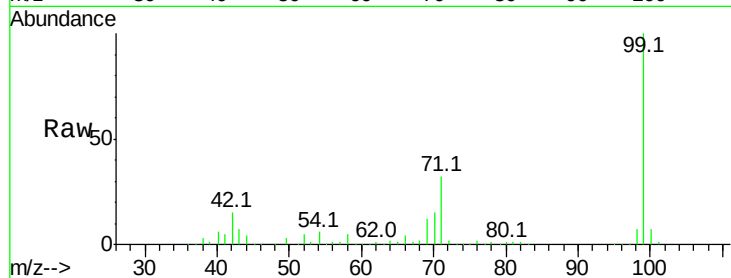
Tot Ion: 99 Resp: 1028983

Ion Ratio Lower Upper

99 100

42 15.2 13.5 20.3

71 32.5 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 10.313 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.12 min

Lab File: BF098139.D

Acq: 30 Aug 2017 5:43

Tgt Ion: 70 Resp: 83833

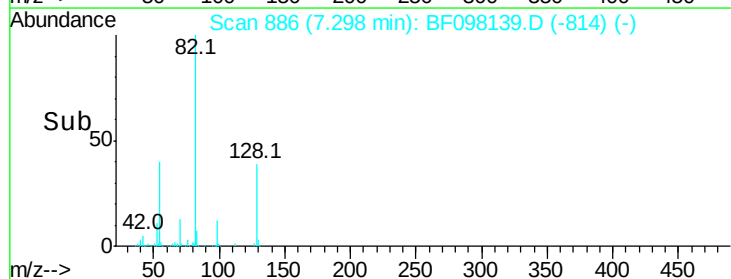
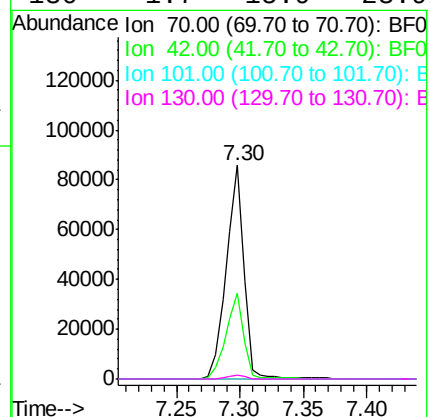
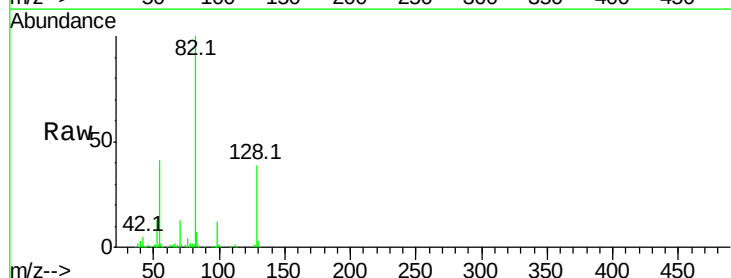
Ion Ratio Lower Upper

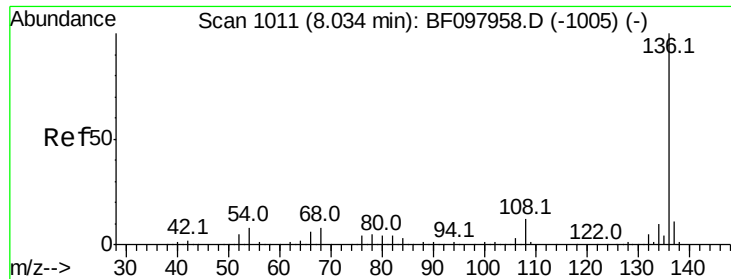
70 100

42 39.9 47.2 70.8#

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#

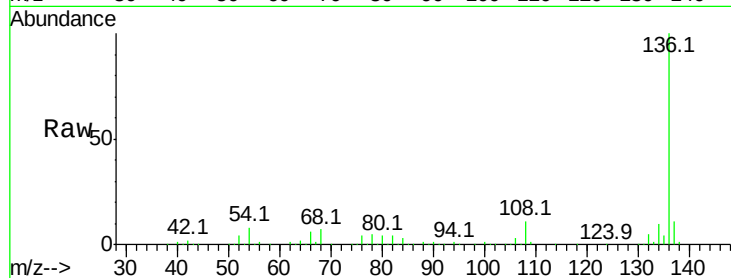




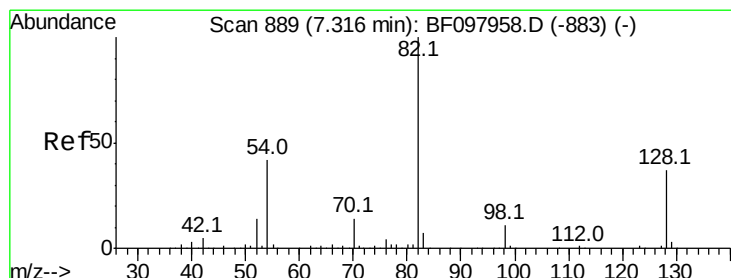
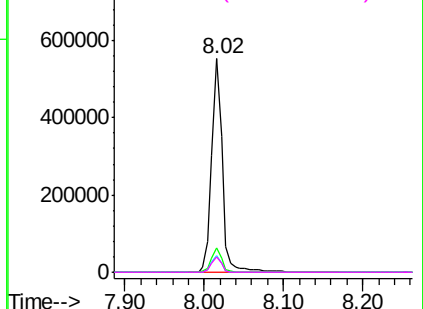
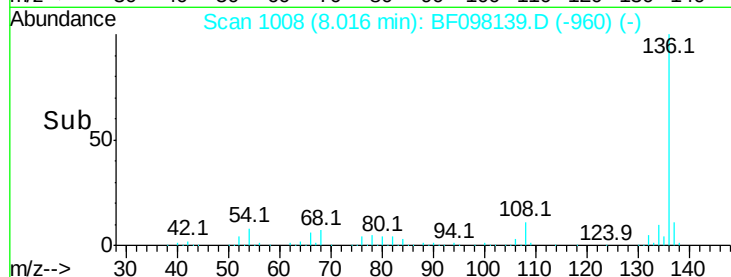
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF098139.D
Acq: 30 Aug 2017 5:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	516619
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	7.7	4.9	7.3#
68	7.5	4.1	6.1#

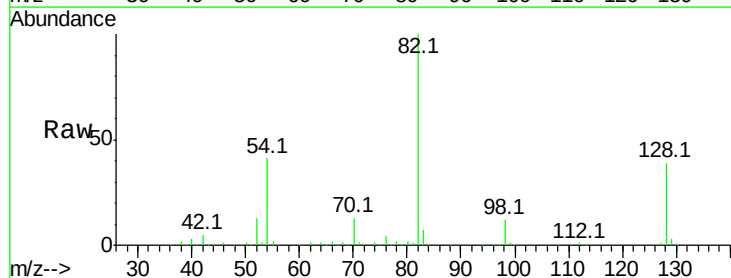


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

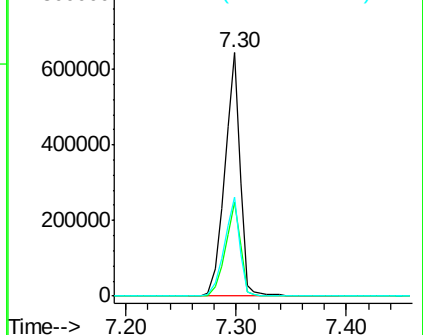
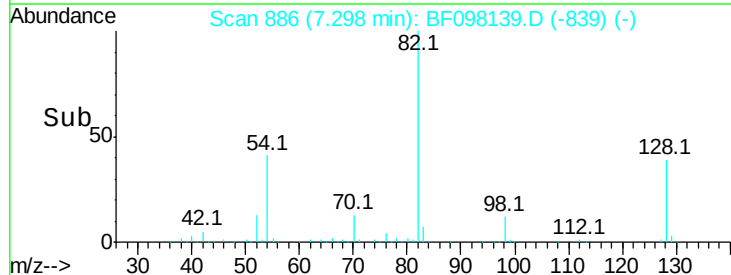


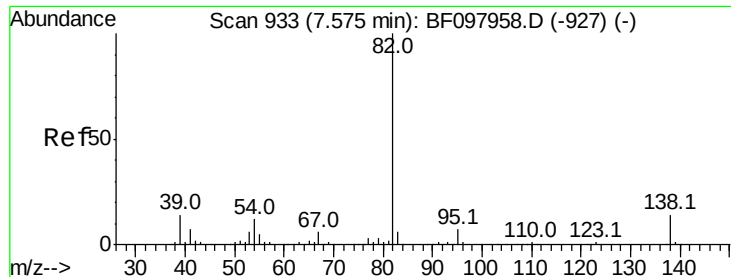
#23
Nitrobenzene-d5
Concen: 66.040 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF098139.D
Acq: 30 Aug 2017 5:43

Tgt Ion:	82	Resp:	628027
Ion	Ratio	Lower	Upper
82	100		
128	38.8	34.0	51.0
54	40.8	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: 31.222 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.28 min

Lab File: BF098139.D

Acq: 30 Aug 2017 5:43

Instrument :

BNA_F

ClientSampleId :

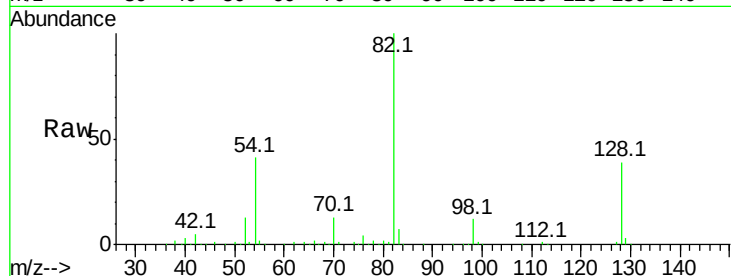
Tot Ion: 82 Resp: 617390

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

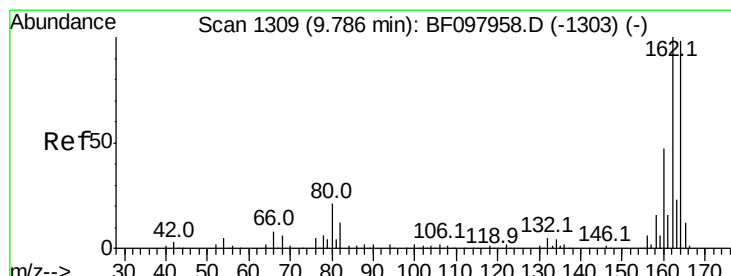
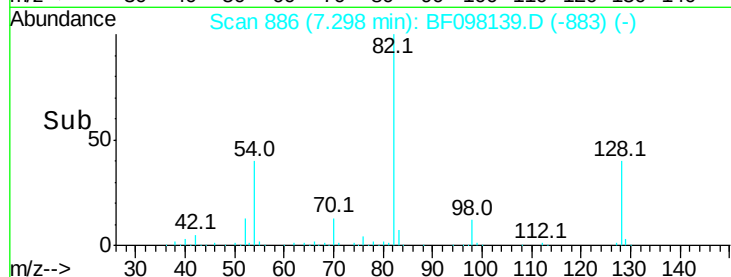
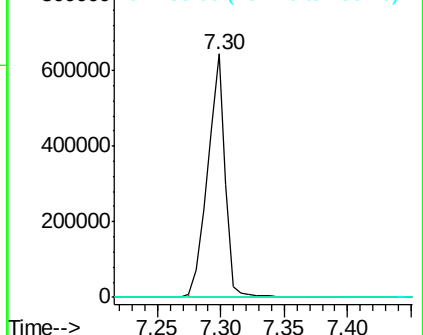
138 0.0 13.1 19.7#



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: BF098139.D

Acq: 30 Aug 2017 5:43

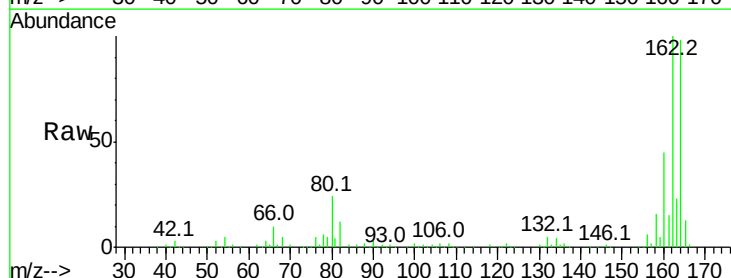
Tgt Ion: 164 Resp: 215225

Ion Ratio Lower Upper

164 100

162 102.1 82.6 123.8

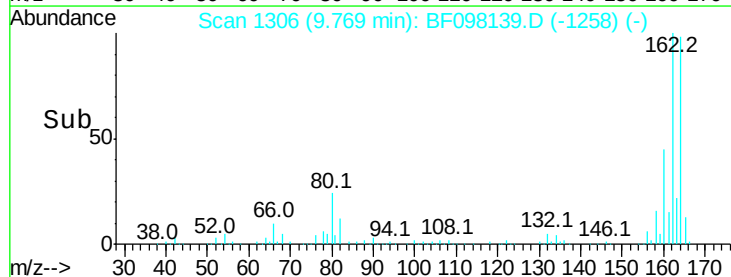
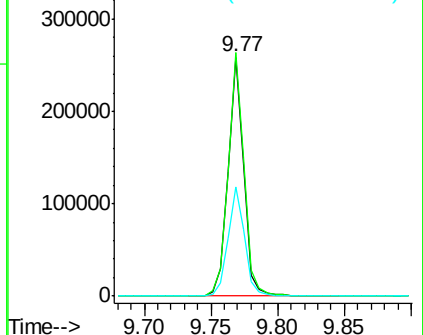
160 45.8 36.2 54.2

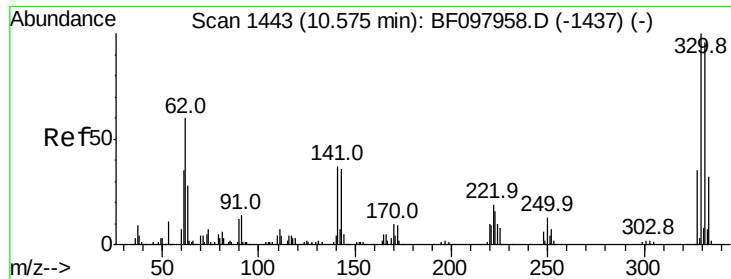


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

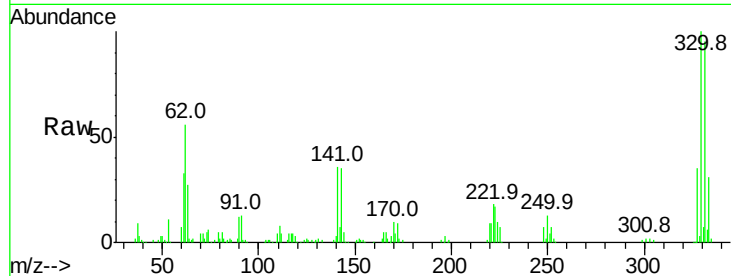




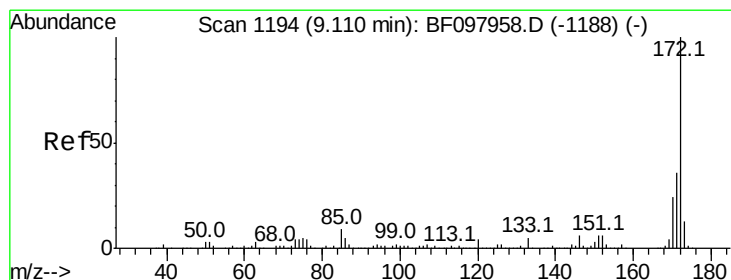
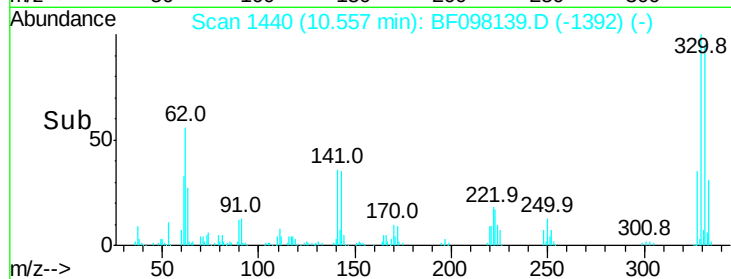
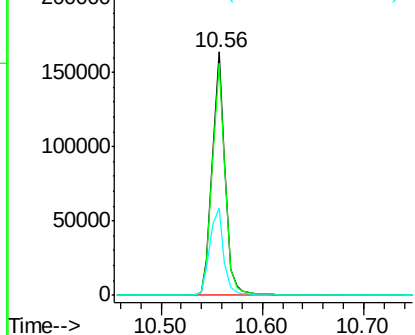
#41
 2,4,6-Tribromophenol
 Concen: 78.213 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098139.D
 Acq: 30 Aug 2017 5:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	115.0
141	38.7	31.4	47.2

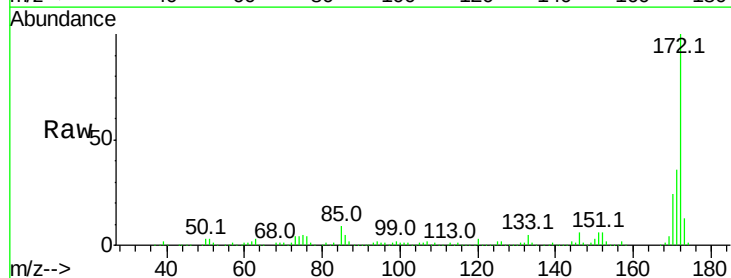


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

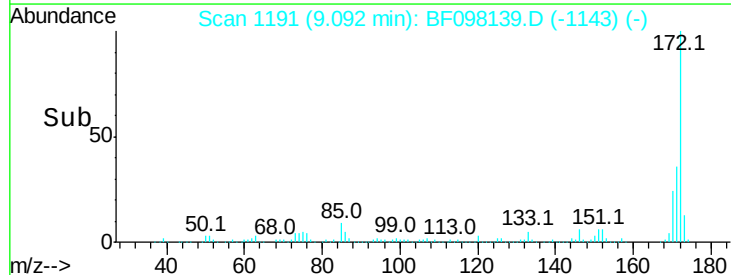
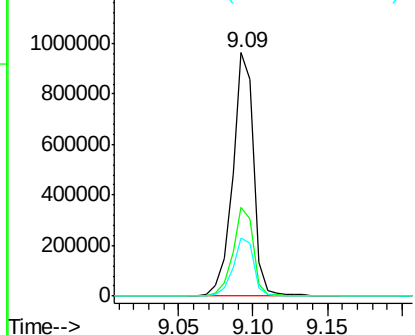


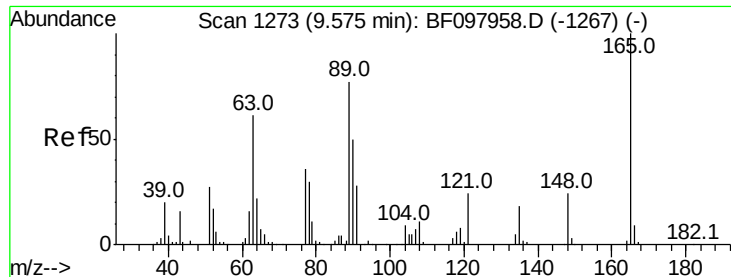
#44
 2-Fluorobiphenyl
 Concen: 65.158 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF098139.D
 Acq: 30 Aug 2017 5:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	24.0	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

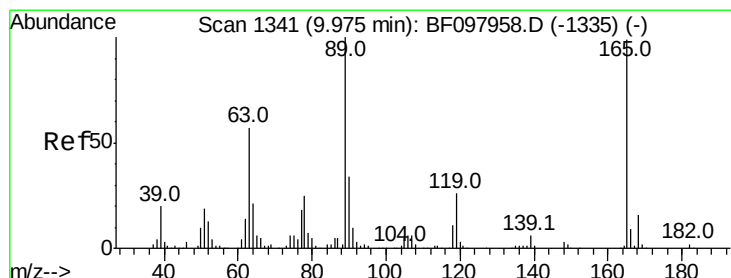
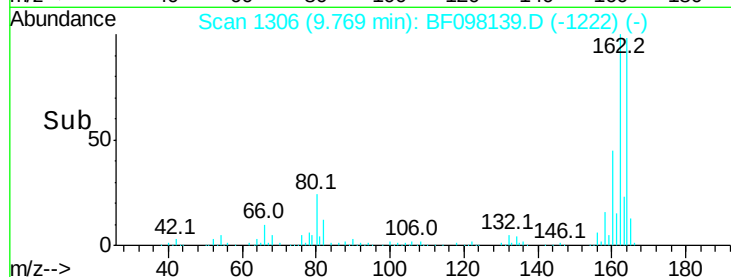
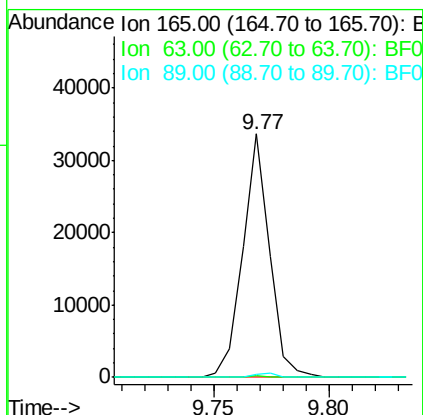
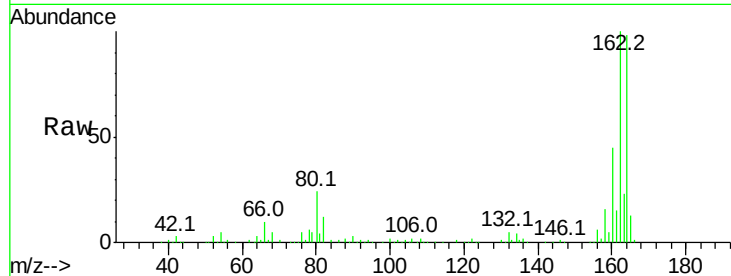




#50
 2,6-Dinitrotoluene
 Concen: 8.686 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. 0.19 min
 Lab File: BF098139.D
 Acq: 30 Aug 2017 5:43

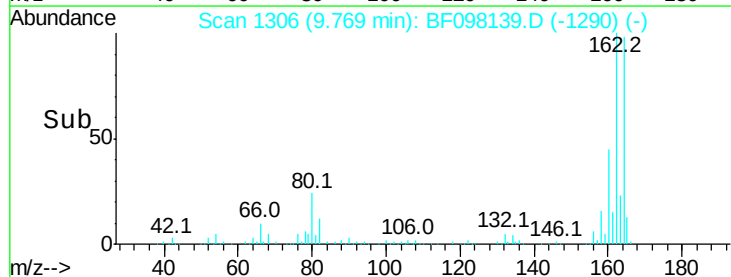
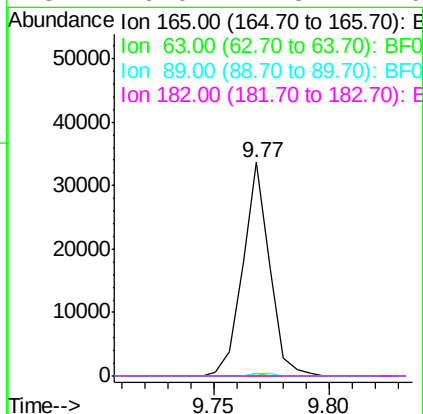
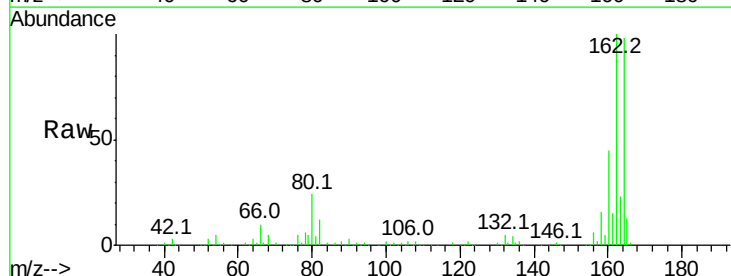
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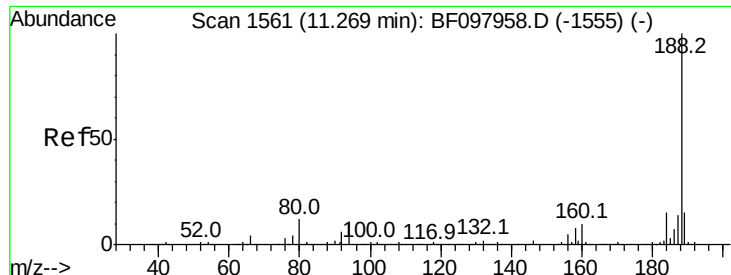
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	34.3	51.5#
89	1.5	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.921 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.21 min
 Lab File: BF098139.D
 Acq: 30 Aug 2017 5:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF098139.D

Acq: 30 Aug 2017 5:43

Instrument :

BNA_F

ClientSampled :

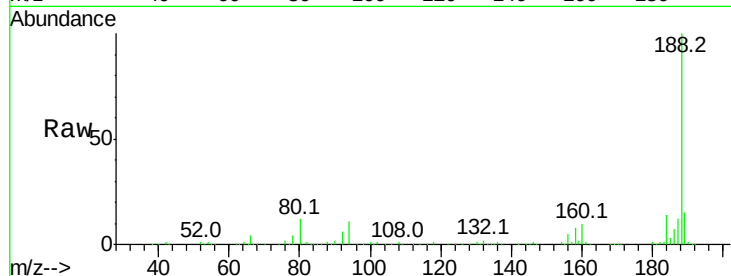
Tot Ion:188 Resp: 342321

Ion Ratio Lower Upper

188 100

94 10.9 9.4 14.2

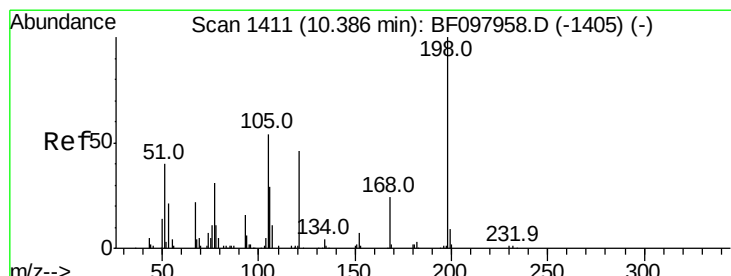
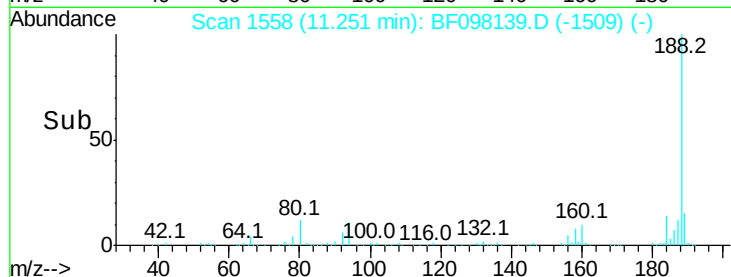
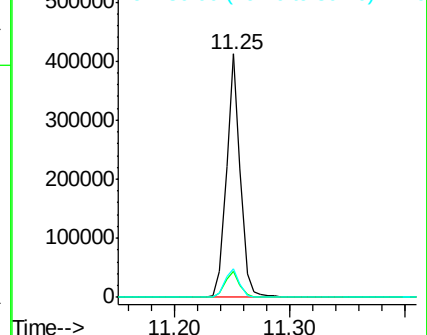
80 11.8 10.2 15.2



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: 8.465 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.18 min

Lab File: BF098139.D

Acq: 30 Aug 2017 5:43

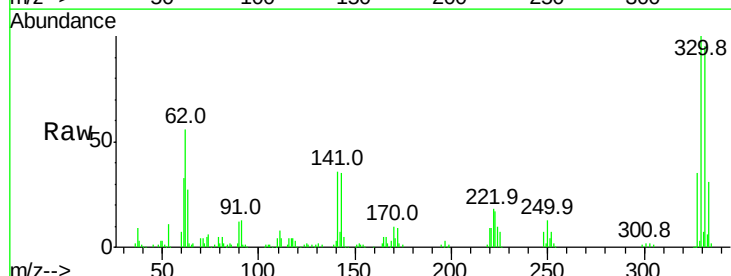
Tgt Ion:198 Resp: 281

Ion Ratio Lower Upper

198 100

51 170.5 53.2 93.2#

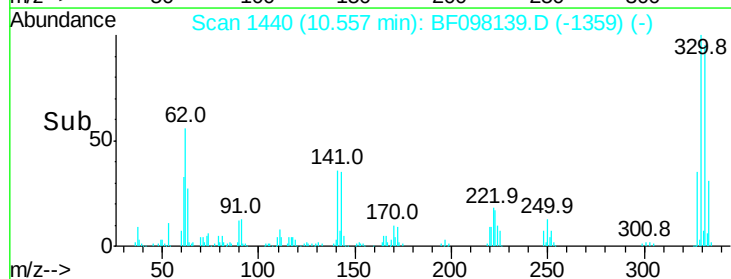
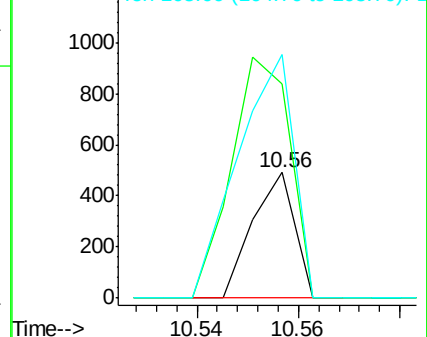
105 194.1 45.8 85.8#

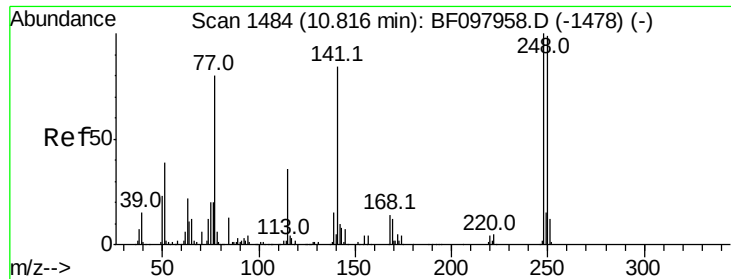


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

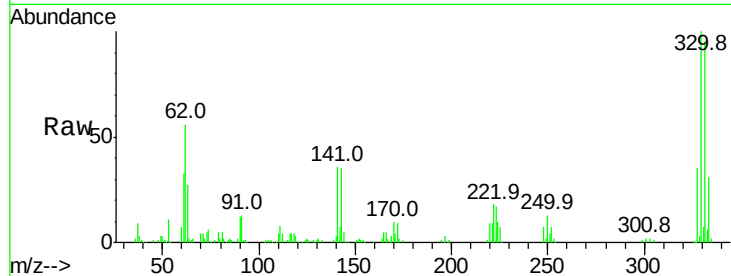




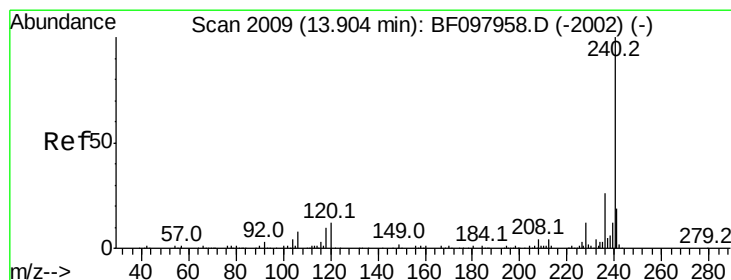
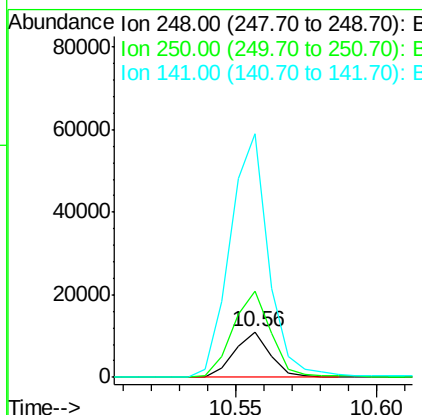
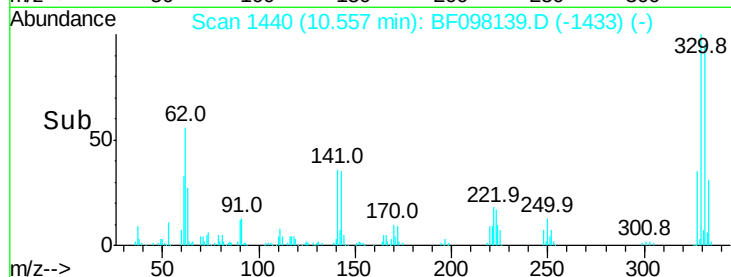
#66
 4-Bromophenyl-phenylether
 Concen: 2.716 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.26 min
 Lab File: BF098139.D
 Acq: 30 Aug 2017 5:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 9655
 Ion Ratio Lower Upper
 248 100
 250 187.9 76.8 115.2#
 141 533.3 68.6 103.0#

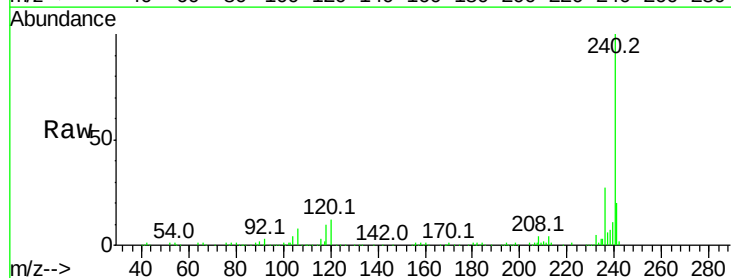


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

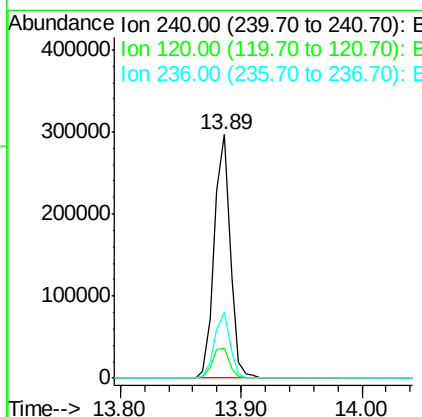
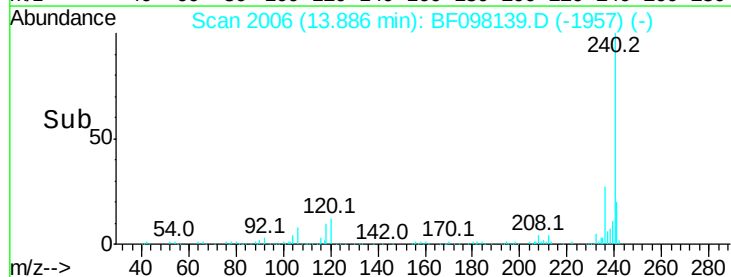


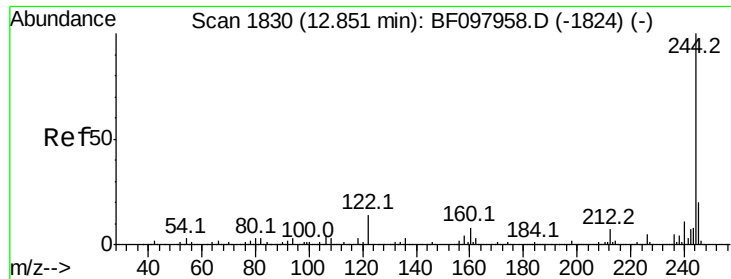
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF098139.D
 Acq: 30 Aug 2017 5:43

Tgt Ion:240 Resp: 269109
 Ion Ratio Lower Upper
 240 100
 120 12.2 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

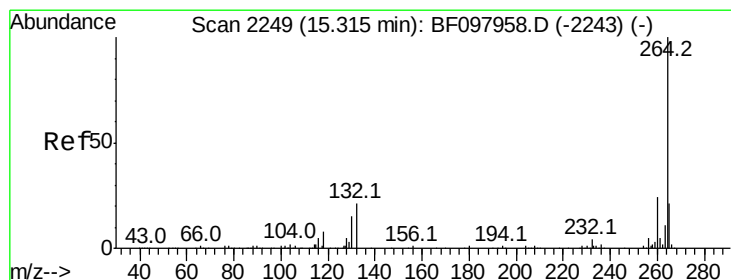
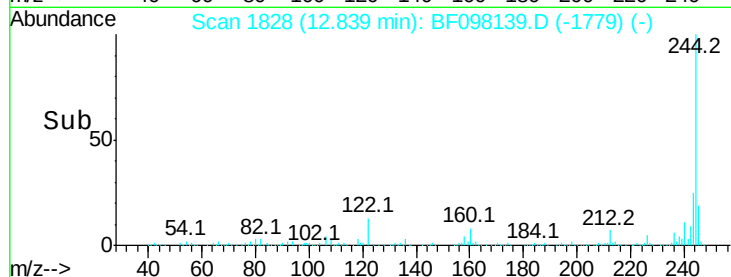
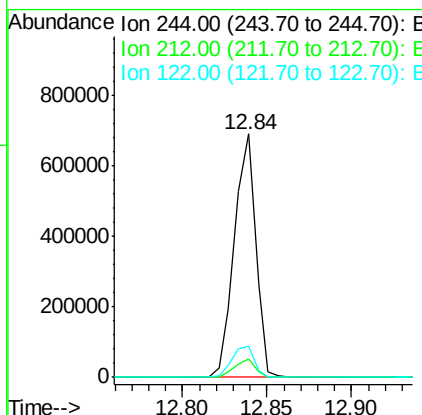
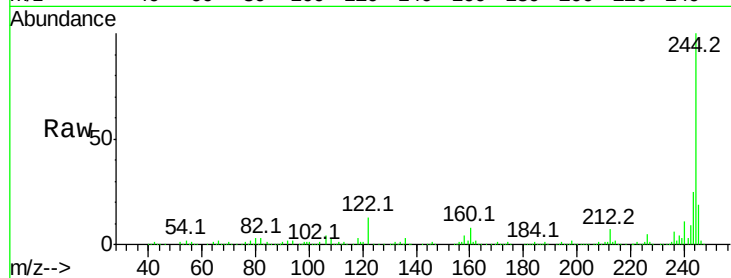




#78
 Terphenyl-d14
 Concen: 47.279 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF098139.D
 Acq: 30 Aug 2017 5:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 610126
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 12.8 10.3 15.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. -0.01 min
 Lab File: BF098139.D
 Acq: 30 Aug 2017 5:43

Tgt Ion:264 Resp: 217677
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.5 29.3
 265 21.0 17.2 25.8

