

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098146.D
 Acq On : 30 Aug 2017 8:57
 Operator : SJ/JU
 Sample : I4989-09
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 30 12:16:24 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

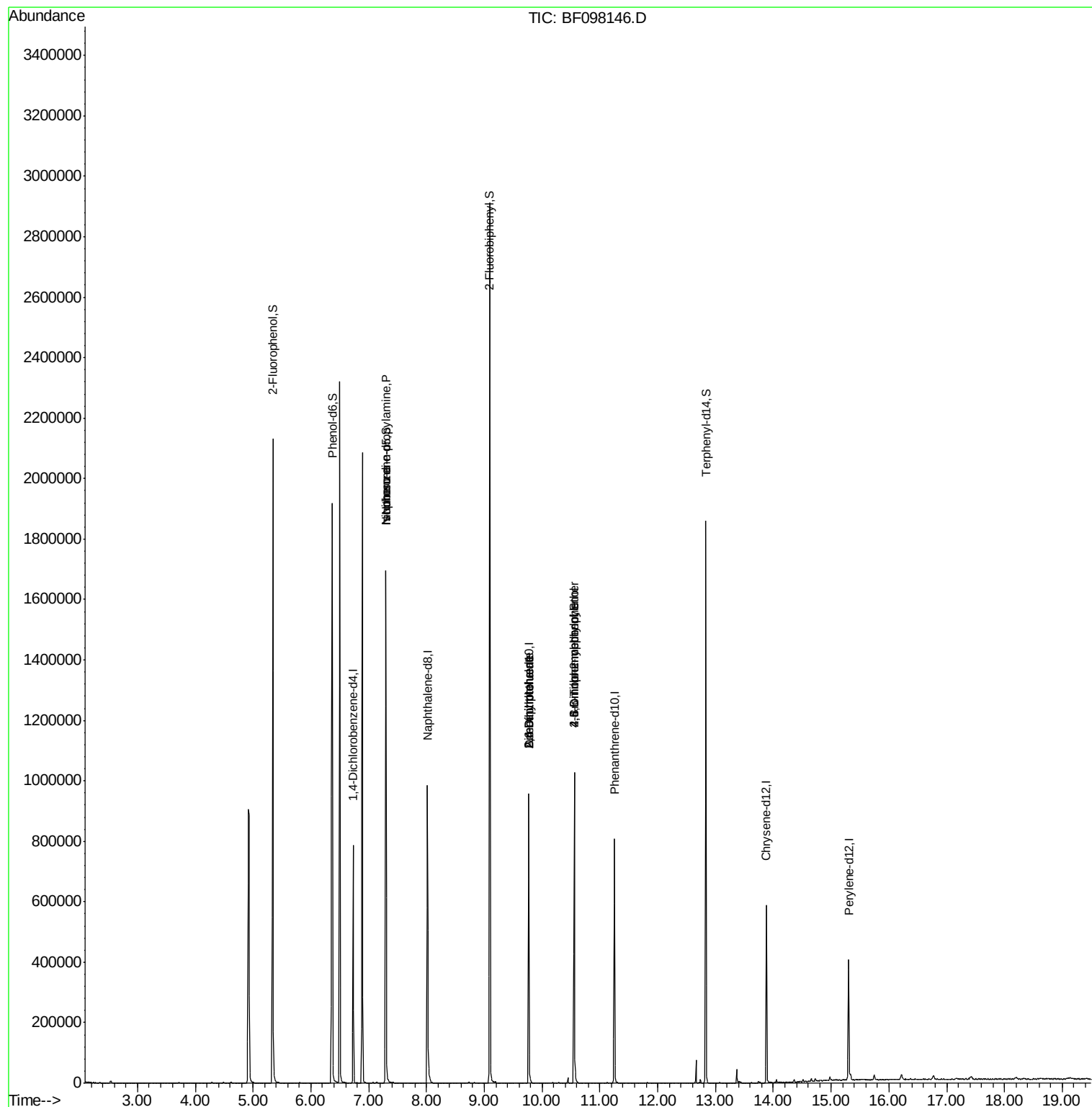
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	109117	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	421851	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	175674	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	275362	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	213303	20.00	ng	-0.01
86) Perylene-d12	15.30	264	184651	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	602814	84.03	ng	-0.01
7) Phenol-d6	6.37	99	724093	74.29	ng	-0.02
23) Nitrobenzene-d5	7.30	82	585669	75.42	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	121629	79.80	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	902305	75.46	ng	-0.02
78) Terphenyl-d14	12.83	244	573278	56.05	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	77442	11.606	ng	# 71
25) Isophorone	7.30	82	580489	35.950	ng	# 67
49) Dimethylphthalate	9.77	163	46278	3.604	ng	# 1
50) 2,6-Dinitrotoluene	9.77	165	22256	8.683	ng	# 33
56) 2,4-Dinitrotoluene	9.77	165	22256	6.919	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	279	8.498	ng	# 33
66) 4-Bromophenyl-phenylether	10.56	248	8205	2.869	ng	# 1

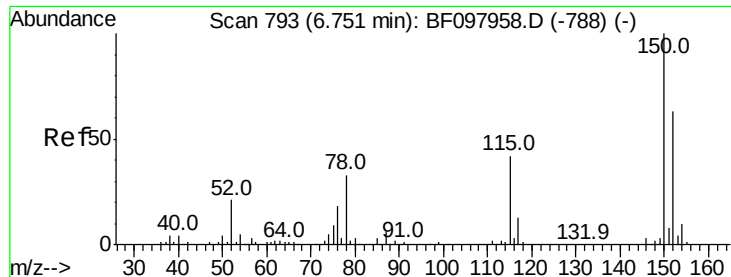
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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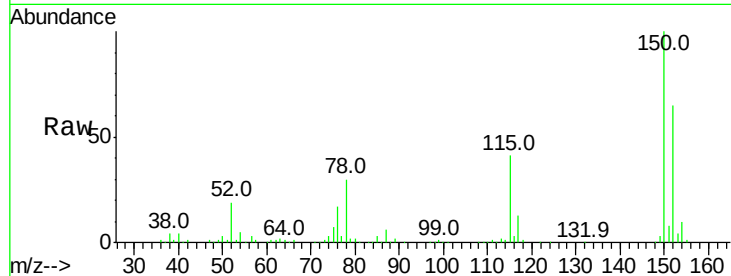


#1

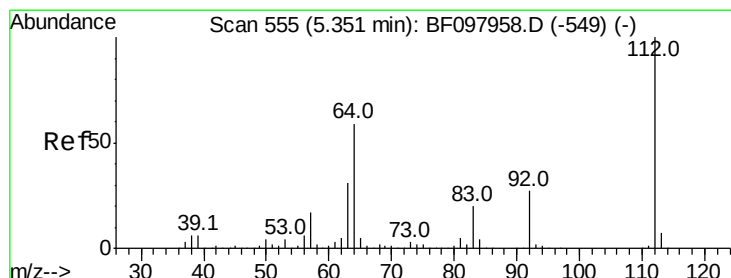
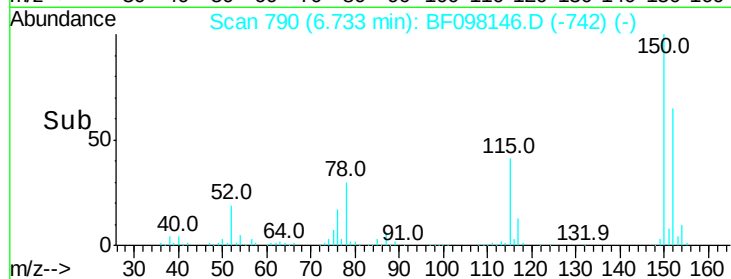
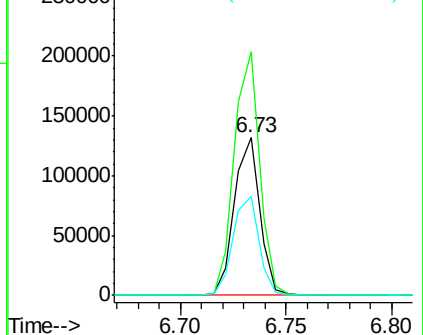
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF098146.D
Acq: 30 Aug 2017 8:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	126.2	189.2
115	62.7	52.2	78.2



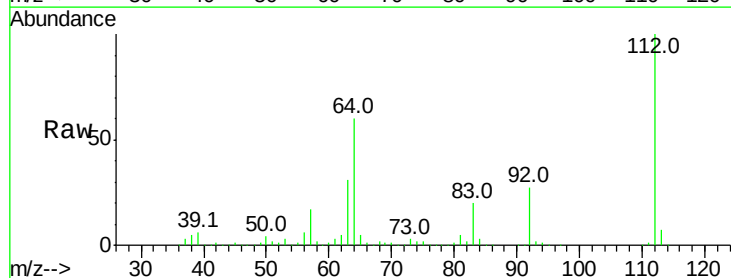
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



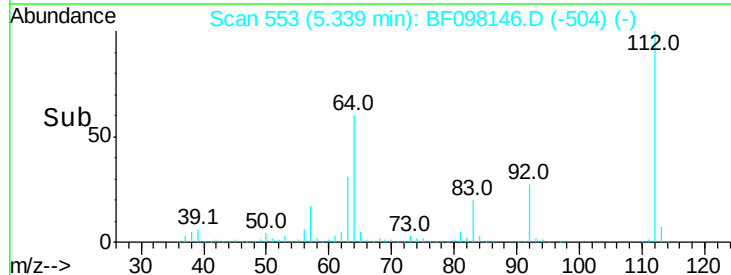
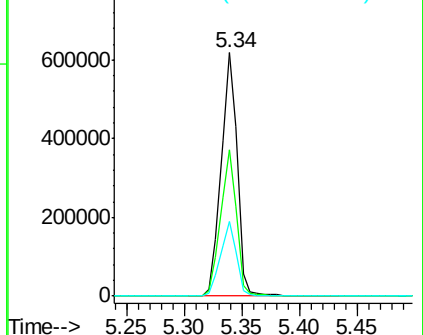
#5

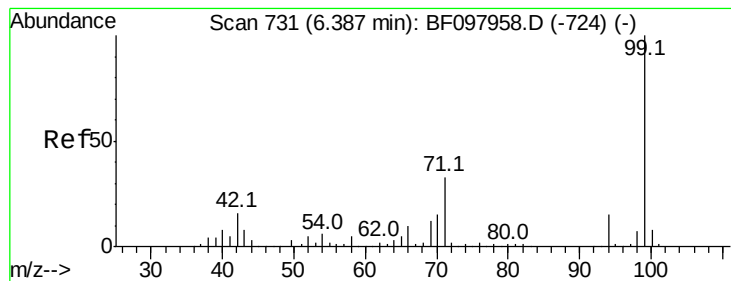
2-Fluorophenol
Concen: 84.031 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF098146.D
Acq: 30 Aug 2017 8:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	46.0	69.0
63	30.8	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: 74.289 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF098146.D

Acq: 30 Aug 2017 8:57

Instrument :

BNA_F

ClientSampled :

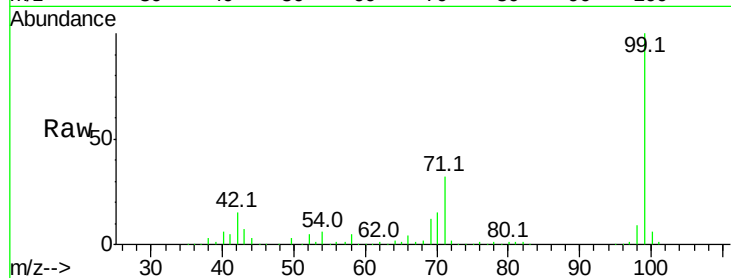
Tot Ion: 99 Resp: 724093

Ion Ratio Lower Upper

99 100

42 14.8 13.5 20.3

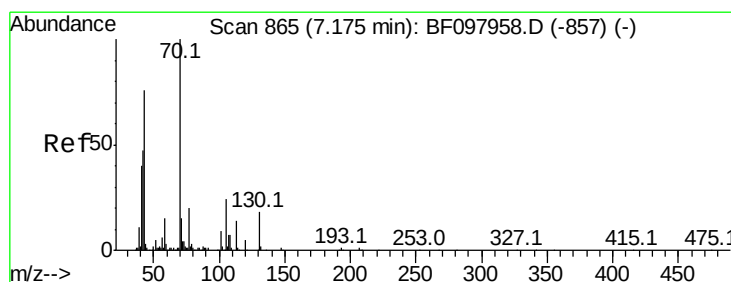
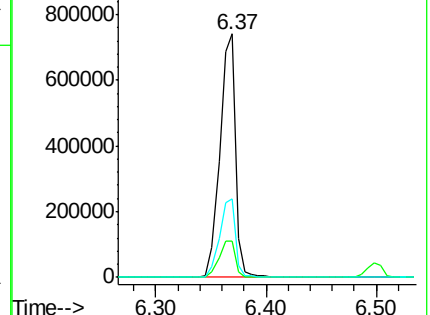
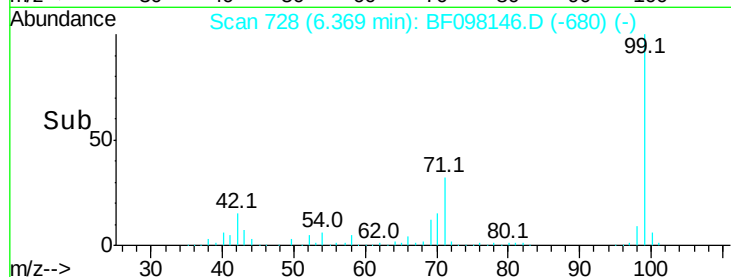
71 32.0 24.5 36.7



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: 11.606 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.12 min

Lab File: BF098146.D

Acq: 30 Aug 2017 8:57

Tgt Ion: 70 Resp: 77442

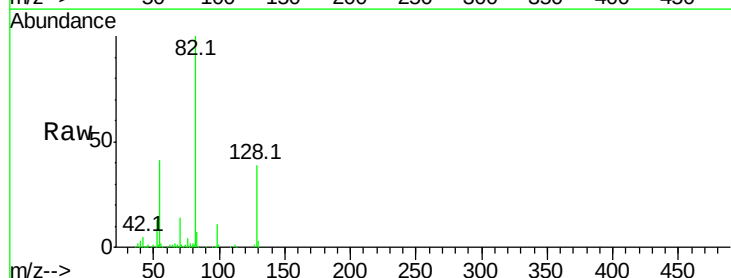
Ion Ratio Lower Upper

70 100

42 39.7 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

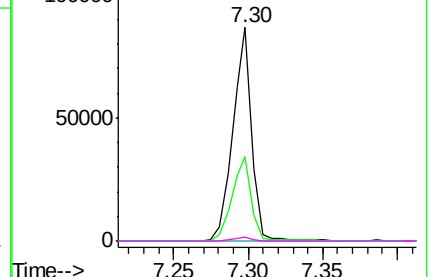
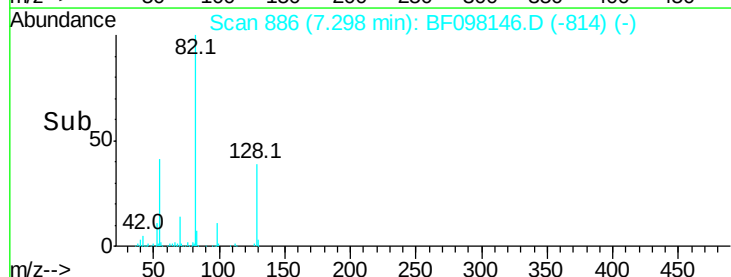


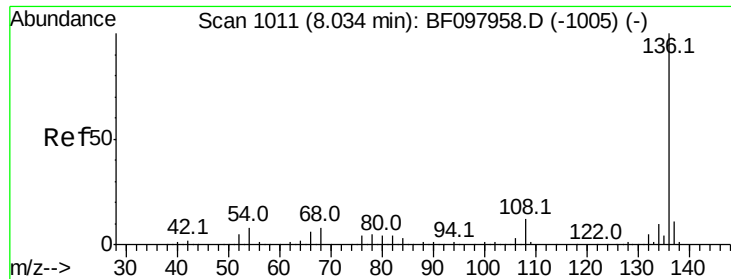
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

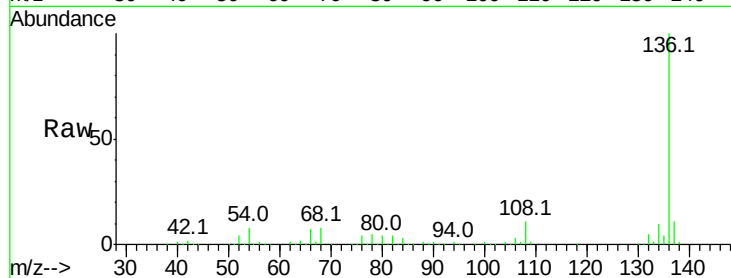




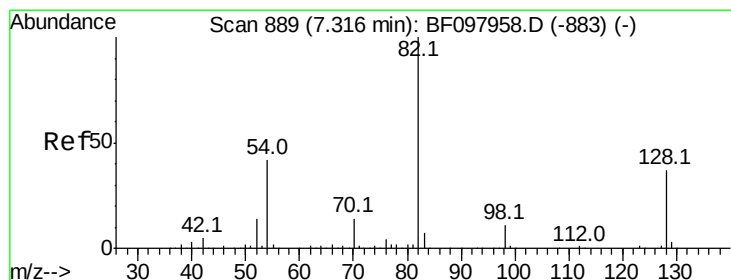
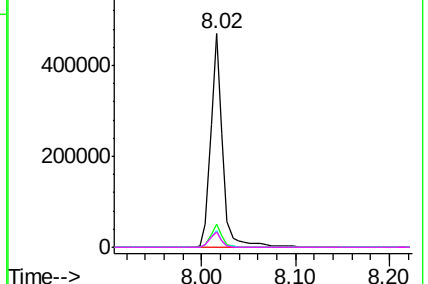
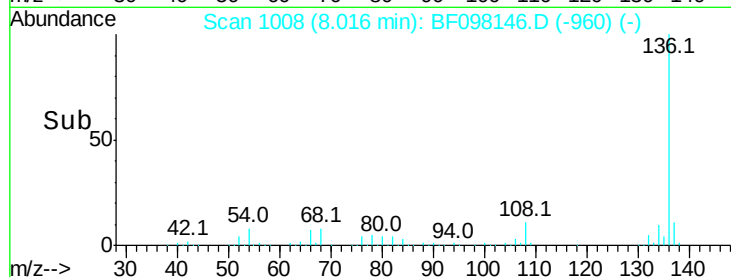
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF098146.D
Acq: 30 Aug 2017 8:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	421851
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	7.6	4.9	7.3#
68	7.5	4.1	6.1#

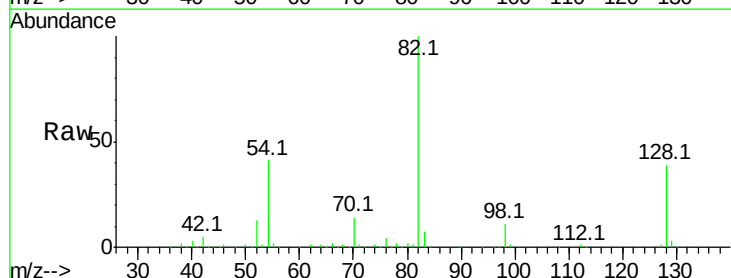


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

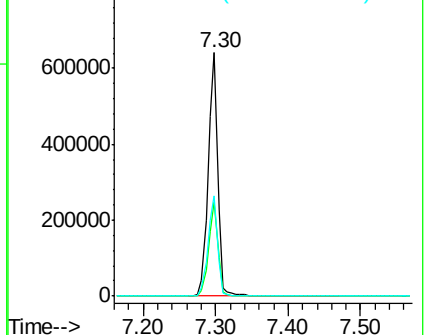
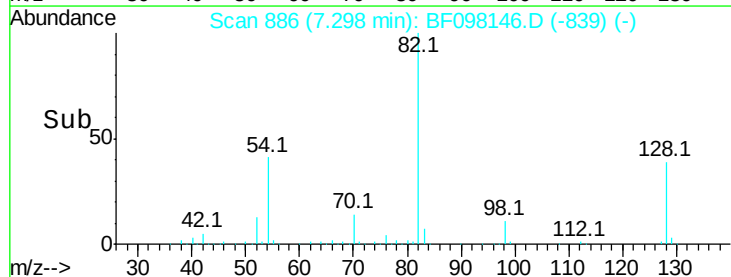


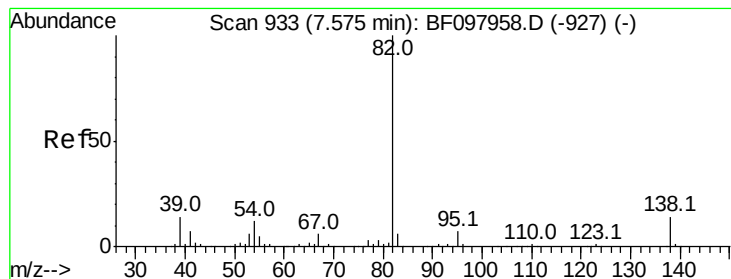
#23
Nitrobenzene-d5
Concen: 75.421 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF098146.D
Acq: 30 Aug 2017 8:57

Tgt Ion:	82	Resp:	585669
Ion	Ratio	Lower	Upper
82	100		
128	38.7	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: 35.950 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.28 min

Lab File: BF098146.D

Acq: 30 Aug 2017 8:57

Instrument :

BNA_F

ClientSampleId :

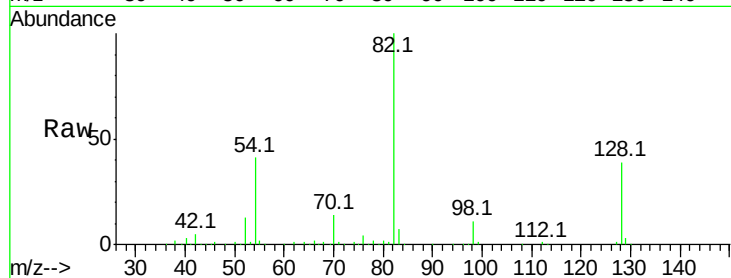
Tot Ion: 82 Resp: 580489

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

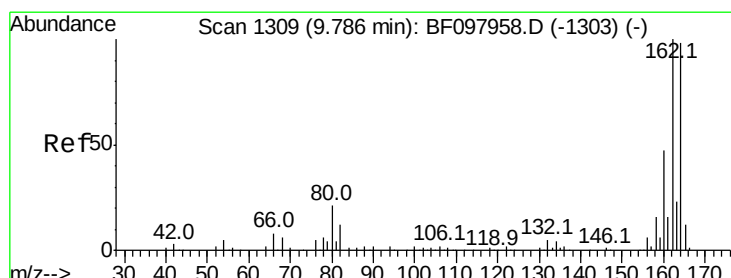
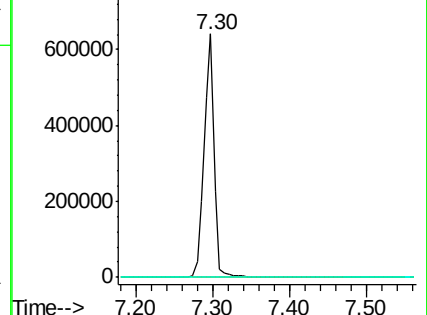
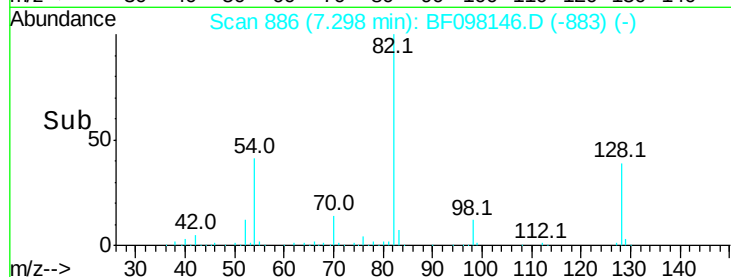
138 0.0 13.1 19.7#



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: BF098146.D

Acq: 30 Aug 2017 8:57

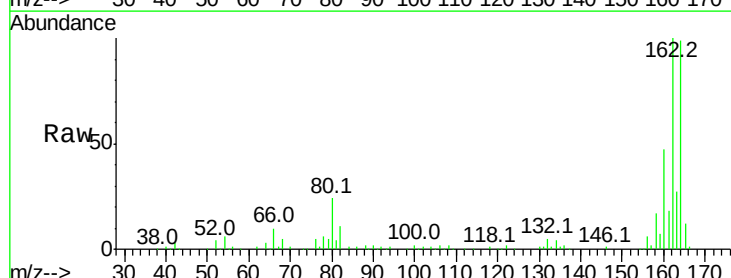
Tgt Ion: 164 Resp: 175674

Ion Ratio Lower Upper

164 100

162 100.8 82.6 123.8

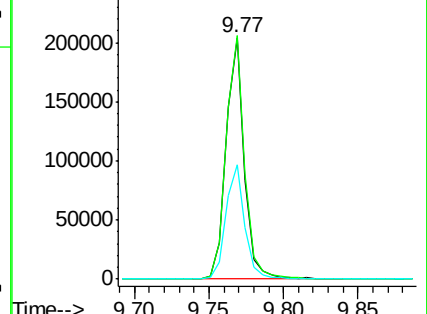
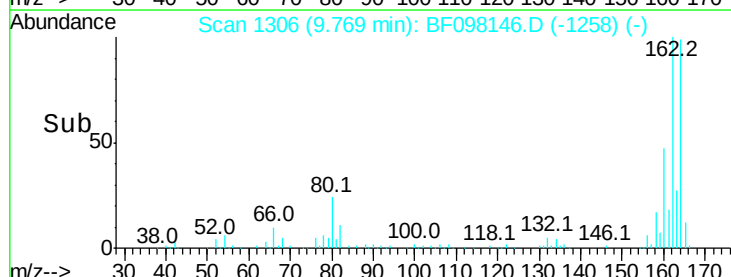
160 47.1 36.2 54.2

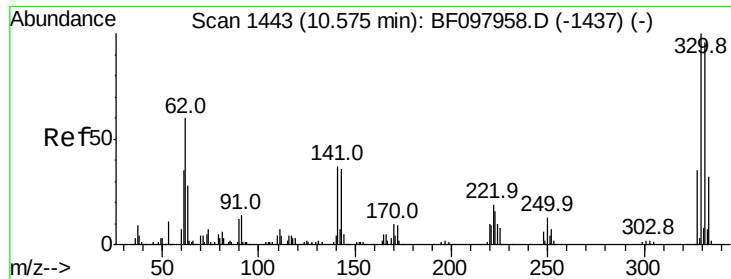


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

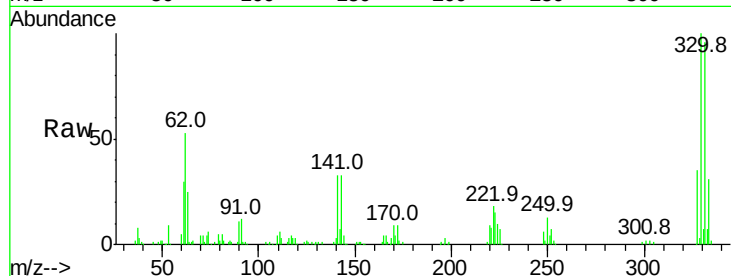




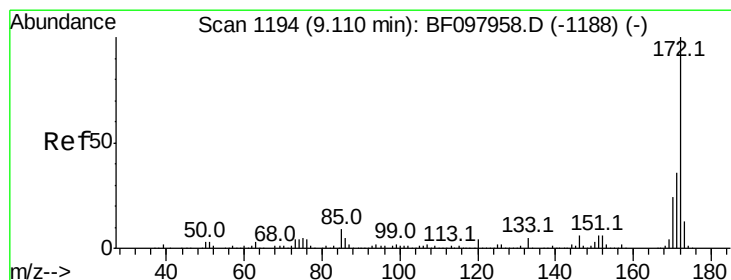
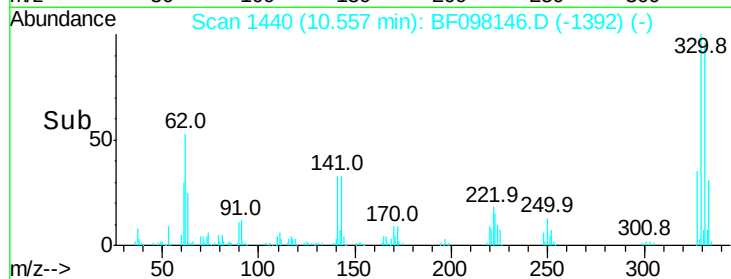
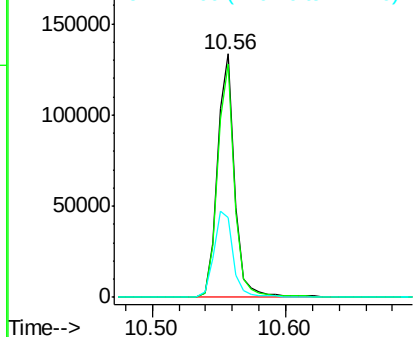
#41
 2,4,6-Tribromophenol
 Concen: 79.796 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098146.D
 Acq: 30 Aug 2017 8:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	39.9	31.4	47.2

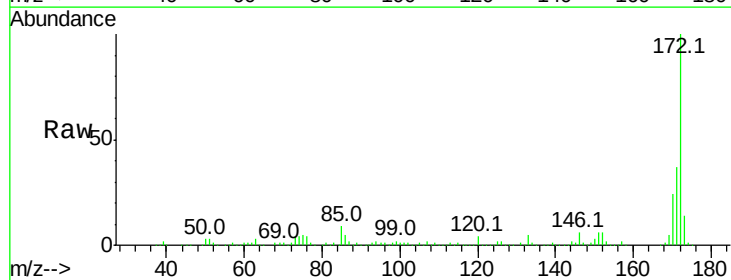


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

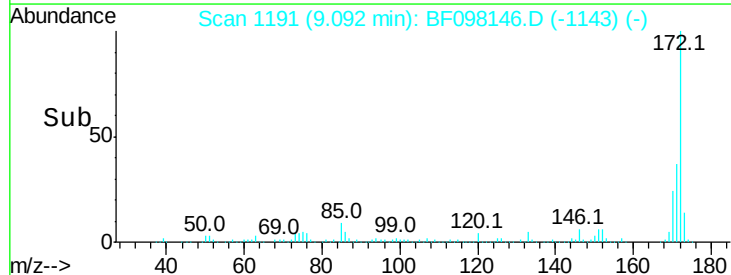
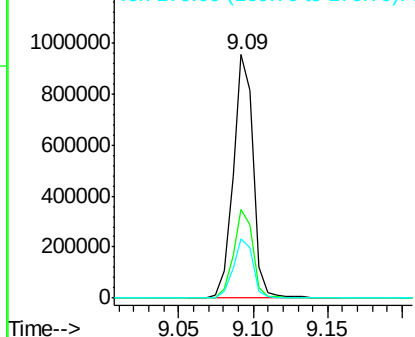


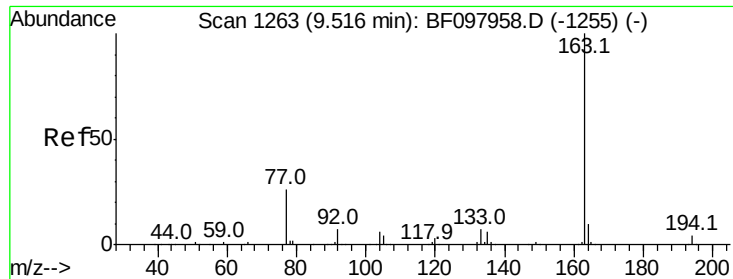
#44
 2-Fluorobiphenyl
 Concen: 75.462 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF098146.D
 Acq: 30 Aug 2017 8:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.3	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: 3.604 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.25 min

Lab File: BF098146.D

Acq: 30 Aug 2017 8:57

Instrument :

BNA_F

ClientSampleId :

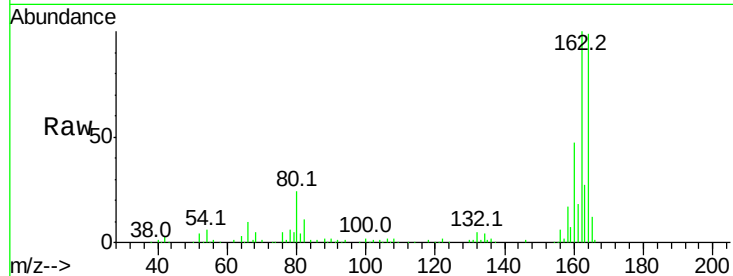
Tot Ion:163 Resp: 46278

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

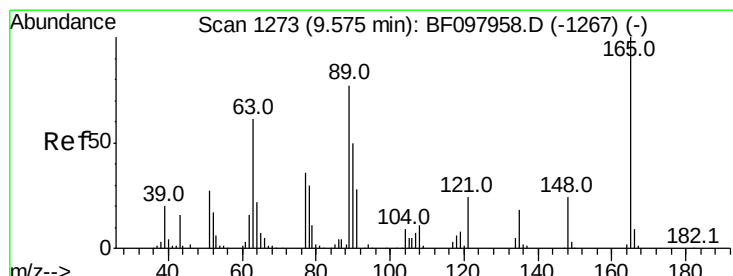
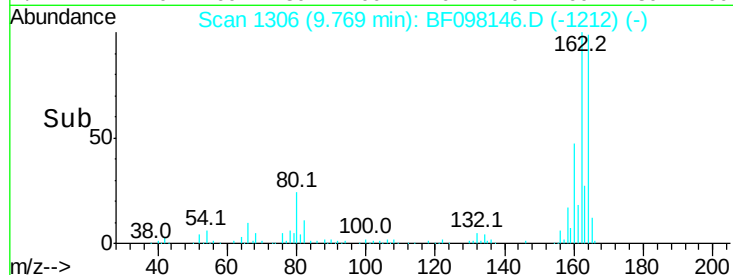
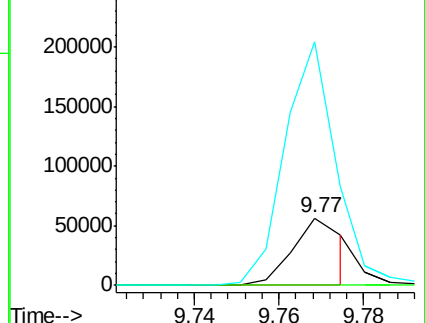
164 362.1 8.4 12.6#



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: 8.683 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.19 min

Lab File: BF098146.D

Acq: 30 Aug 2017 8:57

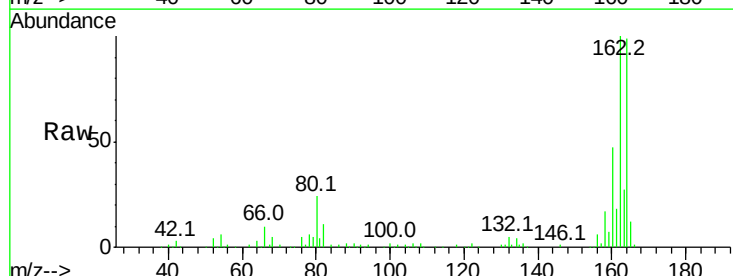
Tgt Ion:165 Resp: 22256

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

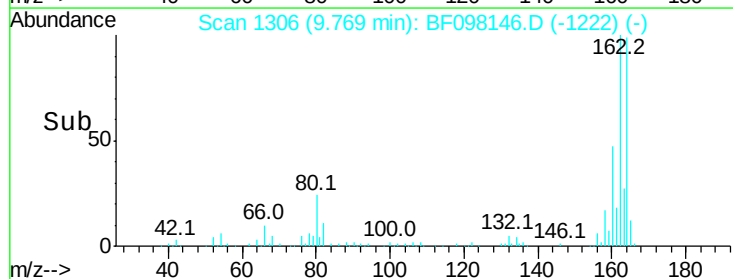
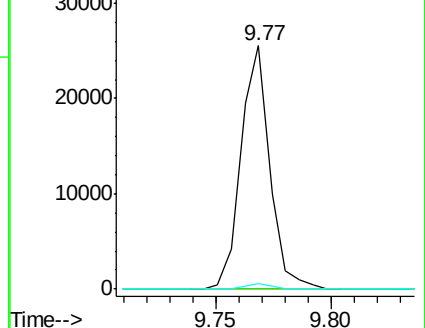
89 2.1 37.1 55.7#

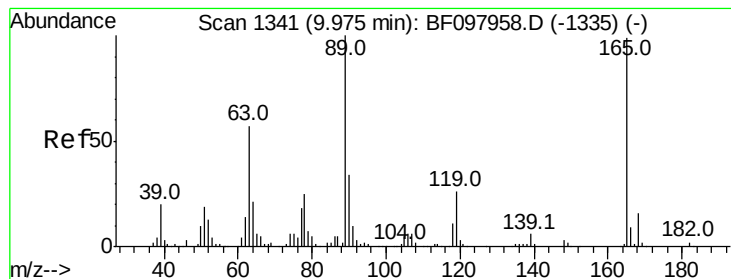


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

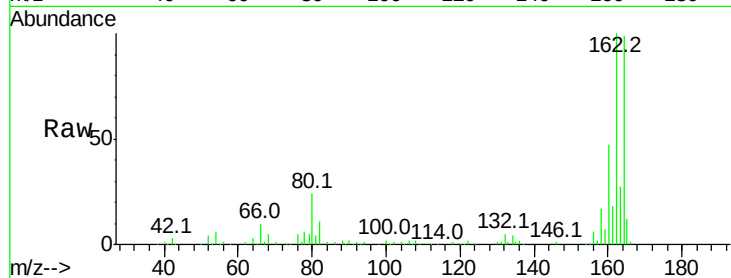




#56
 2,4-Dinitrotoluene
 Concen: 6.919 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.21 min
 Lab File: BF098146.D
 Acq: 30 Aug 2017 8:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	22256
Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	2.1	46.4	69.6#
182	0.0	1.8	2.6#

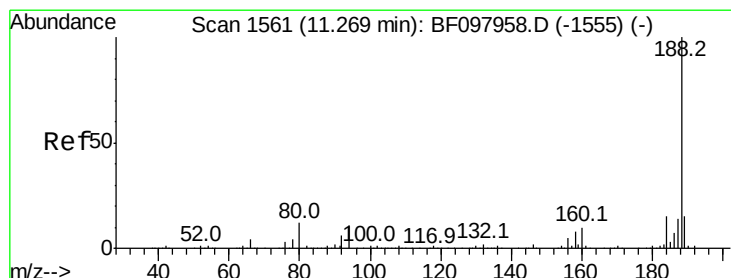
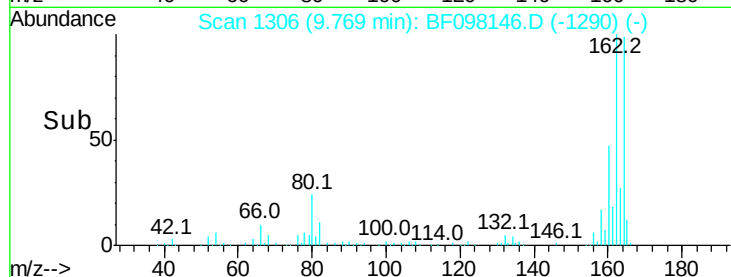
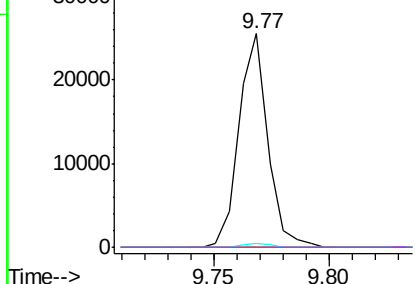


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

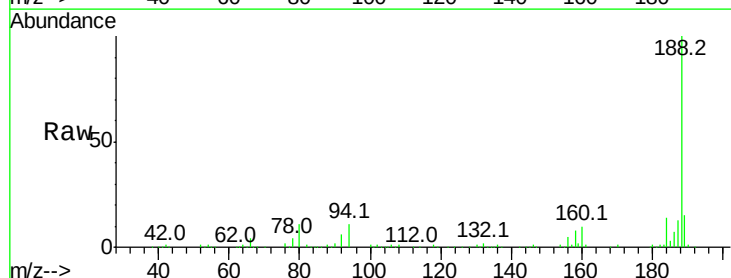
Ion 89.00 (88.70 to 89.70): BF0

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: BF098146.D
 Acq: 30 Aug 2017 8:57

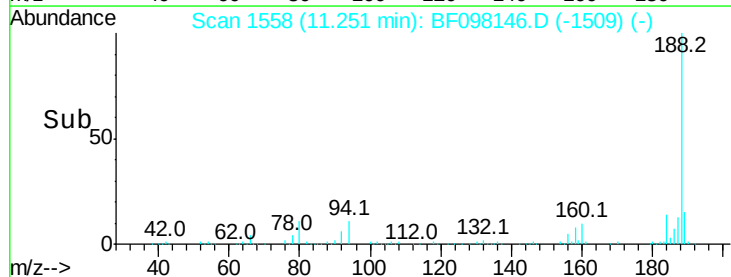
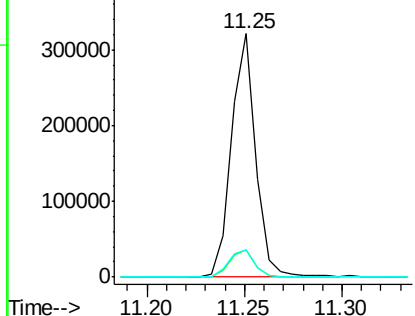
Tgt Ion:	188	Resp:	275362
Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.4	14.2
80	11.2	10.2	15.2

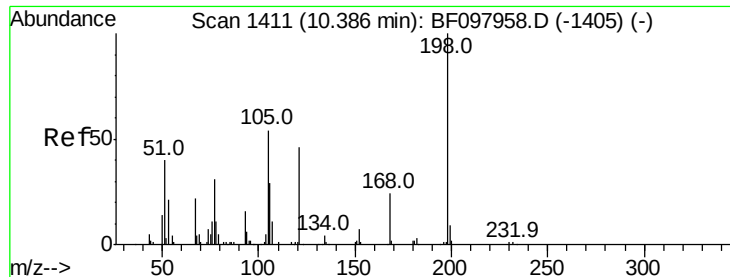


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.498 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.18 min

Lab File: BF098146.D

Acq: 30 Aug 2017 8:57

Instrument :

BNA_F

ClientSampled :

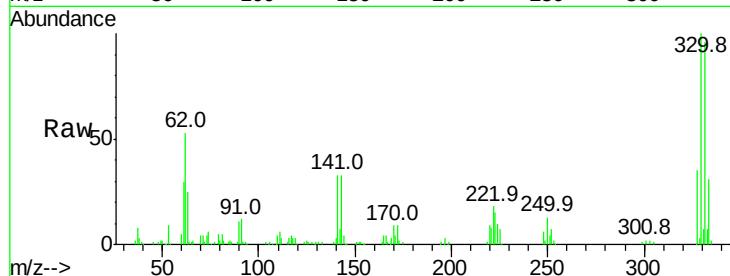
Tot Ion:198 Resp: 279

Ion Ratio Lower Upper

198 100

51 114.0 53.2 93.2#

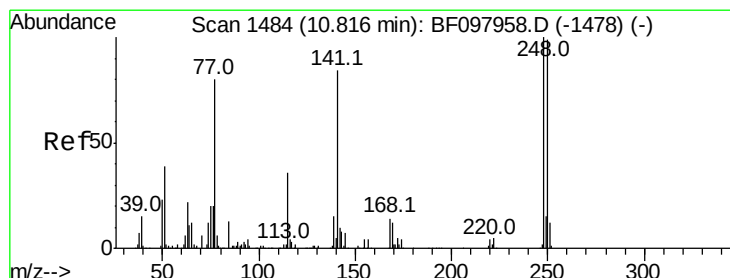
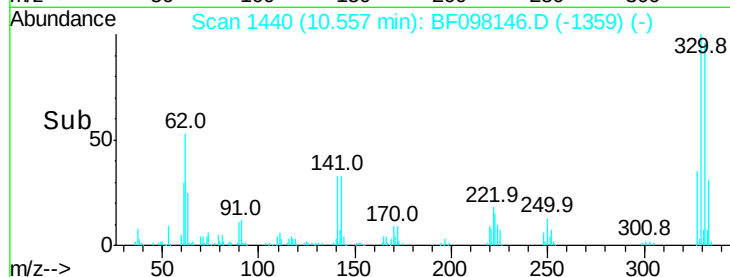
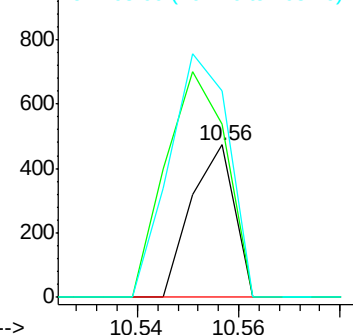
105 135.8 45.8 85.8#



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: 2.869 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.26 min

Lab File: BF098146.D

Acq: 30 Aug 2017 8:57

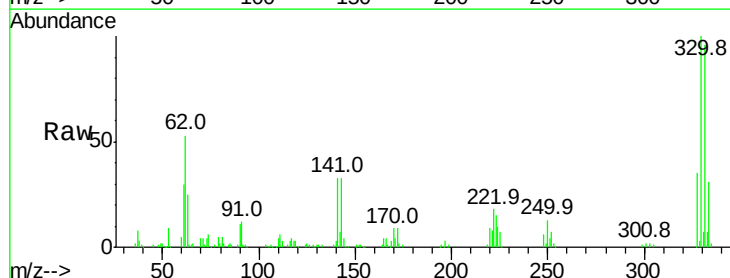
Tgt Ion:248 Resp: 8205

Ion Ratio Lower Upper

248 100

250 197.7 76.8 115.2#

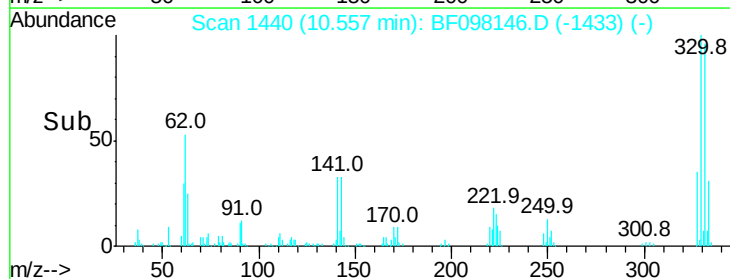
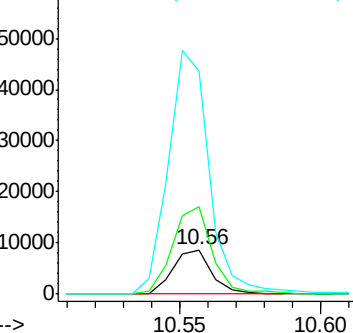
141 502.9 68.6 103.0#

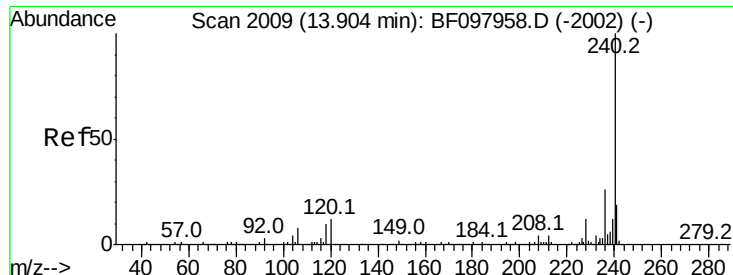


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF098146.D

Acq: 30 Aug 2017 8:57

Instrument :

BNA_F

ClientSampleID :

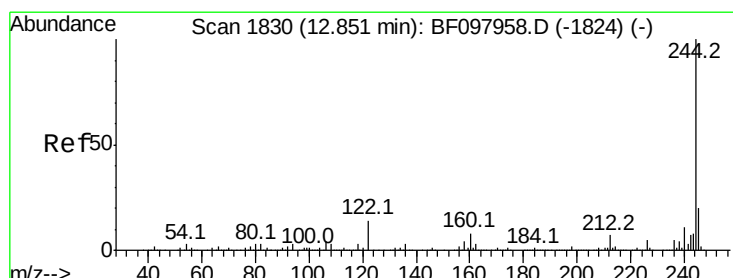
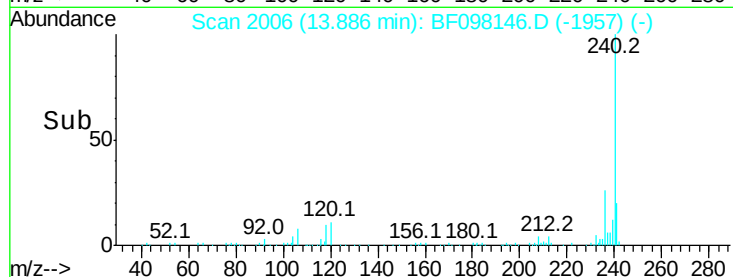
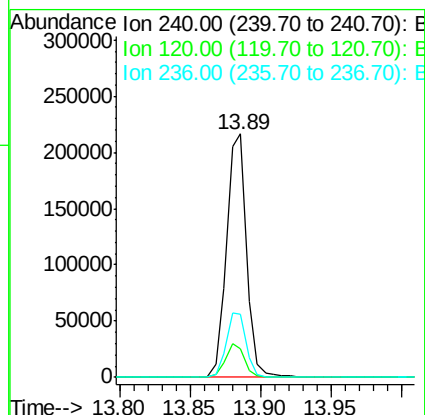
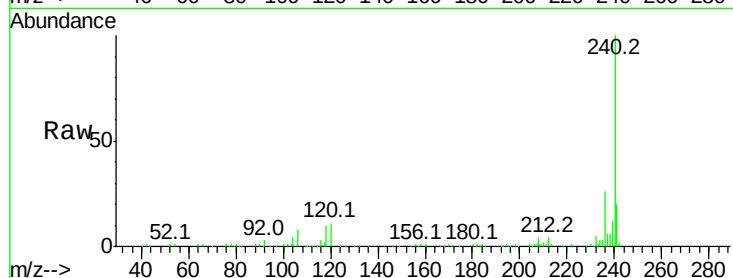
Tot Ion:240 Resp: 213303

Ion Ratio Lower Upper

240 100

120 11.5 5.8 8.8#

236 26.0 20.5 30.7



#78

Terphenyl-d14

Concen: 56.046 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF098146.D

Acq: 30 Aug 2017 8:57

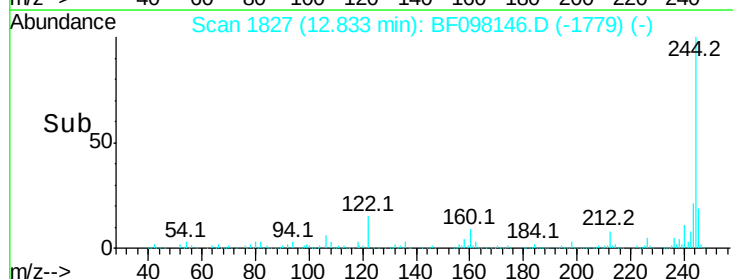
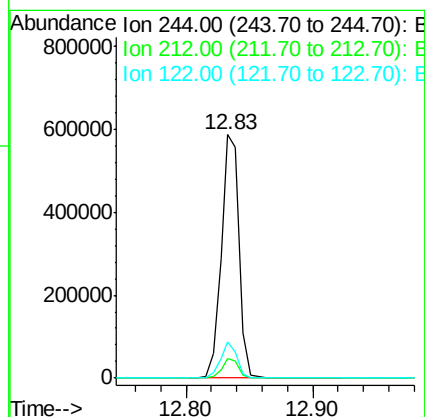
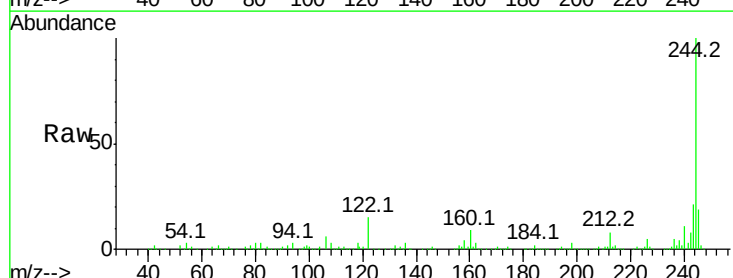
Tgt Ion:244 Resp: 573278

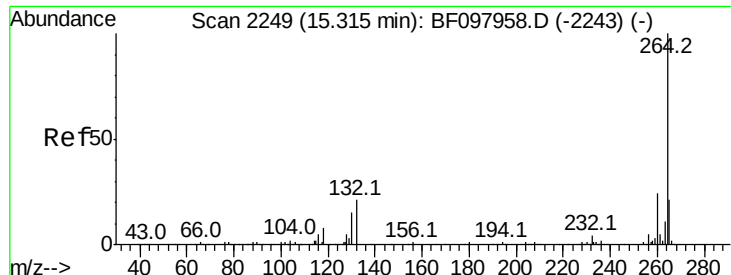
Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

122 14.7 10.3 15.5

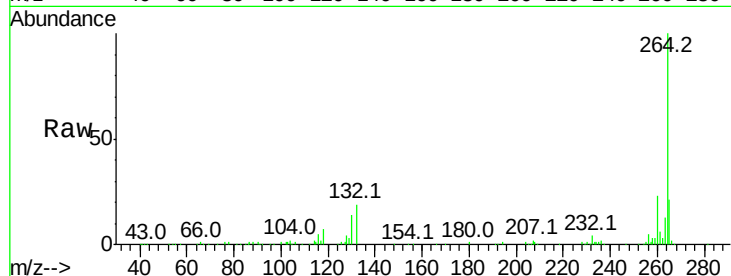




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. -0.01 min
 Lab File: BF098146.D
 Acq: 30 Aug 2017 8:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	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

