

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091517\
 Data File : BF098575.D
 Acq On : 15 Sep 2017 18:11
 Operator : SJ/JU
 Sample : PB102329BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB102329BL

Quant Time: Sep 16 01:47:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

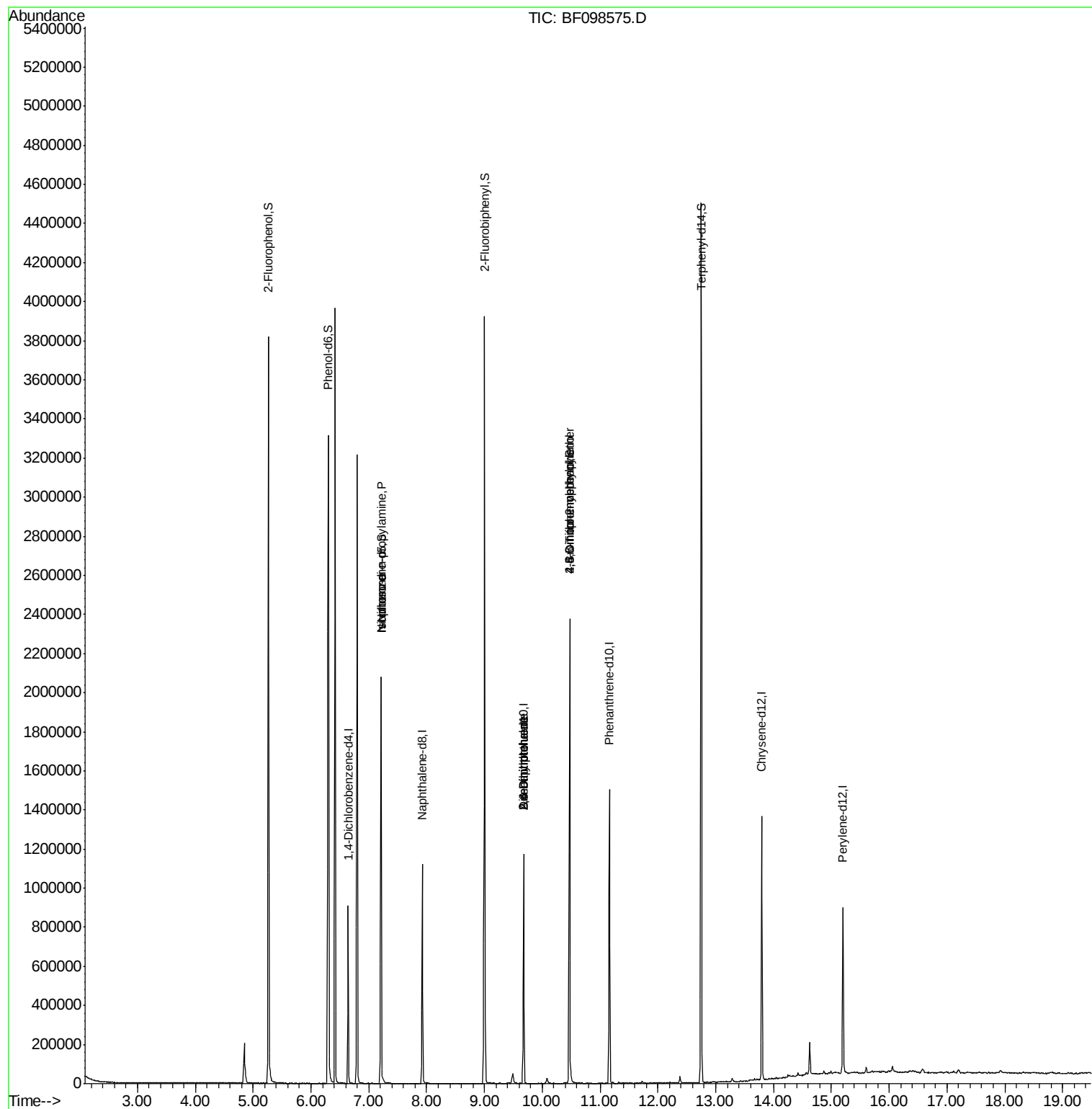
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	130336	20.00	ng	-0.03
21) Naphthalene-d8	7.93	136	537501	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	253409	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	500937	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	439222	20.00	ng	-0.02
86) Perylene-d12	15.20	264	371731	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1088487	123.48	ng	-0.01
7) Phenol-d6	6.30	99	1338279	119.57	ng	-0.02
23) Nitrobenzene-d5	7.22	82	801333	83.11	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	282674	167.13	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	1461171	97.73	ng	-0.03
78) Terphenyl-d14	12.75	244	1432560	70.40	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.22	70	106654	15.149	ng	# 78
25) Isophorone	7.22	82	782645	40.121	ng	# 67
49) Dimethylphthalate	9.68	163	73673	3.756	ng	# 1
50) 2,6-Dinitrotoluene	9.68	165	32674	8.109	ng	# 34
56) 2,4-Dinitrotoluene	9.68	165	32674	6.670	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.47	198	772	5.190	ng	# 17
66) 4-Bromophenyl-phenylether	10.47	248	21423	4.506	ng	# 1

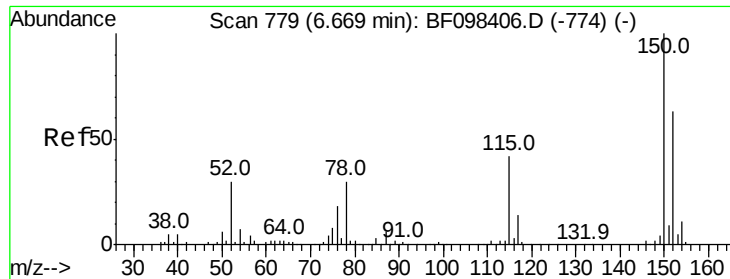
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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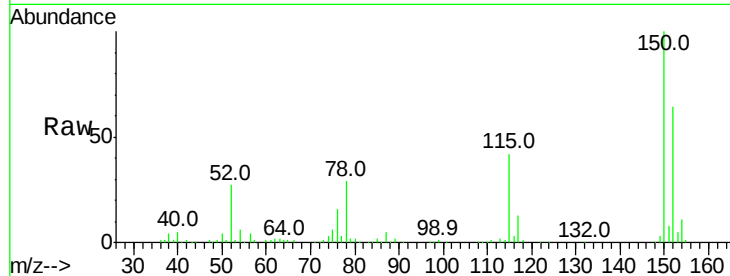


#1

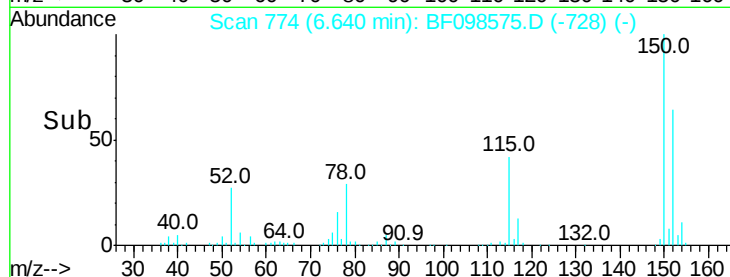
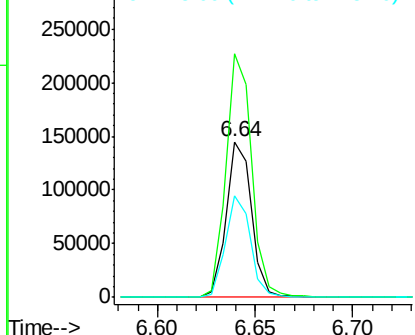
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.64 min Scan# 774
Delta R.T. -0.03 min
Lab File: BF098575.D
Acq: 15 Sep 2017 18:11

Instrument :
BNA_F
ClientSampleId :
PB102329BL

Tot Ion:152 Resp: 130336
Ion Ratio Lower Upper
152 100
150 156.6 126.2 189.2
115 65.0 52.2 78.2



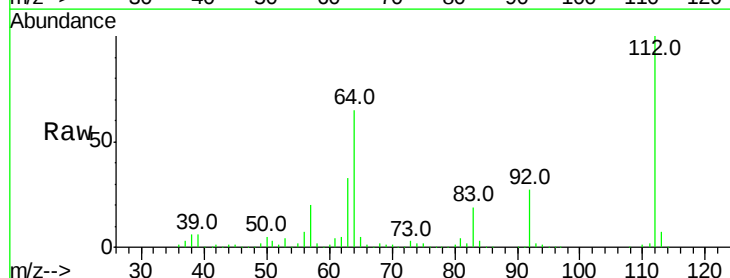
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



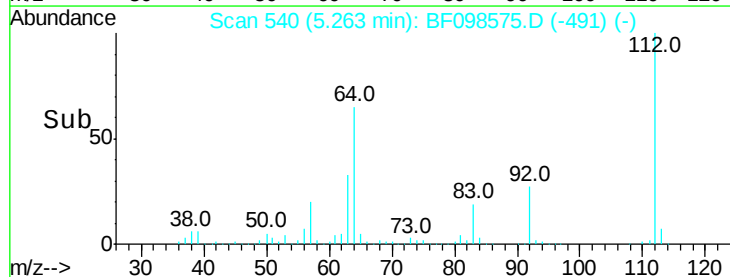
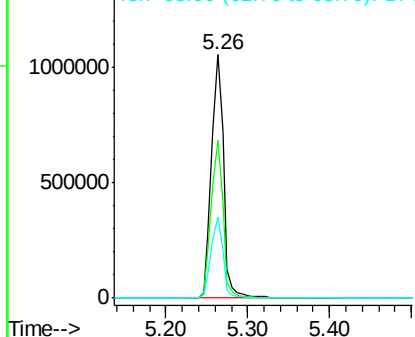
#5

2-Fluorophenol
Concen: 123.477 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF098575.D
Acq: 15 Sep 2017 18:11

Tgt Ion:112 Resp: 1088487
Ion Ratio Lower Upper
112 100
64 65.0 46.0 69.0
63 33.3 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: 119.570 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF098575.D

Acq: 15 Sep 2017 18:11

Instrument :

BNA_F

ClientSampleId :

PB102329BL

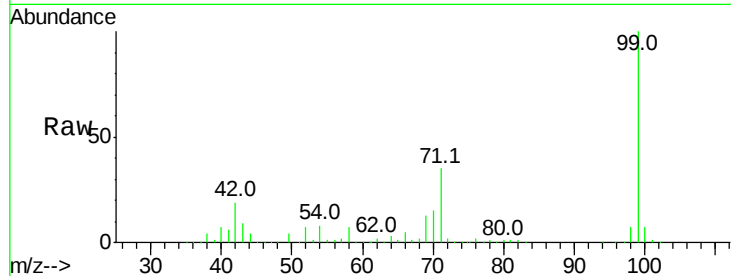
Tot Ion: 99 Resp: 1338279

Ion Ratio Lower Upper

99 100

42 18.7 13.5 20.3

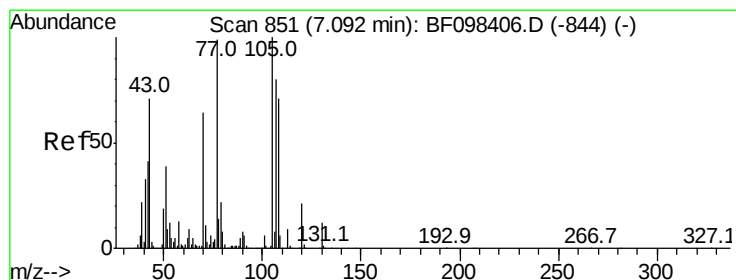
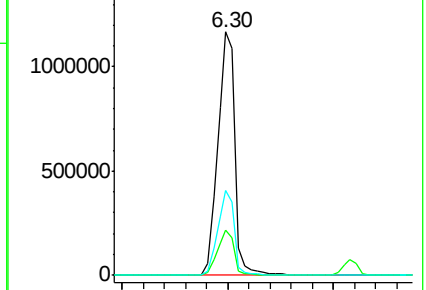
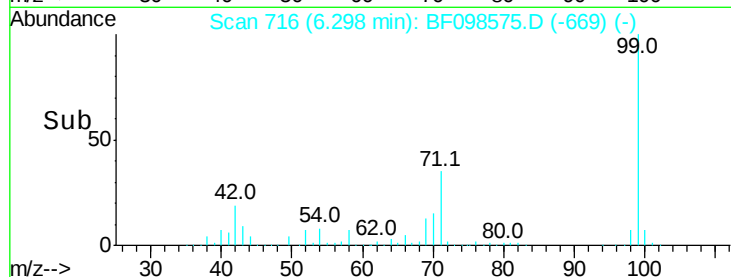
71 34.9 24.5 36.7



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: 15.149 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.12 min

Lab File: BF098575.D

Acq: 15 Sep 2017 18:11

Tgt Ion: 70 Resp: 106654

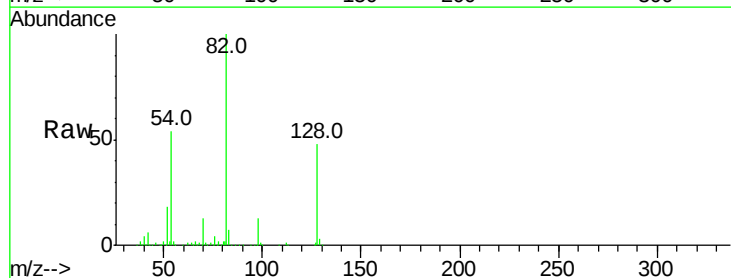
Ion Ratio Lower Upper

70 100

42 46.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.8 15.9 23.9#

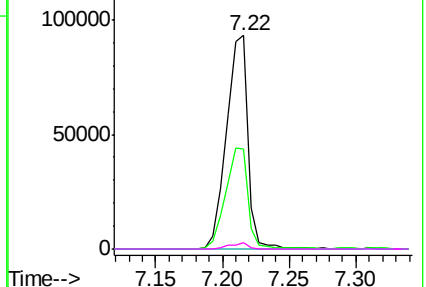
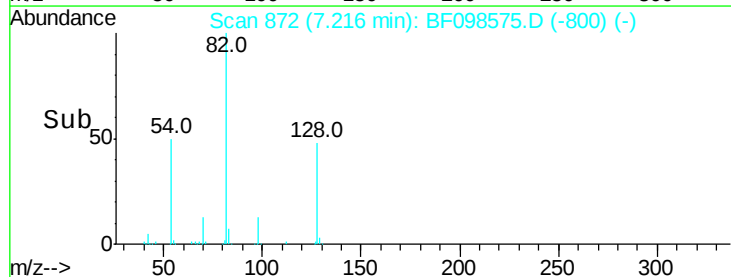


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.93 min Scan# 993

Delta R.T. -0.02 min

Lab File: BF098575.D

Acq: 15 Sep 2017 18:11

Instrument :

BNA_F

ClientSampleId :

PB102329BL

Tot Ion:136 Resp: 537501

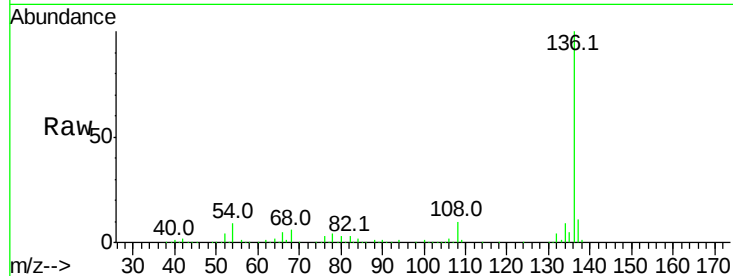
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 8.7 4.9 7.3#

68 5.6 4.1 6.1

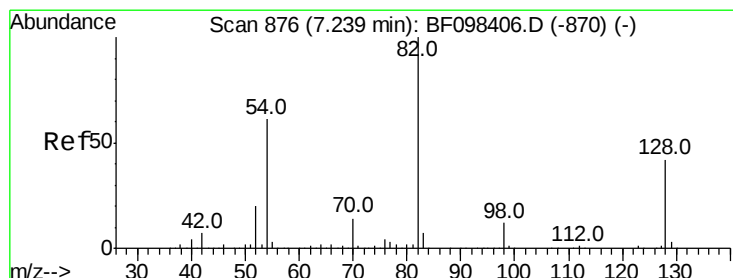
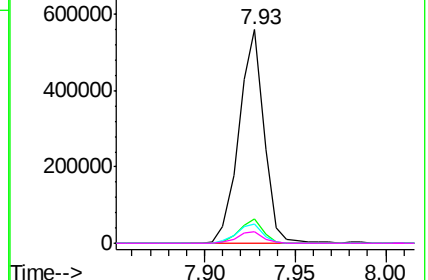
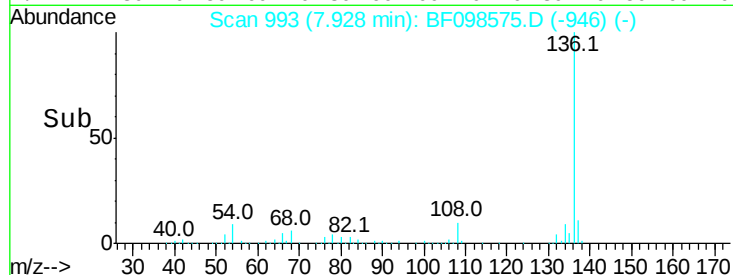


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.114 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.02 min

Lab File: BF098575.D

Acq: 15 Sep 2017 18:11

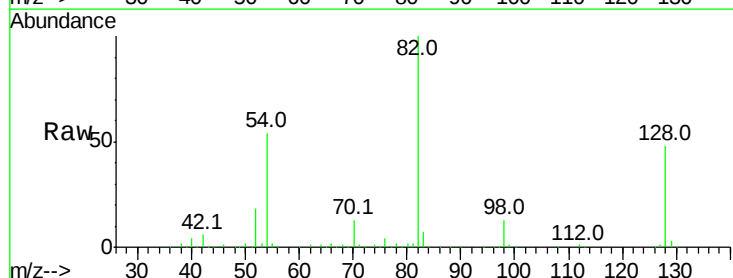
Tgt Ion: 82 Resp: 801333

Ion Ratio Lower Upper

82 100

128 47.5 34.0 51.0

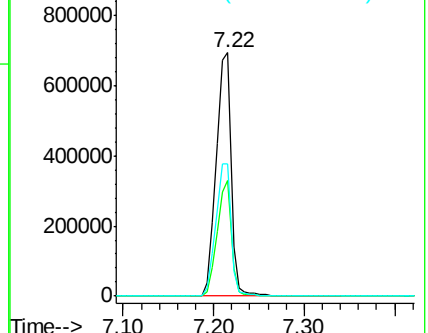
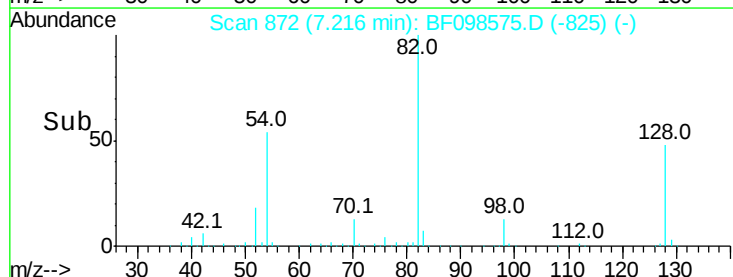
54 54.3 42.2 63.2

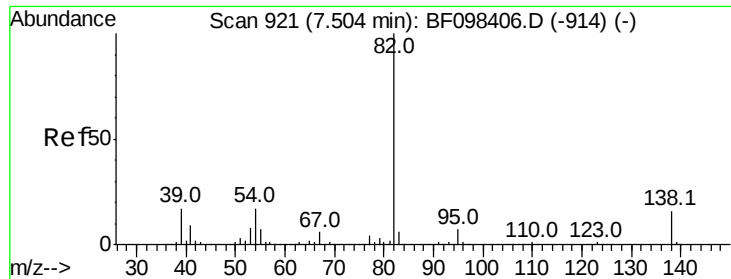


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 40.121 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.29 min

Lab File: BF098575.D

Acq: 15 Sep 2017 18:11

Instrument :

BNA_F

ClientSampleId :

PB102329BL

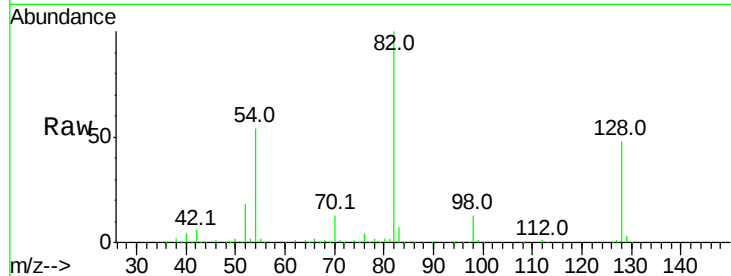
Tot Ion: 82 Resp: 782645

Ion Ratio Lower Upper

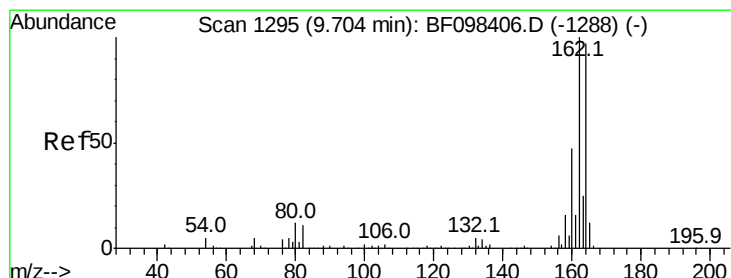
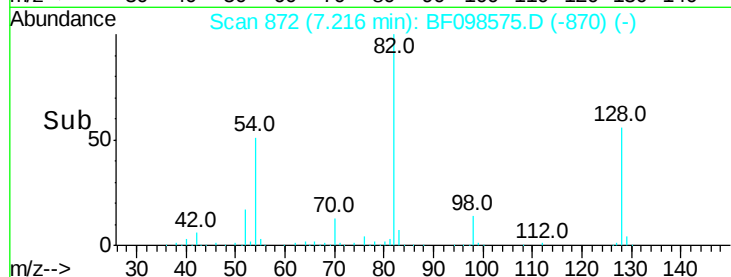
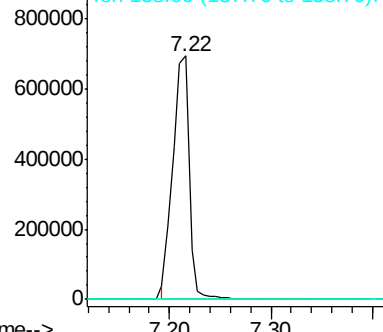
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.02 min

Lab File: BF098575.D

Acq: 15 Sep 2017 18:11

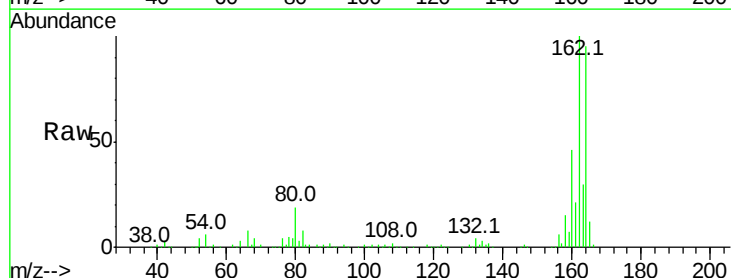
Tgt Ion:164 Resp: 253409

Ion Ratio Lower Upper

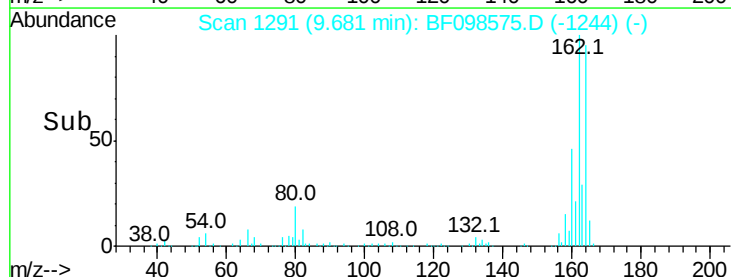
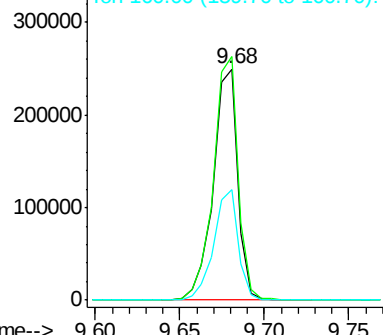
164 100

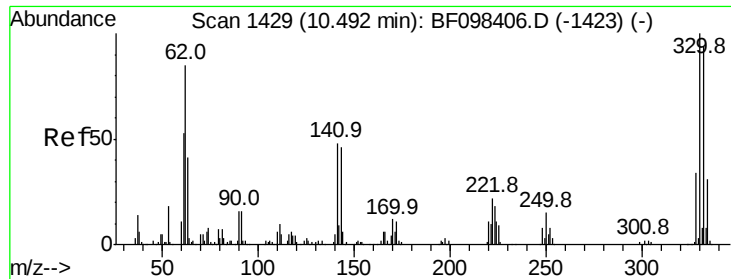
162 105.3 82.6 123.8

160 48.0 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

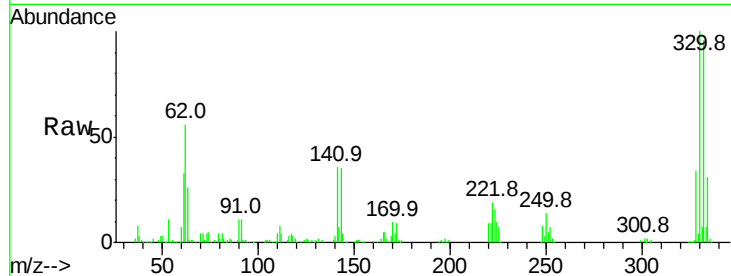




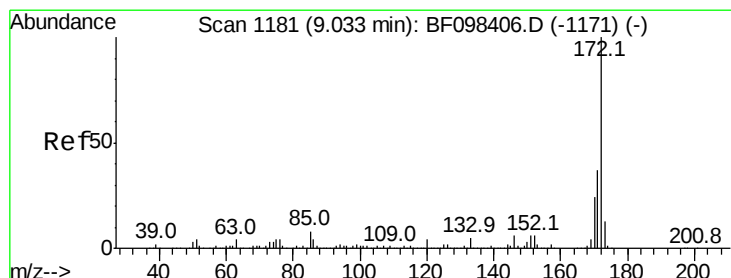
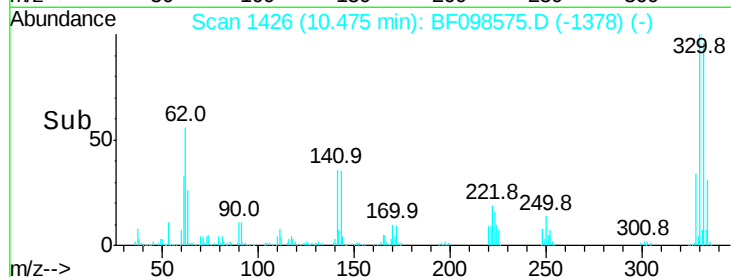
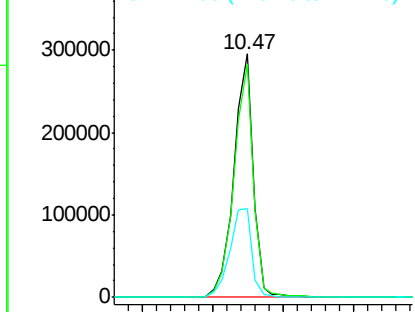
#41
 2,4,6-Tribromophenol
 Concen: 167.134 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098575.D
 Acq: 15 Sep 2017 18:11

Instrument :
 BNA_F
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 PB102329BL

Tot Ion:330 Resp: 282674
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.6 115.0
 141 41.2 31.4 47.2

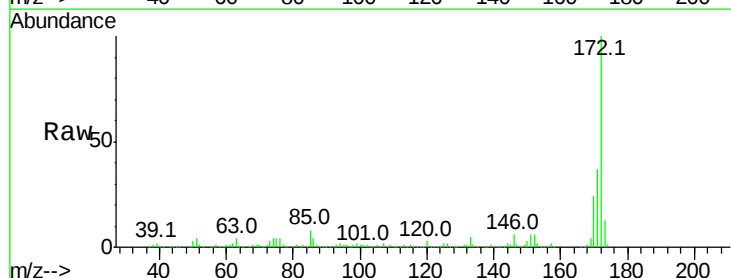


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

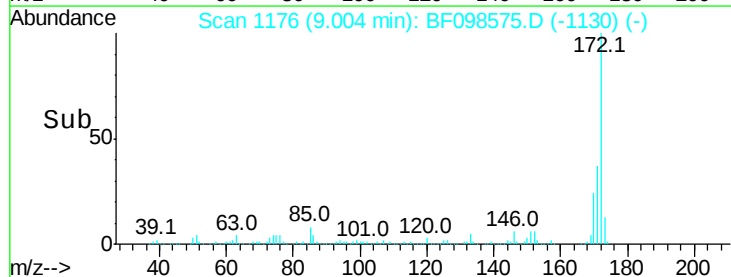
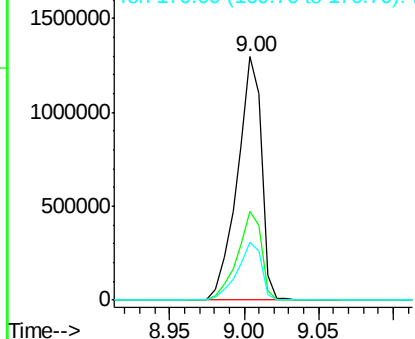


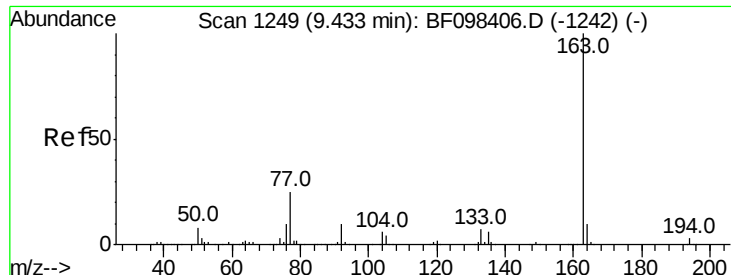
#44
 2-Fluorobiphenyl
 Concen: 97.730 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. -0.03 min
 Lab File: BF098575.D
 Acq: 15 Sep 2017 18:11

Tgt Ion:172 Resp: 1461171
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.6 44.4
 170 23.7 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

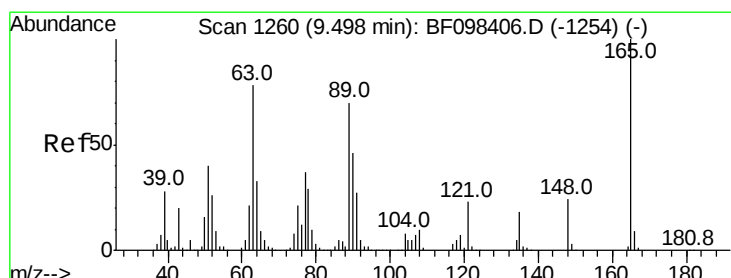
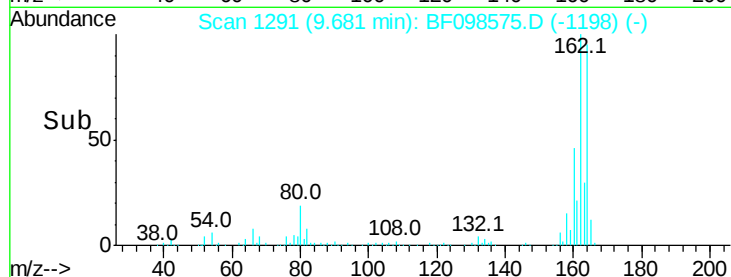
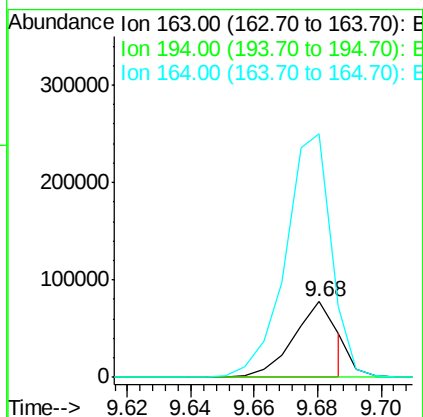
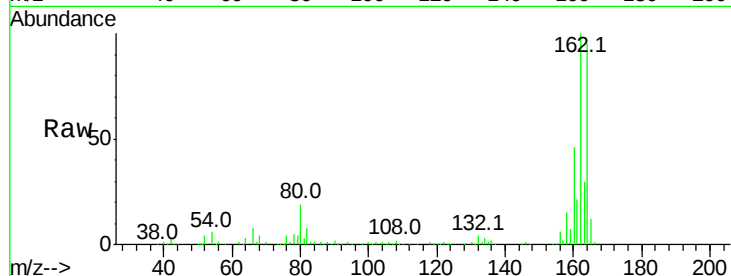




#49
Dimethylphthalate
Concen: 3.756 ng
RT: 9.68 min Scan# 1291
Delta R.T. 0.25 min
Lab File: BF098575.D
Acq: 15 Sep 2017 18:11

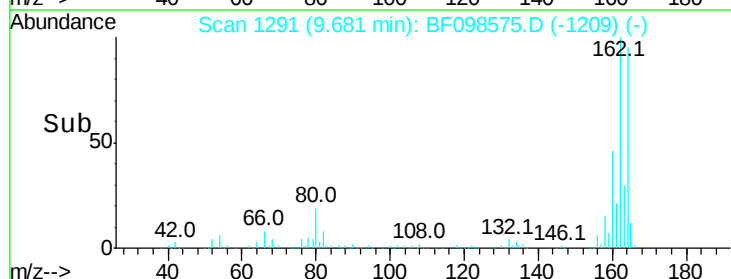
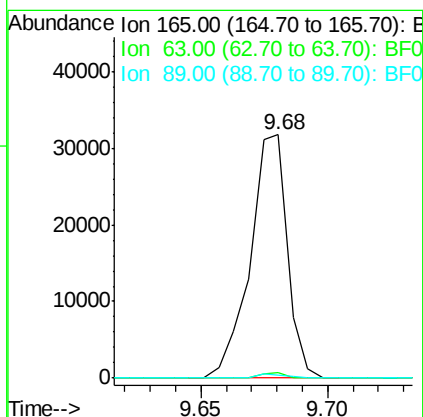
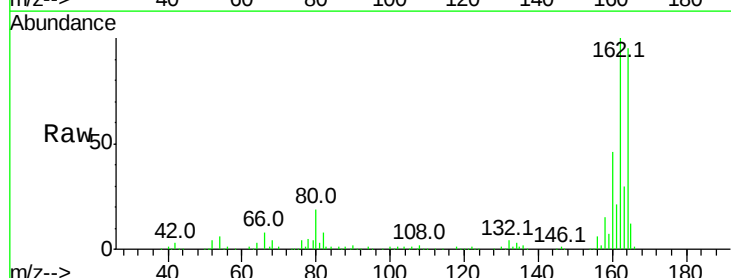
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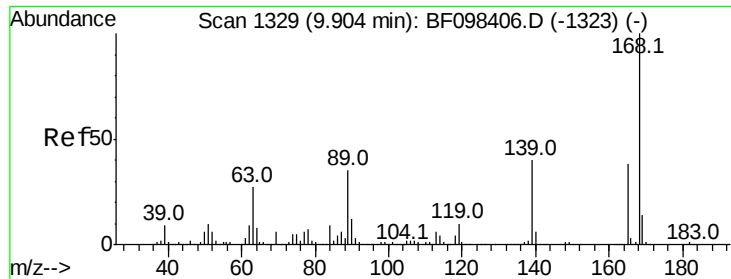
Tot Ion:163 Resp: 73673
Ion Ratio Lower Upper
163 100
194 0.0 2.6 4.0#
164 320.9 8.4 12.6#



#50
2,6-Dinitrotoluene
Concen: 8.109 ng
RT: 9.68 min Scan# 1291
Delta R.T. 0.18 min
Lab File: BF098575.D
Acq: 15 Sep 2017 18:11

Tgt Ion:165 Resp: 32674
Ion Ratio Lower Upper
165 100
63 2.5 34.3 51.5#
89 1.4 37.1 55.7#





#56

2,4-Dinitrotoluene

Concen: 6.670 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.22 min

Lab File: BF098575.D

Acq: 15 Sep 2017 18:11

Instrument :

BNA_F

ClientSampleId :

PB102329BL

Tot Ion:165 Resp: 32674

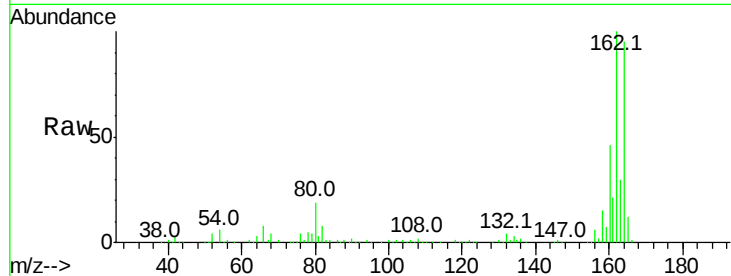
Ion Ratio Lower Upper

165 100

63 2.5 25.4 38.0#

89 1.4 46.4 69.6#

182 0.0 1.8 2.6#

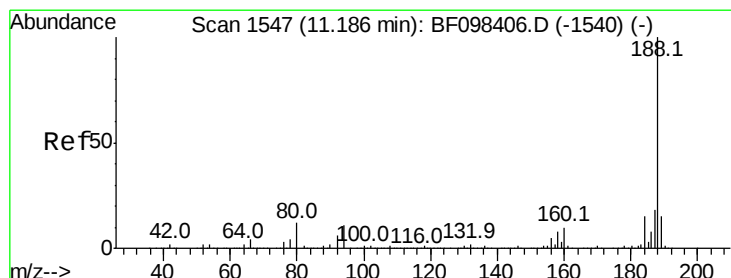
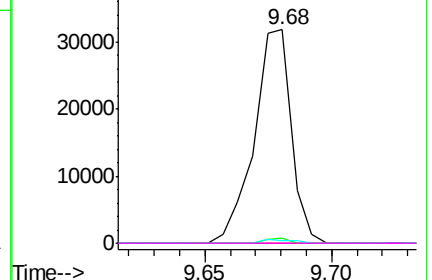
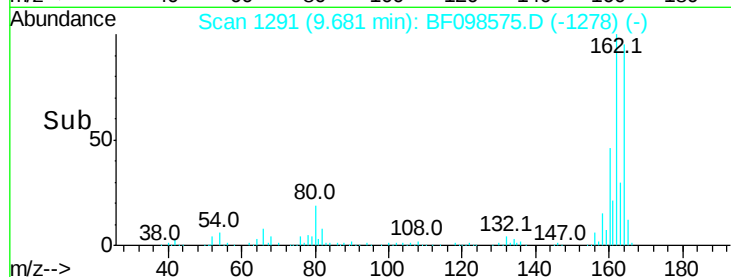


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.16 min Scan# 1543

Delta R.T. -0.02 min

Lab File: BF098575.D

Acq: 15 Sep 2017 18:11

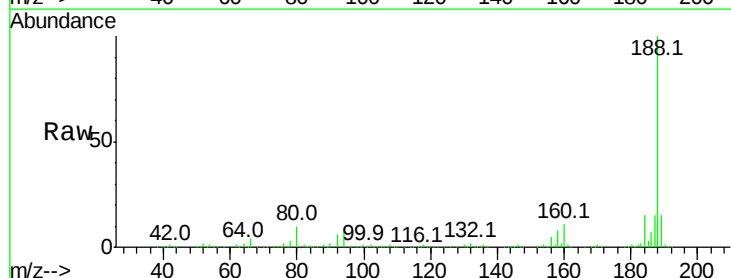
Tgt Ion:188 Resp: 500937

Ion Ratio Lower Upper

188 100

94 9.5 9.4 14.2

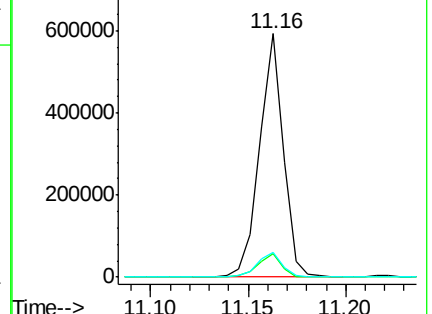
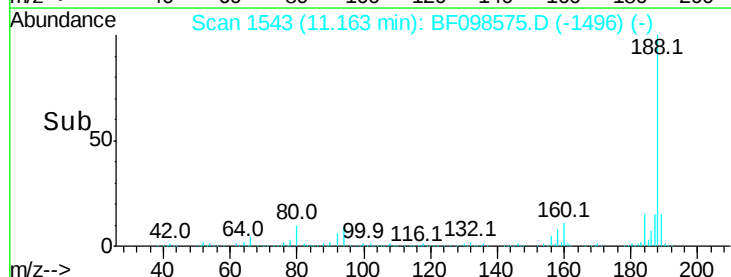
80 10.4 10.2 15.2

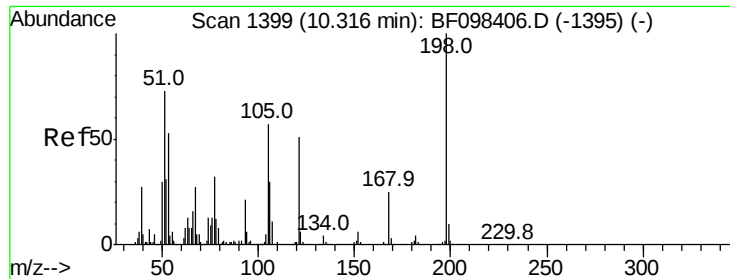


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.190 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.16 min

Lab File: BF098575.D

Acq: 15 Sep 2017 18:11

Instrument :

BNA_F

ClientSampleId :

PB102329BL

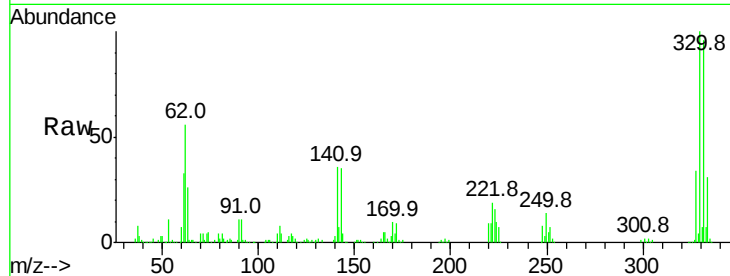
Tot Ion:198 Resp: 772

Ion Ratio Lower Upper

198 100

51 125.6 53.2 93.2#

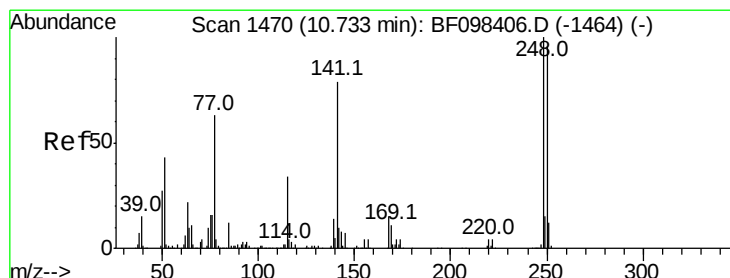
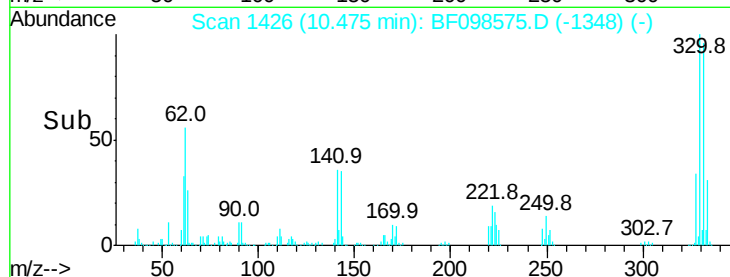
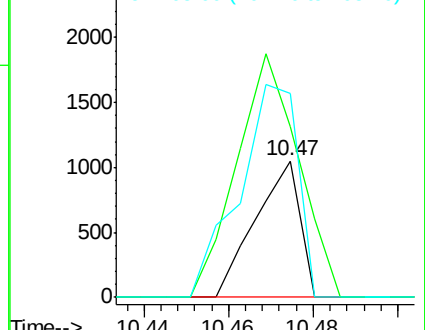
105 150.0 45.8 85.8#



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: 4.506 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.26 min

Lab File: BF098575.D

Acq: 15 Sep 2017 18:11

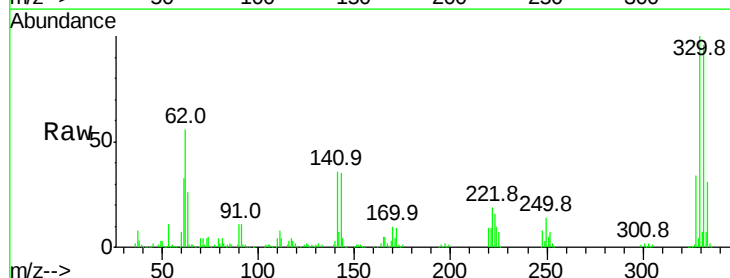
Tgt Ion:248 Resp: 21423

Ion Ratio Lower Upper

248 100

250 185.3 76.8 115.2#

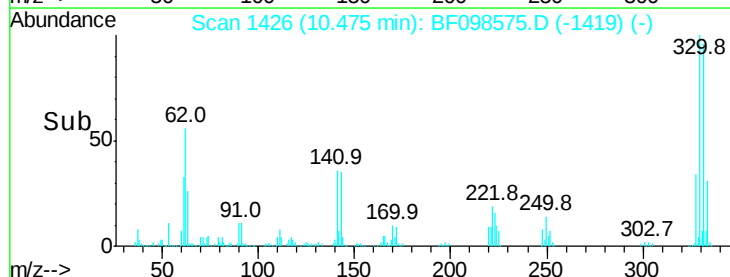
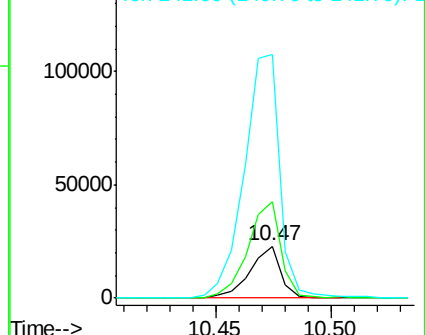
141 467.7 68.6 103.0#

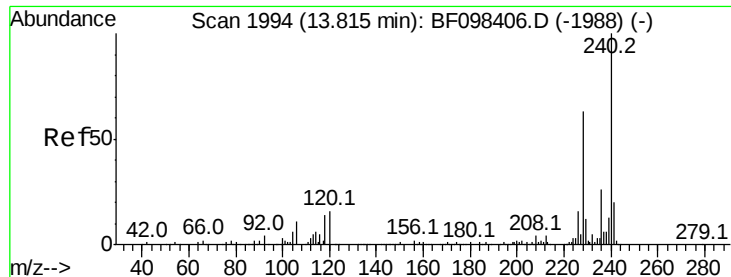


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.80 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BF098575.D

Acq: 15 Sep 2017 18:11

Instrument :

BNA_F

ClientSampleId :

PB102329BL

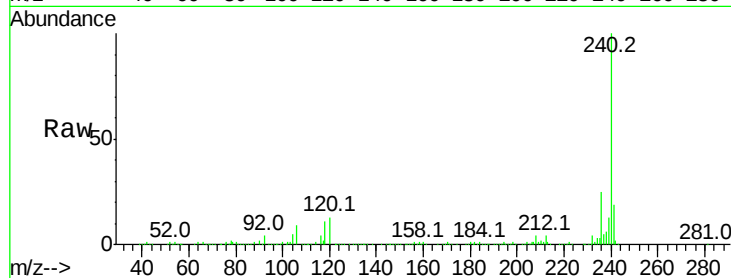
Tot Ion:240 Resp: 439222

Ion Ratio Lower Upper

240 100

120 12.6 5.8 8.8#

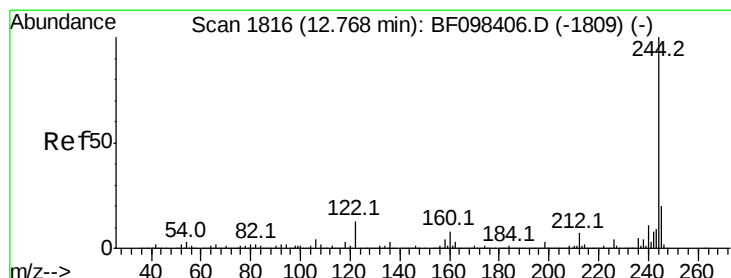
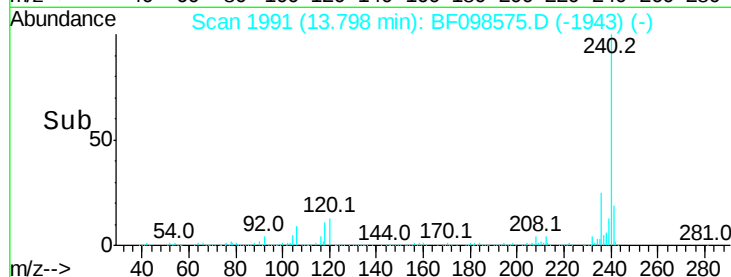
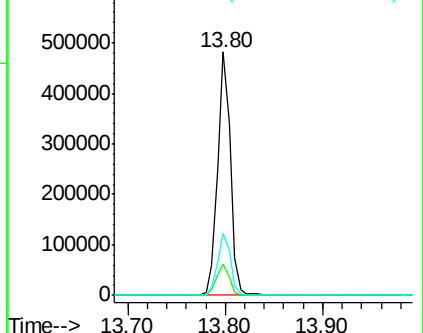
236 25.3 20.5 30.7



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: 70.400 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF098575.D

Acq: 15 Sep 2017 18:11

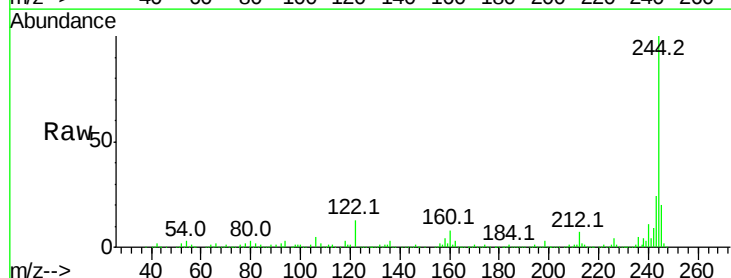
Tgt Ion:244 Resp: 1432560

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

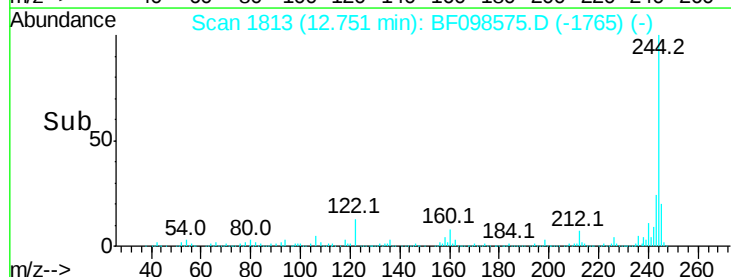
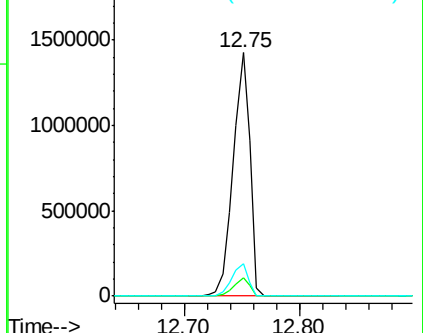
122 13.3 10.3 15.5

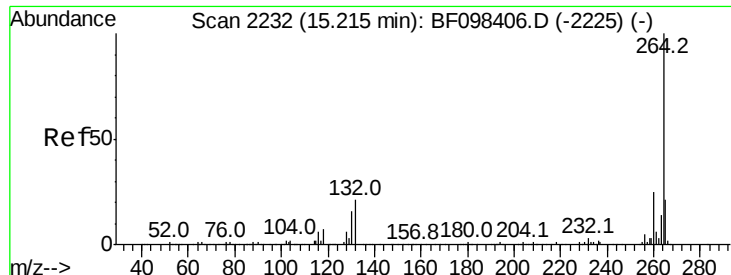


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

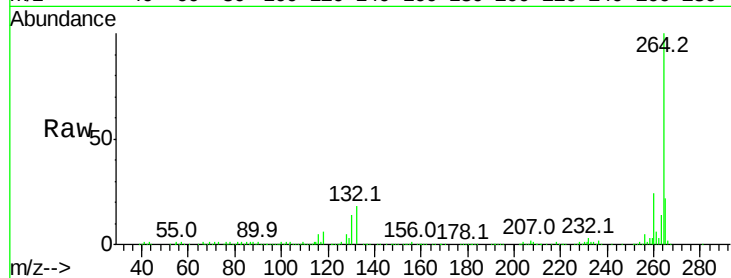




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.20 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BF098575.D
 Acq: 15 Sep 2017 18:11

Instrument :
 BNA_F
 ClientSampleId :
 PB102329BL

Tot Ion:	264	Resp:	371731
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.5	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

