

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031817\
 Data File : BF093738.D
 Acq On : 18 Mar 2017 7:48
 Operator : SJ/MA
 Sample : PB97641BL
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97641BL

Quant Time: Mar 20 01:04:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 18 05:21:29 2017
 Response via : Initial Calibration

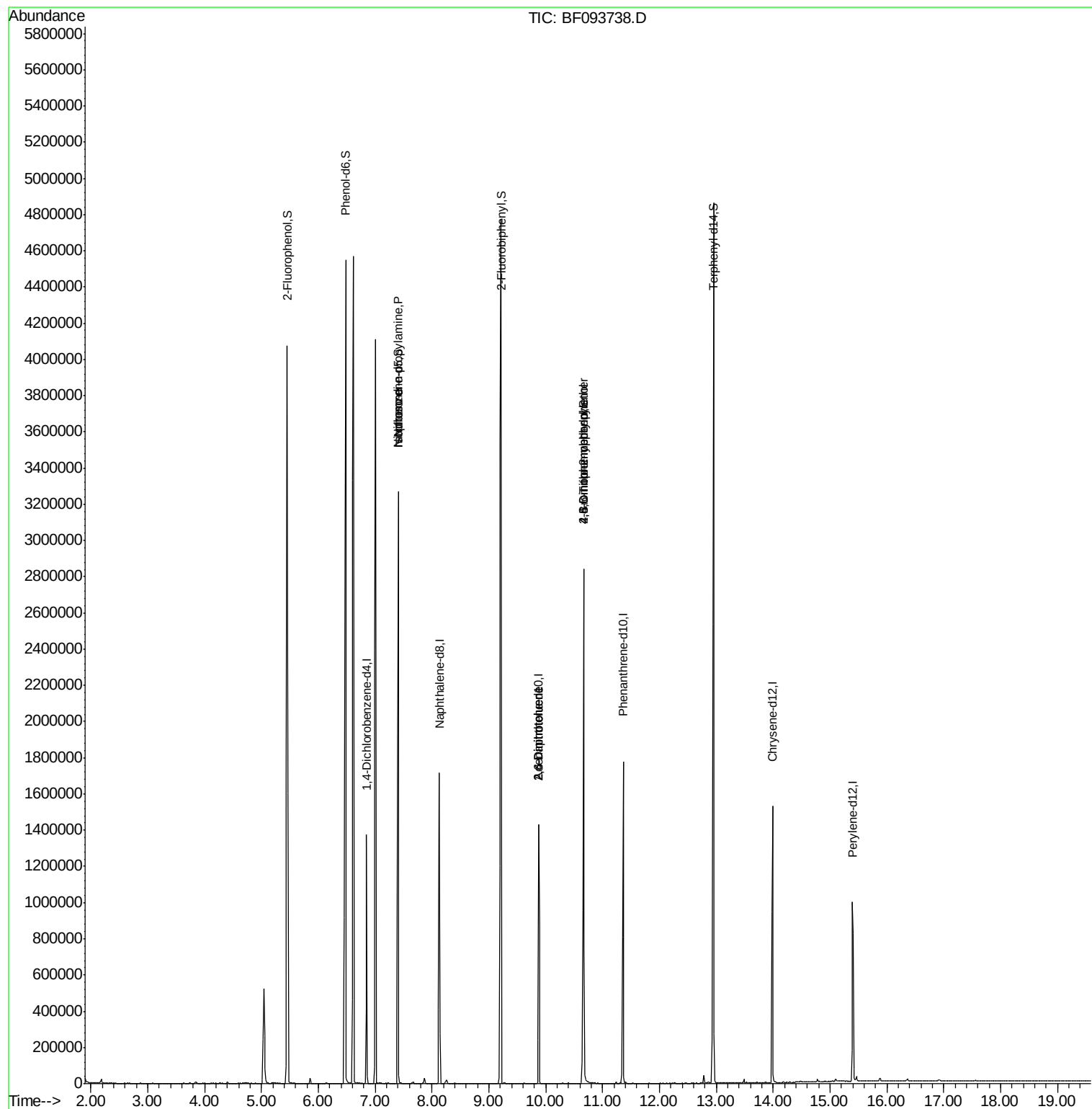
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	212427	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	820601	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	372098	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	722676	20.00	ng	0.00
75) Chrysene-d12	13.99	240	643152	20.00	ng	-0.01
86) Perylene-d12	15.40	264	504028	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1550843	121.72	ng	0.01
7) Phenol-d6	6.48	99	2118570	134.15	ng	0.00
23) Nitrobenzene-d5	7.41	82	1291369	94.45	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	385365	158.24	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	2245019	113.85	ng	0.00
78) Terphenyl-d14	12.95	244	1691064	56.59	ng	0.00
Target Compounds						
9) Benzaldehyde	6.48	77	3026	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.41	70	175197	16.71	ng	# 80
25) Isophorone	7.41	82	1230788	46.77	ng	# 67
50) 2,6-Dinitrotoluene	9.88	165	46923	8.94	ng	# 34
56) 2,4-Dinitrotoluene	9.88	165	46925	6.72	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.66	198	691	4.09	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	24701	3.62	ng	# 1

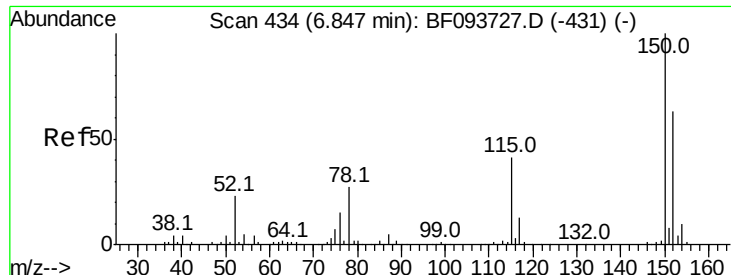
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF093738.D

Acq: 18 Mar 2017 7:48

Instrument :

BNA_F

ClientSampleId :

PB97641BL

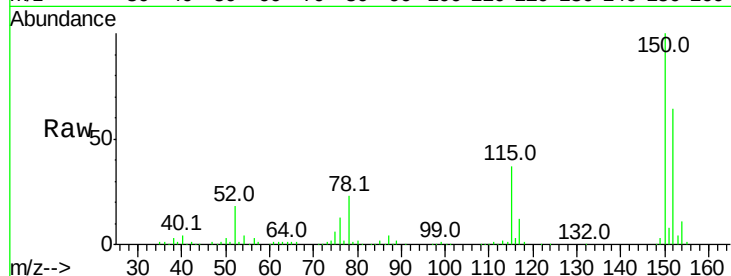
Tot Ion:152 Resp: 212427

Ion Ratio Lower Upper

152 100

150 155.8 126.2 189.2

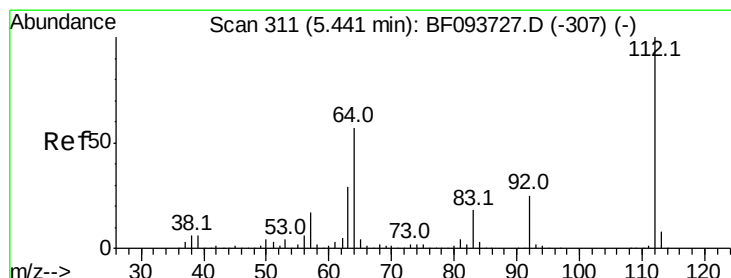
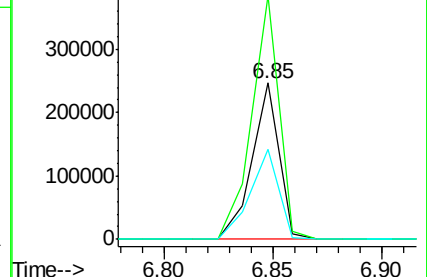
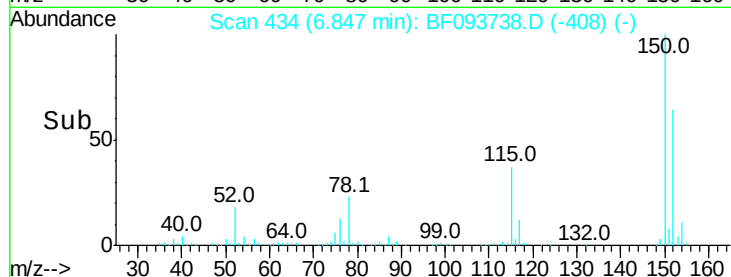
115 57.5 52.2 78.2



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: 121.72 ng

RT: 5.45 min Scan# 312

Delta R.T. 0.01 min

Lab File: BF093738.D

Acq: 18 Mar 2017 7:48

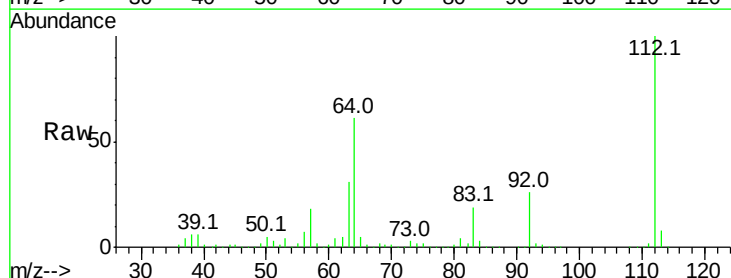
Tgt Ion:112 Resp: 1550843

Ion Ratio Lower Upper

112 100

64 60.7 46.0 69.0

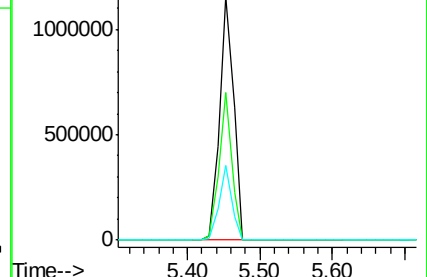
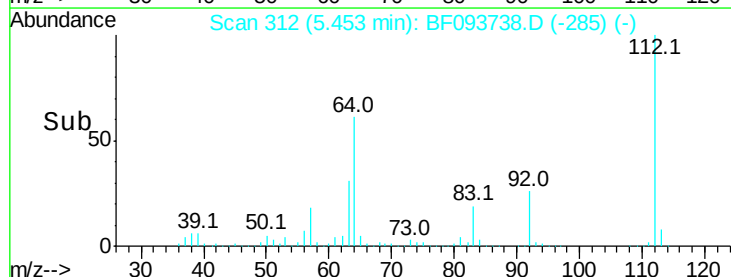
63 30.8 23.4 35.0

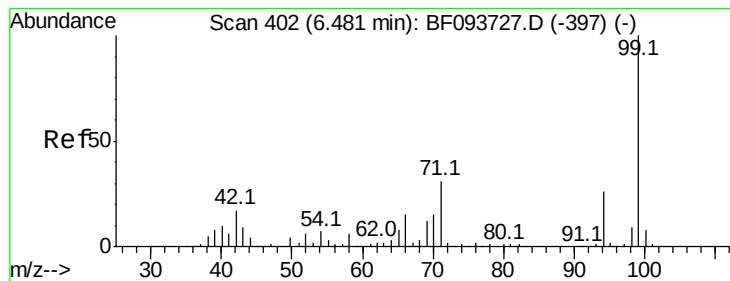


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 134.15 ng

RT: 6.48 min Scan# 402

Delta R.T. 0.00 min

Lab File: BF093738.D

Acq: 18 Mar 2017 7:48

Instrument :

BNA_F

ClientSampleId :

PB97641BL

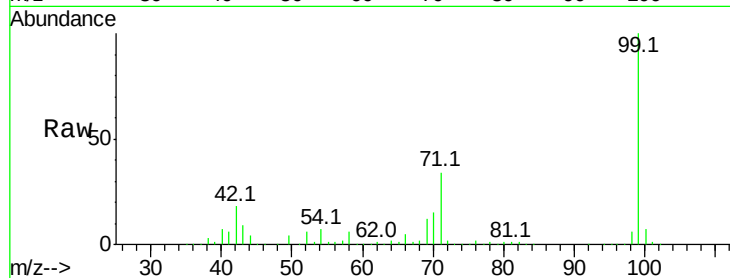
Tot Ion: 99 Resp: 2118570

Ion Ratio Lower Upper

99 100

42 17.8 13.5 20.3

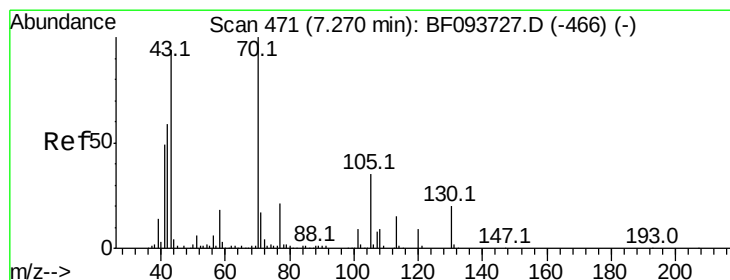
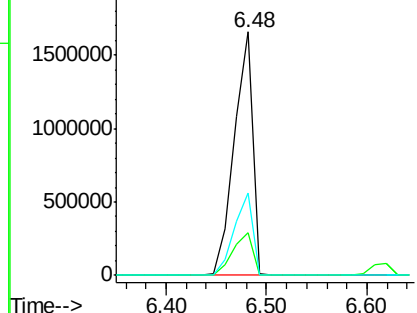
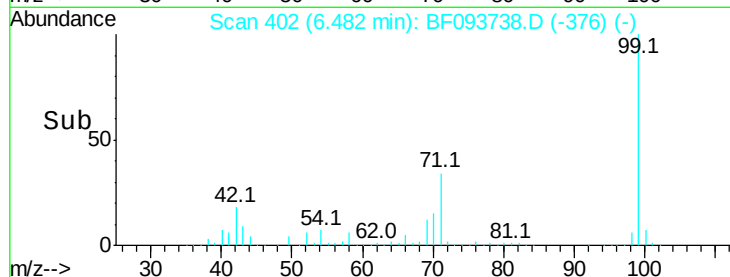
71 33.7 24.5 36.7



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: 16.71 ng

RT: 7.41 min Scan# 483

Delta R.T. 0.14 min

Lab File: BF093738.D

Acq: 18 Mar 2017 7:48

Tgt Ion: 70 Resp: 175197

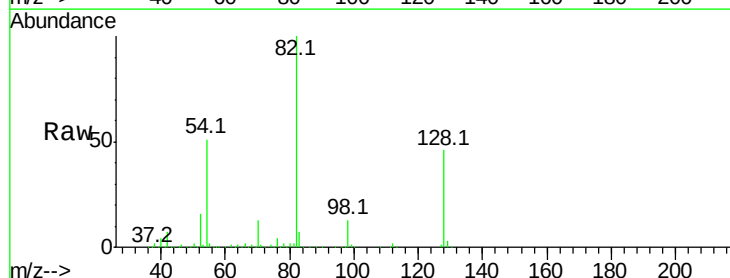
Ion Ratio Lower Upper

70 100

42 48.7 47.2 70.8

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

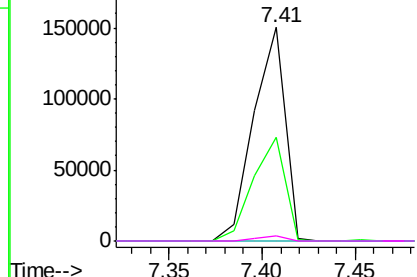
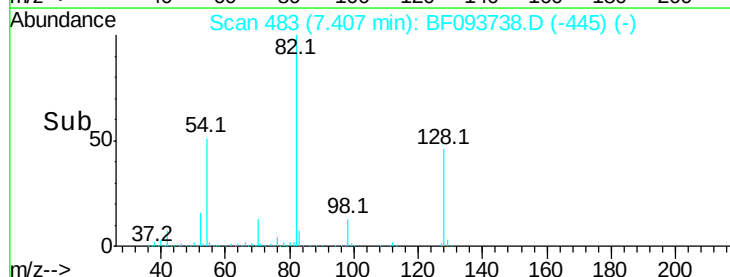


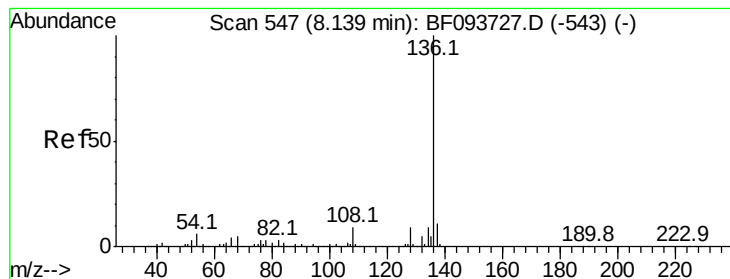
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 546

Delta R.T. -0.01 min

Lab File: BF093738.D

Acq: 18 Mar 2017 7:48

Instrument :

BNA_F

ClientSampleId :

PB97641BL

Tot Ion:136 Resp: 820601

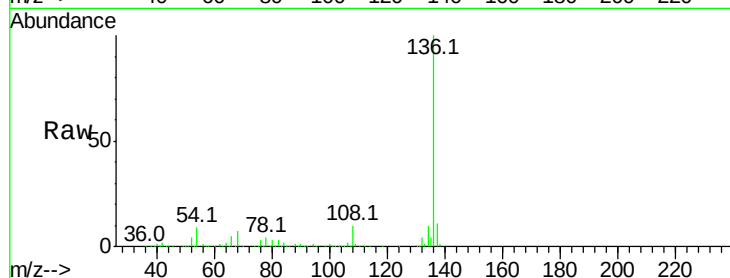
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 8.6 4.9 7.3#

68 6.8 4.1 6.1#

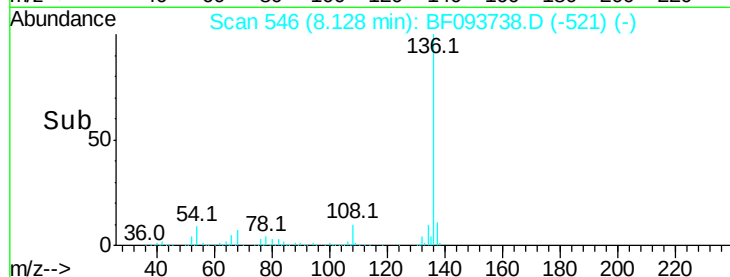


Abundance Ion 136.00 (135.70 to 136.70): E

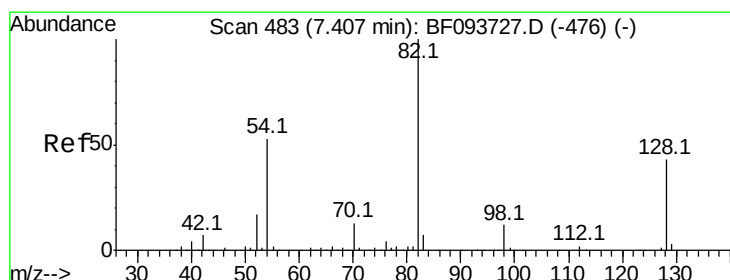
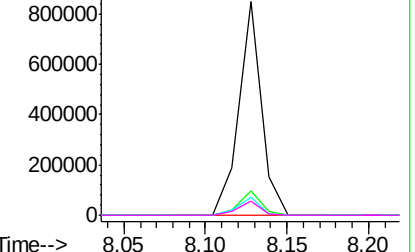
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 94.45 ng

RT: 7.41 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF093738.D

Acq: 18 Mar 2017 7:48

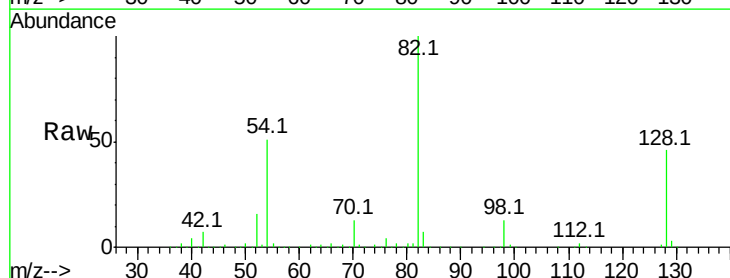
Tgt Ion: 82 Resp: 1291369

Ion Ratio Lower Upper

82 100

128 46.2 34.0 51.0

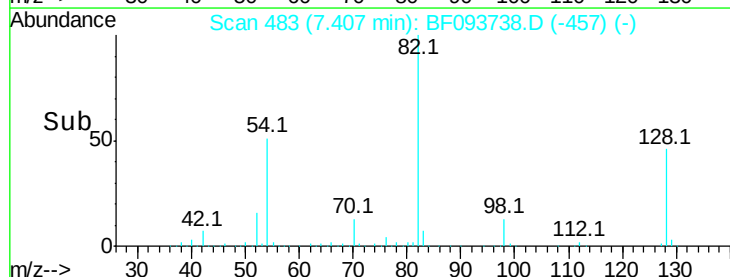
54 50.5 42.2 63.2



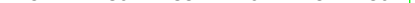
Abundance Ion 82.00 (81.70 to 82.70): BF0

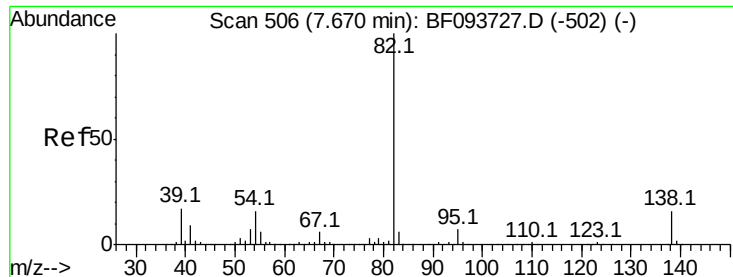
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 46.77 ng

RT: 7.41 min Scan# 483

Delta R.T. -0.26 min

Lab File: BF093738.D

Acq: 18 Mar 2017 7:48

Instrument :

BNA_F

ClientSampled :

PB97641BL

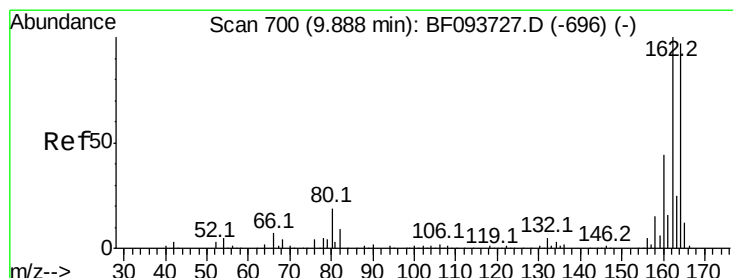
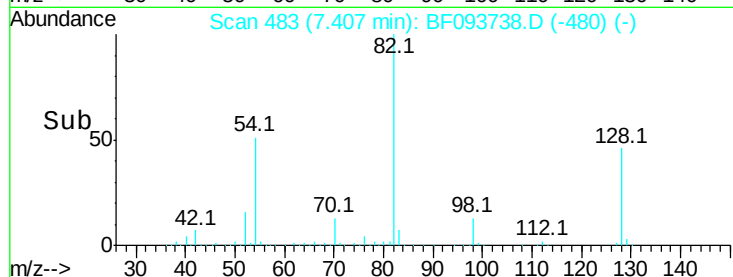
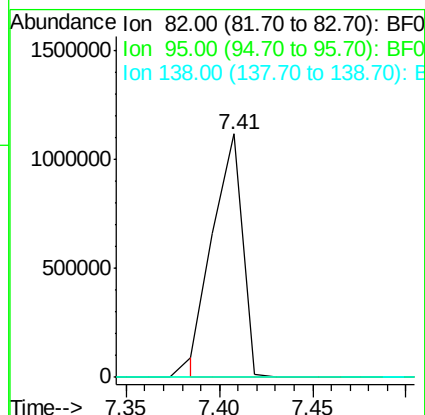
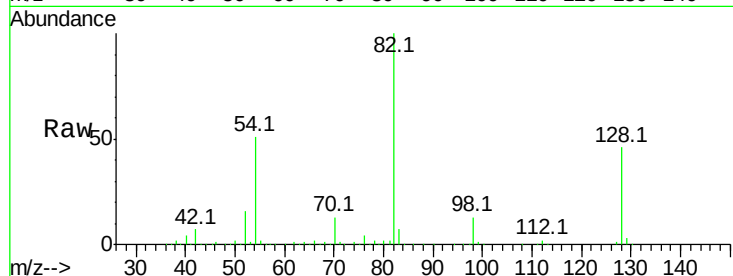
Tot Ion: 82 Resp: 1230788

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF093738.D

Acq: 18 Mar 2017 7:48

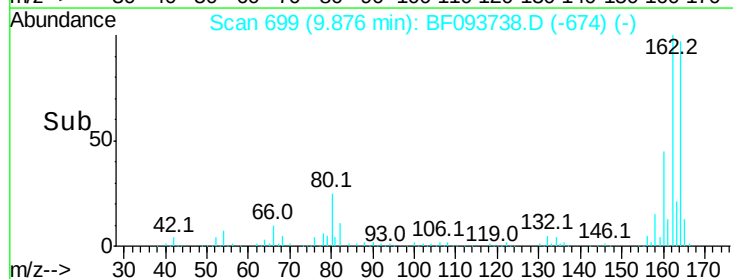
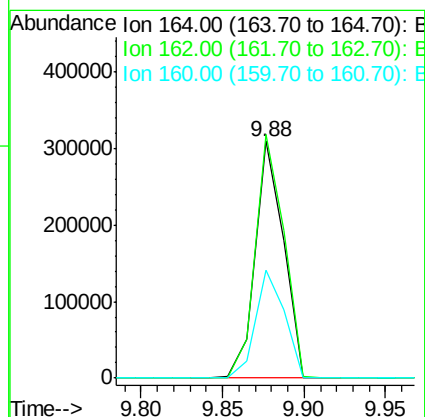
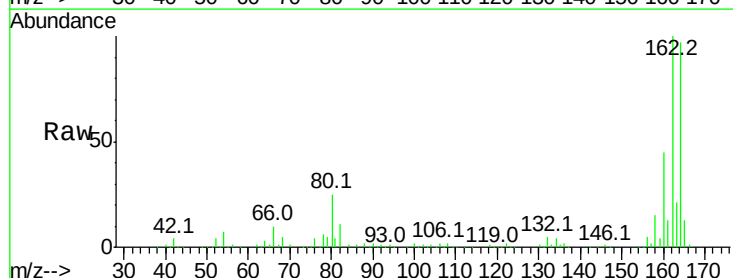
Tgt Ion:164 Resp: 372098

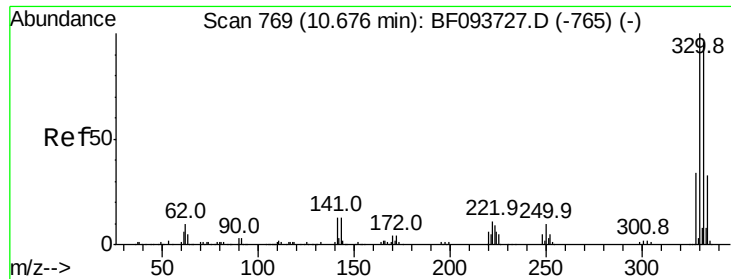
Ion Ratio Lower Upper

164 100

162 102.8 82.6 123.8

160 45.8 36.2 54.2

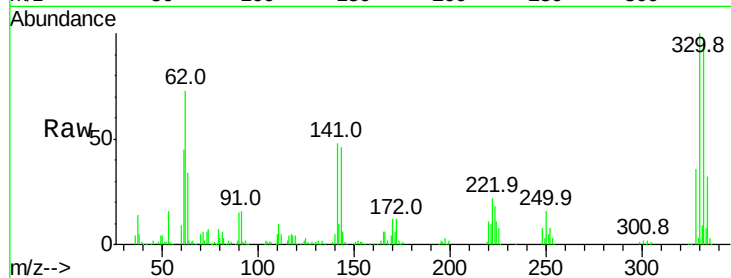




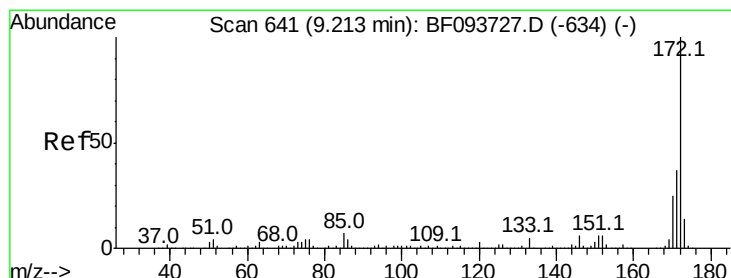
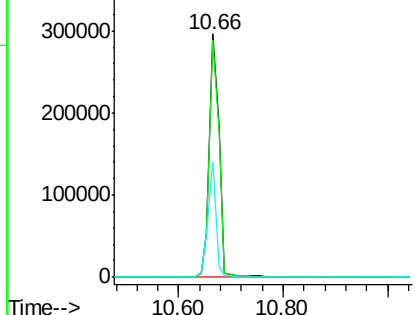
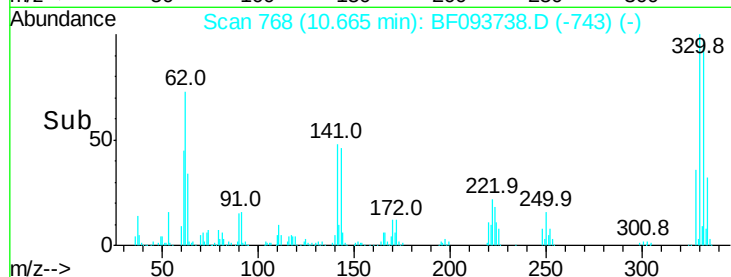
#41
 2,4,6-Tribromophenol
 Concen: 158.24 ng
 RT: 10.66 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF093738.D
 Acq: 18 Mar 2017 7:48

Instrument :
 BNA_F
 ClientSampleId :
 PB97641BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	115.0
141	39.5	31.4	47.2

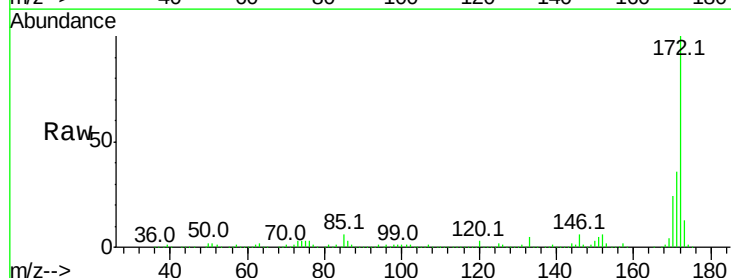


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

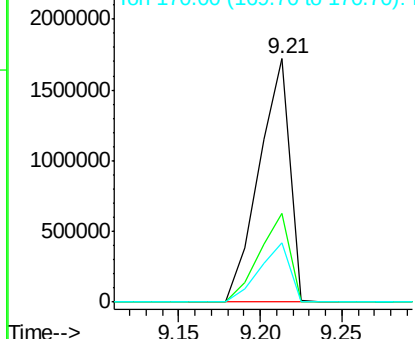
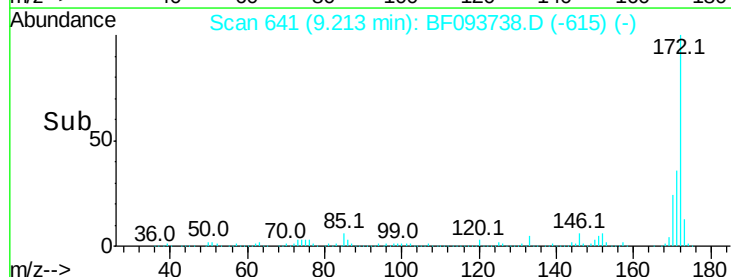


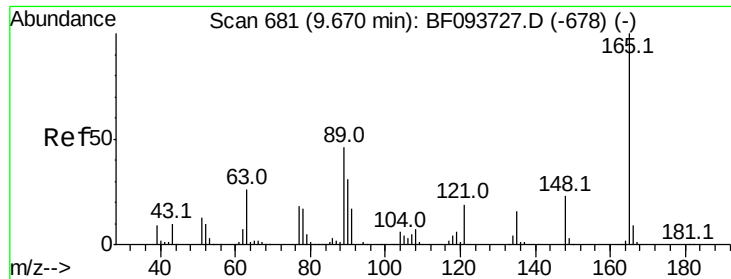
#44
 2-Fluorobiphenyl
 Concen: 113.85 ng
 RT: 9.21 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF093738.D
 Acq: 18 Mar 2017 7:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	24.5	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

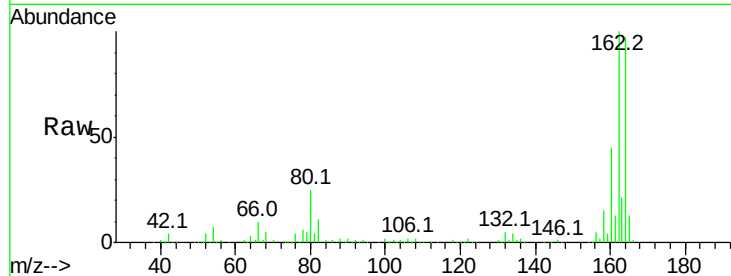




#50
 2,6-Dinitrotoluene
 Concen: 8.94 ng
 RT: 9.88 min Scan# 699
 Delta R.T. 0.21 min
 Lab File: BF093738.D
 Acq: 18 Mar 2017 7:48

Instrument :
 BNA_F
 ClientSampleId :
 PB97641BL

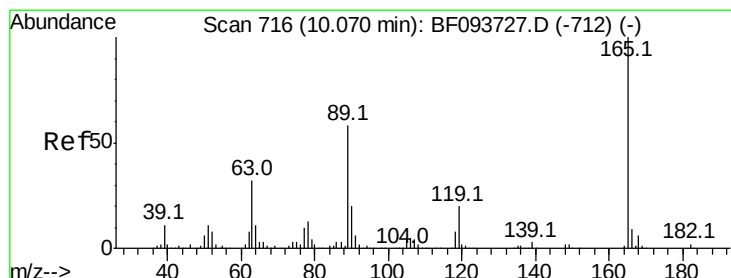
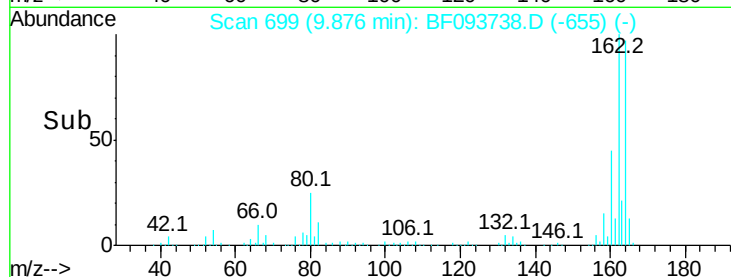
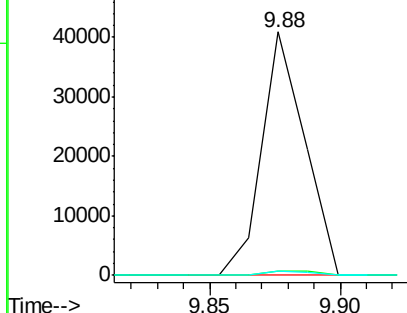
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	34.3	51.5#
89	1.7	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

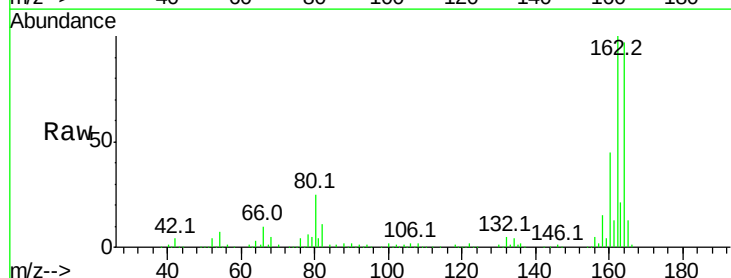
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.72 ng
 RT: 9.88 min Scan# 699
 Delta R.T. -0.19 min
 Lab File: BF093738.D
 Acq: 18 Mar 2017 7:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	25.4	38.0#
89	1.7	46.4	69.6#
182	0.0	1.8	2.6#

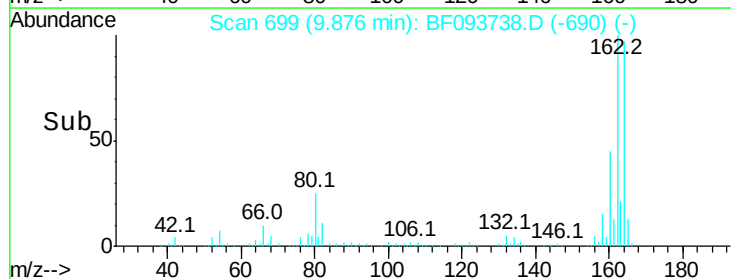
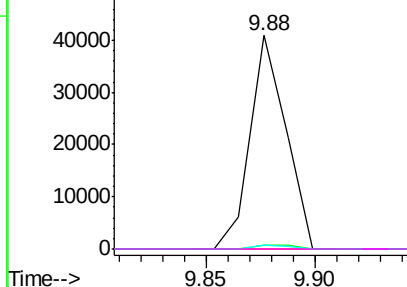


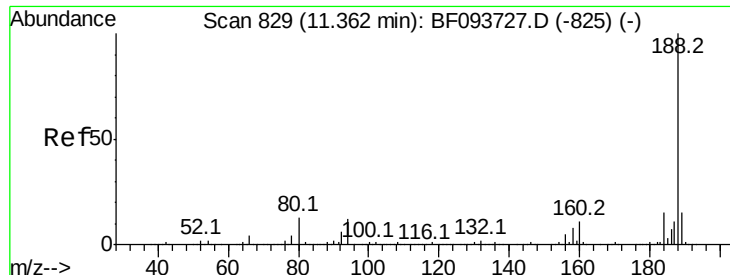
Abundance Ion 165.00 (164.70 to 165.70): E

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

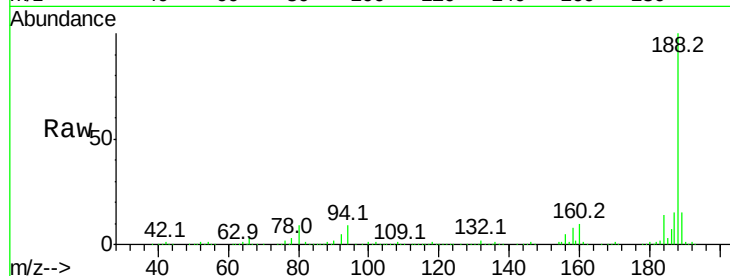




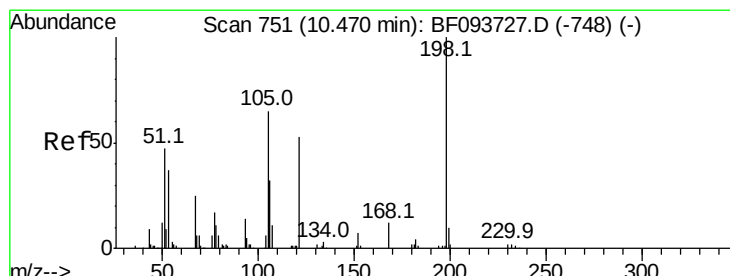
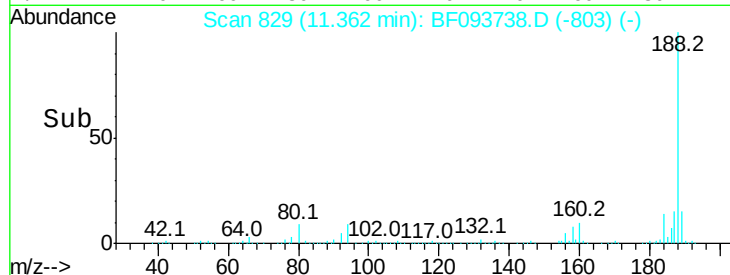
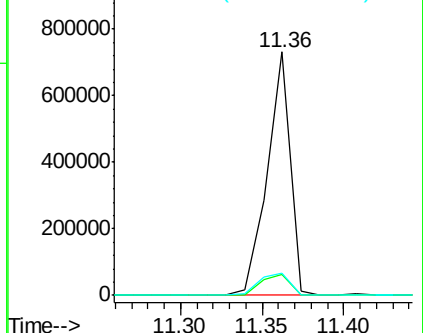
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 829
 Delta R.T. 0.00 min
 Lab File: BF093738.D
 Acq: 18 Mar 2017 7:48

Instrument :
 BNA_F
 ClientSampleId :
 PB97641BL

Tot Ion:188 Resp: 722676
 Ion Ratio Lower Upper
 188 100
 94 8.6 9.4 14.2#
 80 9.0 10.2 15.2#

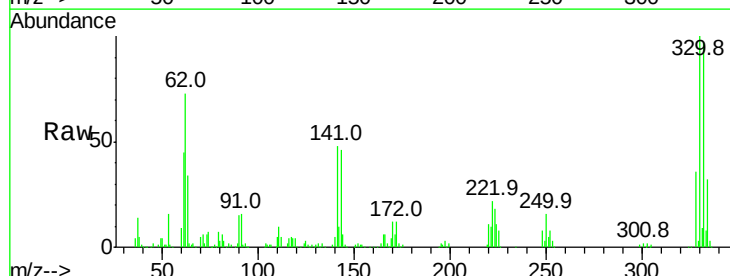


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

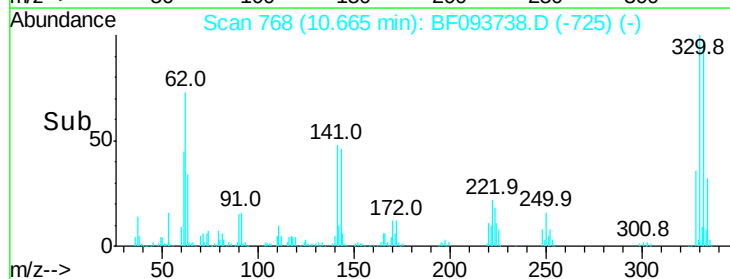
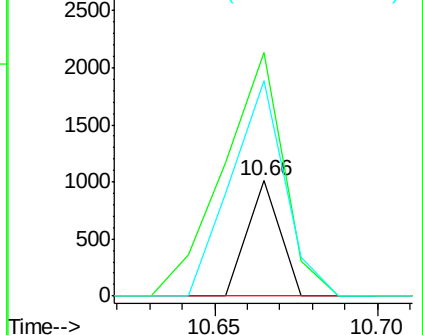


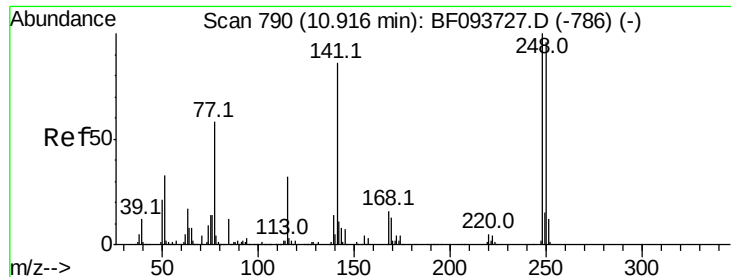
#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.09 ng
 RT: 10.66 min Scan# 768
 Delta R.T. 0.19 min
 Lab File: BF093738.D
 Acq: 18 Mar 2017 7:48

Tgt Ion:198 Resp: 691
 Ion Ratio Lower Upper
 198 100
 51 211.6 53.2 93.2#
 105 187.8 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: 3.62 ng

RT: 10.66 min Scan# 768

Delta R.T. -0.25 min

Lab File: BF093738.D

Acq: 18 Mar 2017 7:48

Instrument :

BNA_F

ClientSampleId :

PB97641BL

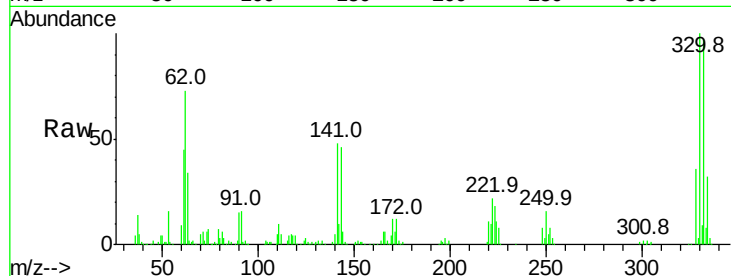
Tot Ion:248 Resp: 24701

Ion Ratio Lower Upper

248 100

250 207.5 76.8 115.2#

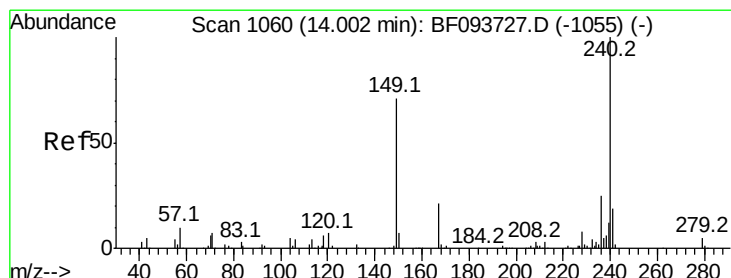
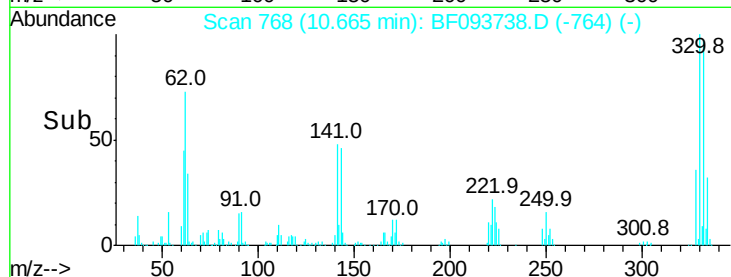
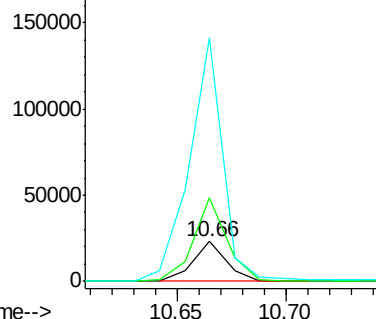
141 608.6 68.6 103.0#



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: 20.00 ng

RT: 13.99 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF093738.D

Acq: 18 Mar 2017 7:48

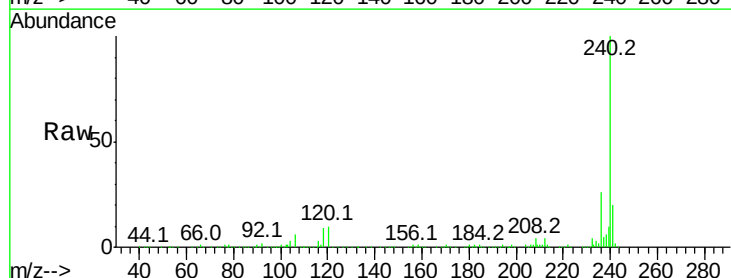
Tgt Ion:240 Resp: 643152

Ion Ratio Lower Upper

240 100

120 10.1 5.8 8.8#

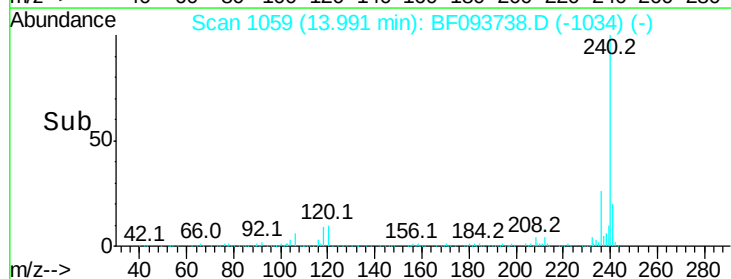
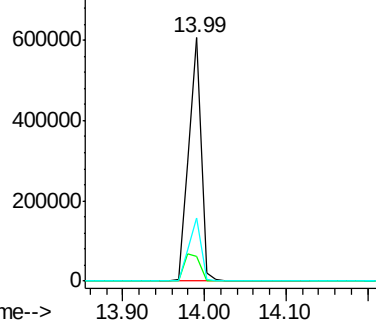
236 26.1 20.5 30.7

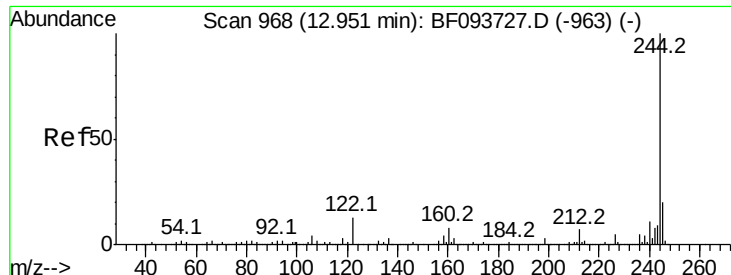


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

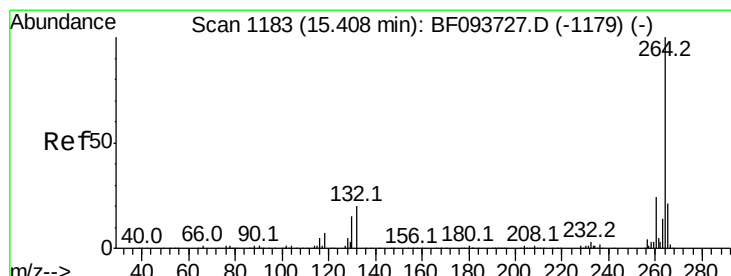
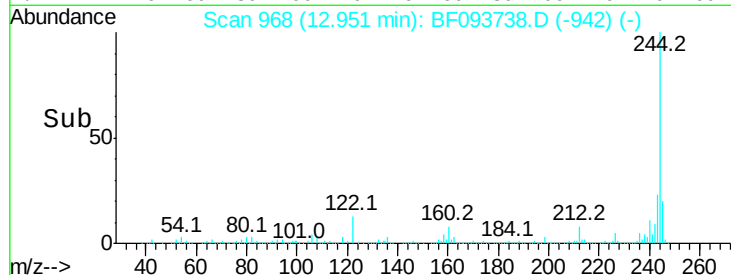
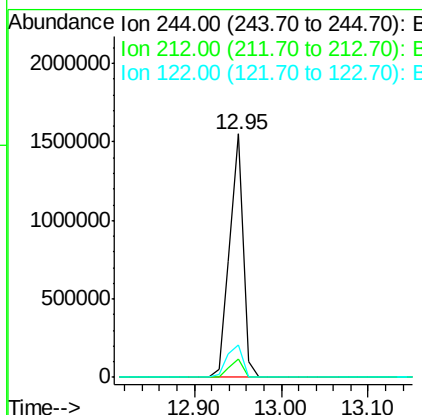
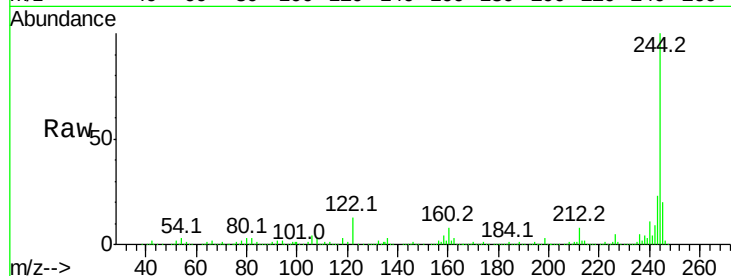




#78
 Terphenyl-d14
 Concen: 56.59 ng
 RT: 12.95 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: BF093738.D
 Acq: 18 Mar 2017 7:48

Instrument :
 BNA_F
 ClientSampleId :
 PB97641BL

Tot Ion:244 Resp: 1691064
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 13.2 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF093738.D
 Acq: 18 Mar 2017 7:48

Tgt Ion:264 Resp: 504028
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.5 29.3
 265 21.6 17.2 25.8

