

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031817\
 Data File : BF093746.D
 Acq On : 18 Mar 2017 11:44
 Operator : SJ/MA
 Sample : I2263-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-102S

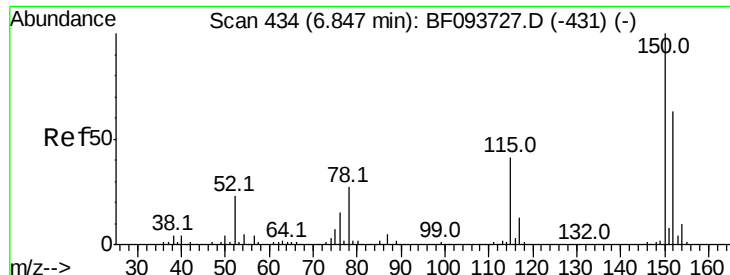
Quant Time: Mar 20 01:06:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 18 05:21:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	209934	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	812589	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	376811	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	724944	20.00	ng	0.00
75) Chrysene-d12	13.99	240	631028	20.00	ng	-0.01
86) Perylene-d12	15.41	264	491368	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	776492	61.67	ng	0.00
7) Phenol-d6	6.47	99	695491	44.56	ng	-0.01
23) Nitrobenzene-d5	7.41	82	1204087	88.93	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	398633	161.64	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	2151846	107.76	ng	0.00
78) Terphenyl-d14	12.95	244	1682808	57.40	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.47	77	1164	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.41	70	162608	15.69	ng	81
25) Isophorone	7.41	82	1173683	45.04	ng	67
27) 2,4-Dimethylphenol	7.83	122	30603	2.41	ng	5
32) Benzoic acid	7.83	122	30603	7.45	ng	97
50) 2,6-Dinitrotoluene	9.88	165	47272	8.89	ng	33
56) 2,4-Dinitrotoluene	9.88	165	47274	6.68	ng	33
64) 4,6-Dinitro-2-methylphenol	10.66	198	1018	4.17	ng	1
66) 4-Bromophenyl-phenylether	10.66	248	25641	3.74	ng	1

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

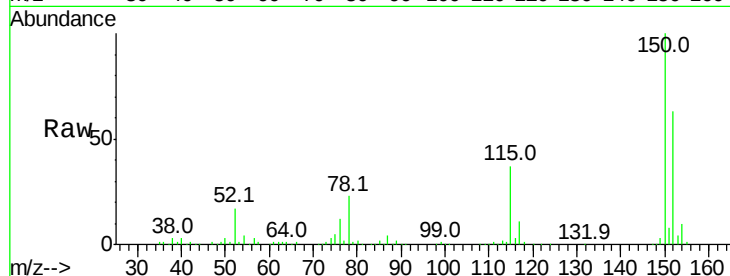


#1

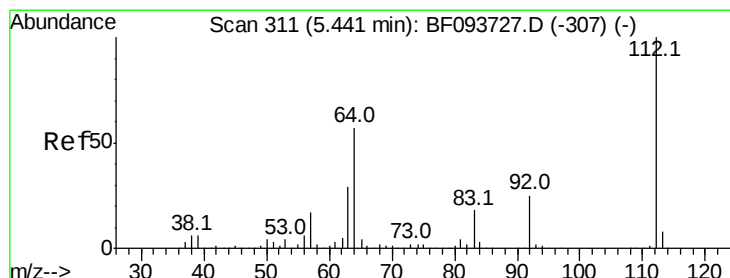
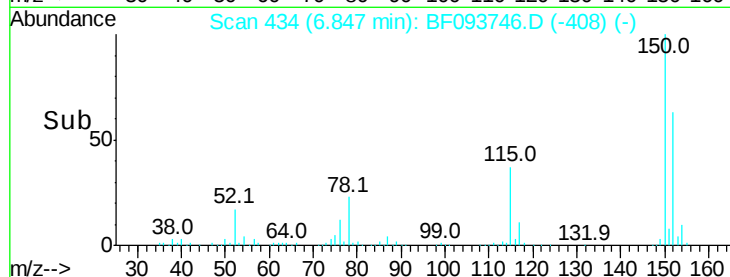
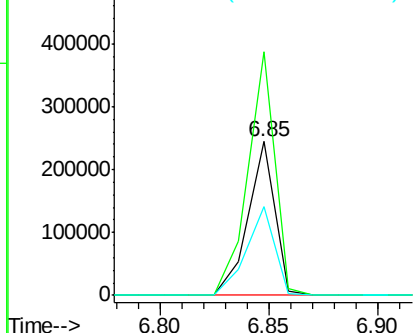
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 434
Delta R.T. 0.00 min
Lab File: BF093746.D
Acq: 18 Mar 2017 11:44

Instrument :
BNA_F
ClientSampleId :
MW-102S

Tot Ion:152 Resp: 209934
Ion Ratio Lower Upper
152 100
150 158.1 126.2 189.2
115 58.0 52.2 78.2



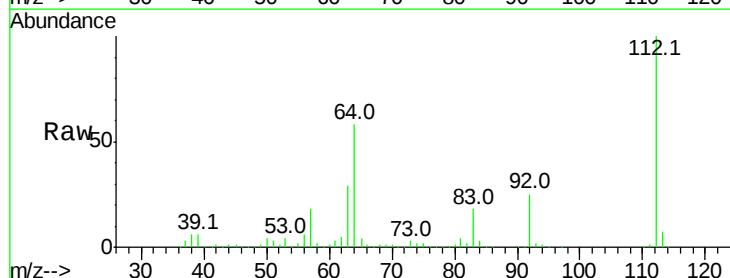
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



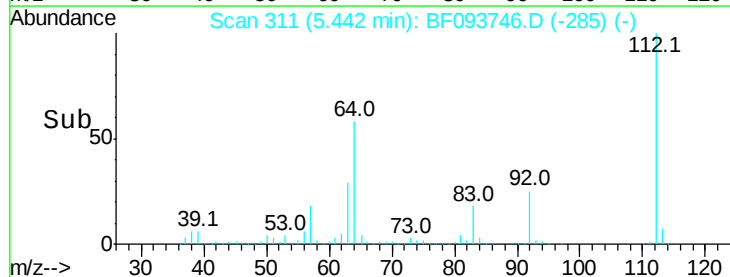
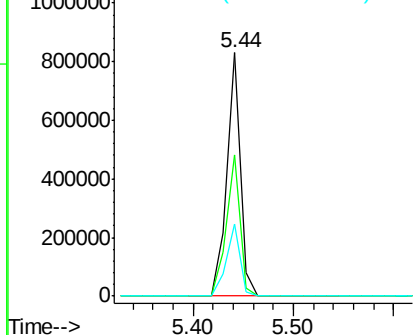
#5

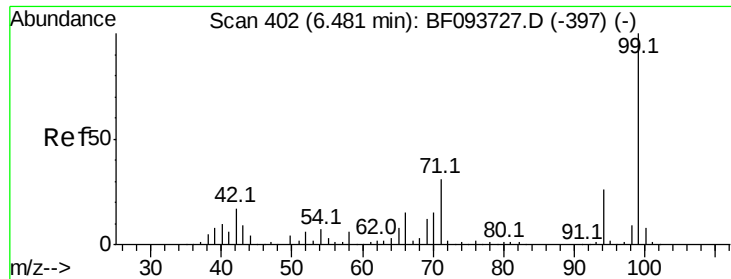
2-Fluorophenol
Concen: 61.67 ng
RT: 5.44 min Scan# 311
Delta R.T. 0.00 min
Lab File: BF093746.D
Acq: 18 Mar 2017 11:44

Tgt Ion:112 Resp: 776492
Ion Ratio Lower Upper
112 100
64 58.2 46.0 69.0
63 29.4 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: 44.56 ng

RT: 6.47 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF093746.D

Acq: 18 Mar 2017 11:44

Instrument :

BNA_F

ClientSampleId :

MW-102S

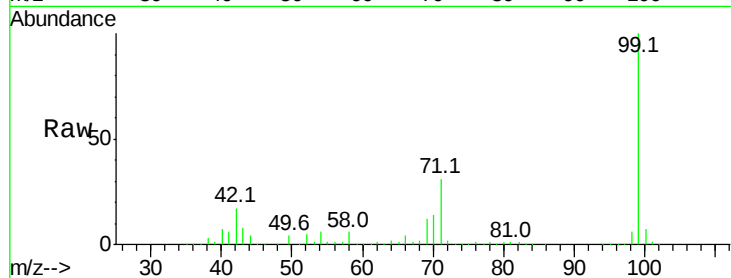
Tot Ion: 99 Resp: 695491

Ion Ratio Lower Upper

99 100

42 16.7 13.5 20.3

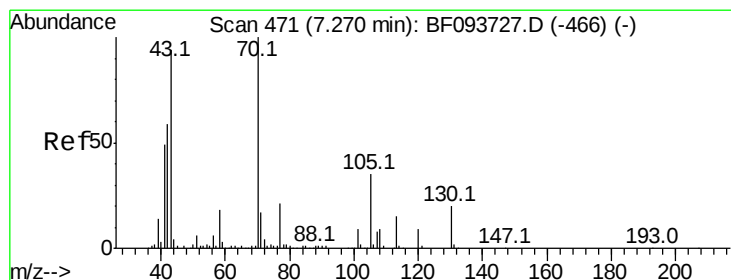
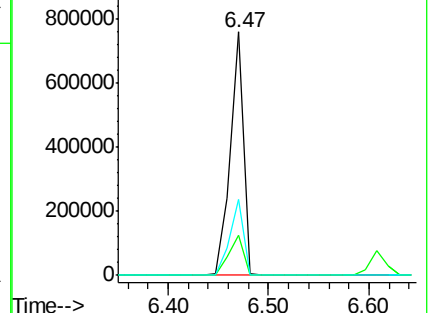
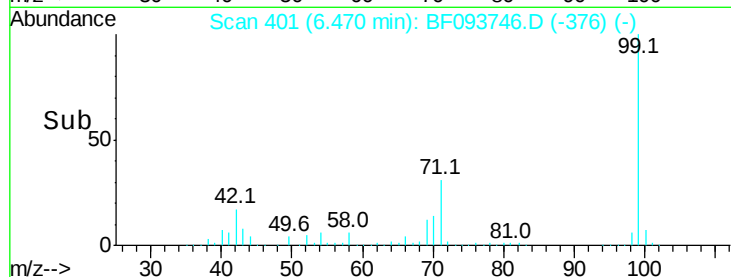
71 31.1 24.5 36.7



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: 15.69 ng

RT: 7.41 min Scan# 483

Delta R.T. 0.14 min

Lab File: BF093746.D

Acq: 18 Mar 2017 11:44

Tgt Ion: 70 Resp: 162608

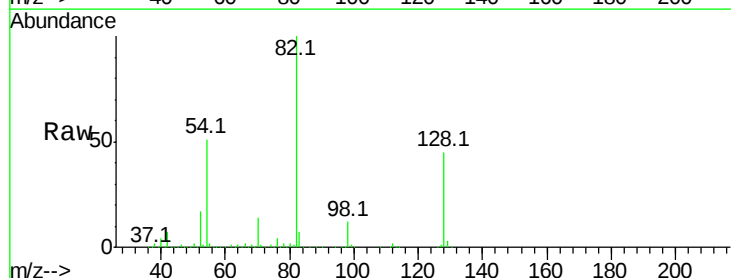
Ion Ratio Lower Upper

70 100

42 50.3 47.2 70.8

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

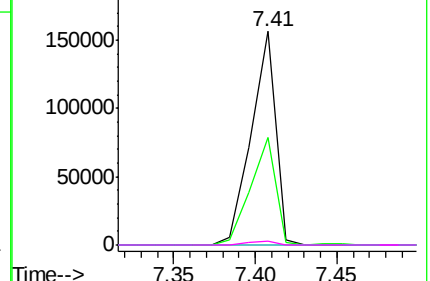
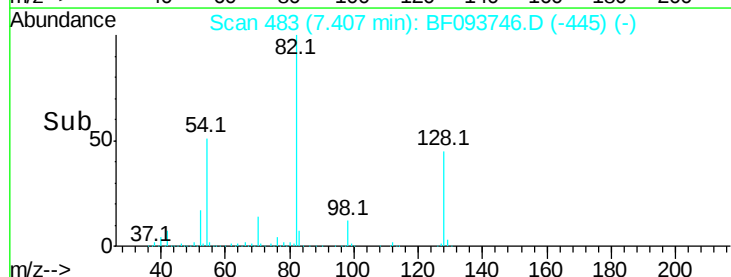


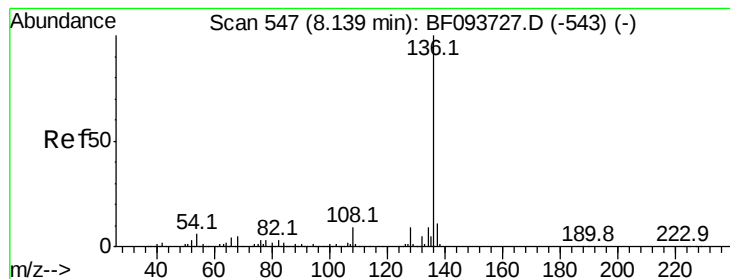
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.00 ng

RT: 8.13 min Scan# 546

Delta R.T. -0.01 min

Lab File: BF093746.D

Acq: 18 Mar 2017 11:44

Instrument :

BNA_F

ClientSampleId :

MW-102S

Tot Ion:136 Resp: 812589

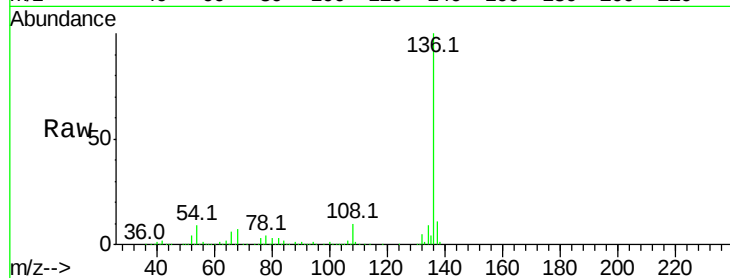
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 8.9 4.9 7.3#

68 7.0 4.1 6.1#

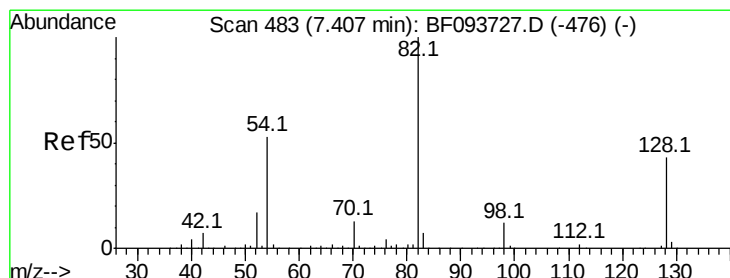
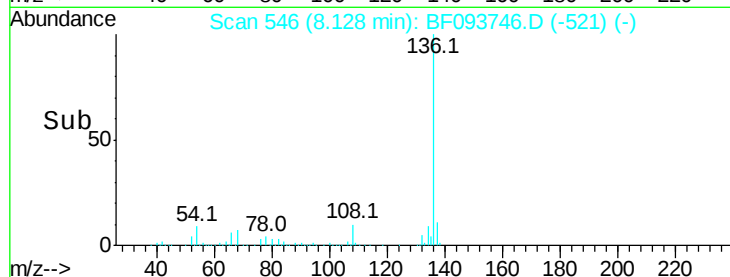
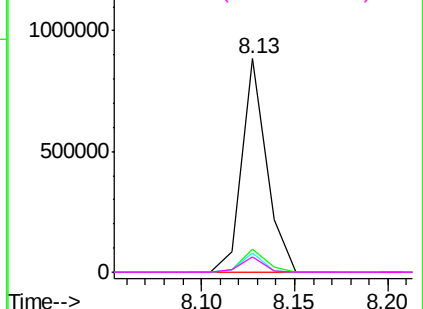


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.93 ng

RT: 7.41 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF093746.D

Acq: 18 Mar 2017 11:44

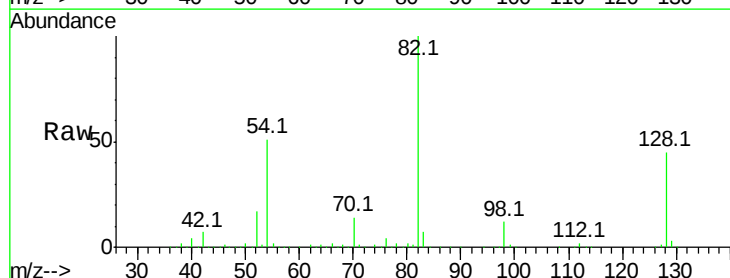
Tgt Ion: 82 Resp: 1204087

Ion Ratio Lower Upper

82 100

128 45.0 34.0 51.0

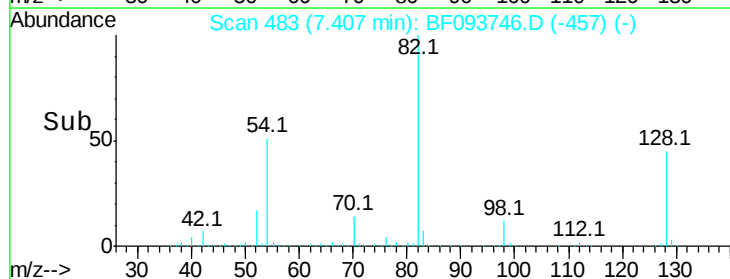
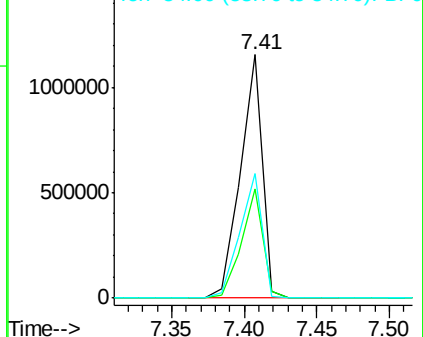
54 51.4 42.2 63.2

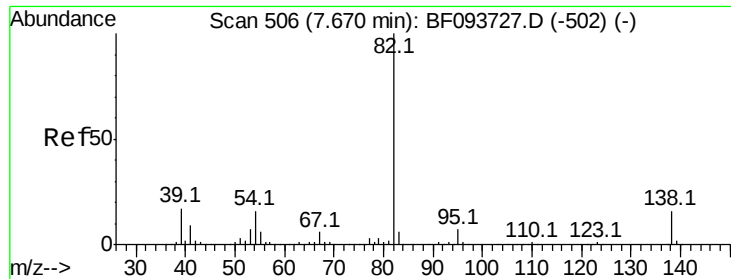


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 45.04 ng

RT: 7.41 min Scan# 483

Delta R.T. -0.26 min

Lab File: BF093746.D

Acq: 18 Mar 2017 11:44

Instrument :

BNA_F

ClientSampleId :

MW-102S

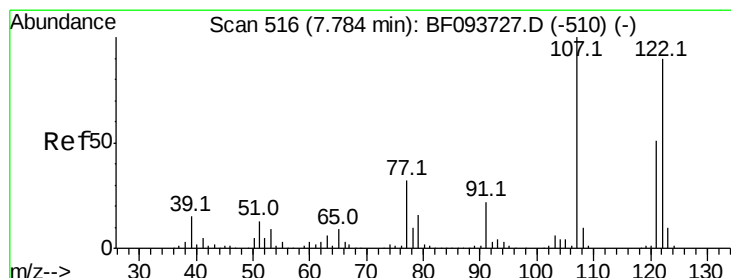
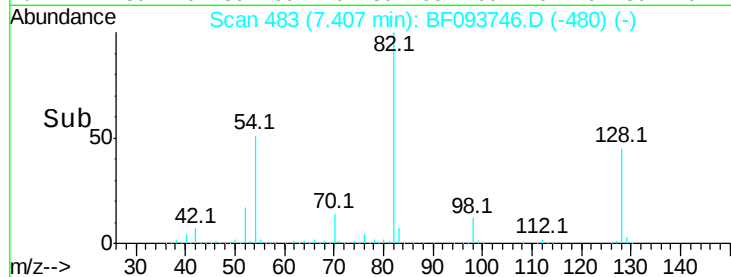
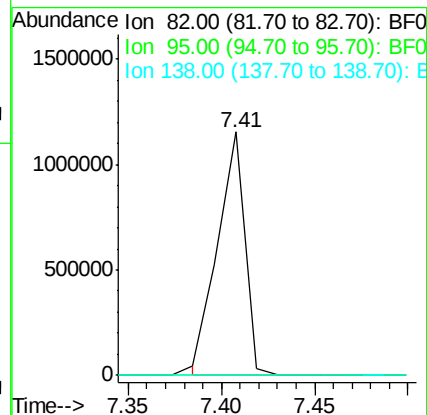
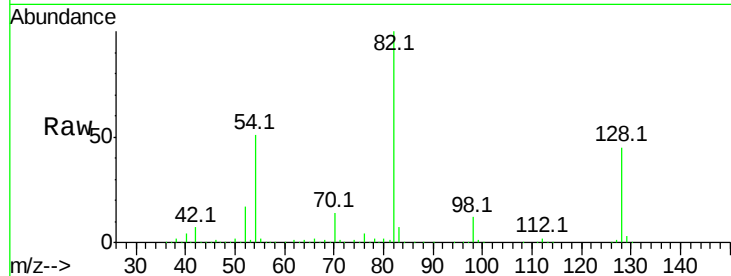
Tot Ion: 82 Resp: 1173683

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#27

2,4-Dimethylphenol

Concen: 2.41 ng

RT: 7.83 min Scan# 520

Delta R.T. 0.05 min

Lab File: BF093746.D

Acq: 18 Mar 2017 11:44

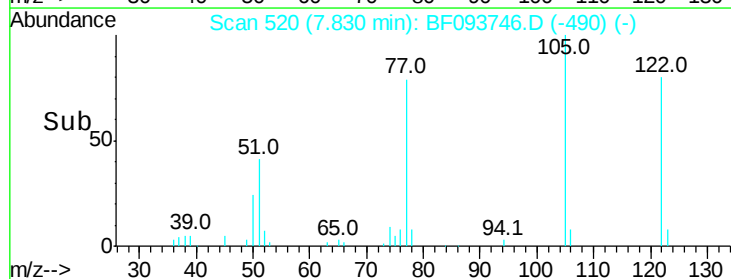
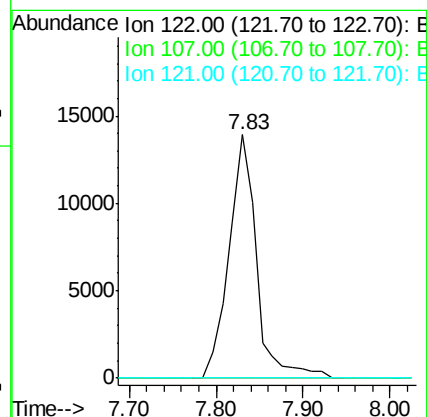
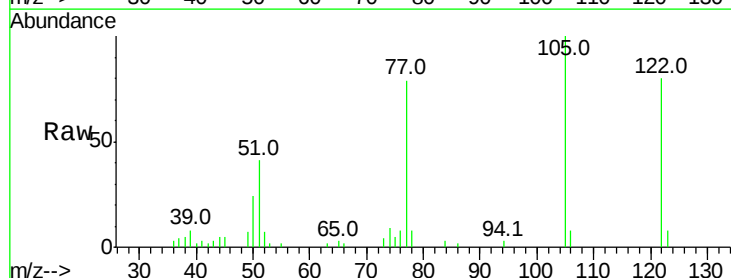
Tgt Ion:122 Resp: 30603

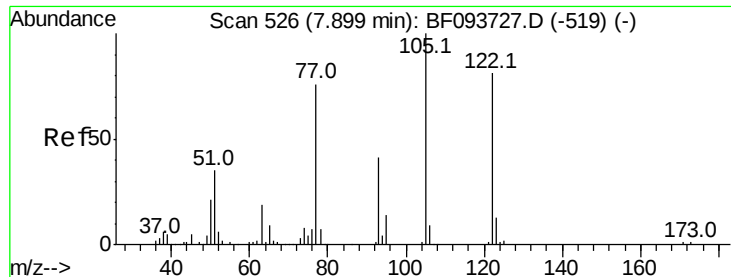
Ion Ratio Lower Upper

122 100

107 0.0 89.2 133.8#

121 0.0 45.2 67.8#

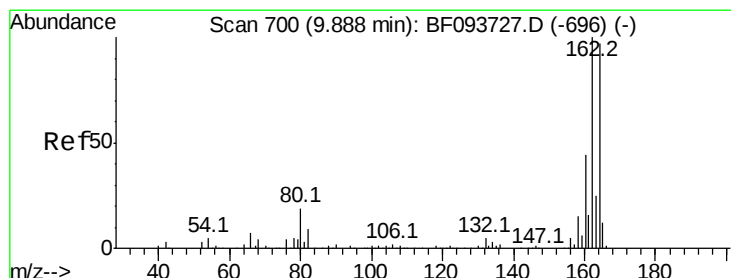
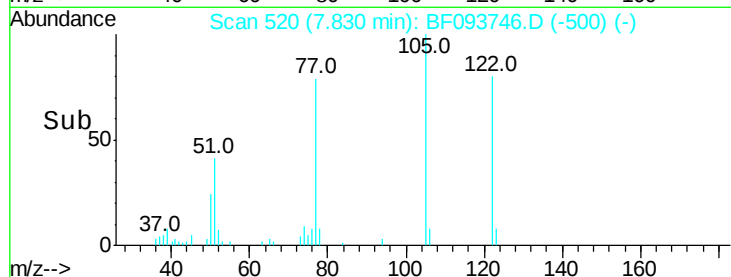
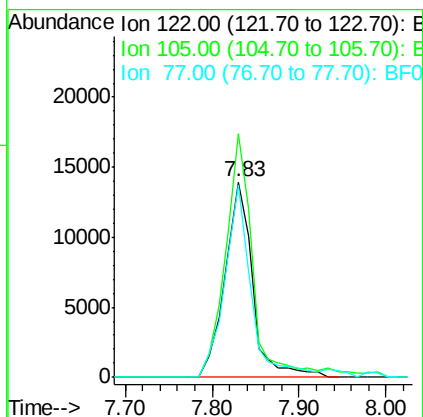
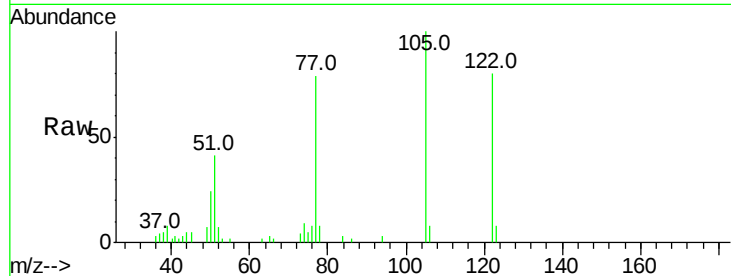




#32
Benzoic acid
Concen: 7.45 ng
RT: 7.83 min Scan# 520
Delta R.T. -0.07 min
Lab File: BF093746.D
Acq: 18 Mar 2017 11:44

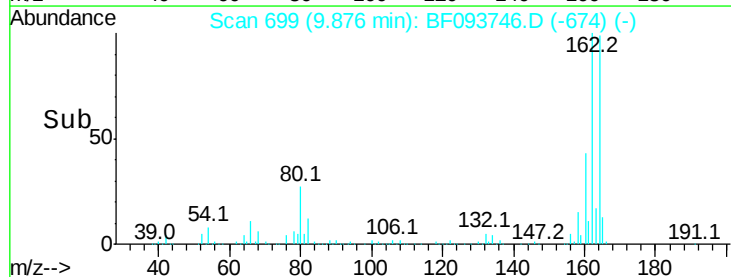
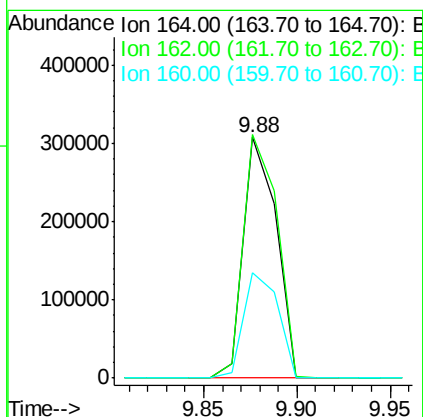
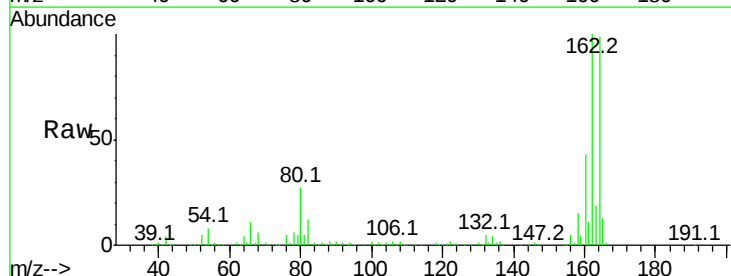
Instrument :
BNA_F
ClientSampleId :
MW-102S

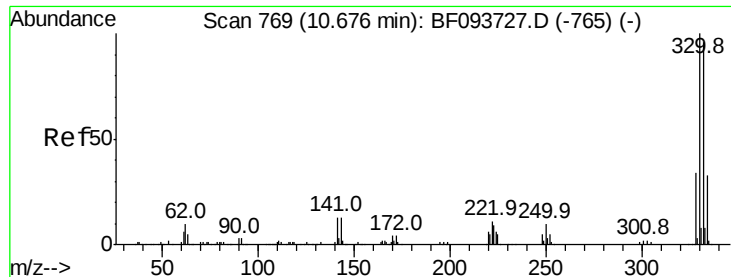
Tot Ion	Ratio	Lower	Upper
122	100		
105	124.8	103.3	143.3
77	98.4	73.7	113.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF093746.D
Acq: 18 Mar 2017 11:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.6	123.8
160	43.7	36.2	54.2

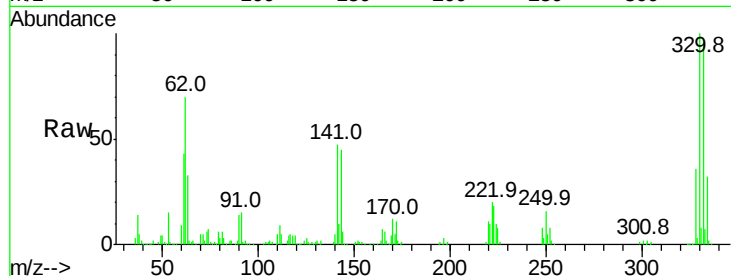




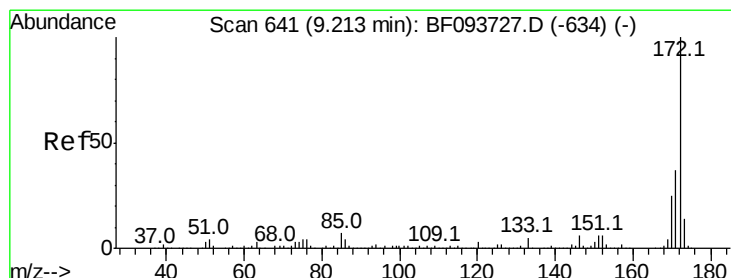
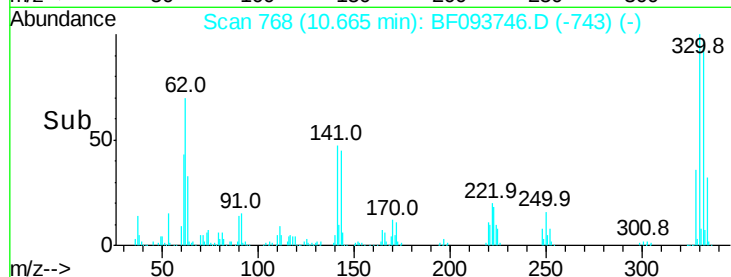
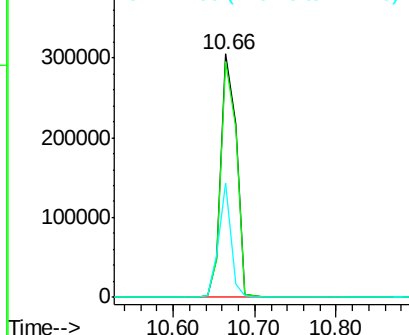
#41
 2,4,6-Tribromophenol
 Concen: 161.64 ng
 RT: 10.66 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF093746.D
 Acq: 18 Mar 2017 11:44

Instrument :
 BNA_F
 ClientSampleId :
 MW-102S

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	115.0
141	37.8	31.4	47.2

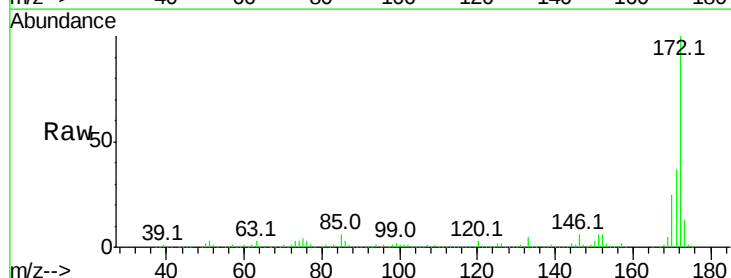


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

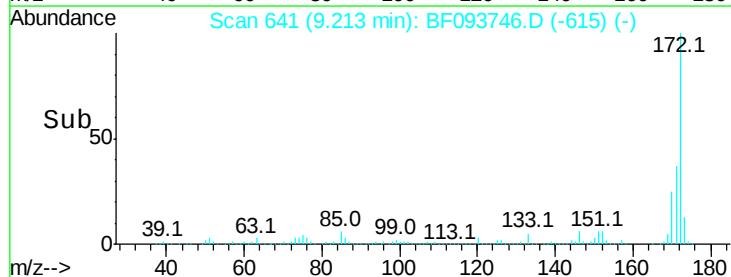
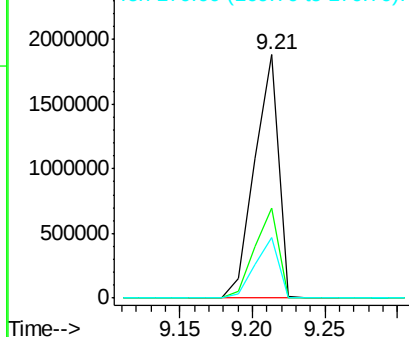


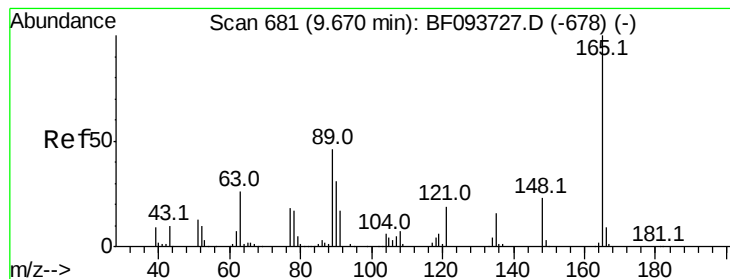
#44
 2-Fluorobiphenyl
 Concen: 107.76 ng
 RT: 9.21 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF093746.D
 Acq: 18 Mar 2017 11:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.6	44.4
170	24.9	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: 8.89 ng

RT: 9.88 min Scan# 699

Delta R.T. 0.21 min

Lab File: BF093746.D

Acq: 18 Mar 2017 11:44

Instrument :

BNA_F

ClientSampled :

MW-102S

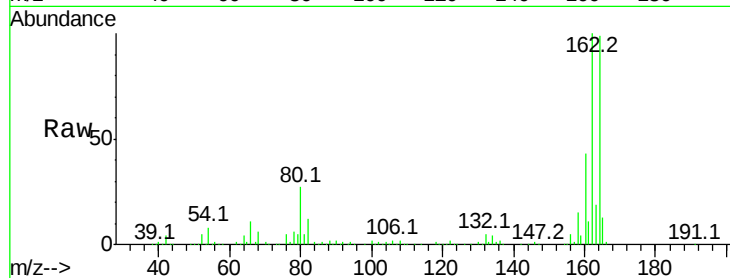
Tot Ion:165 Resp: 47272

Ion Ratio Lower Upper

165 100

63 1.3 34.3 51.5#

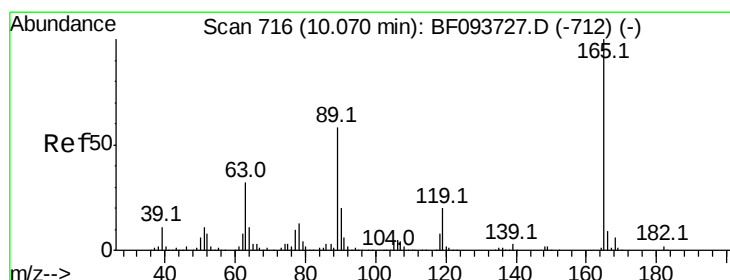
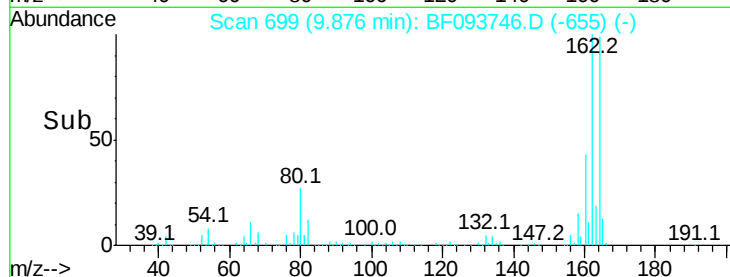
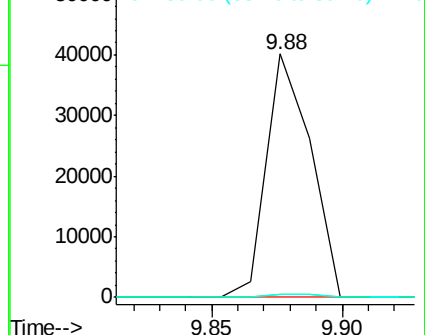
89 1.0 37.1 55.7#



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: 6.68 ng

RT: 9.88 min Scan# 699

Delta R.T. -0.19 min

Lab File: BF093746.D

Acq: 18 Mar 2017 11:44

Tgt Ion:165 Resp: 47274

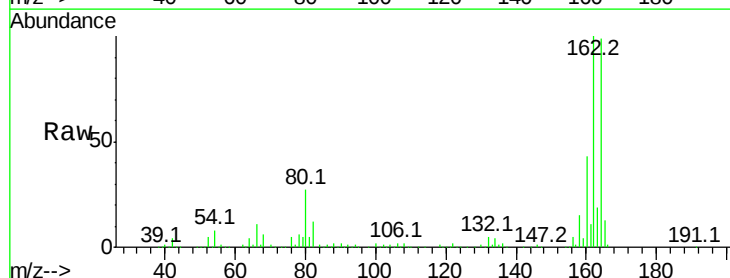
Ion Ratio Lower Upper

165 100

63 1.3 25.4 38.0#

89 1.0 46.4 69.6#

182 0.0 1.8 2.6#

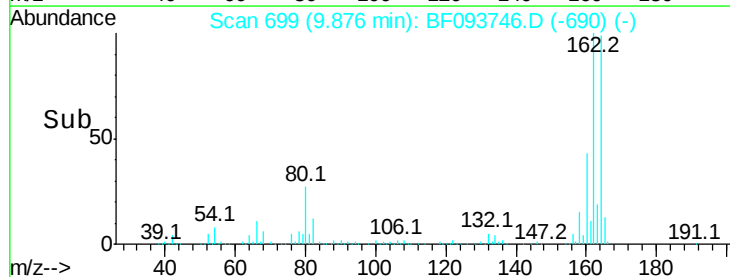
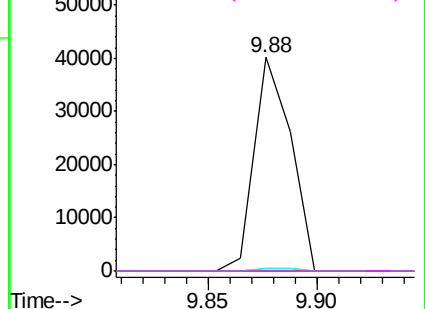


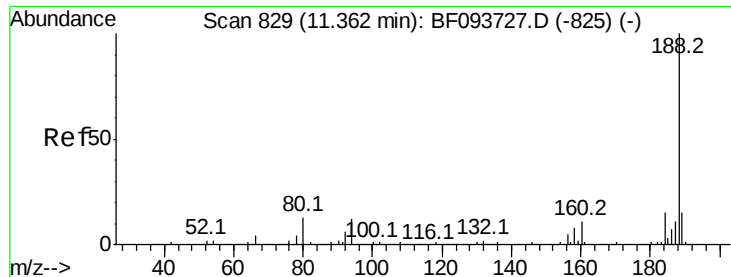
Abundance Ion 165.00 (164.70 to 165.70): E

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

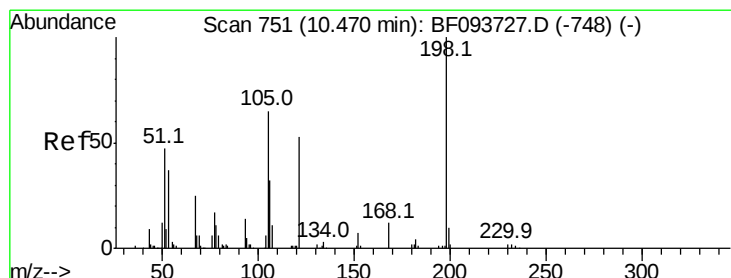
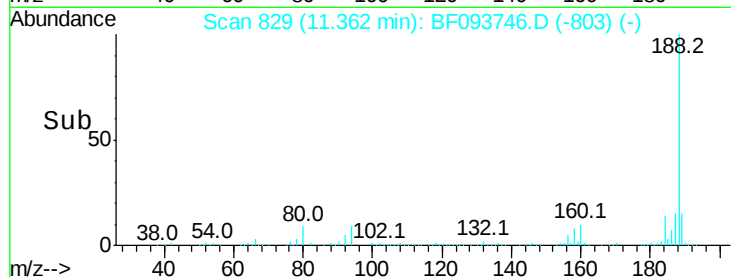
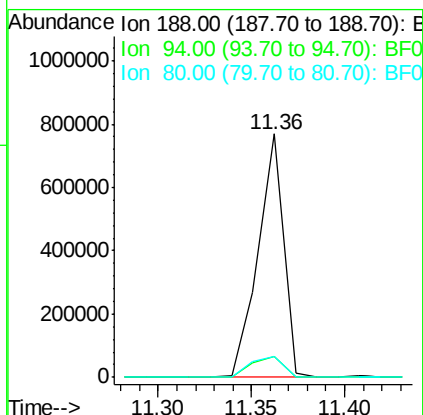
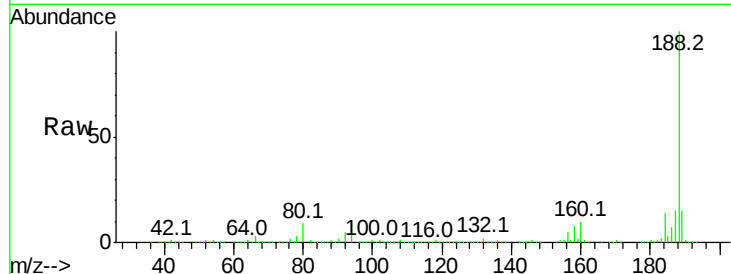




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 829
Delta R.T. 0.00 min
Lab File: BF093746.D
Acq: 18 Mar 2017 11:44

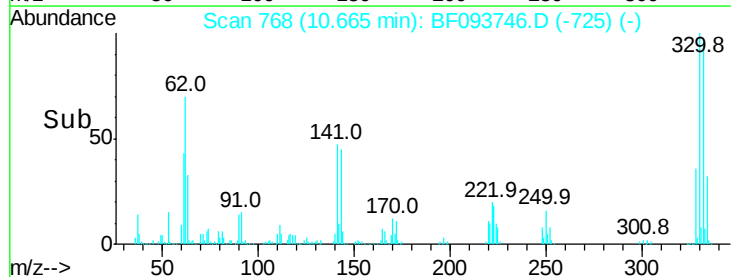
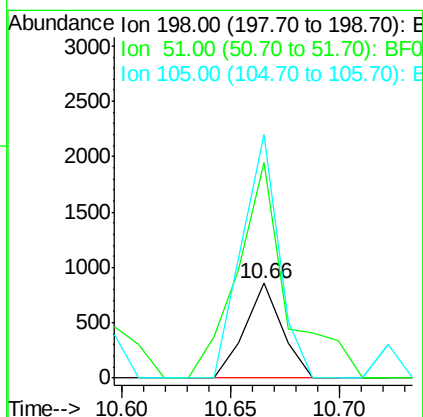
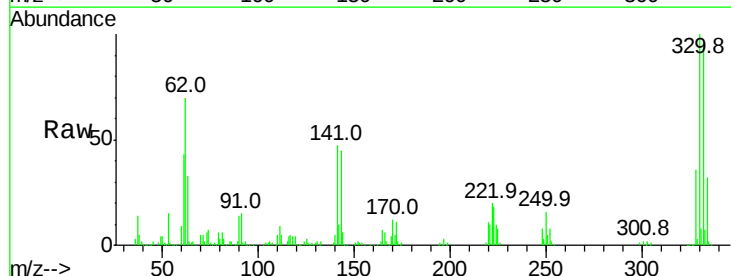
Instrument :
BNA_F
ClientSampled :
MW-102S

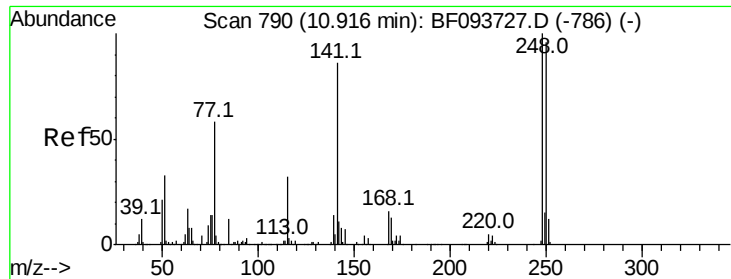
Tot Ion:188 Resp: 724944
Ion Ratio Lower Upper
188 100
94 8.7 9.4 14.2#
80 8.8 10.2 15.2#



#64
4,6-Dinitro-2-methylphenol
Concen: 4.17 ng
RT: 10.66 min Scan# 768
Delta R.T. 0.19 min
Lab File: BF093746.D
Acq: 18 Mar 2017 11:44

Tgt Ion:198 Resp: 1018
Ion Ratio Lower Upper
198 100
51 227.0 53.2 93.2#
105 257.2 45.8 85.8#





#66

4-Bromophenyl-phenylether

Concen: 3.74 ng

RT: 10.66 min Scan# 768

Delta R.T. -0.25 min

Lab File: BF093746.D

Acq: 18 Mar 2017 11:44

Instrument :

BNA_F

ClientSampleId :

MW-102S

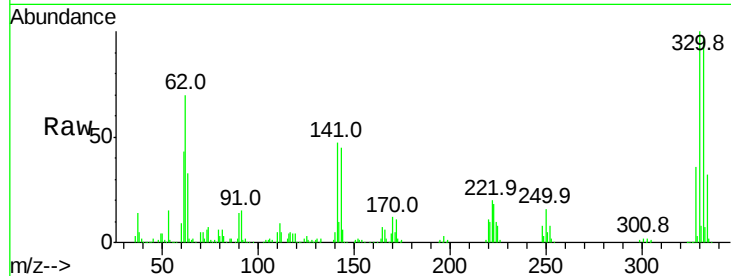
Tot Ion:248 Resp: 25641

Ion Ratio Lower Upper

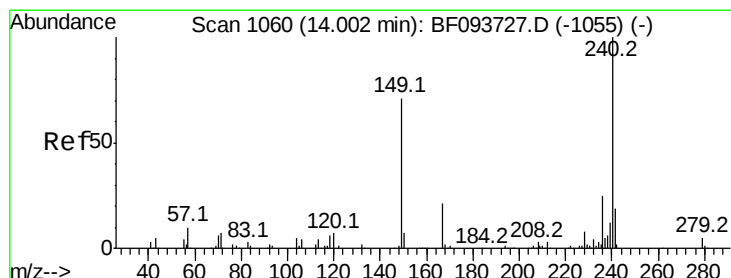
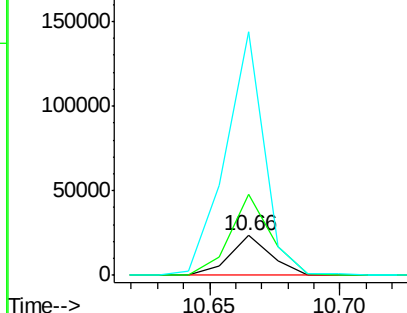
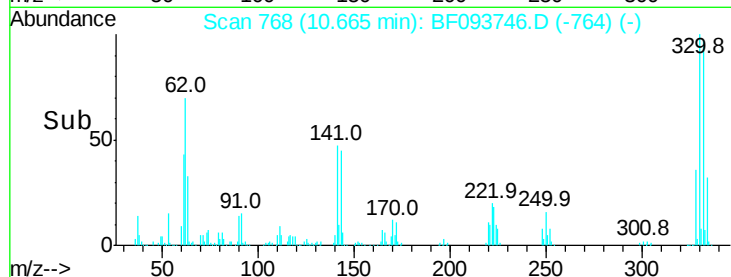
248 100

250 202.2 76.8 115.2#

141 611.0 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: BF093746.D

Acq: 18 Mar 2017 11:44

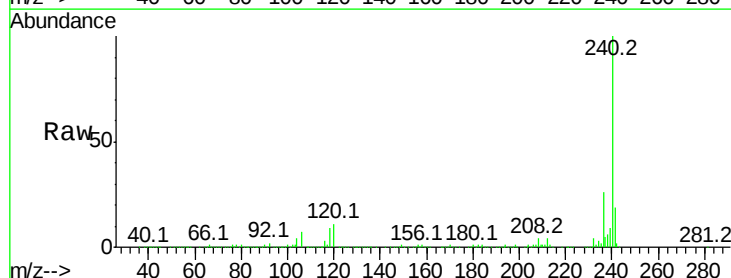
Tgt Ion:240 Resp: 631028

Ion Ratio Lower Upper

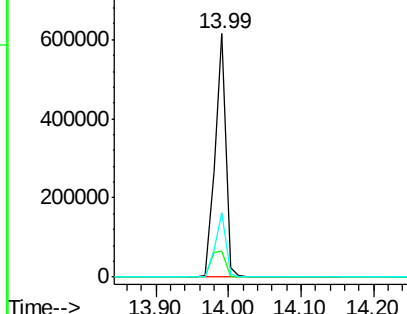
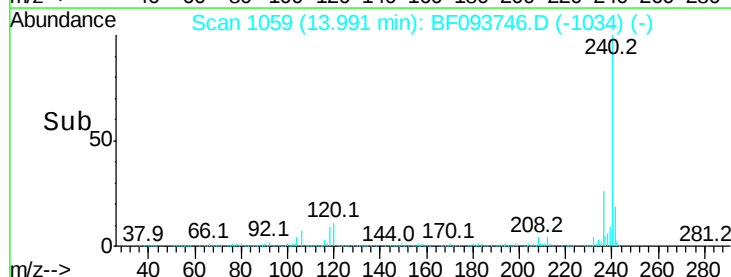
240 100

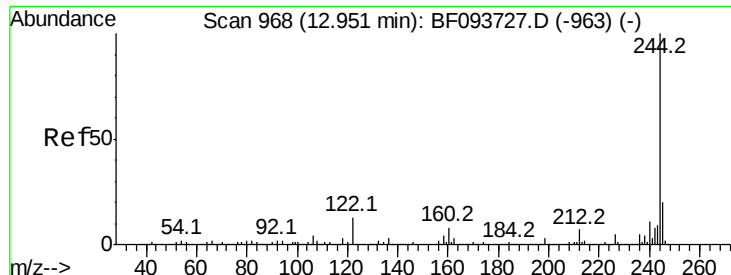
120 10.6 5.8 8.8#

236 26.4 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: 57.40 ng

RT: 12.95 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF093746.D

Acq: 18 Mar 2017 11:44

Instrument :

BNA_F

ClientSampleId :

MW-102S

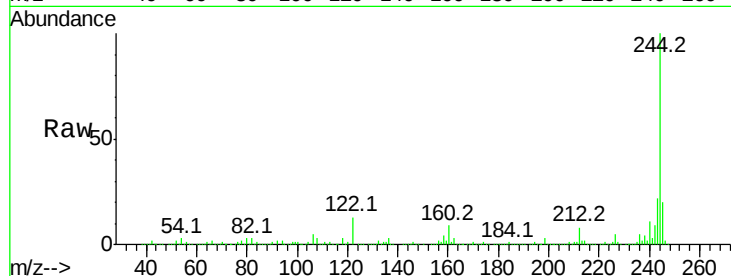
Tot Ion:244 Resp: 1682808

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

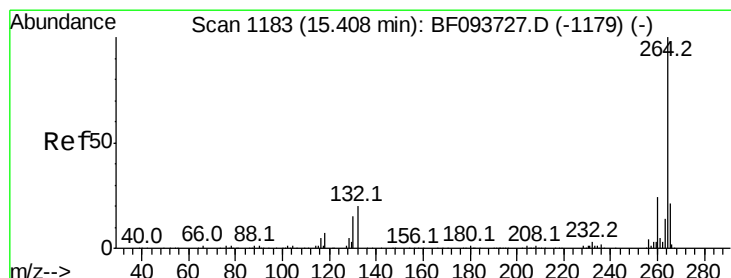
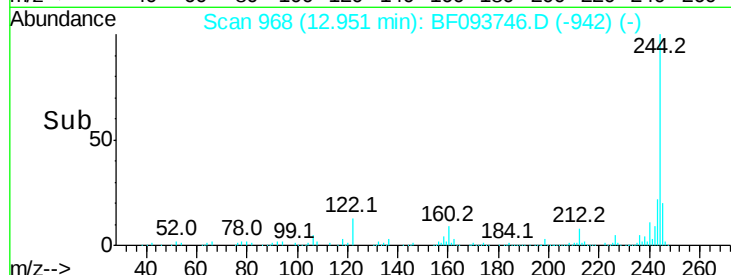
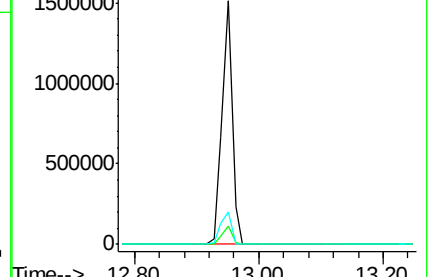
122 13.5 10.3 15.5



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

Perylene-d12

Concen: 20.00 ng

RT: 15.41 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BF093746.D

Acq: 18 Mar 2017 11:44

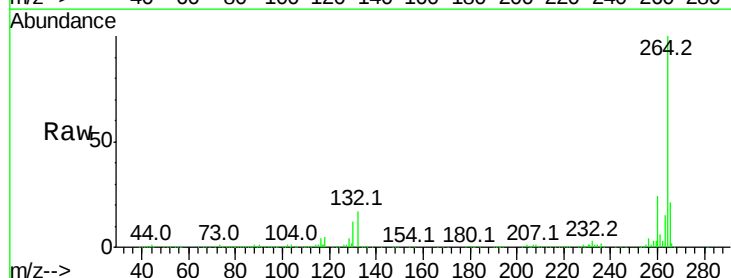
Tgt Ion:264 Resp: 491368

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 20.9 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

