

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031817\
 Data File : BF093743.D
 Acq On : 18 Mar 2017 10:21
 Operator : SJ/MA
 Sample : I2263-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-101S

Quant Time: Mar 20 01:05:26 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	206032	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	782390	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	365751	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	705778	20.00	ng	0.00
75) Chrysene-d12	13.99	240	579385	20.00	ng	-0.01
86) Perylene-d12	15.40	264	471024	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	746783	60.43	ng	0.00
7) Phenol-d6	6.47	99	688854	44.97	ng	-0.01
23) Nitrobenzene-d5	7.41	82	1197251	91.84	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	394257	164.70	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	2118755	109.31	ng	0.00
78) Terphenyl-d14	12.95	244	1671387	62.09	ng	0.00

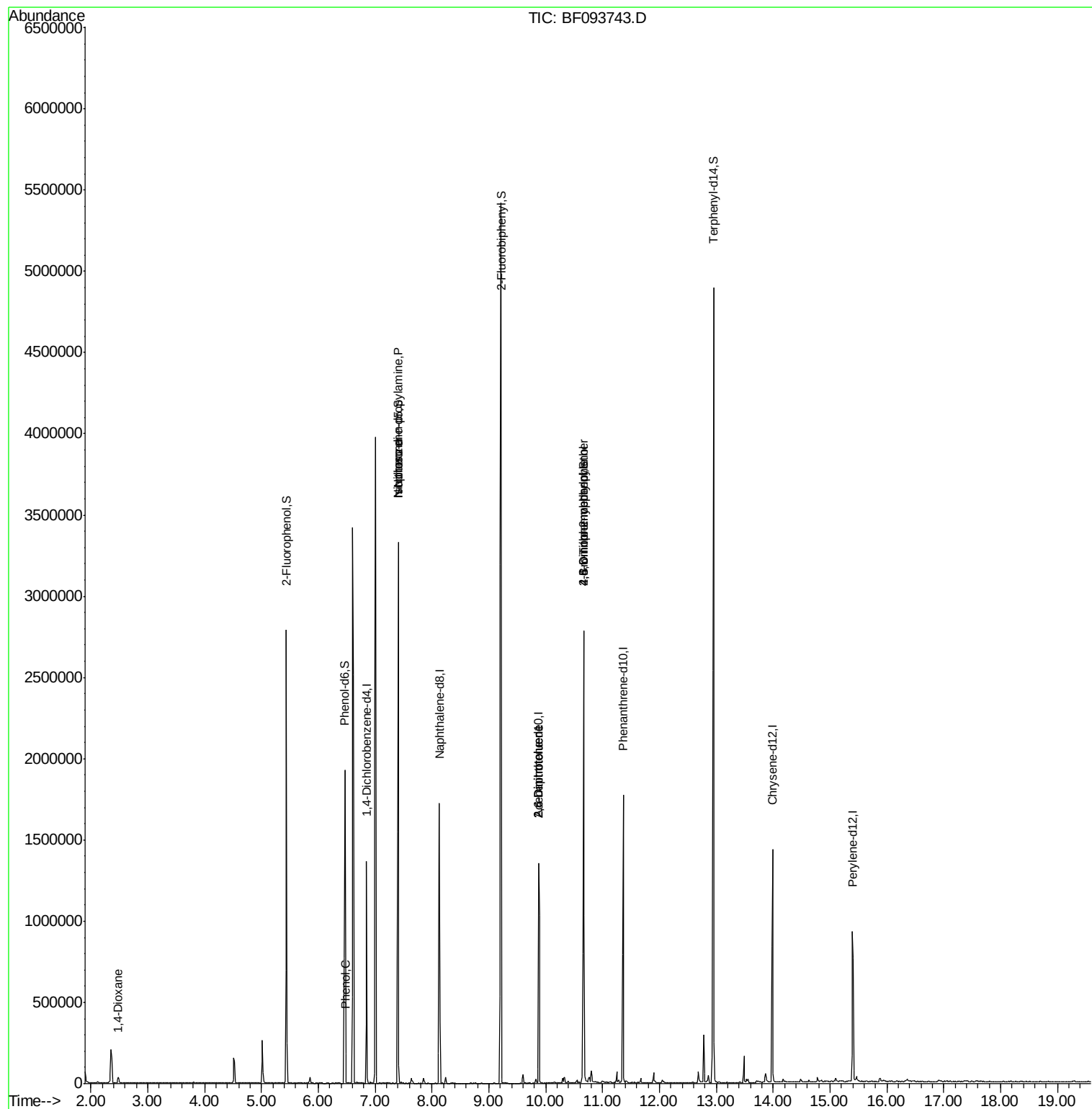
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.48	88	20057	3.14	ng	95
9) Benzaldehyde	6.47	77	1767	Below Cal	#	1
10) Phenol	6.48	94	49407	2.76	ng	83
19) n-Nitroso-di-n-propylamine	7.41	70	164730	16.20	ng	78
25) Isophorone	7.41	82	1172015	46.71	ng	67
50) 2,6-Dinitrotoluene	9.88	165	46557	9.02	ng	34
56) 2,4-Dinitrotoluene	9.88	165	46559	6.78	ng	33
64) 4,6-Dinitro-2-methylphenol	10.66	198	955	4.16	ng	1
66) 4-Bromophenyl-phenylether	10.66	248	25572	3.83	ng	1

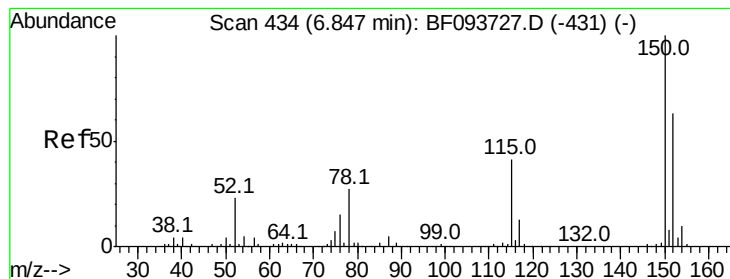
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF093743.D

Acq: 18 Mar 2017 10:21

Instrument :

BNA_F

ClientSampled :

MW-101S

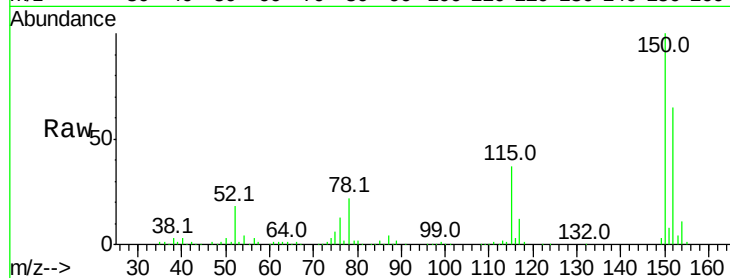
Tot Ion:152 Resp: 206032

Ion Ratio Lower Upper

152 100

150 154.9 126.2 189.2

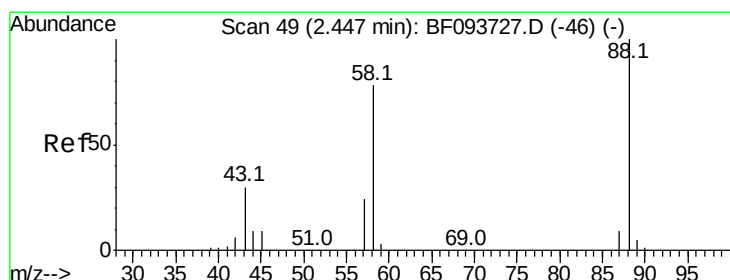
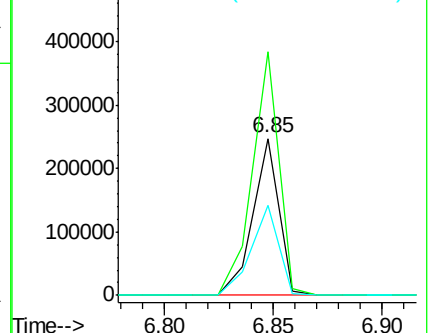
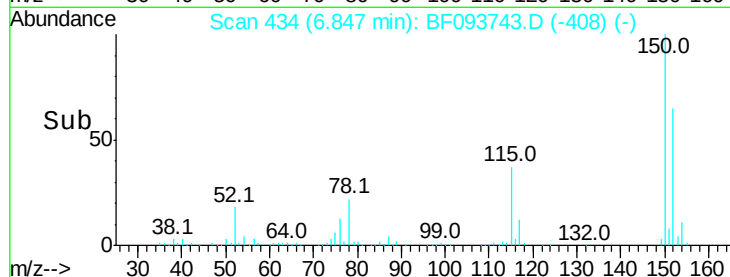
115 57.6 52.2 78.2



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



#2

1,4-Dioxane

Concen: 3.14 ng

RT: 2.48 min Scan# 52

Delta R.T. 0.03 min

Lab File: BF093743.D

Acq: 18 Mar 2017 10:21

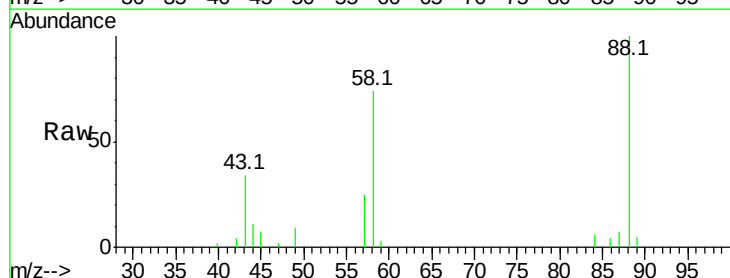
Tgt Ion: 88 Resp: 20057

Ion Ratio Lower Upper

88 100

58 79.5 61.4 92.0

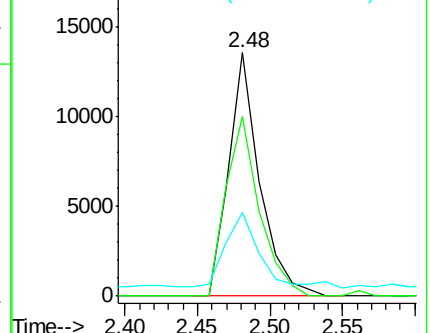
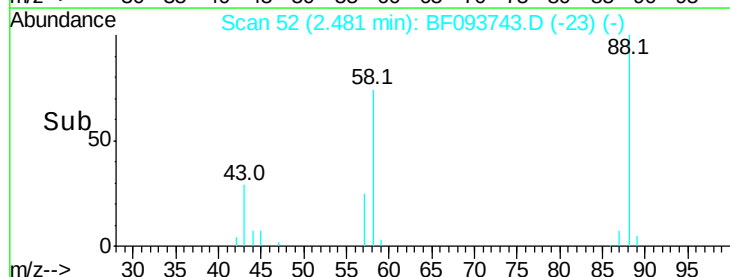
43 34.2 23.4 35.0

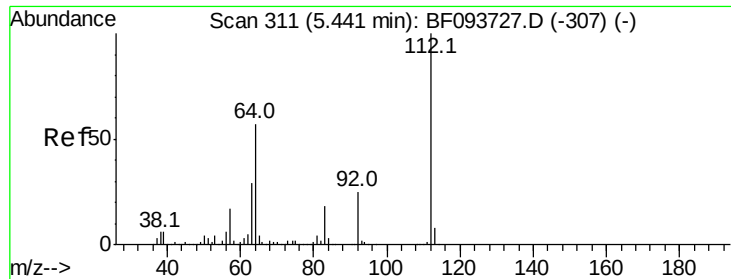


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 60.43 ng

RT: 5.44 min Scan# 311

Delta R.T. -0.00 min

Lab File: BF093743.D

Acq: 18 Mar 2017 10:21

Instrument :

BNA_F

ClientSampleId :

MW-101S

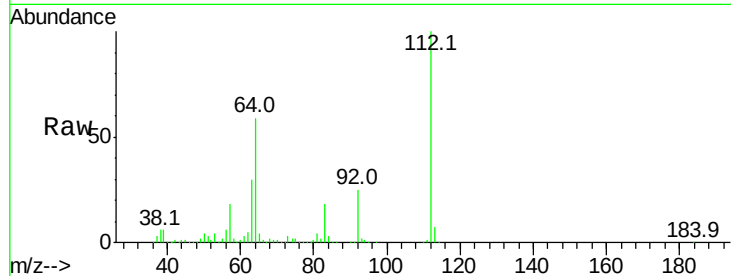
Tot Ion:112 Resp: 746783

Ion Ratio Lower Upper

112 100

64 59.3 46.0 69.0

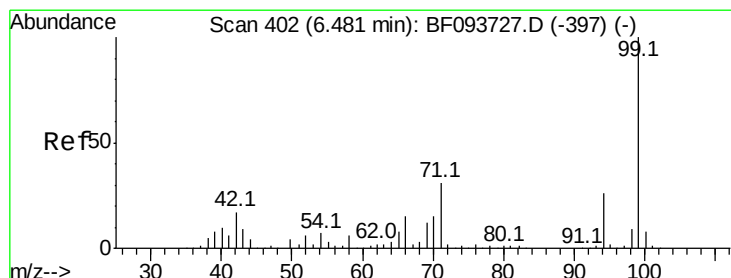
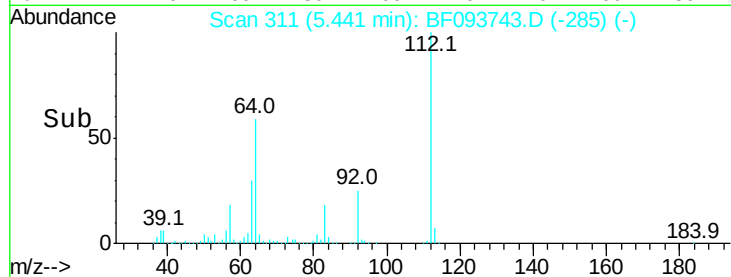
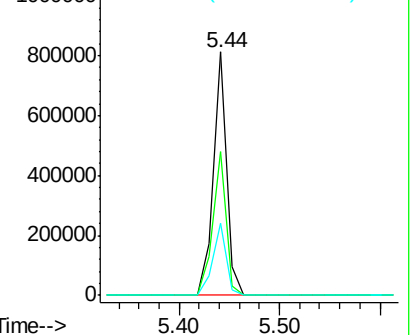
63 29.6 23.4 35.0



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: 44.97 ng

RT: 6.47 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF093743.D

Acq: 18 Mar 2017 10:21

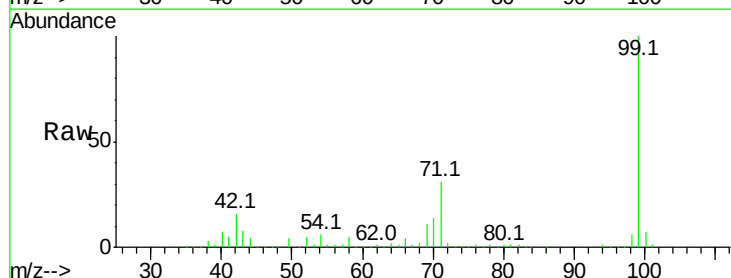
Tgt Ion: 99 Resp: 688854

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

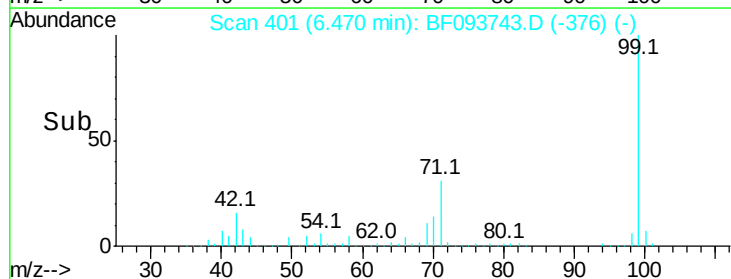
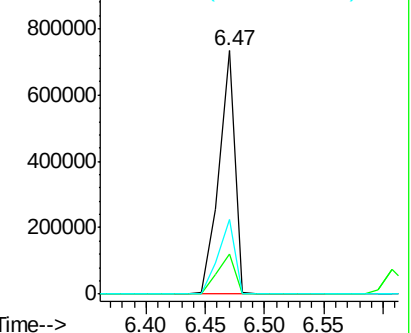
71 30.8 24.5 36.7

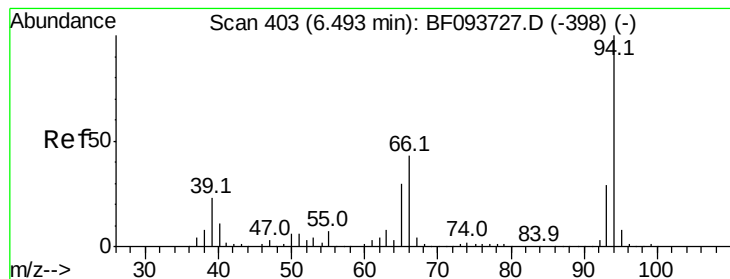


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: 2.76 ng

RT: 6.48 min Scan# 402

Delta R.T. -0.01 min

Lab File: BF093743.D

Acq: 18 Mar 2017 10:21

Instrument :

BNA_F

ClientSampleId :

MW-101S

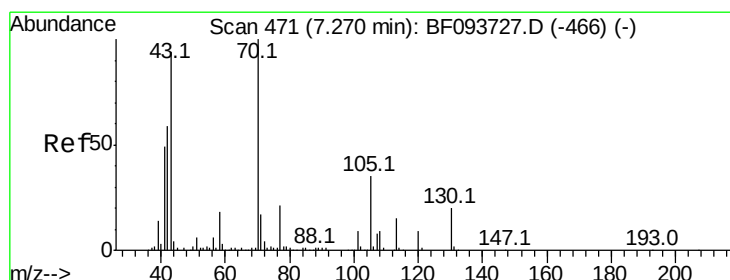
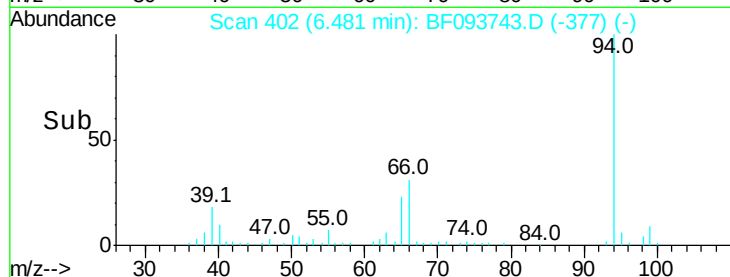
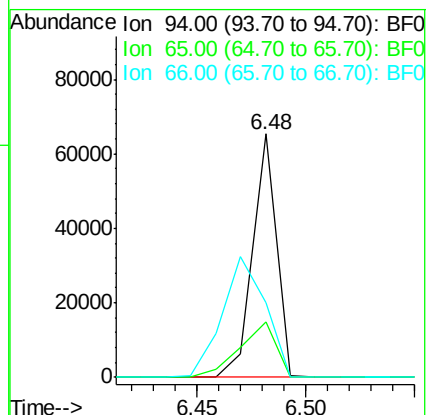
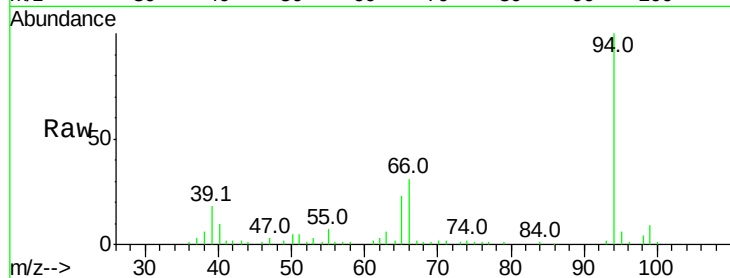
Tot Ion: 94 Resp: 49407

Ion Ratio Lower Upper

94 100

65 22.7 9.9 49.9

66 30.6 23.1 63.1



#19

n-Nitroso-di-n-propylamine

Concen: 16.20 ng

RT: 7.41 min Scan# 483

Delta R.T. 0.14 min

Lab File: BF093743.D

Acq: 18 Mar 2017 10:21

Tgt Ion: 70 Resp: 164730

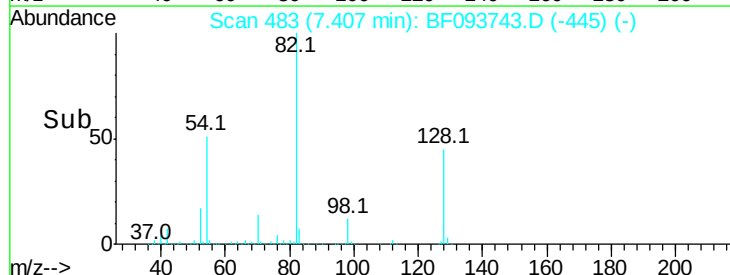
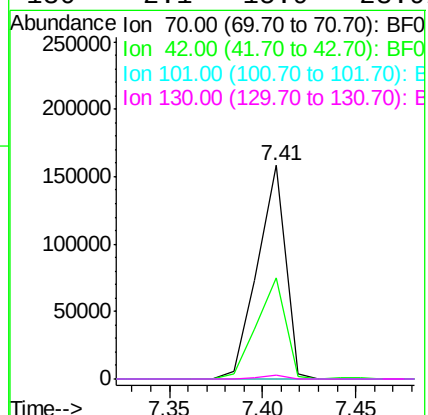
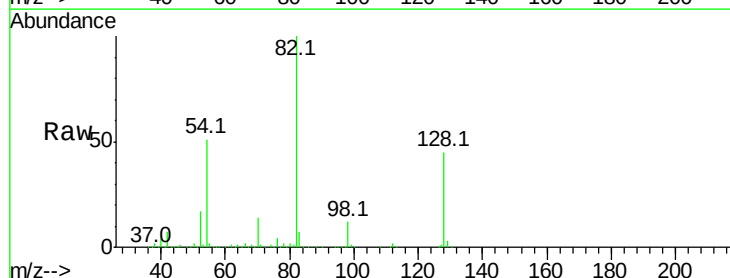
Ion Ratio Lower Upper

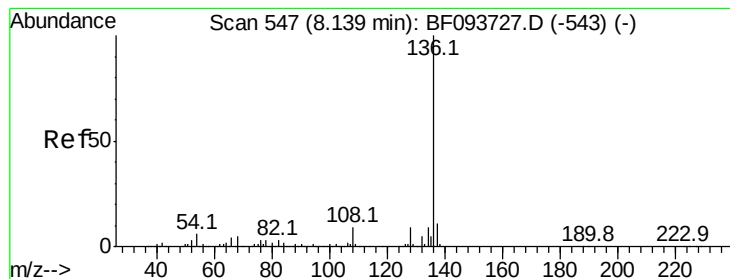
70 100

42 47.6 47.2 70.8

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 546

Delta R.T. -0.01 min

Lab File: BF093743.D

Acq: 18 Mar 2017 10:21

Instrument :

BNA_F

ClientSampleId :

MW-101S

Tot Ion:136 Resp: 782390

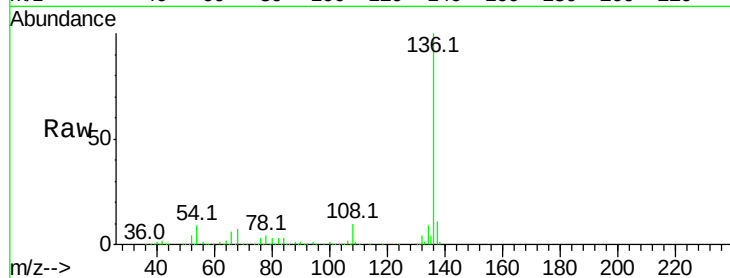
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 8.9 4.9 7.3#

68 6.8 4.1 6.1#

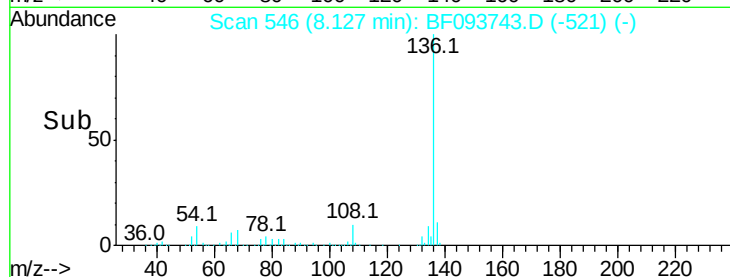


Abundance Ion 136.00 (135.70 to 136.70): E

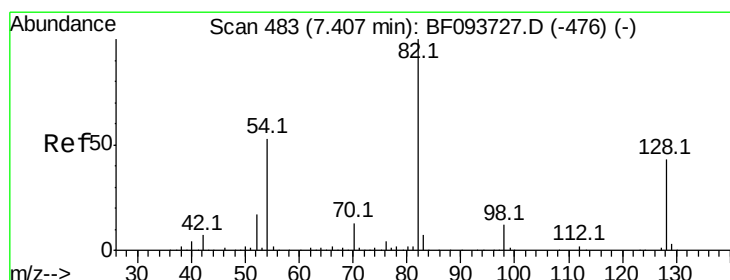
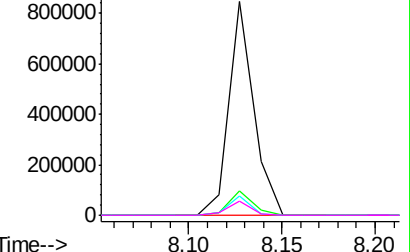
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 91.84 ng

RT: 7.41 min Scan# 483

Delta R.T. -0.00 min

Lab File: BF093743.D

Acq: 18 Mar 2017 10:21

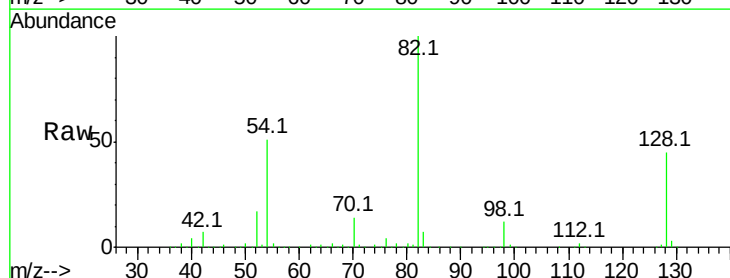
Tgt Ion: 82 Resp: 1197251

Ion Ratio Lower Upper

82 100

128 44.7 34.0 51.0

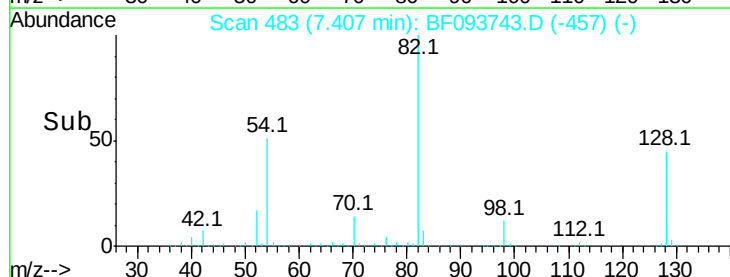
54 50.8 42.2 63.2



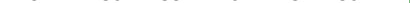
Abundance Ion 82.00 (81.70 to 82.70): BF0

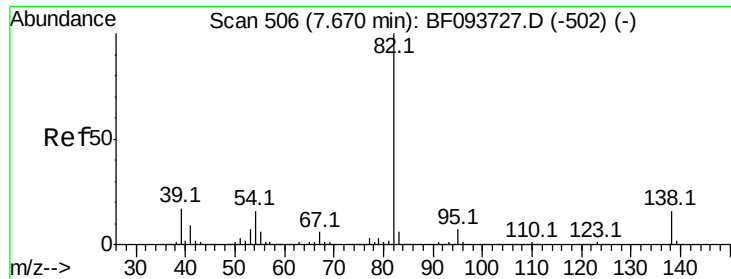
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 46.71 ng

RT: 7.41 min Scan# 483

Delta R.T. -0.26 min

Lab File: BF093743.D

Acq: 18 Mar 2017 10:21

Instrument :

BNA_F

ClientSampleId :

MW-101S

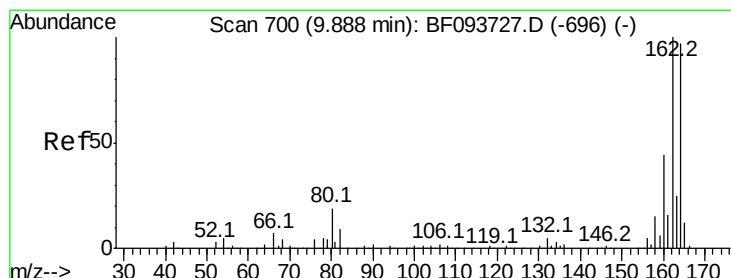
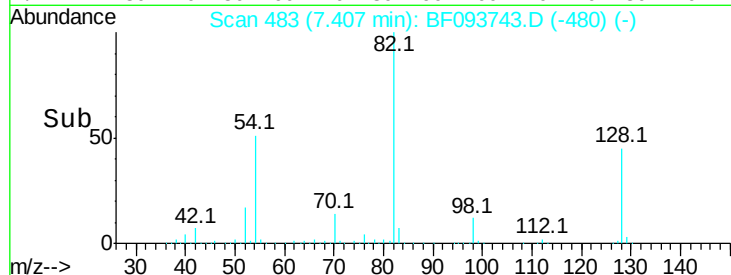
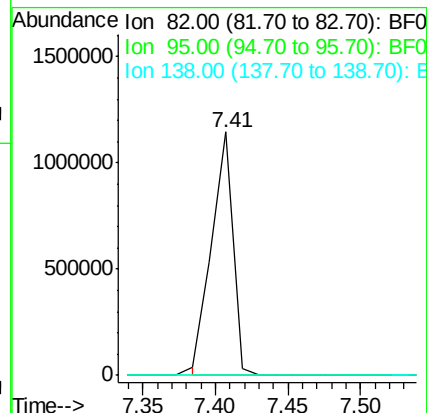
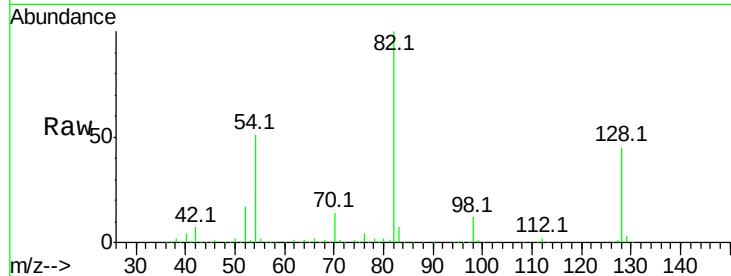
Tot Ion: 82 Resp: 1172015

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: BF093743.D

Acq: 18 Mar 2017 10:21

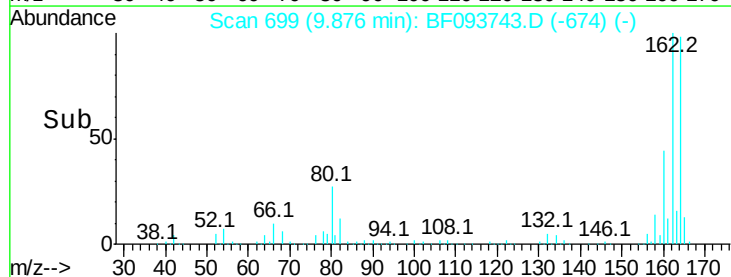
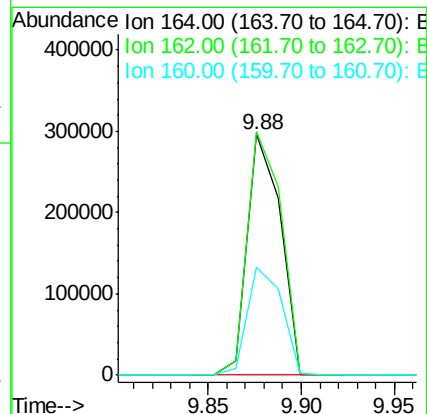
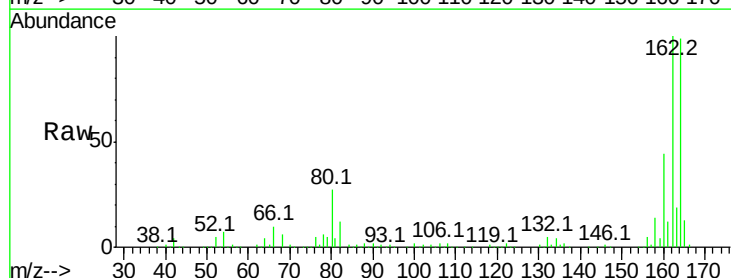
Tgt Ion:164 Resp: 365751

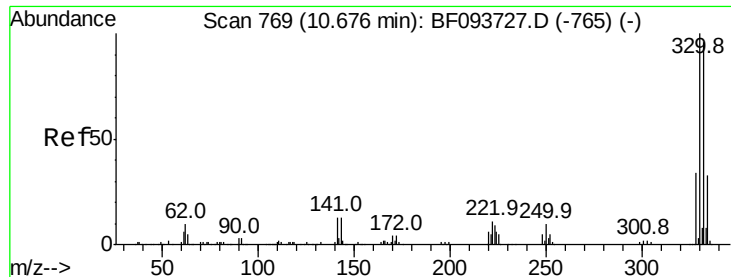
Ion Ratio Lower Upper

164 100

162 101.2 82.6 123.8

160 44.7 36.2 54.2

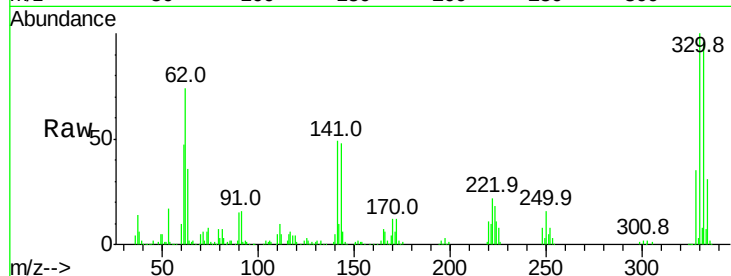




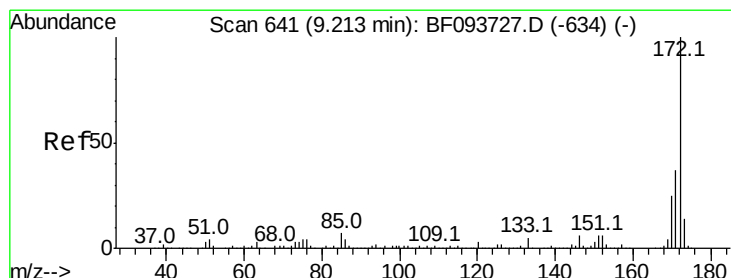
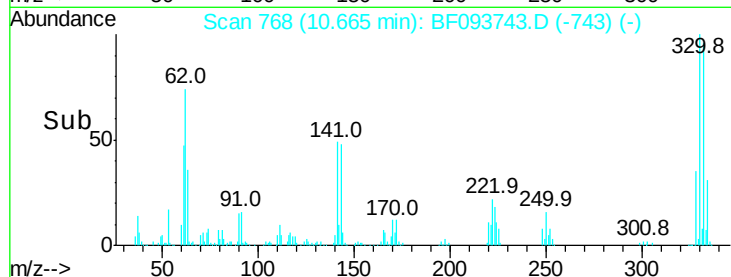
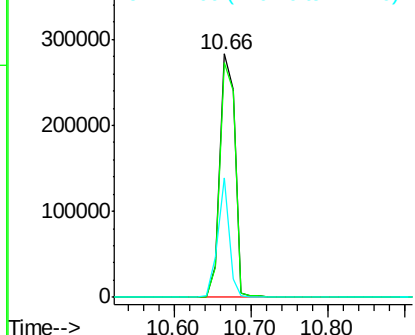
#41
 2,4,6-Tribromophenol
 Concen: 164.70 ng
 RT: 10.66 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF093743.D
 Acq: 18 Mar 2017 10:21

Instrument :
 BNA_F
 ClientSampleId :
 MW-101S

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.6	115.0
141	37.1	31.4	47.2

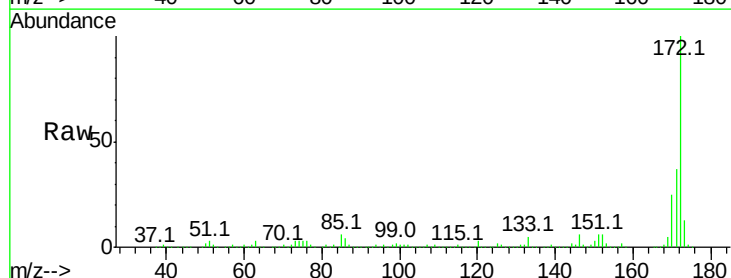


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

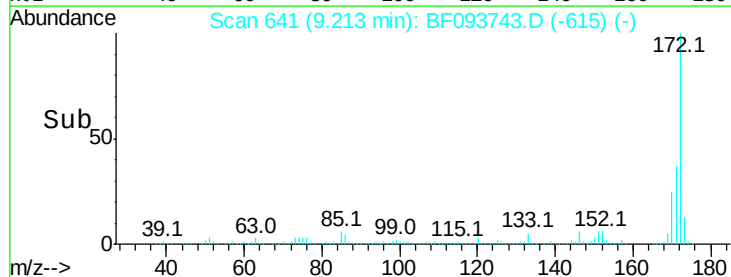
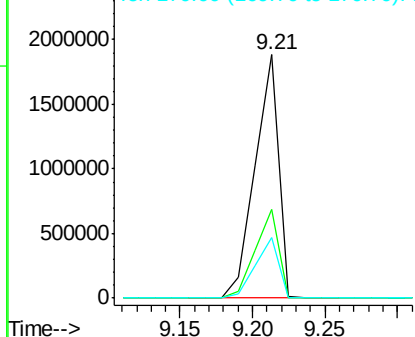


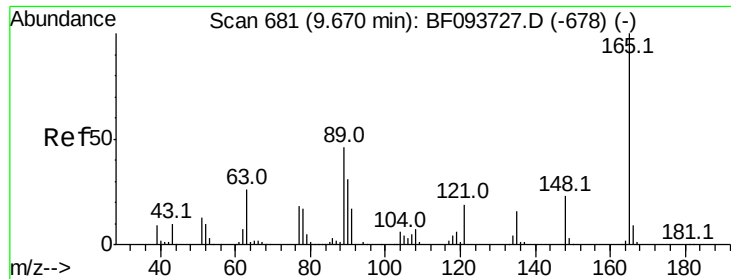
#44
 2-Fluorobiphenyl
 Concen: 109.31 ng
 RT: 9.21 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF093743.D
 Acq: 18 Mar 2017 10:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.8	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: 9.02 ng

RT: 9.88 min Scan# 699

Delta R.T. 0.21 min

Lab File: BF093743.D

Acq: 18 Mar 2017 10:21

Instrument :

BNA_F

ClientSampled :

MW-101S

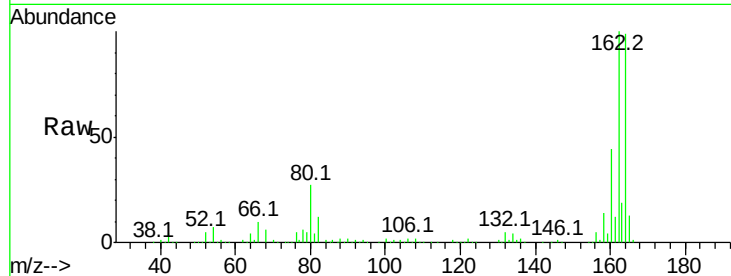
Tot Ion:165 Resp: 46557

Ion Ratio Lower Upper

165 100

63 1.6 34.3 51.5#

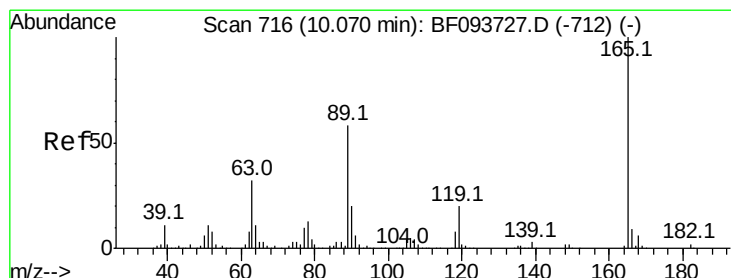
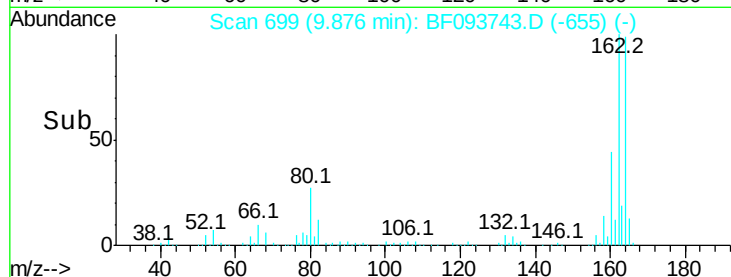
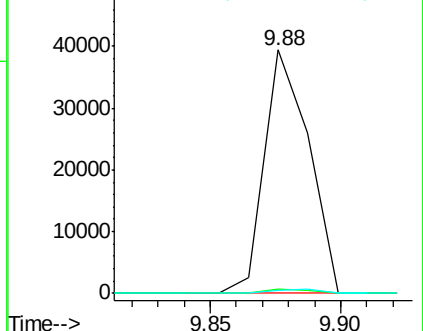
89 1.2 37.1 55.7#



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: 6.78 ng

RT: 9.88 min Scan# 699

Delta R.T. -0.19 min

Lab File: BF093743.D

Acq: 18 Mar 2017 10:21

Tgt Ion:165 Resp: 46559

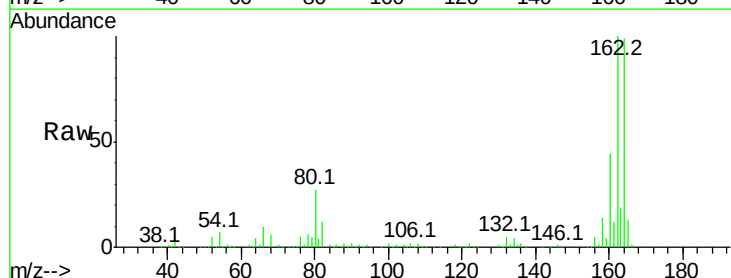
Ion Ratio Lower Upper

165 100

63 1.6 25.4 38.0#

89 1.2 46.4 69.6#

182 0.0 1.8 2.6#

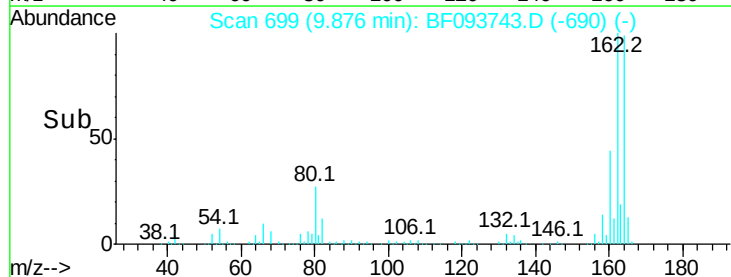
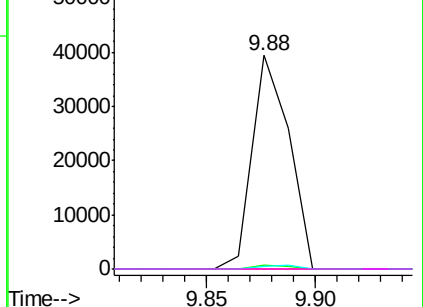


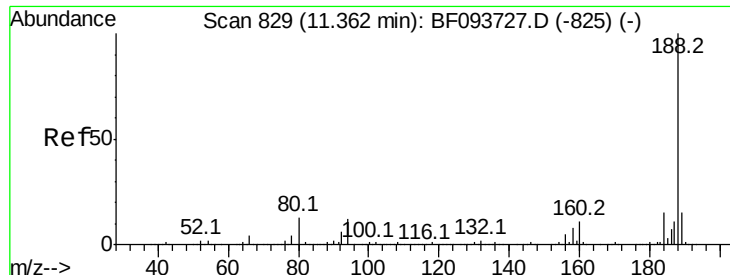
Abundance Ion 165.00 (164.70 to 165.70): E

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

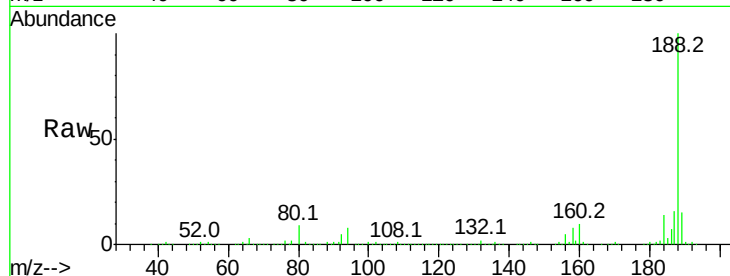




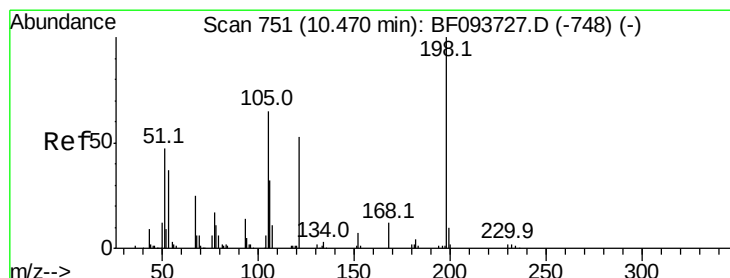
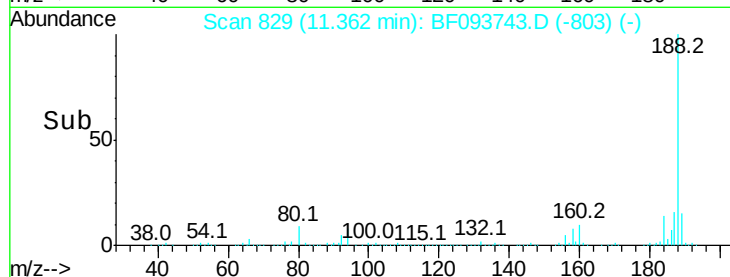
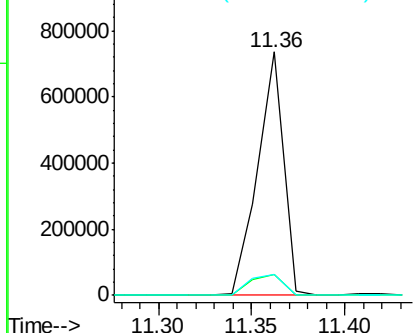
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 829
 Delta R.T. -0.00 min
 Lab File: BF093743.D
 Acq: 18 Mar 2017 10:21

Instrument :
 BNA_F
 ClientSampleId :
 MW-101S

Tot Ion:188 Resp: 705778
 Ion Ratio Lower Upper
 188 100
 94 8.3 9.4 14.2#
 80 8.5 10.2 15.2#

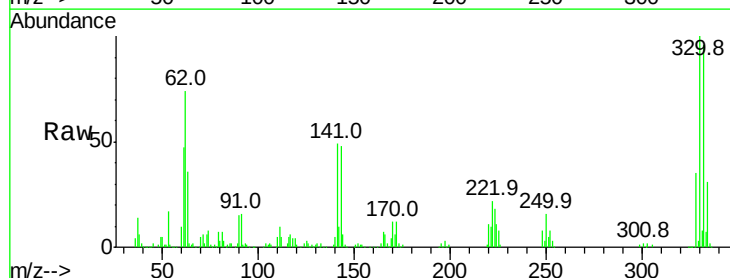


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

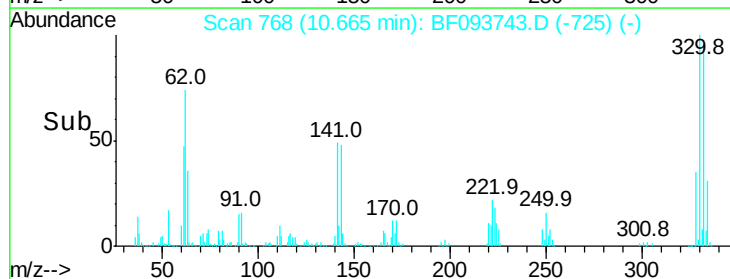
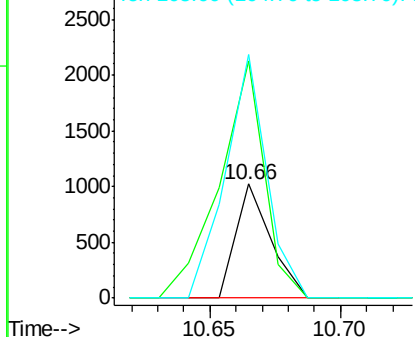


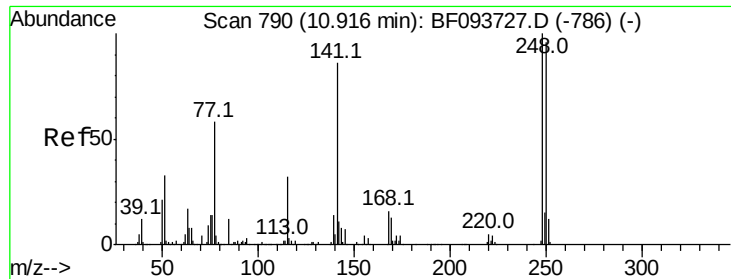
#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.16 ng
 RT: 10.66 min Scan# 768
 Delta R.T. 0.19 min
 Lab File: BF093743.D
 Acq: 18 Mar 2017 10:21

Tgt Ion:198 Resp: 955
 Ion Ratio Lower Upper
 198 100
 51 207.7 53.2 93.2#
 105 213.7 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: 3.83 ng

RT: 10.66 min Scan# 768

Delta R.T. -0.25 min

Lab File: BF093743.D

Acq: 18 Mar 2017 10:21

Instrument :

BNA_F

ClientSampleId :

MW-101S

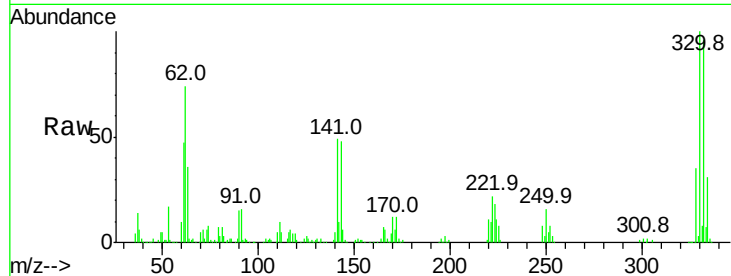
Tot Ion:248 Resp: 25572

Ion Ratio Lower Upper

248 100

250 199.7 76.8 115.2#

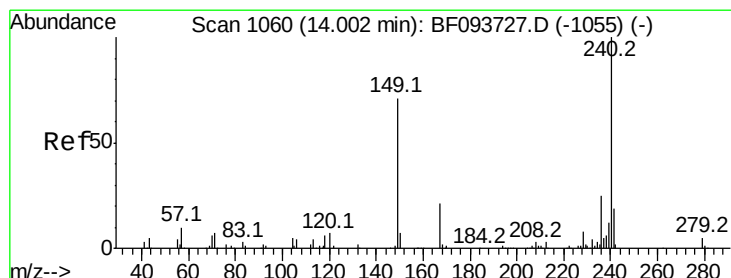
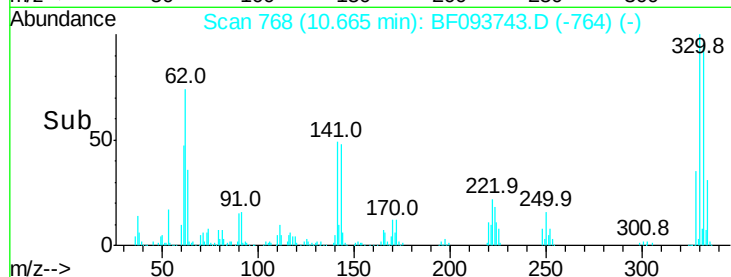
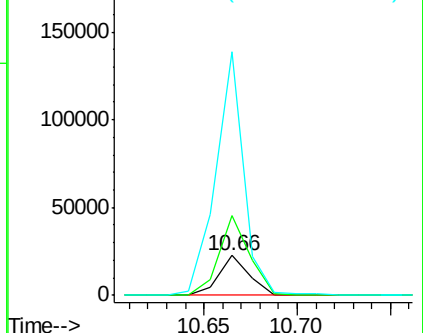
141 611.4 68.6 103.0#



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: BF093743.D

Acq: 18 Mar 2017 10:21

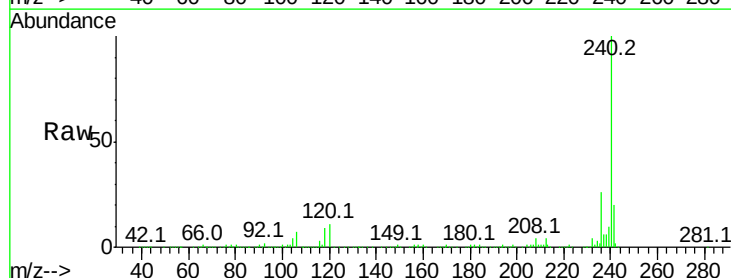
Tgt Ion:240 Resp: 579385

Ion Ratio Lower Upper

240 100

120 10.8 5.8 8.8#

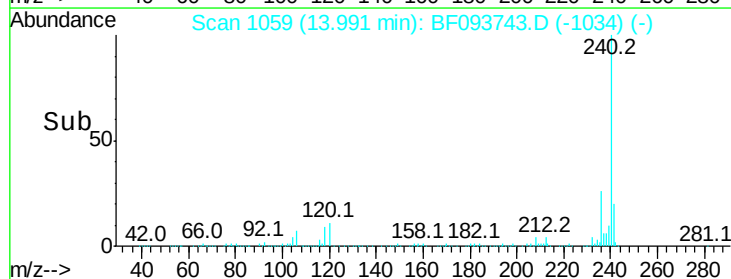
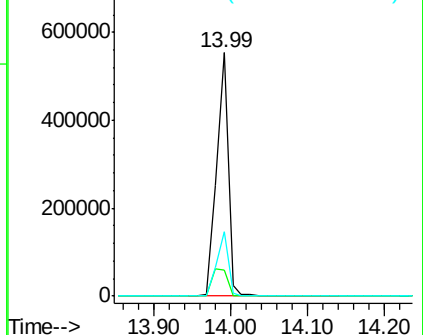
236 26.3 20.5 30.7

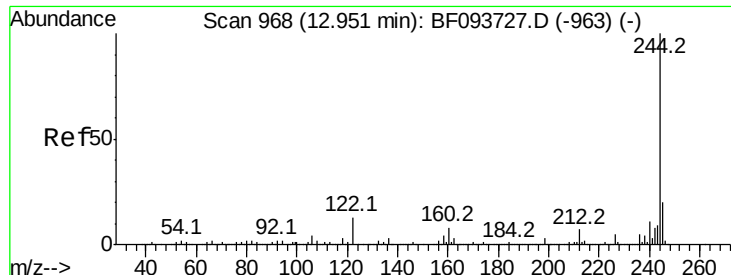


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 62.09 ng

RT: 12.95 min Scan# 968

Delta R.T. -0.00 min

Lab File: BF093743.D

Acq: 18 Mar 2017 10:21

Instrument :

BNA_F

ClientSampleId :

MW-101S

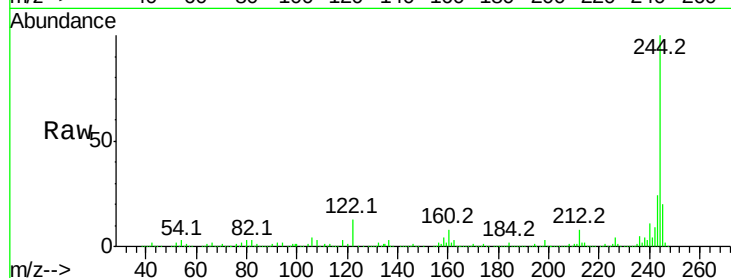
Tot Ion:244 Resp: 1671387

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

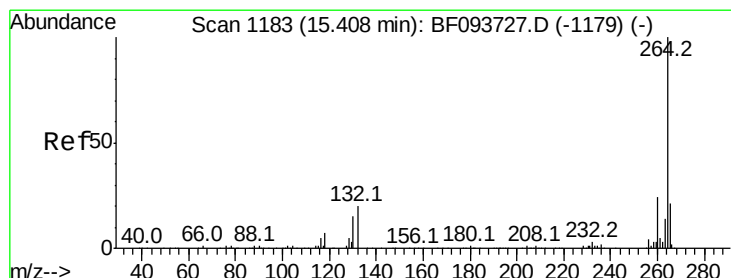
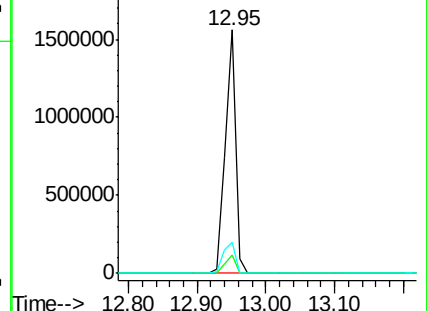
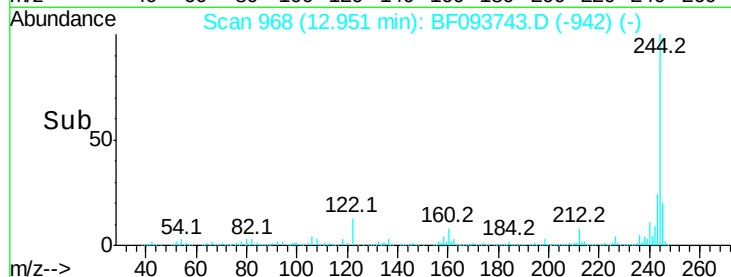
122 12.9 10.3 15.5



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: 15.40 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF093743.D

Acq: 18 Mar 2017 10:21

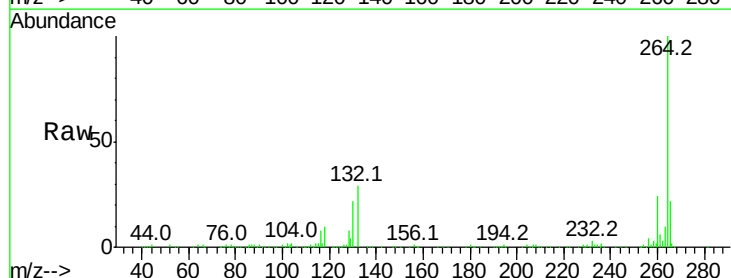
Tgt Ion:264 Resp: 471024

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 21.6 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

