

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031817\
 Data File : BF093734.D
 Acq On : 18 Mar 2017 5:59
 Operator : SJ/MA
 Sample : PB97674BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97674BL

Quant Time: Mar 18 06:24:08 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

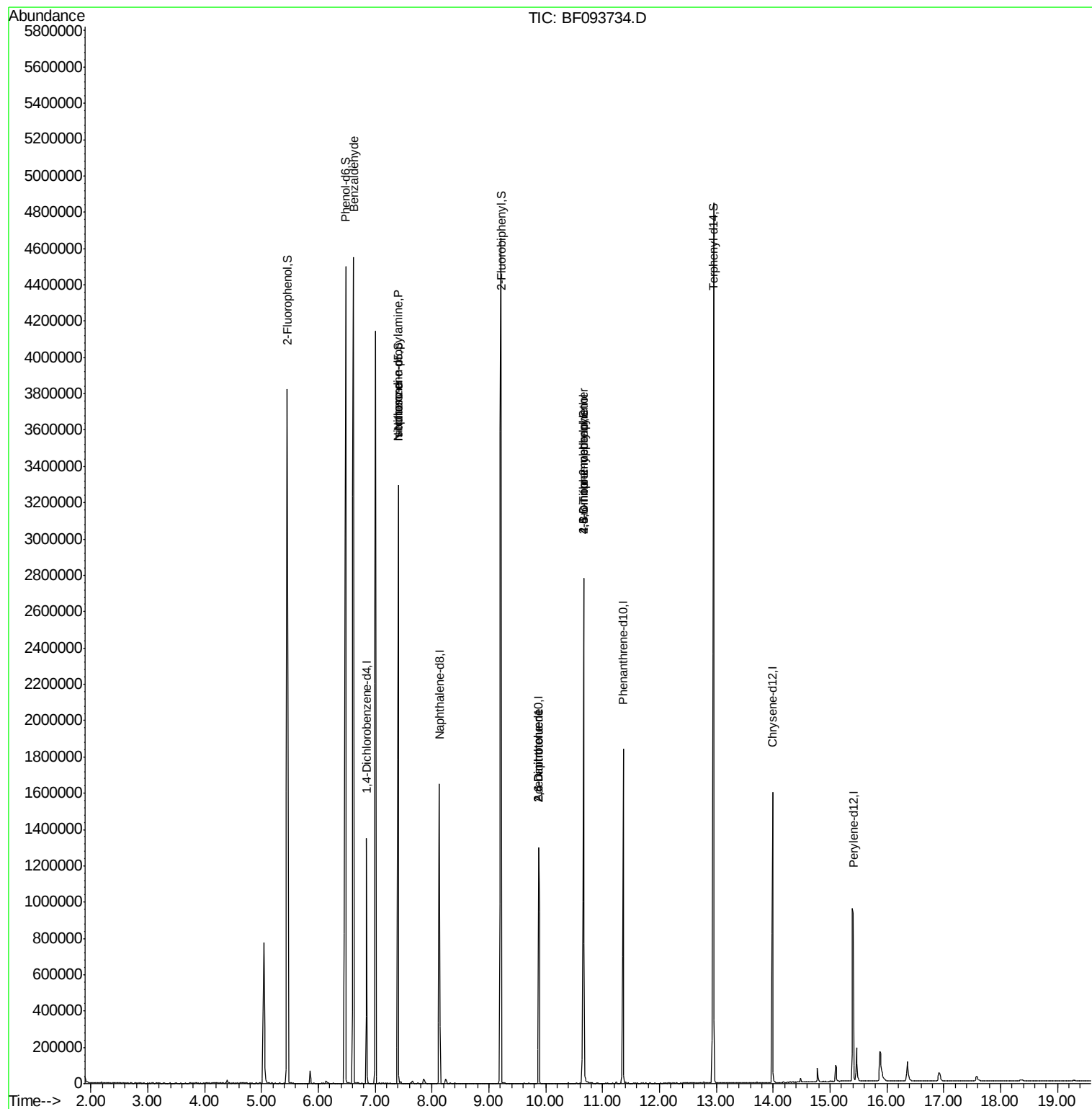
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	202773	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	785535	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	356288	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	707359	20.00	ng	0.00
75) Chrysene-d12	13.99	240	625323	20.00	ng	-0.01
86) Perylene-d12	15.41	264	524883	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1595342	131.17	ng	0.01
7) Phenol-d6	6.48	99	2043172	135.54	ng	0.00
23) Nitrobenzene-d5	7.41	82	1245482	95.16	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	384292	164.81	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	2170900	114.98	ng	0.00
78) Terphenyl-d14	12.95	244	1670650	57.51	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	35537	2.23	ng	Qvalue 84
19) n-Nitroso-di-n-propylamine	7.41	70	168591	16.84	ng	# 79
25) Isophorone	7.41	82	1202342	47.72	ng	# 67
50) 2,6-Dinitrotoluene	9.88	165	45630	9.08	ng	# 34
56) 2,4-Dinitrotoluene	9.88	165	45622	6.82	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.66	198	857	4.13	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	24908	3.73	ng	# 1

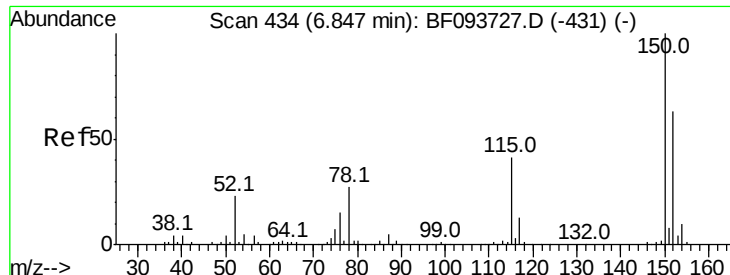
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 18 05:21:29 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 434

Delta R.T. -0.00 min

Lab File: BF093734.D

Acq: 18 Mar 2017 5:59

Instrument :

BNA_F

ClientSampleId :

PB97674BL

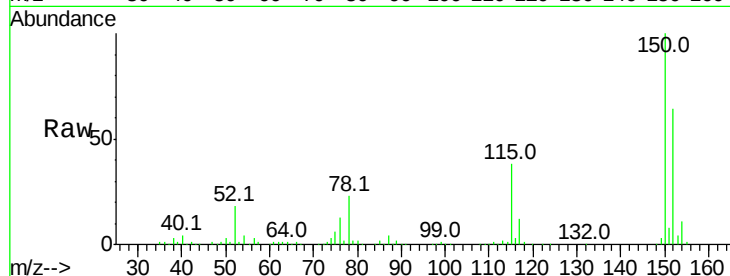
Tot Ion:152 Resp: 202773

Ion Ratio Lower Upper

152 100

150 156.3 126.2 189.2

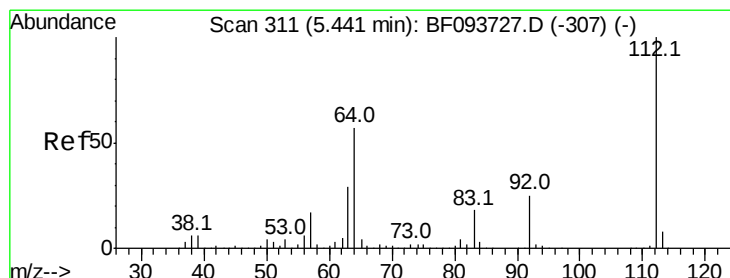
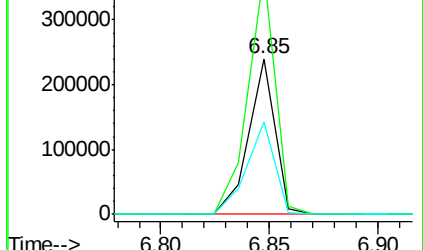
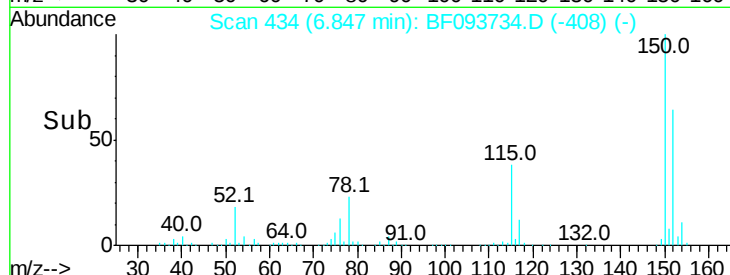
115 59.5 52.2 78.2



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: 131.17 ng

RT: 5.45 min Scan# 312

Delta R.T. 0.01 min

Lab File: BF093734.D

Acq: 18 Mar 2017 5:59

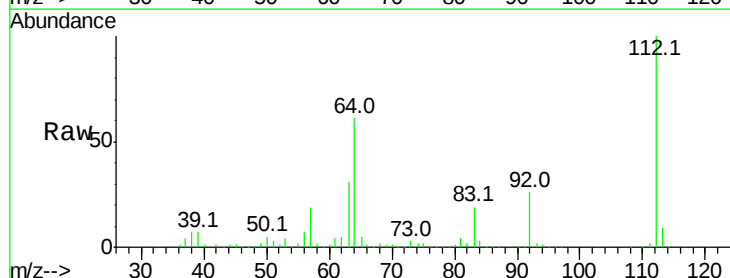
Tgt Ion:112 Resp: 1595342

Ion Ratio Lower Upper

112 100

64 61.1 46.0 69.0

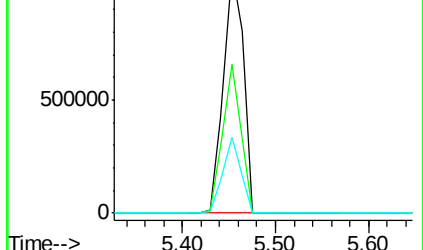
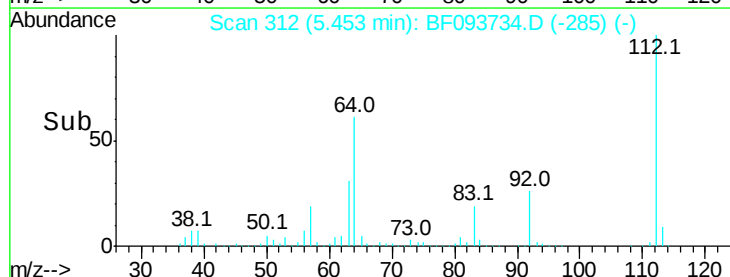
63 31.4 23.4 35.0

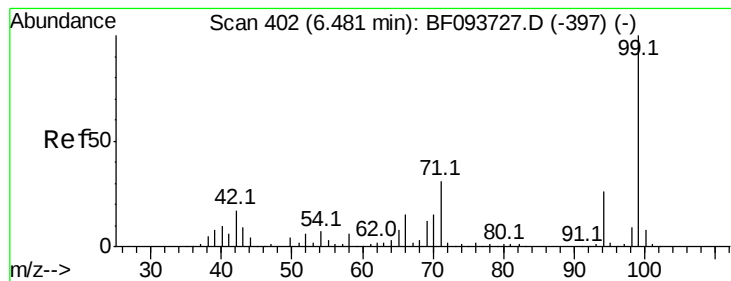


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 135.54 ng

RT: 6.48 min Scan# 402

Delta R.T. -0.00 min

Lab File: BF093734.D

Acq: 18 Mar 2017 5:59

Instrument :

BNA_F

ClientSampled :

PB97674BL

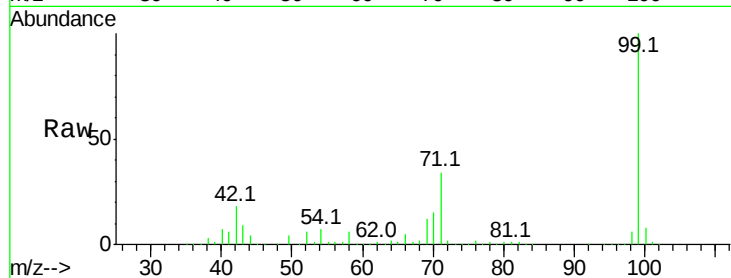
Tot Ion: 99 Resp: 2043172

Ion Ratio Lower Upper

99 100

42 18.0 13.5 20.3

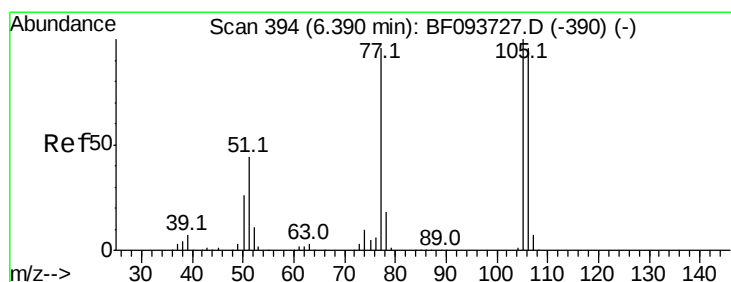
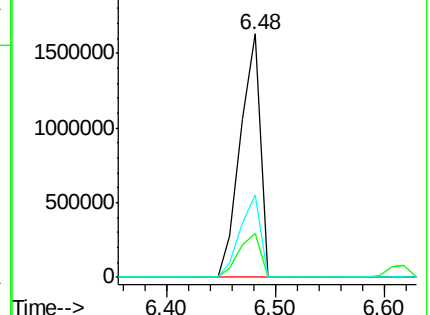
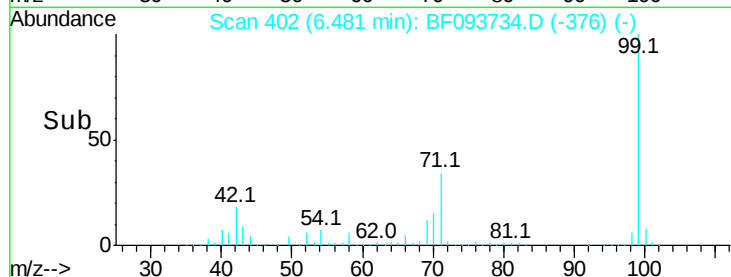
71 33.6 24.5 36.7



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



#9

Benzaldehyde

Concen: 2.23 ng

RT: 6.62 min Scan# 414

Delta R.T. 0.23 min

Lab File: BF093734.D

Acq: 18 Mar 2017 5:59

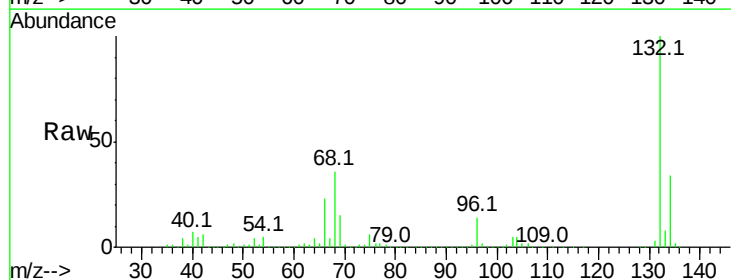
Tgt Ion: 77 Resp: 35537

Ion Ratio Lower Upper

77 100

105 88.0 83.8 123.8

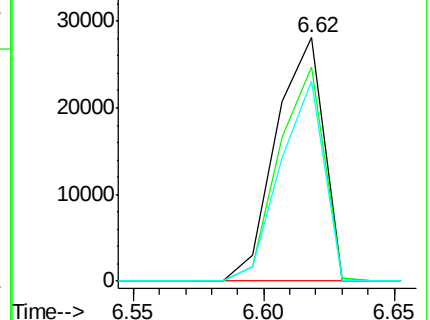
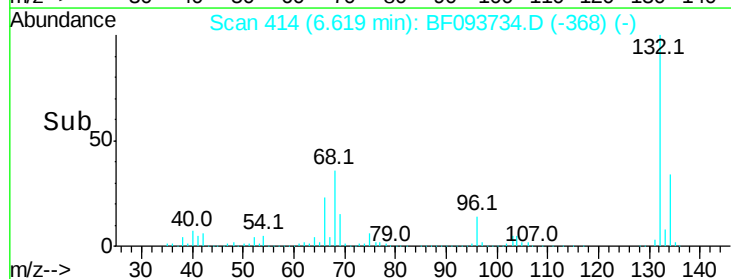
106 82.3 79.1 119.1

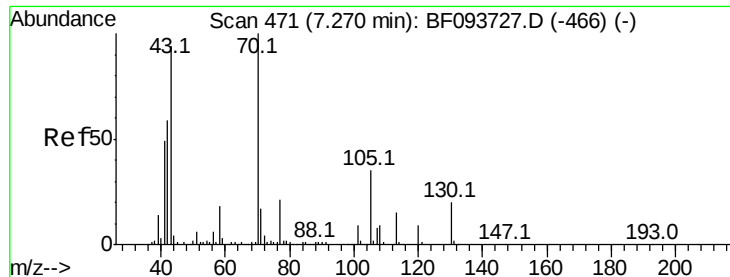


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 16.84 ng

RT: 7.41 min Scan# 483

Delta R.T. 0.14 min

Lab File: BF093734.D

Acq: 18 Mar 2017 5:59

Instrument :

BNA_F

ClientSampled :

PB97674BL

Tot Ion: 70 Resp: 168591

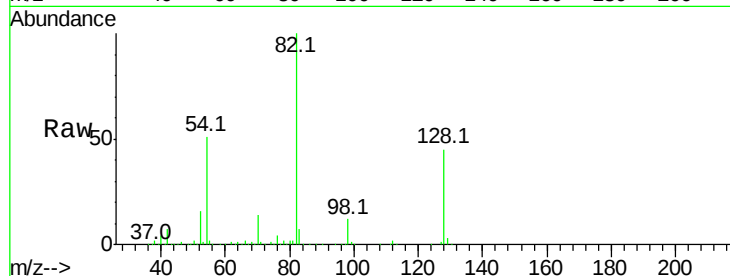
Ion Ratio Lower Upper

70 100

42 48.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

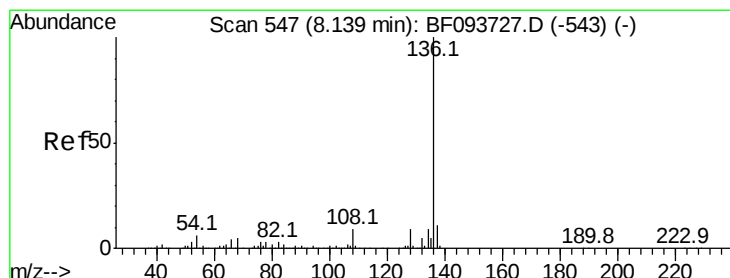
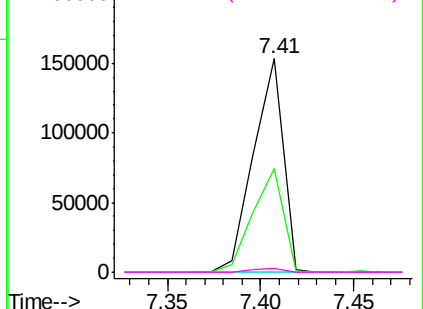
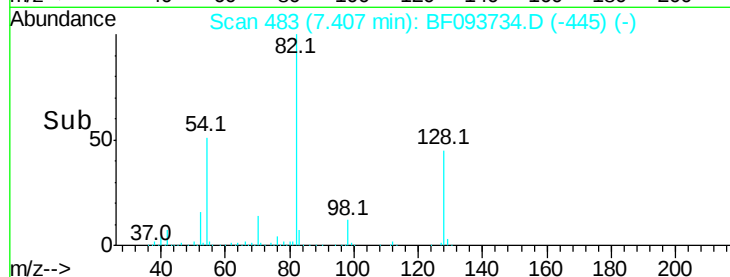


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): 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: BF093734.D

Acq: 18 Mar 2017 5:59

Tgt Ion: 136 Resp: 785535

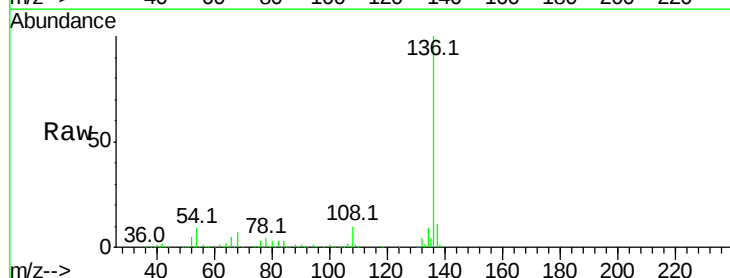
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 8.6 4.9 7.3#

68 6.7 4.1 6.1#

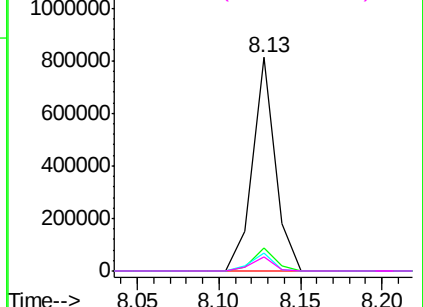
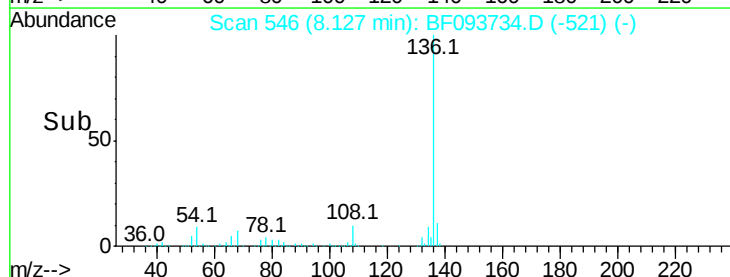


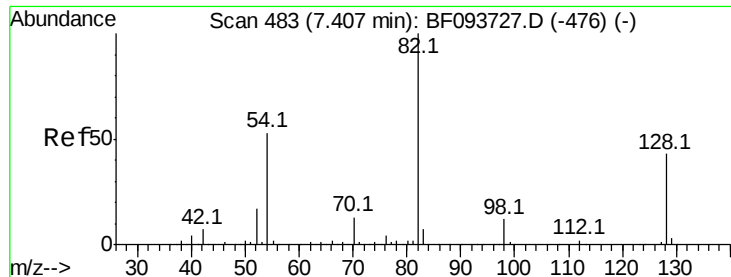
Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.16 ng

RT: 7.41 min Scan# 483

Delta R.T. -0.00 min

Lab File: BF093734.D

Acq: 18 Mar 2017 5:59

Instrument :

BNA_F

ClientSampleId :

PB97674BL

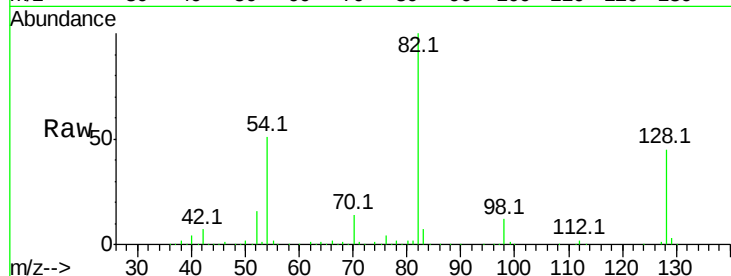
Tot Ion: 82 Resp: 1245482

Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.0	51.0
54	50.8	42.2	63.2

82 100

128 44.9 34.0 51.0

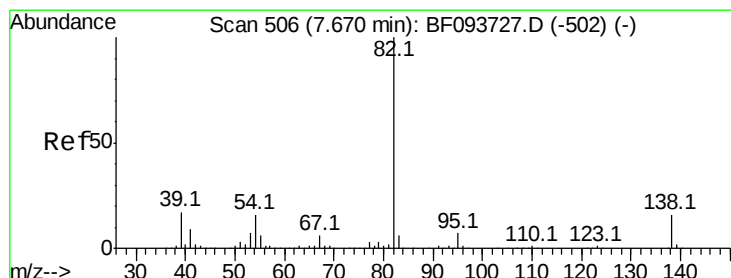
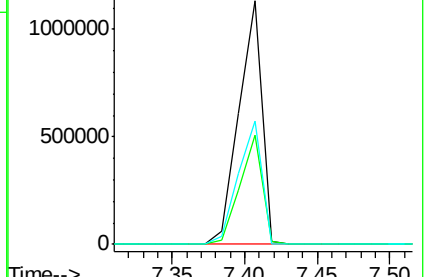
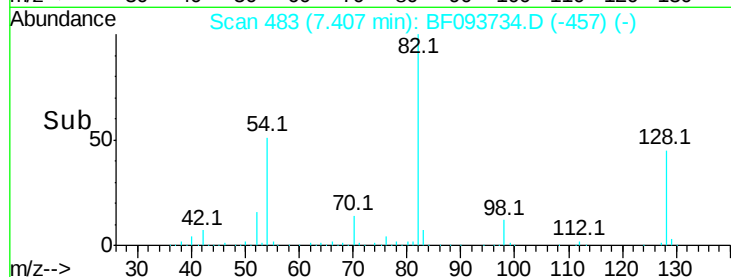
54 50.8 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 47.72 ng

RT: 7.41 min Scan# 483

Delta R.T. -0.26 min

Lab File: BF093734.D

Acq: 18 Mar 2017 5:59

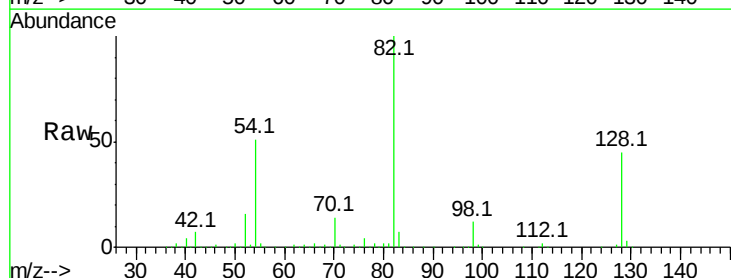
Tgt Ion: 82 Resp: 1202342

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

82 100

95 0.0 5.3 7.9#

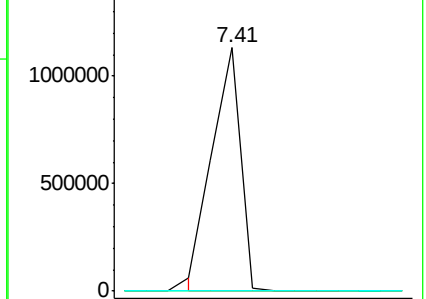
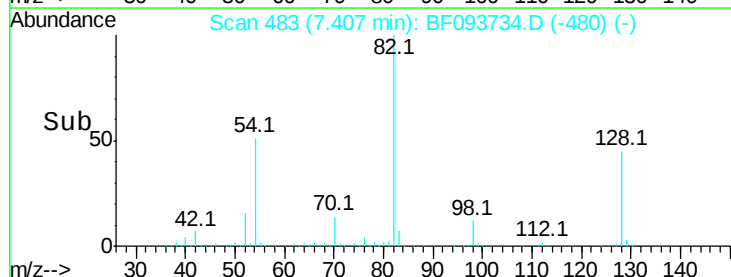
138 0.0 13.1 19.7#

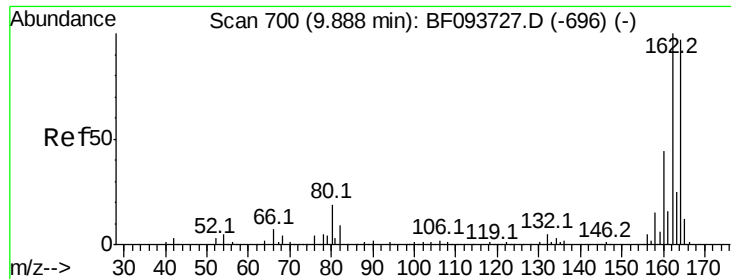


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

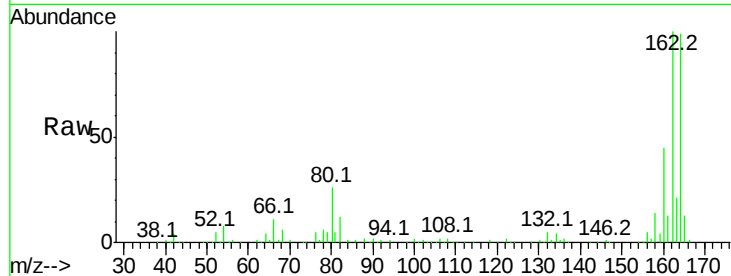




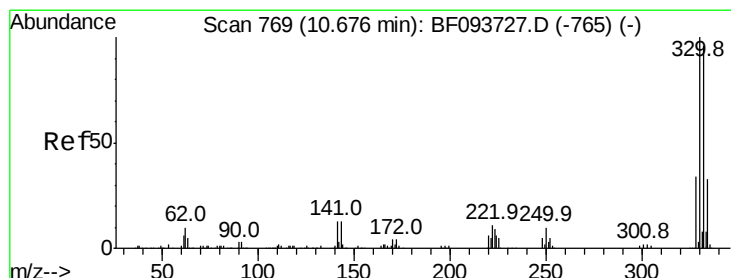
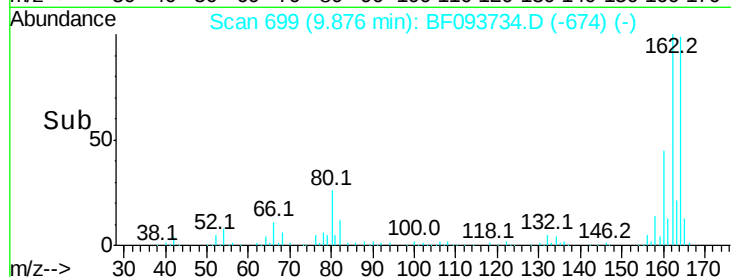
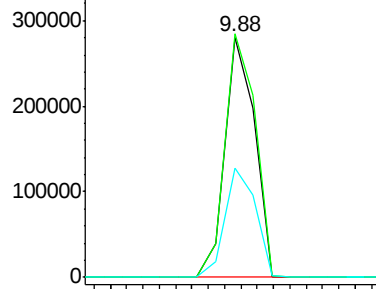
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF093734.D
Acq: 18 Mar 2017 5:59

Instrument :
BNA_F
ClientSampleId :
PB97674BL

Tot Ion:164 Resp: 356288
Ion Ratio Lower Upper
164 100
162 101.4 82.6 123.8
160 45.3 36.2 54.2

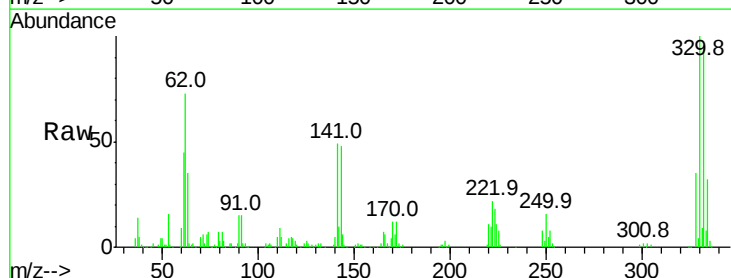


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

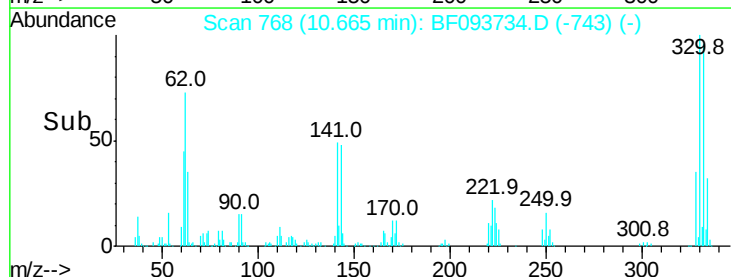
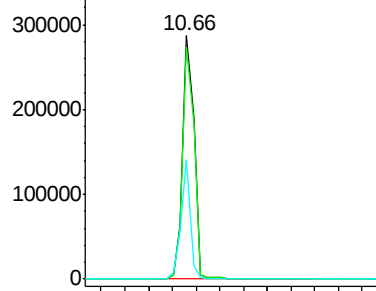


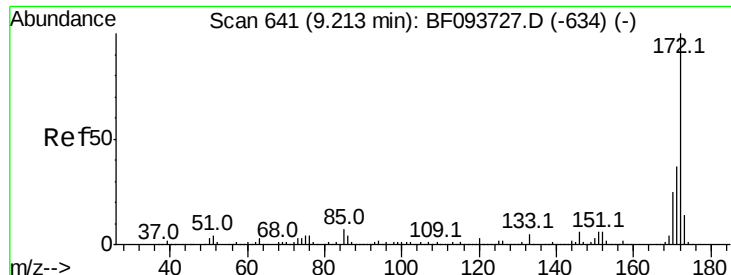
#41
2,4,6-Tribromophenol
Concen: 164.81 ng
RT: 10.66 min Scan# 768
Delta R.T. -0.01 min
Lab File: BF093734.D
Acq: 18 Mar 2017 5:59

Tgt Ion:330 Resp: 384292
Ion Ratio Lower Upper
330 100
332 96.5 76.6 115.0
141 40.1 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



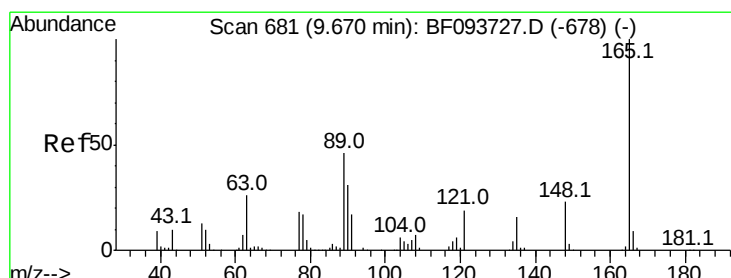
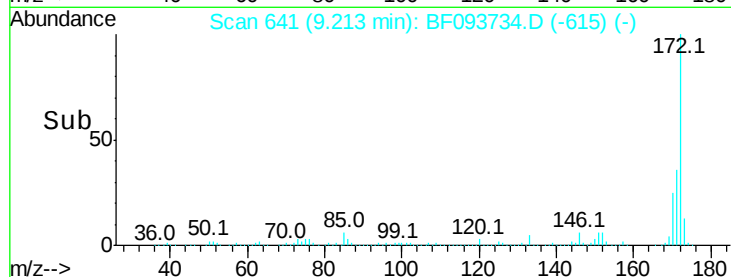
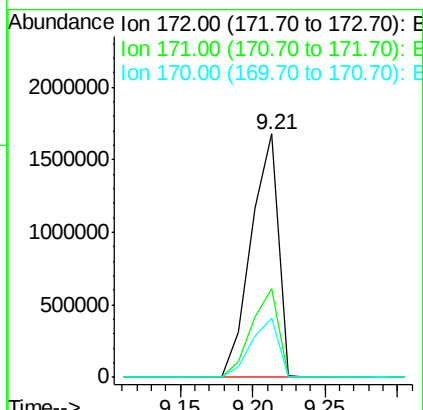
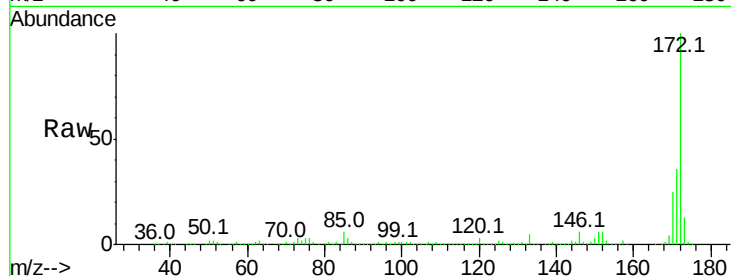


#44
 2-Fluorobiphenyl
 Concen: 114.98 ng
 RT: 9.21 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF093734.D
 Acq: 18 Mar 2017 5:59

Instrument :
 BNA_F
 ClientSampleId :
 PB97674BL

Tot Ion:172 Resp: 2170900

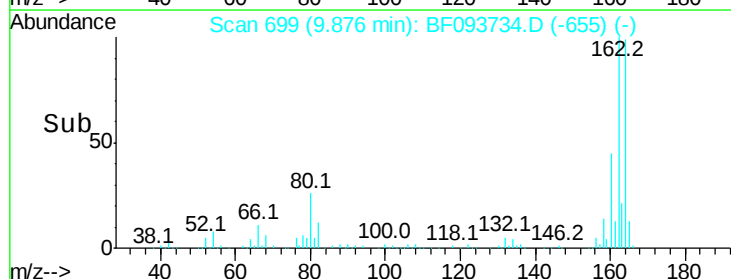
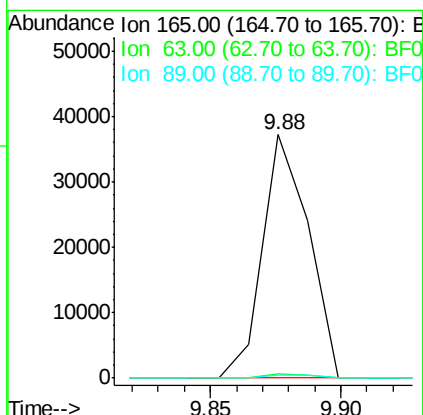
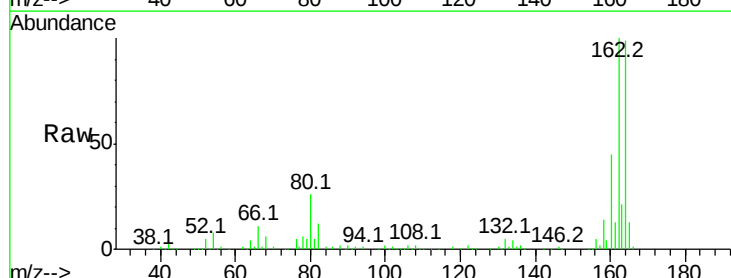
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	24.6	19.8	29.8

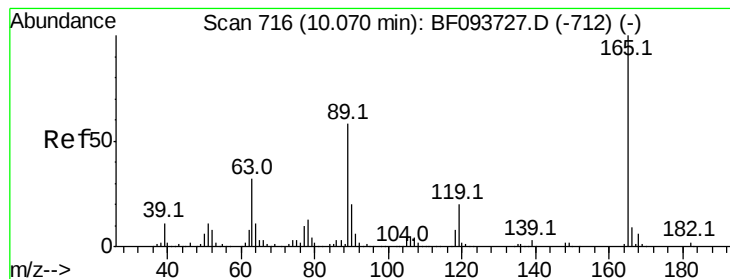


#50
 2,6-Dinitrotoluene
 Concen: 9.08 ng
 RT: 9.88 min Scan# 699
 Delta R.T. 0.21 min
 Lab File: BF093734.D
 Acq: 18 Mar 2017 5:59

Tgt Ion:165 Resp: 45630

Ion	Ratio	Lower	Upper
165	100		
63	1.5	34.3	51.5#
89	1.3	37.1	55.7#





#56

2,4-Dinitrotoluene

Concen: 6.82 ng

RT: 9.88 min Scan# 699

Delta R.T. -0.19 min

Lab File: BF093734.D

Acq: 18 Mar 2017 5:59

Instrument :

BNA_F

ClientSampled :

PB97674BL

Tot Ion:165 Resp: 45622

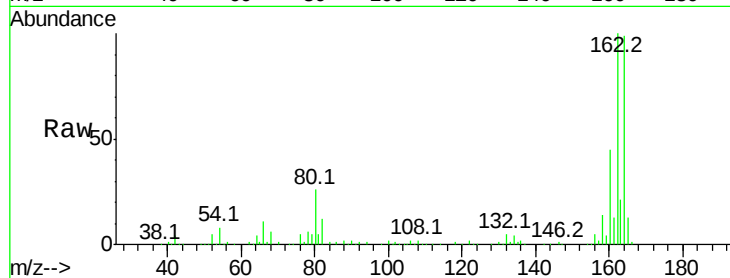
Ion Ratio Lower Upper

165 100

63 1.5 25.4 38.0#

89 1.3 46.4 69.6#

182 0.0 1.8 2.6#

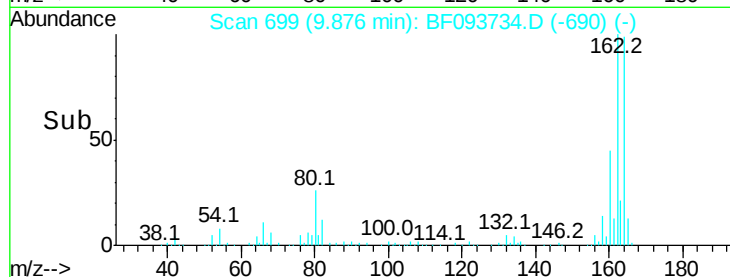


Abundance Ion 165.00 (164.70 to 165.70): E

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



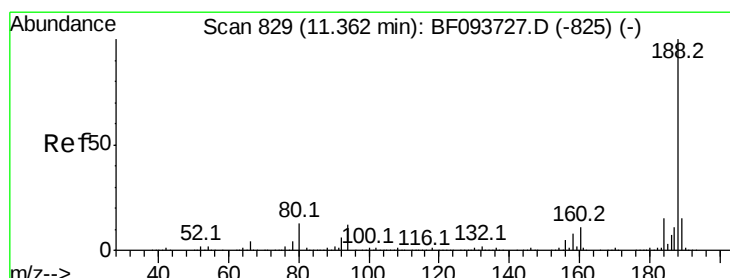
Abundance Ion 165.00 (164.70 to 165.70): E

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

Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 829

Delta R.T. -0.00 min

Lab File: BF093734.D

Acq: 18 Mar 2017 5:59

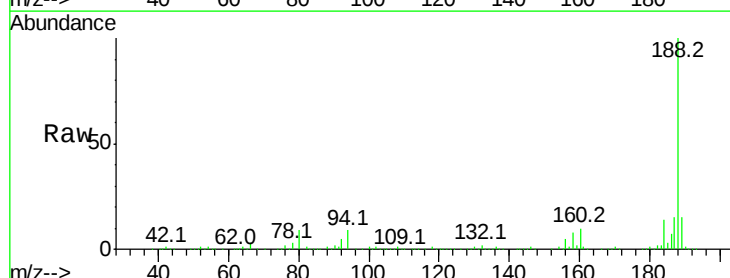
Tgt Ion:188 Resp: 707359

Ion Ratio Lower Upper

188 100

94 9.5 9.4 14.2

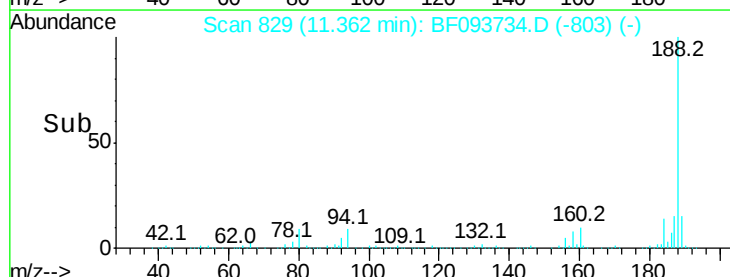
80 9.4 10.2 15.2#



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

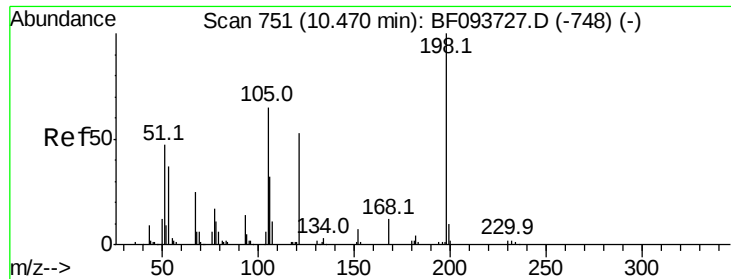


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 4.13 ng

RT: 10.66 min Scan# 768

Delta R.T. 0.19 min

Lab File: BF093734.D

Acq: 18 Mar 2017 5:59

Instrument :

BNA_F

ClientSampleId :

PB97674BL

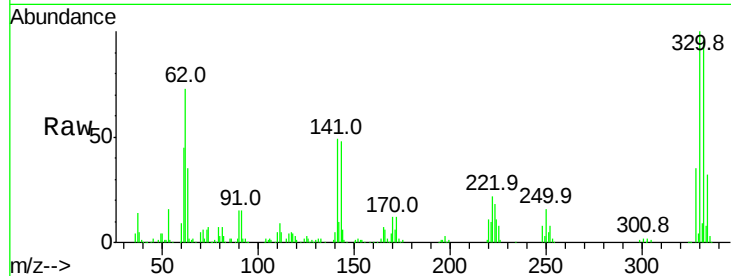
Tot Ion:198 Resp: 857

Ion Ratio Lower Upper

198 100

51 203.1 53.2 93.2#

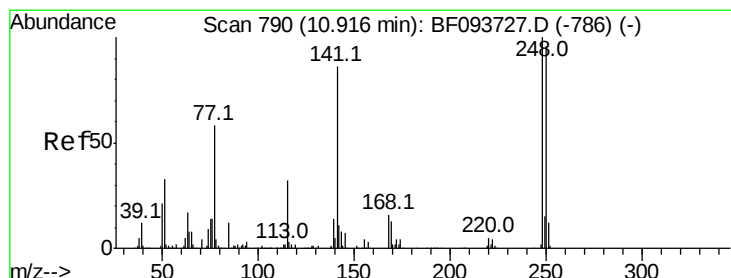
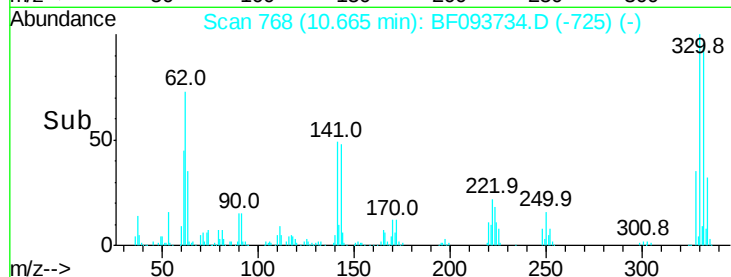
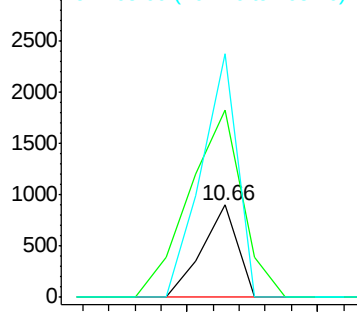
105 264.3 45.8 85.8#



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: 3.73 ng

RT: 10.66 min Scan# 768

Delta R.T. -0.25 min

Lab File: BF093734.D

Acq: 18 Mar 2017 5:59

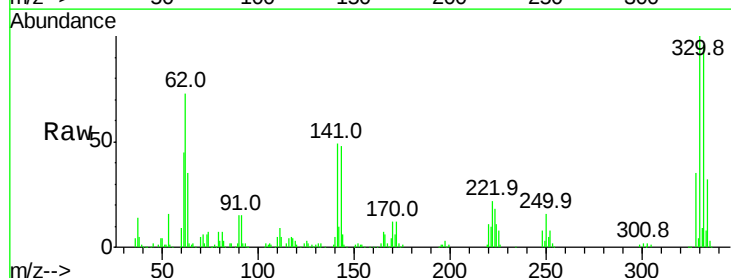
Tgt Ion:248 Resp: 24908

Ion Ratio Lower Upper

248 100

250 209.0 76.8 115.2#

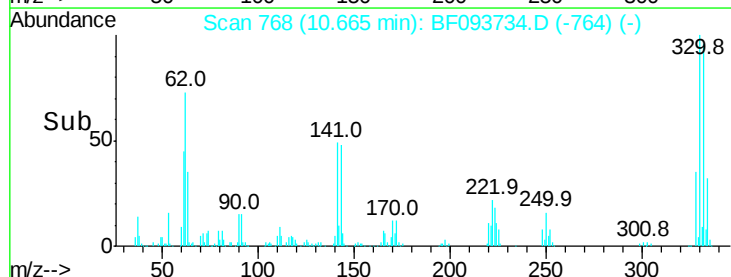
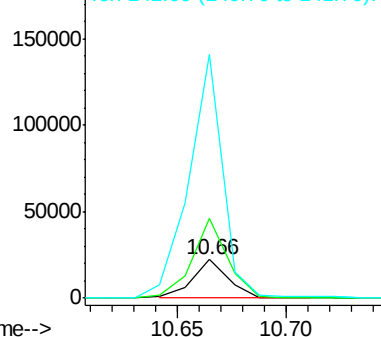
141 634.5 68.6 103.0#

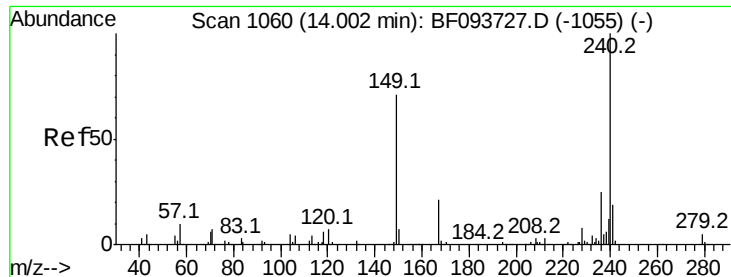


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF093734.D

Acq: 18 Mar 2017 5:59

Instrument :

BNA_F

ClientSampleId :

PB97674BL

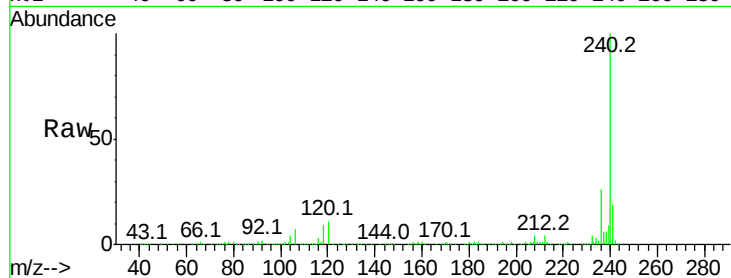
Tot Ion:240 Resp: 625323

Ion Ratio Lower Upper

240 100

120 10.6 5.8 8.8#

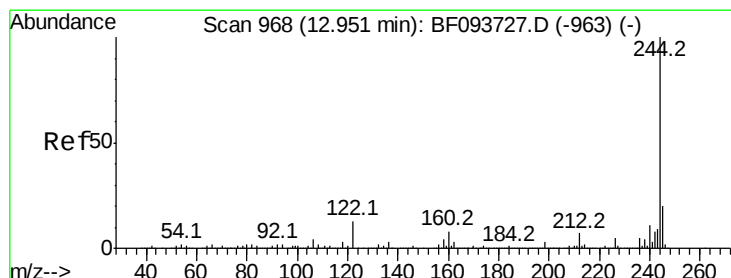
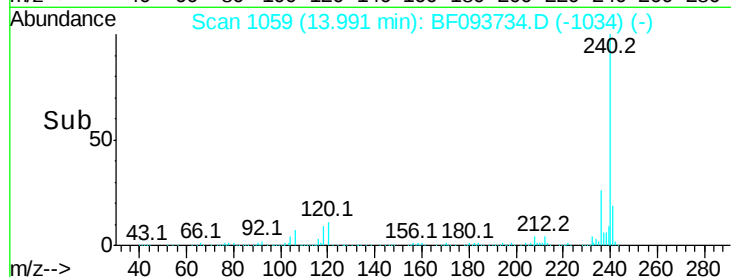
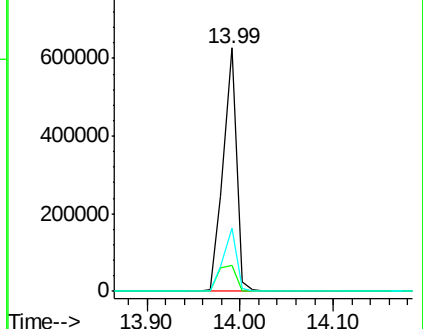
236 26.2 20.5 30.7



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: 57.51 ng

RT: 12.95 min Scan# 968

Delta R.T. -0.00 min

Lab File: BF093734.D

Acq: 18 Mar 2017 5:59

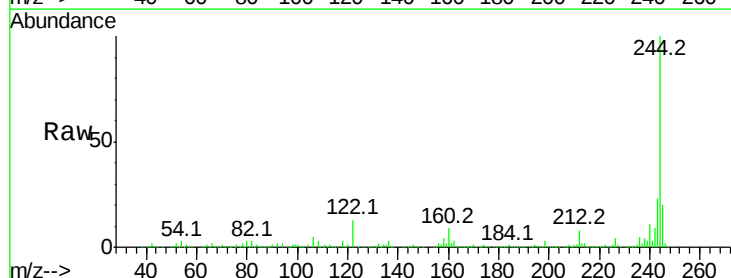
Tgt Ion:244 Resp: 1670650

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

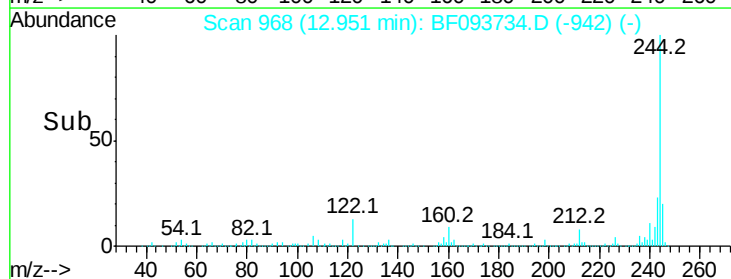
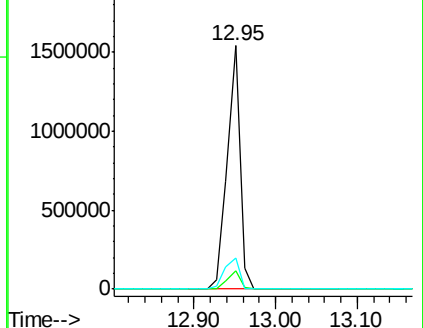
122 13.0 10.3 15.5

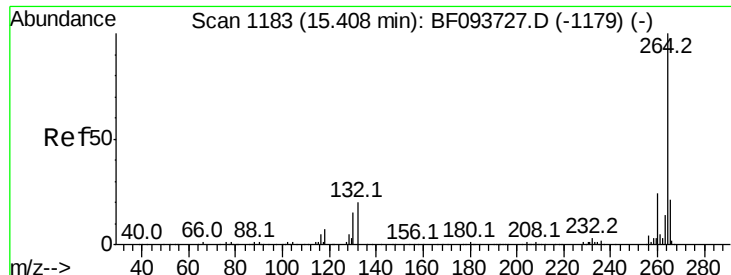


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

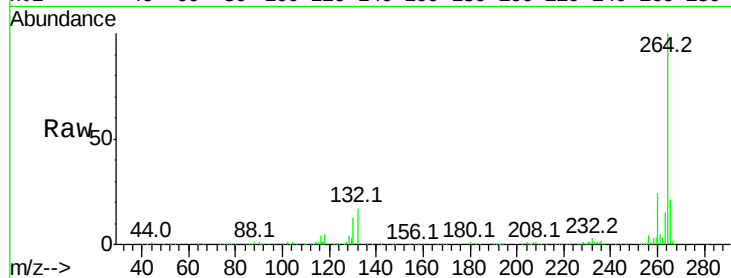




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: BF093734.D
 Acq: 18 Mar 2017 5:59

Instrument :
 BNA_F
 ClientSampleId :
 PB97674BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	20.8	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

