

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022017\
 Data File : BF093031.D
 Acq On : 20 Feb 2017 16:35
 Operator : SJ/MA
 Sample : PB97057BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97057BL

Quant Time: Feb 20 17:34:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

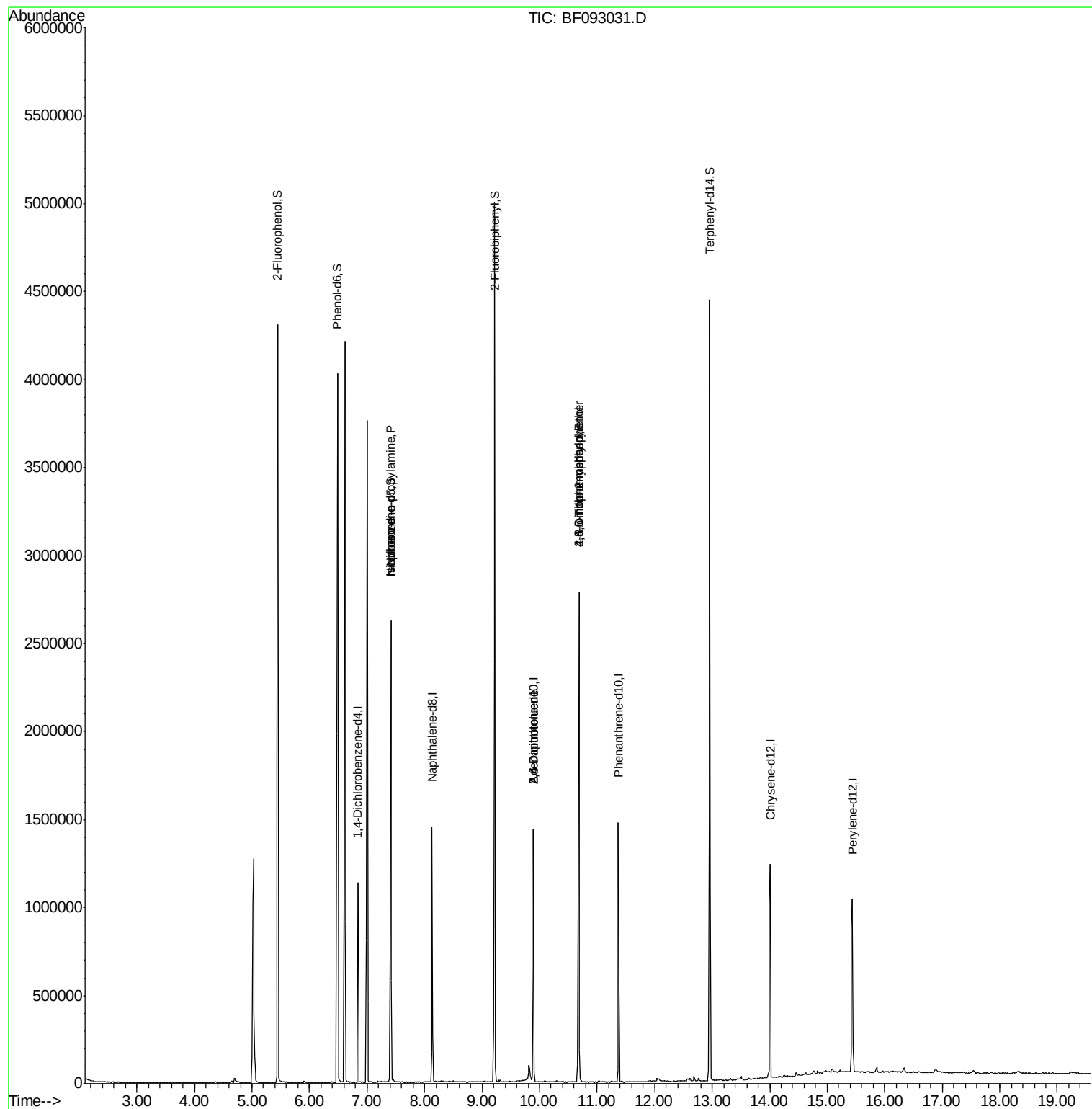
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	161417	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	634366	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	318607	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	577240	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	580813	20.00	ng	-0.01
86) Perylene-d12	15.44	264	497023	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1257100	133.61	ng	0.00
7) Phenol-d6	6.49	99	1539551	127.17	ng	0.00
23) Nitrobenzene-d5	7.41	82	943879	82.86	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	327029	141.92	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1789874	101.78	ng	0.00
78) Terphenyl-d14	12.96	244	1597881	64.64	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	126916	16.47	ng	# 82
25) Isophorone	7.41	82	747658	35.22	ng	# 65
50) 2,6-Dinitrotoluene	9.89	165	40215	8.68	ng	# 31
56) 2,4-Dinitrotoluene	9.89	165	40215	6.52	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.68	198	931	2.92	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	25236	4.18	ng	# 1

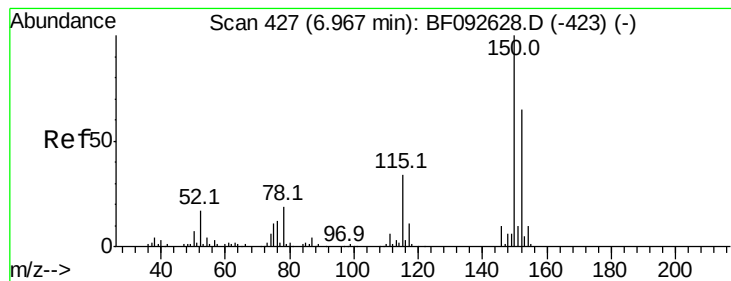
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF093031.D

Acq: 20 Feb 2017 16:35

Instrument :

BNA_F

ClientSampleId :

PB97057BL

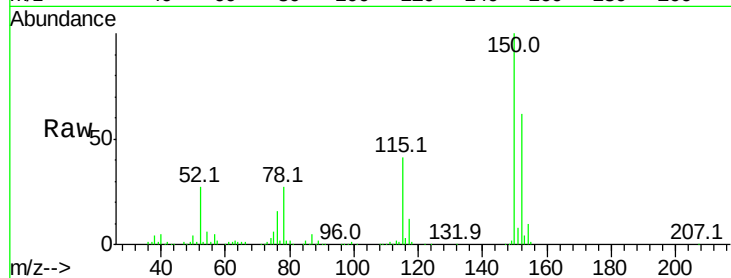
Tot Ion:152 Resp: 161417

Ion Ratio Lower Upper

152 100

150 161.1 124.9 187.3

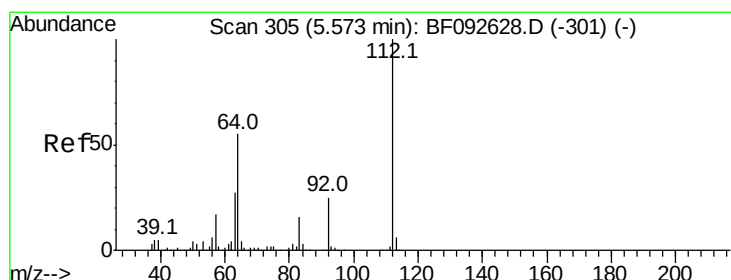
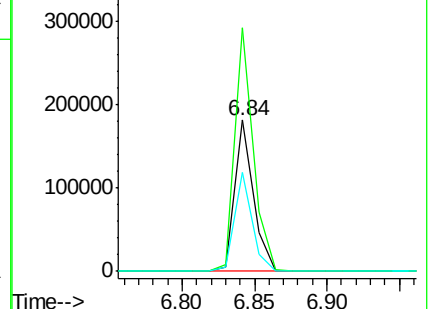
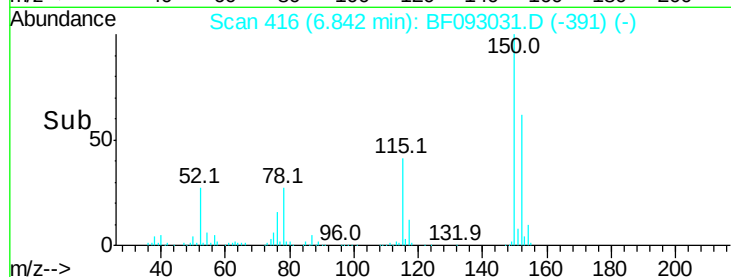
115 65.4 46.0 69.0



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: 133.61 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.00 min

Lab File: BF093031.D

Acq: 20 Feb 2017 16:35

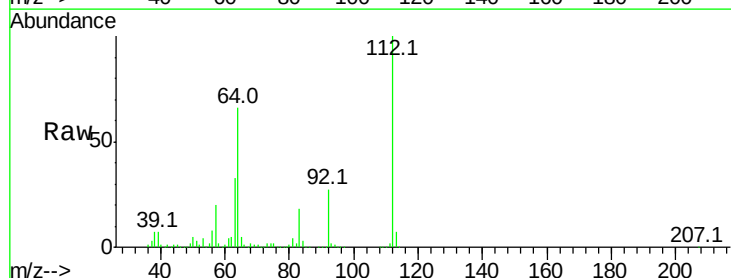
Tgt Ion:112 Resp: 1257100

Ion Ratio Lower Upper

112 100

64 66.3 46.1 69.1

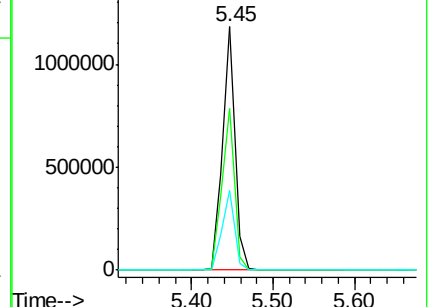
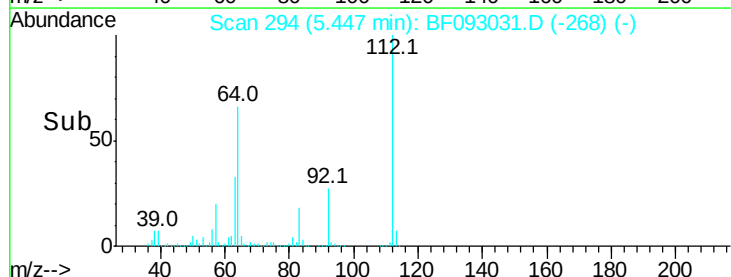
63 33.0 23.8 35.6

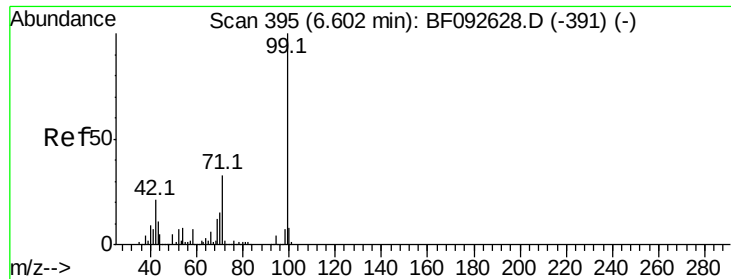


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 127.17 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF093031.D

Acq: 20 Feb 2017 16:35

Instrument :

BNA_F

ClientSampleId :

PB97057BL

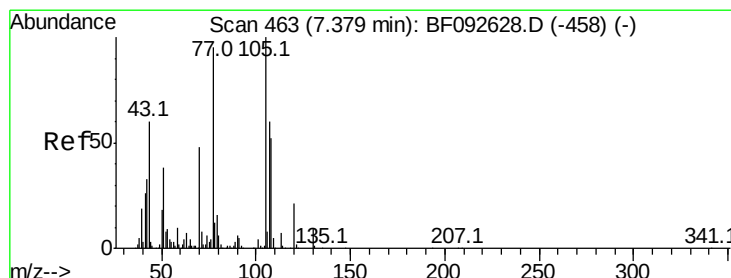
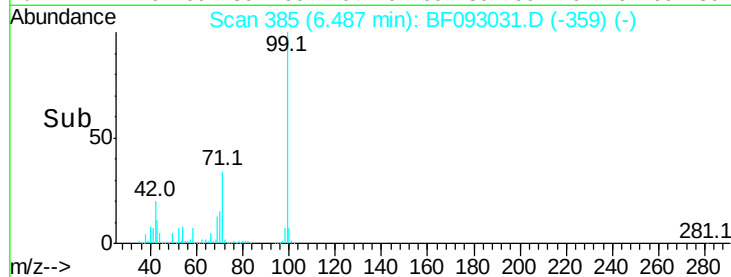
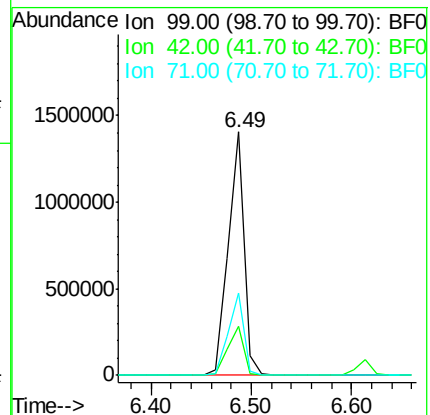
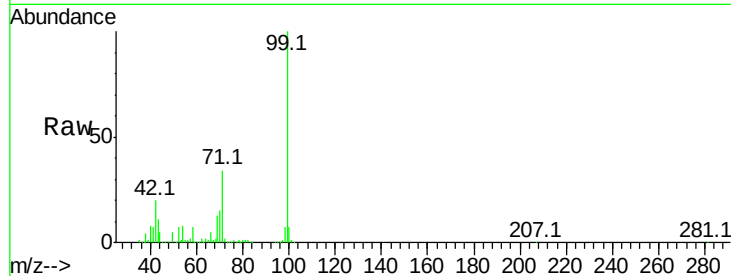
Tot Ion: 99 Resp: 1539551

Ion Ratio Lower Upper

99 100

42 19.9 15.6 23.4

71 33.6 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.47 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF093031.D

Acq: 20 Feb 2017 16:35

Tgt Ion: 70 Resp: 126916

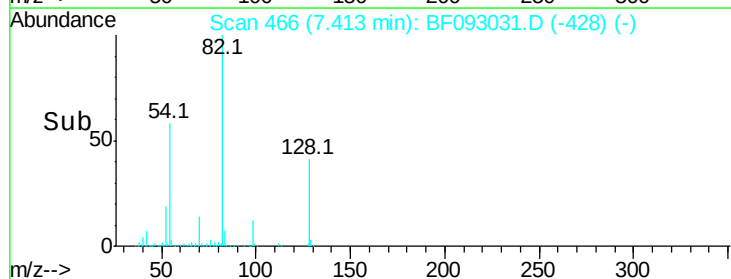
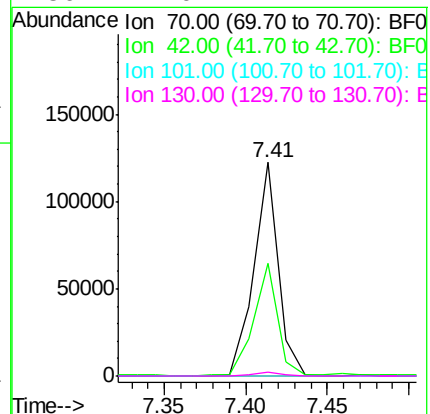
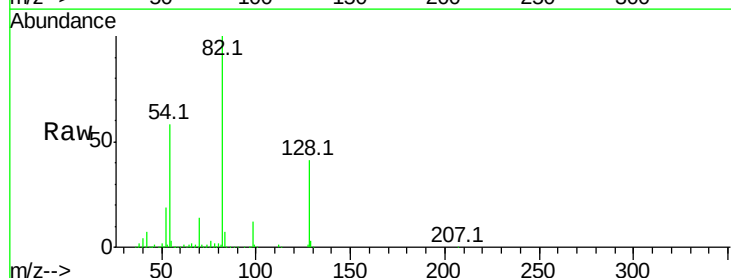
Ion Ratio Lower Upper

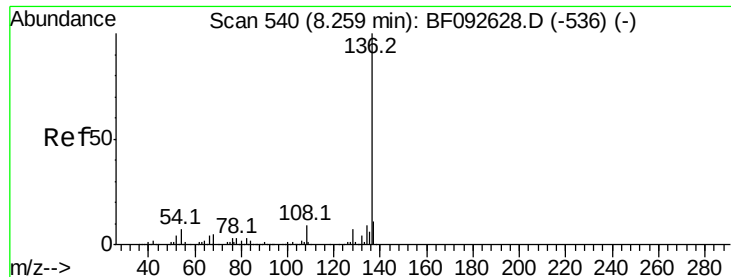
70 100

42 52.5 49.4 74.0

101 0.0 7.4 11.2#

130 2.0 14.2 21.4#

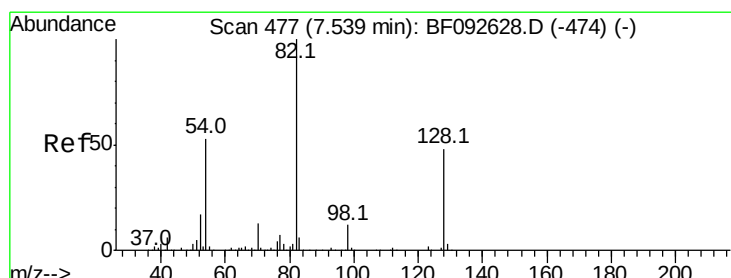
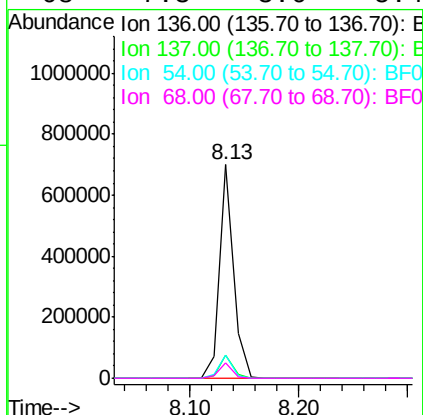
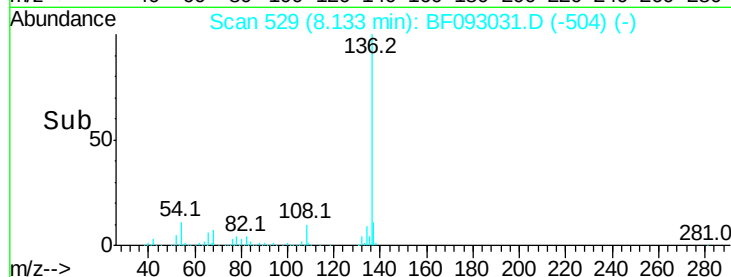
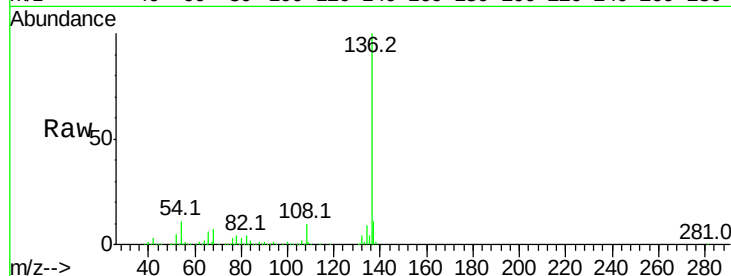




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF093031.D
Acq: 20 Feb 2017 16:35

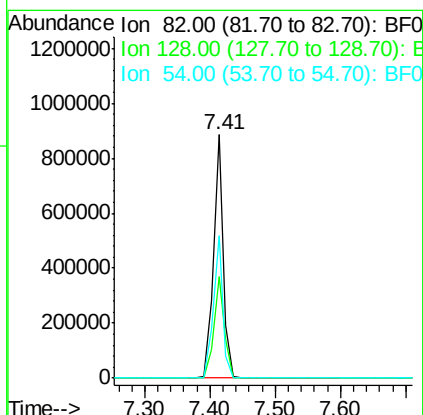
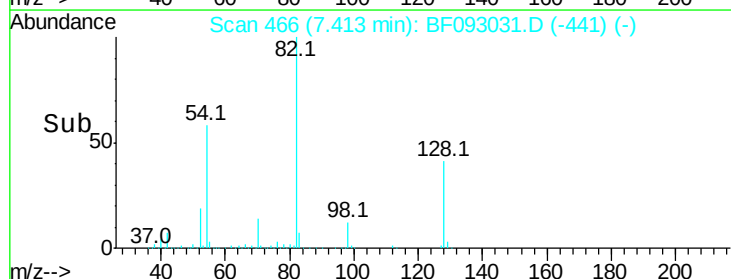
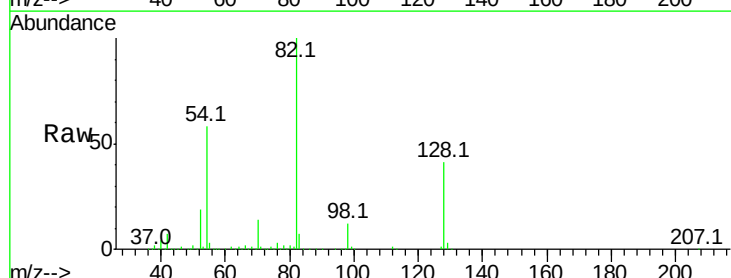
Instrument :
BNA_F
ClientSampleId :
PB97057BL

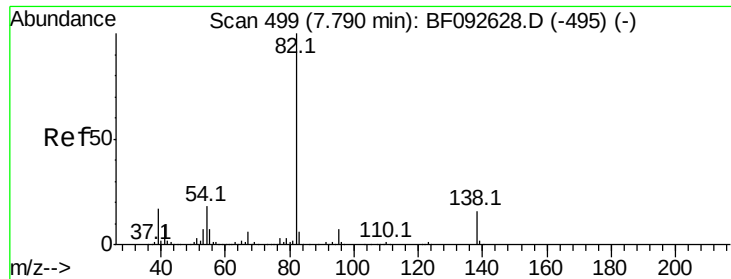
Tot Ion:136	Resp: 634366
Ion Ratio	Lower Upper
136 100	
137 11.0	8.4 12.6
54 10.7	4.5 6.7#
68 7.3	3.6 5.4#



#23
Nitrobenzene-d5
Concen: 82.86 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093031.D
Acq: 20 Feb 2017 16:35

Tgt Ion: 82	Resp: 943879
Ion Ratio	Lower Upper
82 100	
128 41.5	34.6 52.0
54 58.4	39.5 59.3





#25

Isophorone

Concen: 35.22 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.27 min

Lab File: BF093031.D

Acq: 20 Feb 2017 16:35

Instrument :

BNA_F

ClientSampleId :

PB97057BL

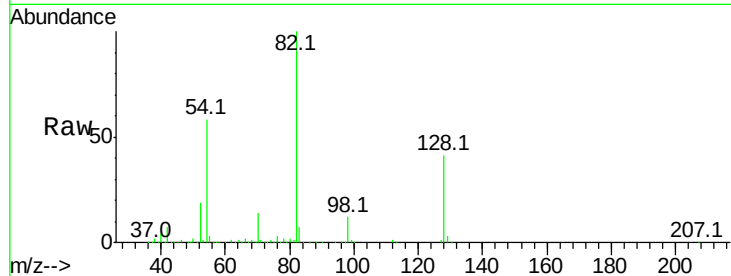
Tot Ion: 82 Resp: 747658

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

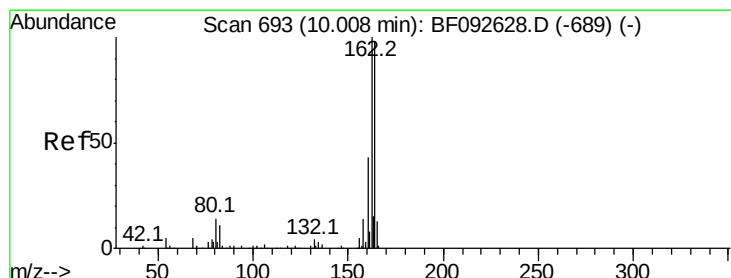
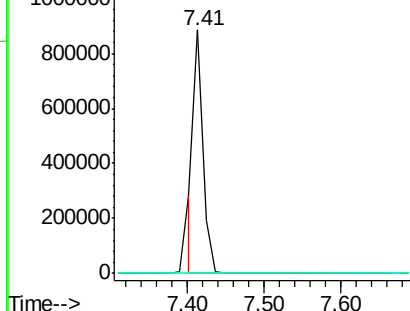
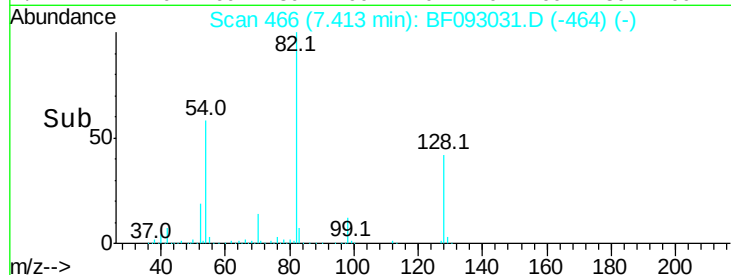
138 0.0 14.6 22.0#



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: 9.89 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF093031.D

Acq: 20 Feb 2017 16:35

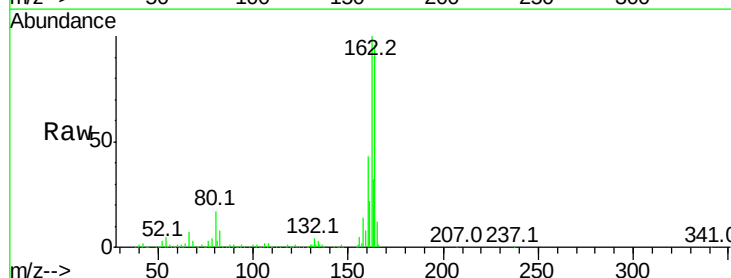
Tgt Ion:164 Resp: 318607

Ion Ratio Lower Upper

164 100

162 104.6 80.2 120.2

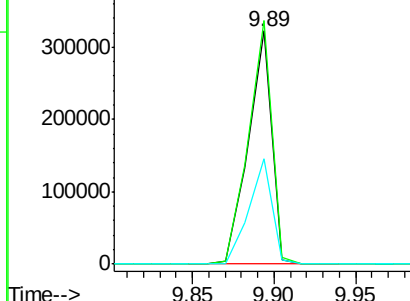
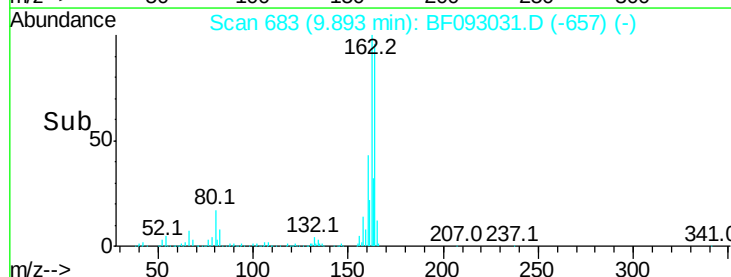
160 45.1 36.9 55.3

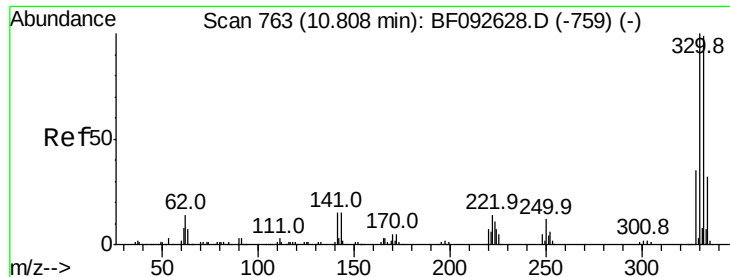


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

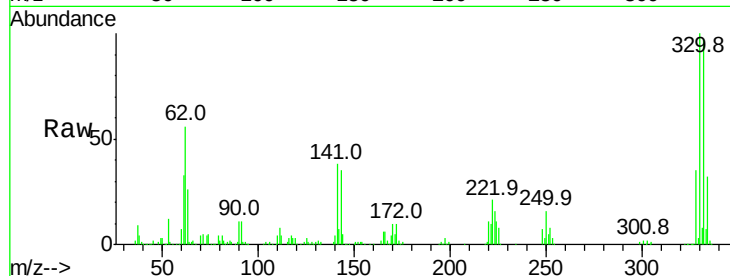




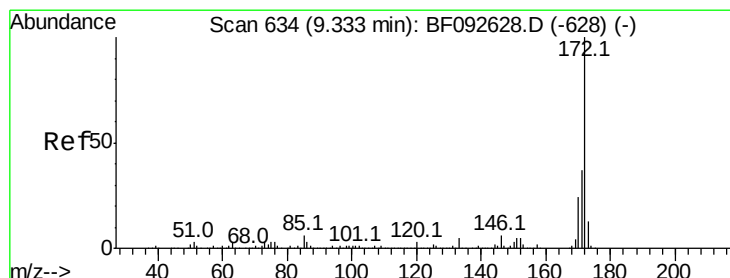
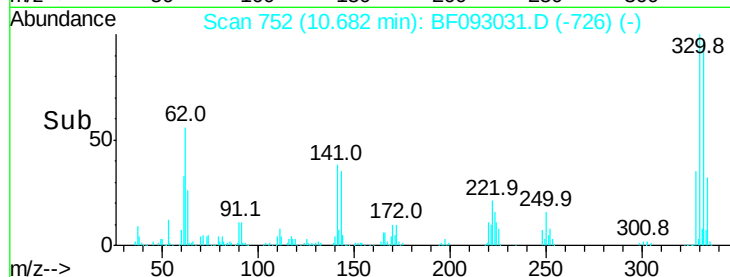
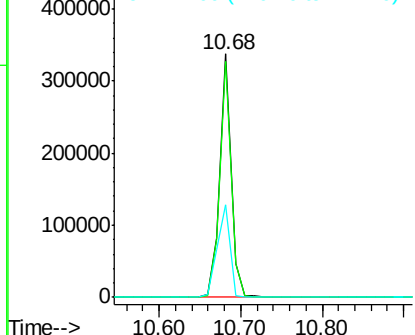
#41
 2,4,6-Tribromophenol
 Concen: 141.92 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF093031.D
 Acq: 20 Feb 2017 16:35

Instrument :
 BNA_F
 ClientSampleId :
 PB97057BL

Tot Ion:330 Resp: 327029
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.4 116.2
 141 43.0 34.1 51.1

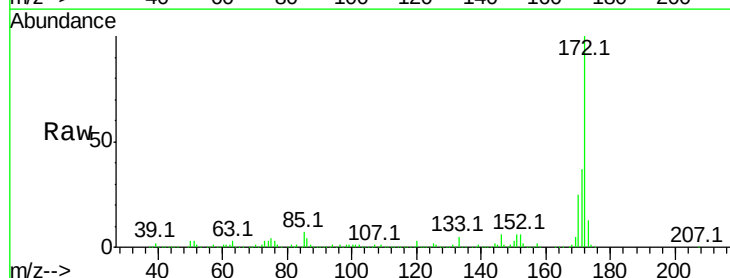


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

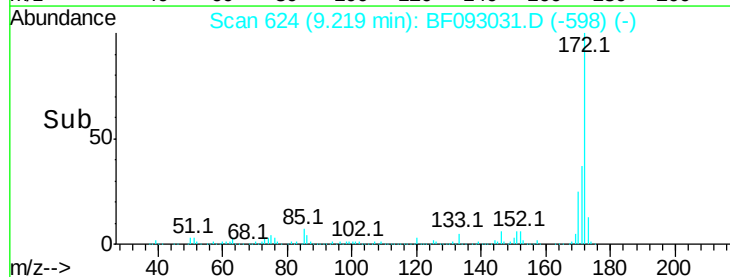
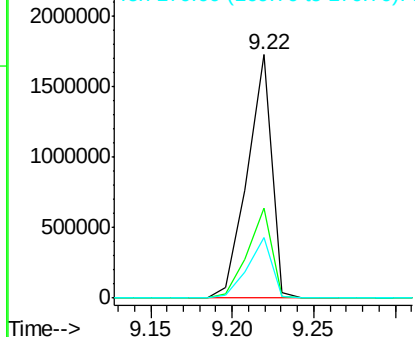


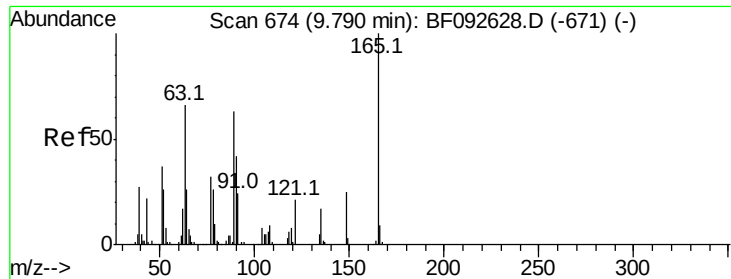
#44
 2-Fluorobiphenyl
 Concen: 101.78 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF093031.D
 Acq: 20 Feb 2017 16:35

Tgt Ion:172 Resp: 1789874
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.4 44.0
 170 25.0 20.2 30.4



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

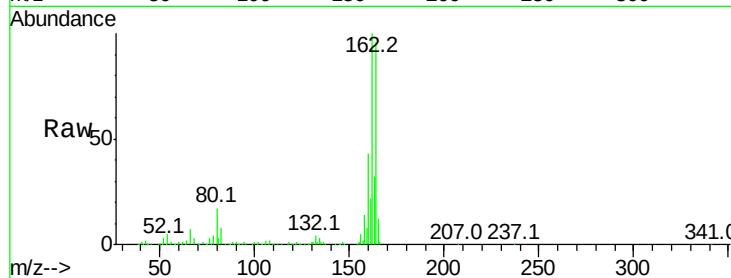




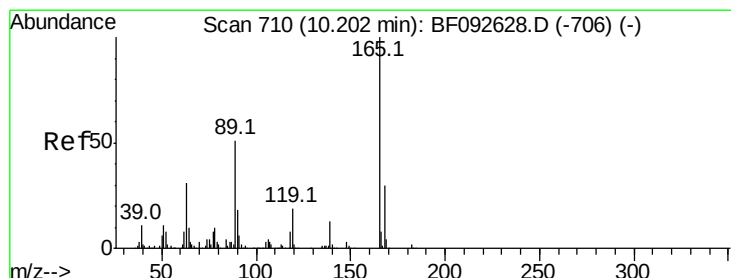
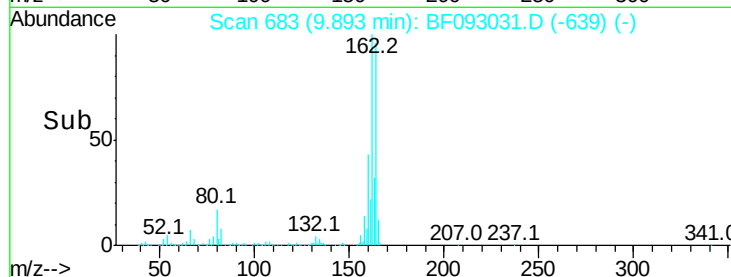
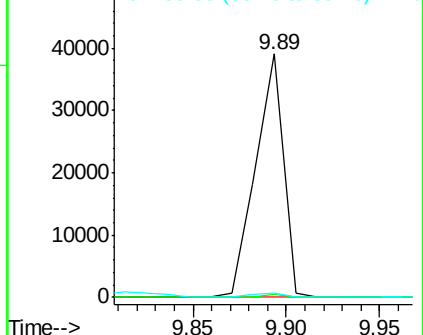
#50
2,6-Dinitrotoluene
Concen: 8.68 ng
RT: 9.89 min Scan# 683
Delta R.T. 0.21 min
Lab File: BF093031.D
Acq: 20 Feb 2017 16:35

Instrument :
BNA_F
ClientSampleId :
PB97057BL

Tot Ion:165 Resp: 40215
Ion Ratio Lower Upper
165 100
63 1.3 36.2 54.4#
89 1.7 40.2 60.4#

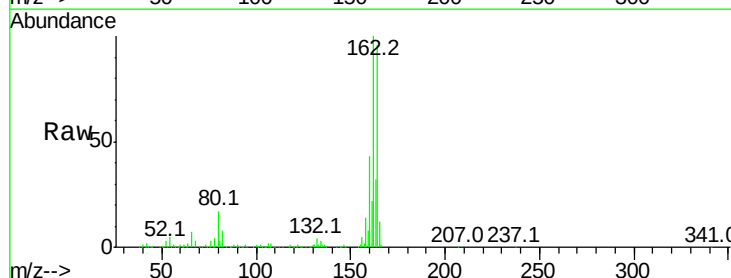


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

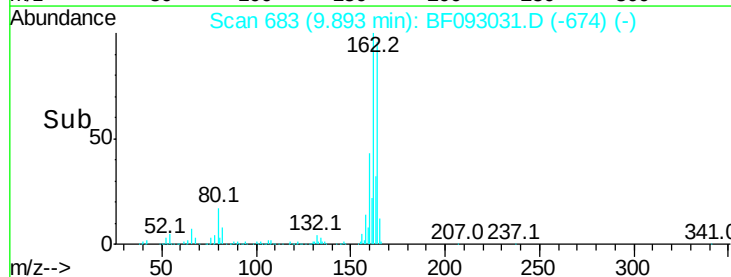
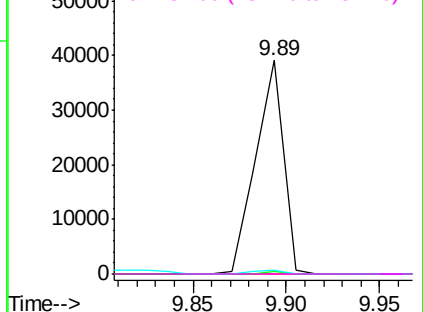


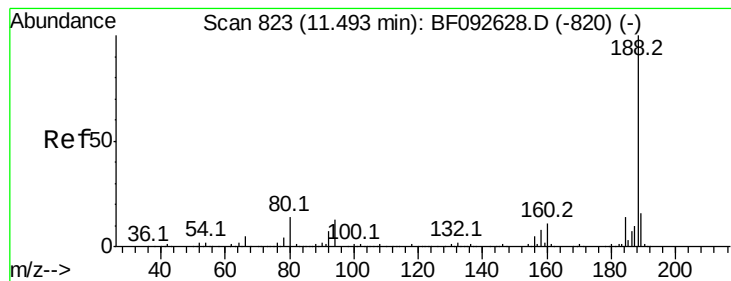
#56
2,4-Dinitrotoluene
Concen: 6.52 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.19 min
Lab File: BF093031.D
Acq: 20 Feb 2017 16:35

Tgt Ion:165 Resp: 40215
Ion Ratio Lower Upper
165 100
63 1.3 40.2 60.4#
89 1.7 62.5 93.7#
182 0.0 1.8 2.8#



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: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF093031.D

Acq: 20 Feb 2017 16:35

Instrument :

BNA_F

ClientSampleId :

PB97057BL

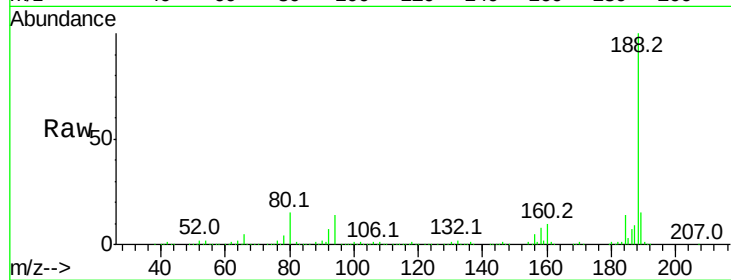
Tot Ion:188 Resp: 577240

Ion Ratio Lower Upper

188 100

94 14.0 10.0 15.0

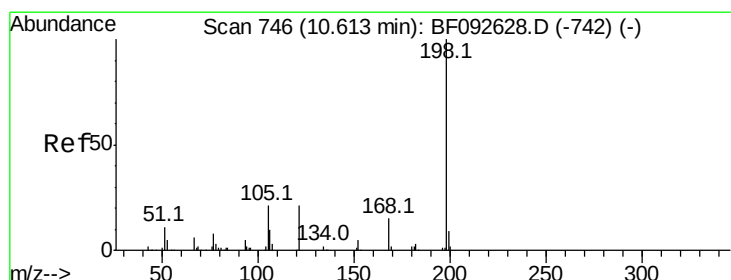
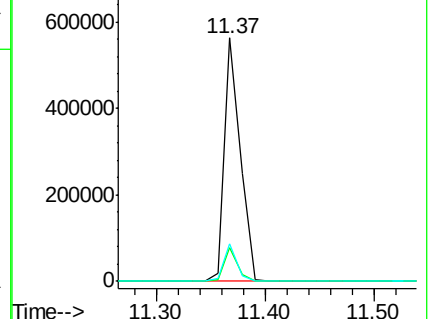
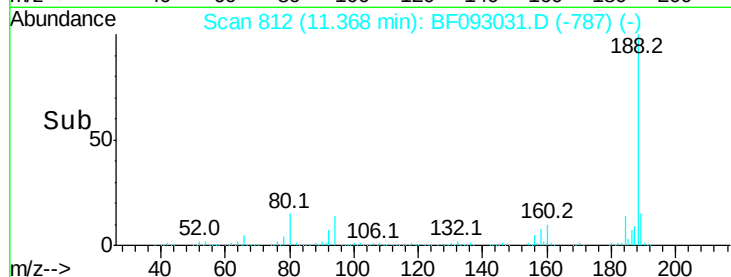
80 15.3 11.2 16.8



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: 2.92 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.18 min

Lab File: BF093031.D

Acq: 20 Feb 2017 16:35

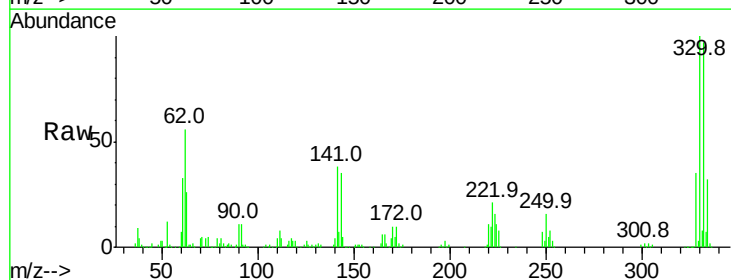
Tgt Ion:198 Resp: 931

Ion Ratio Lower Upper

198 100

51 152.0 6.7 46.7#

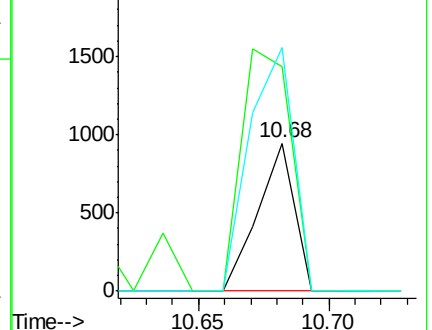
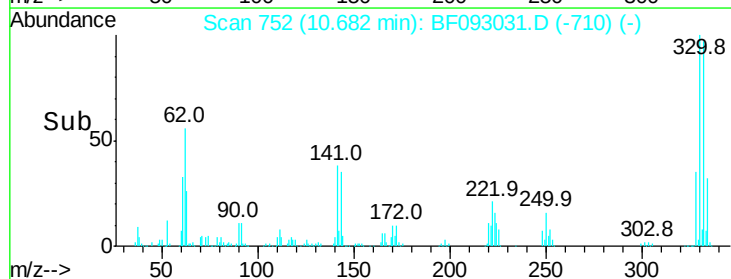
105 164.8 16.6 56.6#

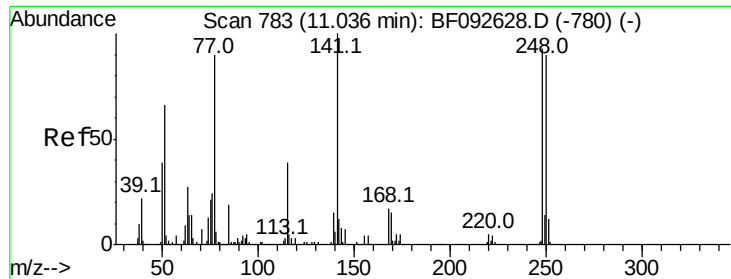


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 4.18 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.24 min

Lab File: BF093031.D

Acq: 20 Feb 2017 16:35

Instrument :

BNA_F

ClientSampleId :

PB97057BL

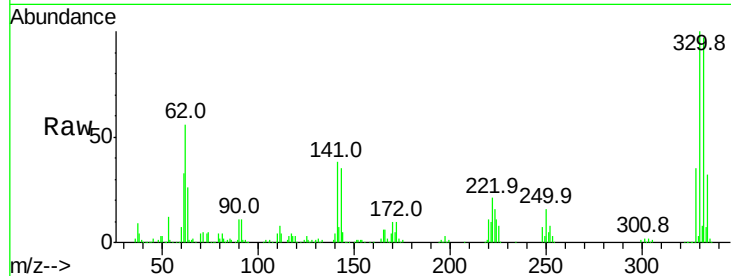
Tot Ion:248 Resp: 25236

Ion Ratio Lower Upper

248 100

250 210.7 76.9 115.3#

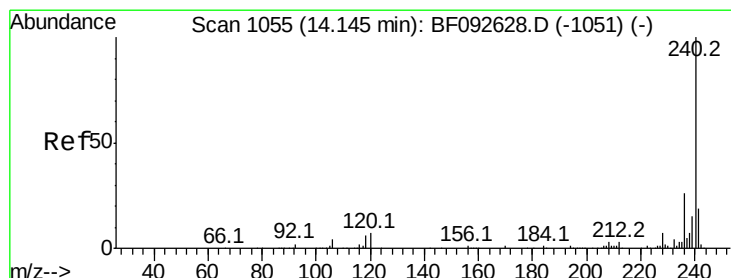
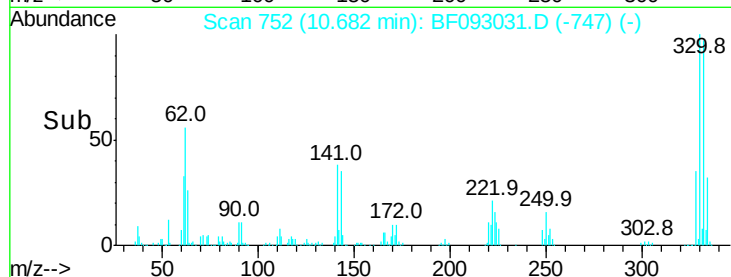
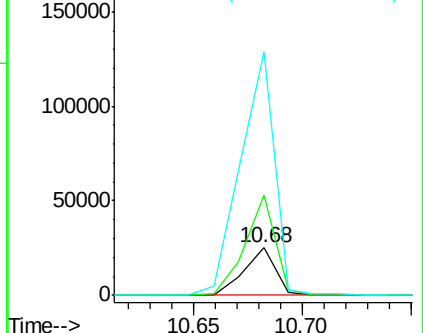
141 510.7 68.2 102.4#



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: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093031.D

Acq: 20 Feb 2017 16:35

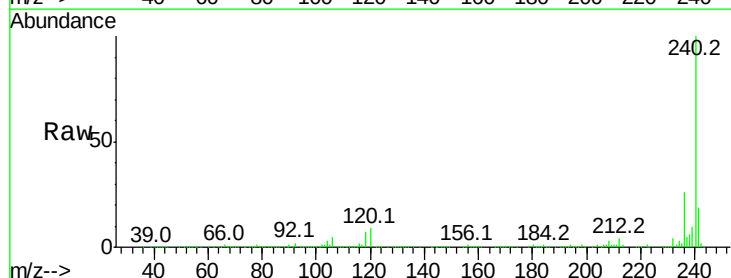
Tgt Ion:240 Resp: 580813

Ion Ratio Lower Upper

240 100

120 8.5 12.9 19.3#

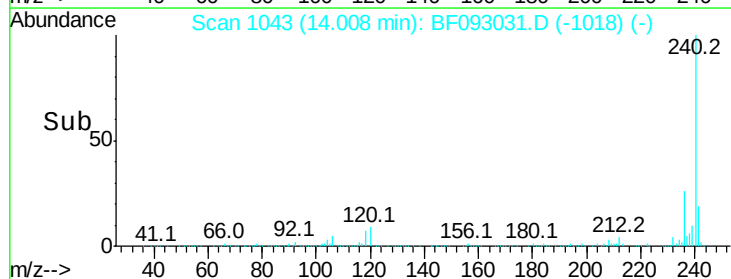
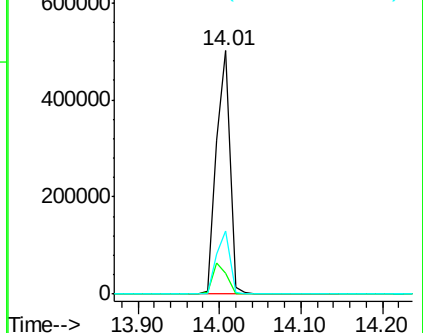
236 25.8 20.9 31.3

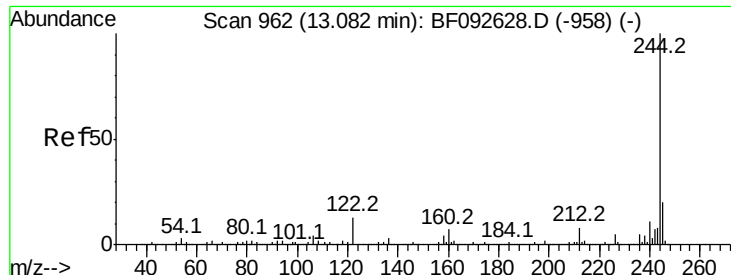


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

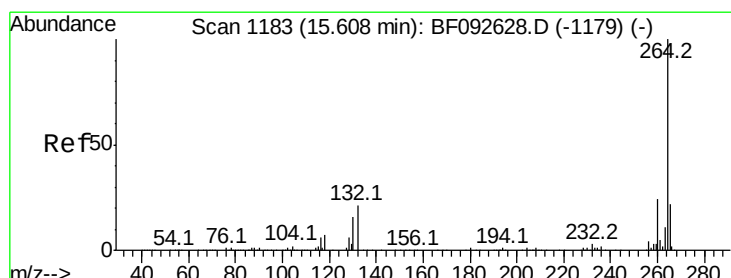
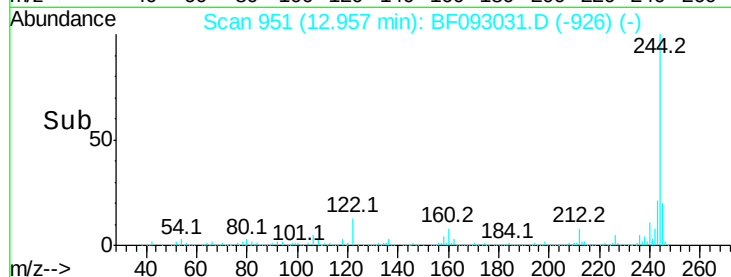
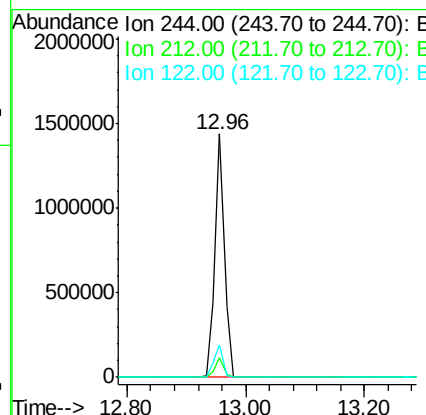
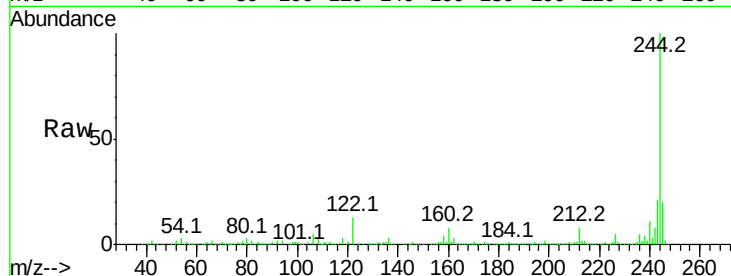




#78
 Terphenyl-d14
 Concen: 64.64 ng
 RT: 12.96 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF093031.D
 Acq: 20 Feb 2017 16:35

Instrument :
 BNA_F
 ClientSampleId :
 PB97057BL

Tot Ion:244 Resp: 1597881
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.2
 122 13.3 11.4 17.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF093031.D
 Acq: 20 Feb 2017 16:35

Tgt Ion:264 Resp: 497023
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.2 28.8
 265 21.5 17.4 26.0

