

Data Path : Z:\HPCHEM1\BNA F\Data\BF022017\
 Data File : BF093061.D
 Acq On : 21 Feb 2017 8:07
 Operator : SJ/MA
 Sample : I1884-09
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 21 13:17:02 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

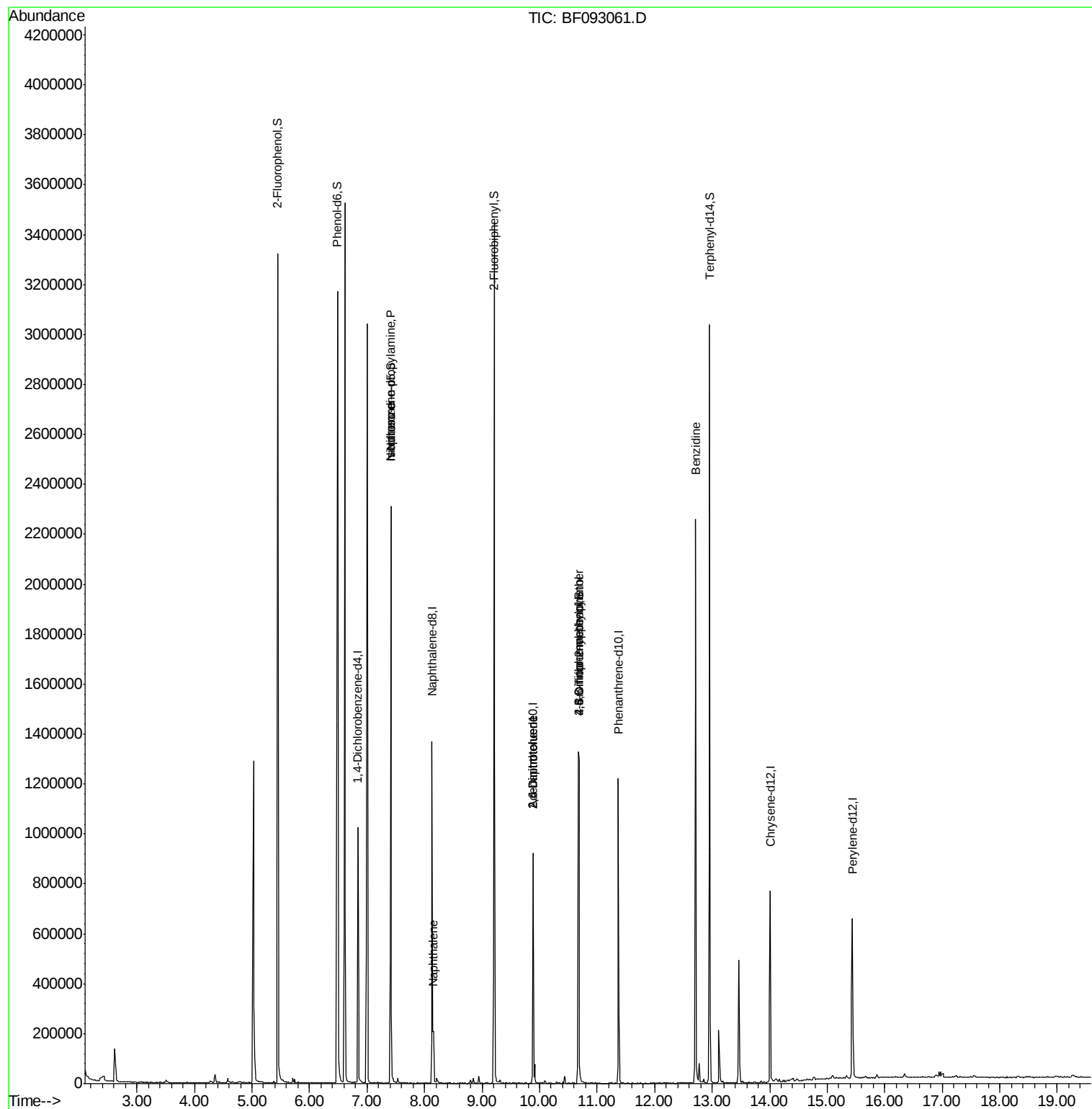
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	155629	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	586670	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	253046	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	436703	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	291324	20.00	ng	-0.01
86) Perylene-d12	15.44	264	289810	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	912679	100.61	ng	0.00
7) Phenol-d6	6.49	99	1190567	102.00	ng	0.00
23) Nitrobenzene-d5	7.41	82	737103	69.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	240207	131.25	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1260029	90.21	ng	-0.01
78) Terphenyl-d14	12.96	244	929183	74.94	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	97927	13.18	ng	# 81
25) Isophorone	7.41	82	623695	31.77	ng	# 65
31) Naphthalene	8.16	128	83994	2.82	ng	97
50) 2,6-Dinitrotoluene	9.88	165	31319	8.51	ng	# 32
56) 2,4-Dinitrotoluene	9.88	165	31321	6.39	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.68	198	583	2.88	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	17685	3.88	ng	# 1
76) Benzidine	12.72	184	1145456	92.27	ng	95

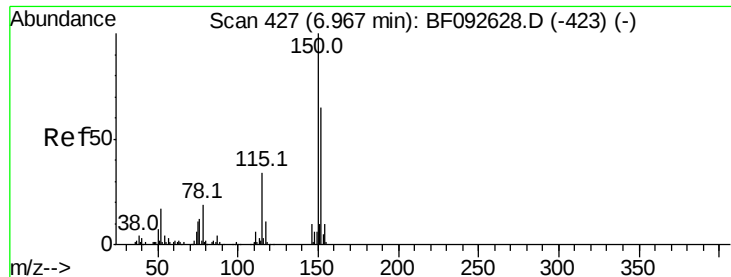
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF093061.D

Acq: 21 Feb 2017 8:07

Instrument :

BNA_F

ClientSampleId :

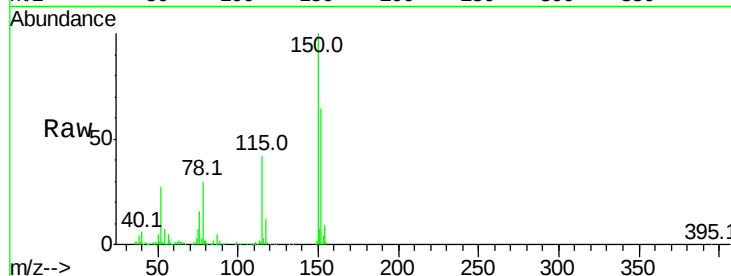
Tot Ion:152 Resp: 155629

Ion Ratio Lower Upper

152 100

150 156.9 124.9 187.3

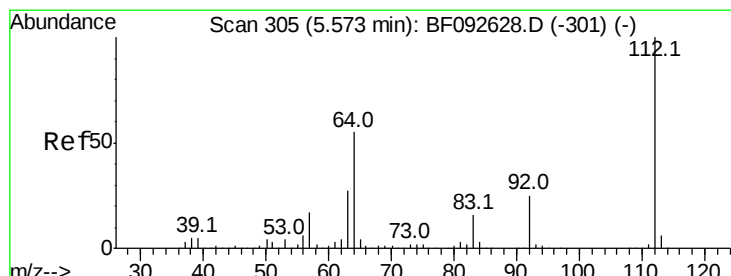
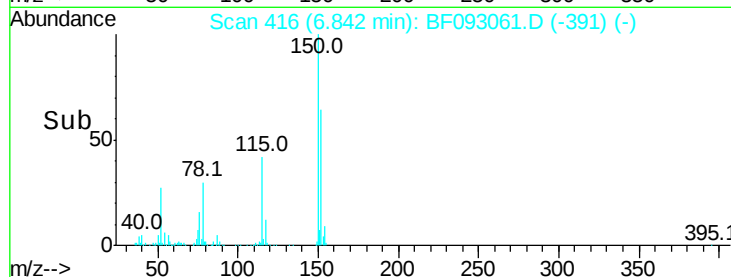
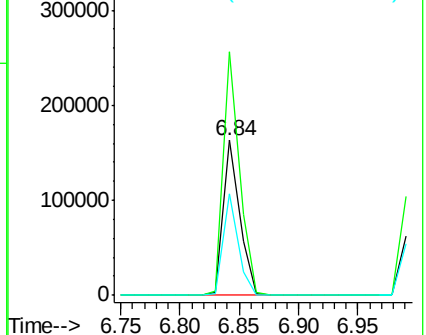
115 65.8 46.0 69.0



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: 100.61 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.00 min

Lab File: BF093061.D

Acq: 21 Feb 2017 8:07

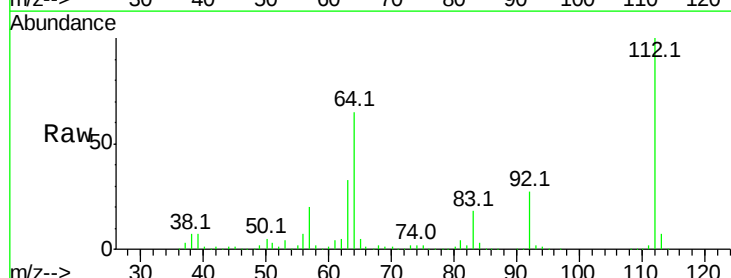
Tgt Ion:112 Resp: 912679

Ion Ratio Lower Upper

112 100

64 64.5 46.1 69.1

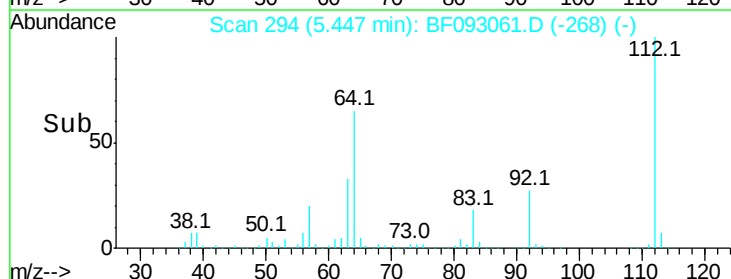
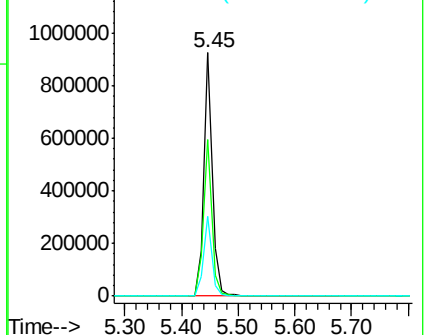
63 32.6 23.8 35.6

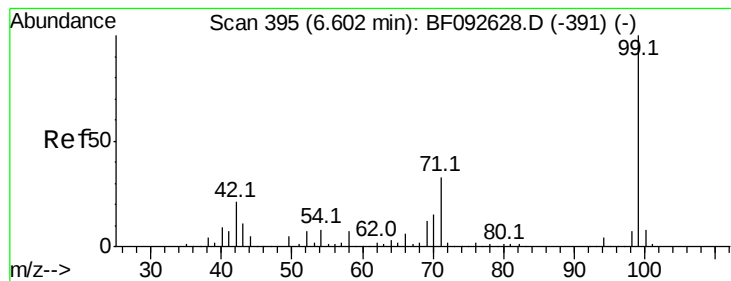


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.00 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF093061.D

Acq: 21 Feb 2017 8:07

Instrument :

BNA_F

ClientSampleId :

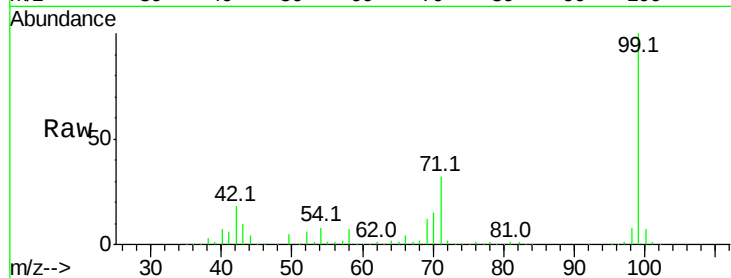
Tot Ion: 99 Resp: 1190567

Ion Ratio Lower Upper

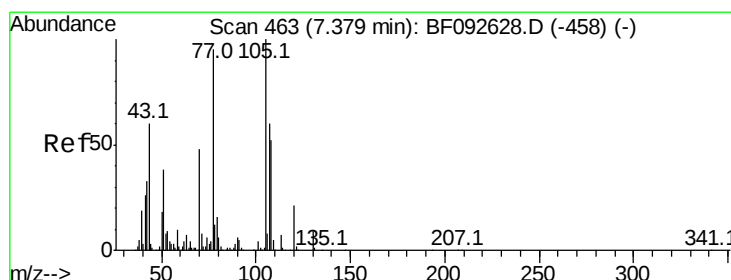
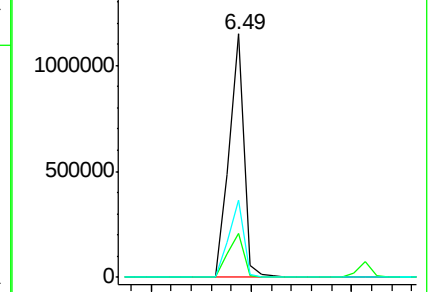
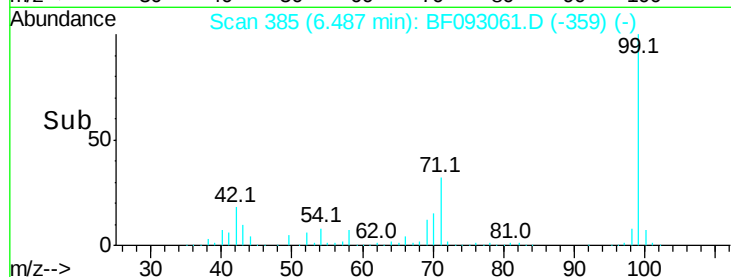
99 100

42 18.1 15.6 23.4

71 31.5 27.5 41.3



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: 13.18 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF093061.D

Acq: 21 Feb 2017 8:07

Tgt Ion: 70 Resp: 97927

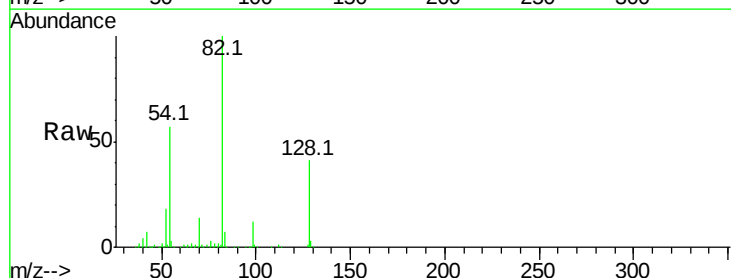
Ion Ratio Lower Upper

70 100

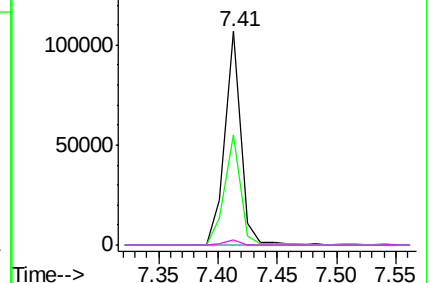
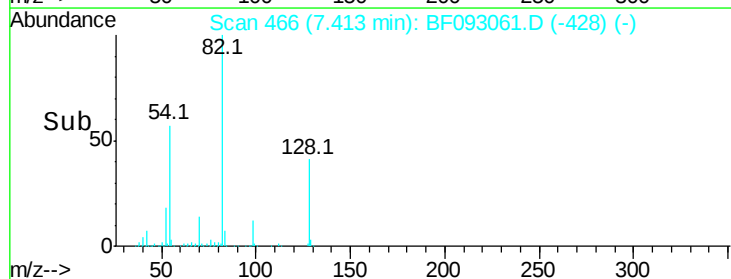
42 51.4 49.4 74.0

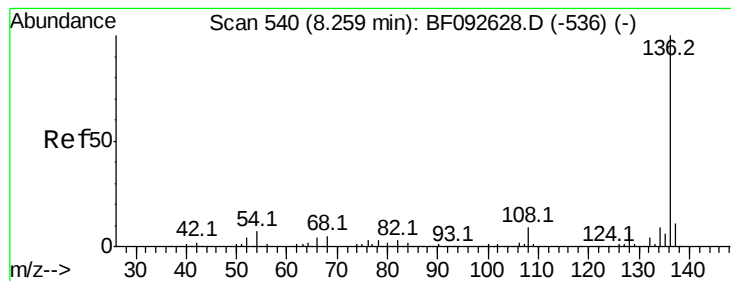
101 0.0 7.4 11.2#

130 2.3 14.2 21.4#



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

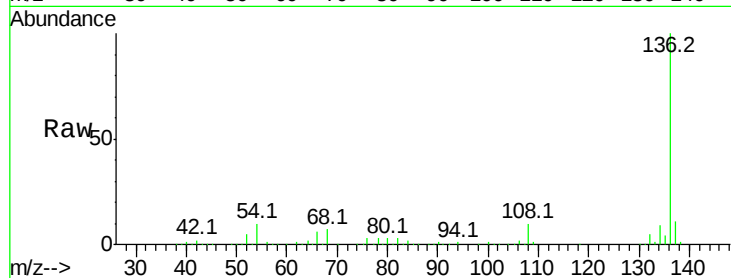




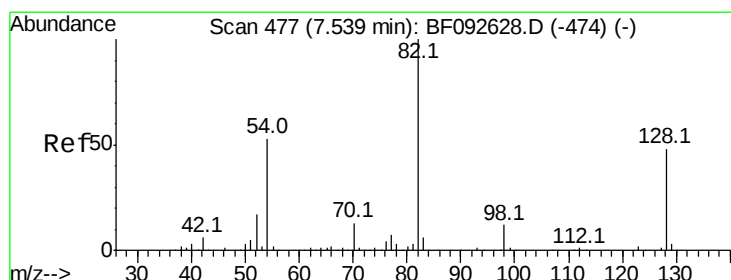
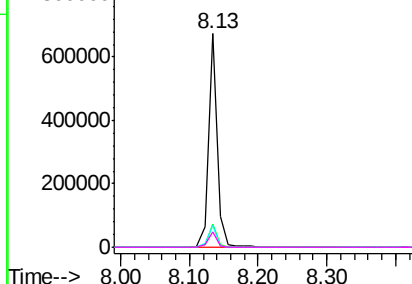
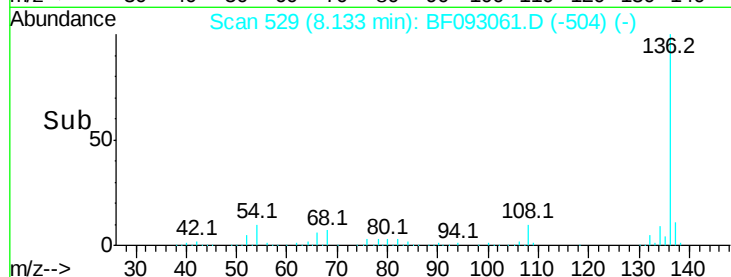
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF093061.D
Acq: 21 Feb 2017 8:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 586670
Ion Ratio	Lower Upper
136 100	
137 10.9	8.4 12.6
54 10.1	4.5 6.7#
68 7.0	3.6 5.4#

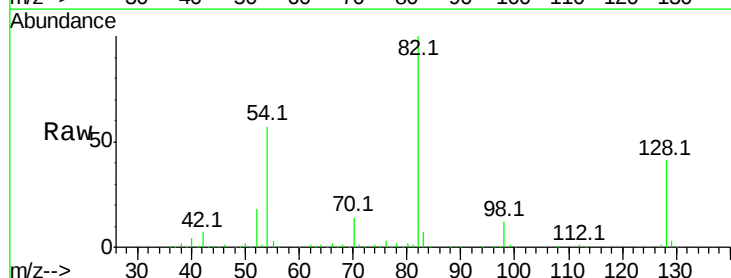


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

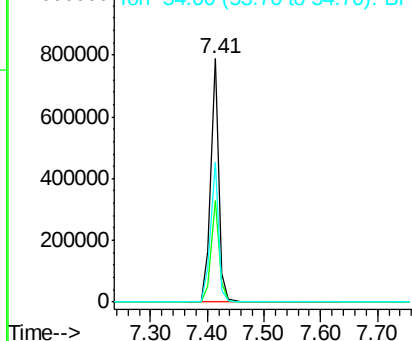
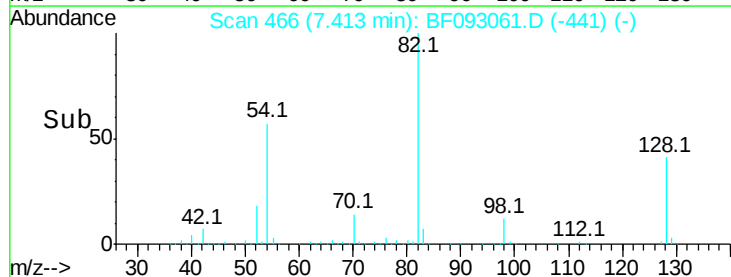


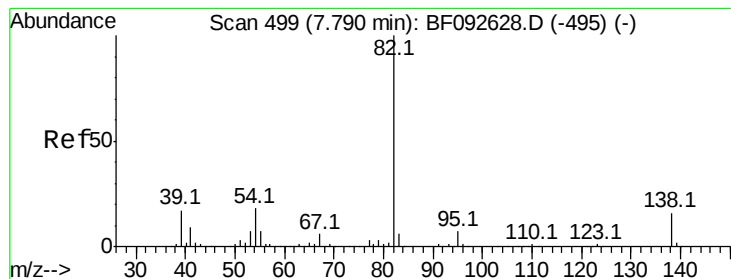
#23
Nitrobenzene-d5
Concen: 69.97 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093061.D
Acq: 21 Feb 2017 8:07

Tgt Ion: 82	Resp: 737103
Ion Ratio	Lower Upper
82 100	
128 41.5	34.6 52.0
54 57.3	39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 31.77 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.27 min

Lab File: BF093061.D

Acq: 21 Feb 2017 8:07

Instrument :

BNA_F

ClientSampled :

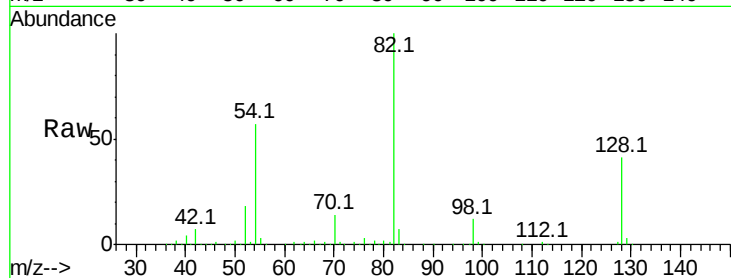
Tot Ion: 82 Resp: 623695

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

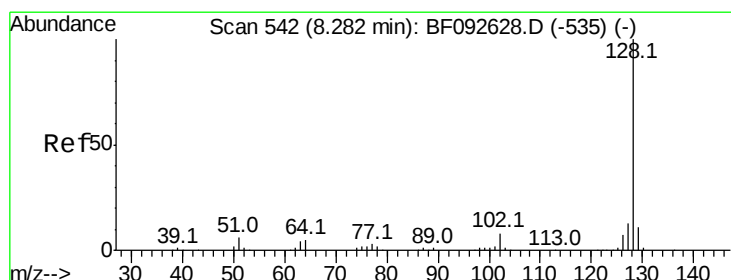
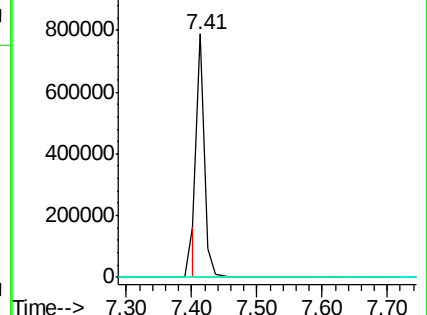
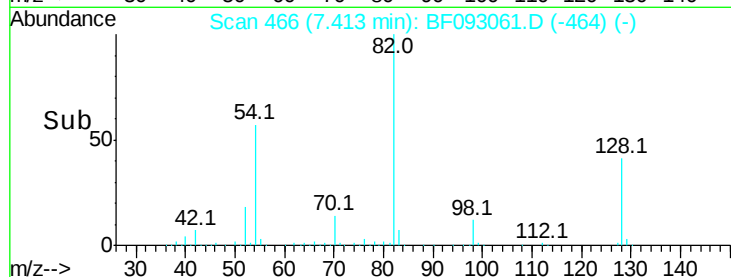
138 0.0 14.6 22.0#



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



#31

Naphthalene

Concen: 2.82 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF093061.D

Acq: 21 Feb 2017 8:07

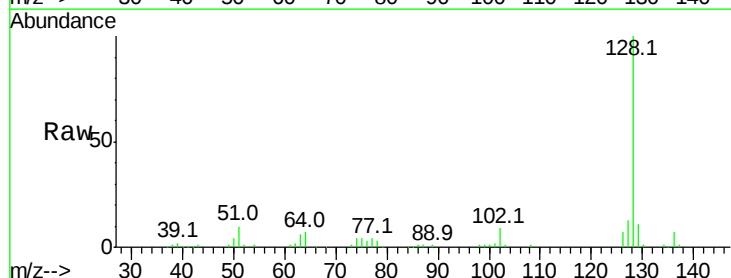
Tgt Ion: 128 Resp: 83994

Ion Ratio Lower Upper

128 100

129 10.7 9.5 14.3

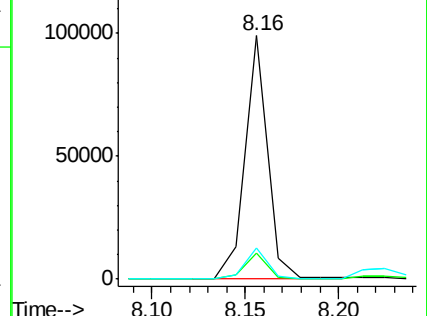
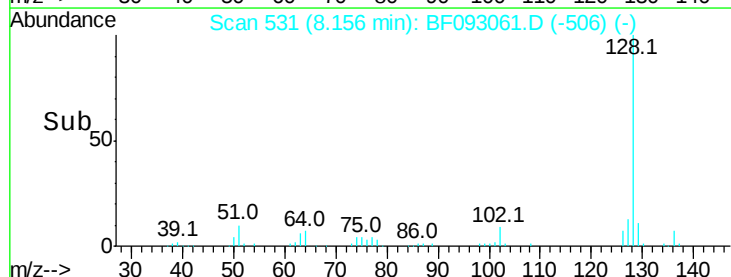
127 12.6 10.8 16.2

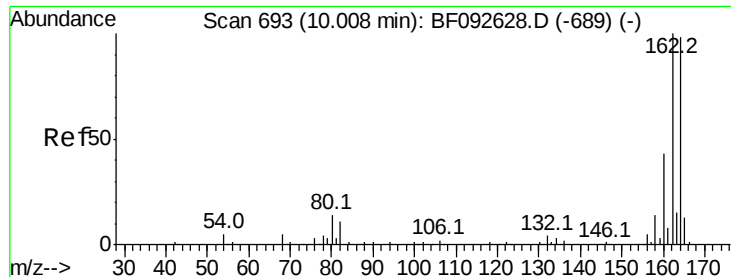


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

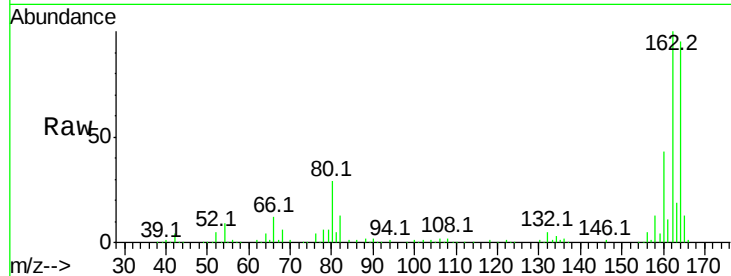




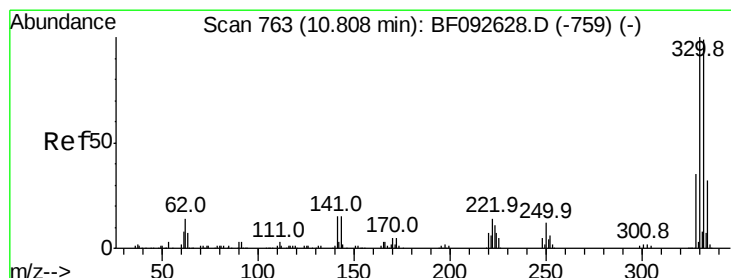
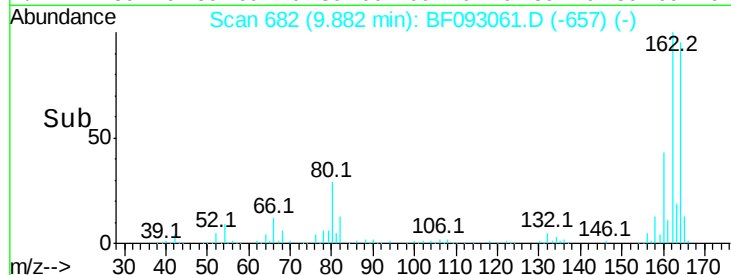
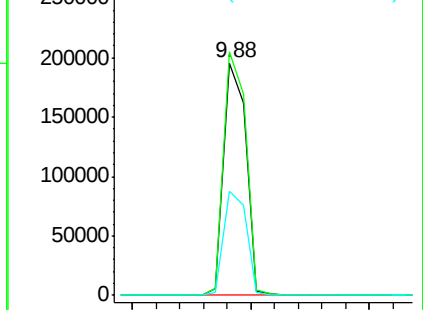
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF093061.D
Acq: 21 Feb 2017 8:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 253046
Ion Ratio Lower Upper
164 100
162 104.8 80.2 120.2
160 45.1 36.9 55.3

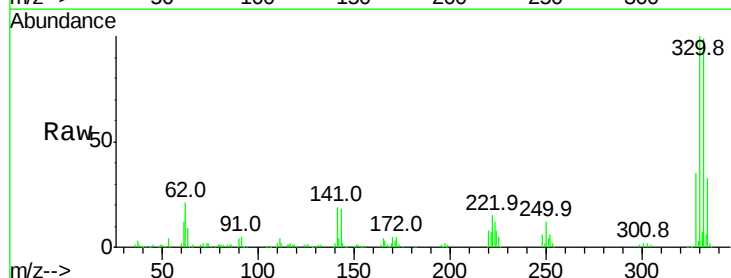


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

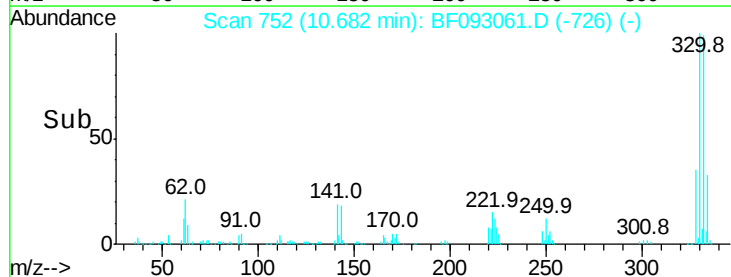
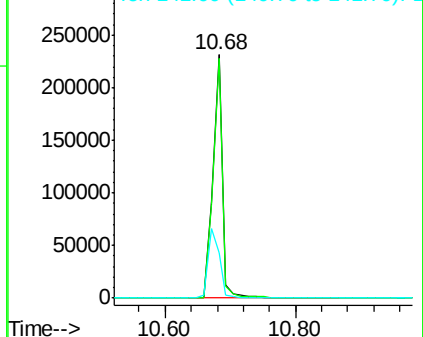


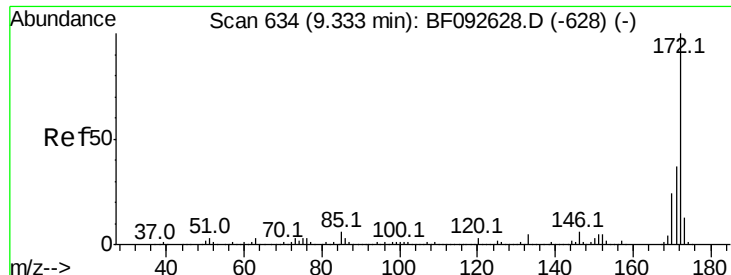
#41
2,4,6-Tribromophenol
Concen: 131.25 ng
RT: 10.68 min Scan# 752
Delta R.T. 0.00 min
Lab File: BF093061.D
Acq: 21 Feb 2017 8:07

Tgt Ion:330 Resp: 240207
Ion Ratio Lower Upper
330 100
332 97.9 77.4 116.2
141 34.2 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



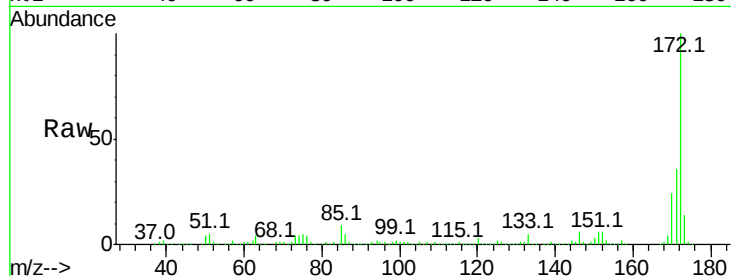


#44
 2-Fluorobiphenyl
 Concen: 90.21 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093061.D
 Acq: 21 Feb 2017 8:07

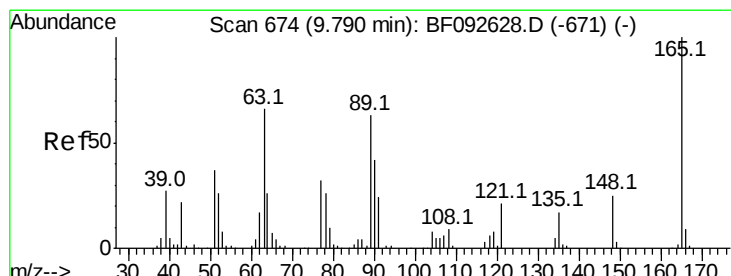
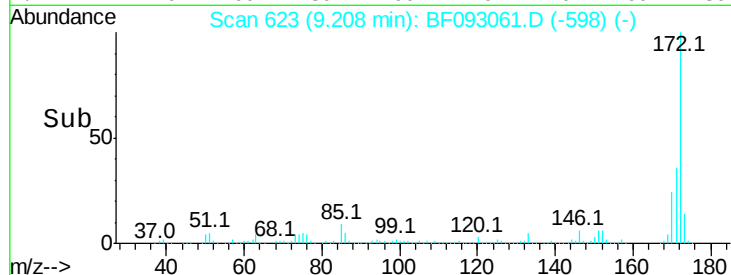
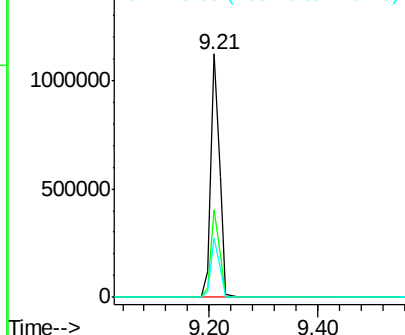
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1260029

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	24.2	20.2	30.4



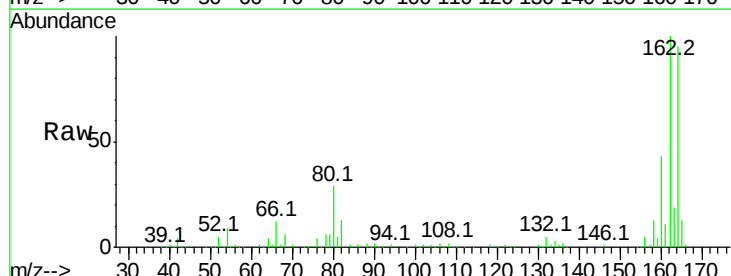
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



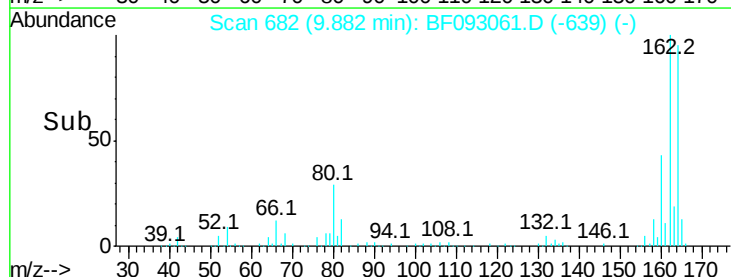
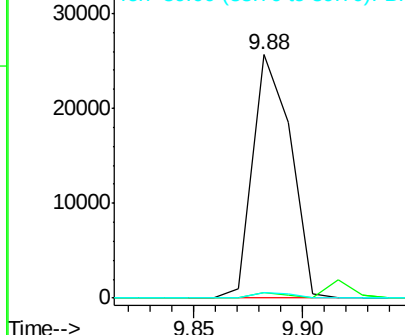
#50
 2,6-Dinitrotoluene
 Concen: 8.51 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.19 min
 Lab File: BF093061.D
 Acq: 21 Feb 2017 8:07

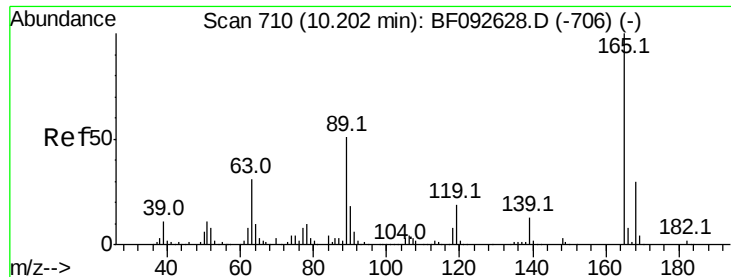
Tgt Ion:165 Resp: 31319

Ion	Ratio	Lower	Upper
165	100		
63	2.1	36.2	54.4#
89	2.5	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: 6.39 ng

RT: 9.88 min Scan# 682

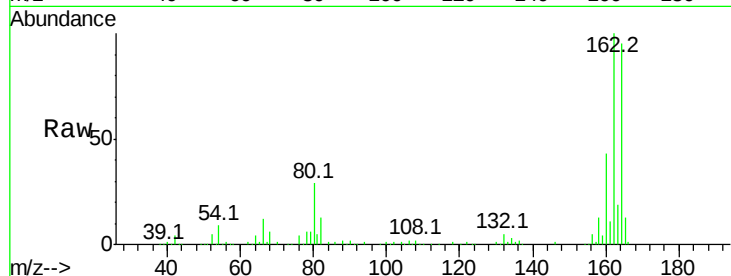
Delta R.T. -0.21 min

Lab File: BF093061.D

Acq: 21 Feb 2017 8:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	31321
Ion Ratio	Lower	Upper
165	100	
63	2.1	40.2 60.4#
89	2.5	62.5 93.7#
182	0.0	1.8 2.8#

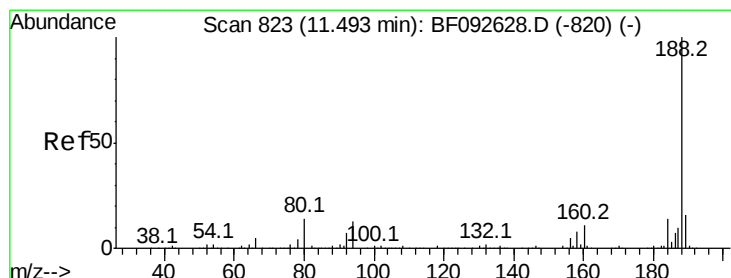
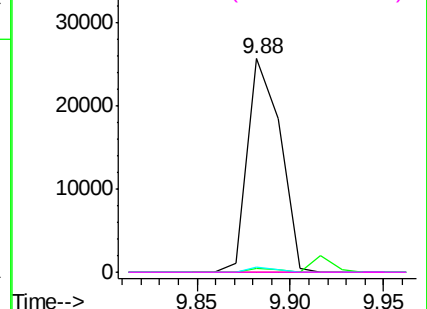
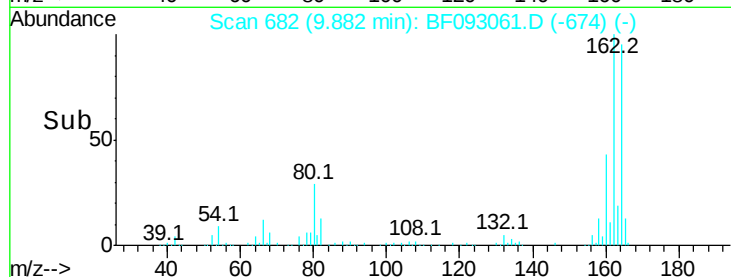


Abundance Ion 165.00 (164.70 to 165.70): E

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

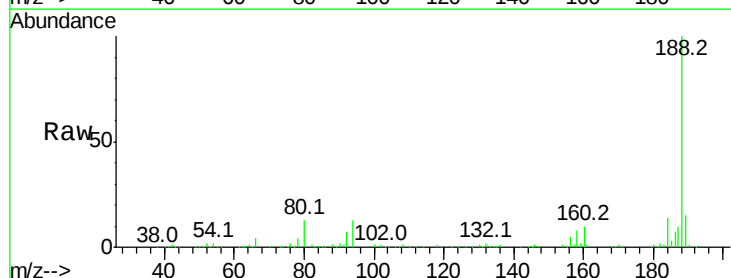
RT: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF093061.D

Acq: 21 Feb 2017 8:07

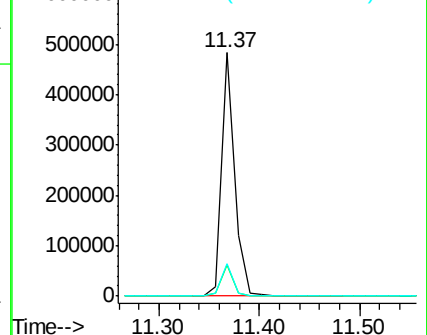
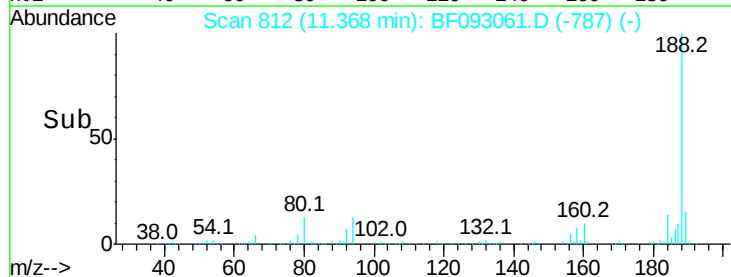
Tgt Ion:188	Resp:	436703
Ion Ratio	Lower	Upper
188	100	
94	12.7	10.0 15.0
80	13.4	11.2 16.8

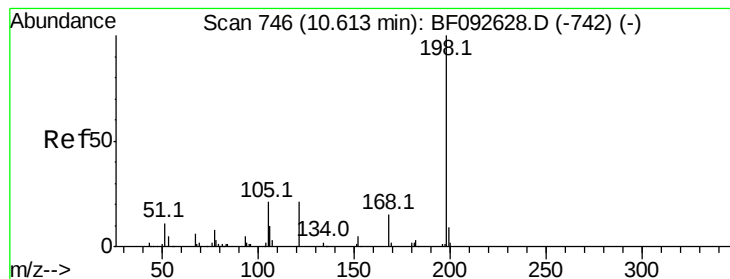


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.88 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.18 min

Lab File: BF093061.D

Acq: 21 Feb 2017 8:07

Instrument :

BNA_F

ClientSampleId :

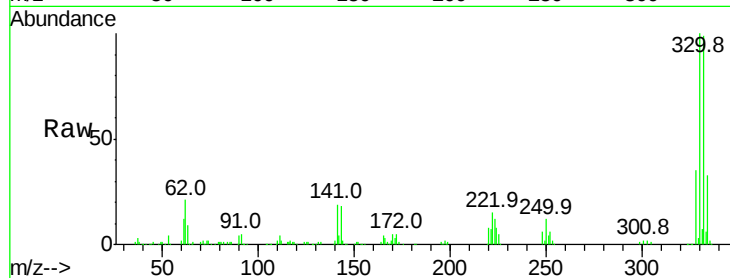
Tot Ion:198 Resp: 583

Ion Ratio Lower Upper

198 100

51 110.4 6.7 46.7#

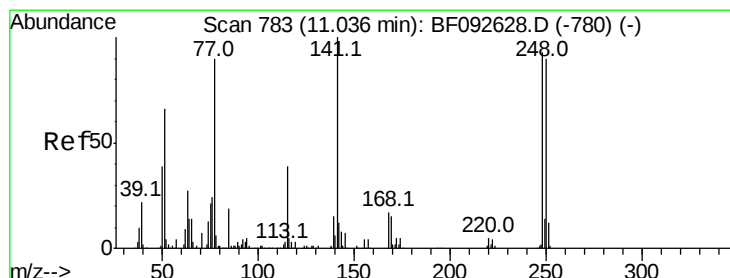
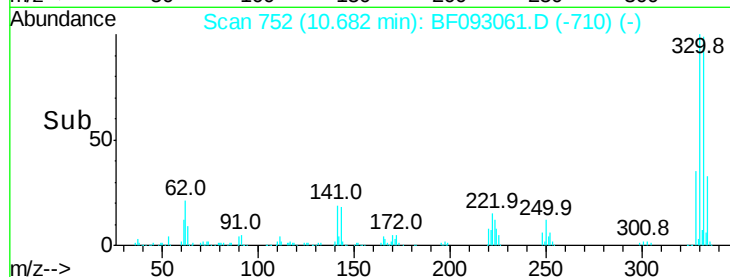
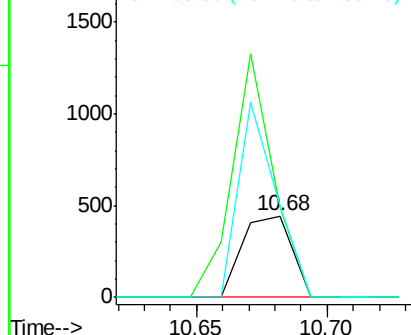
105 112.2 16.6 56.6#



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: 3.88 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.24 min

Lab File: BF093061.D

Acq: 21 Feb 2017 8:07

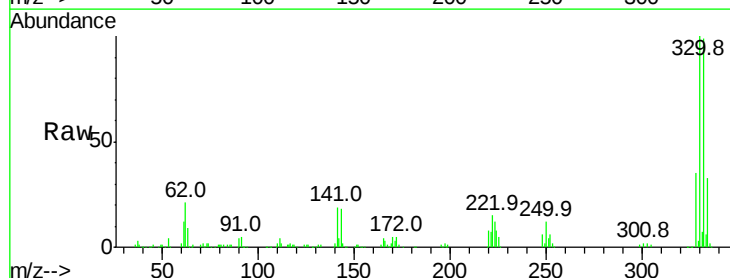
Tgt Ion:248 Resp: 17685

Ion Ratio Lower Upper

248 100

250 190.0 76.9 115.3#

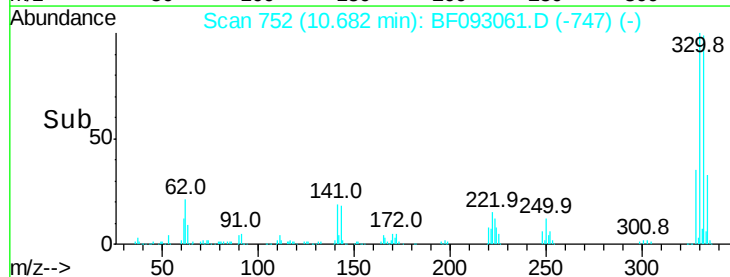
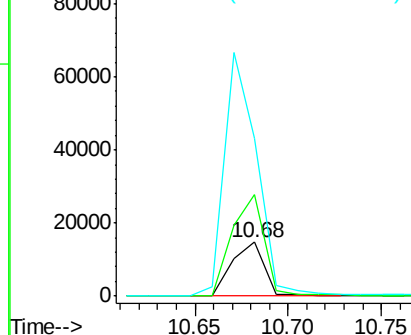
141 293.7 68.2 102.4#

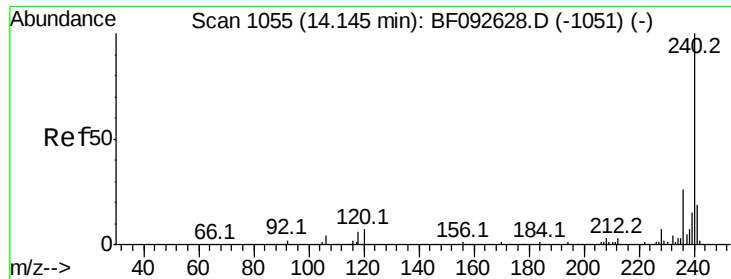


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF093061.D

Acq: 21 Feb 2017 8:07

Instrument :

BNA_F

ClientSampleId :

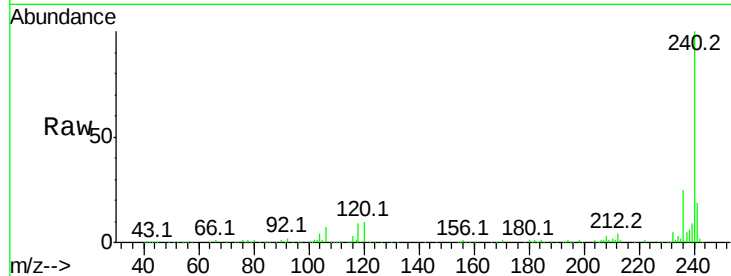
Tot Ion:240 Resp: 291324

Ion Ratio Lower Upper

240 100

120 10.1 12.9 19.3#

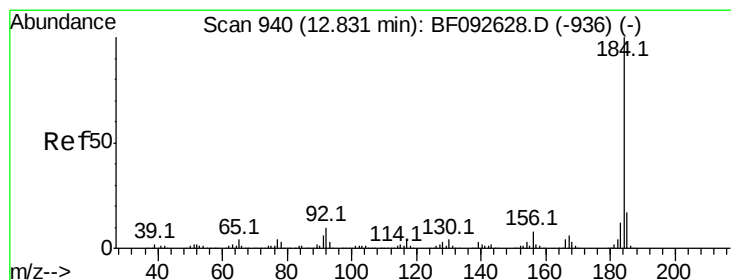
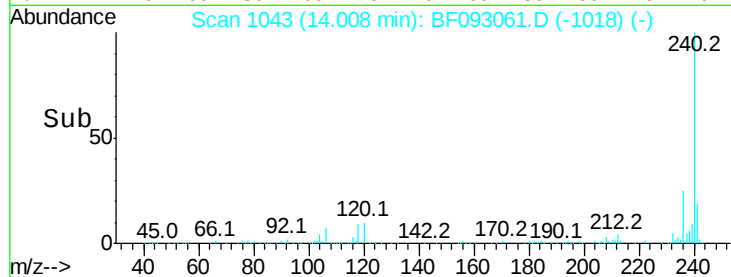
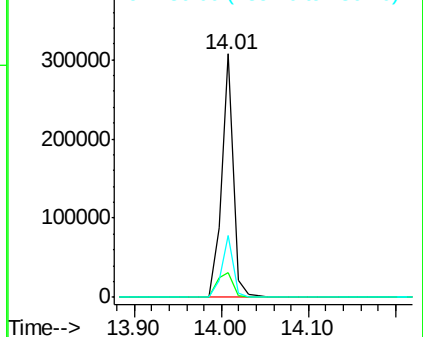
236 25.3 20.9 31.3



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



#76

Benzidine

Concen: 92.27 ng

RT: 12.72 min Scan# 930

Delta R.T. 0.00 min

Lab File: BF093061.D

Acq: 21 Feb 2017 8:07

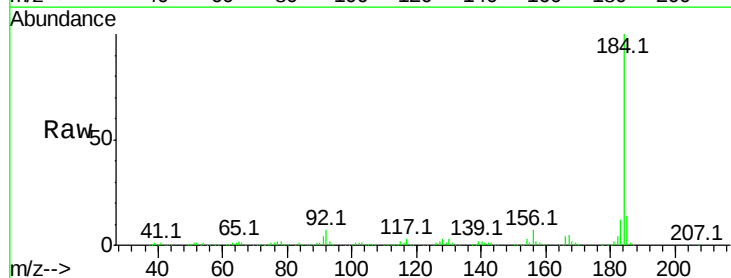
Tgt Ion:184 Resp: 1145456

Ion Ratio Lower Upper

184 100

185 13.9 13.4 20.0

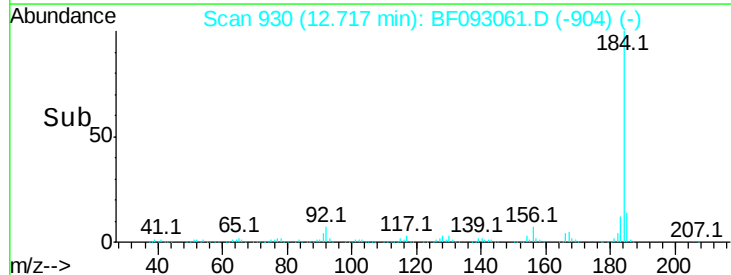
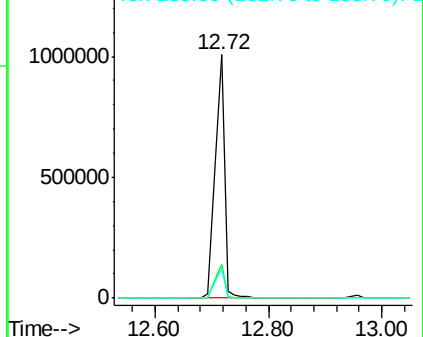
183 12.2 9.2 13.8

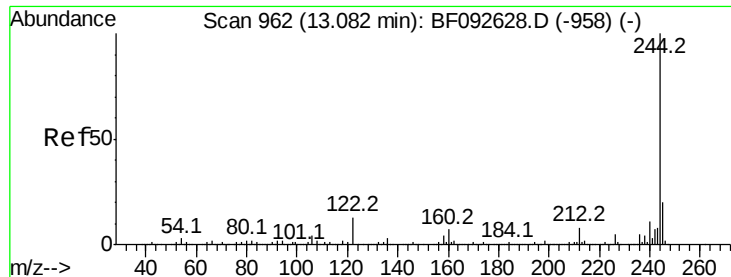


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 74.94 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093061.D

Acq: 21 Feb 2017 8:07

Instrument :
BNA_F
ClientSampled :

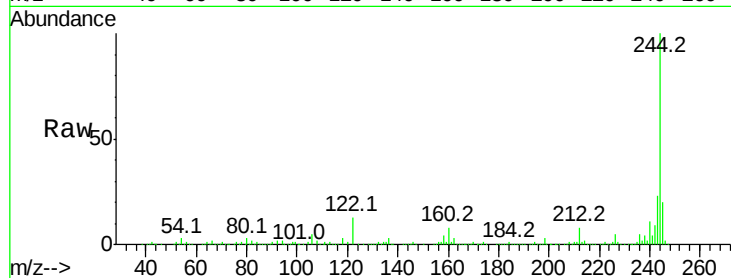
Tot Ion:244 Resp: 929183

Ion Ratio Lower Upper

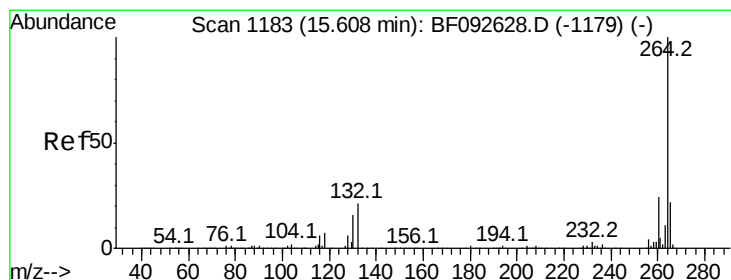
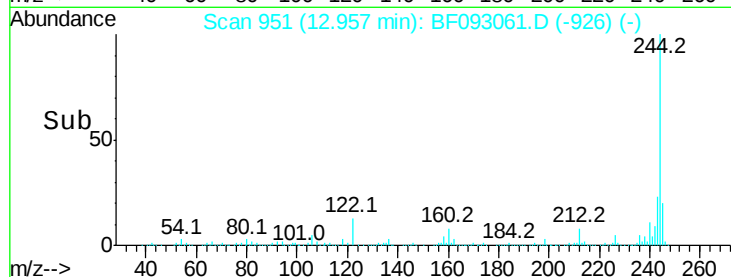
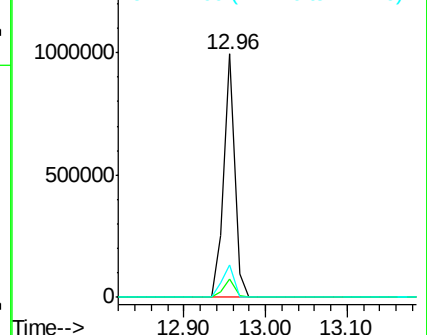
244 100

212 7.7 6.2 9.2

122 13.2 11.4 17.2



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: 15.44 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF093061.D

Acq: 21 Feb 2017 8:07

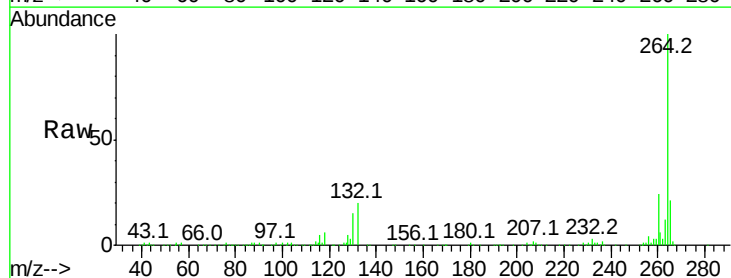
Tgt Ion:264 Resp: 289810

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.2 17.4 26.0



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

