

Data File : BF093080.D
Acq On : 22 Feb 2017 17:29
Operator : SJ/MA
Sample : I1915-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B1-1

Quant Time: Feb 22 23:56:00 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	154294	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	618180	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	300660	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	549410	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	443578	20.00	ng	-0.03
86) Perylene-d12	15.41	264	322687	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1084547	120.59	ng	0.00
7) Phenol-d6	6.49	99	1320468	114.11	ng	0.00
23) Nitrobenzene-d5	7.40	82	966654	87.08	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	309966	142.54	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	1508619	90.90	ng	-0.02
78) Terphenyl-d14	12.94	244	1589457	84.19	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	124589	16.91	ng	# 82
25) Isophorone	7.40	82	896244	43.33	ng	# 65
50) 2,6-Dinitrotoluene	9.87	165	38351	8.77	ng	# 31
56) 2,4-Dinitrotoluene	9.87	165	38351	6.59	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.66	198	576	2.83	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	20764	3.62	ng	# 1
76) Benzidine	12.69	184	1721113	91.05	ng	97

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

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B1-1

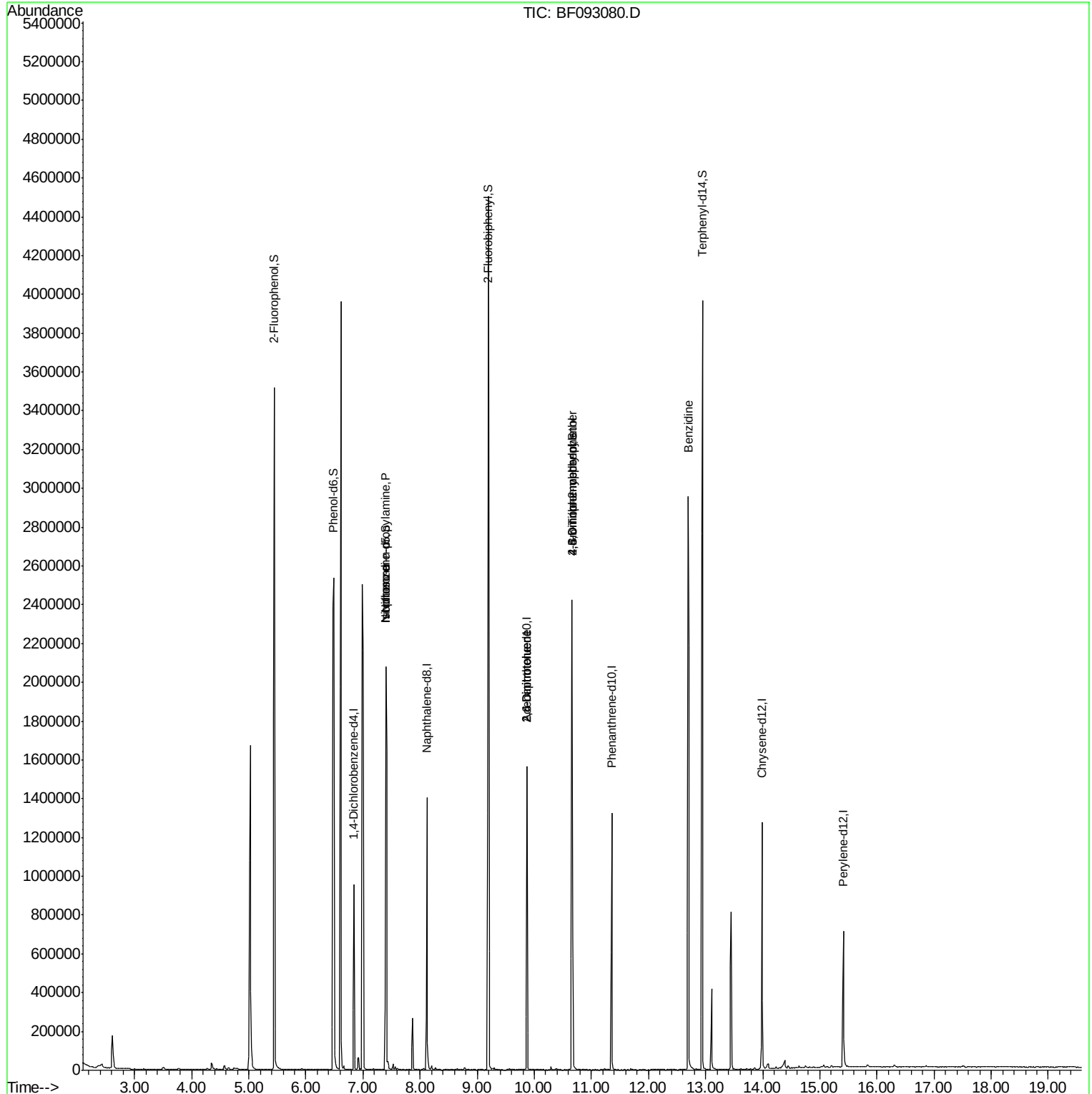
Quant Time: Feb 22 23:56:00 2017

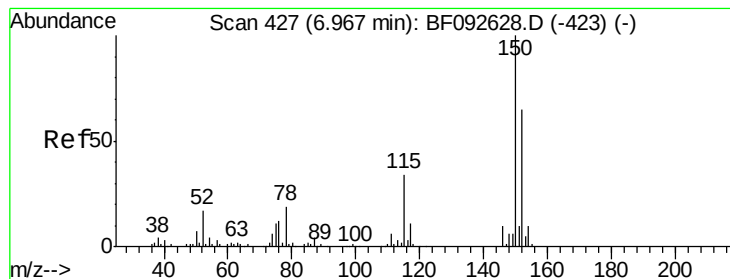
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

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QLast Update : Fri Feb 17 17:31:55 2017

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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

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Acq: 22 Feb 2017 17:29

Instrument :

BNA_F

ClientSampleId :

B1-1

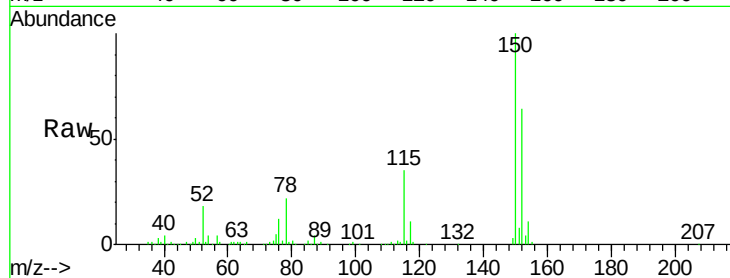
Tgt Ion:152 Resp: 154294

Ion Ratio Lower Upper

152 100

150 156.1 124.9 187.3

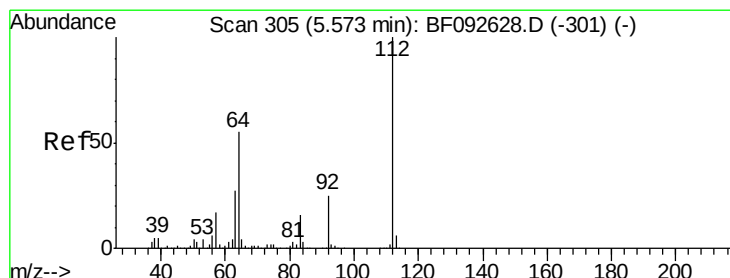
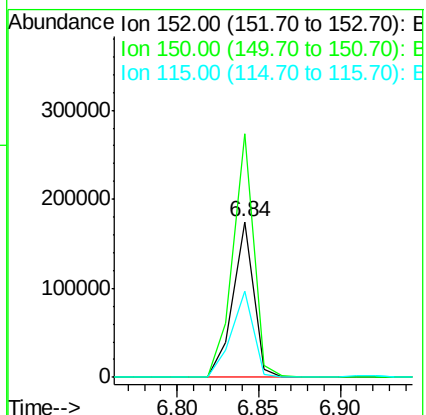
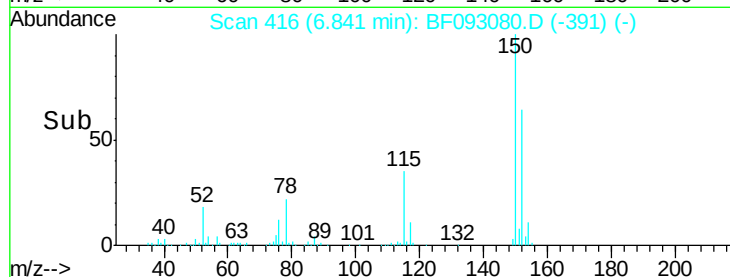
115 55.1 46.0 69.0



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: 120.59 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.00 min

Lab File: BF093080.D

Acq: 22 Feb 2017 17:29

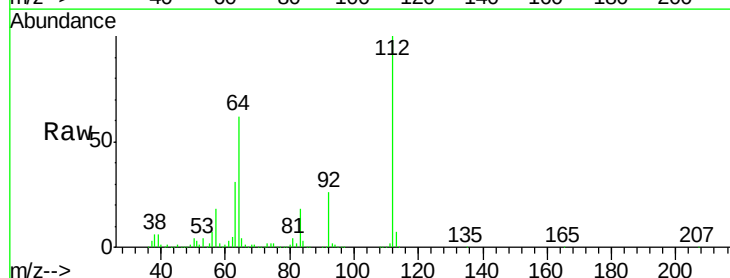
Tgt Ion:112 Resp: 1084547

Ion Ratio Lower Upper

112 100

64 61.7 46.1 69.1

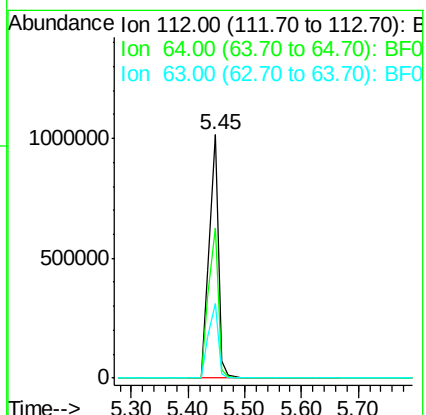
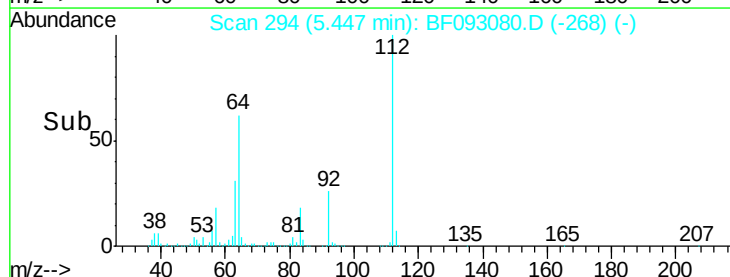
63 30.6 23.8 35.6

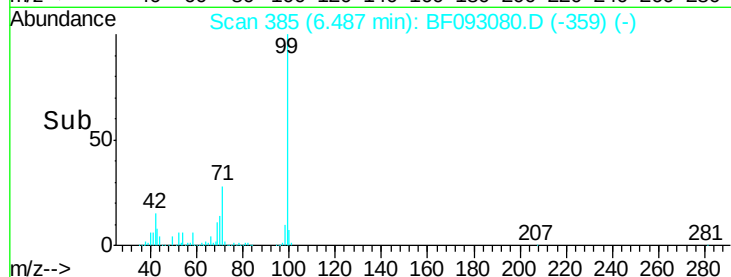
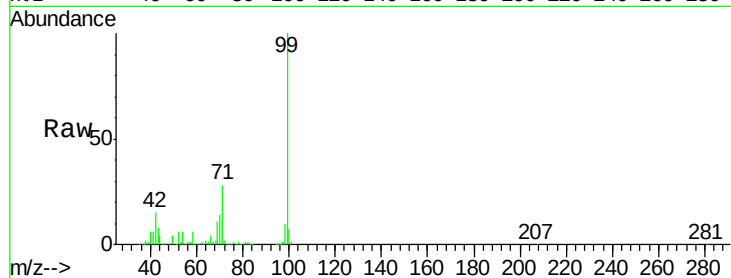
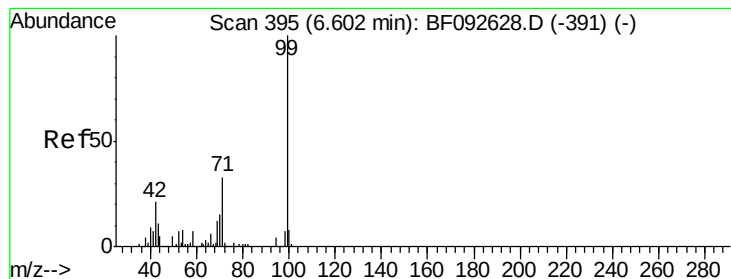


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 114.11 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF093080.D

Acq: 22 Feb 2017 17:29

Instrument :

BNA_F

ClientSampled :

B1-1

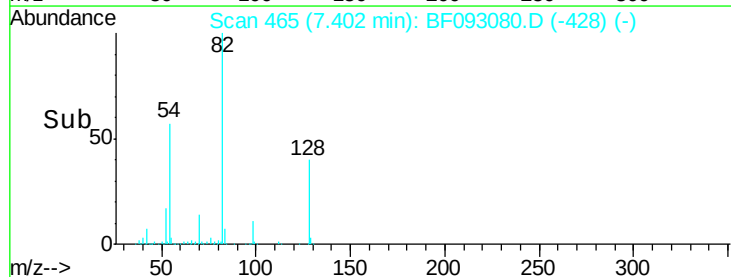
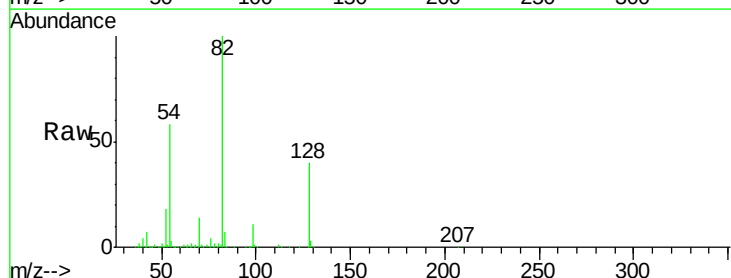
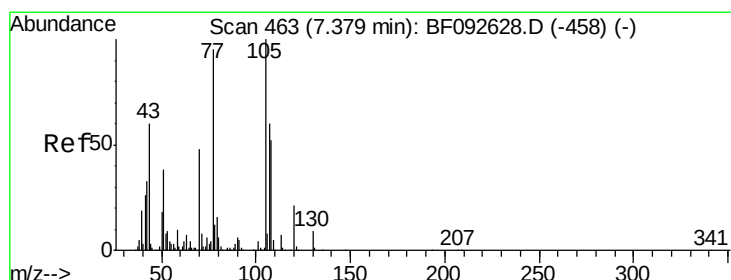
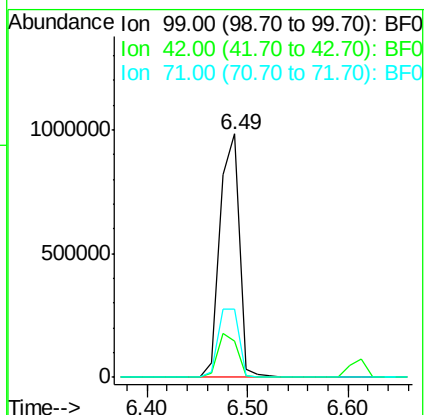
Tgt Ion: 99 Resp: 1320468

Ion Ratio Lower Upper

99 100

42 14.7 15.6 23.4#

71 28.0 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.91 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.13 min

Lab File: BF093080.D

Acq: 22 Feb 2017 17:29

Tgt Ion: 70 Resp: 124589

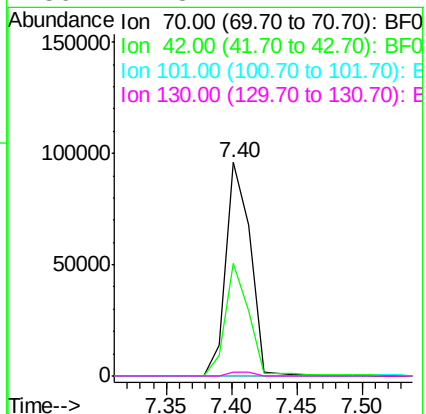
Ion Ratio Lower Upper

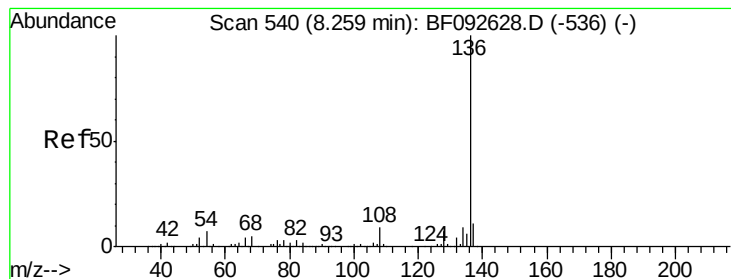
70 100

42 53.0 49.4 74.0

101 0.0 7.4 11.2#

130 1.8 14.2 21.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.02 min

Lab File: BF093080.D

Acq: 22 Feb 2017 17:29

Instrument :

BNA_F

ClientSampleId :

B1-1

Tgt Ion:136 Resp: 618180

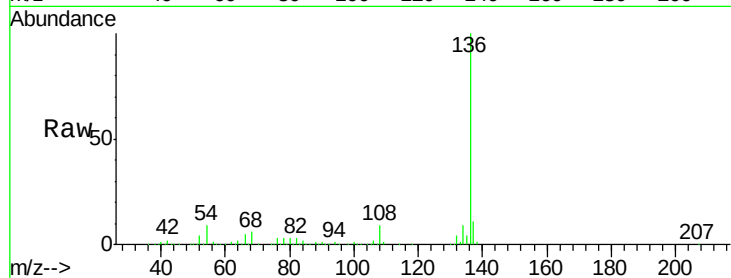
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 9.2 4.5 6.7#

68 6.5 3.6 5.4#

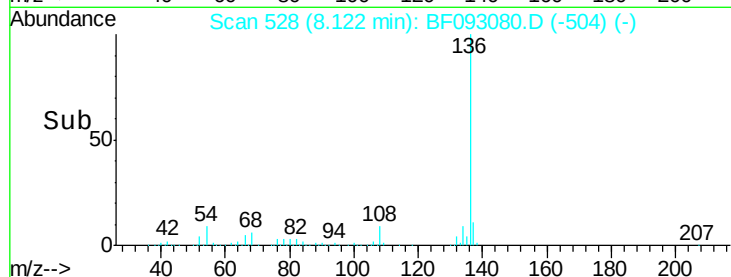


Abundance Ion 136.00 (135.70 to 136.70): E

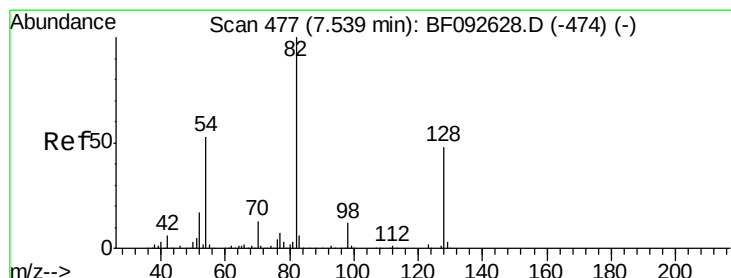
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 8.00 8.12 8.20 8.30



#23

Nitrobenzene-d5

Concen: 87.08 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.02 min

Lab File: BF093080.D

Acq: 22 Feb 2017 17:29

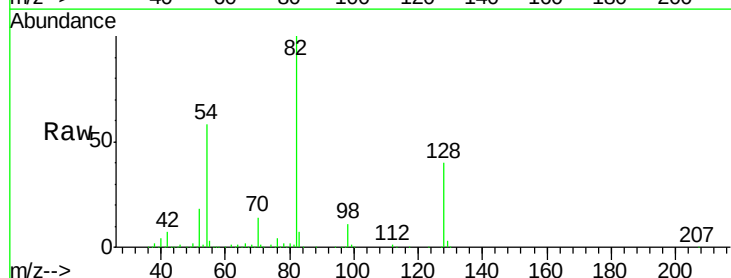
Tgt Ion: 82 Resp: 966654

Ion Ratio Lower Upper

82 100

128 40.1 34.6 52.0

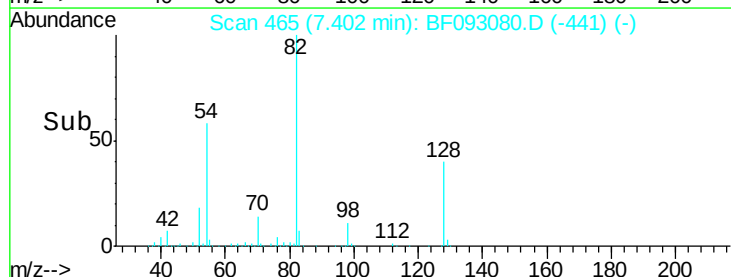
54 57.5 39.5 59.3



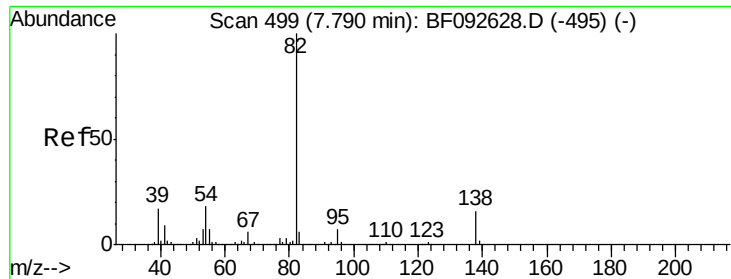
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time--> 7.30 7.40 7.50 7.60 7.70



#25

Isophorone

Concen: 43.33 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.29 min

Lab File: BF093080.D

Acq: 22 Feb 2017 17:29

Instrument :

BNA_F

ClientSampled :

B1-1

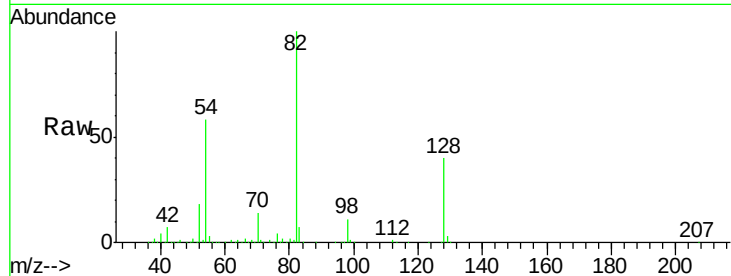
Tgt Ion: 82 Resp: 896244

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

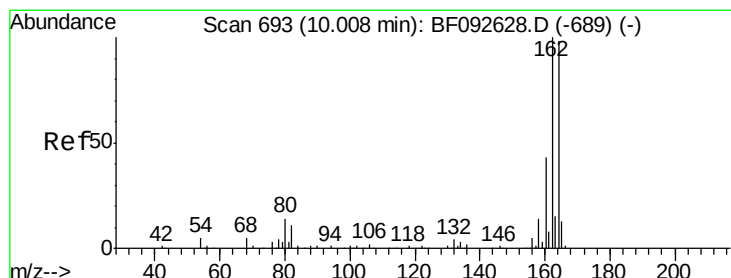
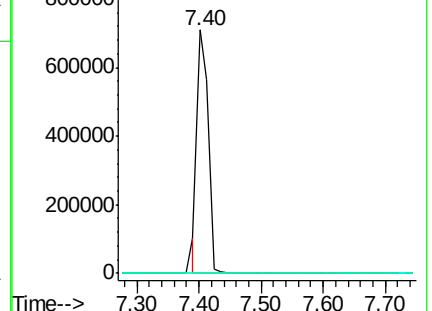
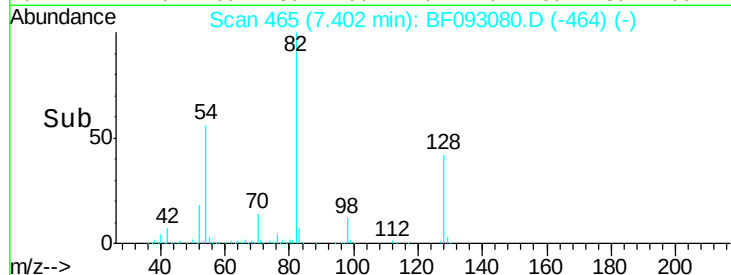
138 0.0 14.6 22.0#



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: 9.87 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF093080.D

Acq: 22 Feb 2017 17:29

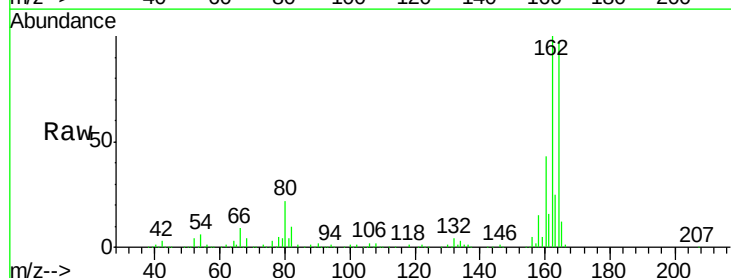
Tgt Ion: 164 Resp: 300660

Ion Ratio Lower Upper

164 100

162 102.9 80.2 120.2

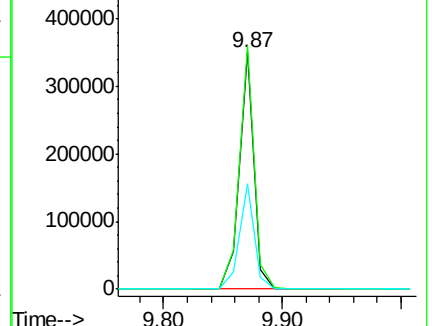
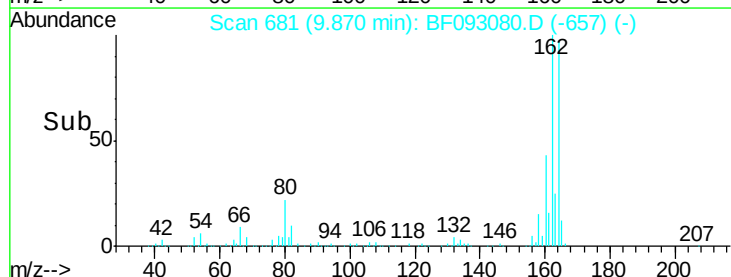
160 44.7 36.9 55.3

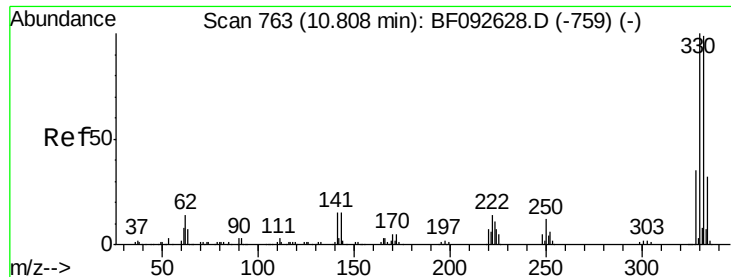


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

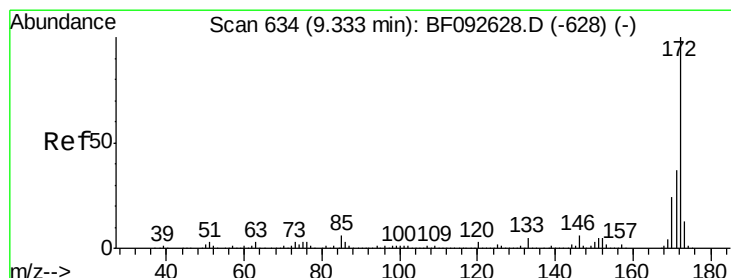
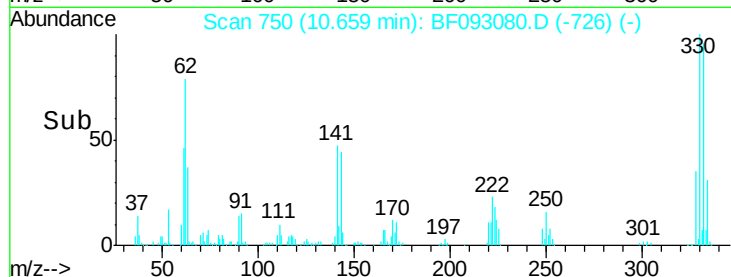
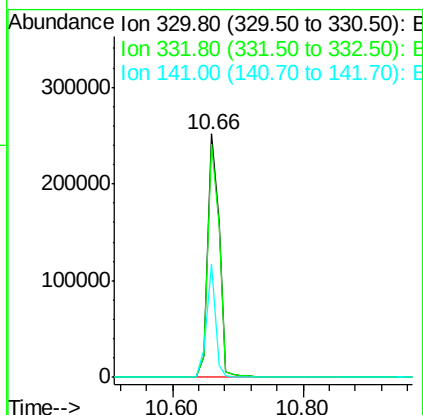
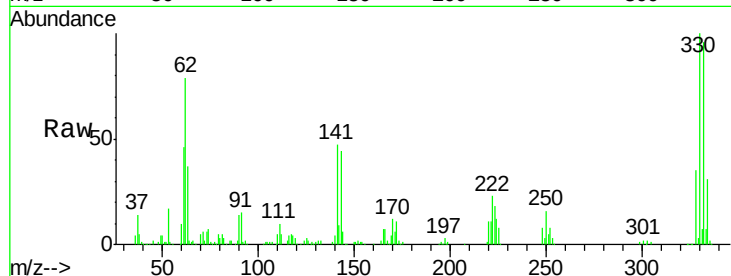




#41
 2,4,6-Tribromophenol
 Concen: 142.54 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.02 min
 Lab File: BF093080.D
 Acq: 22 Feb 2017 17:29

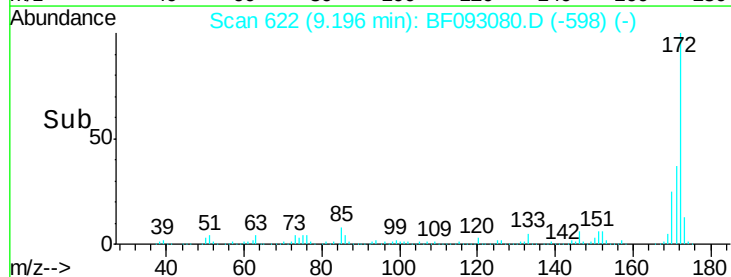
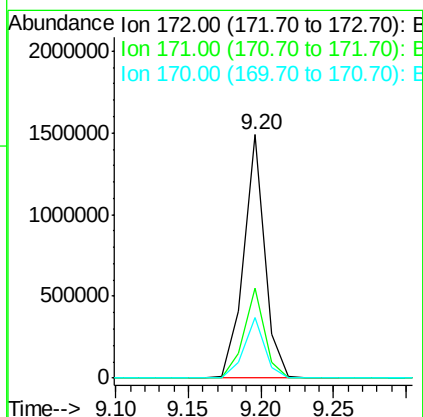
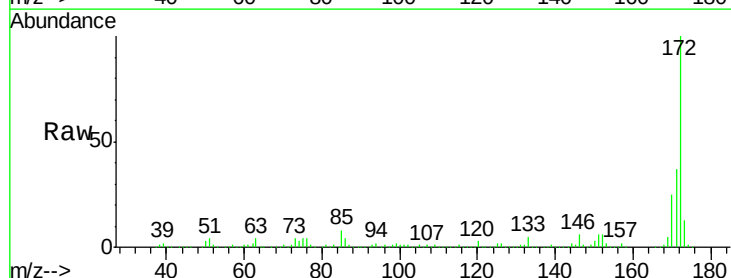
Instrument :
 BNA_F
 ClientSampleId :
 B1-1

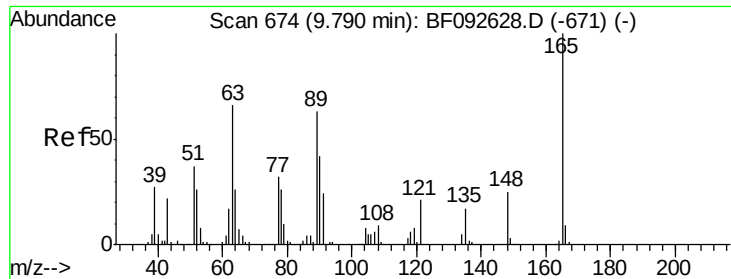
Tgt Ion:330 Resp: 309966
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.4 116.2
 141 36.1 34.1 51.1



#44
 2-Fluorobiphenyl
 Concen: 90.90 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.02 min
 Lab File: BF093080.D
 Acq: 22 Feb 2017 17:29

Tgt Ion:172 Resp: 1508619
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.4 44.0
 170 24.7 20.2 30.4

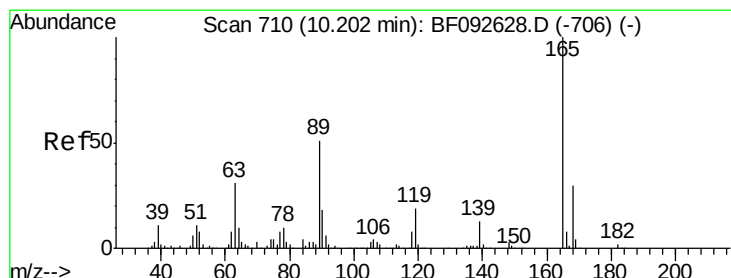
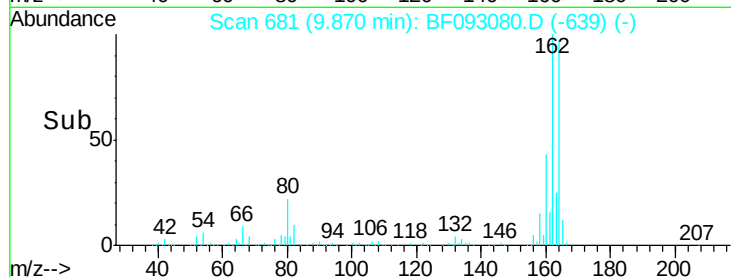
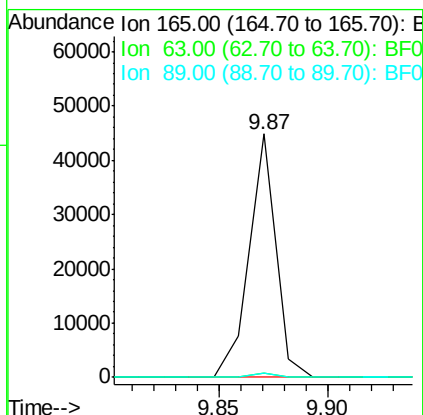
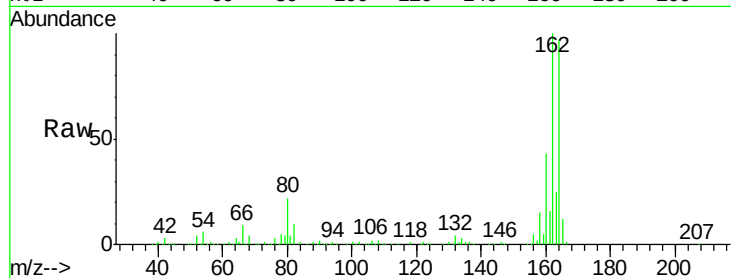




#50
 2,6-Dinitrotoluene
 Concen: 8.77 ng
 RT: 9.87 min Scan# 681
 Delta R.T. 0.18 min
 Lab File: BF093080.D
 Acq: 22 Feb 2017 17:29

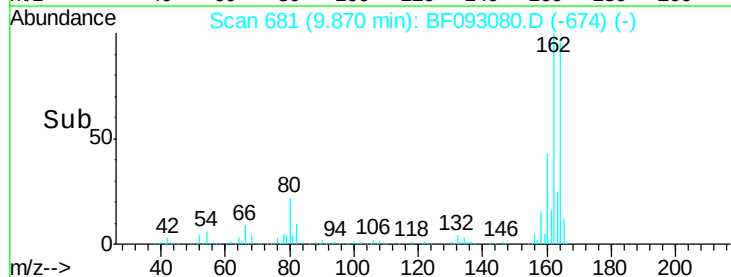
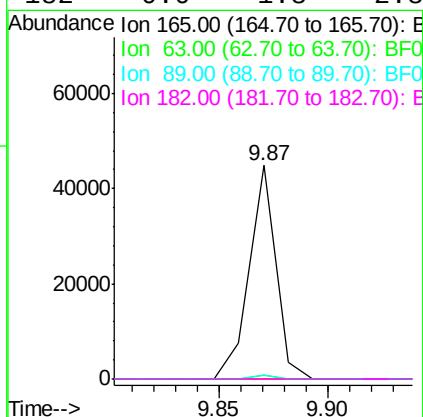
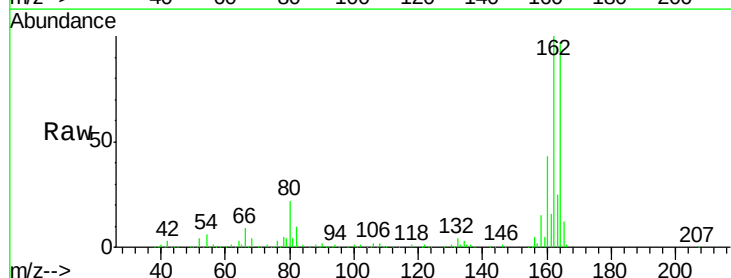
Instrument :
 BNA_F
 ClientSampleId :
 B1-1

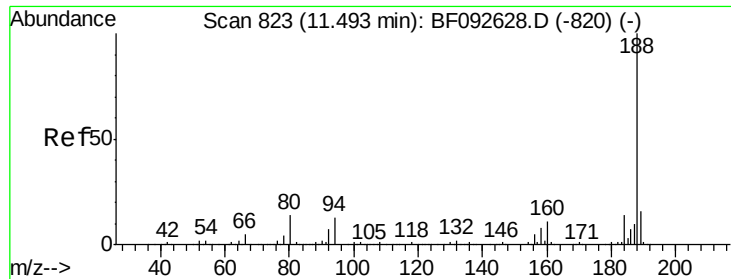
Tgt Ion:165 Resp: 38351
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.2 54.4#
 89 1.5 40.2 60.4#



#56
 2,4-Dinitrotoluene
 Concen: 6.59 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.22 min
 Lab File: BF093080.D
 Acq: 22 Feb 2017 17:29

Tgt Ion:165 Resp: 38351
 Ion Ratio Lower Upper
 165 100
 63 1.7 40.2 60.4#
 89 1.5 62.5 93.7#
 182 0.0 1.8 2.8#

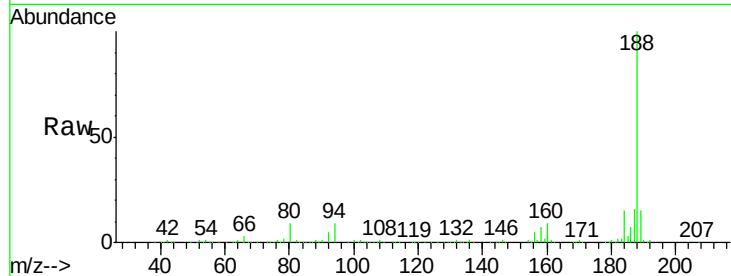




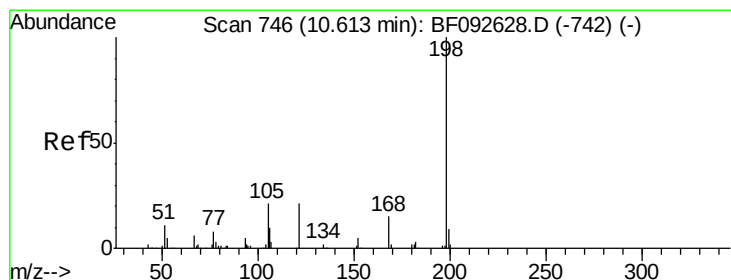
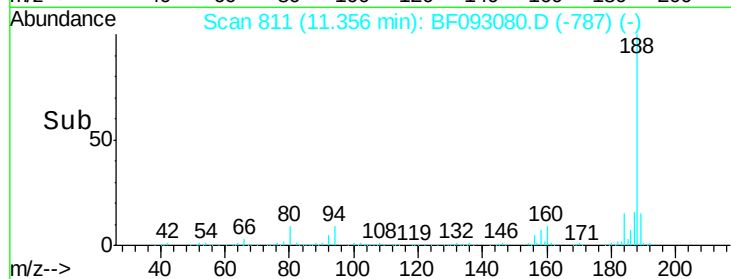
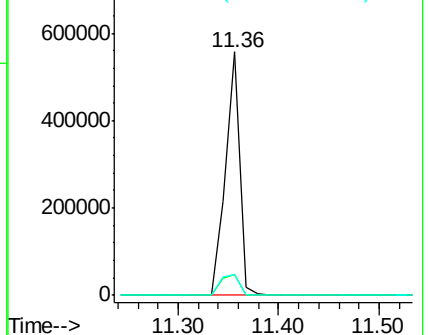
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF093080.D
Acq: 22 Feb 2017 17:29

Instrument :
BNA_F
ClientSampleId :
B1-1

Tgt Ion:188 Resp: 549410
Ion Ratio Lower Upper
188 100
94 8.5 10.0 15.0#
80 8.5 11.2 16.8#

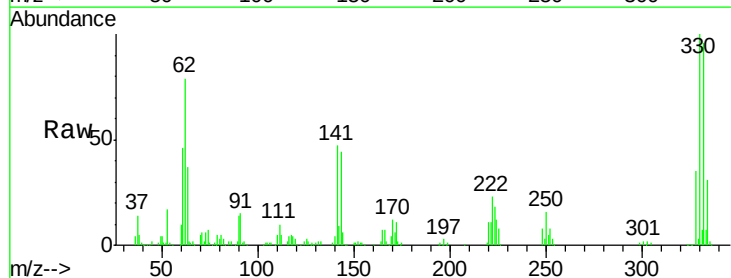


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

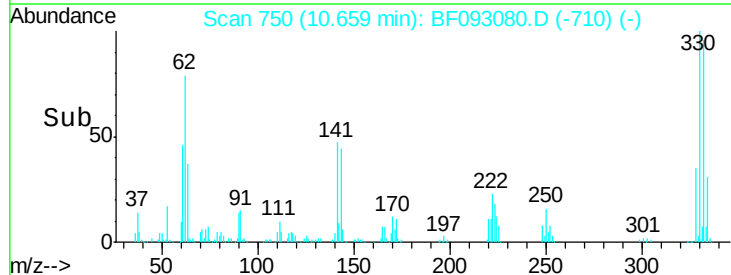
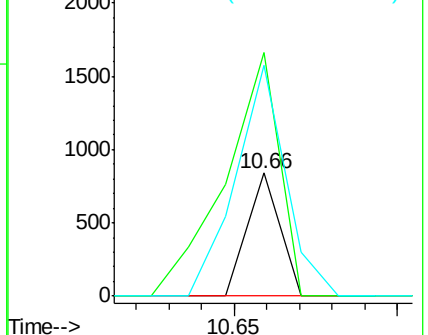


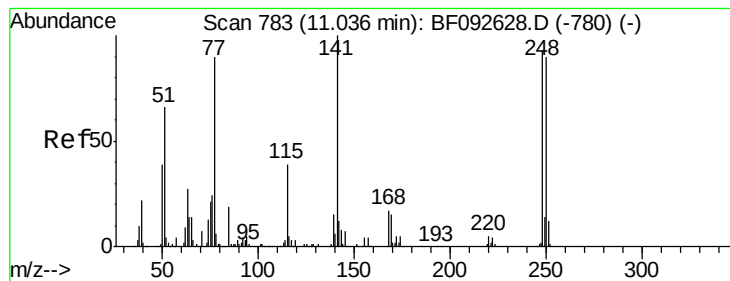
#64
4,6-Dinitro-2-methylphenol
Concen: 2.83 ng
RT: 10.66 min Scan# 750
Delta R.T. 0.16 min
Lab File: BF093080.D
Acq: 22 Feb 2017 17:29

Tgt Ion:198 Resp: 576
Ion Ratio Lower Upper
198 100
51 197.9 6.7 46.7#
105 187.7 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: 3.62 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.26 min

Lab File: BF093080.D

Acq: 22 Feb 2017 17:29

Instrument :

BNA_F

ClientSampleId :

B1-1

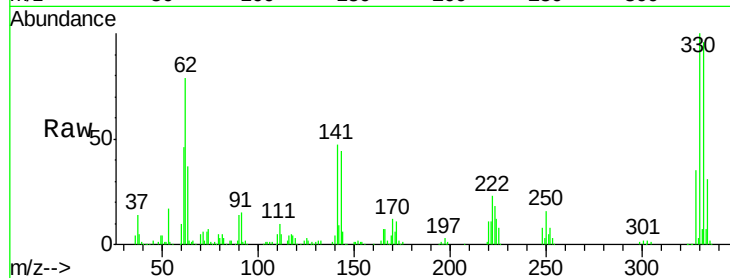
Tgt Ion:248 Resp: 20764

Ion Ratio Lower Upper

248 100

250 200.8 76.9 115.3#

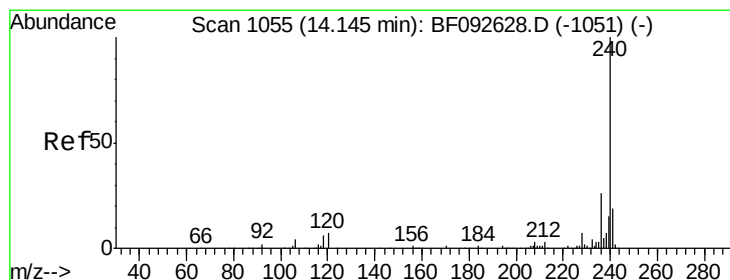
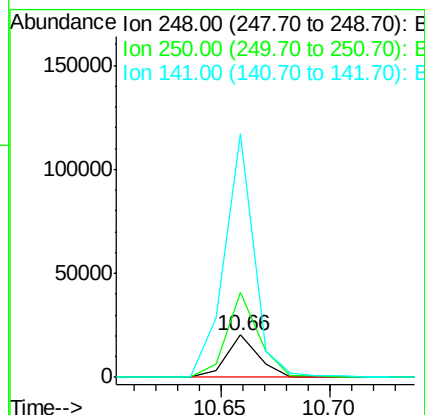
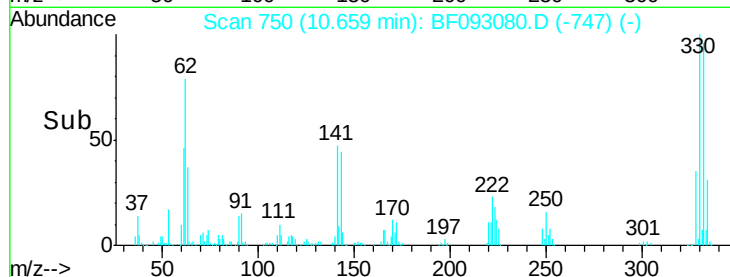
141 576.5 68.2 102.4#



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: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF093080.D

Acq: 22 Feb 2017 17:29

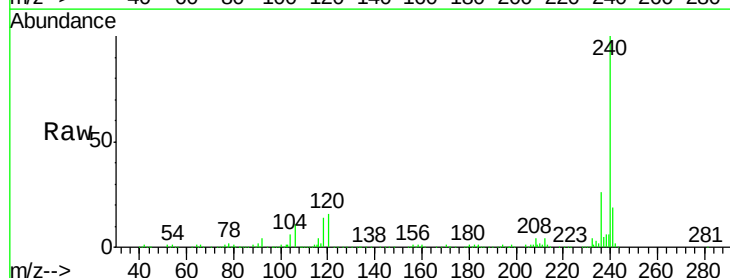
Tgt Ion:240 Resp: 443578

Ion Ratio Lower Upper

240 100

120 15.9 12.9 19.3

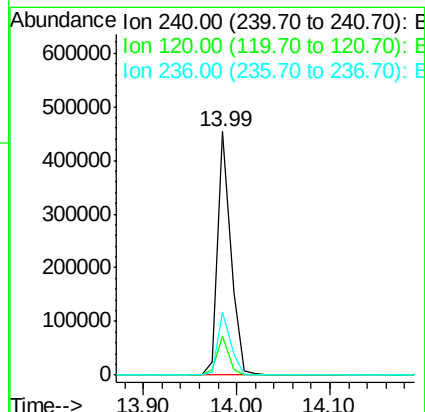
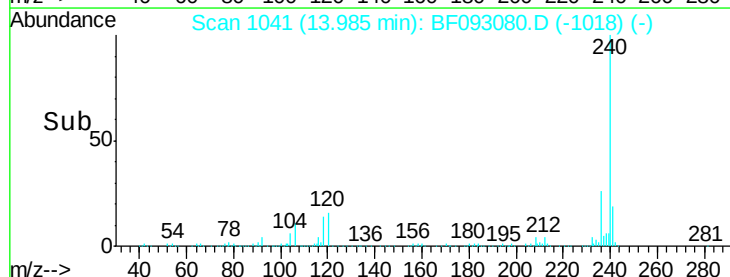
236 26.1 20.9 31.3

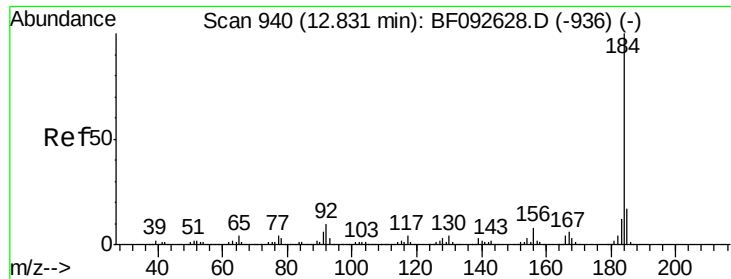


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 91.05 ng

RT: 12.69 min Scan# 928

Delta R.T. -0.02 min

Lab File: BF093080.D

Acq: 22 Feb 2017 17:29

Instrument :

BNA_F

ClientSampleId :

B1-1

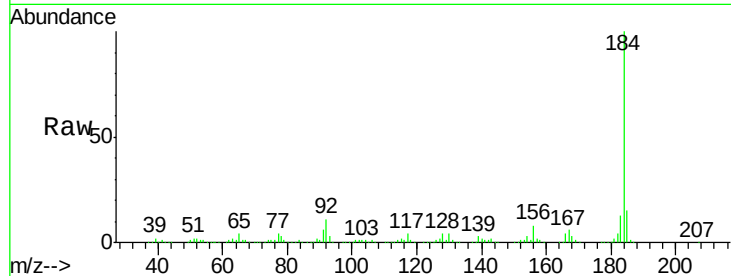
Tgt Ion:184 Resp: 1721113

Ion Ratio Lower Upper

184 100

185 15.0 13.4 20.0

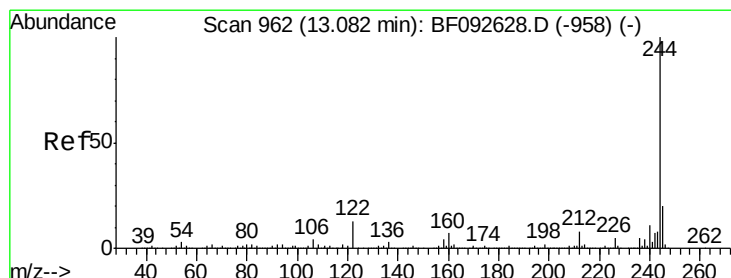
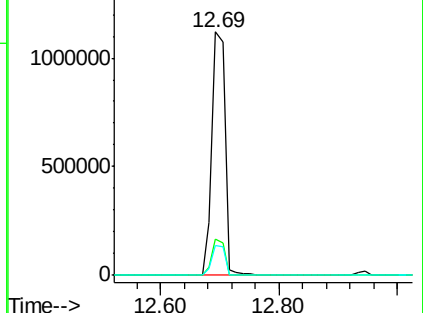
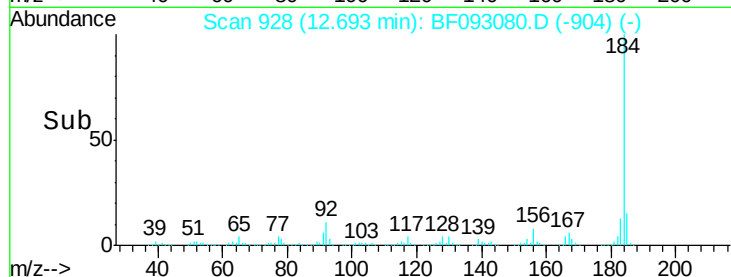
183 12.5 9.2 13.8



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: 84.19 ng

RT: 12.94 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093080.D

Acq: 22 Feb 2017 17:29

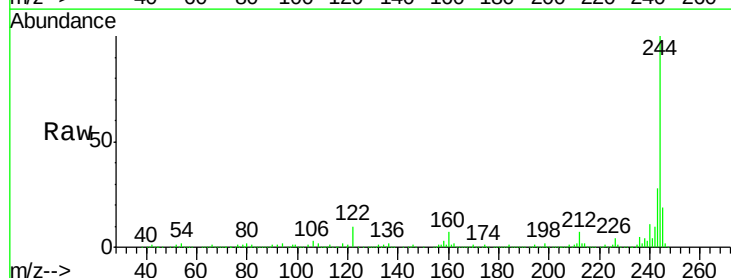
Tgt Ion:244 Resp: 1589457

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

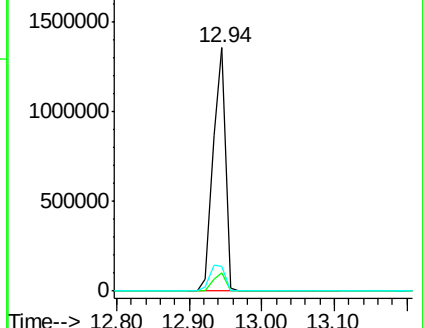
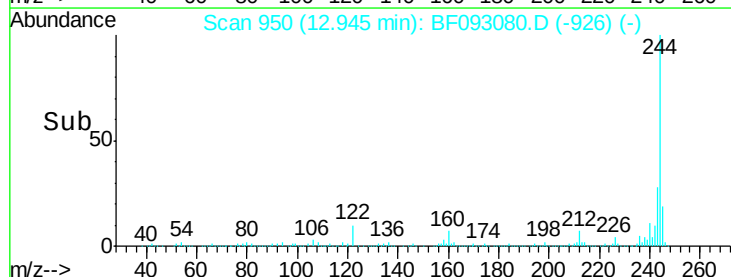
122 10.1 11.4 17.2#

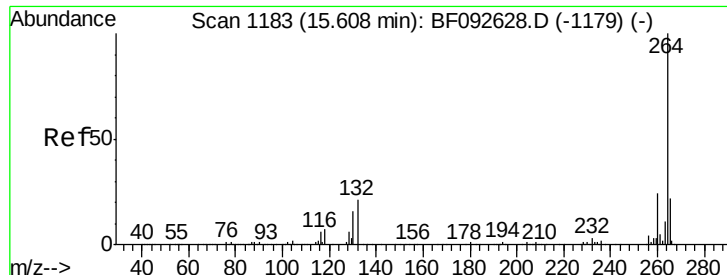


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

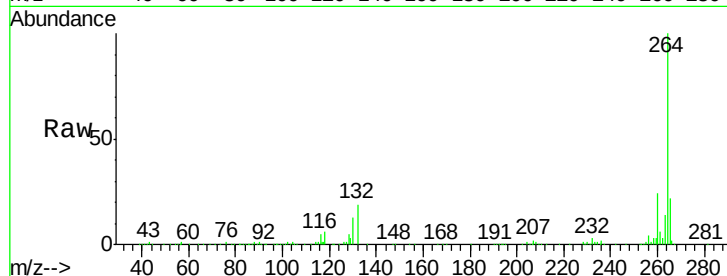




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093080.D
Acq: 22 Feb 2017 17:29

Instrument :
BNA_F
ClientSampleId :
B1-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.5	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

