

Data File : BF093214.D
Acq On : 27 Feb 2017 19:45
Operator : SJ/MA
Sample : I1997-06
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-BB6-WSW

Quant Time: Feb 27 23:52:43 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	6.82	152	151231	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	588621	20.00	ng	-0.05
38) Acenaphthene-d10	9.86	164	293943	20.00	ng	-0.03
63) Phenanthrene-d10	11.35	188	572448	20.00	ng	-0.03
75) Chrysene-d12	13.99	240	503167	20.00	ng	-0.03
86) Perylene-d12	15.41	264	401679	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1260071	142.95	ng	-0.02
7) Phenol-d6	6.48	99	1849958	163.11	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1160191	109.76	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	353689	166.37	ng	-0.02
44) 2-Fluorobiphenyl	9.18	172	1706257	105.16	ng	-0.03
78) Terphenyl-d14	12.93	244	1368173	63.89	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	158030	21.89	ng	# 80
25) Isophorone	7.39	82	1130815	57.41	ng	# 65
49) Dimethylphthalate	9.57	163	650865	32.87	ng	97
56) 2,4-Dinitrotoluene	9.86	165	37311	6.55	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.65	198	516	2.81	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	24109	4.03	ng	# 1
69) Pentachlorophenol	11.15	266	621	7.39	ng	# 10

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

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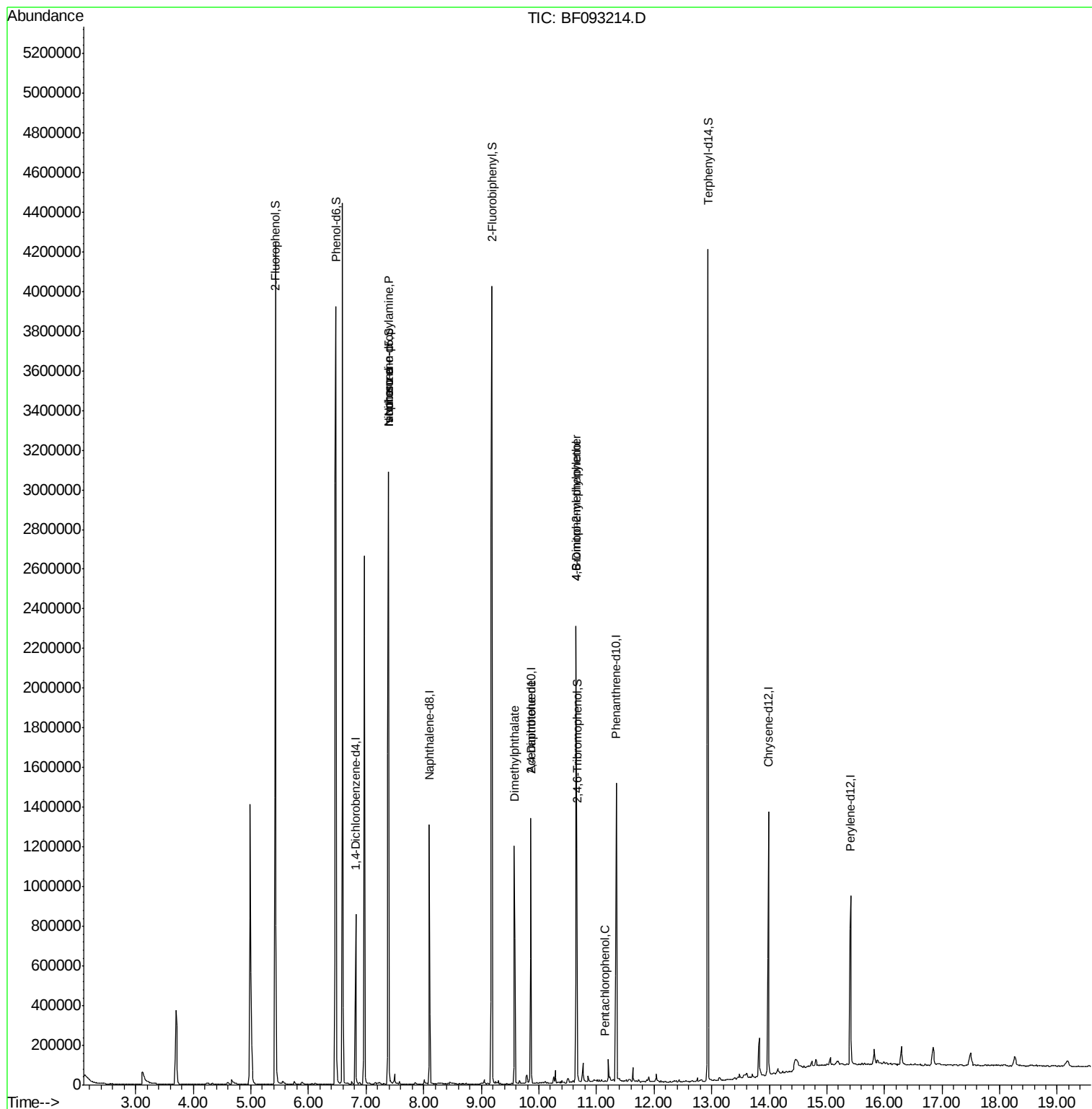
Quant Time: Feb 27 23:52:43 2017

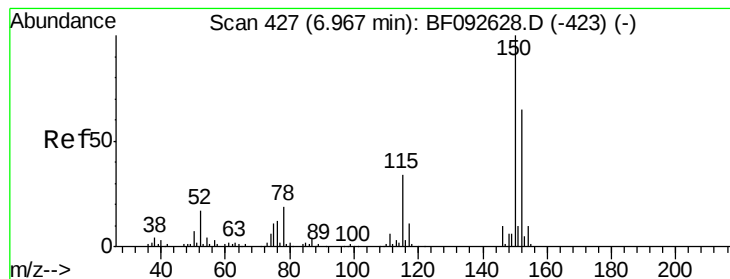
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

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

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.03 min

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Instrument :

BNA_F

ClientSampleId :

E2-BB6-WSW

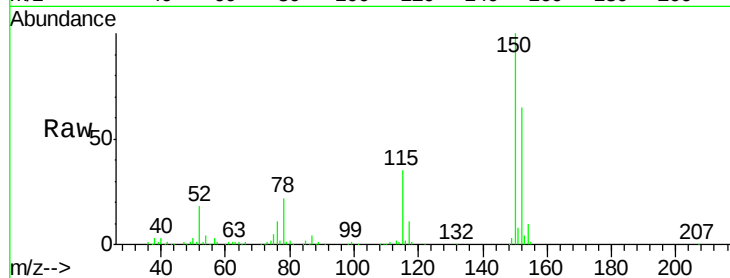
Tgt Ion:152 Resp: 151231

Ion Ratio Lower Upper

152 100

150 153.4 124.9 187.3

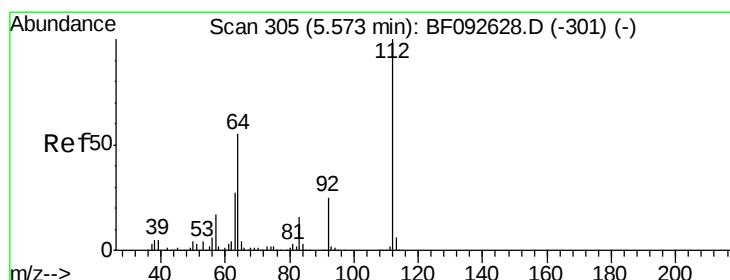
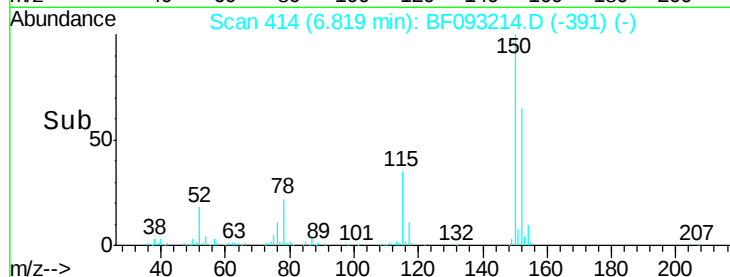
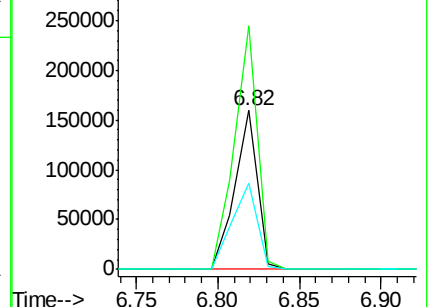
115 54.0 46.0 69.0



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: 142.95 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.02 min

Lab File: BF093214.D

Acq: 27 Feb 2017 19:45

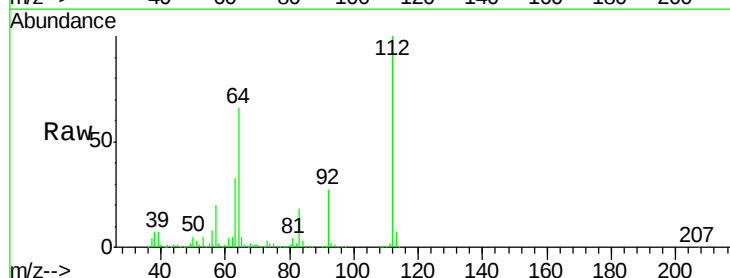
Tgt Ion:112 Resp: 1260071

Ion Ratio Lower Upper

112 100

64 65.6 46.1 69.1

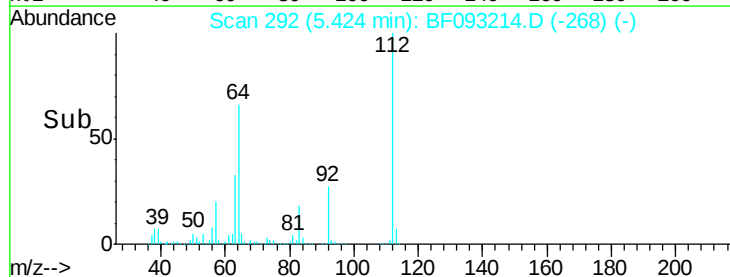
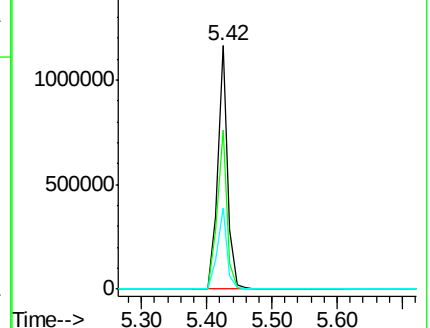
63 33.1 23.8 35.6

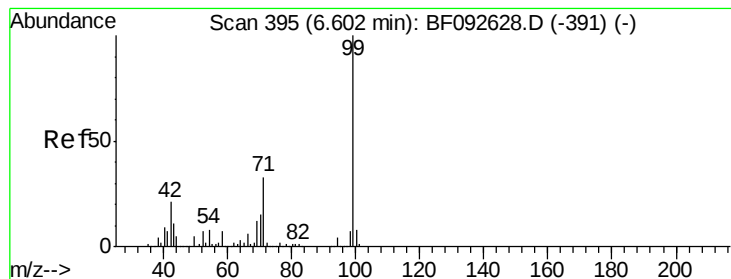


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 163.11 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093214.D

Acq: 27 Feb 2017 19:45

Instrument :

BNA_F

ClientSampleId :

E2-BB6-WSW

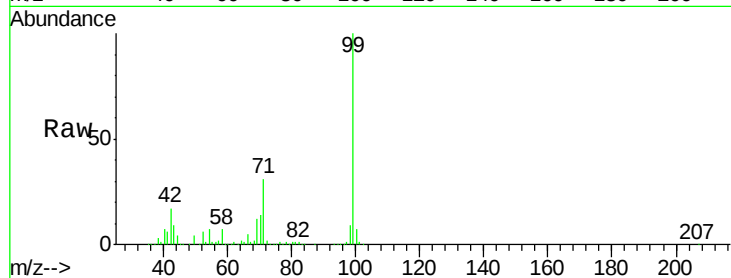
Tgt Ion: 99 Resp: 1849958

Ion Ratio Lower Upper

99 100

42 17.4 15.6 23.4

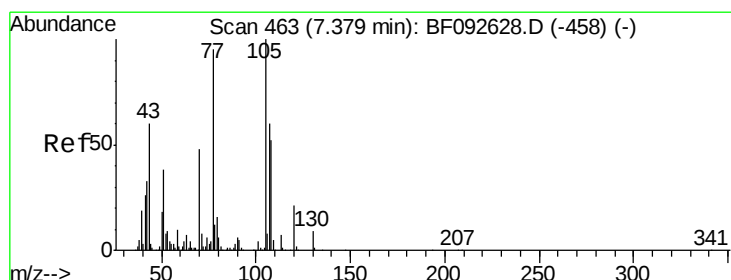
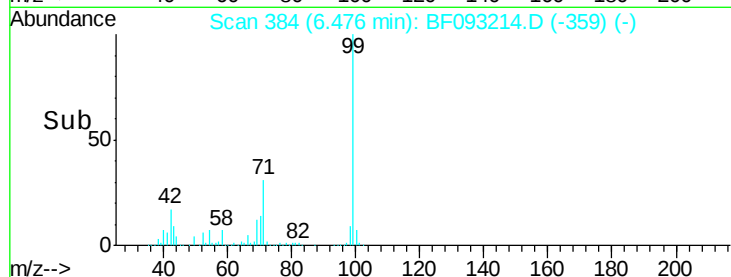
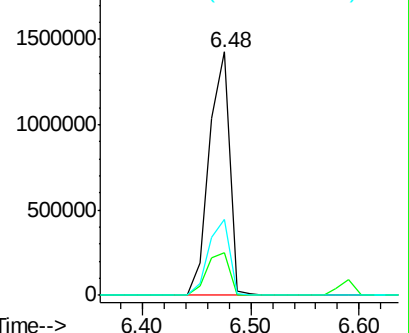
71 31.1 27.5 41.3



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: 21.89 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.11 min

Lab File: BF093214.D

Acq: 27 Feb 2017 19:45

Tgt Ion: 70 Resp: 158030

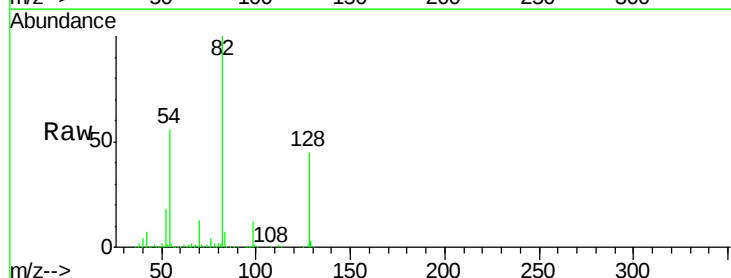
Ion Ratio Lower Upper

70 100

42 50.0 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

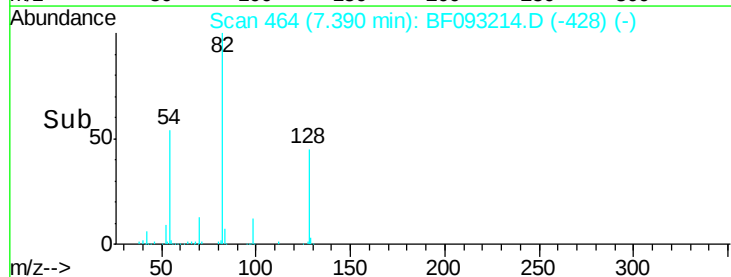
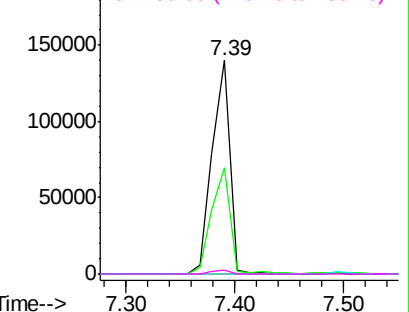


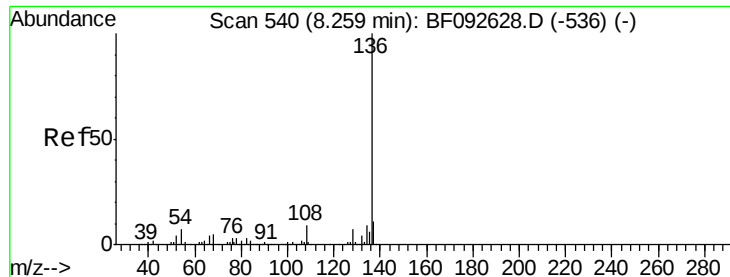
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.10 min Scan# 526

Delta R.T. -0.05 min

Lab File: BF093214.D

Acq: 27 Feb 2017 19:45

Instrument :

BNA_F

ClientSampleId :

E2-BB6-WSW

Tgt Ion:136 Resp: 588621

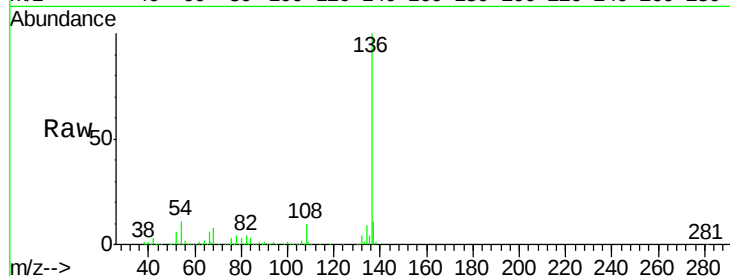
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 11.4 4.5 6.7#

68 7.5 3.6 5.4#

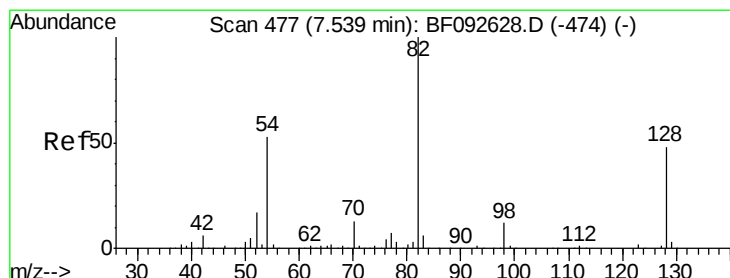
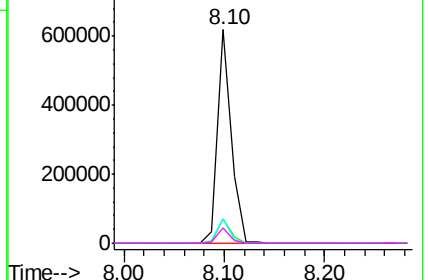
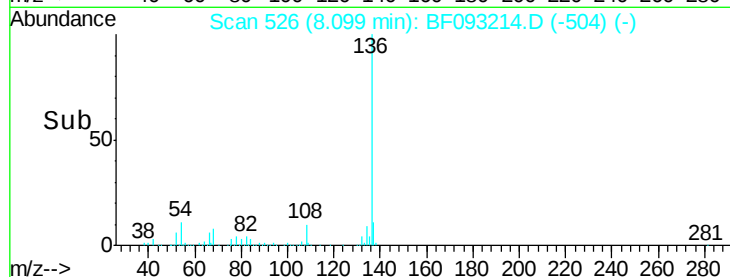


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 109.76 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.03 min

Lab File: BF093214.D

Acq: 27 Feb 2017 19:45

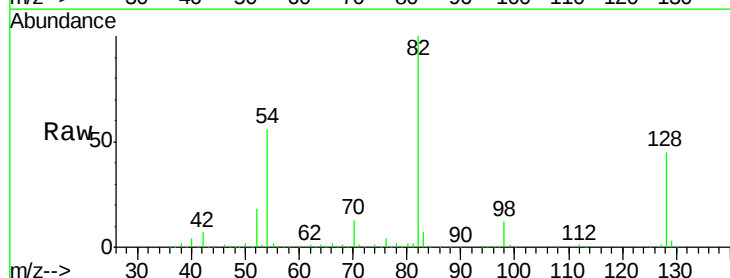
Tgt Ion: 82 Resp: 1160191

Ion Ratio Lower Upper

82 100

128 44.7 34.6 52.0

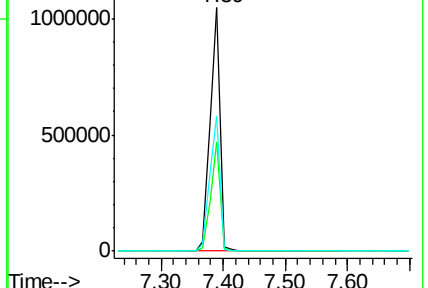
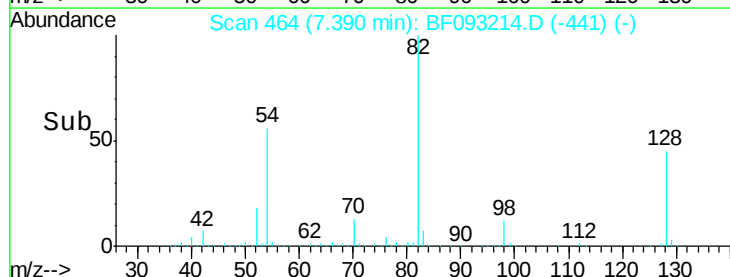
54 55.6 39.5 59.3

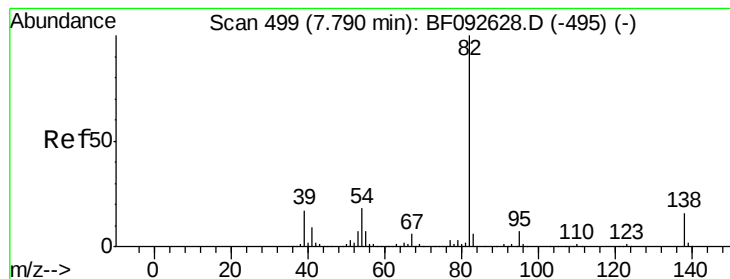


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 57.41 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.30 min

Lab File: BF093214.D

Acq: 27 Feb 2017 19:45

Instrument :

BNA_F

ClientSampleId :

E2-BB6-WSW

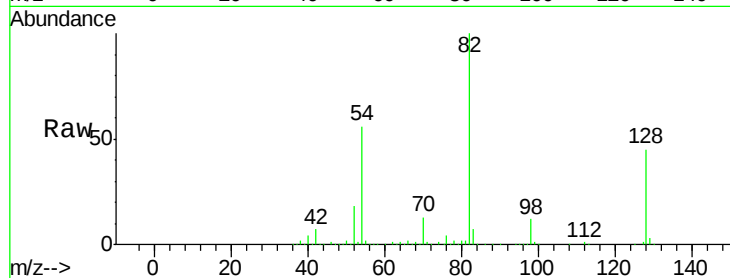
Tgt Ion: 82 Resp: 1130815

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

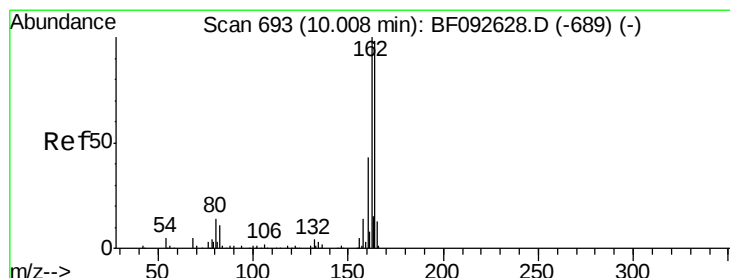
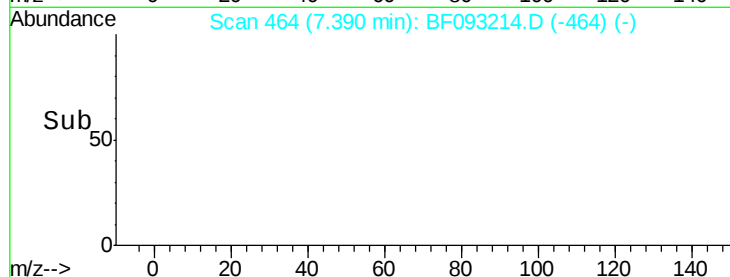
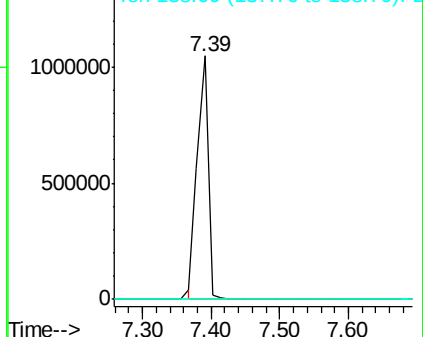
138 0.0 14.6 22.0#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.03 min

Lab File: BF093214.D

Acq: 27 Feb 2017 19:45

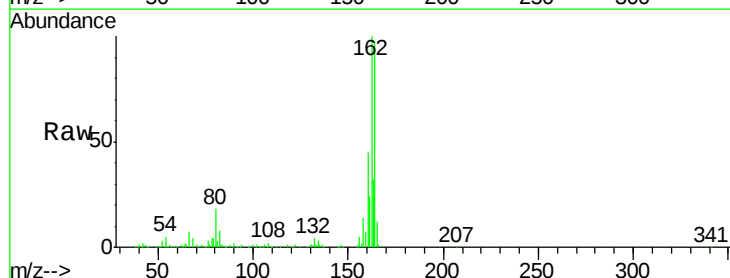
Tgt Ion:164 Resp: 293943

Ion Ratio Lower Upper

164 100

162 103.5 80.2 120.2

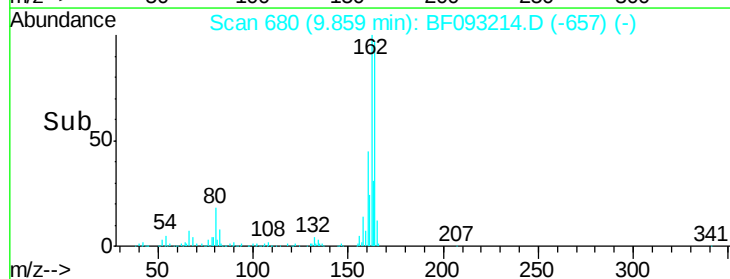
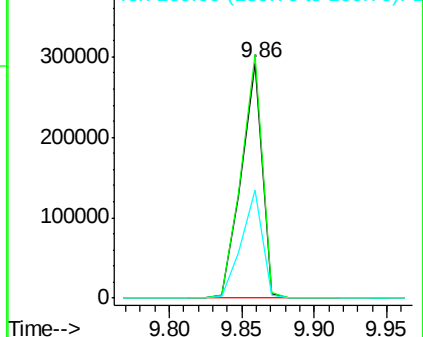
160 46.1 36.9 55.3

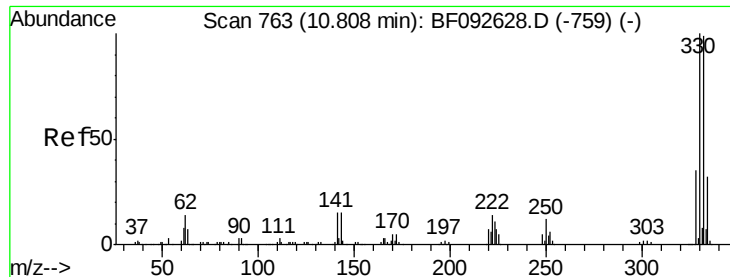


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

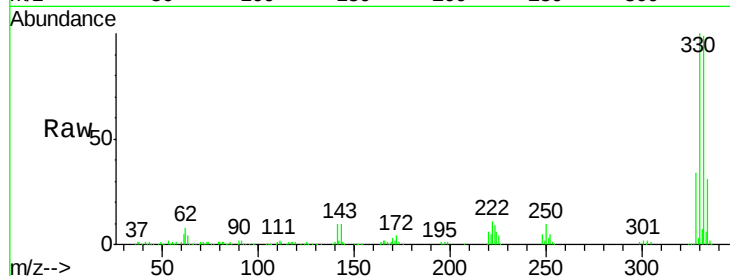




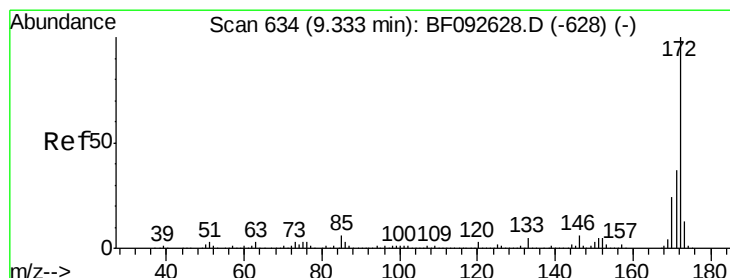
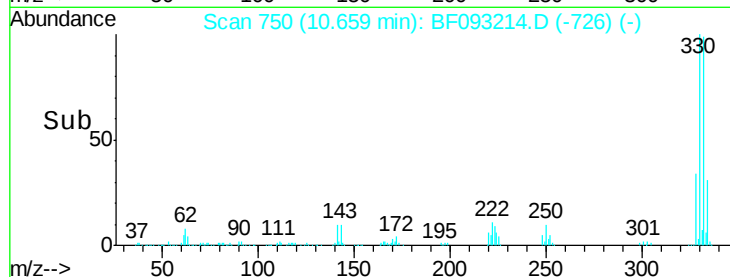
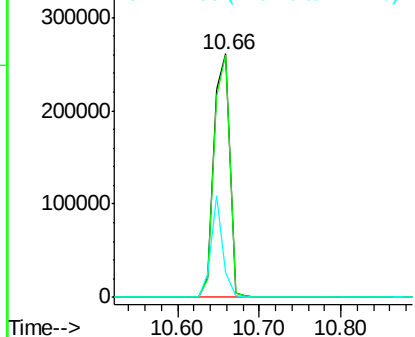
#41
 2,4,6-Tribromophenol
 Concen: 166.37 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.02 min
 Lab File: BF093214.D
 Acq: 27 Feb 2017 19:45

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB6-WSW

Tgt Ion:330 Resp: 353689
 Ion Ratio Lower Upper
 330 100
 332 98.2 77.4 116.2
 141 31.9 34.1 51.1#

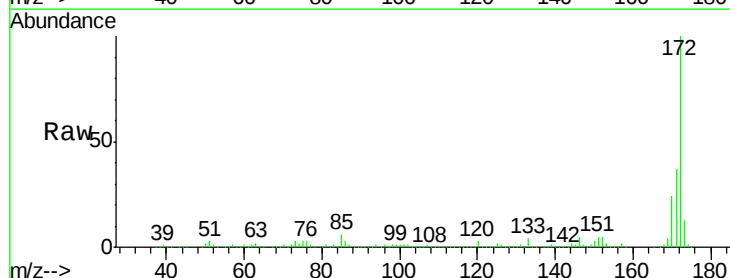


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

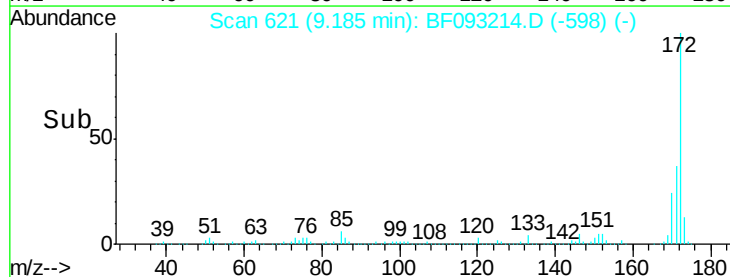
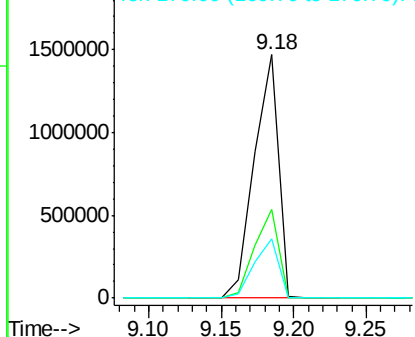


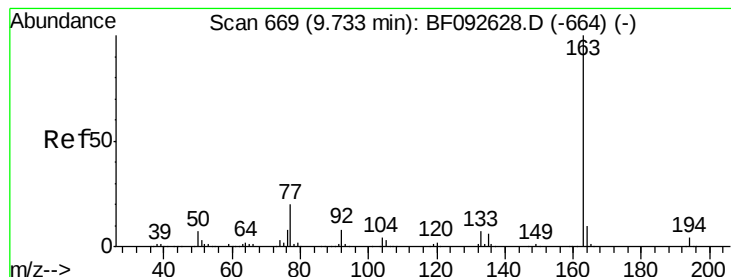
#44
 2-Fluorobiphenyl
 Concen: 105.16 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.03 min
 Lab File: BF093214.D
 Acq: 27 Feb 2017 19:45

Tgt Ion:172 Resp: 1706257
 Ion Ratio Lower Upper
 172 100
 171 36.7 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





#49

Dimethylphthalate

Concen: 32.87 ng

RT: 9.57 min Scan# 655

Delta R.T. -0.05 min

Lab File: BF093214.D

Acq: 27 Feb 2017 19:45

Instrument :

BNA_F

ClientSampleId :

E2-BB6-WSW

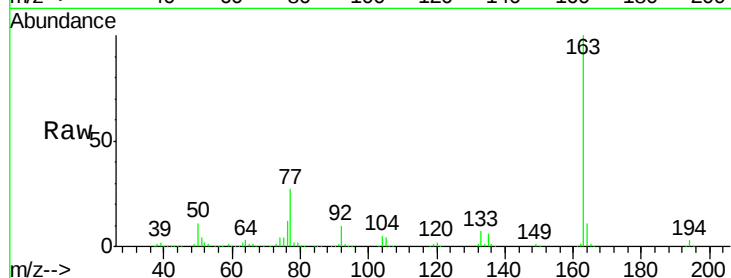
Tgt Ion:163 Resp: 650865

Ion Ratio Lower Upper

163 100

194 3.2 3.0 4.4

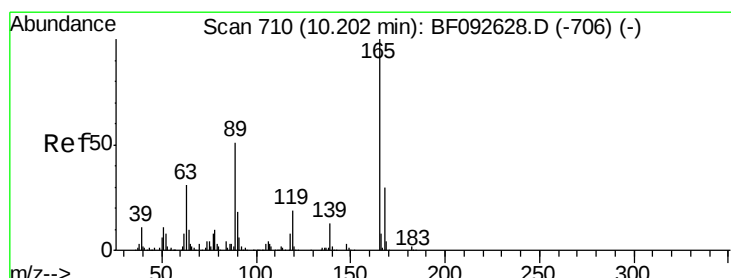
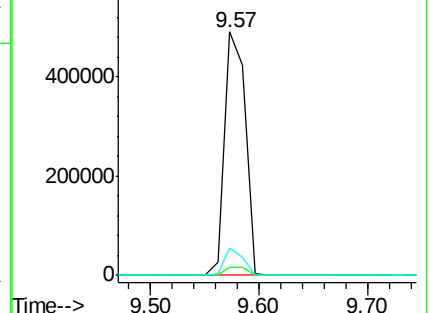
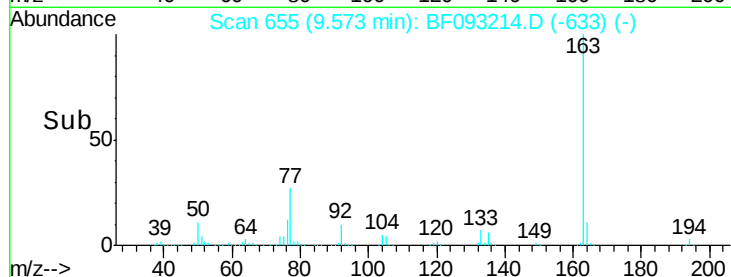
164 11.1 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.55 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.23 min

Lab File: BF093214.D

Acq: 27 Feb 2017 19:45

Tgt Ion:165 Resp: 37311

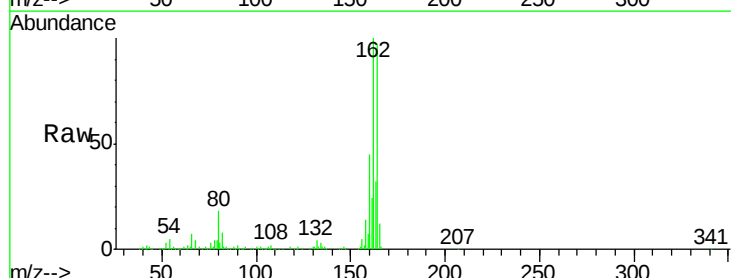
Ion Ratio Lower Upper

165 100

63 1.7 40.2 60.4#

89 1.8 62.5 93.7#

182 0.0 1.8 2.8#

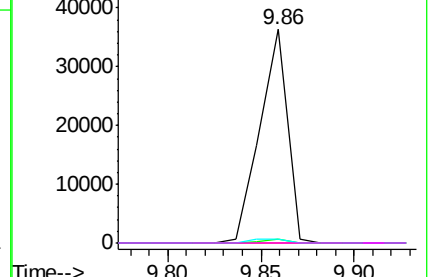
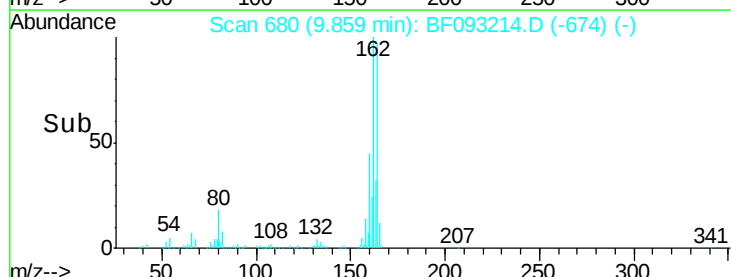


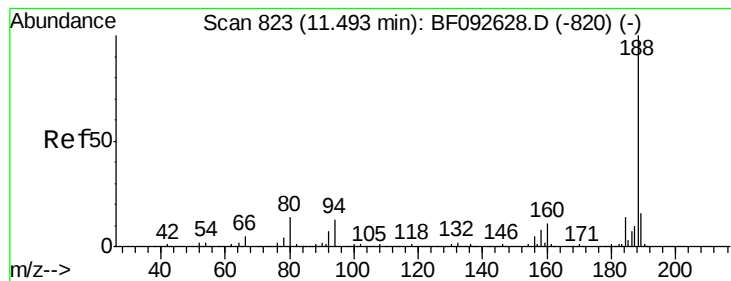
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.35 min Scan# 810

Delta R.T. -0.03 min

Lab File: BF093214.D

Acq: 27 Feb 2017 19:45

Instrument :

BNA_F

ClientSampleId :

E2-BB6-WSW

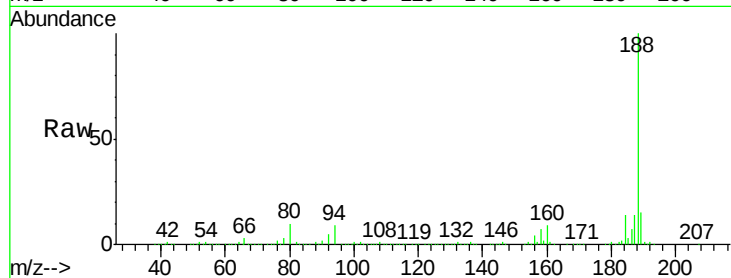
Tgt Ion:188 Resp: 572448

Ion Ratio Lower Upper

188 100

94 9.3 10.0 15.0#

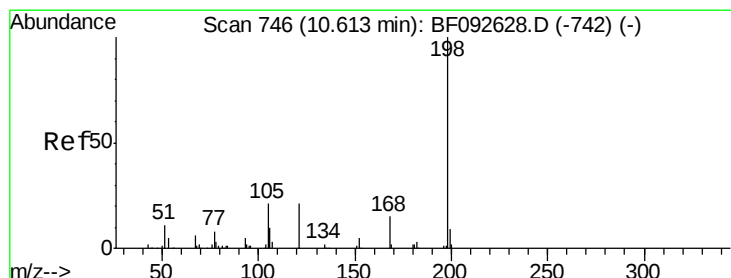
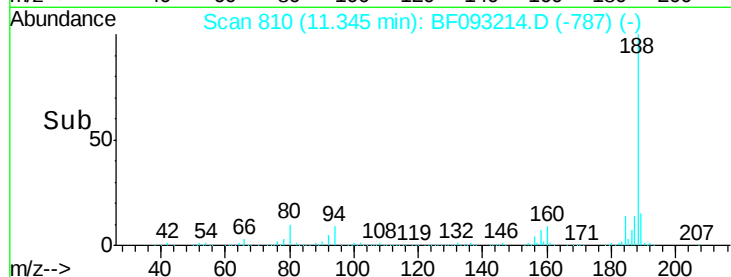
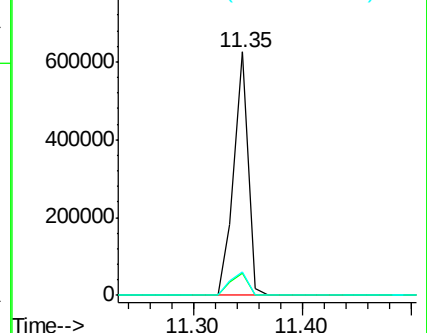
80 9.8 11.2 16.8#



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: 2.81 ng

RT: 10.65 min Scan# 749

Delta R.T. 0.15 min

Lab File: BF093214.D

Acq: 27 Feb 2017 19:45

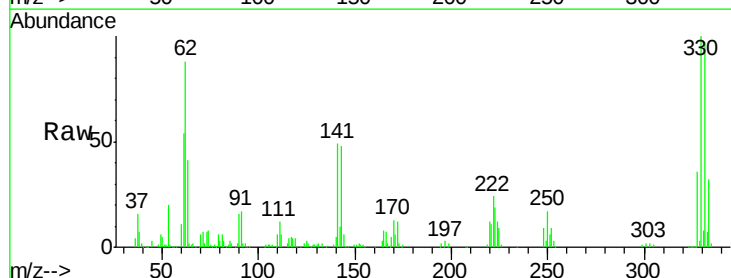
Tgt Ion:198 Resp: 516

Ion Ratio Lower Upper

198 100

51 234.3 6.7 46.7#

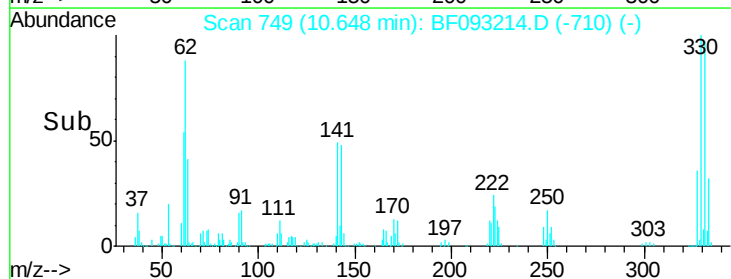
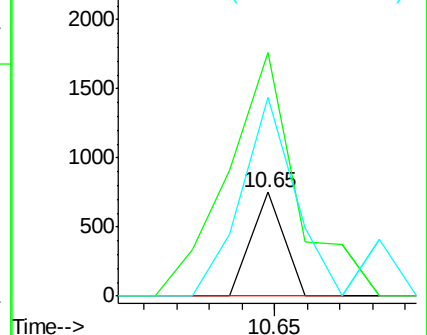
105 191.8 16.6 56.6#

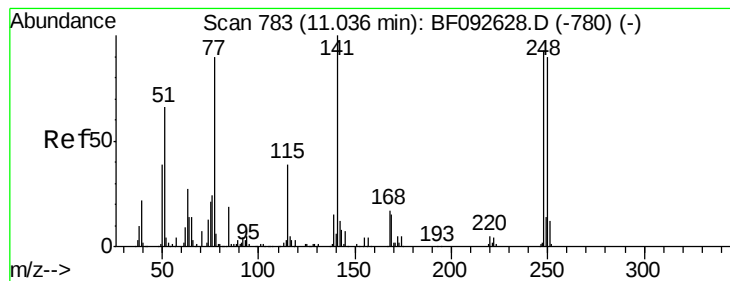


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 4.03 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.27 min

Lab File: BF093214.D

Acq: 27 Feb 2017 19:45

Instrument :

BNA_F

ClientSampleId :

E2-BB6-WSW

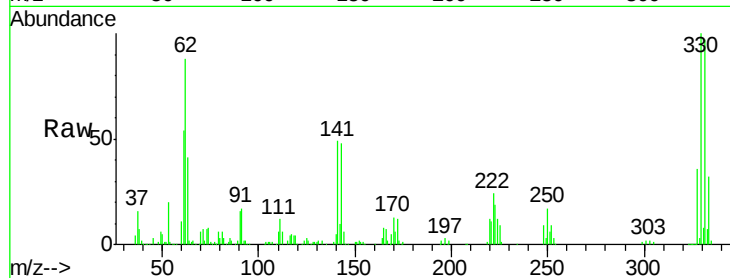
Tgt Ion:248 Resp: 24109

Ion Ratio Lower Upper

248 100

250 190.0 76.9 115.3#

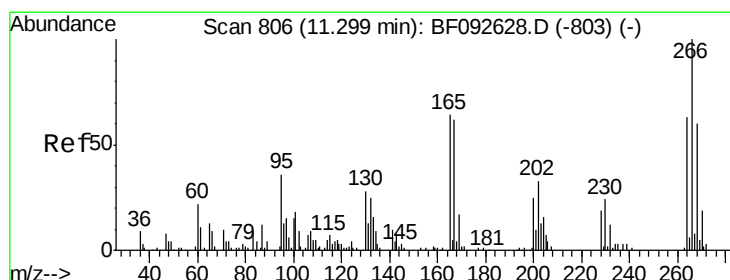
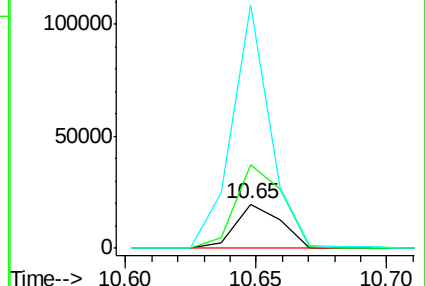
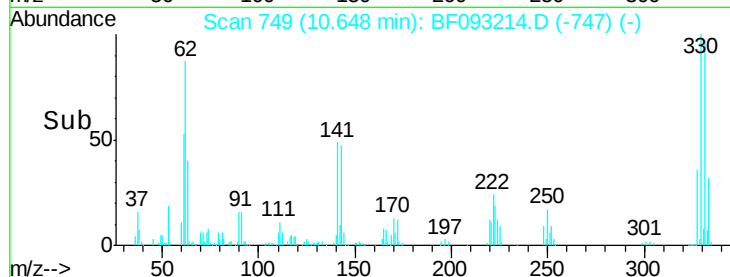
141 550.8 68.2 102.4#



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



#69

Pentachlorophenol

Concen: 7.39 ng

RT: 11.15 min Scan# 793

Delta R.T. -0.03 min

Lab File: BF093214.D

Acq: 27 Feb 2017 19:45

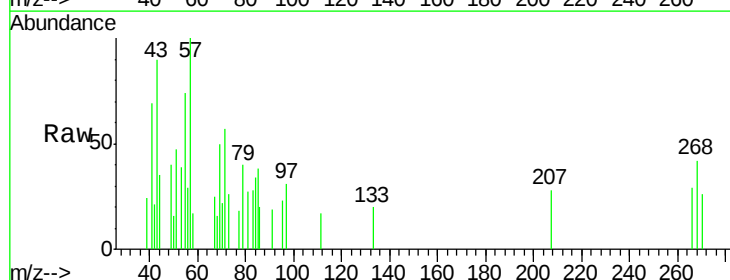
Tgt Ion:266 Resp: 621

Ion Ratio Lower Upper

266 100

268 144.5 53.3 79.9#

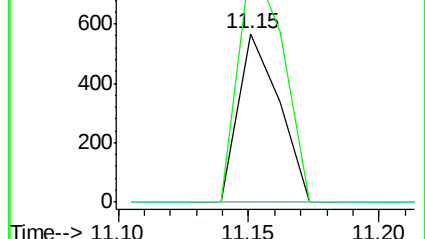
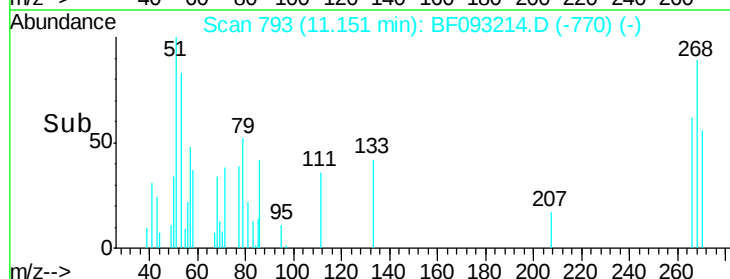
264 0.0 50.3 75.5#

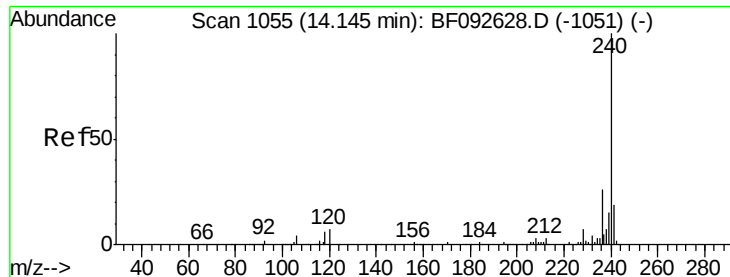


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF093214.D

Acq: 27 Feb 2017 19:45

Instrument :

BNA_F

ClientSampleId :

E2-BB6-WSW

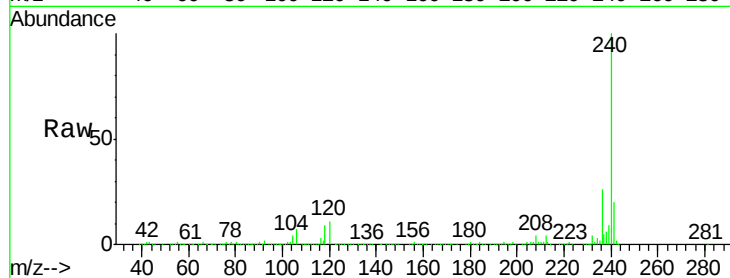
Tgt Ion:240 Resp: 503167

Ion Ratio Lower Upper

240 100

120 10.8 12.9 19.3#

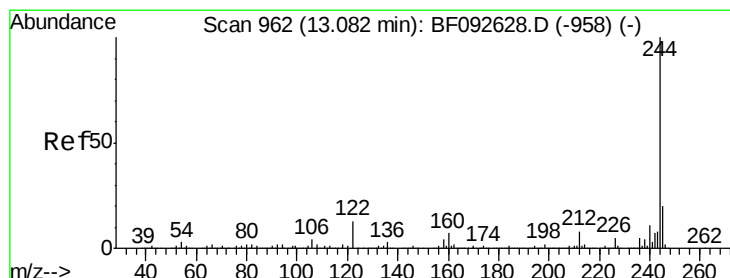
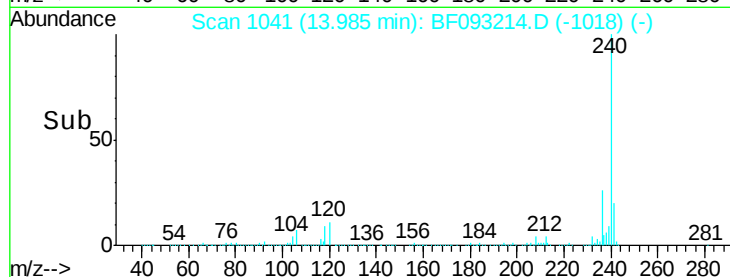
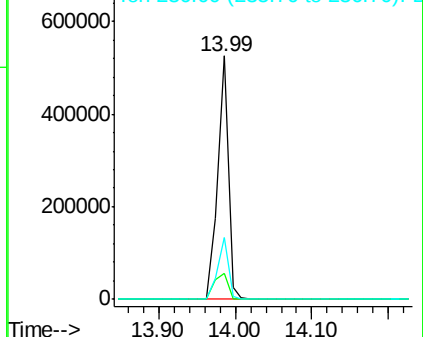
236 25.6 20.9 31.3



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: 63.89 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.03 min

Lab File: BF093214.D

Acq: 27 Feb 2017 19:45

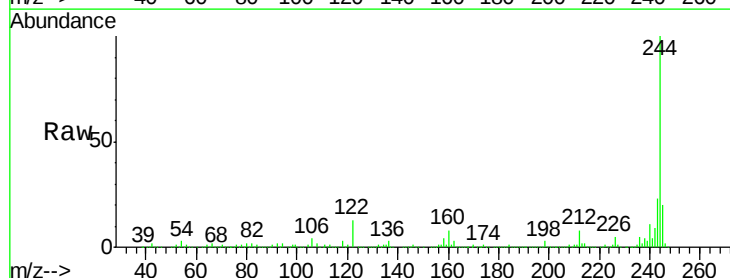
Tgt Ion:244 Resp: 1368173

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

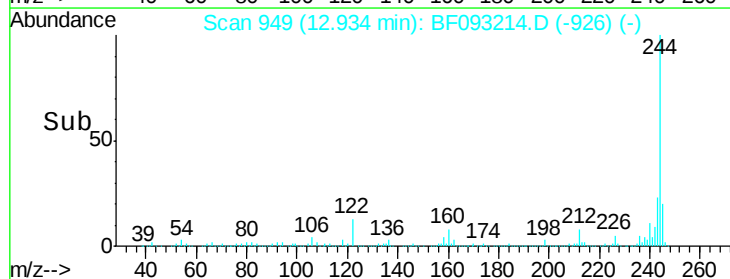
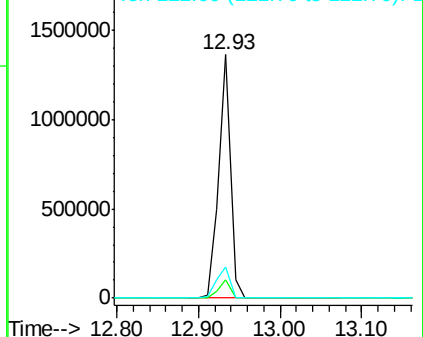
122 12.9 11.4 17.2

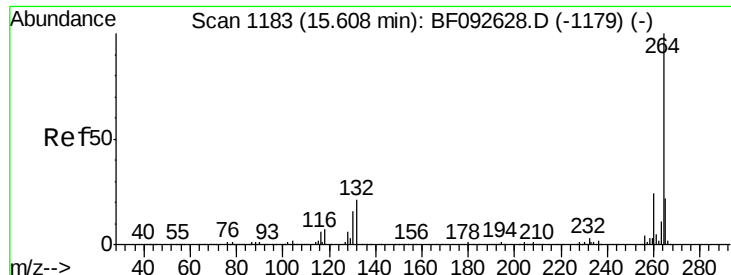


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF093214.D
Acq: 27 Feb 2017 19:45

Instrument :
BNA_F
ClientSampleId :
E2-BB6-WSW

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.0	17.4	26.0

