

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
 Data File : BF092569.D
 Acq On : 27 Jan 2017 11:32
 Operator : SJ/MA
 Sample : I1353-05
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 27 12:17:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

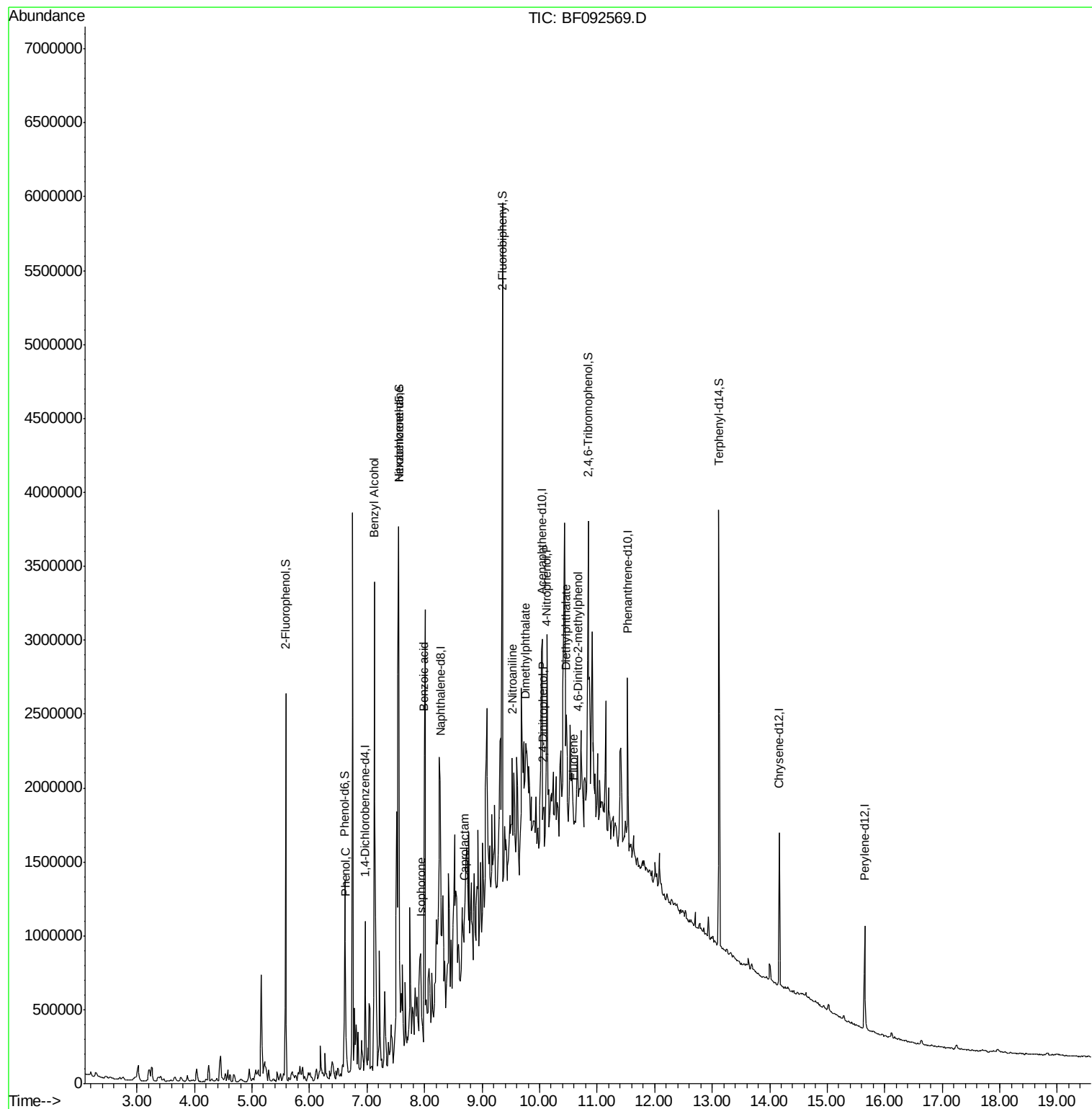
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	164730	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	649623	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	338582	20.00	ng	0.01
63) Phenanthrene-d10	11.53	188	502043	20.00	ng	0.00
75) Chrysene-d12	14.17	240	350909	20.00	ng	0.00
86) Perylene-d12	15.65	264	340527	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	661133	62.44	ng	0.03
7) Phenol-d6	6.61	99	554732	41.13	ng	0.02
23) Nitrobenzene-d5	7.55	82	1138918	95.77	ng	0.01
41) 2,4,6-Tribromophenol	10.84	330	316550	137.20	ng	0.02
44) 2-Fluorobiphenyl	9.36	172	1724780	94.20	ng	0.00
78) Terphenyl-d14	13.12	244	1280547	97.17	ng	0.00
Target Compounds						
10) Phenol	6.62	94	37920	2.33	ng	# 83
15) Benzyl Alcohol	7.13	79	21470	2.11	ng	# 35
18) Hexachloroethane	7.55	117	419682	92.03	ng	# 40
25) Isophorone	7.94	82	68004	2.90	ng	# 72
32) Benzoic acid	8.00	122	1291	4.84	ng	# 1
35) Caprolactam	8.69	113	52182	16.60	ng	# 1
47) 2-Nitroaniline	9.53	65	14904	2.21	ng	# 40
49) Dimethylphthalate	9.76	163	52753	2.45	ng	# 6
53) 2,4-Dinitrophenol	10.06	184	556	3.22	ng	# 1
55) 4-Nitrophenol	10.12	139	11048	2.52	ng	# 1
57) Fluorene	10.59	166	40763	2.22	ng	# 90
59) Diethylphthalate	10.46	149	45631	2.21	ng	# 47
64) 4,6-Dinitro-2-methylphenol	10.66	198	5018	6.61	ng	# 1

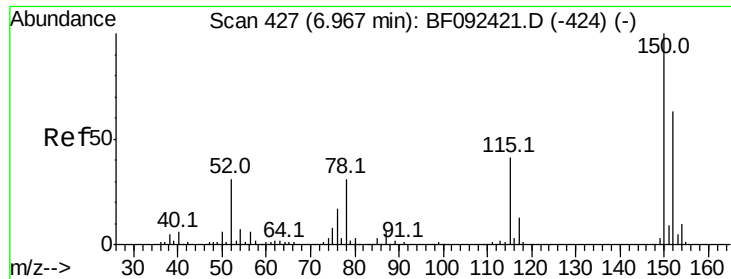
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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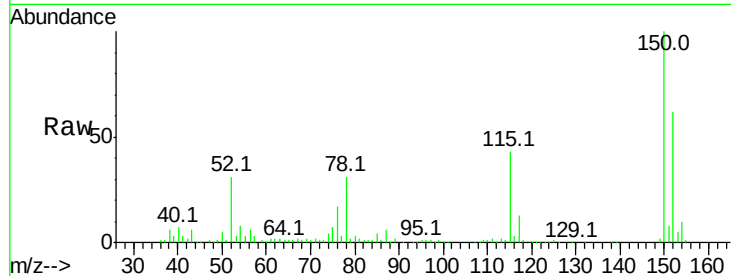


#1

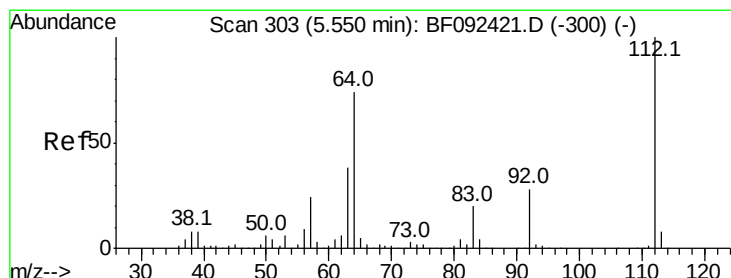
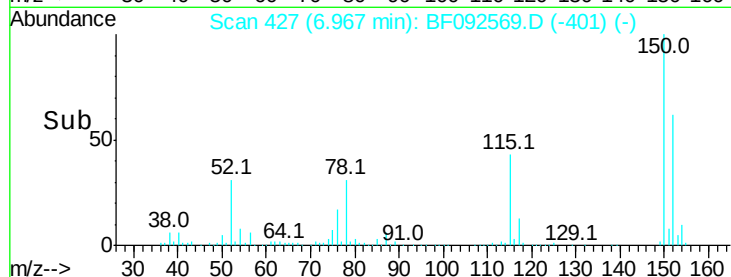
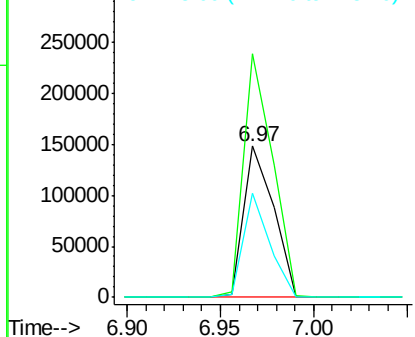
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF092569.D
Acq: 27 Jan 2017 11:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 164730
Ion Ratio Lower Upper
152 100
150 161.0 124.9 187.3
115 69.0 46.0 69.0#



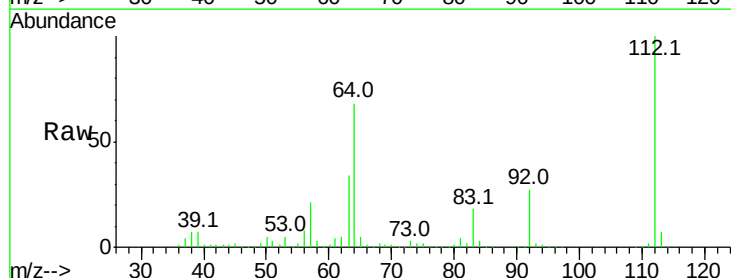
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



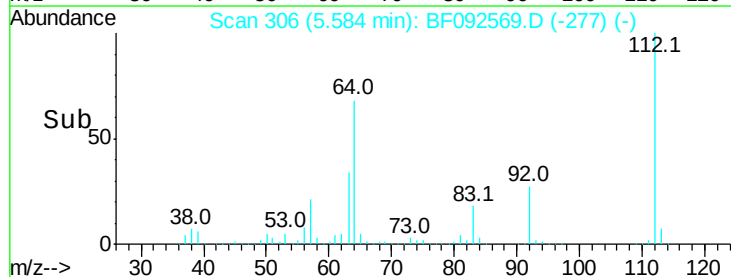
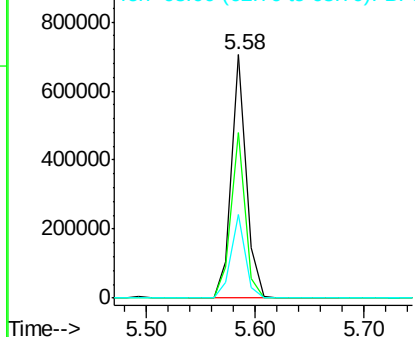
#5

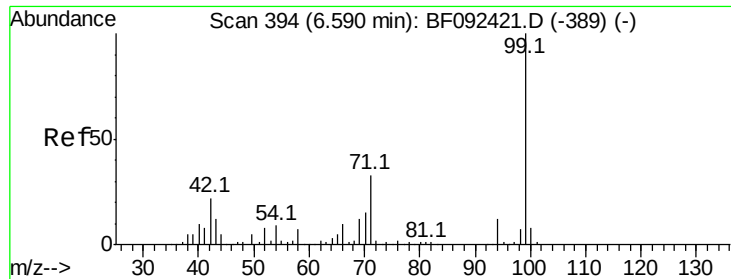
2-Fluorophenol
Concen: 62.44 ng
RT: 5.58 min Scan# 306
Delta R.T. 0.03 min
Lab File: BF092569.D
Acq: 27 Jan 2017 11:32

Tgt Ion:112 Resp: 661133
Ion Ratio Lower Upper
112 100
64 67.7 46.1 69.1
63 34.2 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: 41.13 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.02 min

Lab File: BF092569.D

Acq: 27 Jan 2017 11:32

Instrument :

BNA_F

ClientSampleId :

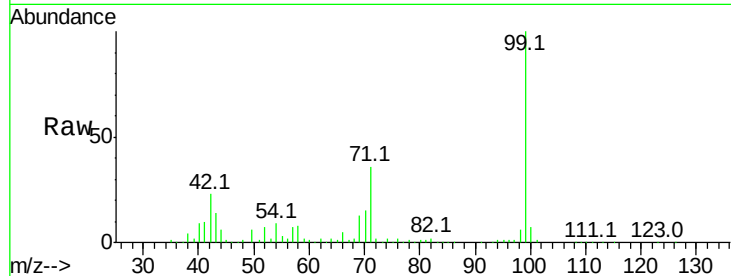
Tot Ion: 99 Resp: 554732

Ion Ratio Lower Upper

99 100

42 23.0 15.6 23.4

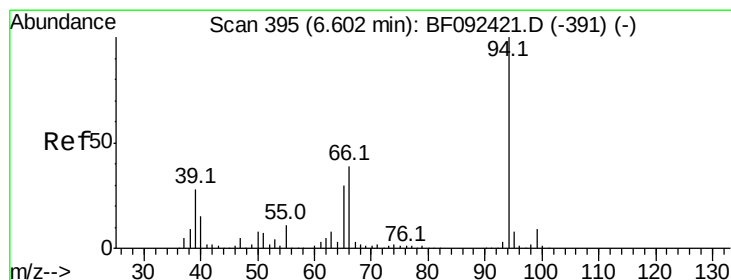
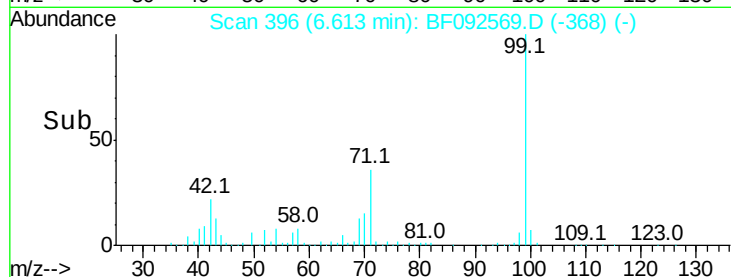
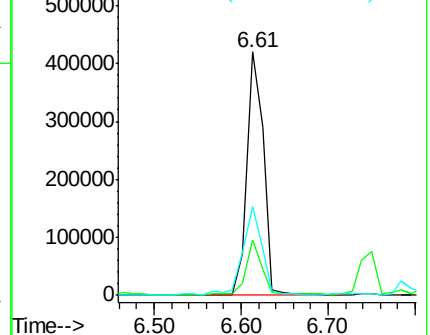
71 36.5 27.5 41.3



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



#10

Phenol

Concen: 2.33 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.02 min

Lab File: BF092569.D

Acq: 27 Jan 2017 11:32

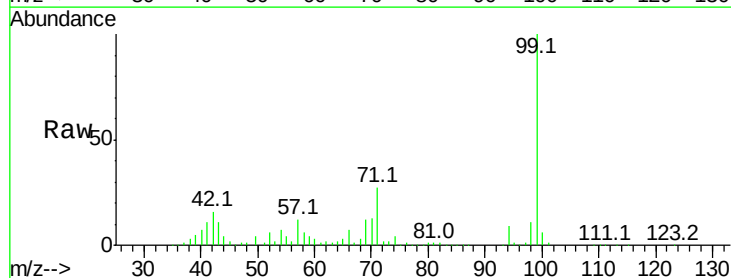
Tgt Ion: 94 Resp: 37920

Ion Ratio Lower Upper

94 100

65 39.8 21.4 61.4

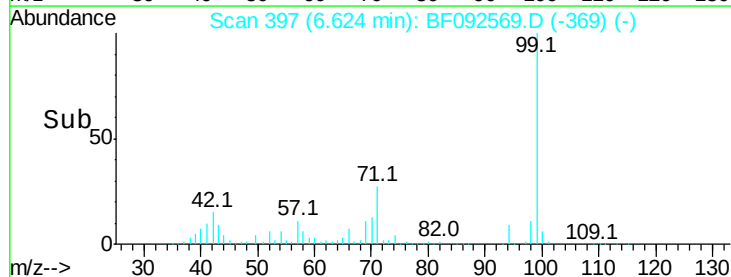
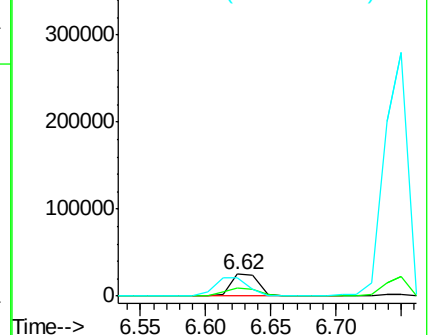
66 84.8 44.0 84.0#

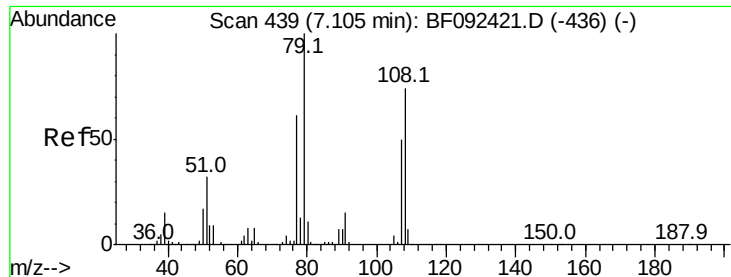


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.11 ng

RT: 7.13 min Scan# 441

Delta R.T. 0.02 min

Lab File: BF092569.D

Acq: 27 Jan 2017 11:32

Instrument :

BNA_F

ClientSampleId :

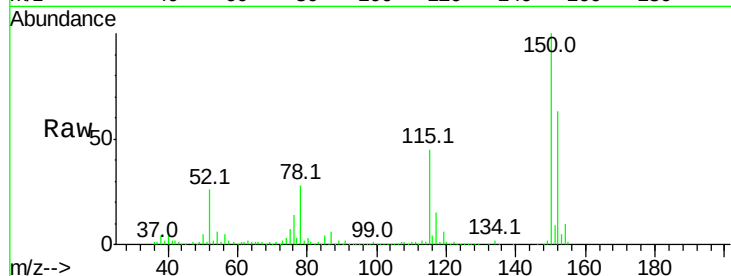
Tot Ion: 79 Resp: 21470

Ion Ratio Lower Upper

79 100

108 25.5 61.4 92.0#

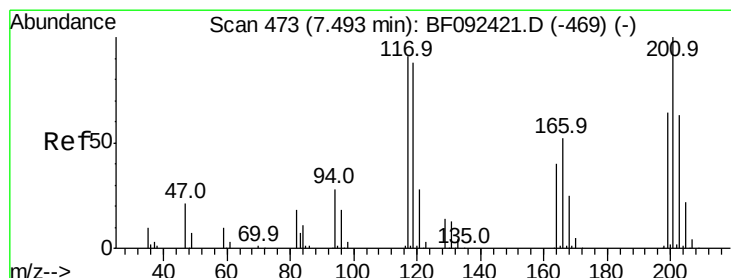
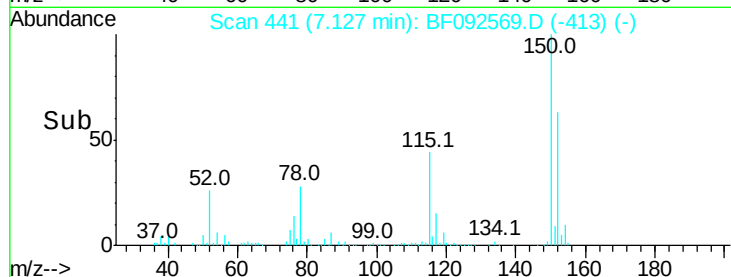
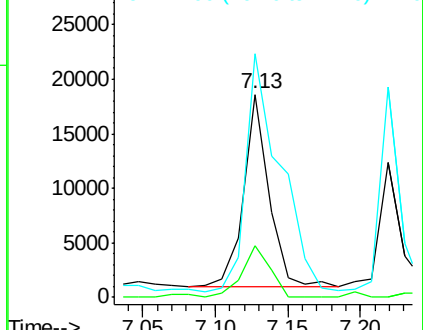
77 119.8 50.9 76.3#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 92.03 ng

RT: 7.55 min Scan# 478

Delta R.T. 0.06 min

Lab File: BF092569.D

Acq: 27 Jan 2017 11:32

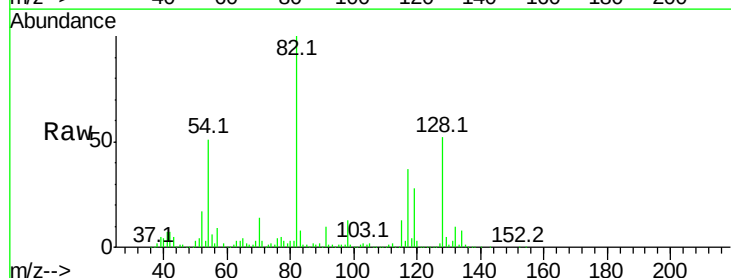
Tgt Ion: 117 Resp: 419682

Ion Ratio Lower Upper

117 100

119 77.7 78.1 117.1#

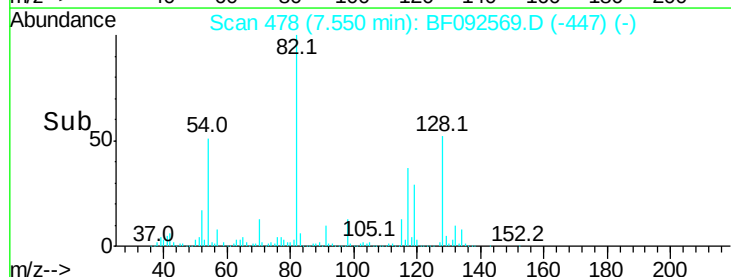
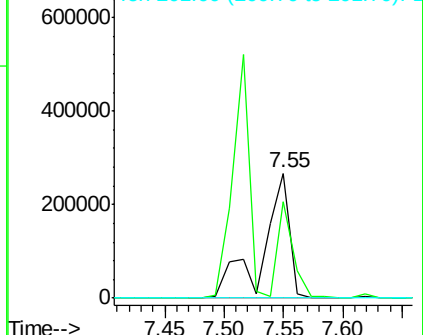
201 0.0 78.6 117.8#

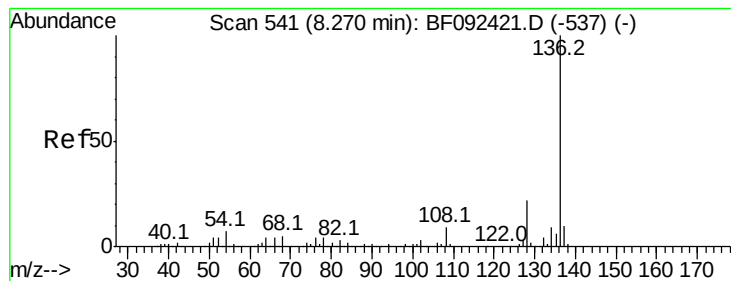


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.27 min Scan# 541

Delta R.T. -0.00 min

Lab File: BF092569.D

Acq: 27 Jan 2017 11:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 649623

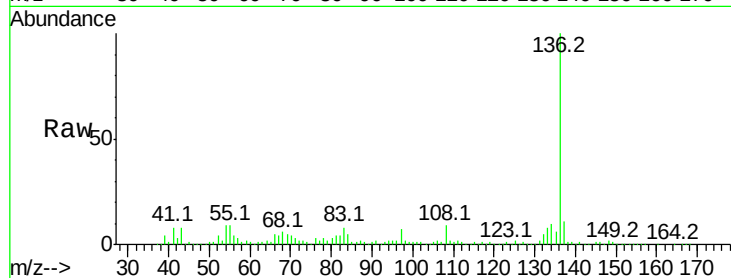
Ion Ratio Lower Upper

136 100

137 10.7 8.4 12.6

54 8.7 4.5 6.7#

68 6.4 3.6 5.4#

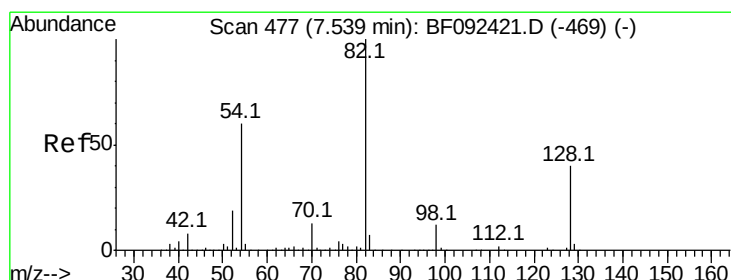
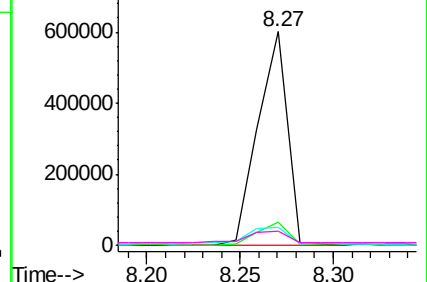
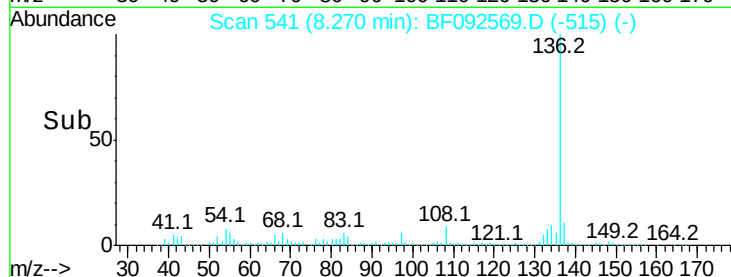


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.77 ng

RT: 7.55 min Scan# 478

Delta R.T. 0.01 min

Lab File: BF092569.D

Acq: 27 Jan 2017 11:32

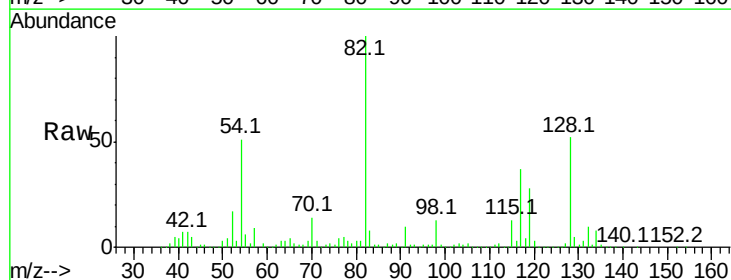
Tgt Ion: 82 Resp: 1138918

Ion Ratio Lower Upper

82 100

128 52.0 34.6 52.0#

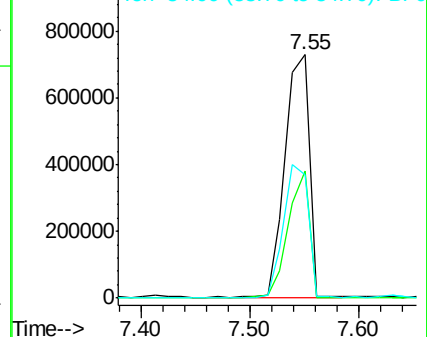
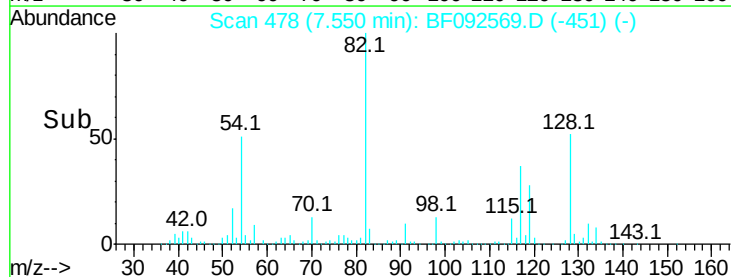
54 50.8 39.5 59.3

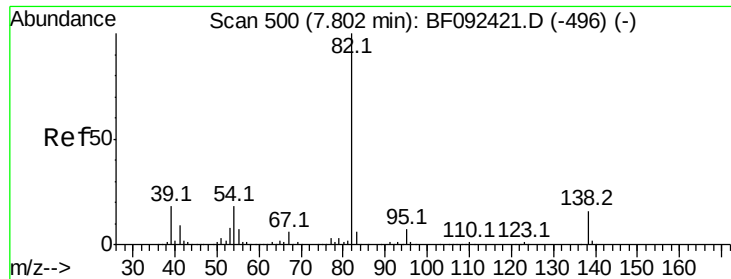


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 2.90 ng

RT: 7.94 min Scan# 512

Delta R.T. 0.14 min

Lab File: BF092569.D

Acq: 27 Jan 2017 11:32

Instrument :

BNA_F

ClientSampled :

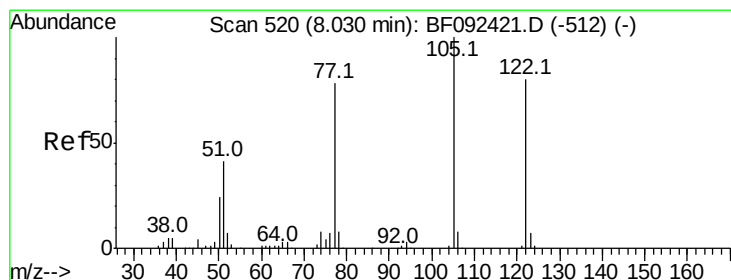
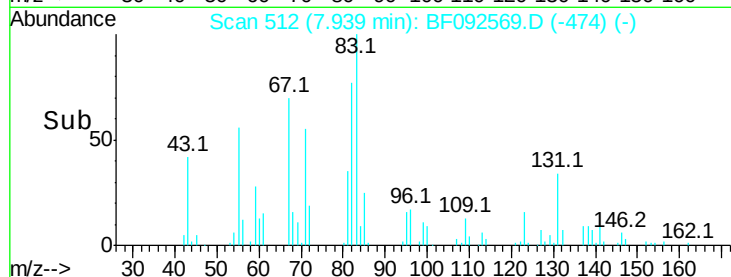
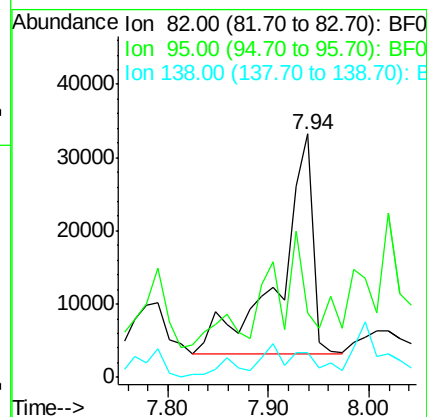
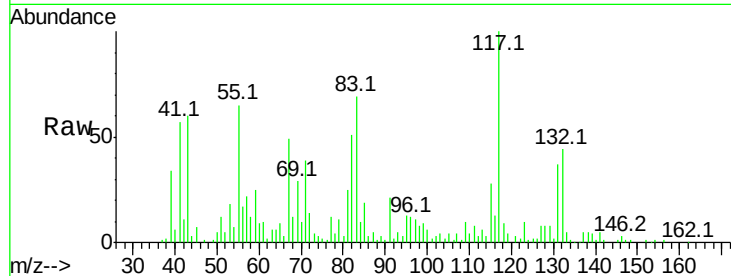
Tot Ion: 82 Resp: 68004

Ion Ratio Lower Upper

82 100

95 26.2 5.6 8.4#

138 10.4 14.6 22.0#



#32

Benzoic acid

Concen: 4.84 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.03 min

Lab File: BF092569.D

Acq: 27 Jan 2017 11:32

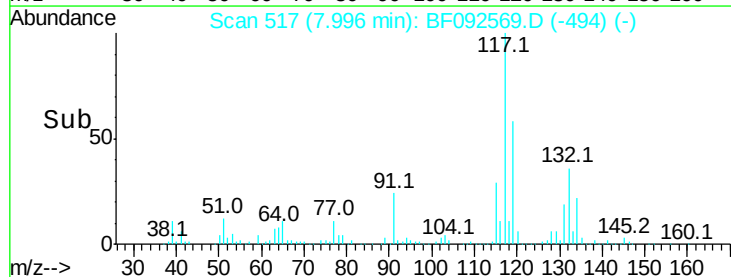
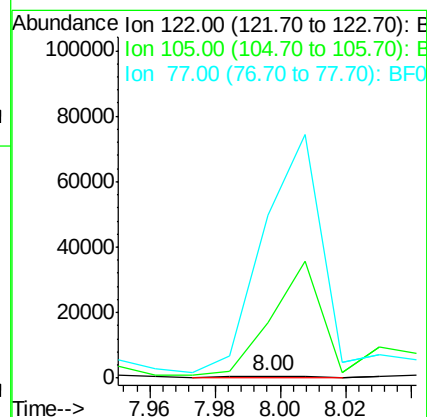
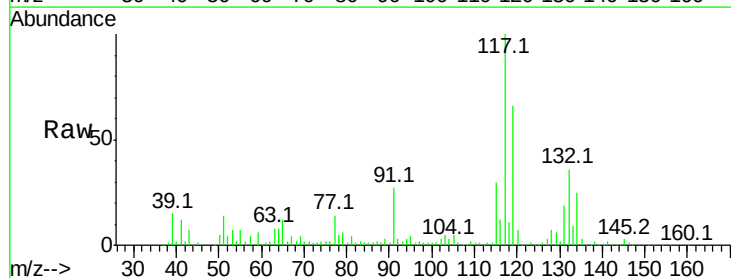
Tgt Ion:122 Resp: 1291

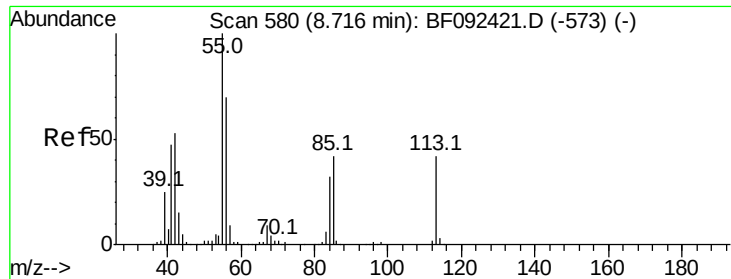
Ion Ratio Lower Upper

122 100

105 2494.8 107.2 147.2#

77 7363.6 74.5 114.5#





#35

Caprolactam

Concen: 16.60 ng

RT: 8.69 min Scan# 578

Delta R.T. -0.02 min

Lab File: BF092569.D

Acq: 27 Jan 2017 11:32

Instrument :

BNA_F

ClientSampleId :

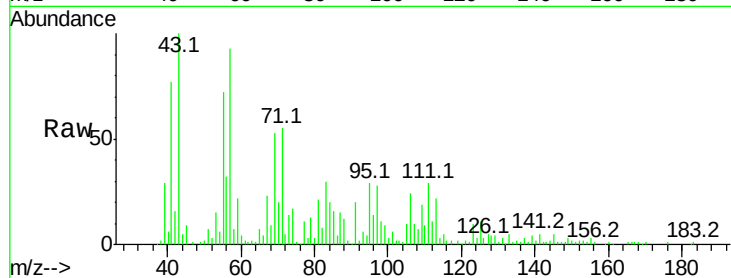
Tot Ion:113 Resp: 52182

Ion Ratio Lower Upper

113 100

55 323.9 119.2 159.2#

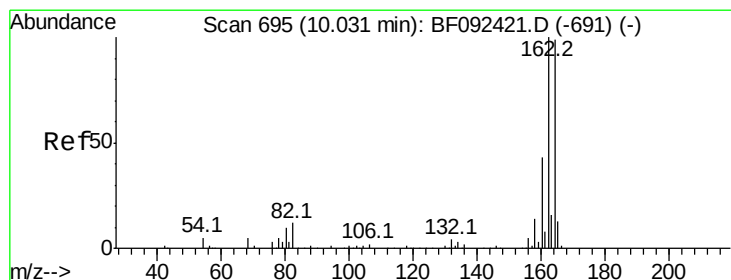
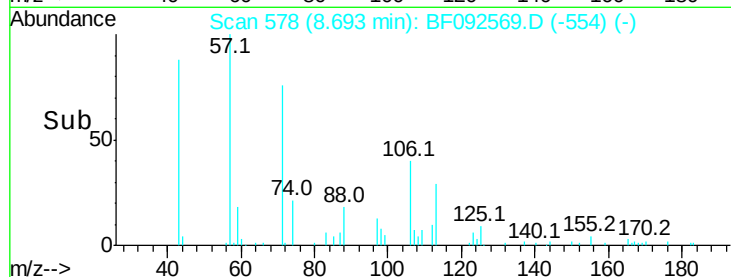
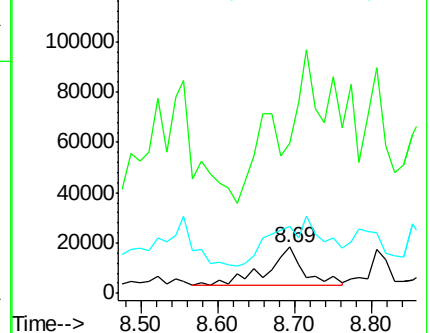
56 144.5 83.8 123.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.04 min Scan# 696

Delta R.T. 0.01 min

Lab File: BF092569.D

Acq: 27 Jan 2017 11:32

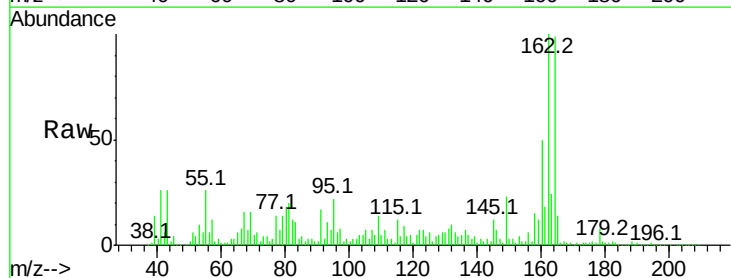
Tgt Ion:164 Resp: 338582

Ion Ratio Lower Upper

164 100

162 101.1 80.2 120.2

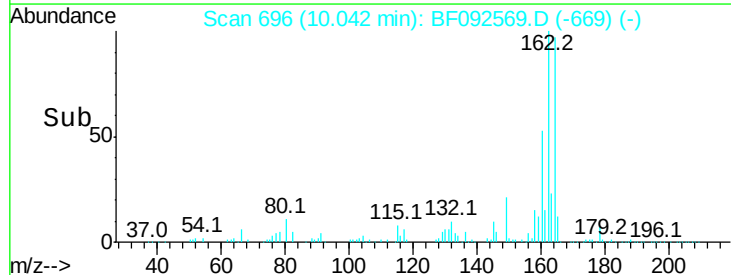
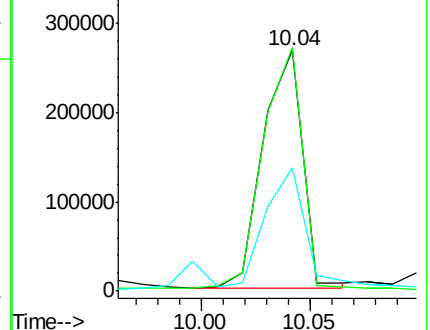
160 51.0 36.9 55.3

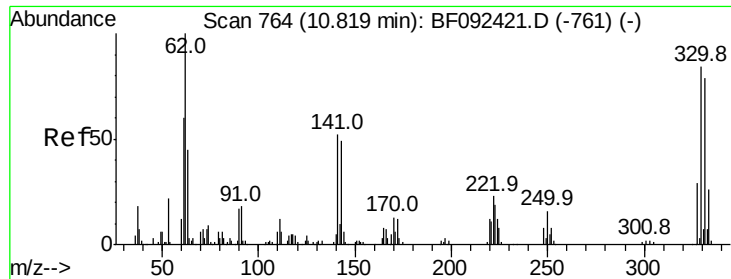


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 137.20 ng

RT: 10.84 min Scan# 766

Delta R.T. 0.02 min

Lab File: BF092569.D

Acq: 27 Jan 2017 11:32

Instrument :

BNA_F

ClientSampleId :

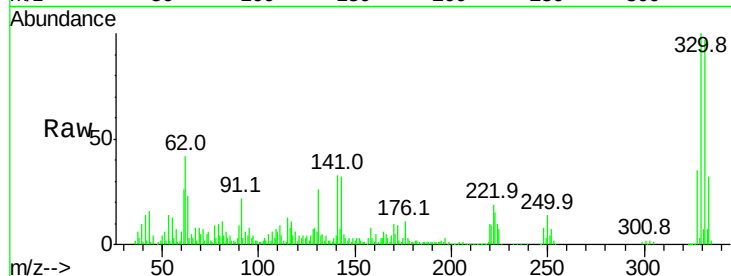
Tot Ion:330 Resp: 316550

Ion Ratio Lower Upper

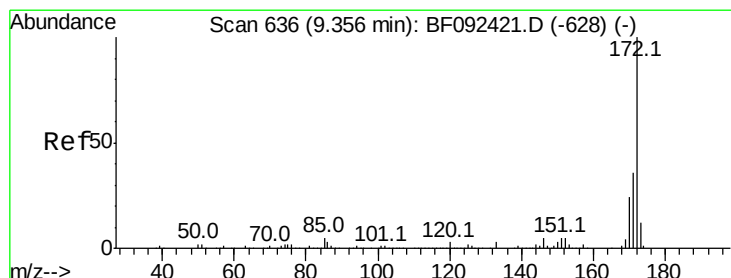
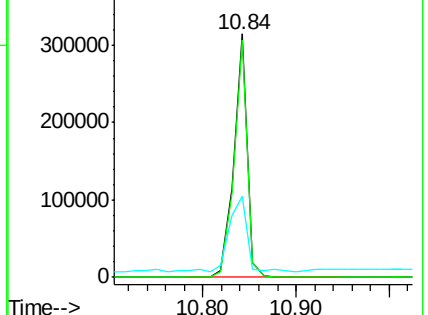
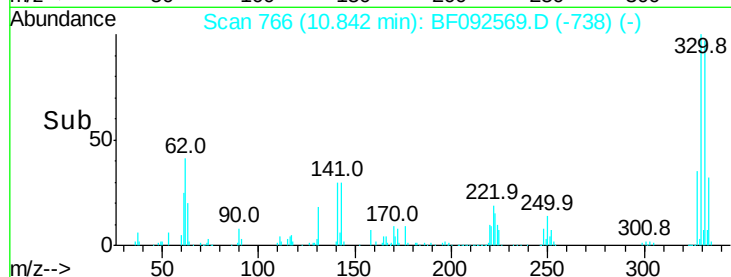
330 100

332 96.4 77.4 116.2

141 40.9 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: 94.20 ng

RT: 9.36 min Scan# 636

Delta R.T. 0.00 min

Lab File: BF092569.D

Acq: 27 Jan 2017 11:32

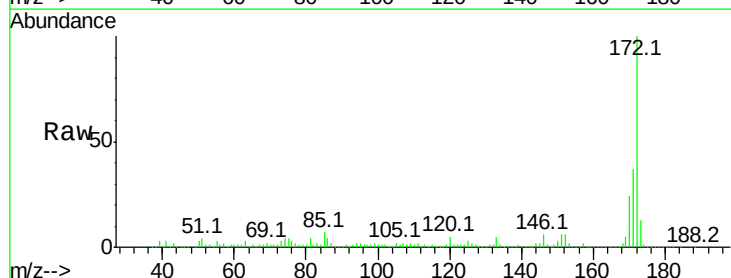
Tgt Ion:172 Resp: 1724780

Ion Ratio Lower Upper

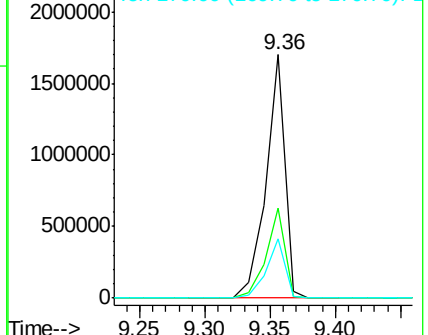
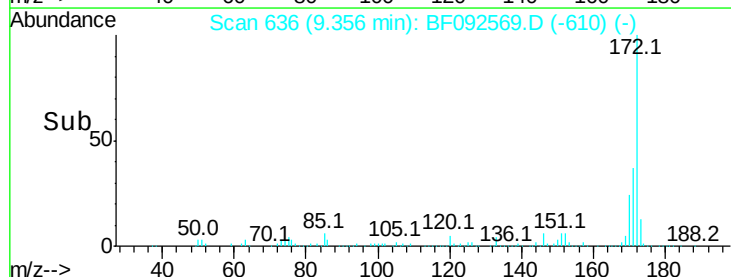
172 100

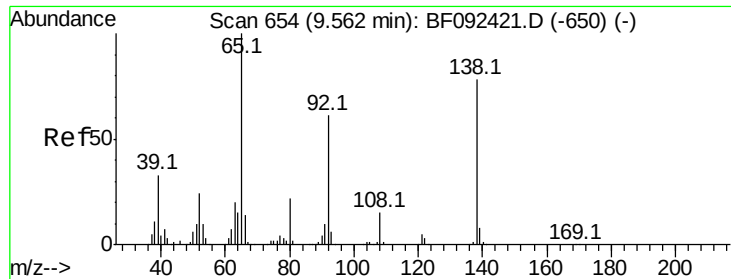
171 37.2 29.4 44.0

170 24.5 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

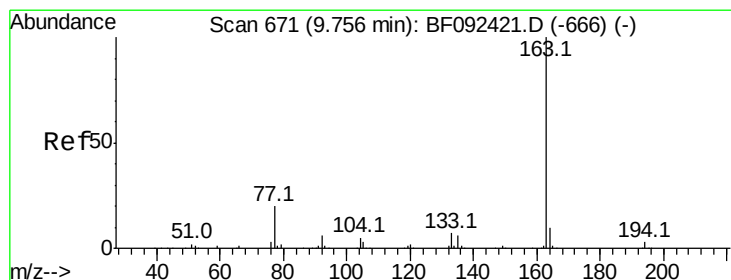
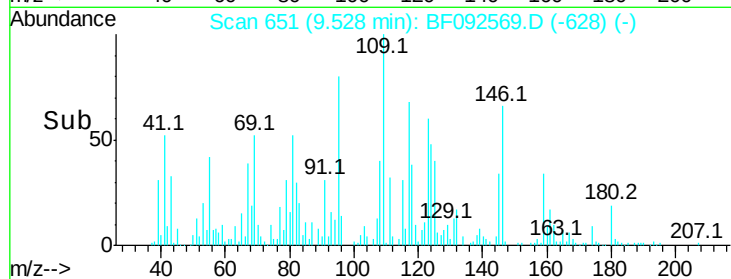
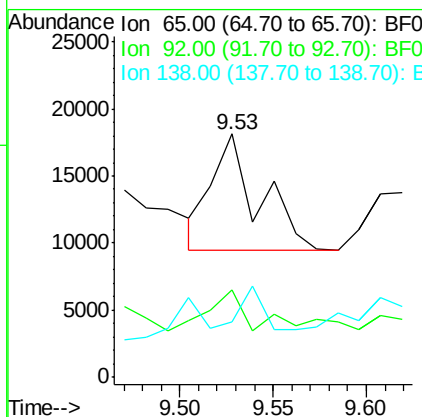
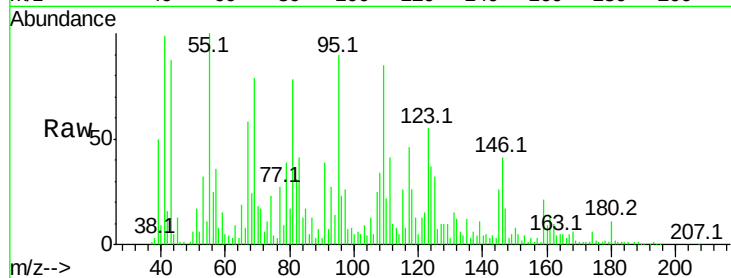




#47
2-Nitroaniline
Concen: 2.21 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.03 min
Lab File: BF092569.D
Acq: 27 Jan 2017 11:32

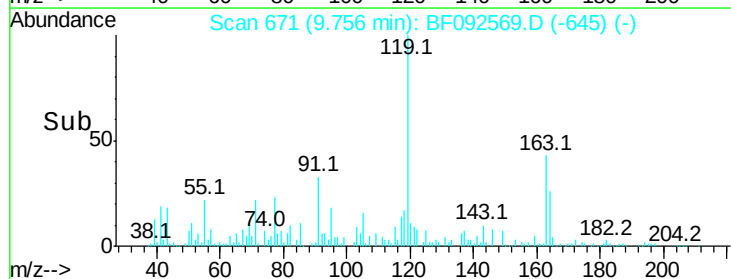
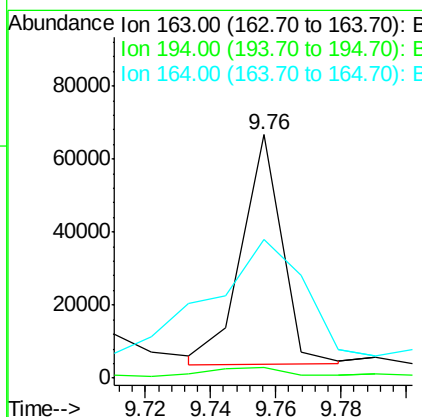
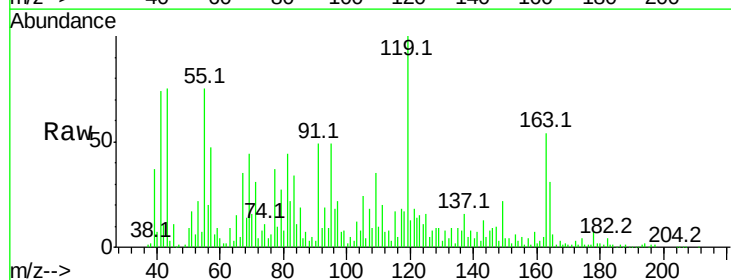
Instrument :
BNA_F
ClientSampled :

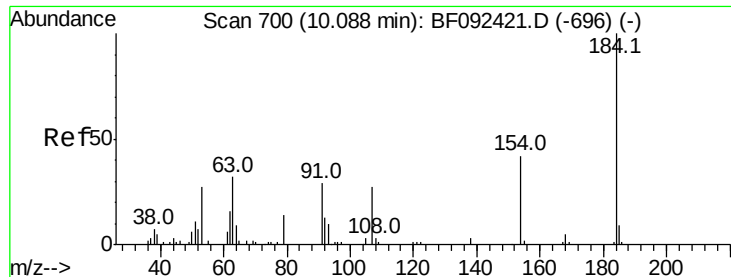
Tot Ion: 65 Resp: 14904
Ion Ratio Lower Upper
65 100
92 35.9 53.9 80.9#
138 23.0 76.8 115.2#



#49
Dimethylphthalate
Concen: 2.45 ng
RT: 9.76 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF092569.D
Acq: 27 Jan 2017 11:32

Tgt Ion:163 Resp: 52753
Ion Ratio Lower Upper
163 100
194 4.6 3.0 4.4#
164 57.1 8.0 12.0#





#53

2,4-Dinitrophenol

Concen: 3.22 ng

RT: 10.06 min Scan# 698

Delta R.T. -0.02 min

Lab File: BF092569.D

Acq: 27 Jan 2017 11:32

Instrument :

BNA_F

ClientSampleId :

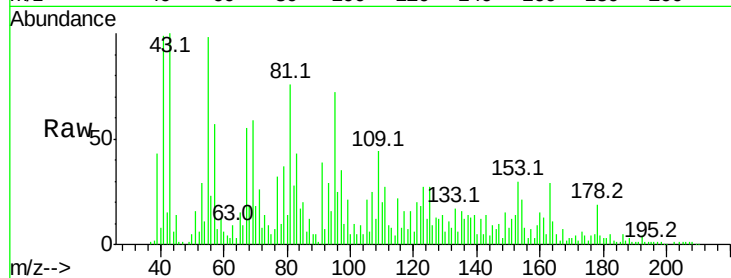
Tot Ion:184 Resp: 556

Ion Ratio Lower Upper

184 100

63 870.5 28.4 42.6#

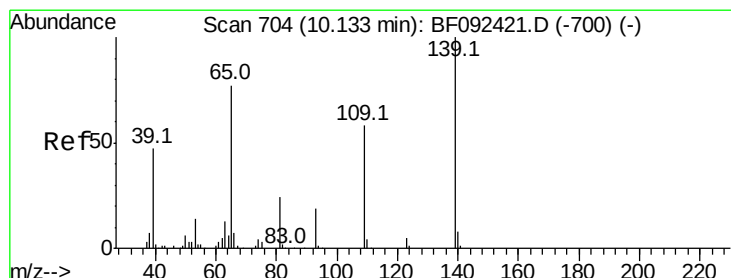
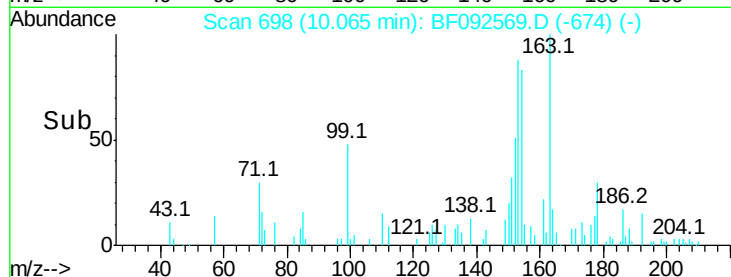
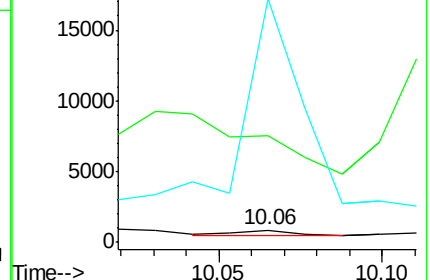
154 1991.7 44.3 66.5#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#55

4-Nitrophenol

Concen: 2.52 ng

RT: 10.12 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF092569.D

Acq: 27 Jan 2017 11:32

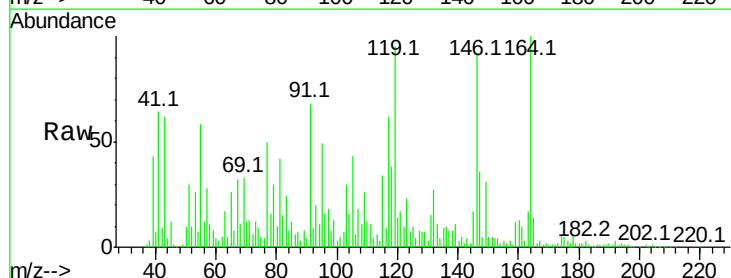
Tgt Ion:139 Resp: 11048

Ion Ratio Lower Upper

139 100

109 237.5 52.2 92.2#

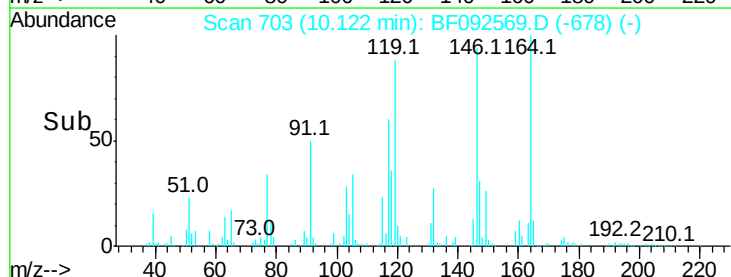
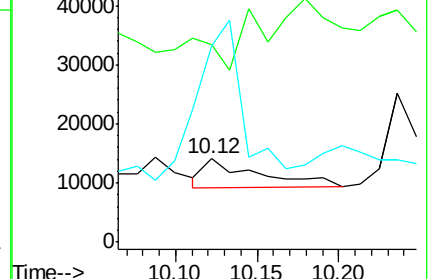
65 234.6 85.8 125.8#

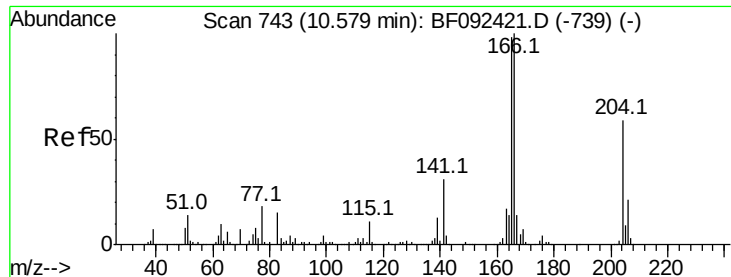


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 2.22 ng

RT: 10.59 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF092569.D

Acq: 27 Jan 2017 11:32

Instrument :

BNA_F

ClientSampleId :

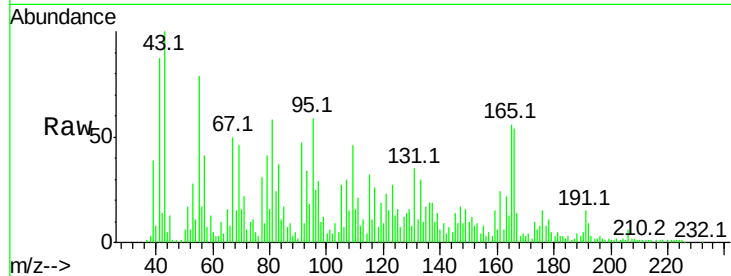
Tot Ion:166 Resp: 40763

Ion Ratio Lower Upper

166 100

165 104.1 77.8 116.8

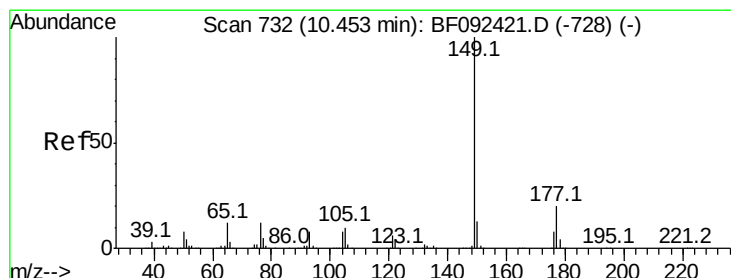
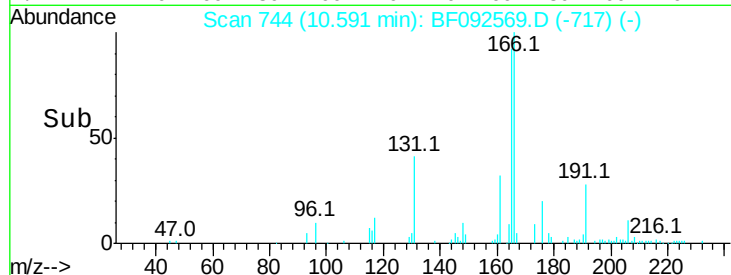
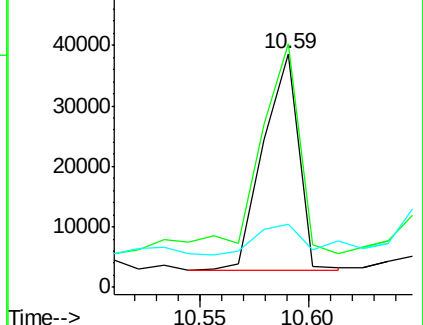
167 26.8 10.8 16.2#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 2.21 ng

RT: 10.46 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF092569.D

Acq: 27 Jan 2017 11:32

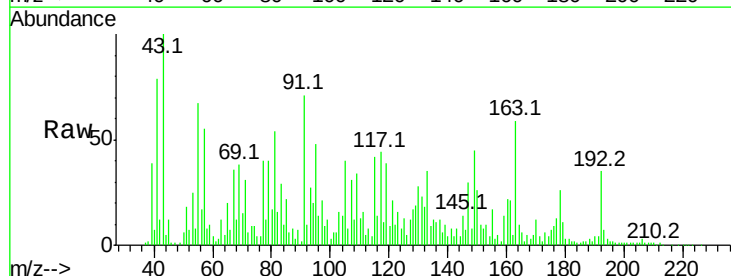
Tgt Ion:149 Resp: 45631

Ion Ratio Lower Upper

149 100

177 28.4 16.6 25.0#

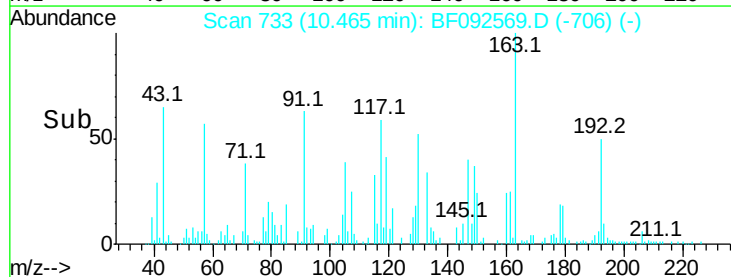
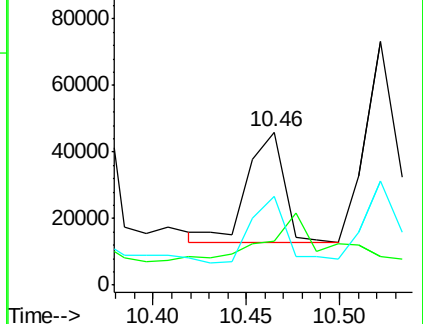
150 57.7 10.4 15.6#

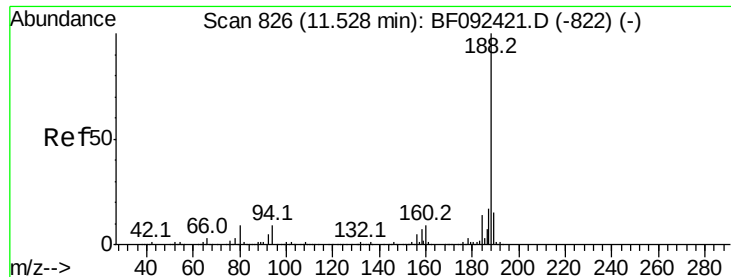


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

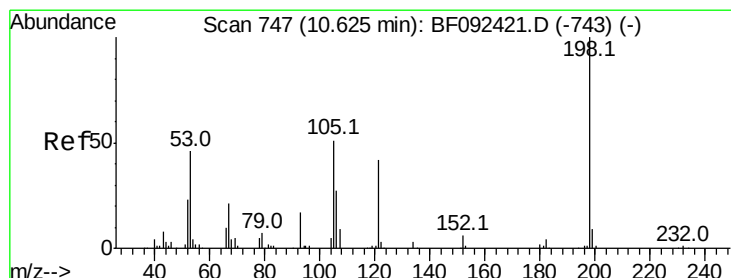
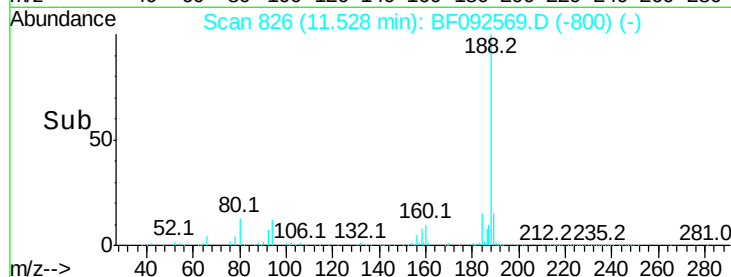
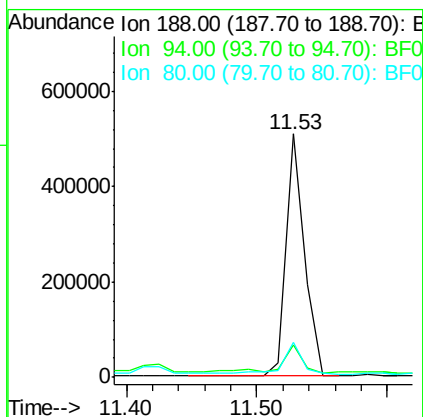
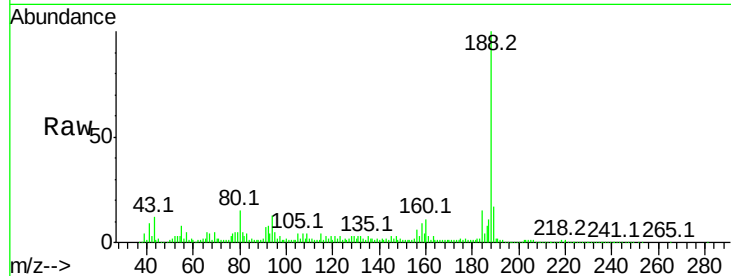




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.53 min Scan# 826
Delta R.T. -0.00 min
Lab File: BF092569.D
Acq: 27 Jan 2017 11:32

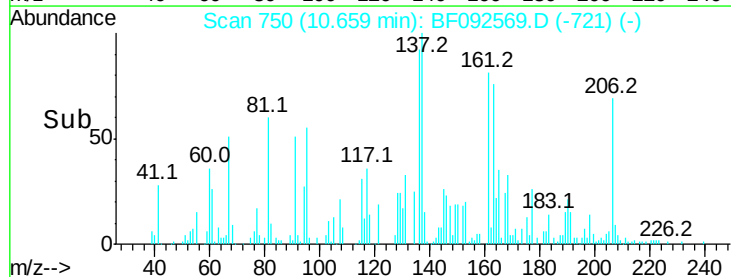
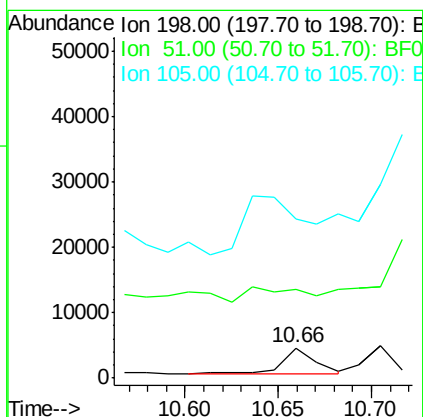
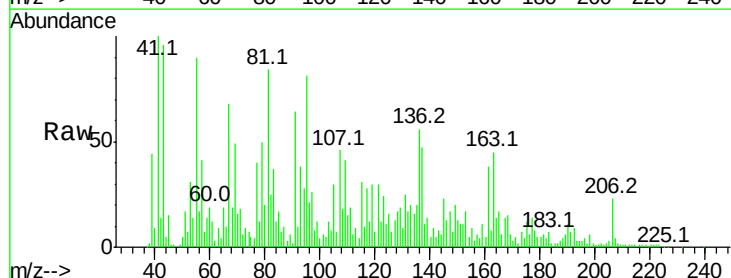
Instrument :
BNA_F
ClientSampleId :

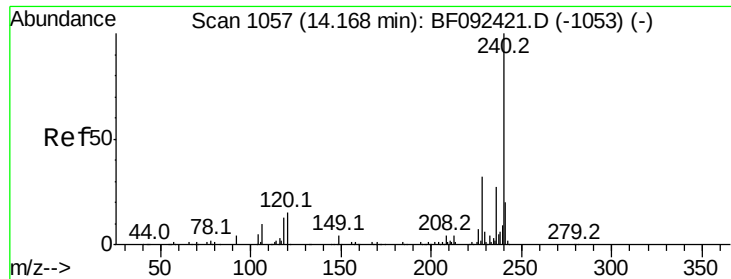
Tot Ion:188 Resp: 502043
Ion Ratio Lower Upper
188 100
94 13.4 10.0 15.0
80 14.5 11.2 16.8



#64
4,6-Dinitro-2-methylphenol
Concen: 6.61 ng
RT: 10.66 min Scan# 750
Delta R.T. 0.04 min
Lab File: BF092569.D
Acq: 27 Jan 2017 11:32

Tgt Ion:198 Resp: 5018
Ion Ratio Lower Upper
198 100
51 292.9 6.7 46.7#
105 522.9 16.6 56.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.17 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BF092569.D

Acq: 27 Jan 2017 11:32

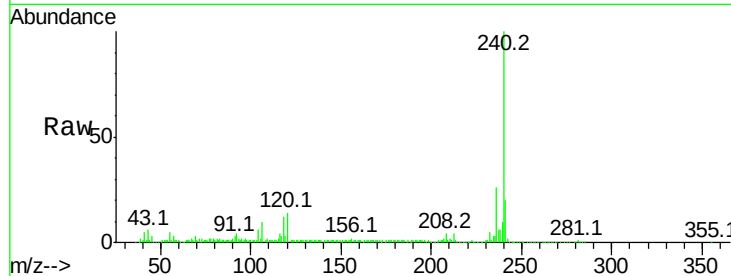
Instrument :

BNA_F

ClientSampleId :

Tot Ion:240 Resp: 350909

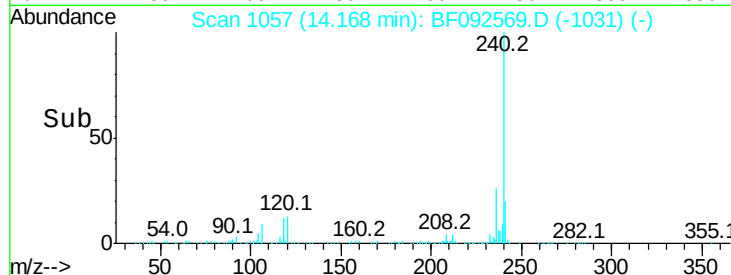
Ion	Ratio	Lower	Upper
240	100		
120	13.9	12.9	19.3
236	26.4	20.9	31.3



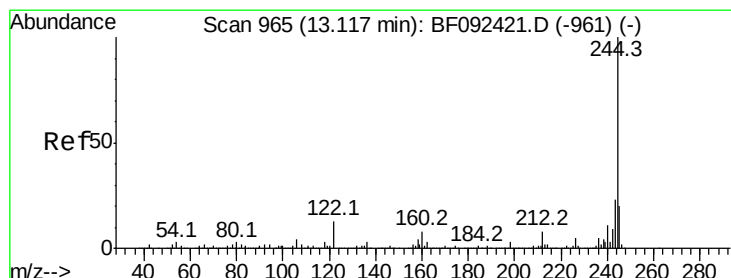
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 97.17 ng

RT: 13.12 min Scan# 965

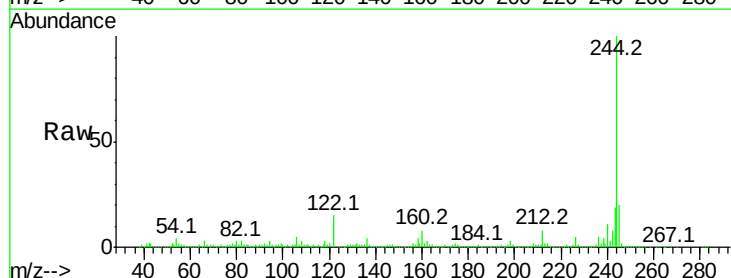
Delta R.T. 0.00 min

Lab File: BF092569.D

Acq: 27 Jan 2017 11:32

Tgt Ion:244 Resp: 1280547

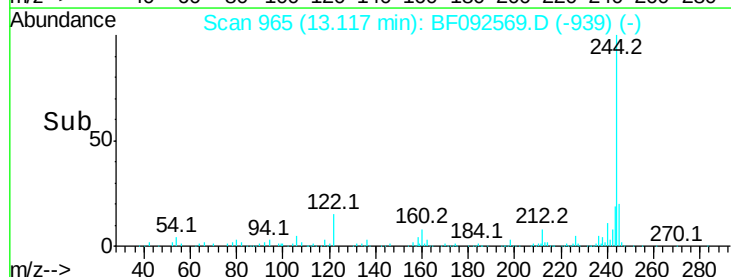
Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	15.1	11.4	17.2



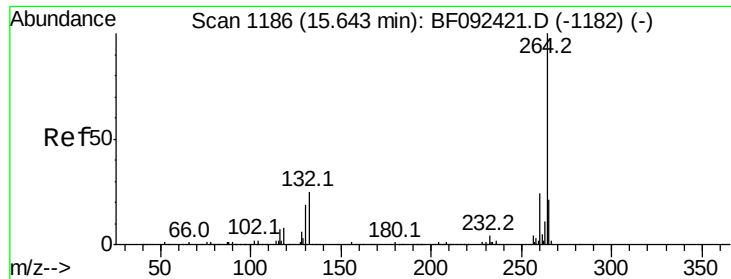
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.65 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BF092569.D
Acq: 27 Jan 2017 11:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.1	17.4	26.0

