

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
 Data File : BF092567.D
 Acq On : 27 Jan 2017 10:38
 Operator : SJ/MA
 Sample : I1353-03
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 27 11:57:18 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	161486	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	611135	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	223687	20.00	ng	0.01
63) Phenanthrene-d10	11.55	188	303528	20.00	ng	0.02
75) Chrysene-d12	14.19	240	326094	20.00	ng	0.02
86) Perylene-d12	15.68	264	339418	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	376864	36.31	ng	0.01
7) Phenol-d6	6.60	99	343094	25.95	ng	0.01
23) Nitrobenzene-d5	7.54	82	677791	60.58	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	135515	88.90	ng	0.03
44) 2-Fluorobiphenyl	9.36	172	804154	66.48	ng	0.00
78) Terphenyl-d14	13.13	244	591780	48.32	ng	0.01

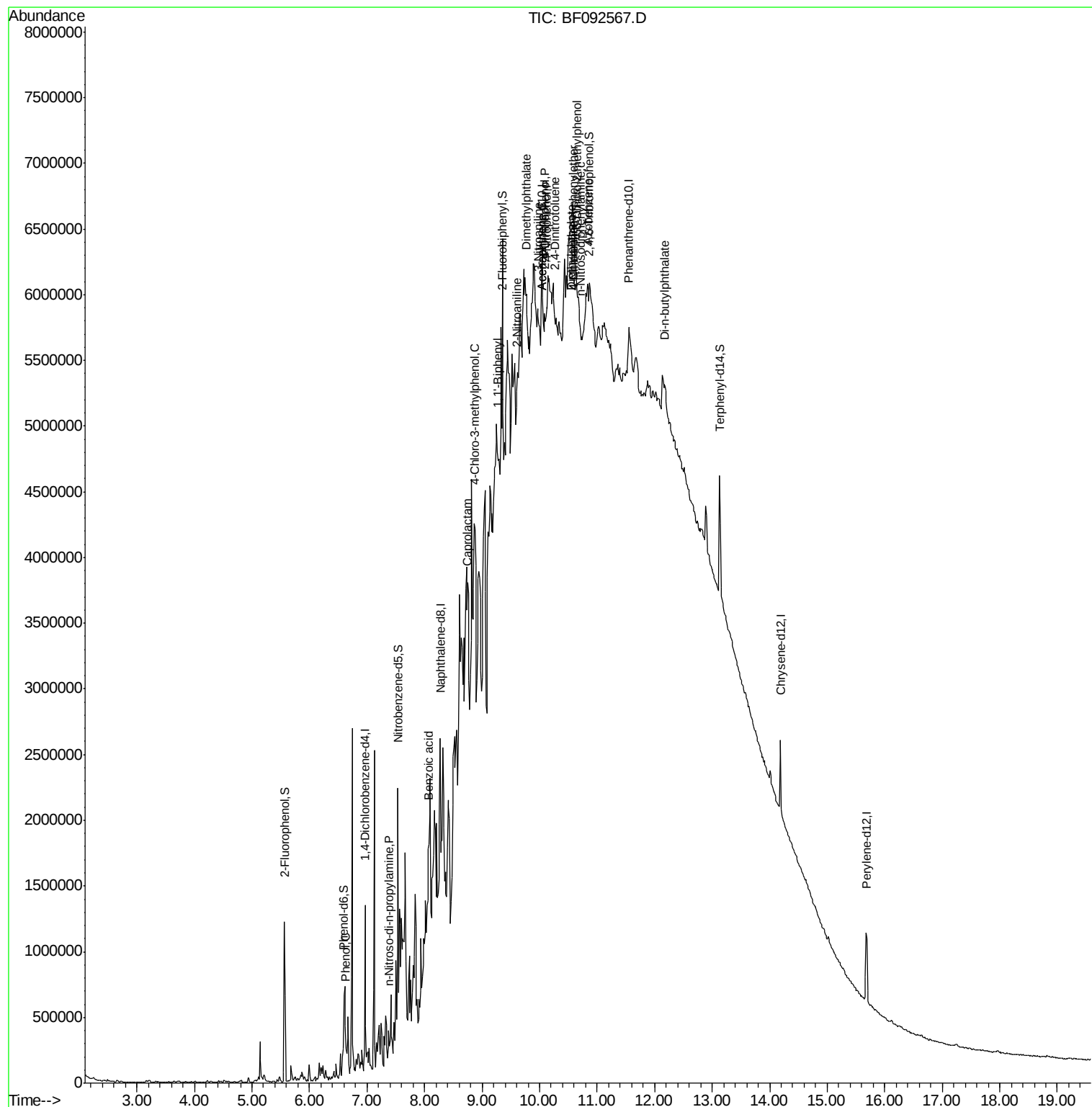
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.62	94	106035	6.64	ng	# 70
19) n-Nitroso-di-n-propylamine	7.38	70	31622	3.51	ng	# 34
32) Benzoic acid	8.08	122	5624	5.36	ng	# 1
35) Caprolactam	8.74	113	27864	9.42	ng	# 1
36) 4-Chloro-3-methylphenol	8.88	107	75344	7.89	ng	# 32
45) 1,1'-Biphenyl	9.26	154	83600	5.17	ng	# 73
47) 2-Nitroaniline	9.61	65	10067	2.26	ng	# 44
49) Dimethylphthalate	9.77	163	58209	4.09	ng	# 67
51) Acenaphthene	10.04	154	45800	3.81	ng	# 50
52) 3-Nitroaniline	9.97	138	110112	30.24	ng	# 5
53) 2,4-Dinitrophenol	10.09	184	294	3.13	ng	# 1
55) 4-Nitrophenol	10.12	139	34288	11.86	ng	# 1
56) 2,4-Dinitrotoluene	10.26	165	9459	2.45	ng	# 58
59) Diethylphthalate	10.56	149	1120005	82.12	ng	# 75
60) 4-Chlorophenyl-phenylether	10.58	204	28716	4.89	ng	# 92
61) 4-Nitroaniline	10.59	138	52589	14.44	ng	# 1
62) Azobenzene	10.84	77	52192	3.36	ng	# 61
64) 4,6-Dinitro-2-methylphenol	10.65	198	1851	5.97	ng	# 1
65) n-Nitrosodiphenylamine	10.72	169	22127	2.33	ng	# 1
73) Di-n-butylphthalate	12.17	149	286773	16.08	ng	# 66

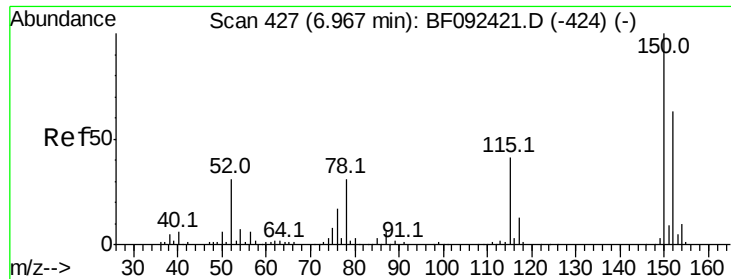
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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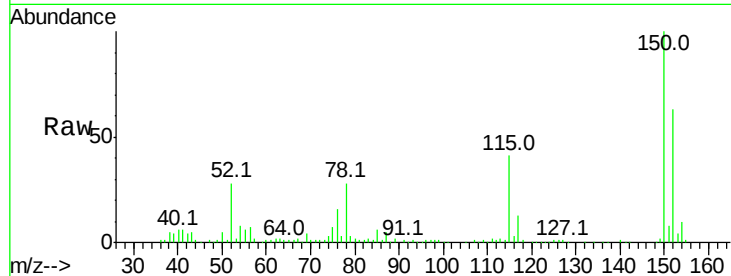


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF092567.D
Acq: 27 Jan 2017 10:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.9	187.3
115	65.0	46.0	69.0

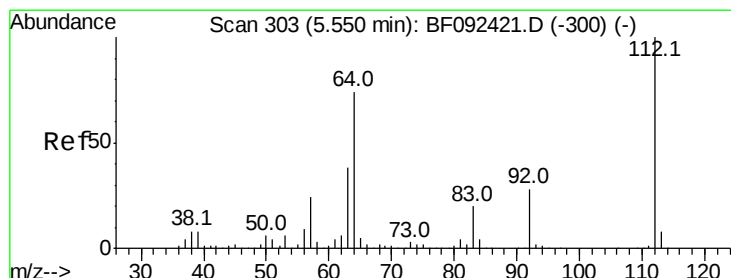
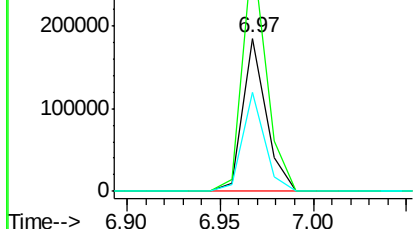
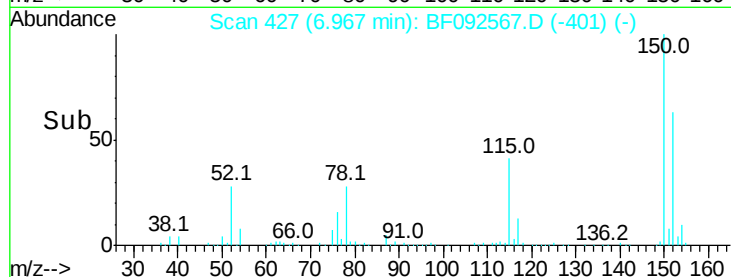


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

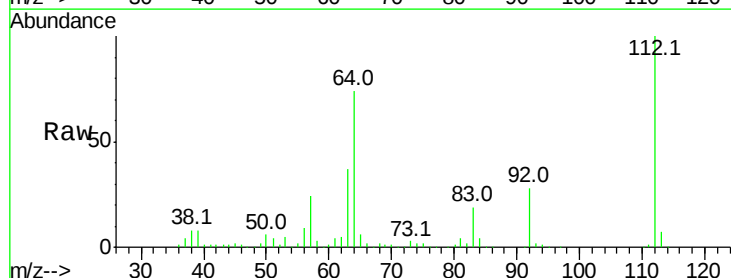
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 36.31 ng
RT: 5.56 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF092567.D
Acq: 27 Jan 2017 10:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.0	46.1	69.1#
63	37.1	23.8	35.6#

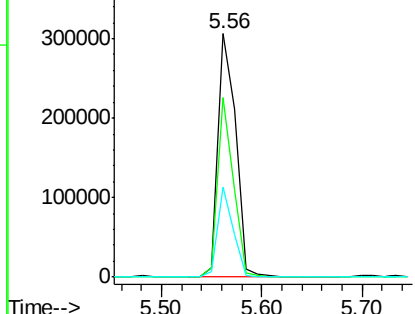
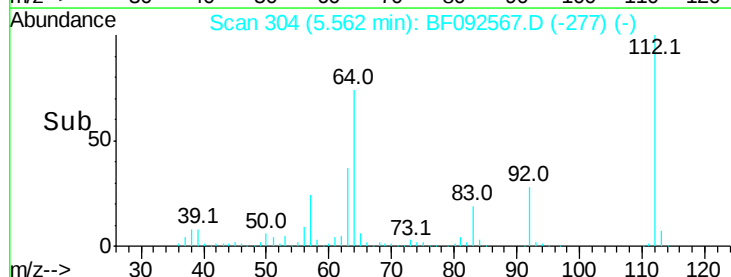


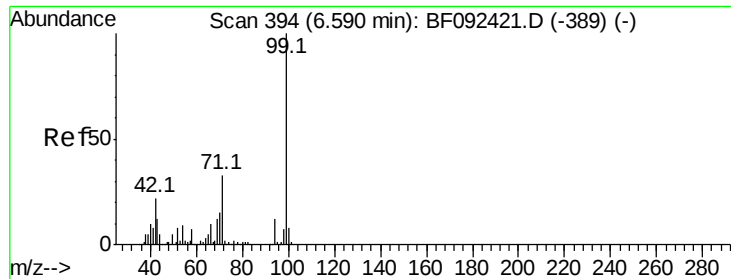
Abundance

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: 25.95 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.01 min

Lab File: BF092567.D

Acq: 27 Jan 2017 10:38

Instrument :

BNA_F

ClientSampled :

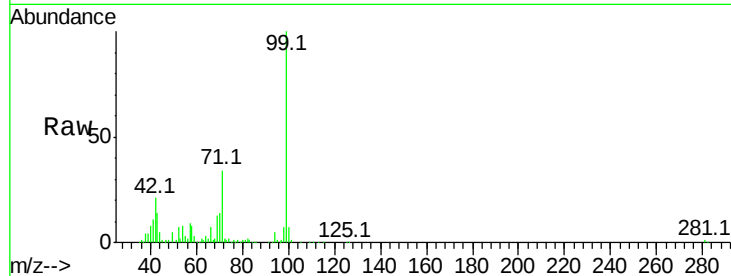
Tot Ion: 99 Resp: 343094

Ion Ratio Lower Upper

99 100

42 21.4 15.6 23.4

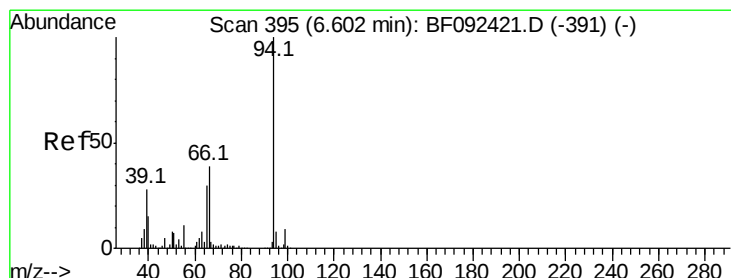
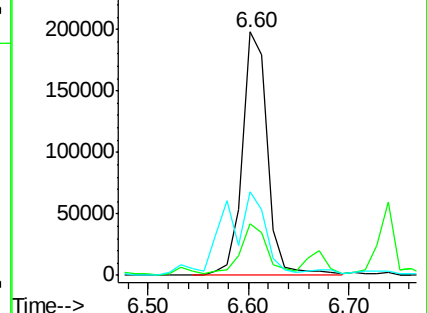
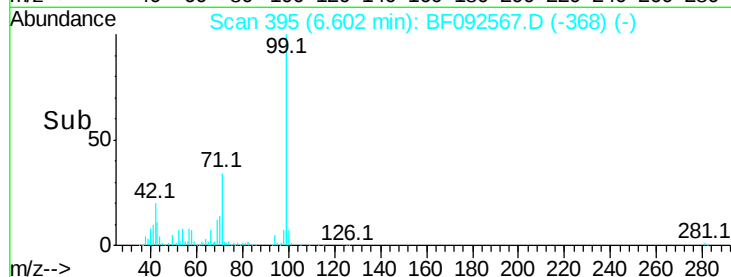
71 34.1 27.5 41.3



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



#10

Phenol

Concen: 6.64 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.02 min

Lab File: BF092567.D

Acq: 27 Jan 2017 10:38

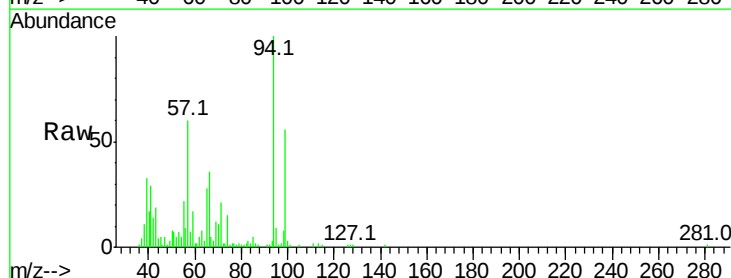
Tgt Ion: 94 Resp: 106035

Ion Ratio Lower Upper

94 100

65 27.7 21.4 61.4

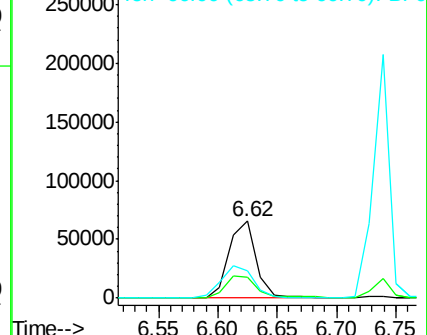
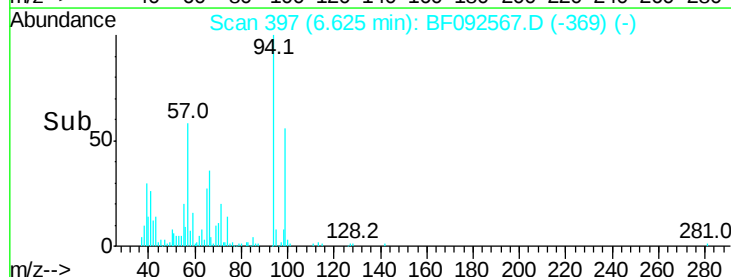
66 35.9 44.0 84.0#

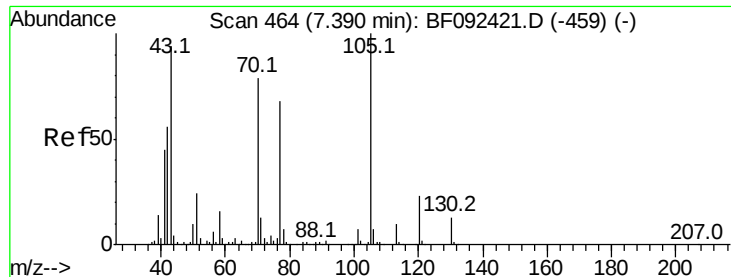


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

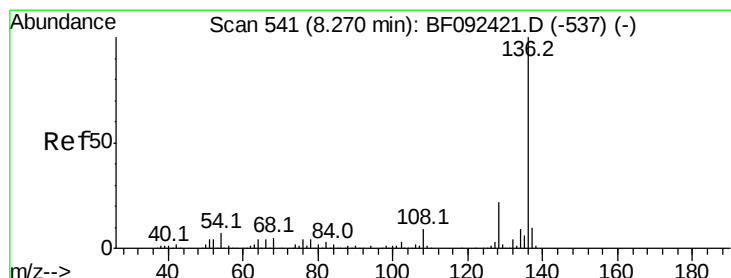
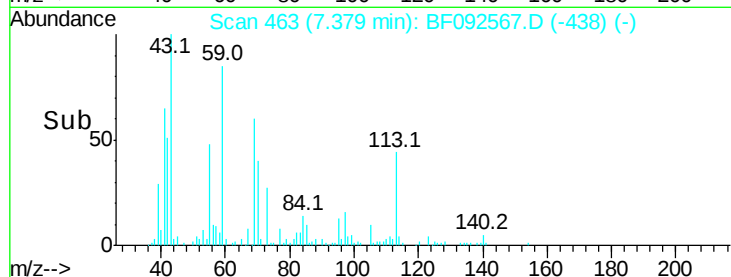
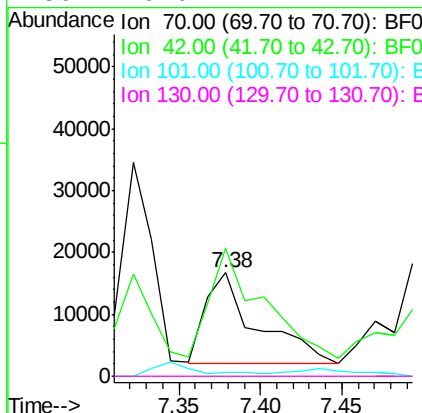
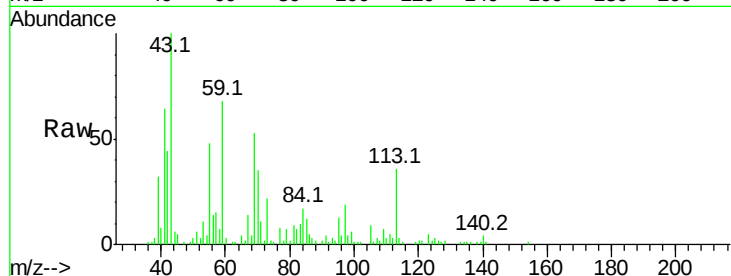




#19
n-Nitroso-di-n-propylamine
Concen: 3.51 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.01 min
Lab File: BF092567.D
Acq: 27 Jan 2017 10:38

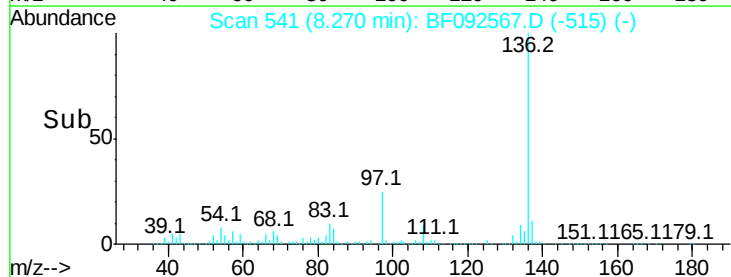
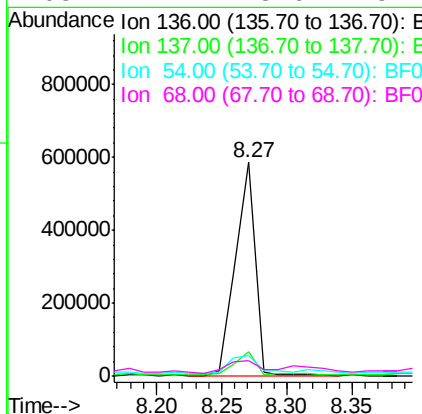
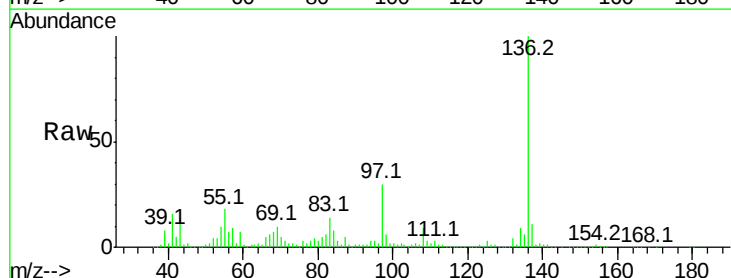
Instrument :
BNA_F
ClientSampled :

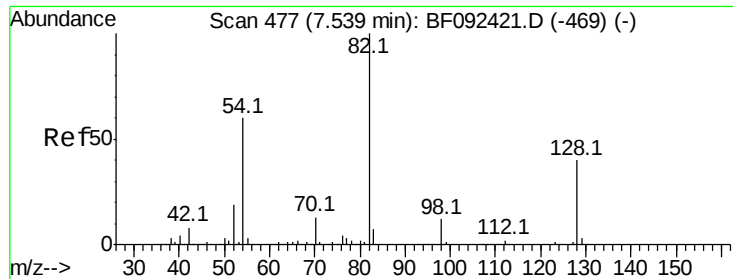
Tot Ion: 70 Resp: 31622
Ion Ratio Lower Upper
70 100
42 123.5 49.4 74.0#
101 3.5 7.4 11.2#
130 0.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.27 min Scan# 541
Delta R.T. 0.00 min
Lab File: BF092567.D
Acq: 27 Jan 2017 10:38

Tgt Ion:136 Resp: 611135
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 9.8 4.5 6.7#
68 7.2 3.6 5.4#

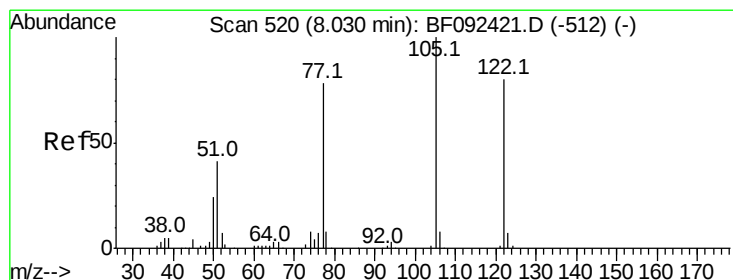
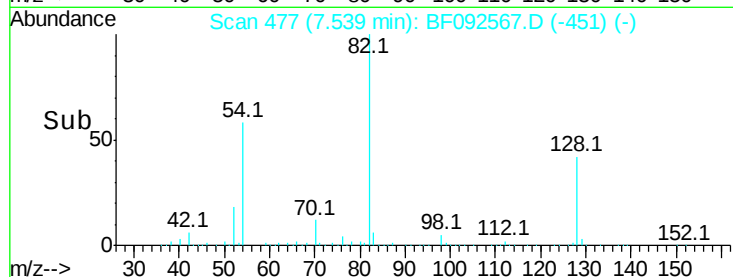
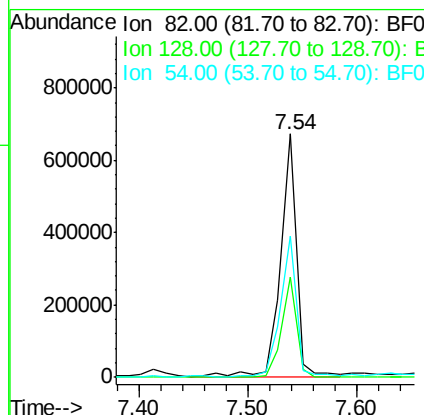
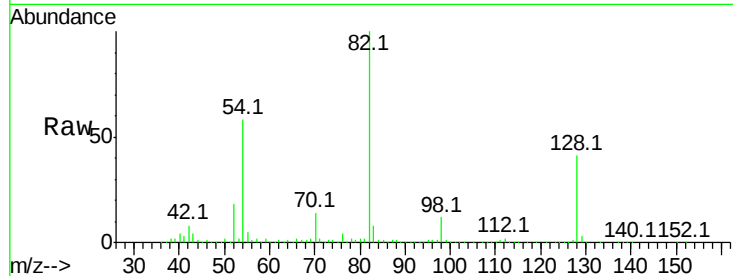




#23
 Nitrobenzene-d5
 Concen: 60.58 ng
 RT: 7.54 min Scan# 477
 Delta R.T. 0.00 min
 Lab File: BF092567.D
 Acq: 27 Jan 2017 10:38

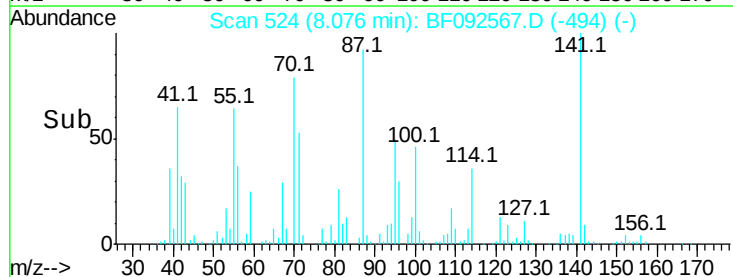
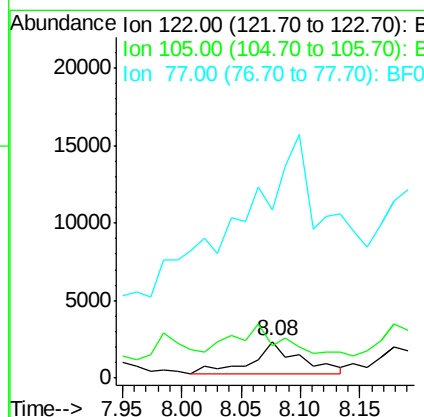
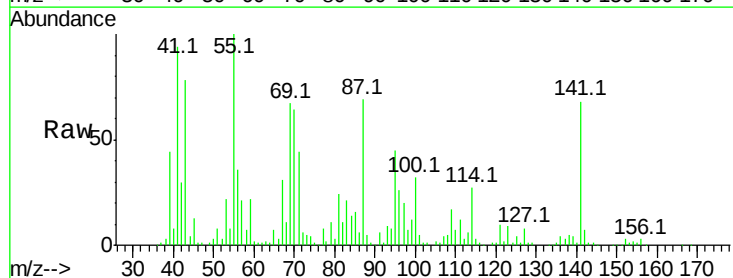
Instrument :
 BNA_F
 ClientSampleId :

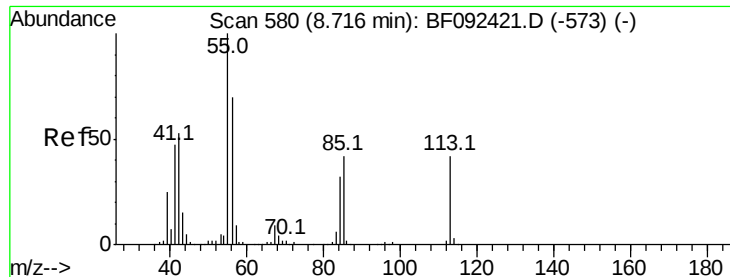
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.6	52.0
54	58.0	39.5	59.3



#32
 Benzoic acid
 Concen: 5.36 ng
 RT: 8.08 min Scan# 524
 Delta R.T. 0.05 min
 Lab File: BF092567.D
 Acq: 27 Jan 2017 10:38

Tgt Ion	Ratio	Lower	Upper
122	100		
105	88.3	107.2	147.2#
77	462.4	74.5	114.5#





#35

Caprolactam

Concen: 9.42 ng

RT: 8.74 min Scan# 582

Delta R.T. 0.02 min

Lab File: BF092567.D

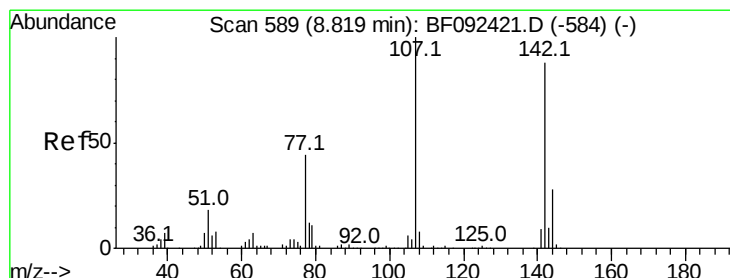
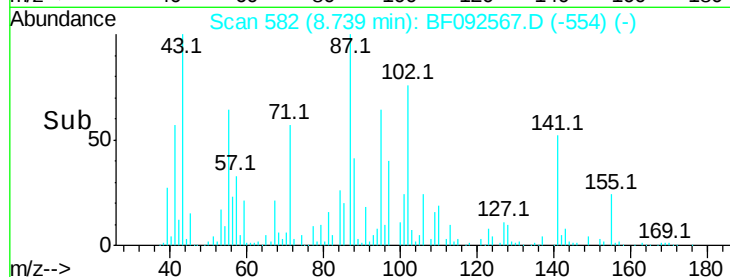
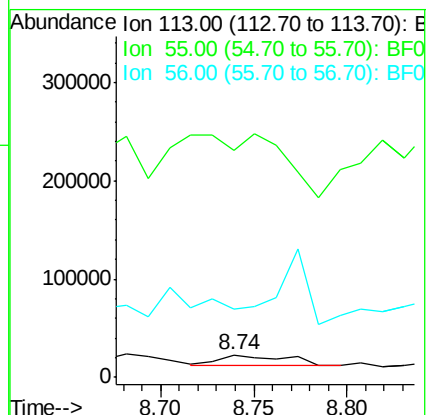
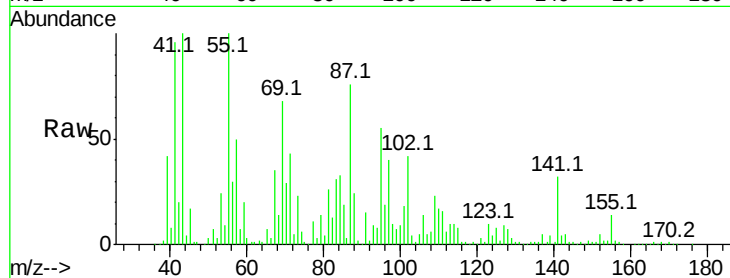
Acq: 27 Jan 2017 10:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:113 Resp: 27864

Ion Ratio Lower Upper

113	100		
55	1013.3	119.2	159.2#
56	302.1	83.8	123.8#



#36

4-Chloro-3-methylphenol

Concen: 7.89 ng

RT: 8.88 min Scan# 594

Delta R.T. 0.06 min

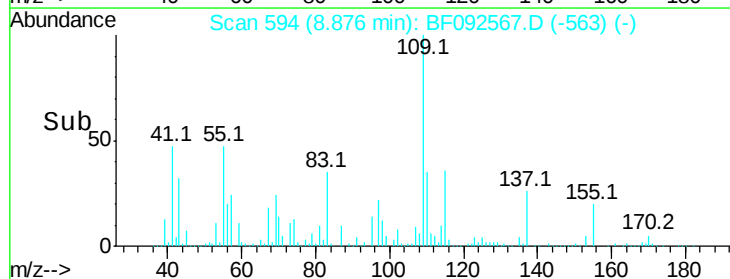
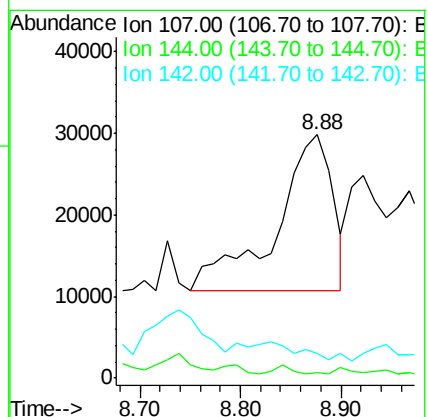
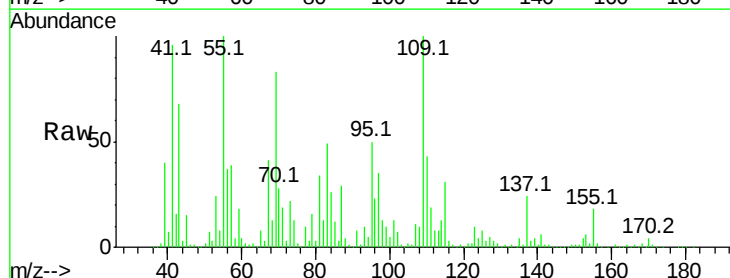
Lab File: BF092567.D

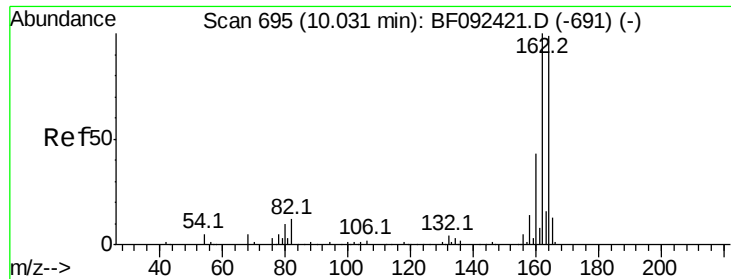
Acq: 27 Jan 2017 10:38

Tgt Ion:107 Resp: 75344

Ion Ratio Lower Upper

107	100		
144	2.3	19.3	28.9#
142	10.0	59.0	88.6#

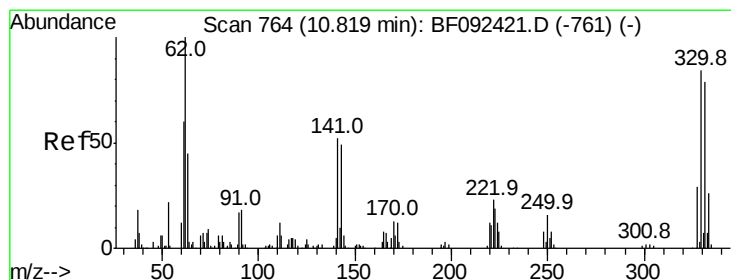
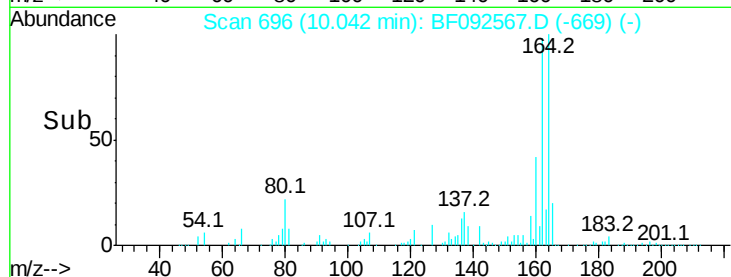
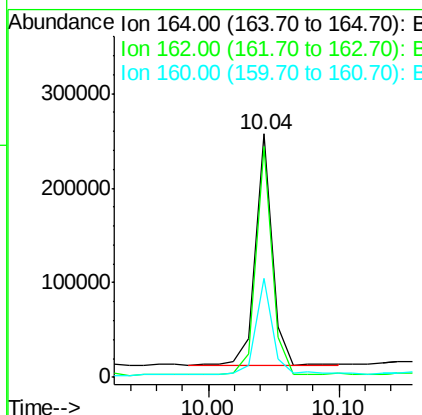
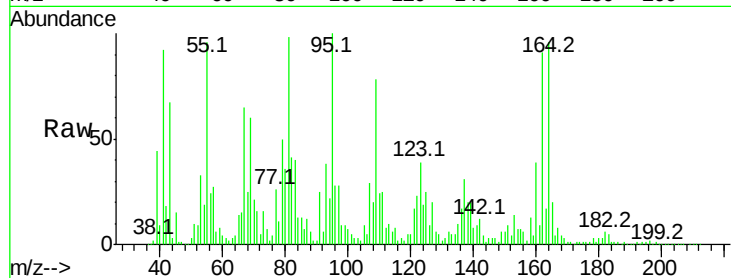




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.04 min Scan# 696
Delta R.T. 0.01 min
Lab File: BF092567.D
Acq: 27 Jan 2017 10:38

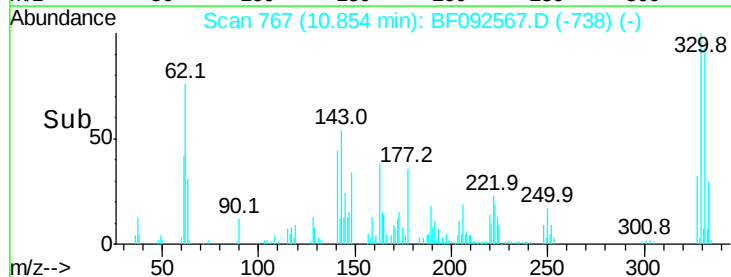
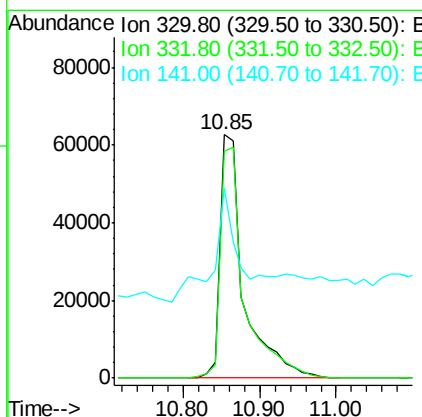
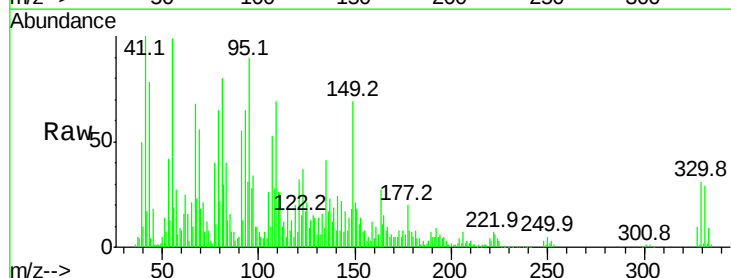
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BNA_F
ClientSampleId :

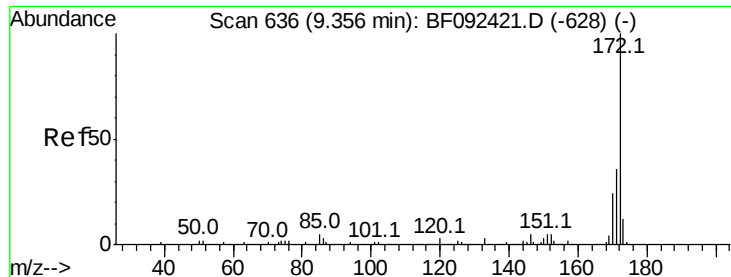
Tot Ion:164 Resp: 223687
Ion Ratio Lower Upper
164 100
162 94.9 80.2 120.2
160 40.5 36.9 55.3



#41
2,4,6-Tribromophenol
Concen: 88.90 ng
RT: 10.85 min Scan# 767
Delta R.T. 0.03 min
Lab File: BF092567.D
Acq: 27 Jan 2017 10:38

Tgt Ion:330 Resp: 135515
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.2
141 52.2 34.1 51.1#

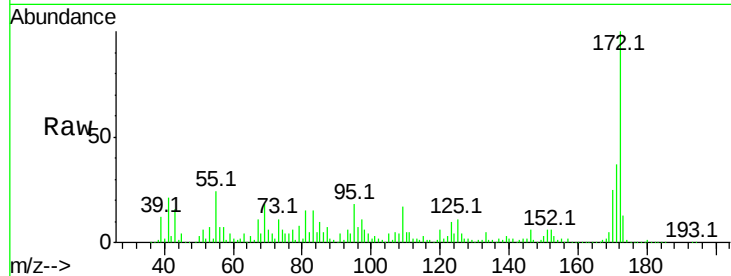




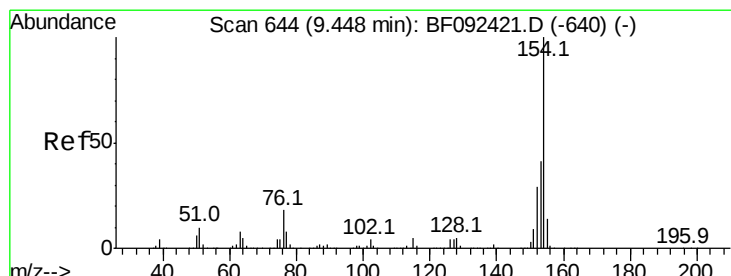
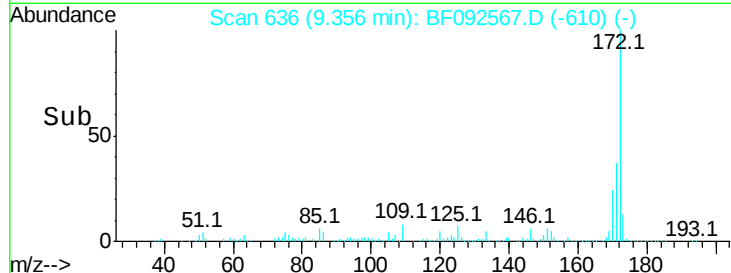
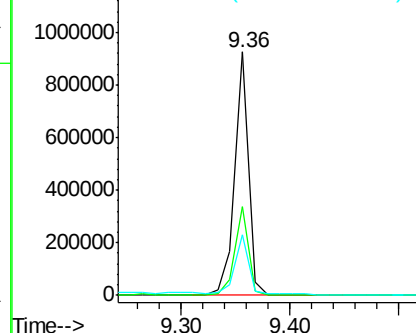
#44
2-Fluorobiphenyl
Concen: 66.48 ng
RT: 9.36 min Scan# 636
Delta R.T. 0.00 min
Lab File: BF092567.D
Acq: 27 Jan 2017 10:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 804154
Ion Ratio Lower Upper
172 100
171 36.7 29.4 44.0
170 24.7 20.2 30.4

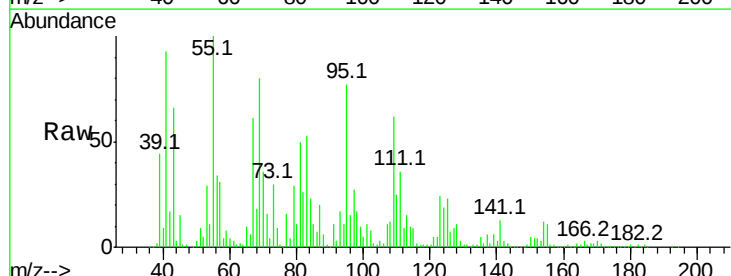


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

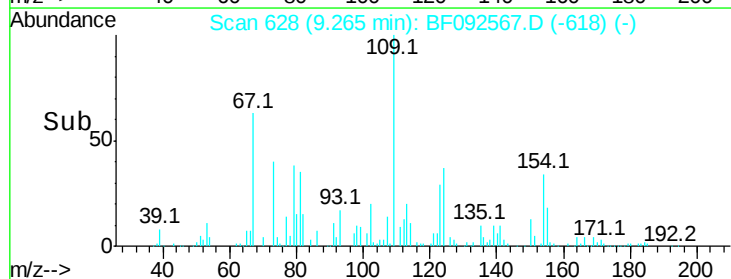
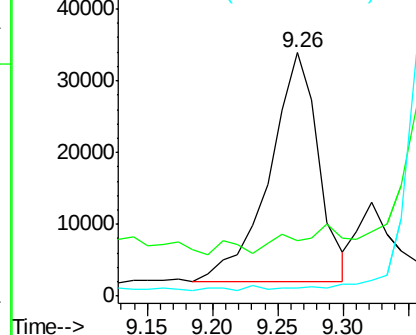


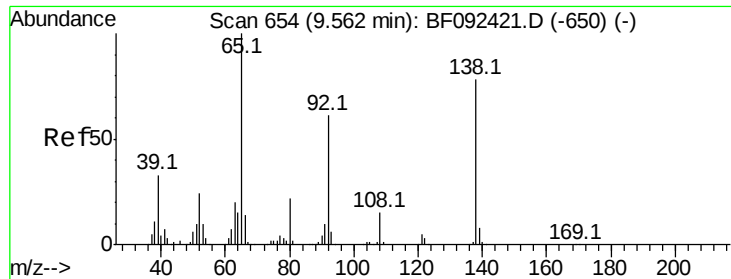
#45
1,1'-Biphenyl
Concen: 5.17 ng
RT: 9.26 min Scan# 628
Delta R.T. -0.18 min
Lab File: BF092567.D
Acq: 27 Jan 2017 10:38

Tgt Ion:154 Resp: 83600
Ion Ratio Lower Upper
154 100
153 22.6 20.9 60.9
76 3.6 0.0 30.5



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0





#47

2-Nitroaniline

Concen: 2.26 ng

RT: 9.61 min Scan# 658

Delta R.T. 0.05 min

Lab File: BF092567.D

Acq: 27 Jan 2017 10:38

Instrument :

BNA_F

ClientSampled :

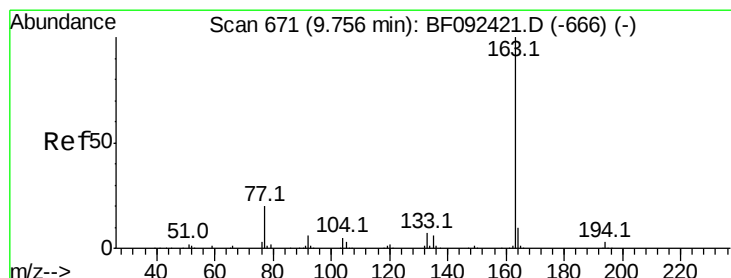
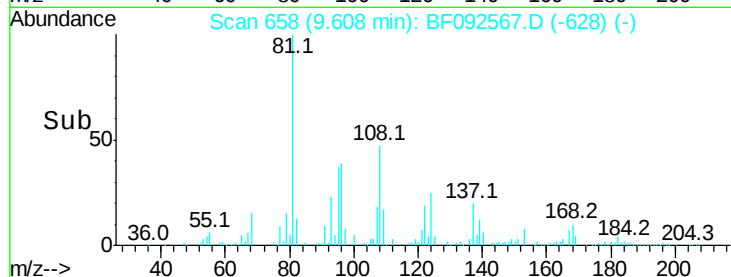
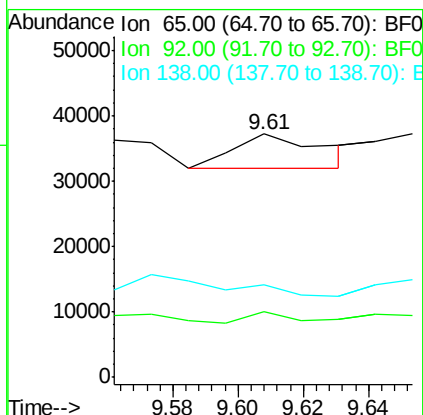
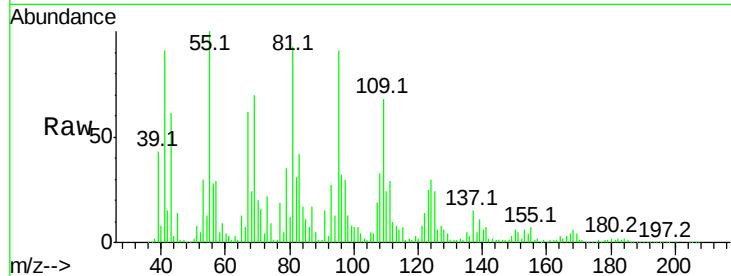
Tot Ion: 65 Resp: 10067

Ion Ratio Lower Upper

65 100

92 26.8 53.9 80.9#

138 38.0 76.8 115.2#



#49

Dimethylphthalate

Concen: 4.09 ng

RT: 9.77 min Scan# 672

Delta R.T. 0.01 min

Lab File: BF092567.D

Acq: 27 Jan 2017 10:38

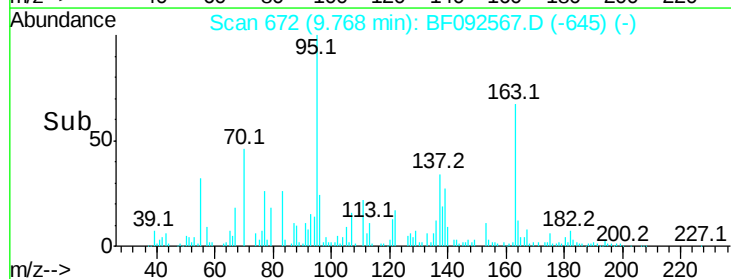
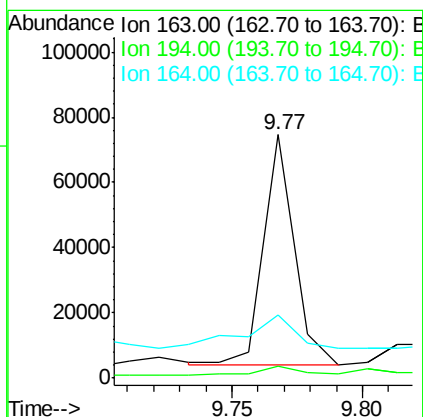
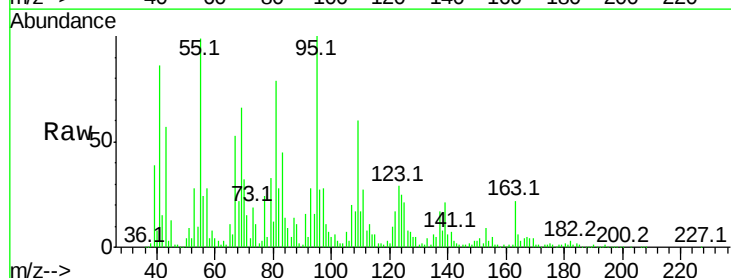
Tgt Ion:163 Resp: 58209

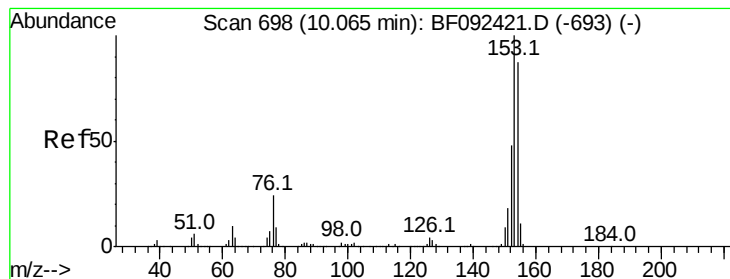
Ion Ratio Lower Upper

163 100

194 4.7 3.0 4.4#

164 26.1 8.0 12.0#





#51

Acenaphthene

Concen: 3.81 ng

RT: 10.04 min Scan# 696

Delta R.T. -0.02 min

Lab File: BF092567.D

Acq: 27 Jan 2017 10:38

Instrument :

BNA_F

ClientSampled :

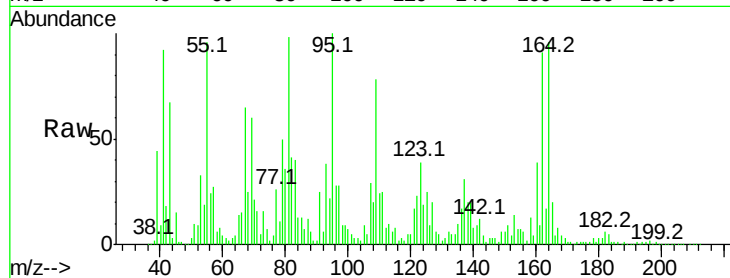
Tot Ion:154 Resp: 45800

Ion Ratio Lower Upper

154 100

153 187.8 88.6 133.0#

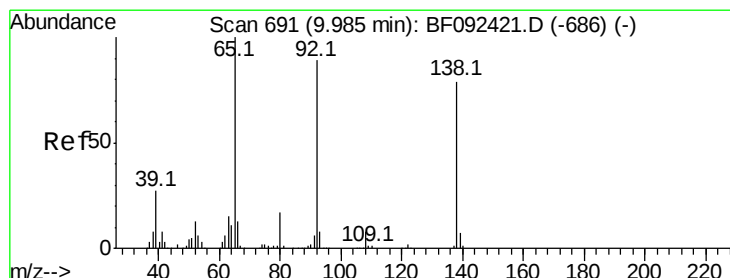
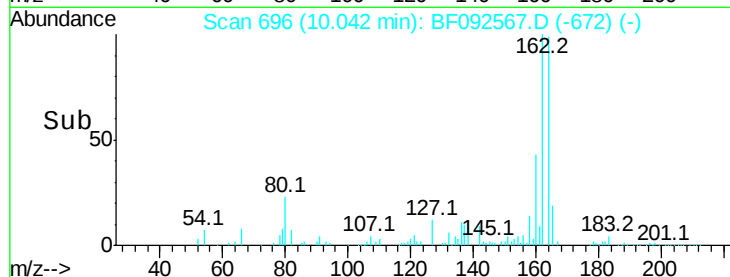
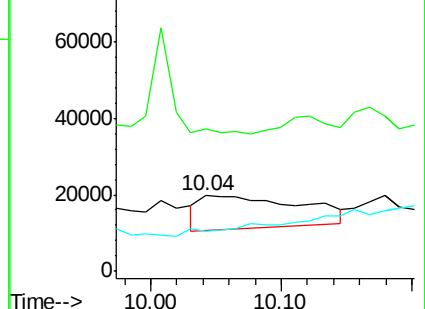
152 53.2 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 30.24 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF092567.D

Acq: 27 Jan 2017 10:38

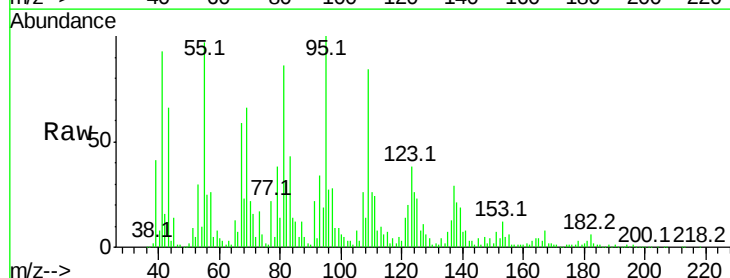
Tgt Ion:138 Resp: 110112

Ion Ratio Lower Upper

138 100

108 68.4 8.5 12.7#

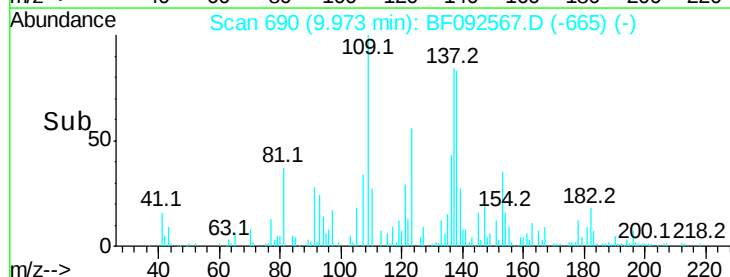
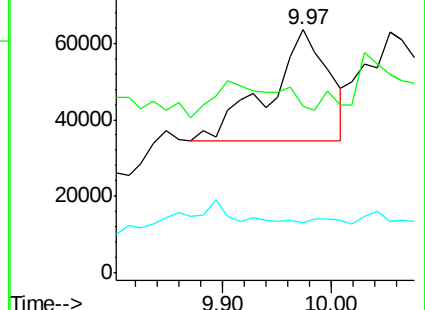
92 20.8 97.8 146.8#

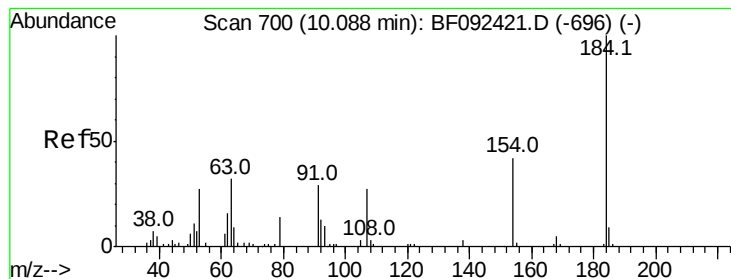


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 3.13 ng

RT: 10.09 min Scan# 700

Delta R.T. 0.00 min

Lab File: BF092567.D

Acq: 27 Jan 2017 10:38

Instrument :

BNA_F

ClientSampled :

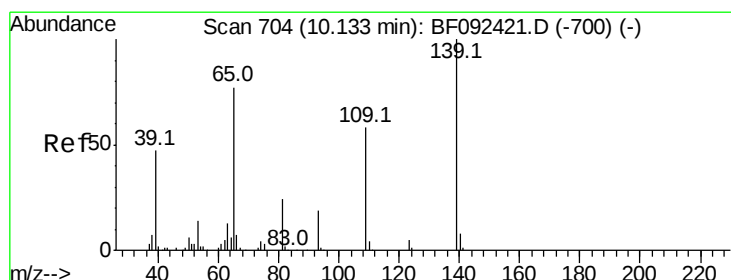
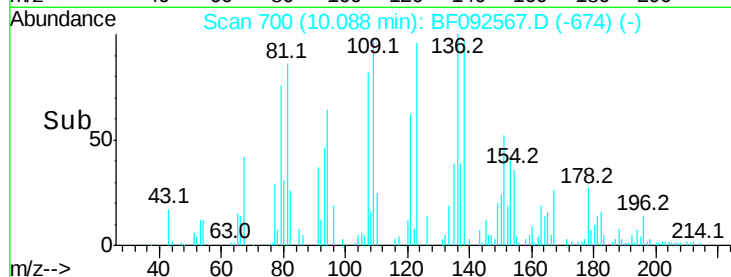
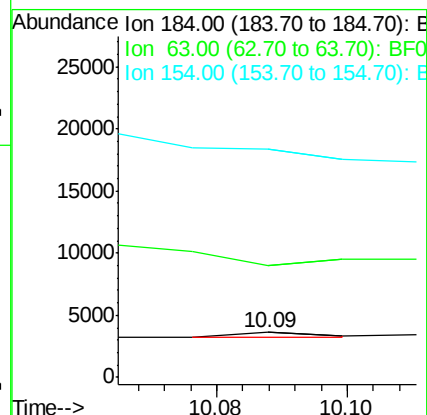
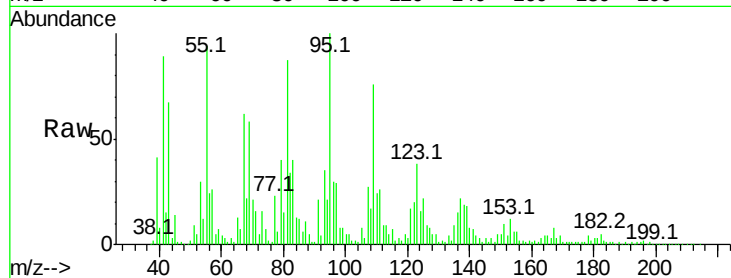
Tot Ion:184 Resp: 294

Ion Ratio Lower Upper

184 100

63 248.6 28.4 42.6#

154 507.6 44.3 66.5#



#55

4-Nitrophenol

Concen: 11.86 ng

RT: 10.12 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF092567.D

Acq: 27 Jan 2017 10:38

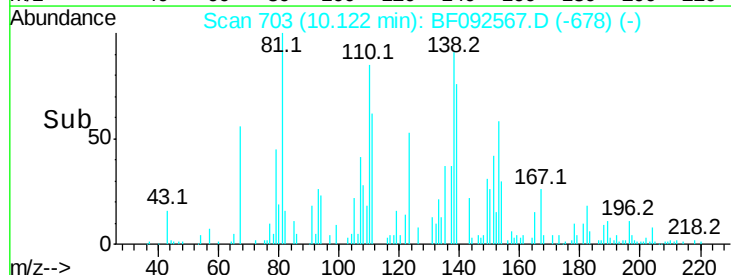
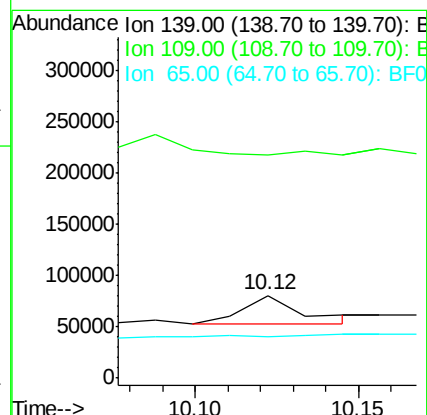
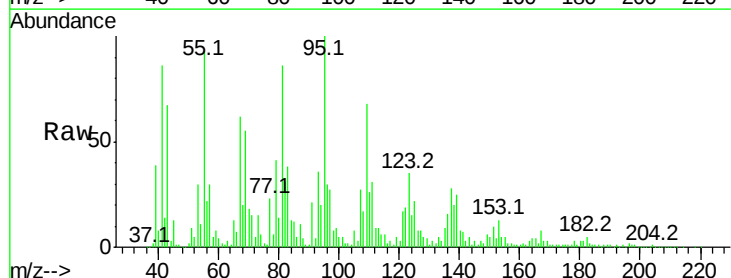
Tgt Ion:139 Resp: 34288

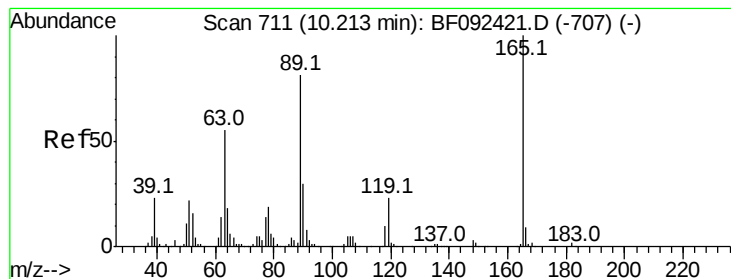
Ion Ratio Lower Upper

139 100

109 270.2 52.2 92.2#

65 50.1 85.8 125.8#





#56

2,4-Dinitrotoluene

Concen: 2.45 ng

RT: 10.26 min Scan# 715

Delta R.T. 0.05 min

Lab File: BF092567.D

Acq: 27 Jan 2017 10:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 9459

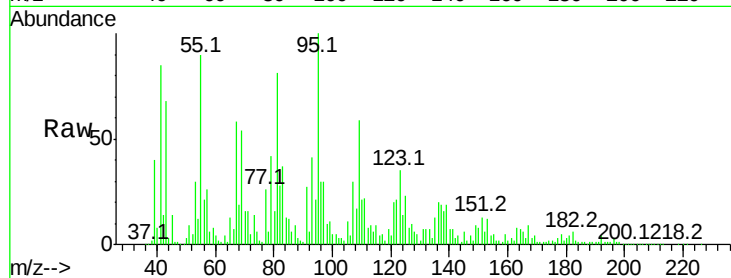
Ion Ratio Lower Upper

165 100

63 61.9 40.2 60.4#

89 33.6 62.5 93.7#

182 103.6 1.8 2.8#

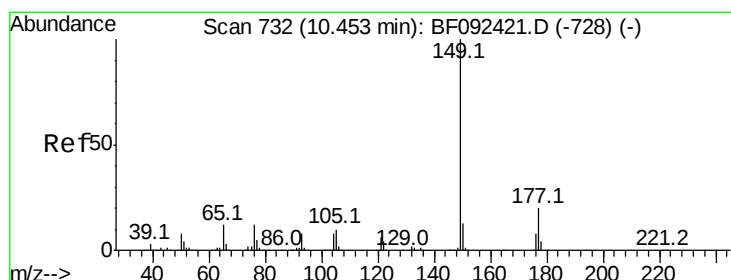
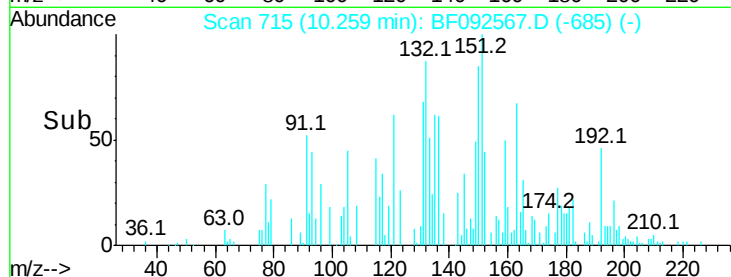
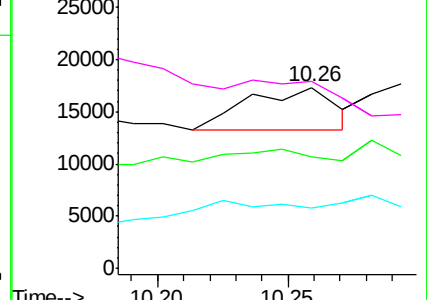


Abundance Ion 165.00 (164.70 to 165.70): E

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



#59

Diethylphthalate

Concen: 82.12 ng

RT: 10.56 min Scan# 741

Delta R.T. 0.10 min

Lab File: BF092567.D

Acq: 27 Jan 2017 10:38

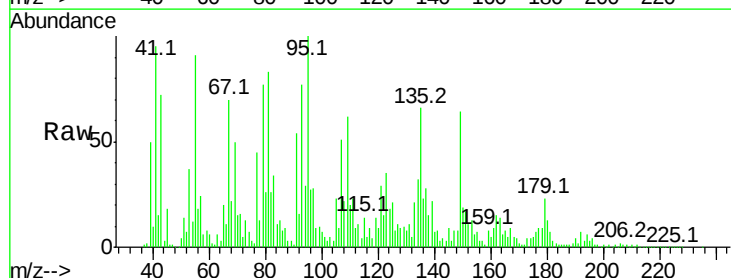
Tgt Ion:149 Resp: 1120005

Ion Ratio Lower Upper

149 100

177 13.8 16.6 25.0#

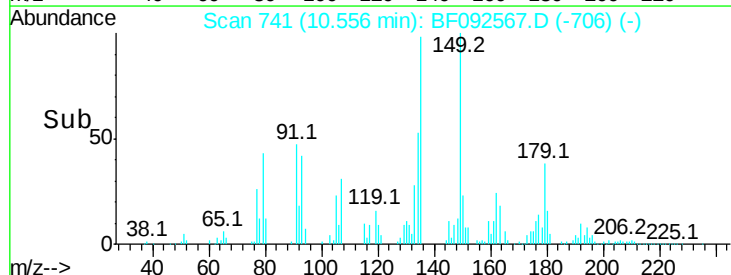
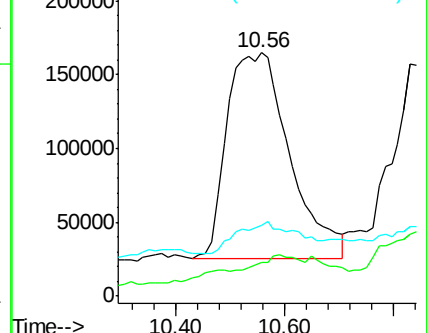
150 29.3 10.4 15.6#

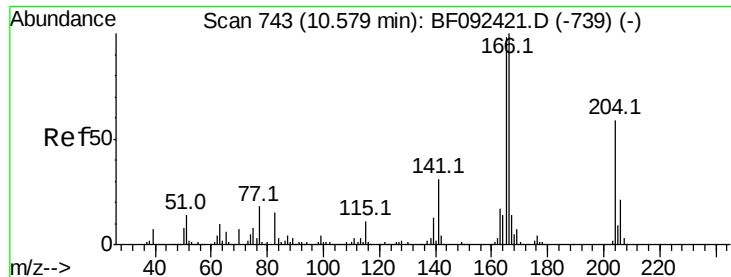


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#60

4-Chlorophenyl-phenylether

Concen: 4.89 ng

RT: 10.58 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF092567.D

Acq: 27 Jan 2017 10:38

Instrument :

BNA_F

ClientSampled :

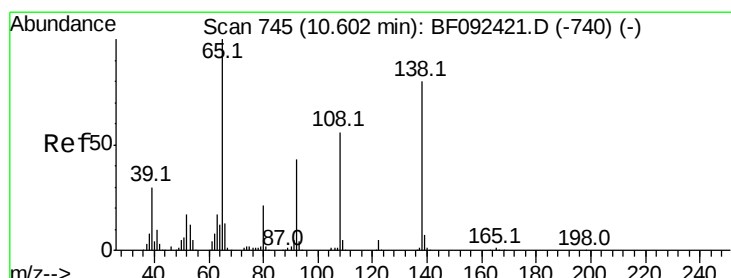
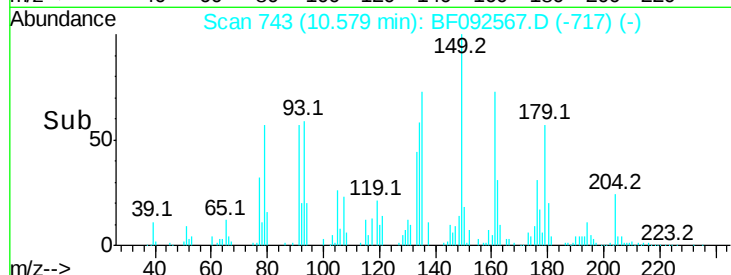
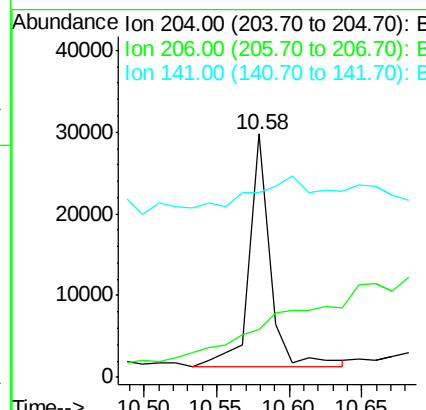
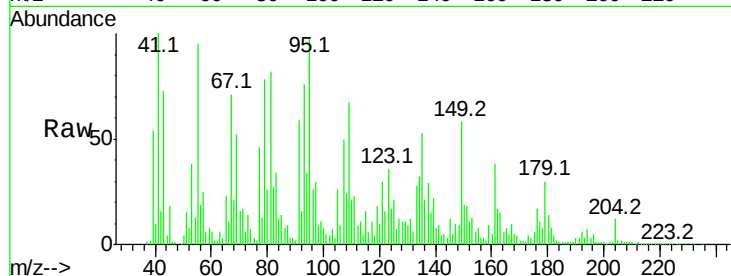
Tot Ion:204 Resp: 28716

Ion Ratio Lower Upper

204 100

206 19.7 25.8 38.6#

141 76.0 59.4 89.0



#61

4-Nitroaniline

Concen: 14.44 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF092567.D

Acq: 27 Jan 2017 10:38

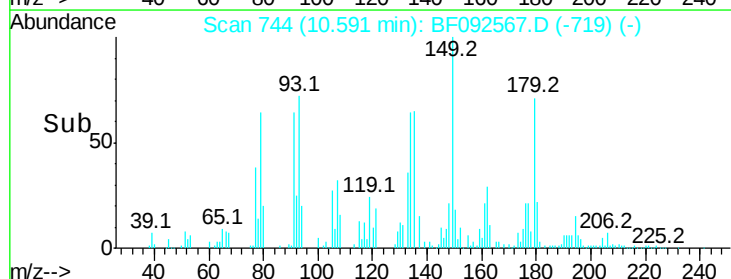
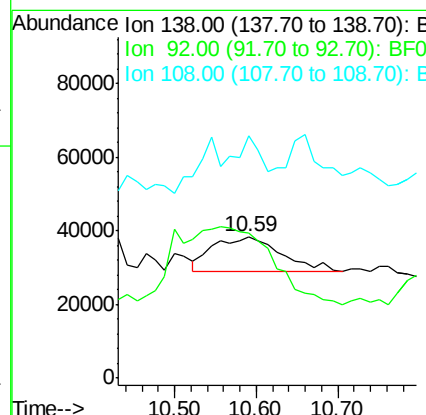
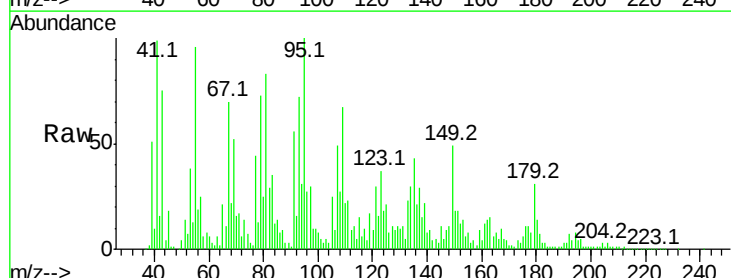
Tgt Ion:138 Resp: 52589

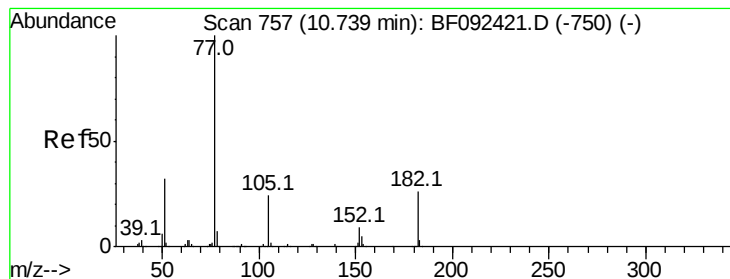
Ion Ratio Lower Upper

138 100

92 102.4 31.7 71.7#

108 171.7 52.6 92.6#





#62

Azobenzene

Concen: 3.36 ng

RT: 10.84 min Scan# 766

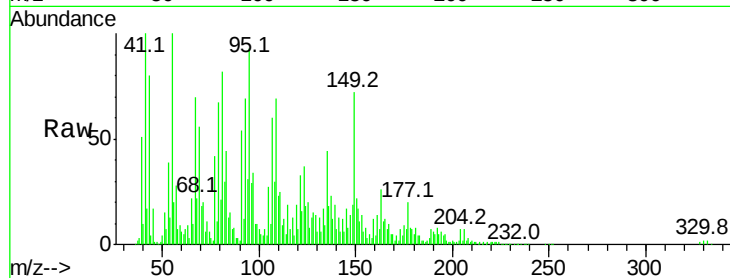
Delta R.T. 0.10 min

Lab File: BF092567.D

Acq: 27 Jan 2017 10:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	77	Resp:	52192
Ion Ratio	Lower	Upper	
77	100		
182	9.9	0.0	39.3
105	64.9	2.3	42.3#
51	35.6	8.9	48.9

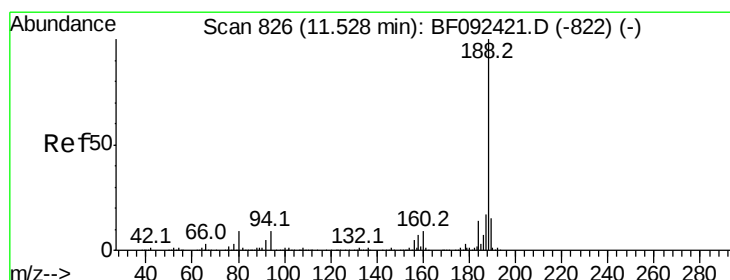
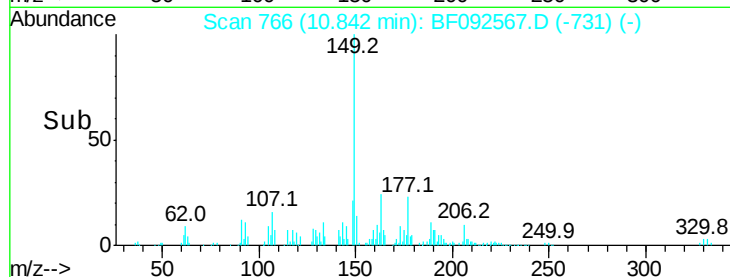
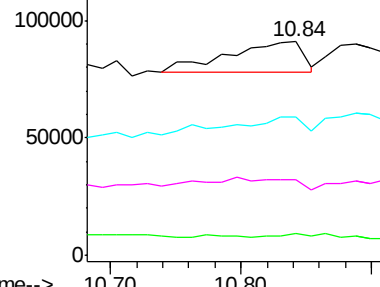


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

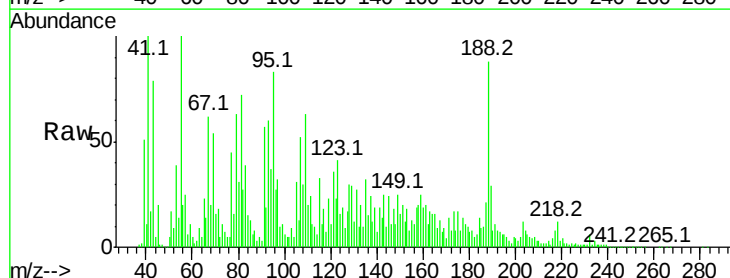
RT: 11.55 min Scan# 828

Delta R.T. 0.02 min

Lab File: BF092567.D

Acq: 27 Jan 2017 10:38

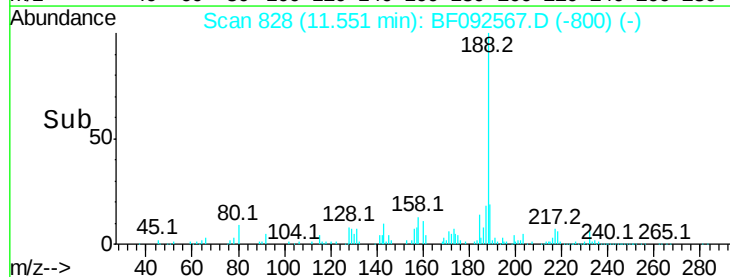
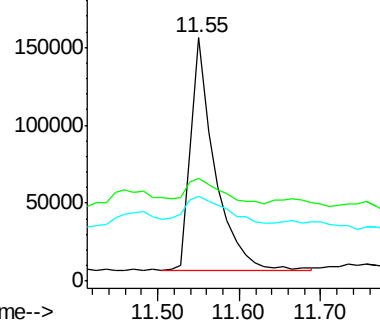
Tgt Ion:	188	Resp:	303528
Ion Ratio	Lower	Upper	
188	100		
94	42.1	10.0	15.0#
80	34.8	11.2	16.8#

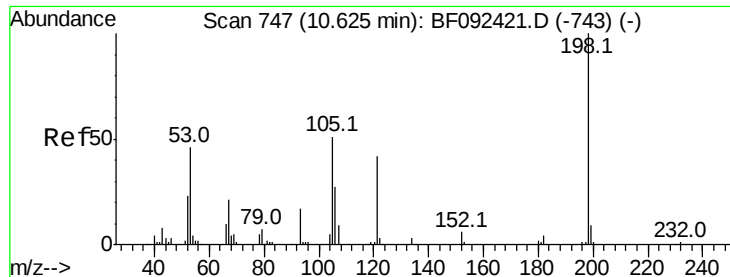


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.97 ng

RT: 10.65 min Scan# 749

Delta R.T. 0.02 min

Lab File: BF092567.D

Acq: 27 Jan 2017 10:38

Instrument :

BNA_F

ClientSampled :

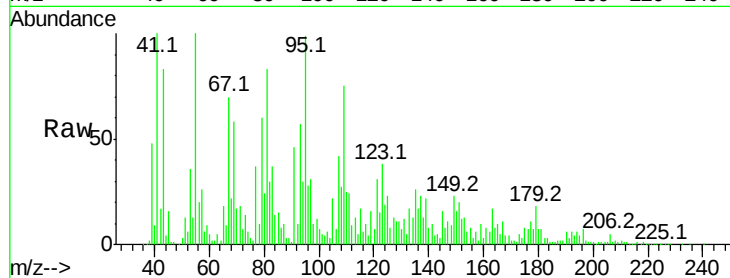
Tot Ion:198 Resp: 1851

Ion Ratio Lower Upper

198 100

51 996.8 6.7 46.7#

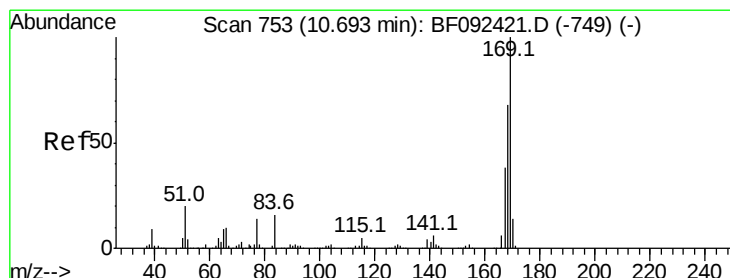
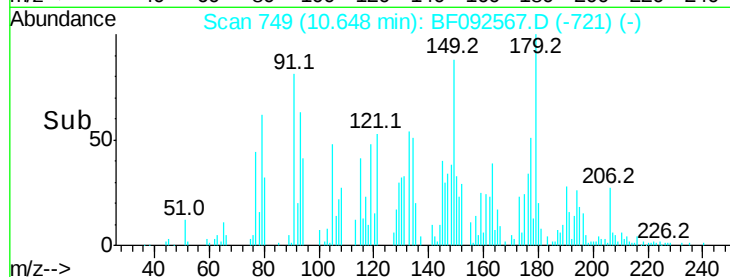
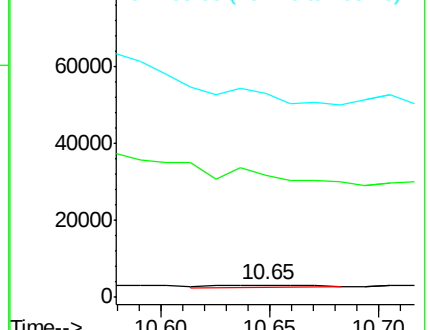
105 1661.8 16.6 56.6#



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



#65

n-Nitrosodiphenylamine

Concen: 2.33 ng

RT: 10.72 min Scan# 755

Delta R.T. 0.02 min

Lab File: BF092567.D

Acq: 27 Jan 2017 10:38

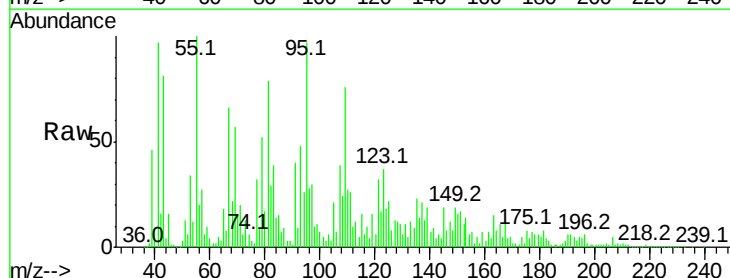
Tgt Ion:169 Resp: 22127

Ion Ratio Lower Upper

169 100

168 78.0 54.2 81.2

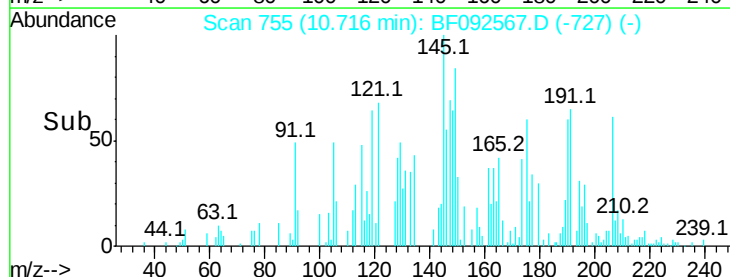
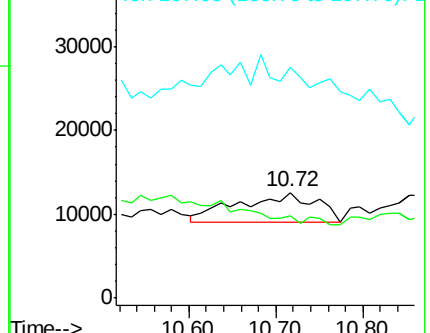
167 218.3 30.2 45.4#

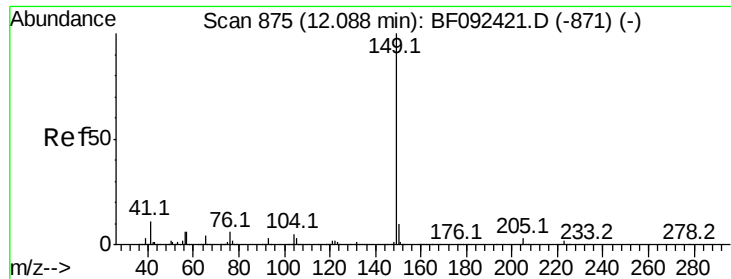


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#73

Di-n-butylphthalate

Concen: 16.08 ng

RT: 12.17 min Scan# 882

Delta R.T. 0.08 min

Lab File: BF092567.D

Acq: 27 Jan 2017 10:38

Instrument :

BNA_F

ClientSampleId :

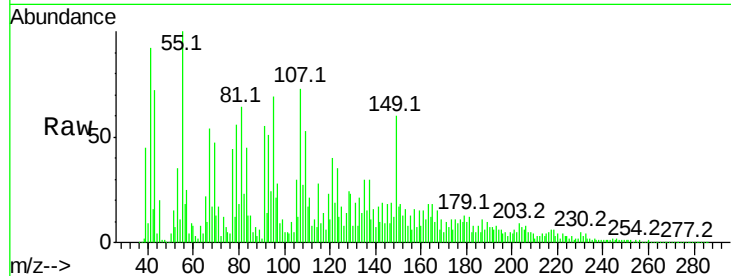
Tot Ion:149 Resp: 286773

Ion Ratio Lower Upper

149 100

150 28.4 8.1 12.1#

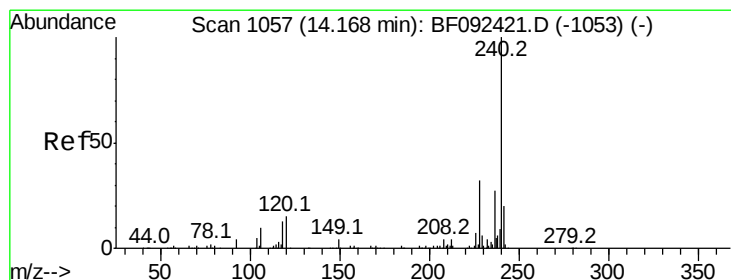
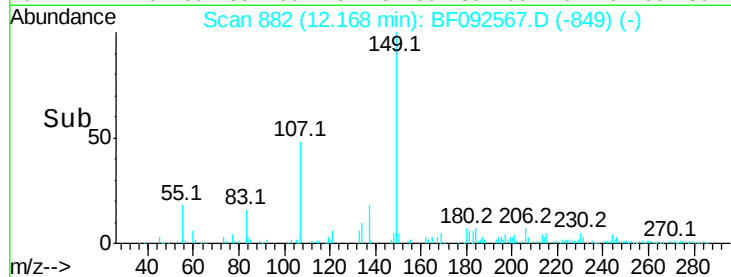
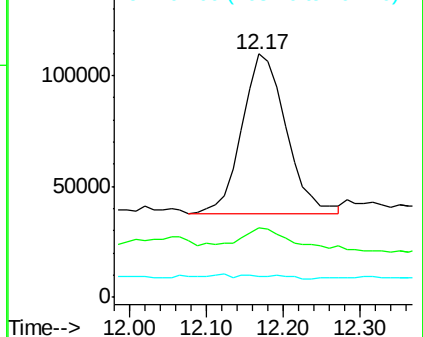
104 8.5 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.19 min Scan# 1059

Delta R.T. 0.02 min

Lab File: BF092567.D

Acq: 27 Jan 2017 10:38

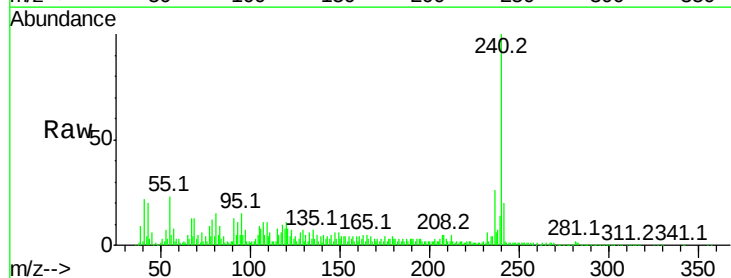
Tgt Ion:240 Resp: 326094

Ion Ratio Lower Upper

240 100

120 11.1 12.9 19.3#

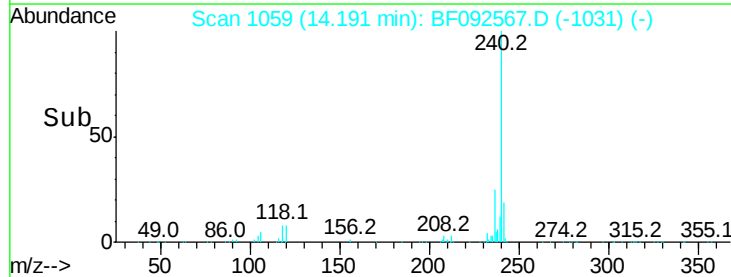
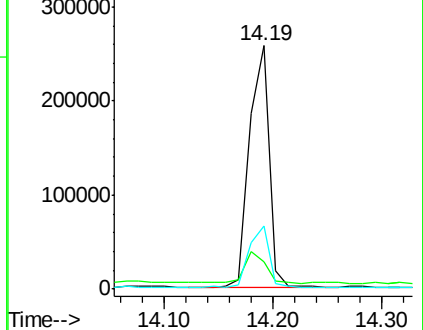
236 25.8 20.9 31.3

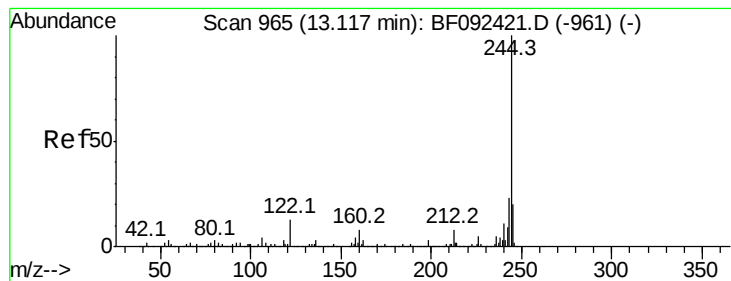


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 48.32 ng

RT: 13.13 min Scan# 966

Delta R.T. 0.01 min

Lab File: BF092567.D

Acq: 27 Jan 2017 10:38

Instrument :

BNA_F

ClientSampleId :

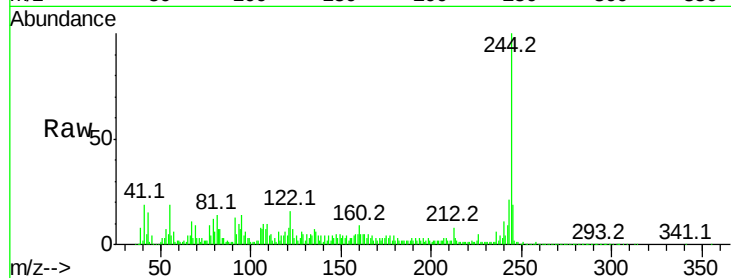
Tot Ion:244 Resp: 591780

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

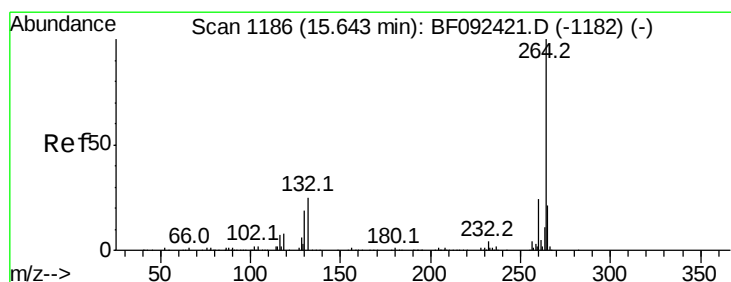
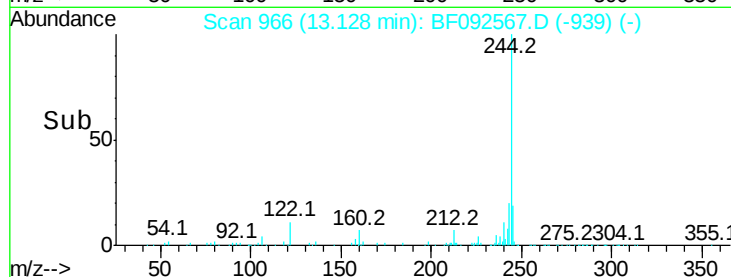
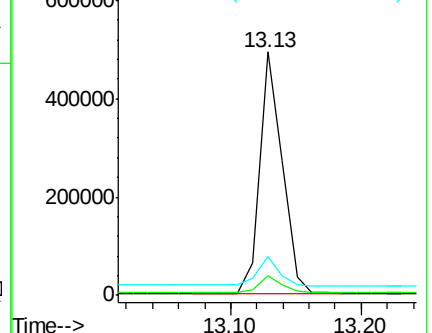
122 16.1 11.4 17.2



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: 15.68 min Scan# 1189

Delta R.T. 0.03 min

Lab File: BF092567.D

Acq: 27 Jan 2017 10:38

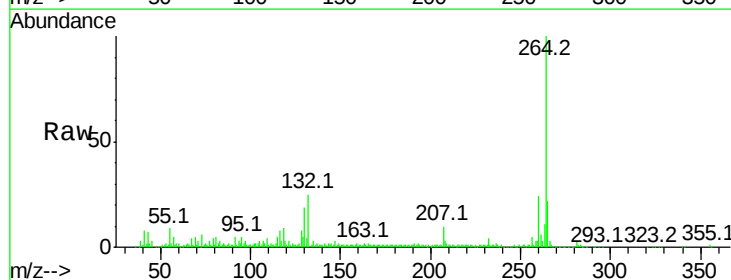
Tgt Ion:264 Resp: 339418

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 22.0 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

