

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
 Data File : BF092571.D
 Acq On : 27 Jan 2017 12:27
 Operator : SJ/MA
 Sample : I1353-07
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 27 12:53:11 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

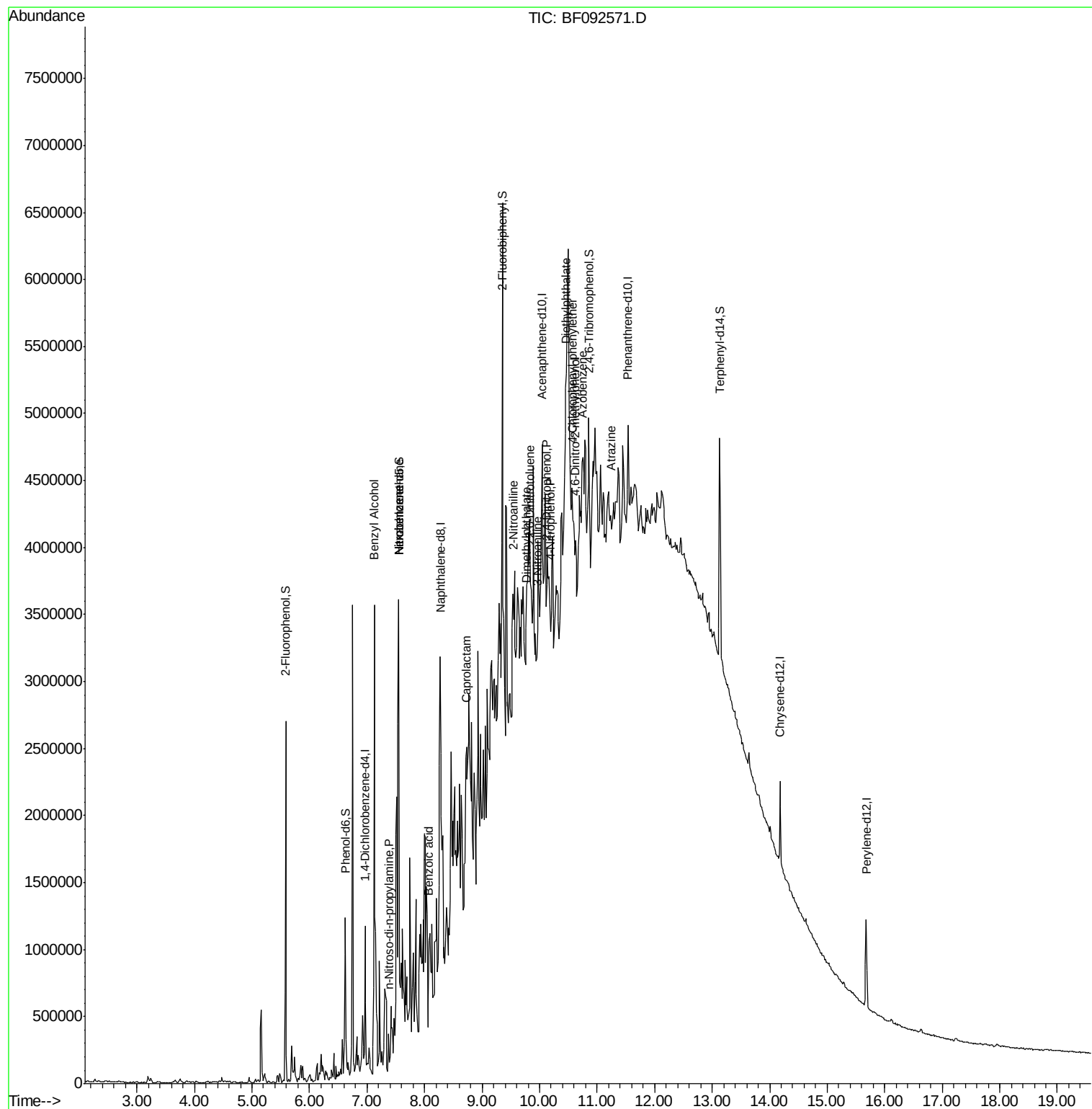
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	153613	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	577227	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	387812	20.00	ng	0.01
63) Phenanthrene-d10	11.54	188	313752	20.00	ng	0.01
75) Chrysene-d12	14.18	240	317532	20.00	ng	0.01
86) Perylene-d12	15.68	264	331997	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	671190	67.98	ng	0.03
7) Phenol-d6	6.62	99	572808	45.55	ng	0.03
23) Nitrobenzene-d5	7.55	82	1059501	100.26	ng	0.01
41) 2,4,6-Tribromophenol	10.85	330	235191	88.99	ng	0.03
44) 2-Fluorobiphenyl	9.36	172	1430015	68.19	ng	0.00
78) Terphenyl-d14	13.13	244	960701	80.57	ng	0.01
Target Compounds						
15) Benzyl Alcohol	7.13	79	26047	2.75	ng	# 35
18) Hexachloroethane	7.55	117	537889	126.49	ng	# 36
19) n-Nitroso-di-n-propylamine	7.38	70	39528	4.62	ng	# 74
24) Nitrobenzene	7.55	77	25425	2.30	ng	# 15
32) Benzoic acid	8.08	122	5481	5.38	ng	# 1
35) Caprolactam	8.73	113	32303	11.57	ng	# 1
47) 2-Nitroaniline	9.54	65	30617	3.97	ng	# 38
49) Dimethylphthalate	9.77	163	73305	2.97	ng	# 53
50) 2,6-Dinitrotoluene	9.84	165	20362	4.04	ng	# 51
52) 3-Nitroaniline	9.96	138	24339	3.86	ng	# 11
53) 2,4-Dinitrophenol	10.12	184	1246	3.63	ng	# 1
55) 4-Nitrophenol	10.18	139	16086	3.21	ng	# 1
59) Diethylphthalate	10.45	149	647345	27.38	ng	# 78
60) 4-Chlorophenyl-phenylether	10.57	204	43941	4.31	ng	# 67
62) Azobenzene	10.74	77	56053	2.08	ng	# 30
64) 4,6-Dinitro-2-methylphenol	10.62	198	2158	6.10	ng	# 1
68) Atrazine	11.24	200	19951	5.95	ng	# 1

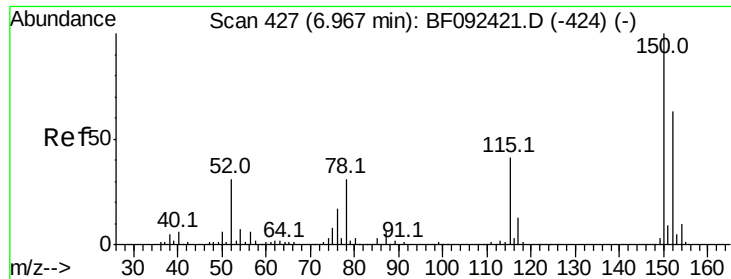
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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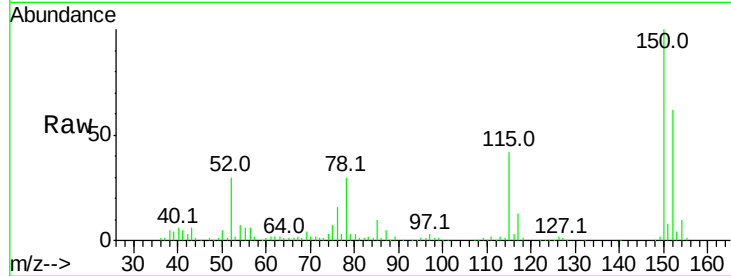


#1

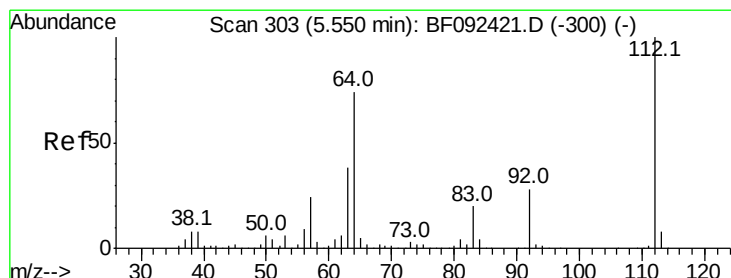
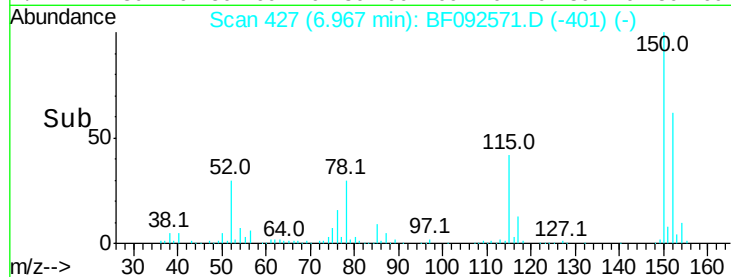
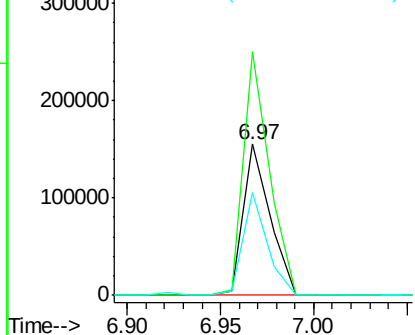
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF092571.D
Acq: 27 Jan 2017 12:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	124.9	187.3
115	68.1	46.0	69.0



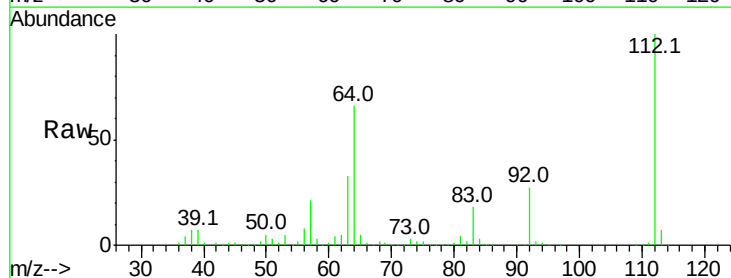
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



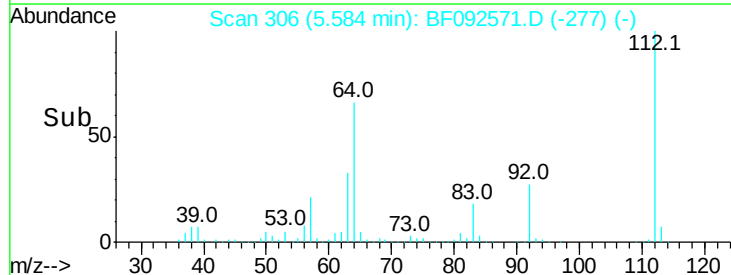
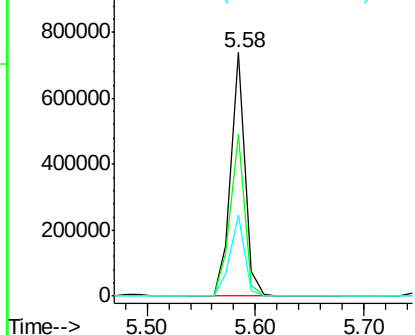
#5

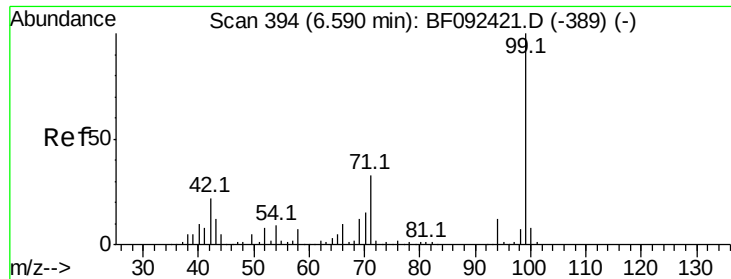
2-Fluorophenol
Concen: 67.98 ng
RT: 5.58 min Scan# 306
Delta R.T. 0.03 min
Lab File: BF092571.D
Acq: 27 Jan 2017 12:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	46.1	69.1
63	33.4	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: 45.55 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.03 min

Lab File: BF092571.D

Acq: 27 Jan 2017 12:27

Instrument :

BNA_F

ClientSampleId :

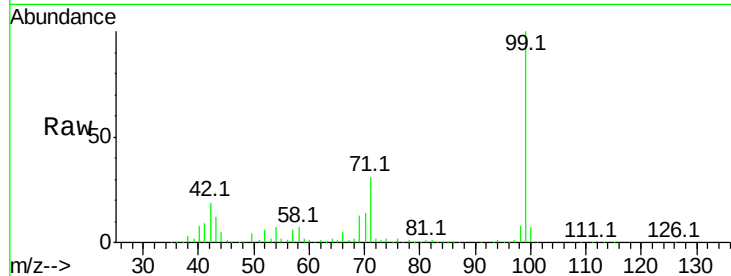
Tot Ion: 99 Resp: 572808

Ion Ratio Lower Upper

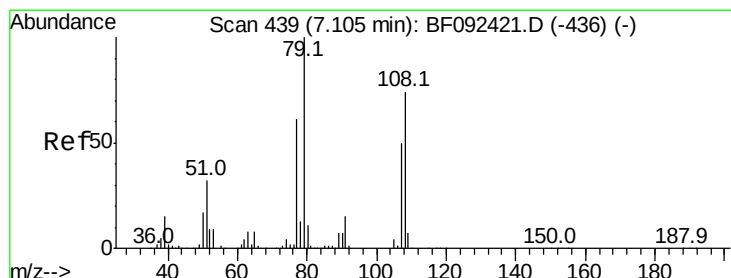
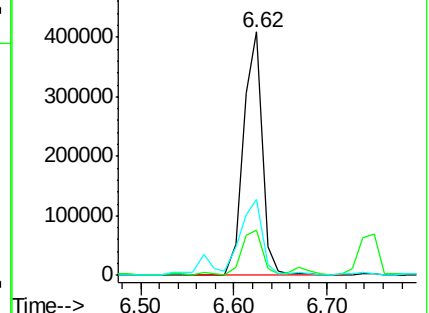
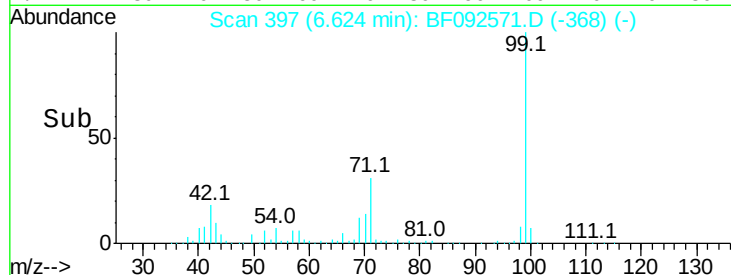
99 100

42 18.6 15.6 23.4

71 31.3 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



#15

Benzyl Alcohol

Concen: 2.75 ng

RT: 7.13 min Scan# 441

Delta R.T. 0.02 min

Lab File: BF092571.D

Acq: 27 Jan 2017 12:27

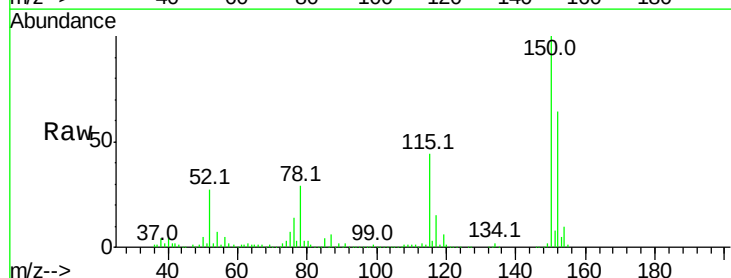
Tgt Ion: 79 Resp: 26047

Ion Ratio Lower Upper

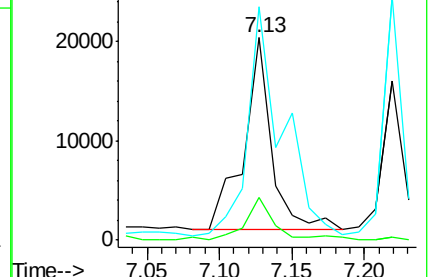
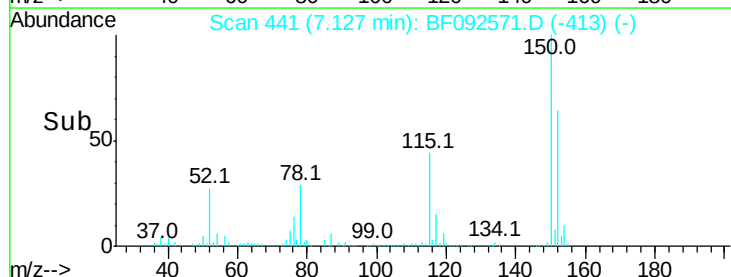
79 100

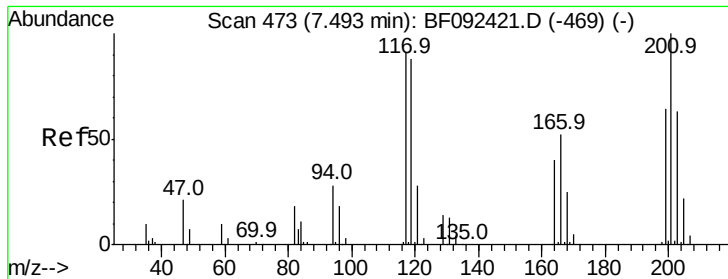
108 21.1 61.4 92.0#

77 115.0 50.9 76.3#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

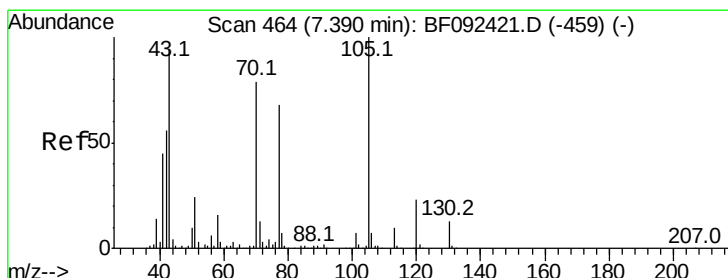
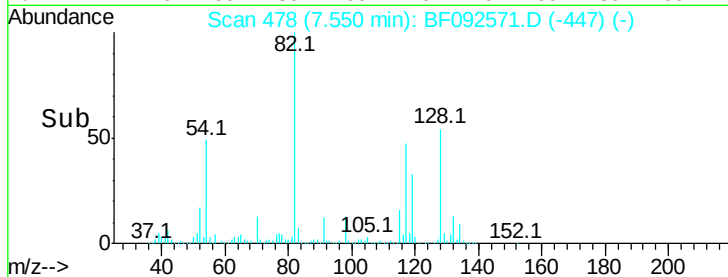
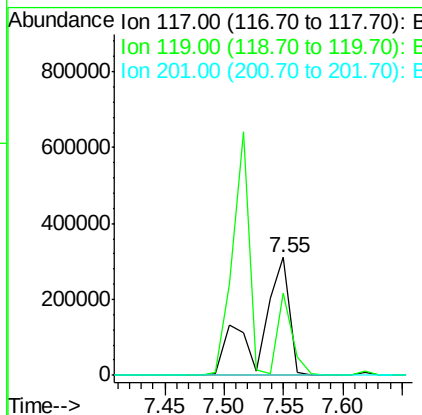
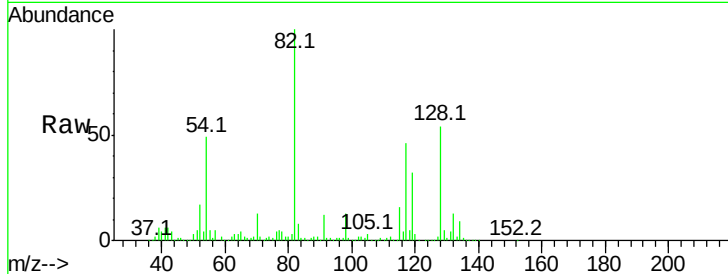




#18
Hexachloroethane
Concen: 126.49 ng
RT: 7.55 min Scan# 478
Delta R.T. 0.06 min
Lab File: BF092571.D
Acq: 27 Jan 2017 12:27

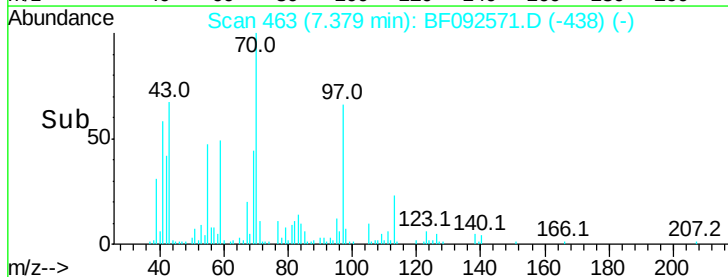
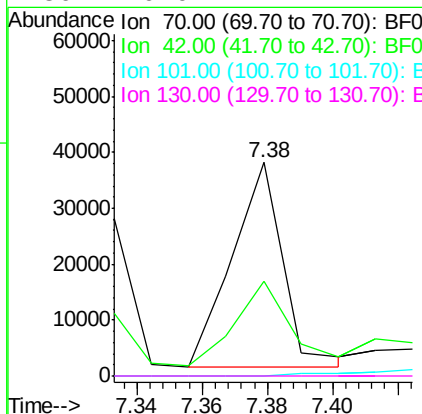
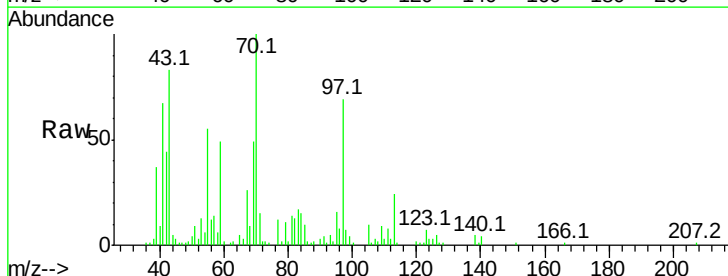
Instrument :
BNA_F
ClientSampleId :

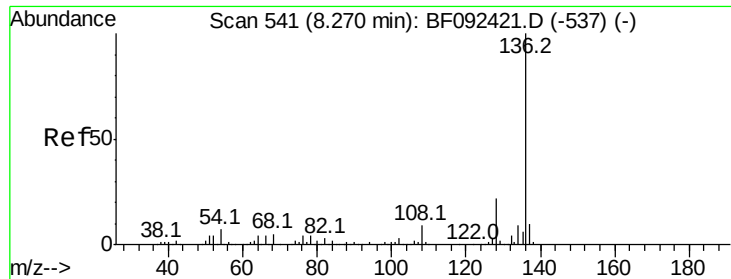
Tot Ion:117 Resp: 537889
Ion Ratio Lower Upper
117 100
119 69.9 78.1 117.1#
201 0.0 78.6 117.8#



#19
n-Nitroso-di-n-propylamine
Concen: 4.62 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.01 min
Lab File: BF092571.D
Acq: 27 Jan 2017 12:27

Tgt Ion: 70 Resp: 39528
Ion Ratio Lower Upper
70 100
42 44.3 49.4 74.0#
101 0.0 7.4 11.2#
130 0.0 14.2 21.4#

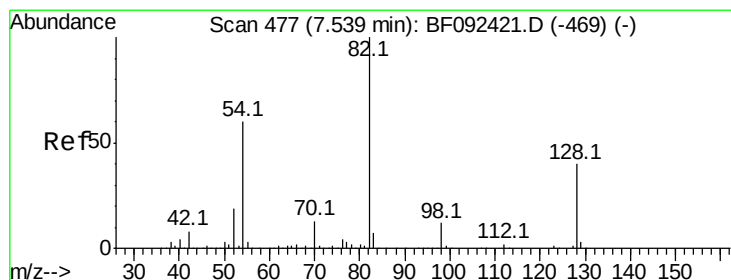
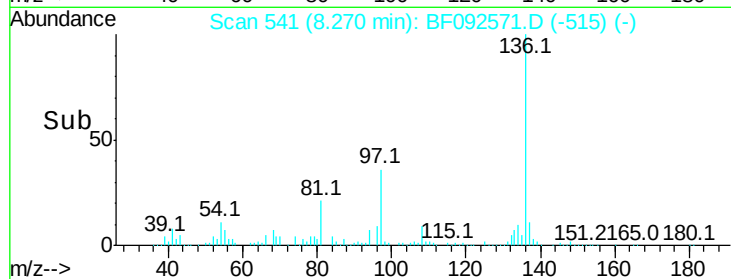
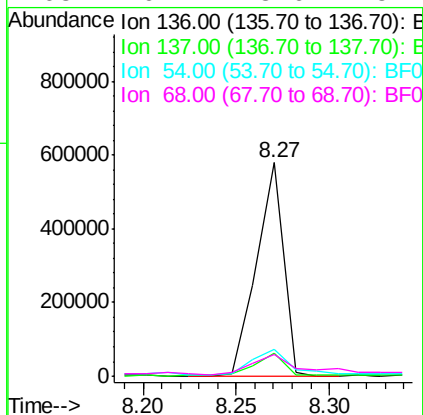
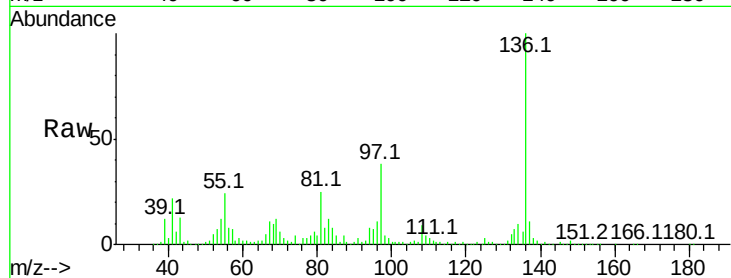




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.27 min Scan# 541
Delta R.T. -0.00 min
Lab File: BF092571.D
Acq: 27 Jan 2017 12:27

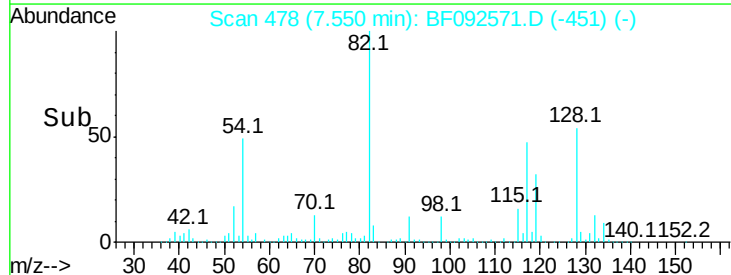
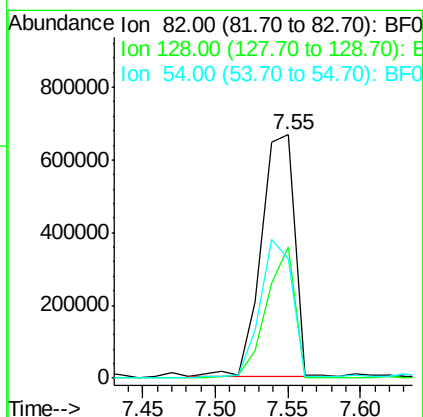
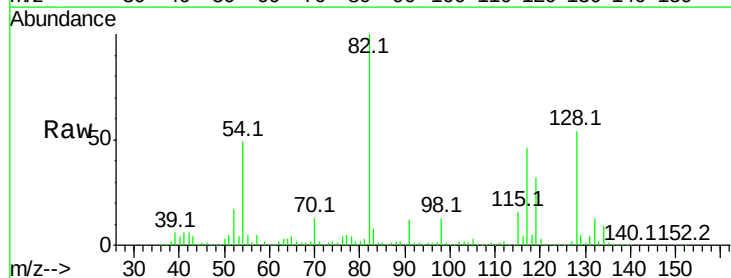
Instrument :
BNA_F
ClientSampleId :

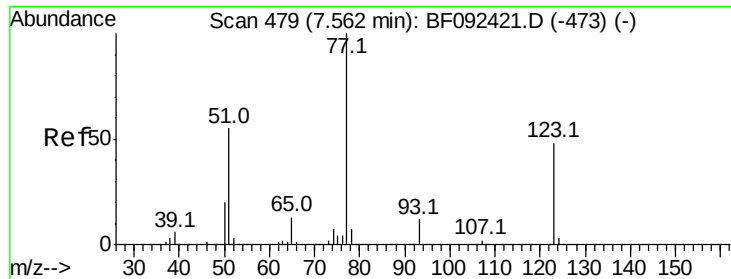
Tot Ion:136	Resp:	577227
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.4	12.6
54 12.4	4.5	6.7#
68 10.1	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 100.26 ng
RT: 7.55 min Scan# 478
Delta R.T. 0.01 min
Lab File: BF092571.D
Acq: 27 Jan 2017 12:27

Tgt	Ion: 82	Resp: 1059501	
Ion	Ratio	Lower	Upper
82	100		
128	53.6	34.6	52.0#
54	49.2	39.5	59.3

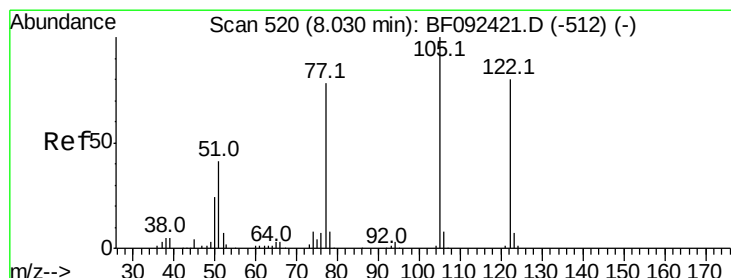
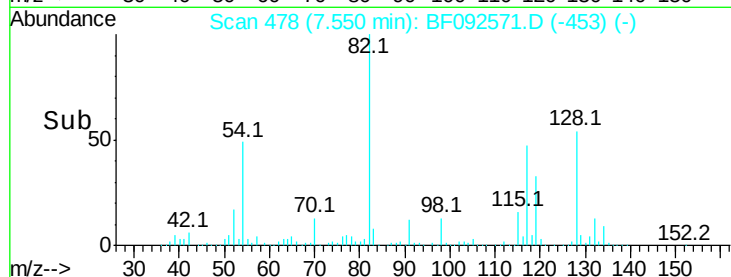
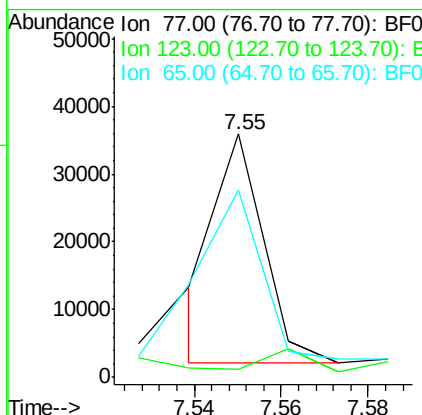
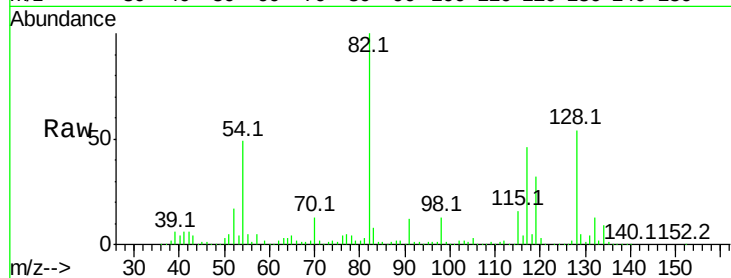




#24
 Nitrobenzene
 Concen: 2.30 ng
 RT: 7.55 min Scan# 478
 Delta R.T. -0.01 min
 Lab File: BF092571.D
 Acq: 27 Jan 2017 12:27

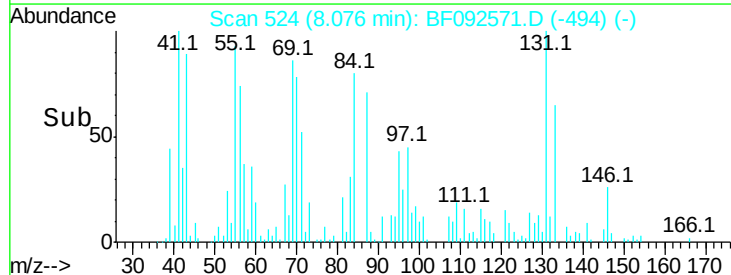
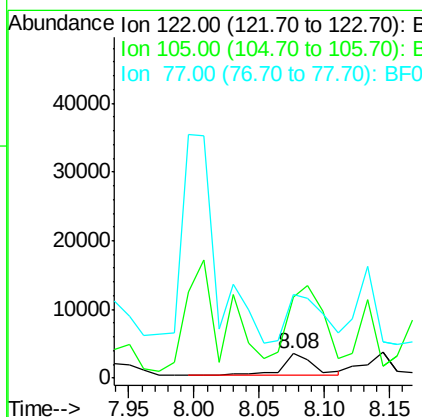
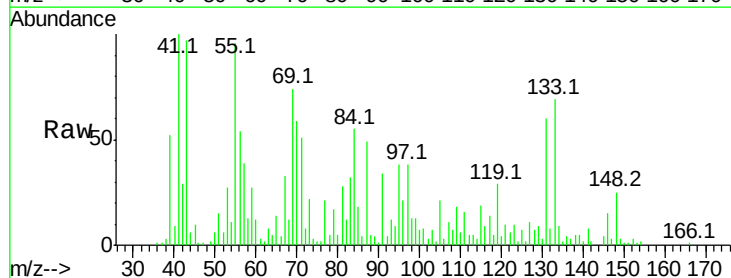
Instrument :
 BNA_F
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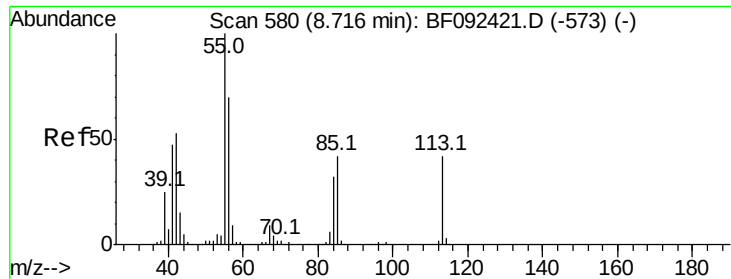
Tot Ion: 77 Resp: 25425
 Ion Ratio Lower Upper
 77 100
 123 3.2 33.0 49.4#
 65 77.1 11.2 16.8#



#32
 Benzoic acid
 Concen: 5.38 ng
 RT: 8.08 min Scan# 524
 Delta R.T. 0.05 min
 Lab File: BF092571.D
 Acq: 27 Jan 2017 12:27

Tgt Ion: 122 Resp: 5481
 Ion Ratio Lower Upper
 122 100
 105 333.5 107.2 147.2#
 77 341.9 74.5 114.5#

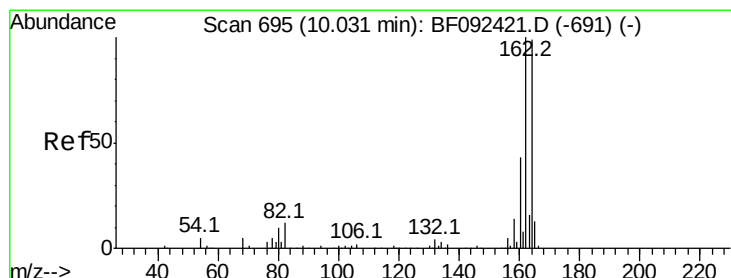
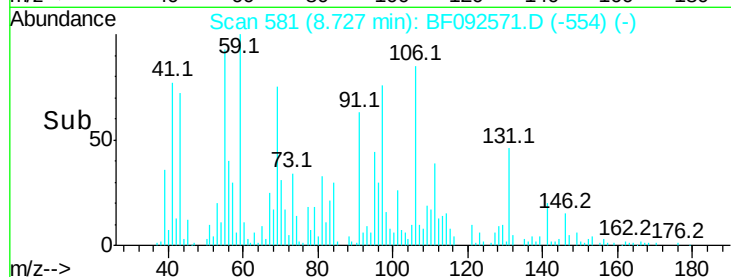
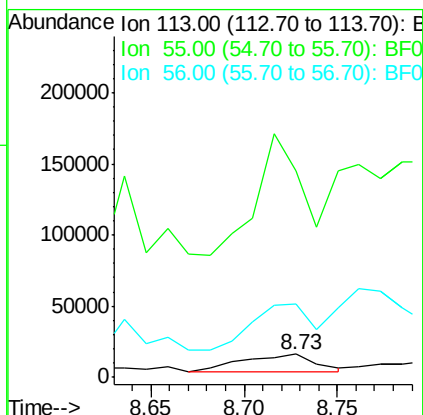
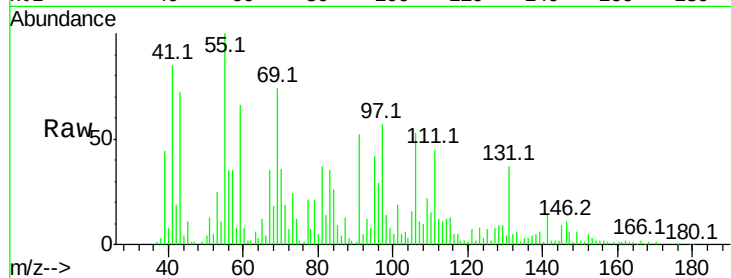




#35
 Caprolactam
 Concen: 11.57 ng
 RT: 8.73 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: BF092571.D
 Acq: 27 Jan 2017 12:27

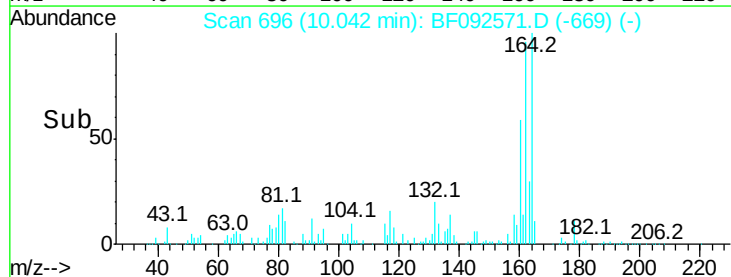
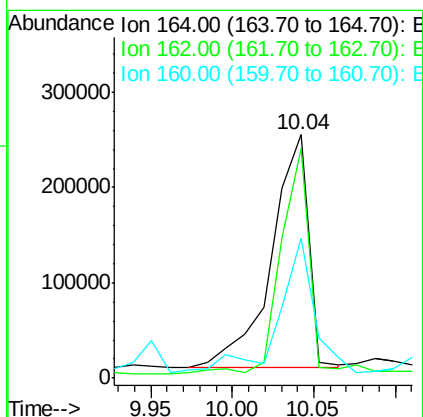
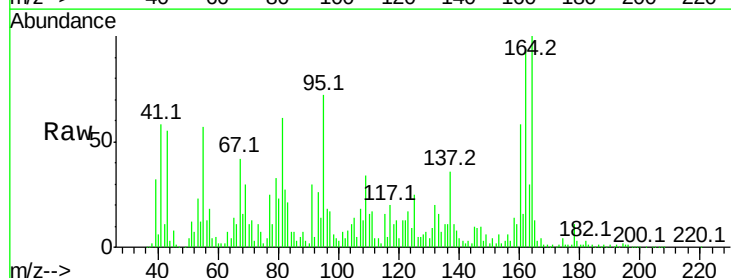
Instrument :
 BNA_F
 ClientSampleId :

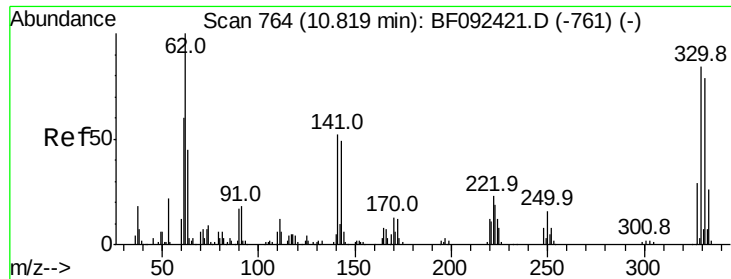
Tot Ion:113 Resp: 32303
 Ion Ratio Lower Upper
 113 100
 55 885.0 119.2 159.2#
 56 311.4 83.8 123.8#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.04 min Scan# 696
 Delta R.T. 0.01 min
 Lab File: BF092571.D
 Acq: 27 Jan 2017 12:27

Tgt Ion:164 Resp: 387812
 Ion Ratio Lower Upper
 164 100
 162 94.1 80.2 120.2
 160 57.7 36.9 55.3#

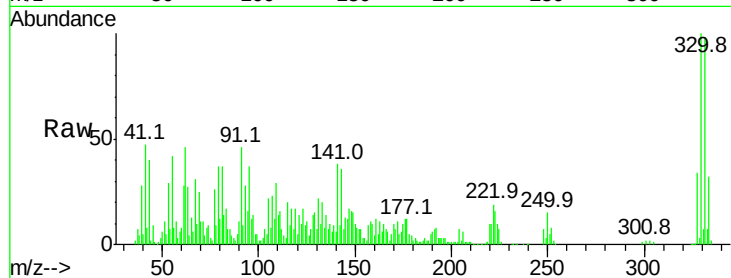




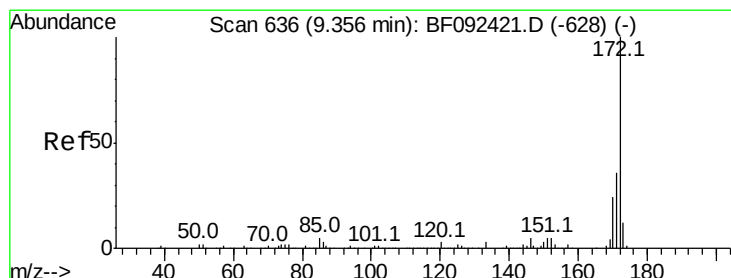
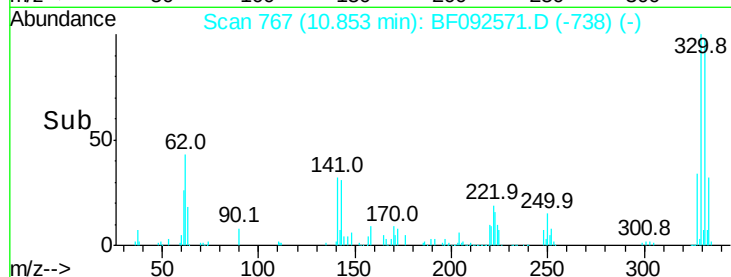
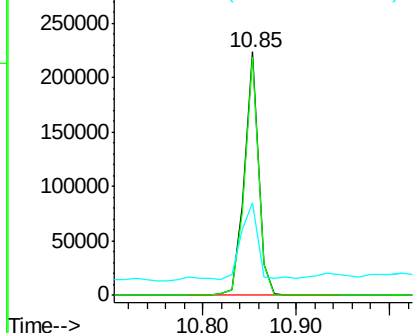
#41
 2,4,6-Tribromophenol
 Concen: 88.99 ng
 RT: 10.85 min Scan# 767
 Delta R.T. 0.03 min
 Lab File: BF092571.D
 Acq: 27 Jan 2017 12:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 235191
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.4 116.2
 141 36.2 34.1 51.1

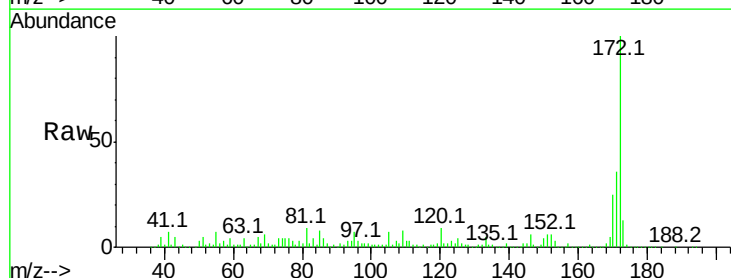


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

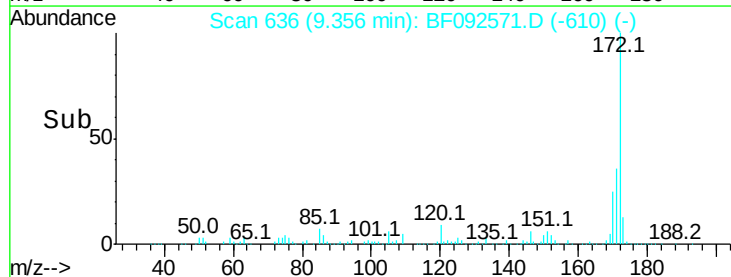
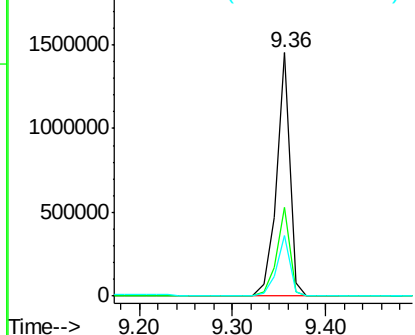


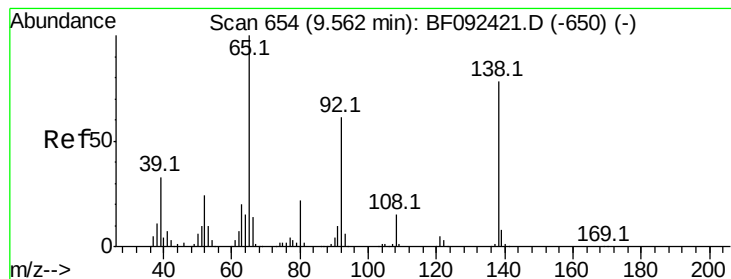
#44
 2-Fluorobiphenyl
 Concen: 68.19 ng
 RT: 9.36 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: BF092571.D
 Acq: 27 Jan 2017 12:27

Tgt Ion:172 Resp: 1430015
 Ion Ratio Lower Upper
 172 100
 171 36.4 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





#47

2-Nitroaniline

Concen: 3.97 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.02 min

Lab File: BF092571.D

Acq: 27 Jan 2017 12:27

Instrument :

BNA_F

ClientSampleId :

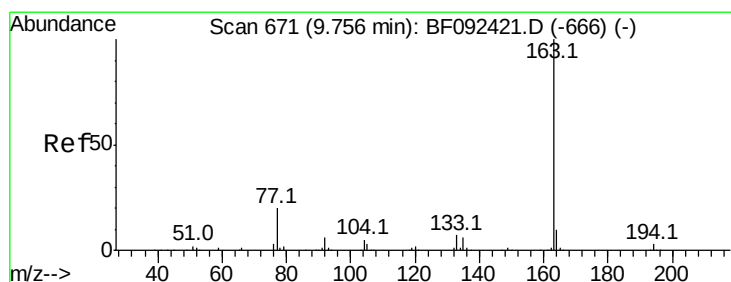
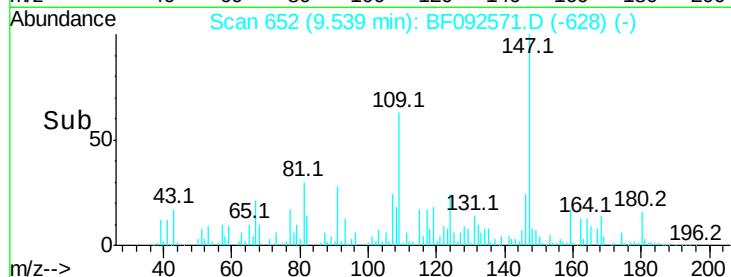
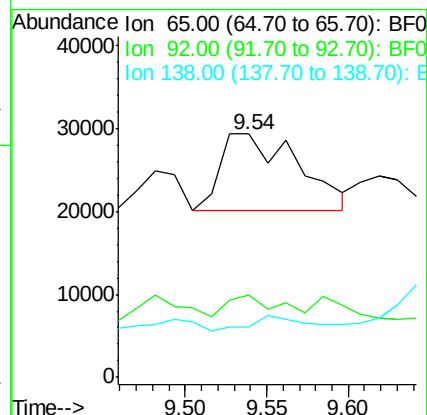
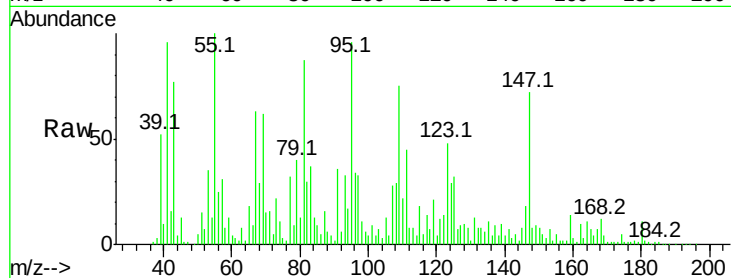
Tot Ion: 65 Resp: 30617

Ion Ratio Lower Upper

65 100

92 33.7 53.9 80.9#

138 20.9 76.8 115.2#



#49

Dimethylphthalate

Concen: 2.97 ng

RT: 9.77 min Scan# 672

Delta R.T. 0.01 min

Lab File: BF092571.D

Acq: 27 Jan 2017 12:27

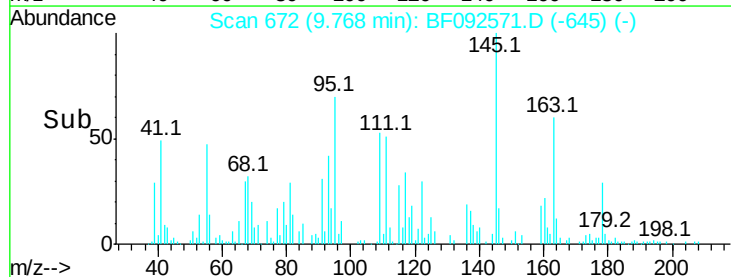
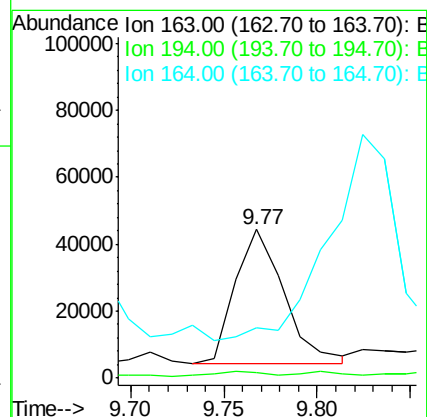
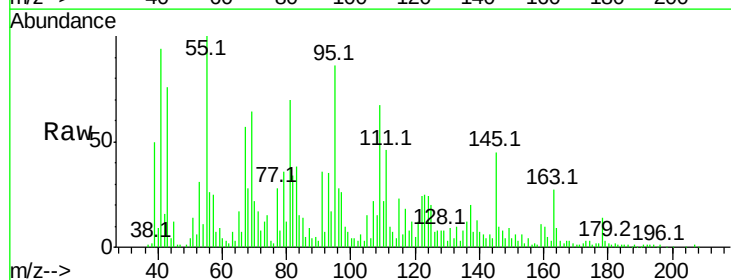
Tgt Ion:163 Resp: 73305

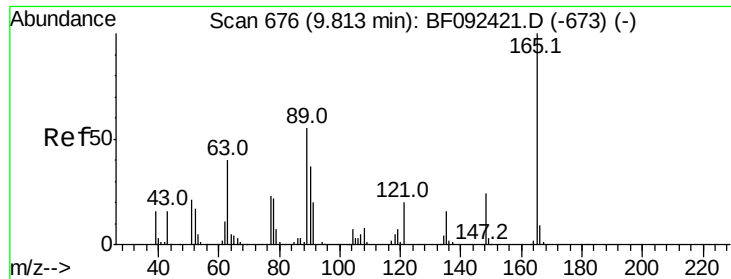
Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

164 33.6 8.0 12.0#





#50

2,6-Dinitrotoluene

Concen: 4.04 ng

RT: 9.84 min Scan# 678

Delta R.T. 0.02 min

Lab File: BF092571.D

Acq: 27 Jan 2017 12:27

Instrument :

BNA_F

ClientSampleId :

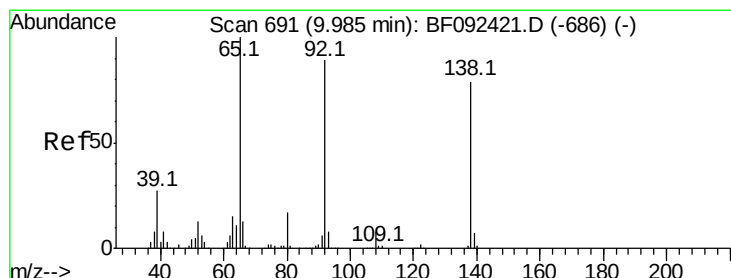
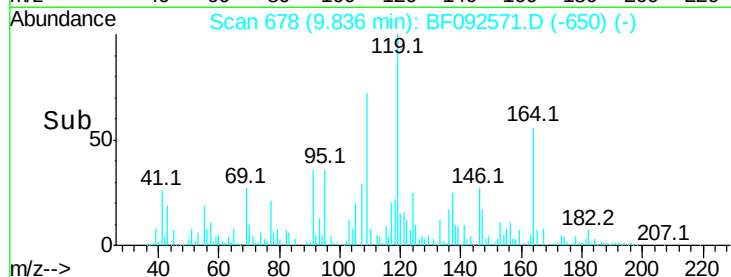
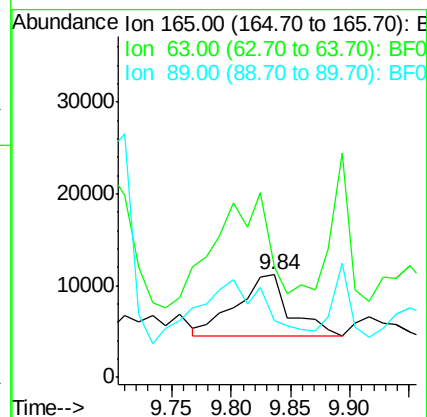
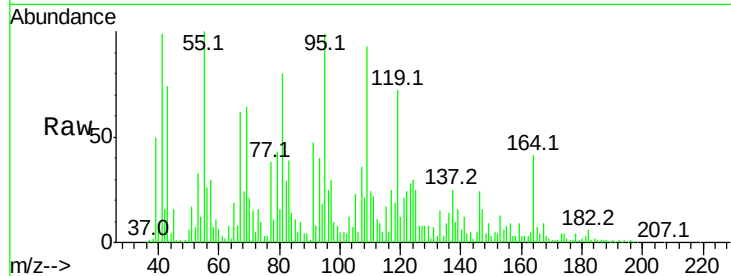
Tot Ion:165 Resp: 20362

Ion Ratio Lower Upper

165 100

63 108.3 36.2 54.4#

89 55.4 40.2 60.4



#52

3-Nitroaniline

Concen: 3.86 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF092571.D

Acq: 27 Jan 2017 12:27

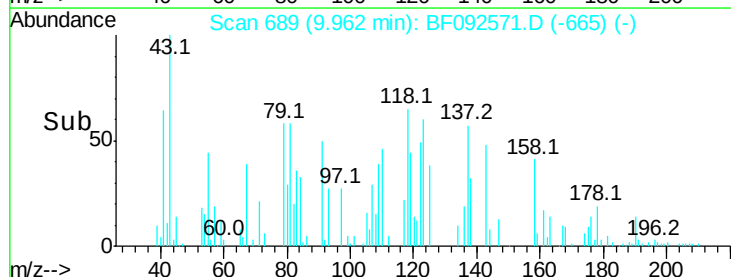
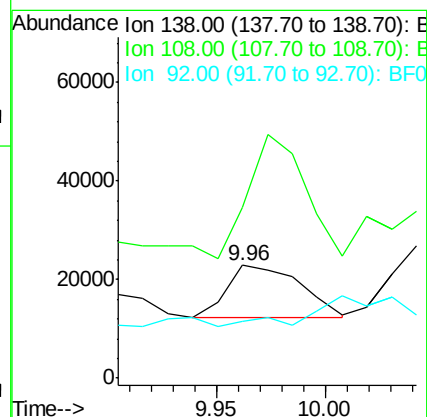
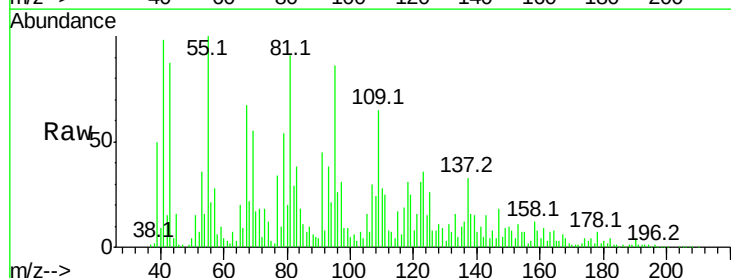
Tgt Ion:138 Resp: 24339

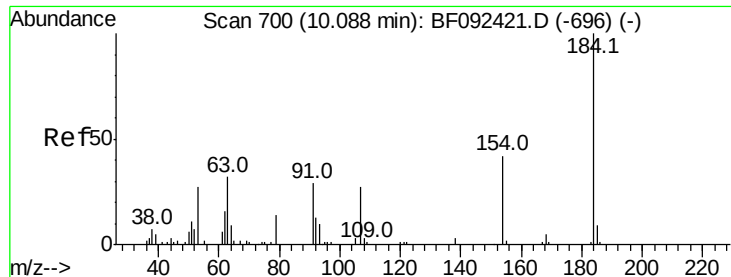
Ion Ratio Lower Upper

138 100

108 151.1 8.5 12.7#

92 49.7 97.8 146.8#

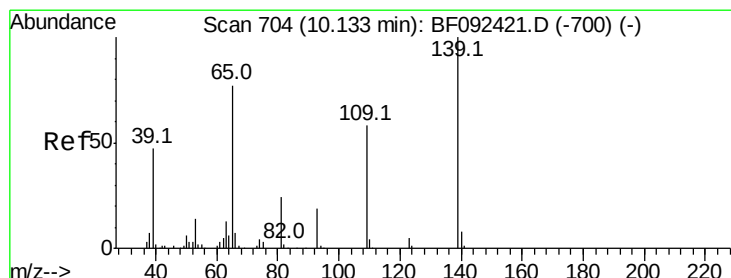
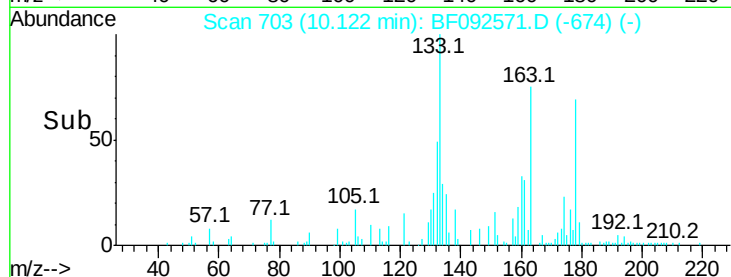
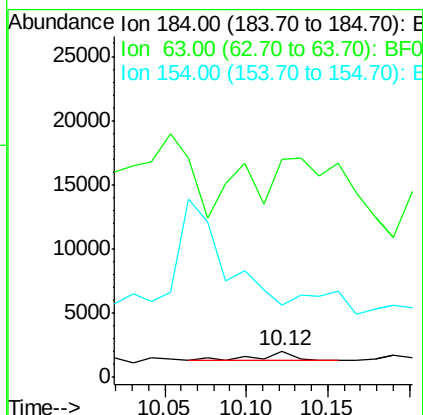
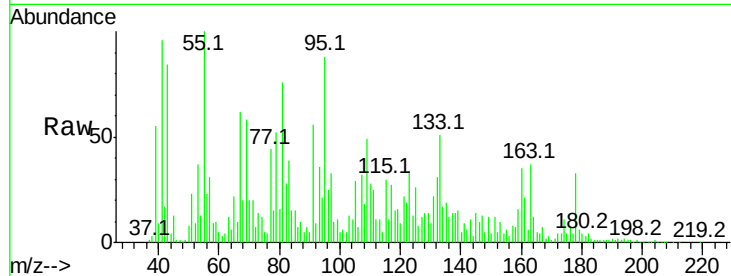




#53
 2,4-Dinitrophenol
 Concen: 3.63 ng
 RT: 10.12 min Scan# 703
 Delta R.T. 0.03 min
 Lab File: BF092571.D
 Acq: 27 Jan 2017 12:27

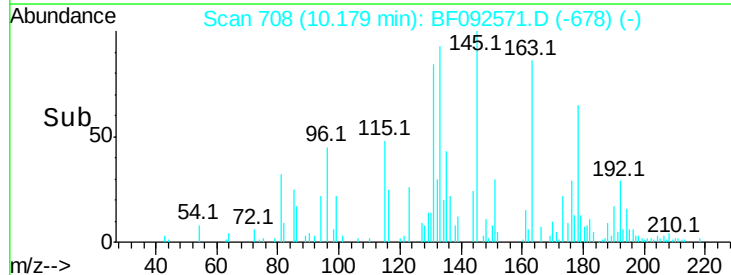
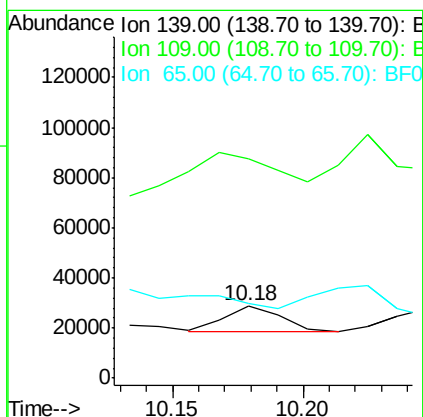
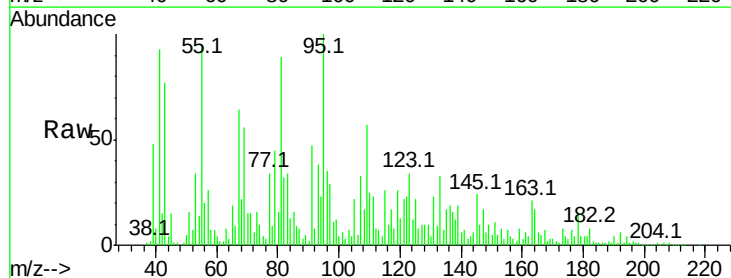
Instrument :
 BNA_F
 ClientSampleId :

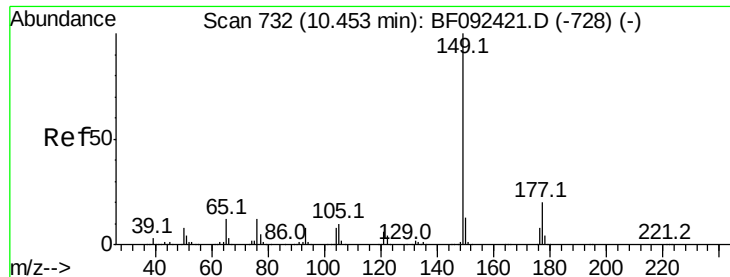
Tot Ion:184 Resp: 1246
 Ion Ratio Lower Upper
 184 100
 63 829.0 28.4 42.6#
 154 276.9 44.3 66.5#



#55
 4-Nitrophenol
 Concen: 3.21 ng
 RT: 10.18 min Scan# 708
 Delta R.T. 0.05 min
 Lab File: BF092571.D
 Acq: 27 Jan 2017 12:27

Tgt Ion:139 Resp: 16086
 Ion Ratio Lower Upper
 139 100
 109 302.0 52.2 92.2#
 65 102.9 85.8 125.8

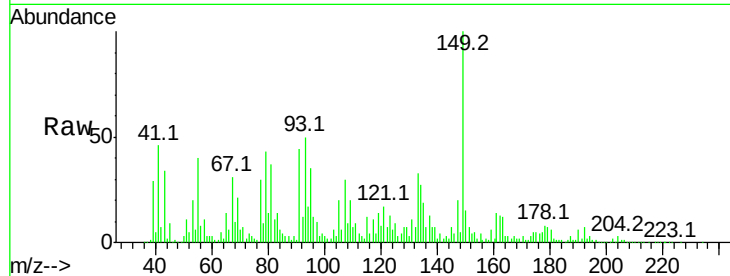




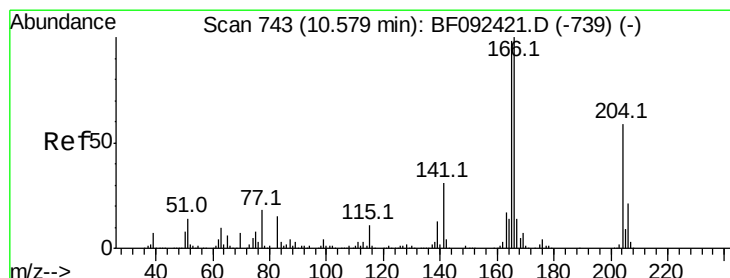
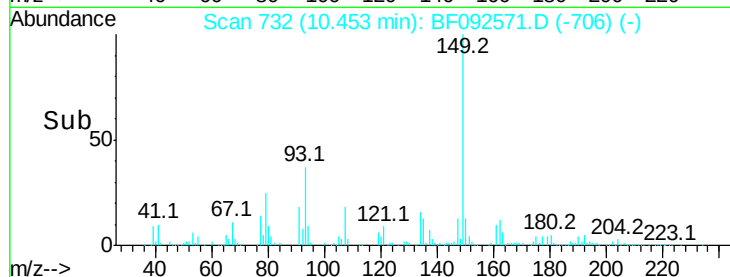
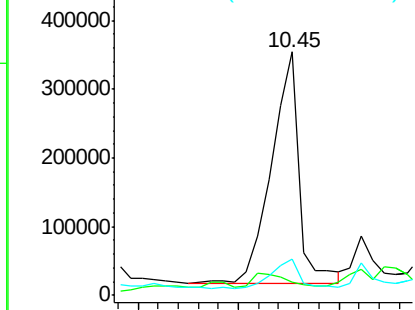
#59
Diethylphthalate
Concen: 27.38 ng
RT: 10.45 min Scan# 732
Delta R.T. -0.00 min
Lab File: BF092571.D
Acq: 27 Jan 2017 12:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 647345
Ion Ratio Lower Upper
149 100
177 5.3 16.6 25.0#
150 14.8 10.4 15.6

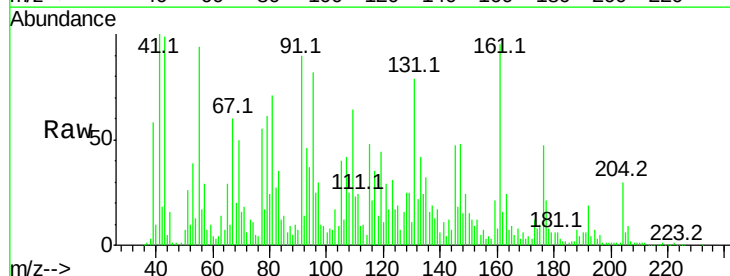


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

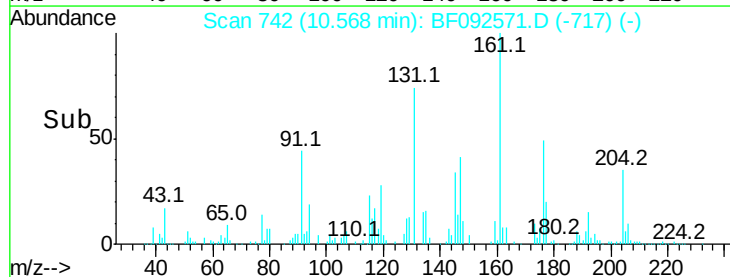
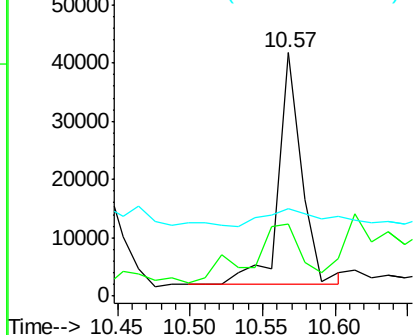


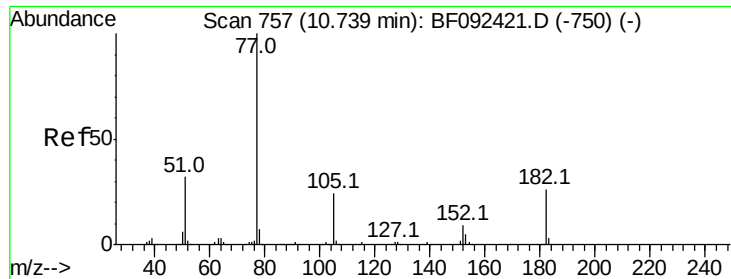
#60
4-Chlorophenyl-phenylether
Concen: 4.31 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF092571.D
Acq: 27 Jan 2017 12:27

Tgt Ion:204 Resp: 43941
Ion Ratio Lower Upper
204 100
206 29.4 25.8 38.6
141 36.0 59.4 89.0#



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#62

Azobenzene

Concen: 2.08 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF092571.D

Acq: 27 Jan 2017 12:27

Instrument :

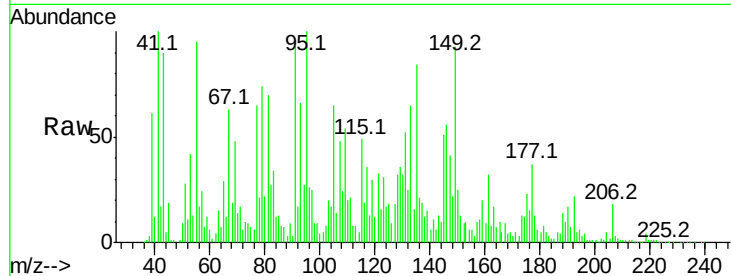
BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 56053

Ion Ratio Lower Upper

77	100		
182	7.5	0.0	39.3
105	100.6	2.3	42.3#
51	43.1	8.9	48.9

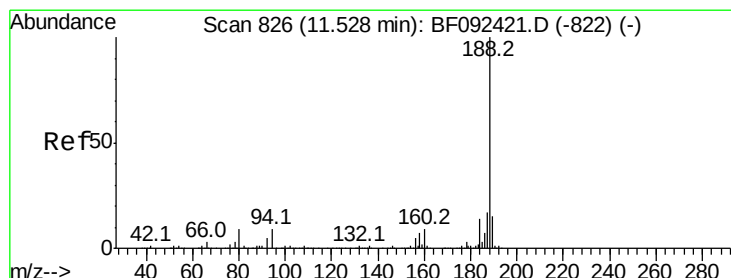
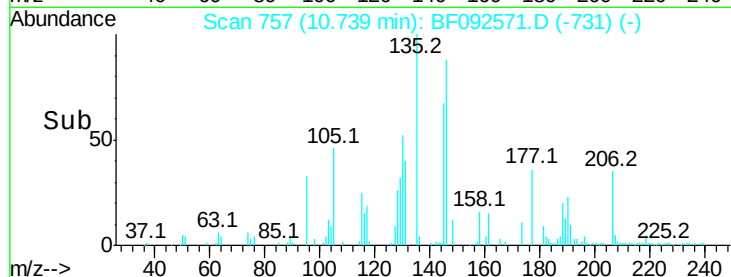
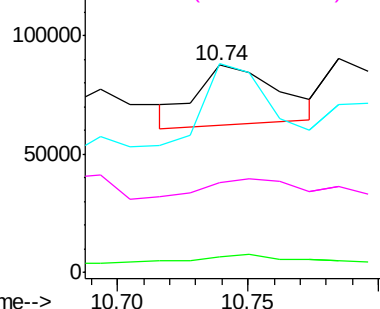


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.54 min Scan# 827

Delta R.T. 0.01 min

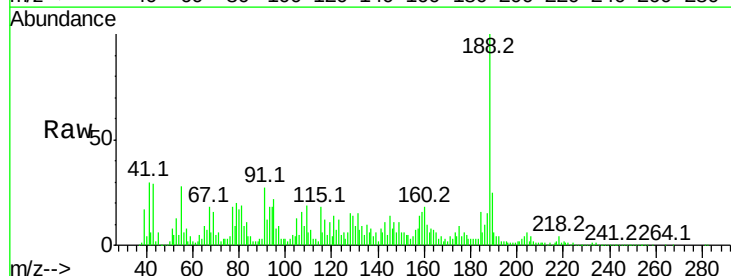
Lab File: BF092571.D

Acq: 27 Jan 2017 12:27

Tgt Ion: 188 Resp: 313752

Ion Ratio Lower Upper

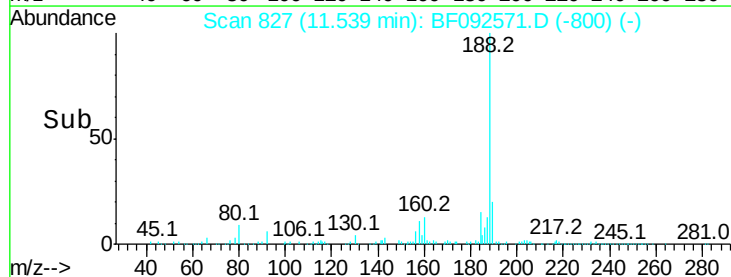
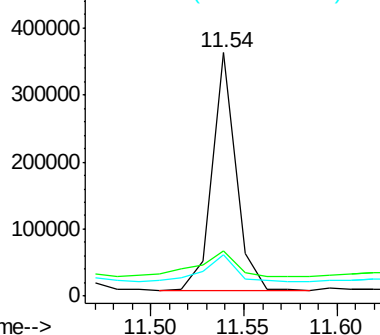
188	100		
94	18.3	10.0	15.0#
80	17.1	11.2	16.8#

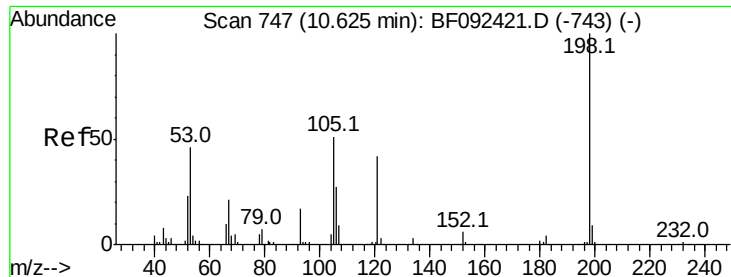


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.10 ng

RT: 10.62 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF092571.D

Acq: 27 Jan 2017 12:27

Instrument :

BNA_F

ClientSampleId :

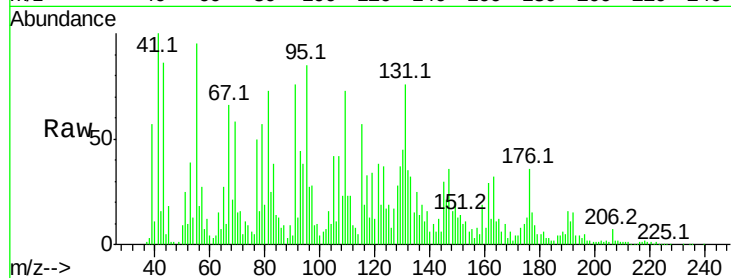
Tot Ion:198 Resp: 2158

Ion Ratio Lower Upper

198 100

51 1604.6 6.7 46.7#

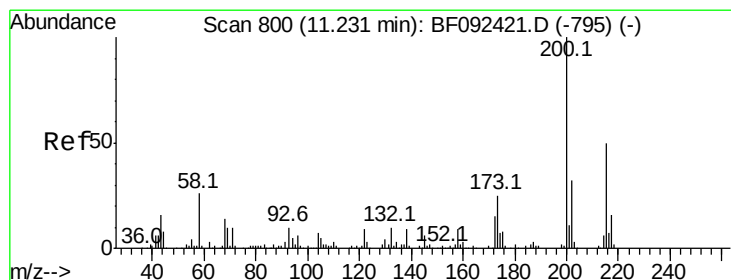
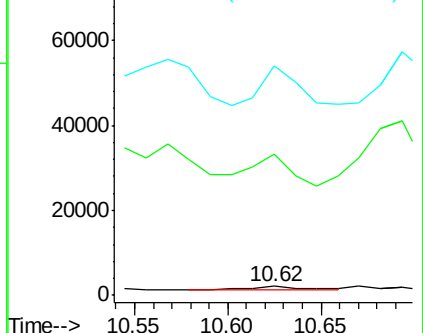
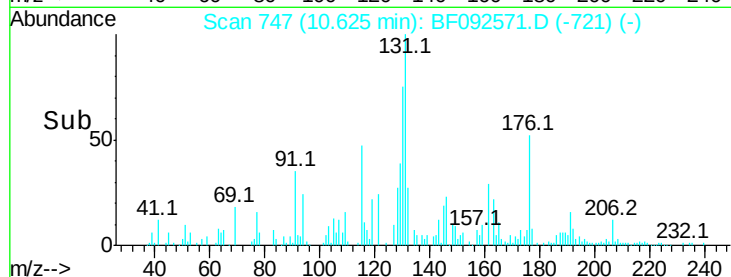
105 2621.9 16.6 56.6#



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



#68

Atrazine

Concen: 5.95 ng

RT: 11.24 min Scan# 801

Delta R.T. 0.01 min

Lab File: BF092571.D

Acq: 27 Jan 2017 12:27

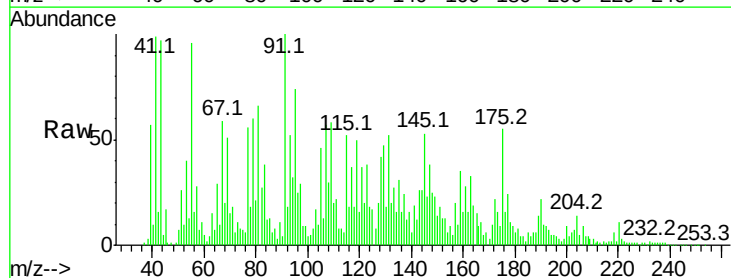
Tgt Ion:200 Resp: 19951

Ion Ratio Lower Upper

200 100

173 166.5 9.6 49.6#

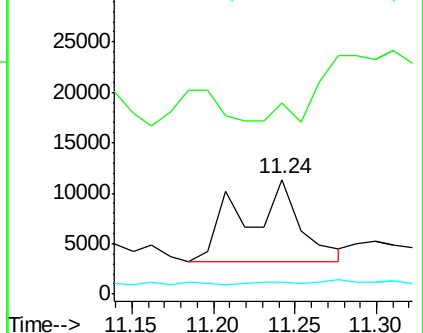
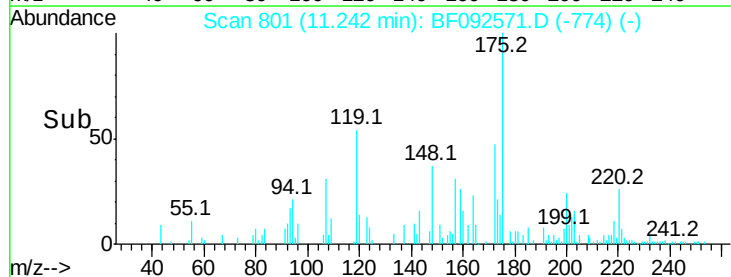
215 10.6 25.7 65.7#

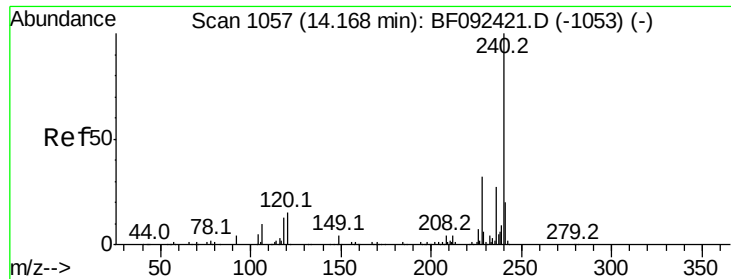


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.18 min Scan# 1058

Delta R.T. 0.01 min

Lab File: BF092571.D

Acq: 27 Jan 2017 12:27

Instrument :

BNA_F

ClientSampleId :

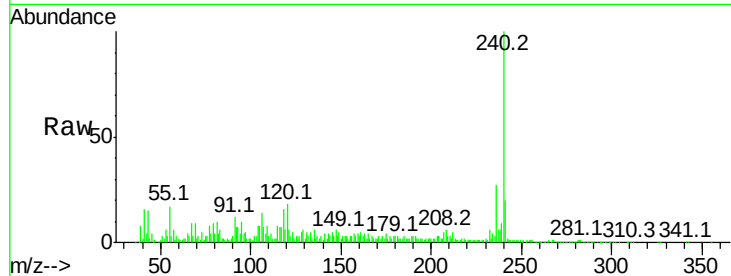
Tot Ion:240 Resp: 317532

Ion Ratio Lower Upper

240 100

120 18.4 12.9 19.3

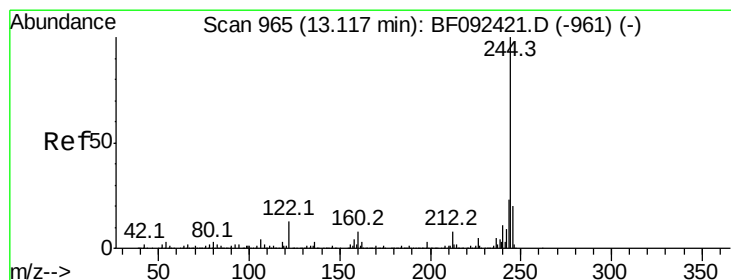
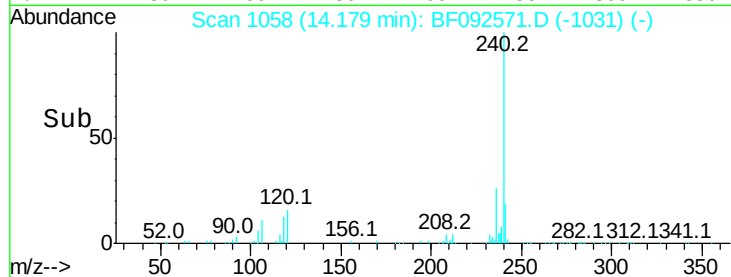
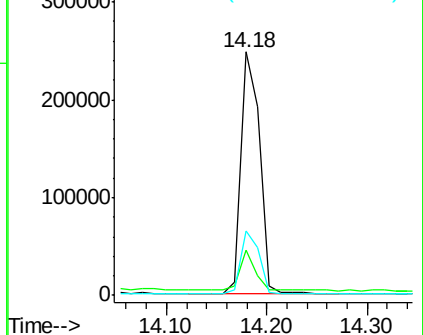
236 26.7 20.9 31.3



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: 80.57 ng

RT: 13.13 min Scan# 966

Delta R.T. 0.01 min

Lab File: BF092571.D

Acq: 27 Jan 2017 12:27

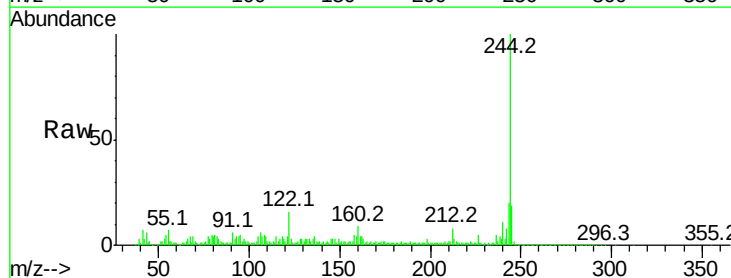
Tgt Ion:244 Resp: 960701

Ion Ratio Lower Upper

244 100

212 8.3 6.2 9.2

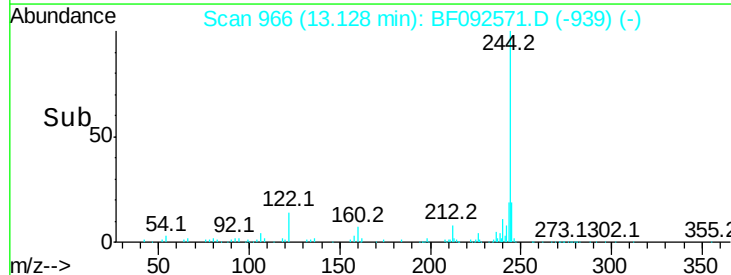
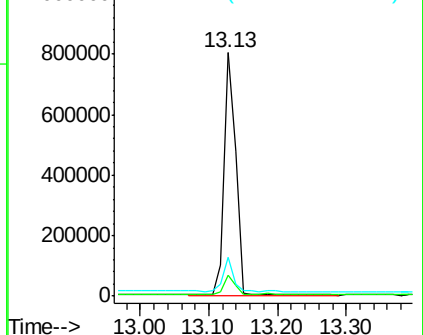
122 15.8 11.4 17.2

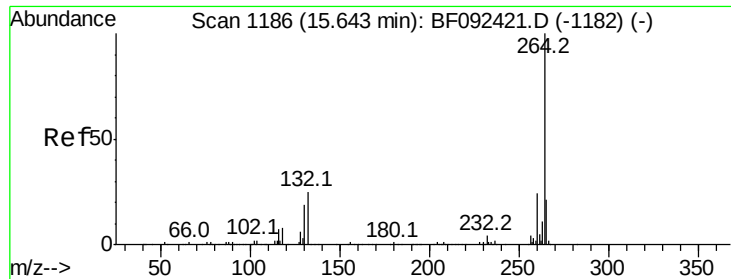


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

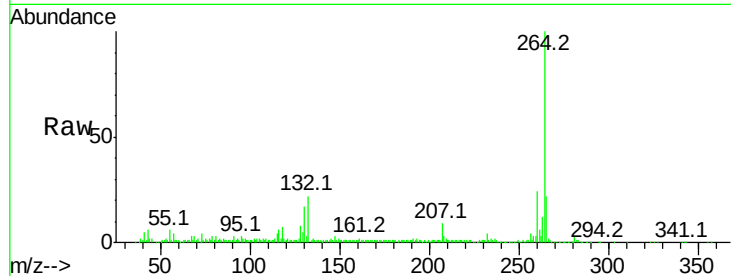




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.68 min Scan# 1189
Delta R.T. 0.03 min
Lab File: BF092571.D
Acq: 27 Jan 2017 12:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.2	17.4	26.0



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

