

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
 Data File : BF092609.D
 Acq On : 28 Jan 2017 7:01
 Operator : SJ/MA
 Sample : I1527-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-COMP

Quant Time: Jan 29 23:45:58 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	146544	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	571803	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	277653	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	376416	20.00	ng	-0.01
75) Chrysene-d12	14.17	240	315988	20.00	ng	0.00
86) Perylene-d12	15.65	264	224413	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1219627	129.49	ng	0.05
7) Phenol-d6	6.62	99	1596958	133.11	ng	0.03
23) Nitrobenzene-d5	7.54	82	765960	73.17	ng	0.00
41) 2,4,6-Tribromophenol	10.83	330	204454	108.06	ng	0.01
44) 2-Fluorobiphenyl	9.36	172	1442921	96.10	ng	0.00
78) Terphenyl-d14	13.12	244	975361	82.19	ng	0.00

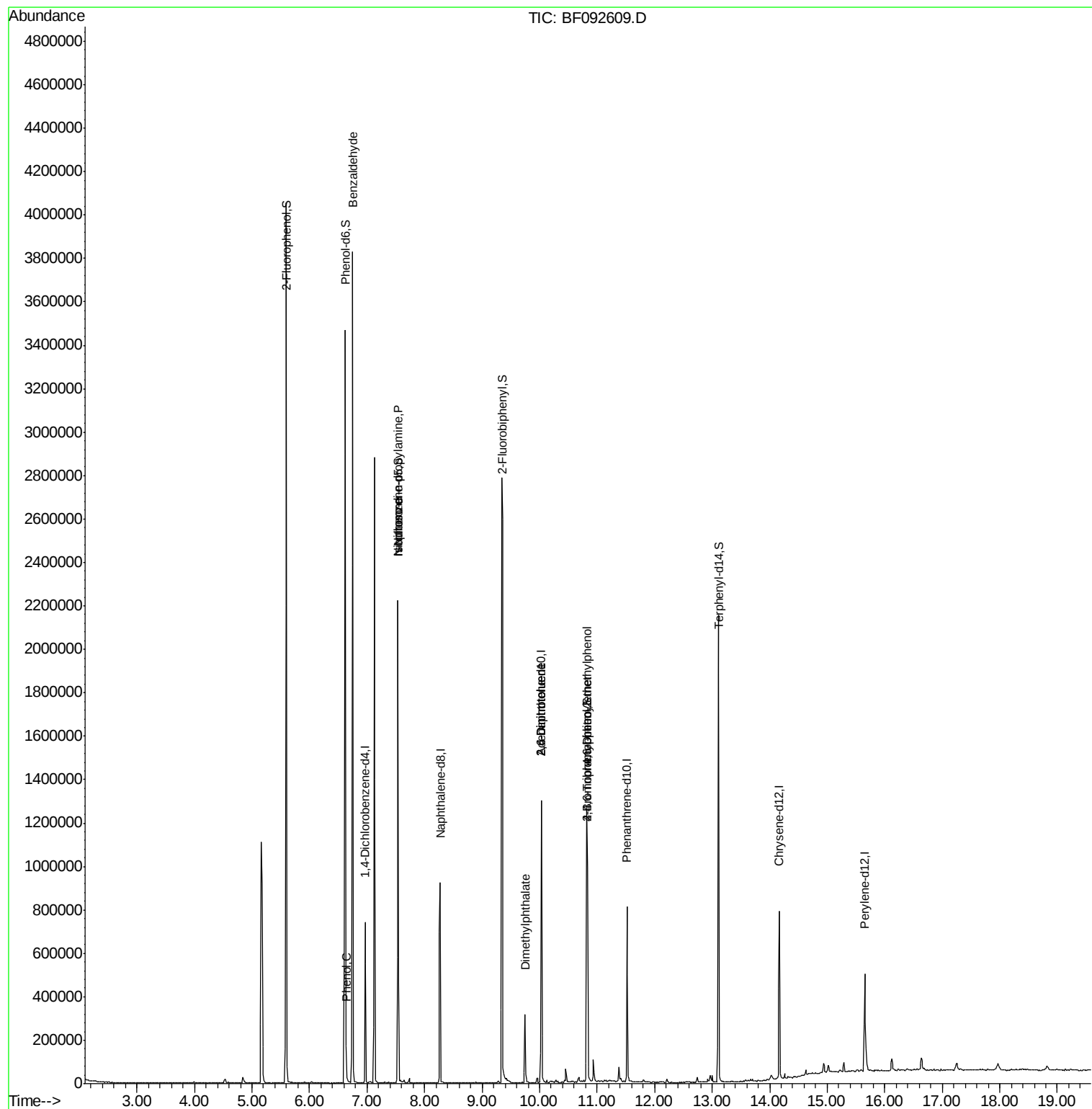
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	26265	3.08	ng	84
10) Phenol	6.64	94	52312	3.61	ng	# 61
19) n-Nitroso-di-n-propylamine	7.54	70	103376	12.65	ng	# 82
25) Isophorone	7.54	82	625465	30.32	ng	# 65
49) Dimethylphthalate	9.74	163	137442	7.78	ng	99
50) 2,6-Dinitrotoluene	10.03	165	35819	9.93	ng	# 30
56) 2,4-Dinitrotoluene	10.03	165	35815	7.48	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.82	198	607	5.22	ng	# 1
66) 4-Bromophenyl-phenylether	10.83	248	13408	3.53	ng	# 1

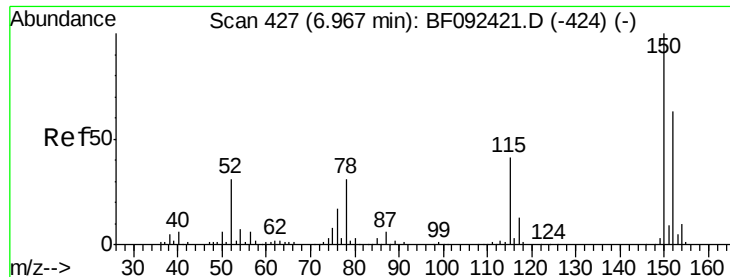
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF092609.D

Acq: 28 Jan 2017 7:01

Instrument :

BNA_F

ClientSampleId :

SB-10-COMP

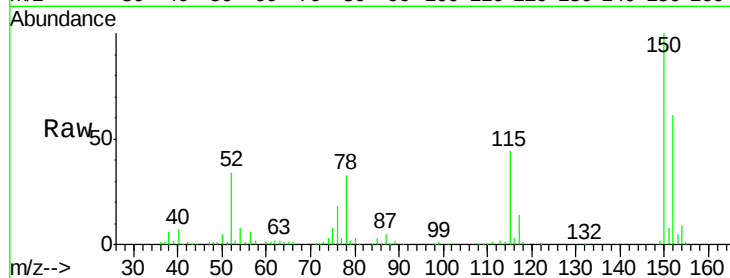
Tgt Ion:152 Resp: 146544

Ion Ratio Lower Upper

152 100

150 162.8 124.9 187.3

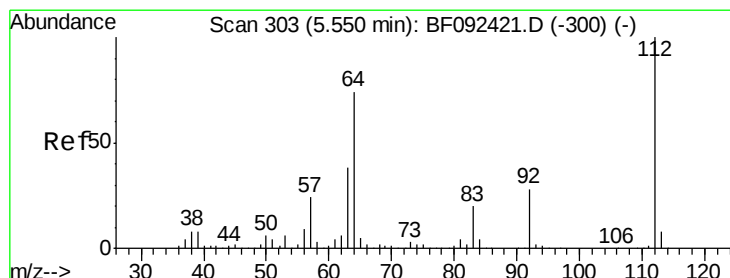
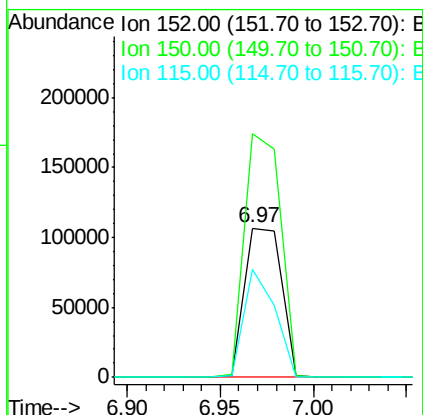
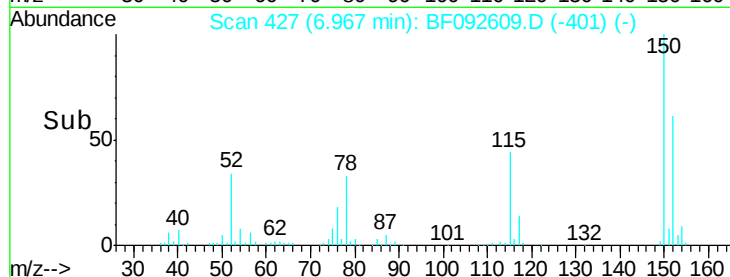
115 72.1 46.0 69.0#



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: 129.49 ng

RT: 5.60 min Scan# 307

Delta R.T. 0.05 min

Lab File: BF092609.D

Acq: 28 Jan 2017 7:01

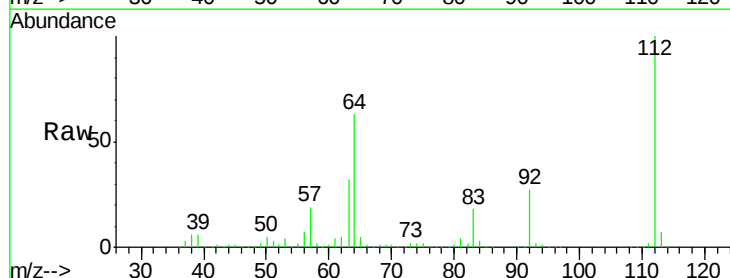
Tgt Ion:112 Resp: 1219627

Ion Ratio Lower Upper

112 100

64 63.1 46.1 69.1

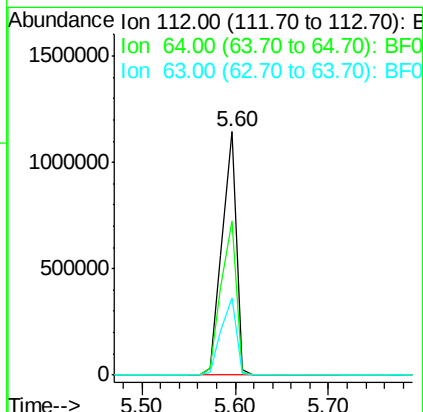
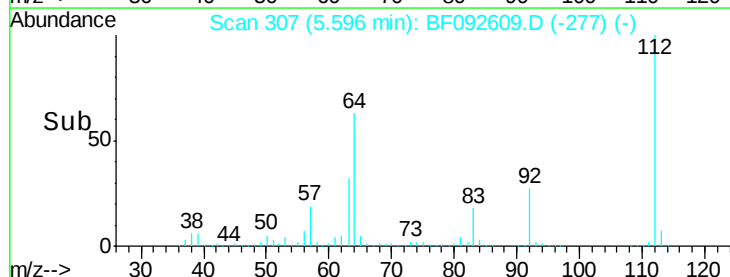
63 31.8 23.8 35.6

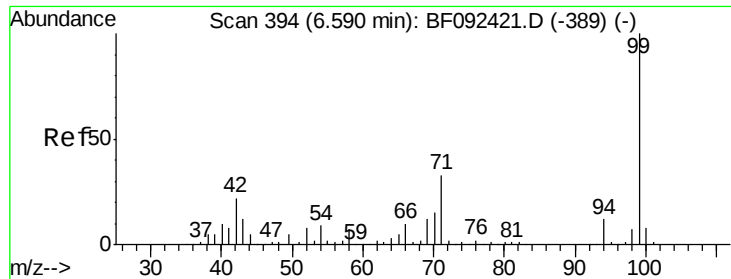


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 133.11 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.03 min

Lab File: BF092609.D

Acq: 28 Jan 2017 7:01

Instrument :

BNA_F

ClientSampleId :

SB-10-COMP

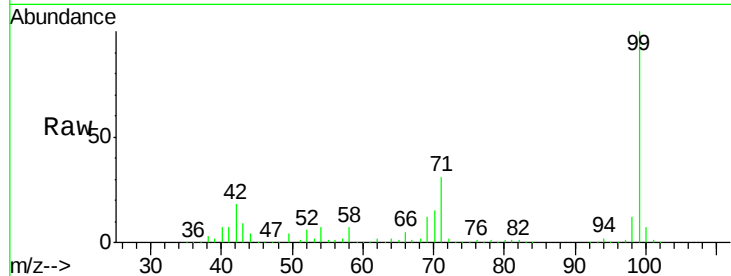
Tgt Ion: 99 Resp: 1596958

Ion Ratio Lower Upper

99 100

42 18.3 15.6 23.4

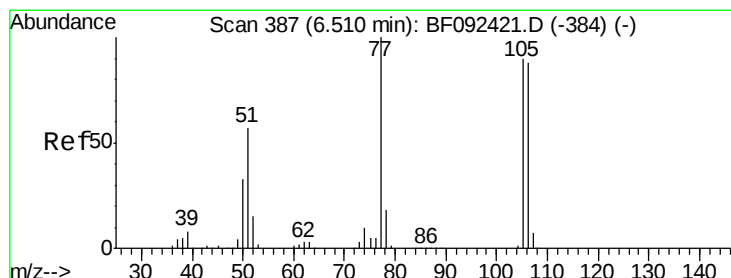
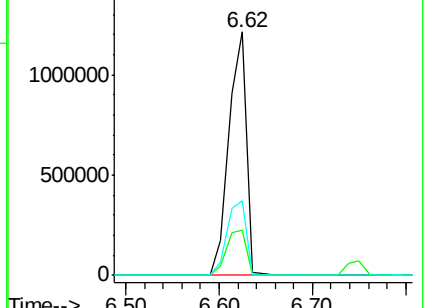
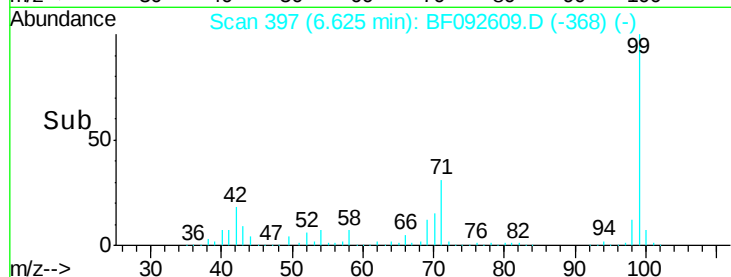
71 30.9 27.5 41.3



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



#9

Benzaldehyde

Concen: 3.08 ng

RT: 6.75 min Scan# 408

Delta R.T. 0.24 min

Lab File: BF092609.D

Acq: 28 Jan 2017 7:01

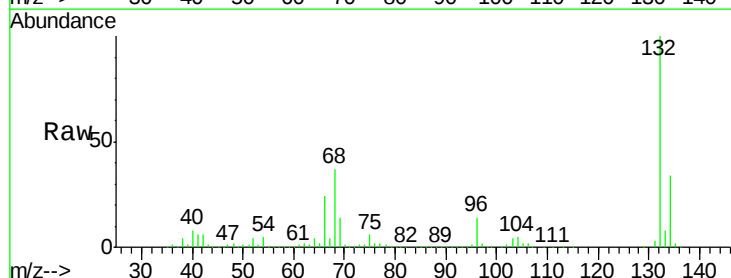
Tgt Ion: 77 Resp: 26265

Ion Ratio Lower Upper

77 100

105 86.7 83.9 123.9

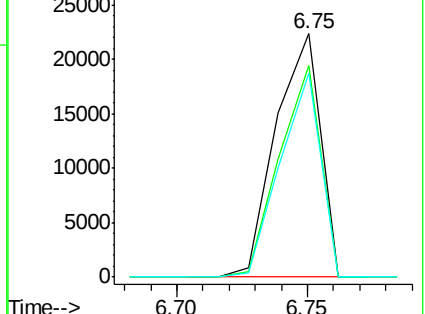
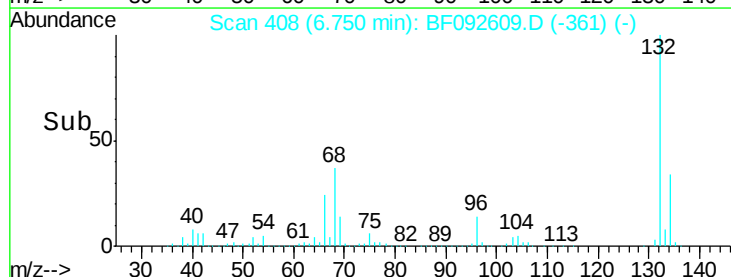
106 83.7 77.6 117.6

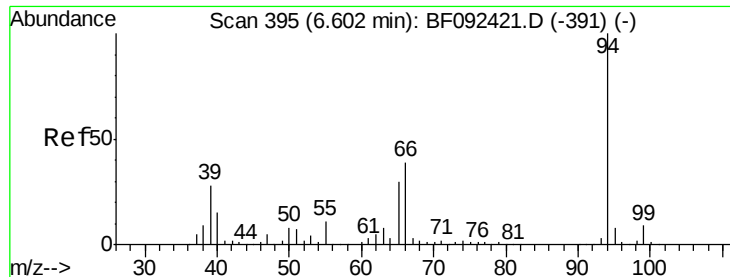


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.61 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.03 min

Lab File: BF092609.D

Acq: 28 Jan 2017 7:01

Instrument :

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SB-10-COMP

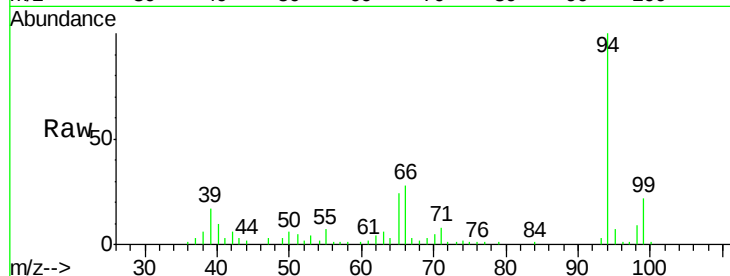
Tgt Ion: 94 Resp: 52312

Ion Ratio Lower Upper

94 100

65 23.5 21.4 61.4

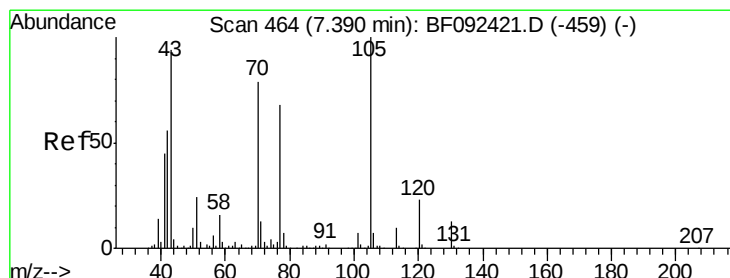
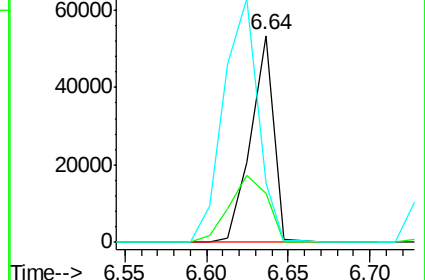
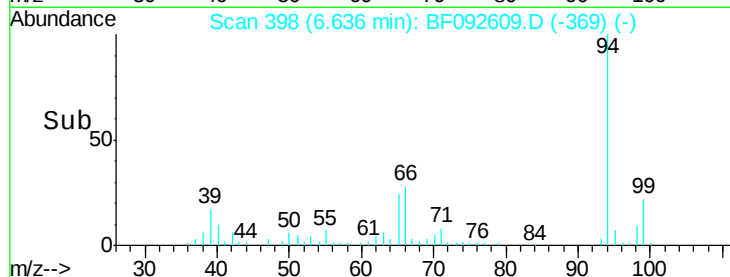
66 28.5 44.0 84.0#



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: 12.65 ng

RT: 7.54 min Scan# 477

Delta R.T. 0.15 min

Lab File: BF092609.D

Acq: 28 Jan 2017 7:01

Tgt Ion: 70 Resp: 103376

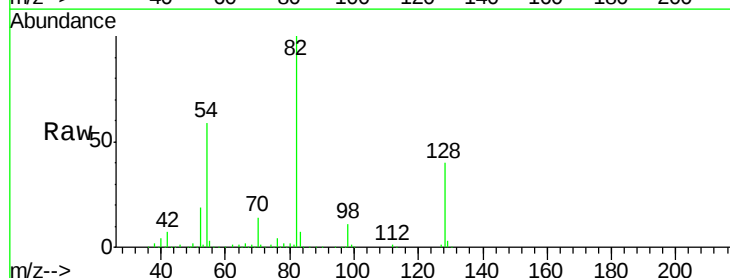
Ion Ratio Lower Upper

70 100

42 53.1 49.4 74.0

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#

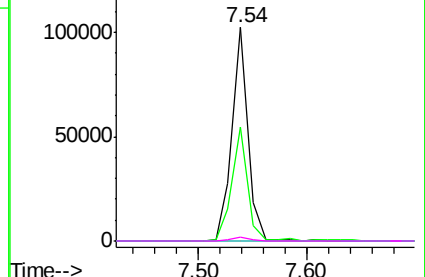
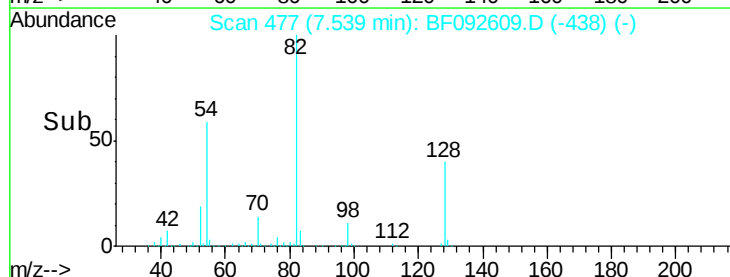


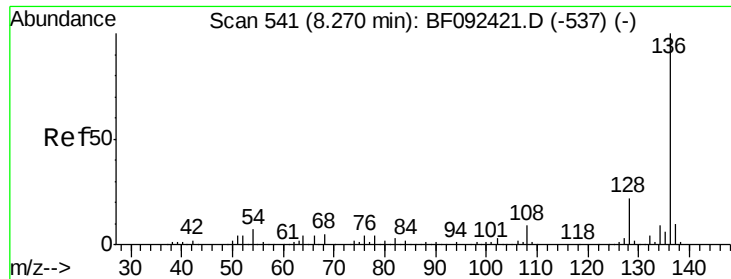
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

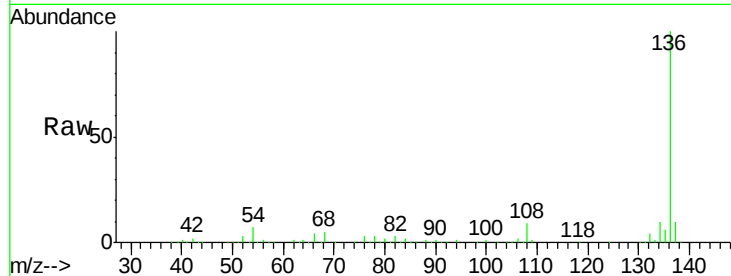




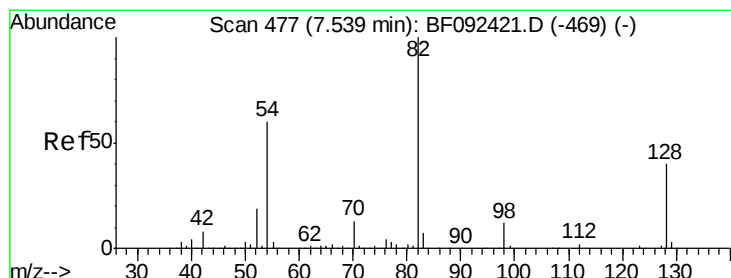
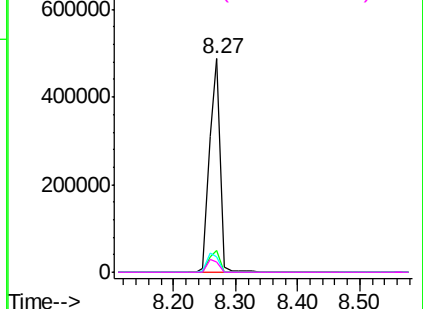
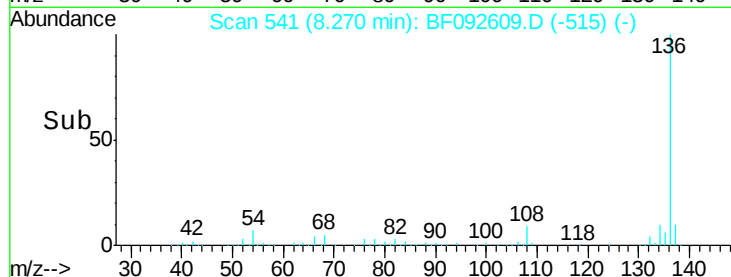
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.27 min Scan# 541
Delta R.T. 0.00 min
Lab File: BF092609.D
Acq: 28 Jan 2017 7:01

Instrument :
BNA_F
ClientSampleId :
SB-10-COMP

Tgt Ion:	136	Resp:	571803
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.4	12.6
54	7.0	4.5	6.7#
68	5.0	3.6	5.4

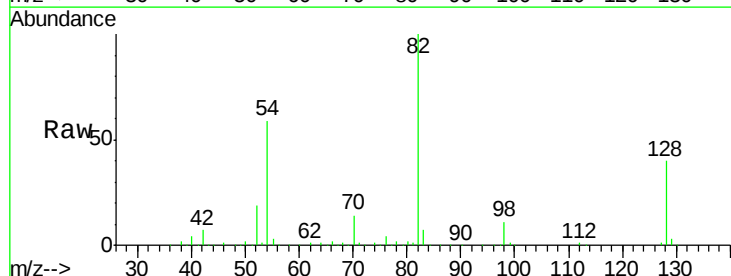


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

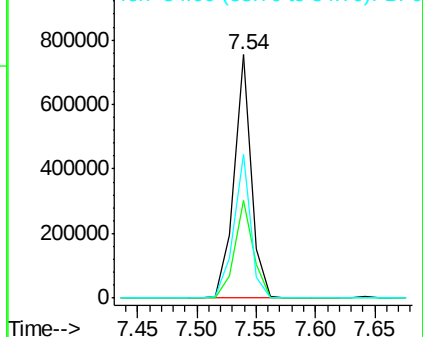
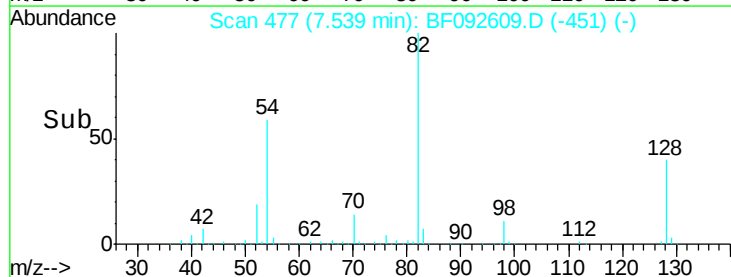


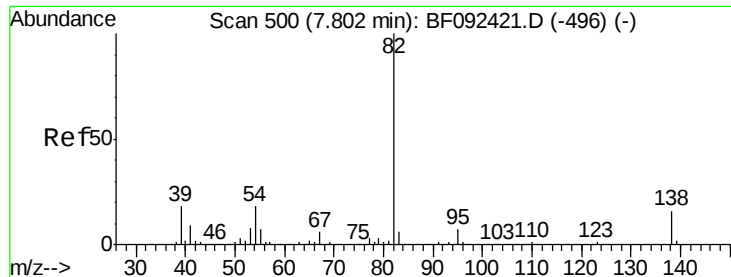
#23
Nitrobenzene-d5
Concen: 73.17 ng
RT: 7.54 min Scan# 477
Delta R.T. 0.00 min
Lab File: BF092609.D
Acq: 28 Jan 2017 7:01

Tgt Ion:	82	Resp:	765960
Ion	Ratio	Lower	Upper
82	100		
128	40.0	34.6	52.0
54	59.1	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: 30.32 ng

RT: 7.54 min Scan# 477

Delta R.T. -0.26 min

Lab File: BF092609.D

Acq: 28 Jan 2017 7:01

Instrument :

BNA_F

ClientSampleId :

SB-10-COMP

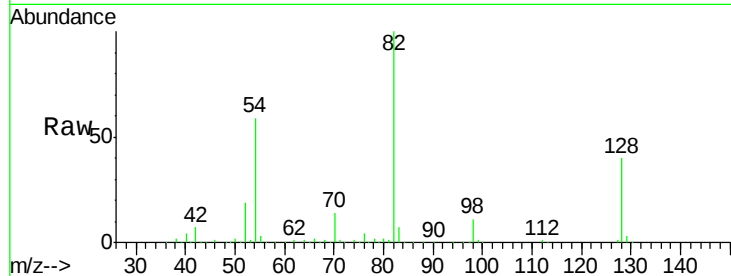
Tgt Ion: 82 Resp: 625465

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

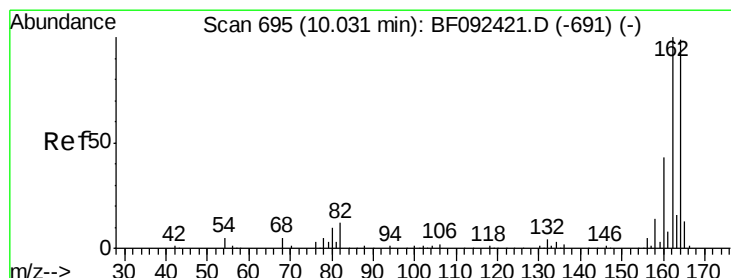
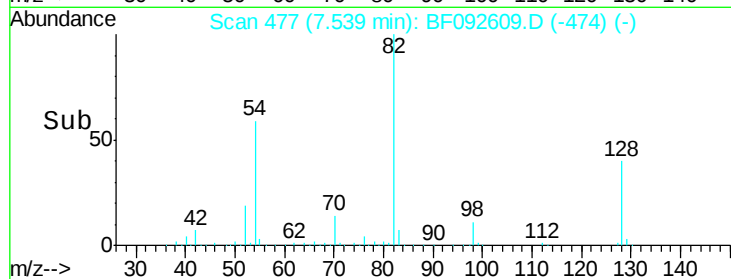
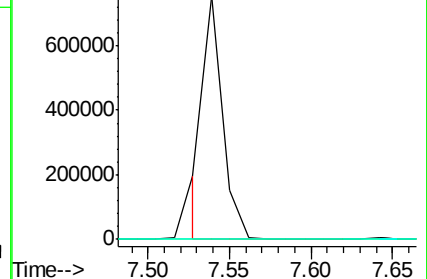
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.03 min Scan# 695

Delta R.T. 0.00 min

Lab File: BF092609.D

Acq: 28 Jan 2017 7:01

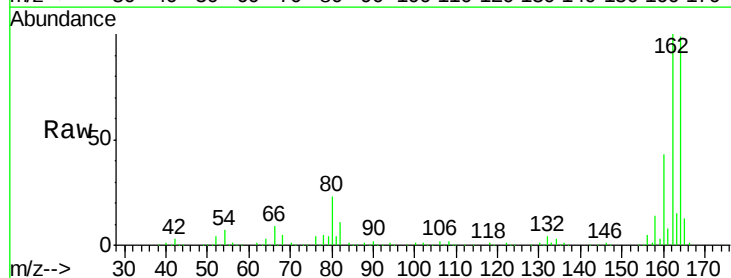
Tgt Ion: 164 Resp: 277653

Ion Ratio Lower Upper

164 100

162 101.3 80.2 120.2

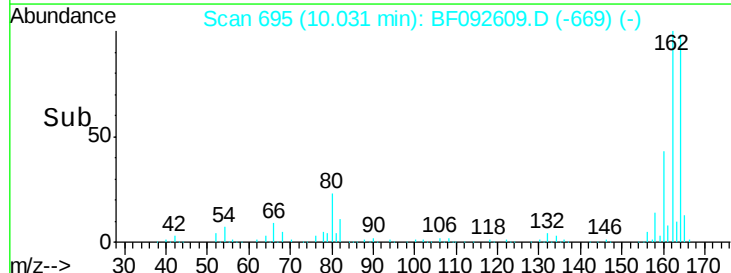
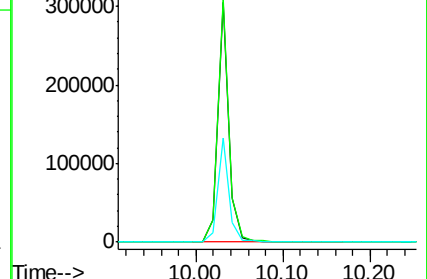
160 43.2 36.9 55.3

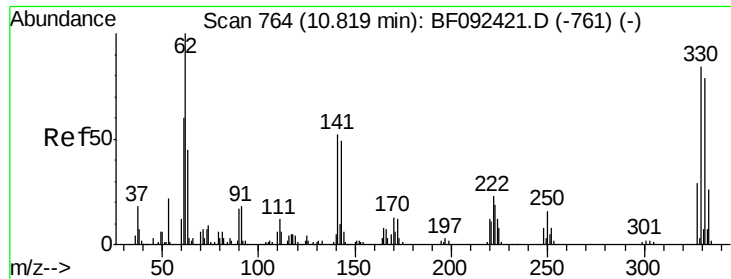


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

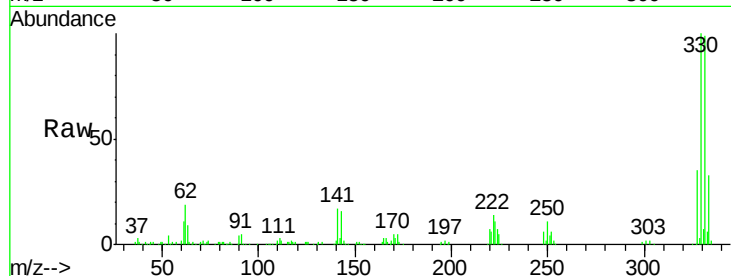




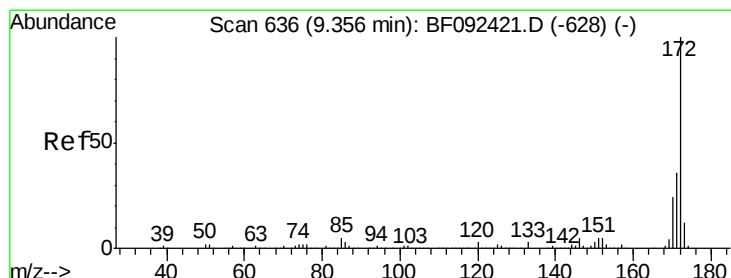
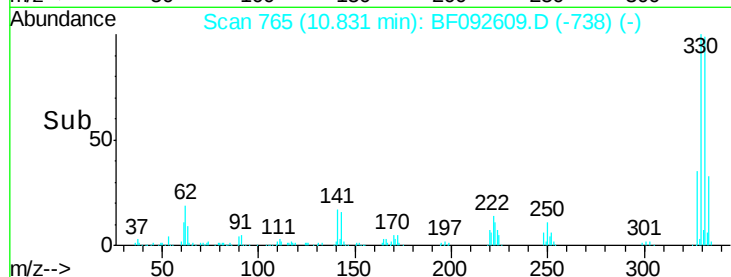
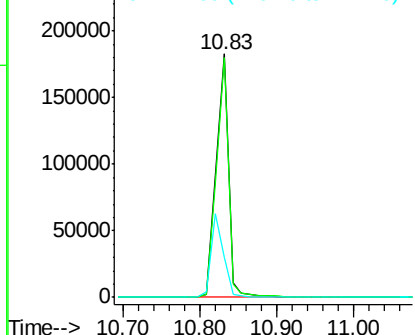
#41
 2,4,6-Tribromophenol
 Concen: 108.06 ng
 RT: 10.83 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: BF092609.D
 Acq: 28 Jan 2017 7:01

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 SB-10-COMP

Tgt Ion:330 Resp: 204454
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.4 116.2
 141 34.2 34.1 51.1

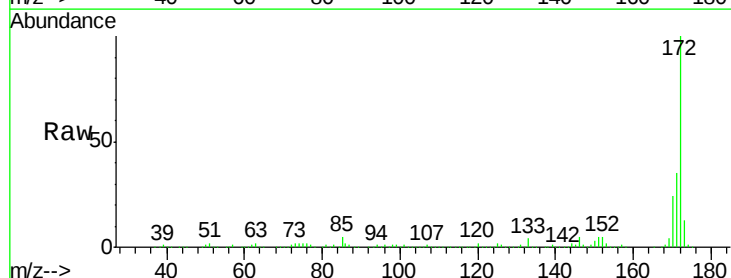


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

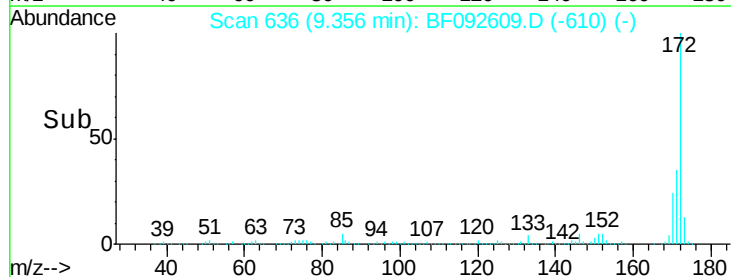
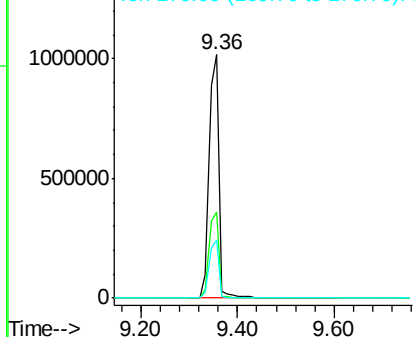


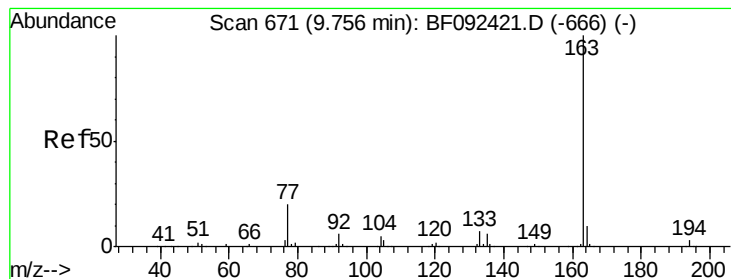
#44
 2-Fluorobiphenyl
 Concen: 96.10 ng
 RT: 9.36 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: BF092609.D
 Acq: 28 Jan 2017 7:01

Tgt Ion:172 Resp: 1442921
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.4 44.0
 170 23.7 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





#49

Dimethylphthalate

Concen: 7.78 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF092609.D

Acq: 28 Jan 2017 7:01

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BNA_F

ClientSampleId :

SB-10-COMP

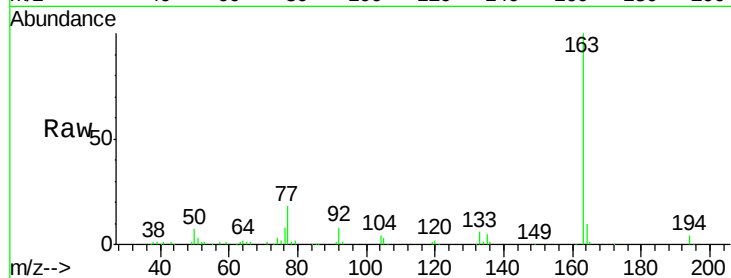
Tgt Ion:163 Resp: 137442

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

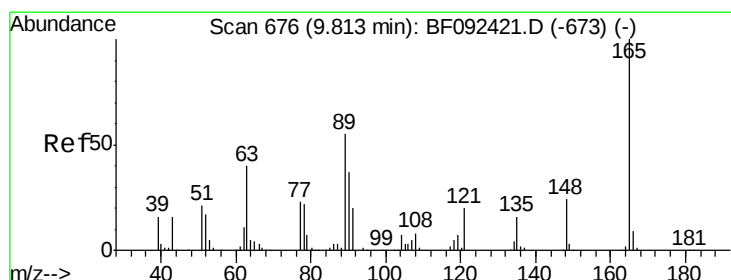
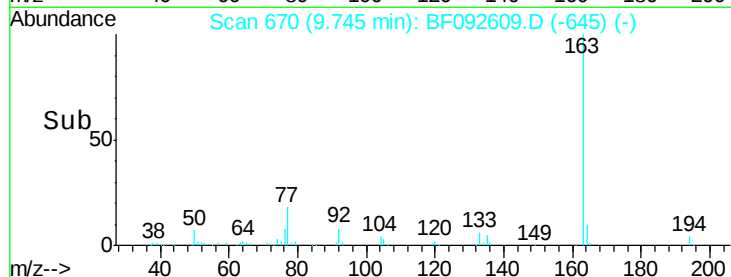
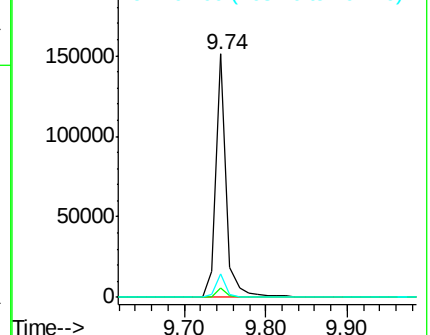
164 9.7 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 9.93 ng

RT: 10.03 min Scan# 695

Delta R.T. 0.22 min

Lab File: BF092609.D

Acq: 28 Jan 2017 7:01

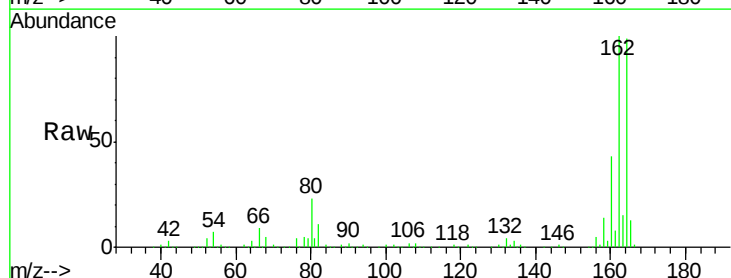
Tgt Ion:165 Resp: 35819

Ion Ratio Lower Upper

165 100

63 1.0 36.2 54.4#

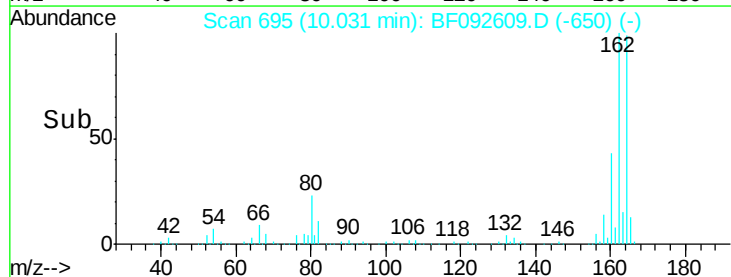
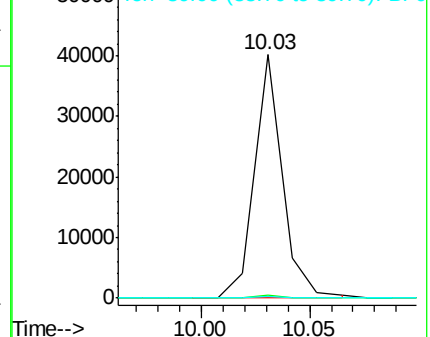
89 0.8 40.2 60.4#

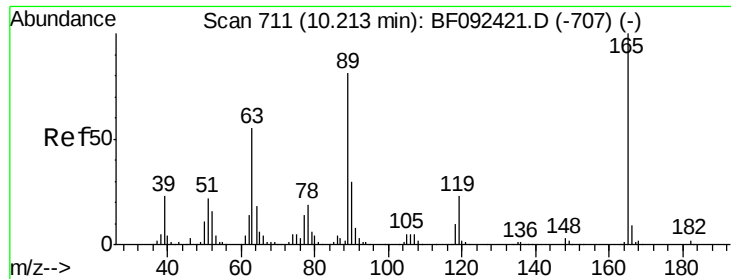


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

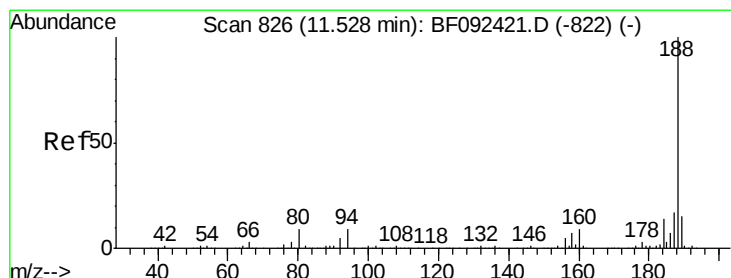
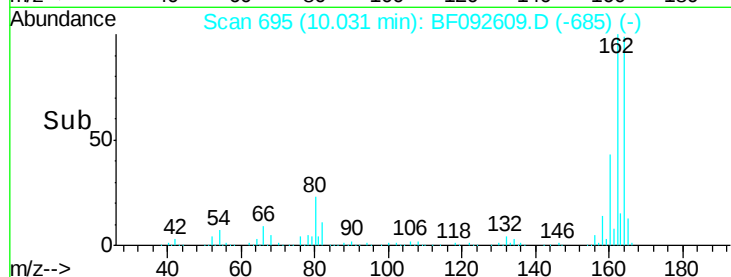
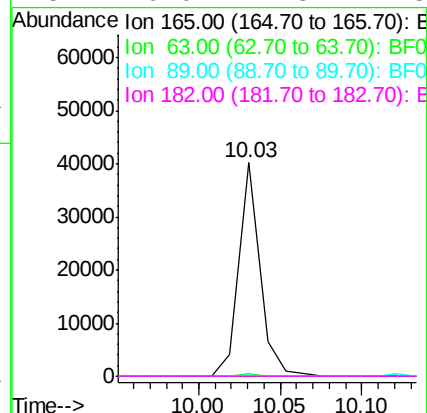
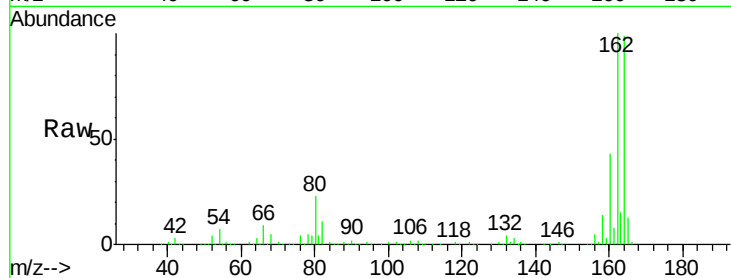




#56
 2,4-Dinitrotoluene
 Concen: 7.48 ng
 RT: 10.03 min Scan# 695
 Delta R.T. -0.18 min
 Lab File: BF092609.D
 Acq: 28 Jan 2017 7:01

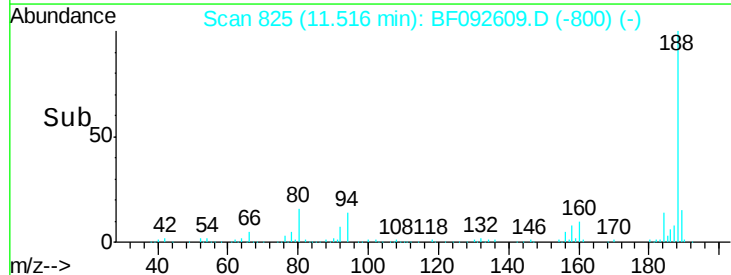
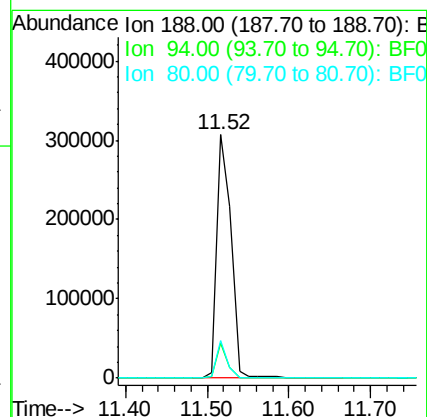
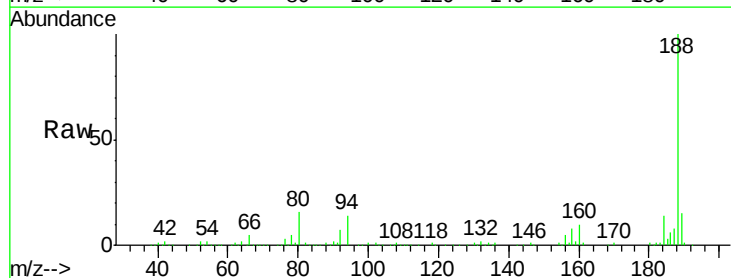
Instrument :
 BNA_F
 ClientSampleId :
 SB-10-COMP

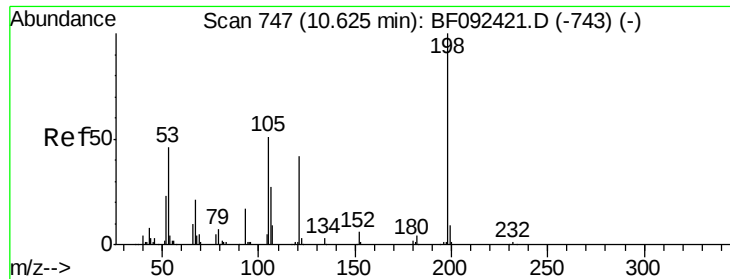
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	40.2	60.4#
89	0.8	62.5	93.7#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.52 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF092609.D
 Acq: 28 Jan 2017 7:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	14.2	10.0	15.0
80	15.6	11.2	16.8





#64

4,6-Dinitro-2-methylphenol

Concen: 5.22 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.20 min

Lab File: BF092609.D

Acq: 28 Jan 2017 7:01

Instrument :

BNA_F

ClientSampleId :

SB-10-COMP

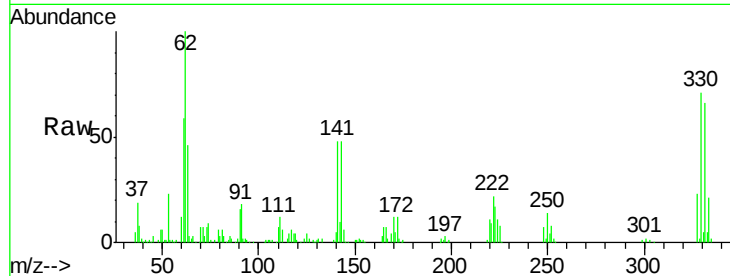
Tgt Ion:198 Resp: 607

Ion Ratio Lower Upper

198 100

51 245.6 6.7 46.7#

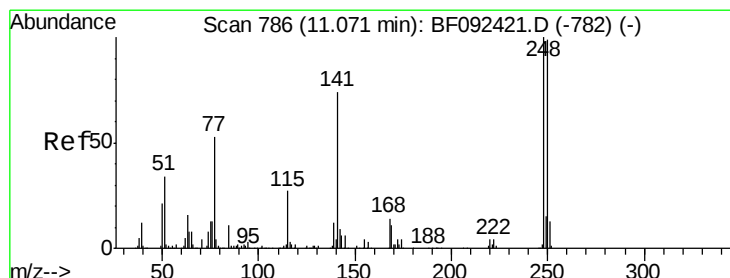
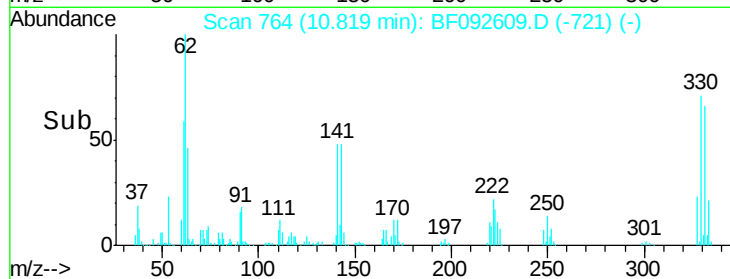
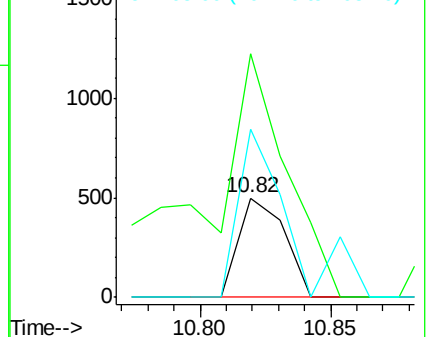
105 169.7 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.53 ng

RT: 10.83 min Scan# 765

Delta R.T. -0.24 min

Lab File: BF092609.D

Acq: 28 Jan 2017 7:01

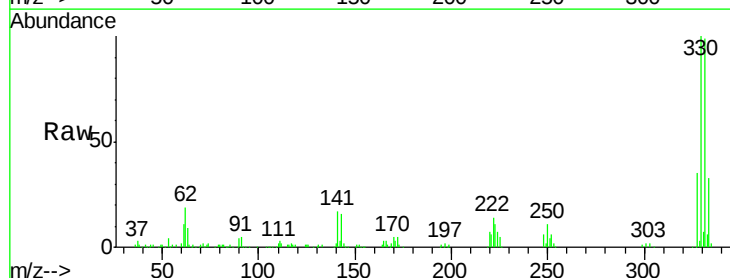
Tgt Ion:248 Resp: 13408

Ion Ratio Lower Upper

248 100

250 204.8 76.9 115.3#

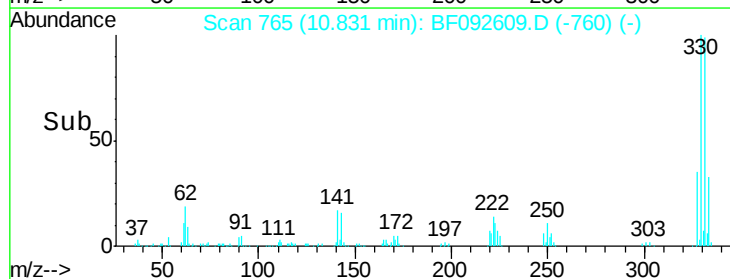
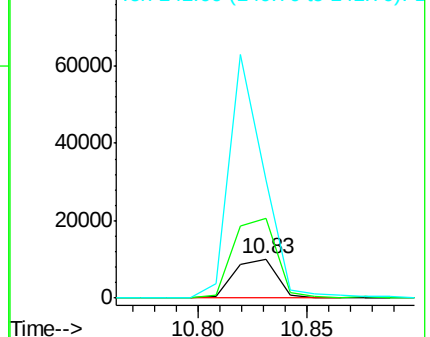
141 302.6 68.2 102.4#

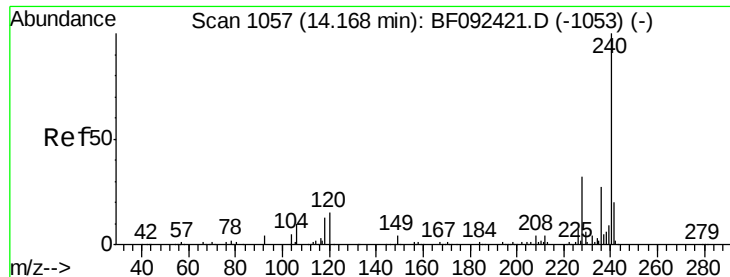


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.17 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BF092609.D

Acq: 28 Jan 2017 7:01

Instrument :

BNA_F

ClientSampleId :

SB-10-COMP

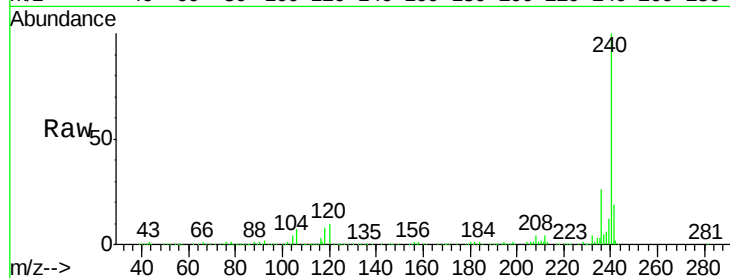
Tgt Ion:240 Resp: 315988

Ion Ratio Lower Upper

240 100

120 9.7 12.9 19.3#

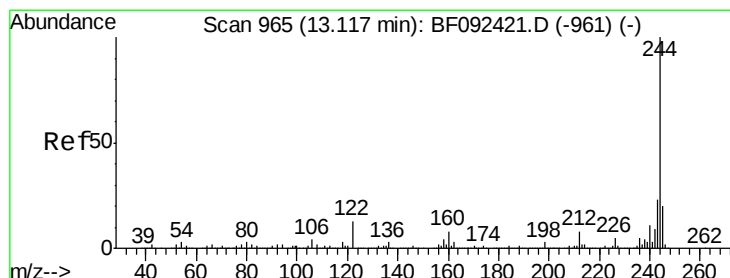
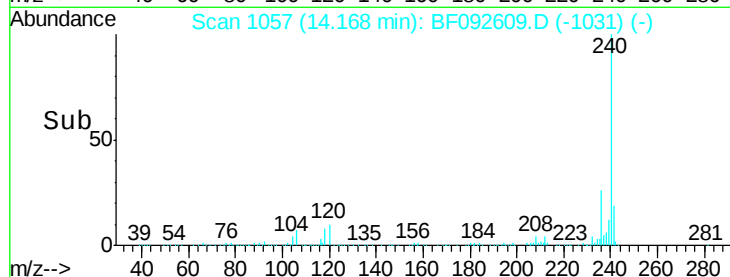
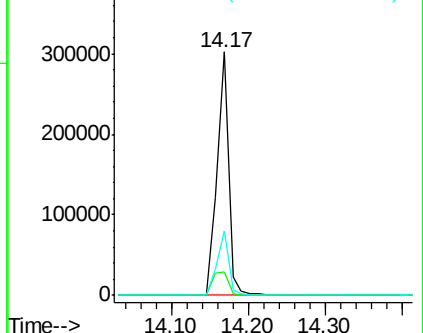
236 26.4 20.9 31.3



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



#78

Terphenyl-d14

Concen: 82.19 ng

RT: 13.12 min Scan# 965

Delta R.T. 0.00 min

Lab File: BF092609.D

Acq: 28 Jan 2017 7:01

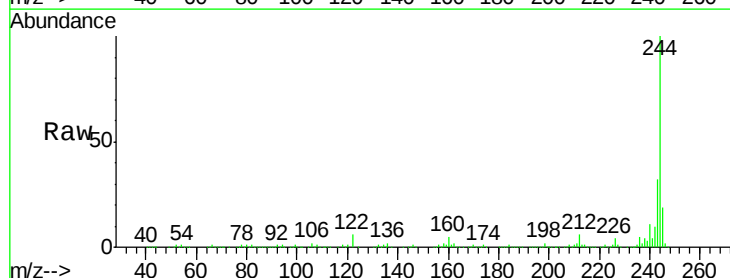
Tgt Ion:244 Resp: 975361

Ion Ratio Lower Upper

244 100

212 6.3 6.2 9.2

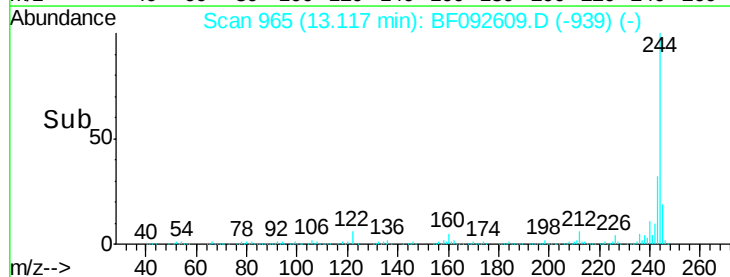
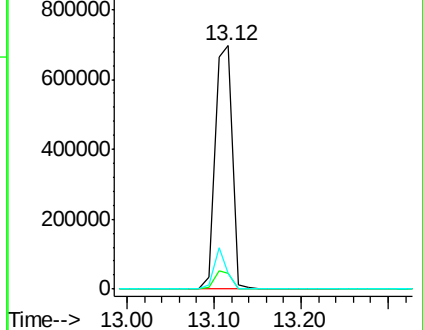
122 6.5 11.4 17.2#

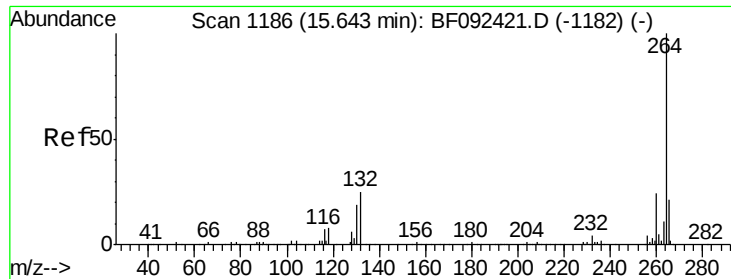


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.65 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BF092609.D
Acq: 28 Jan 2017 7:01

Instrument :
BNA_F
ClientSampleId :
SB-10-COMP

Tgt Ion: 264 Resp: 224413
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 21.0 17.4 26.0

