

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
 Data File : BF092621.D
 Acq On : 28 Jan 2017 12:28
 Operator : SJ/MA
 Sample : I1528-18
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-23-COMP

Quant Time: Jan 29 23:49:03 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	160610	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	614181	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	312194	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	410240	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	319636	20.00	ng	-0.01
86) Perylene-d12	15.64	264	226367	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1325956	128.45	ng	0.05
7) Phenol-d6	6.61	99	1650982	125.56	ng	0.02
23) Nitrobenzene-d5	7.54	82	826916	73.55	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	203209	95.52	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1468067	86.96	ng	-0.01
78) Terphenyl-d14	13.11	244	925435	77.10	ng	-0.01

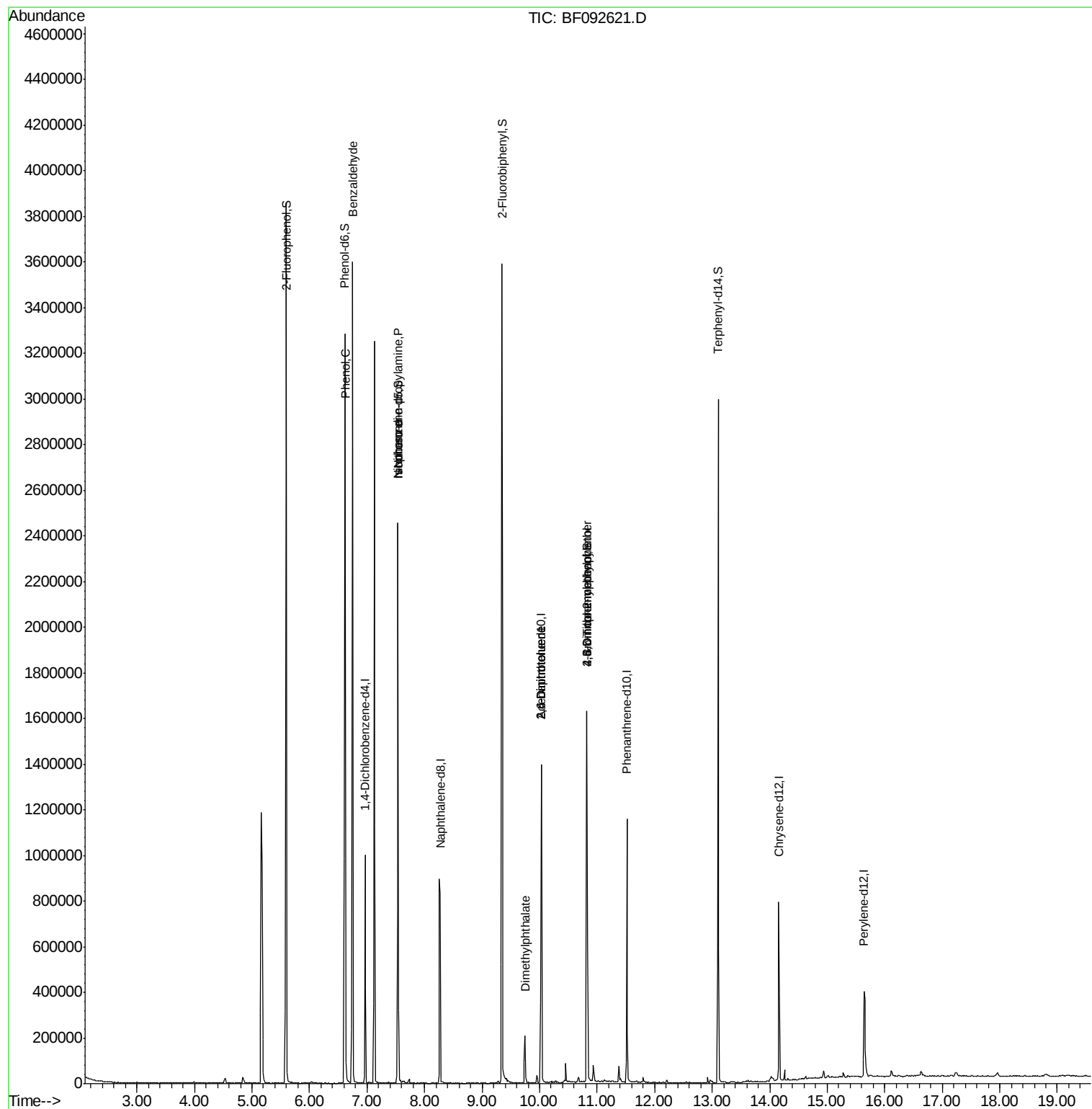
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	28206	3.02	ng	83
10) Phenol	6.62	94	48861	3.08	ng	# 37
19) n-Nitroso-di-n-propylamine	7.54	70	109151	12.19	ng	# 84
25) Isophorone	7.54	82	642393	28.99	ng	# 65
49) Dimethylphthalate	9.74	163	110443	5.56	ng	98
50) 2,6-Dinitrotoluene	10.03	165	40621	10.01	ng	# 30
56) 2,4-Dinitrotoluene	10.03	165	40617	7.54	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.82	198	278	5.06	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	13604	3.28	ng	# 1

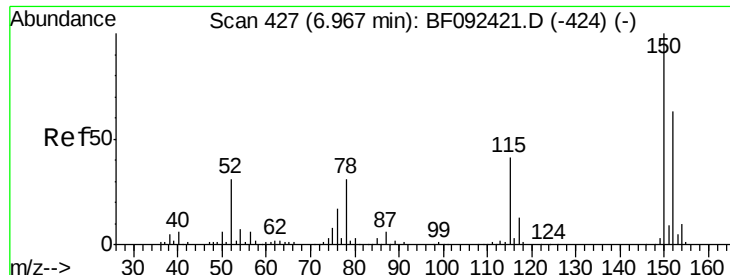
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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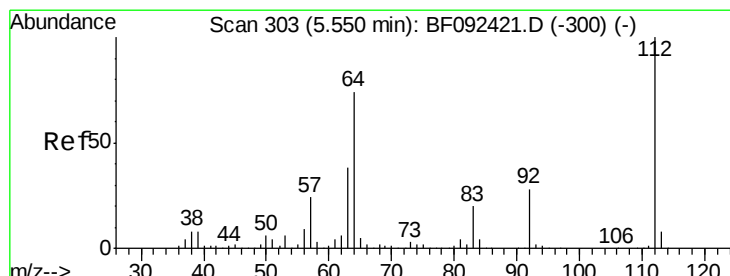
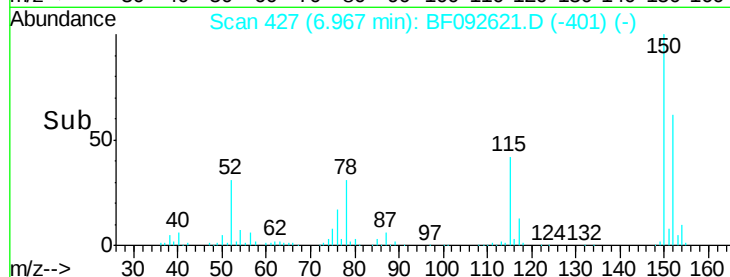
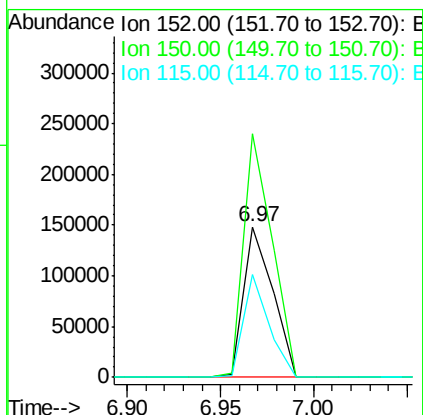
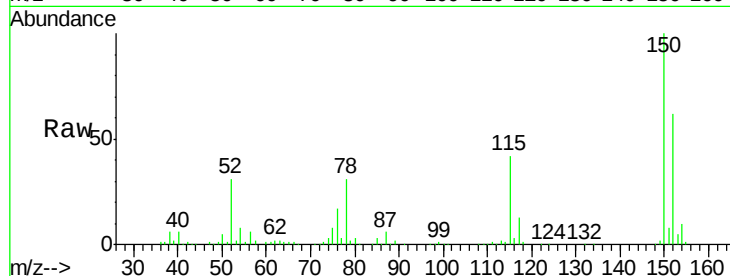




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.97 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: BF092621.D
 Acq: 28 Jan 2017 12:28

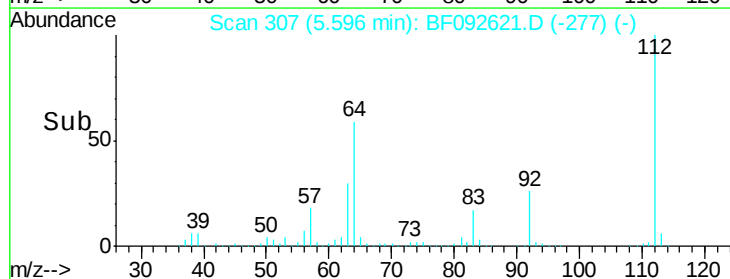
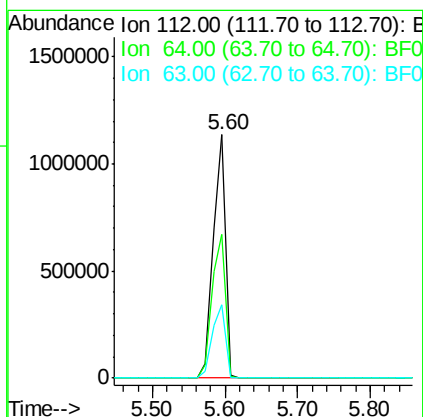
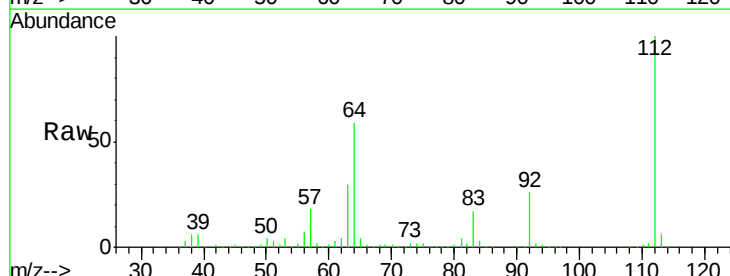
Instrument :
 BNA_F
 ClientSampleId :
 SB-23-COMP

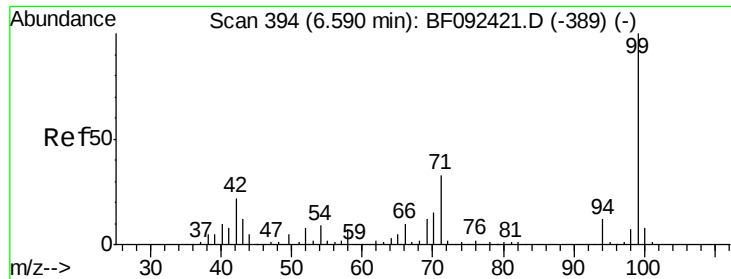
Tgt Ion:152 Resp: 160610
 Ion Ratio Lower Upper
 152 100
 150 161.6 124.9 187.3
 115 68.4 46.0 69.0



#5
 2-Fluorophenol
 Concen: 128.45 ng
 RT: 5.60 min Scan# 307
 Delta R.T. 0.05 min
 Lab File: BF092621.D
 Acq: 28 Jan 2017 12:28

Tgt Ion:112 Resp: 1325956
 Ion Ratio Lower Upper
 112 100
 64 59.1 46.1 69.1
 63 29.9 23.8 35.6





#7

Phenol-d6

Concen: 125.56 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.02 min

Lab File: BF092621.D

Acq: 28 Jan 2017 12:28

Instrument :

BNA_F

ClientSampleId :

SB-23-COMP

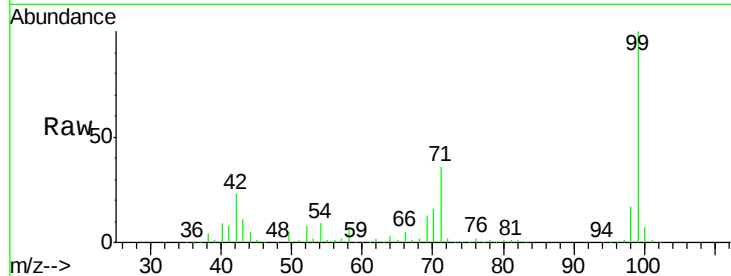
Tgt Ion: 99 Resp: 1650982

Ion Ratio Lower Upper

99 100

42 22.5 15.6 23.4

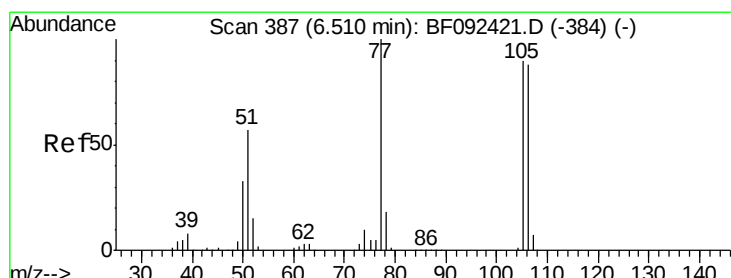
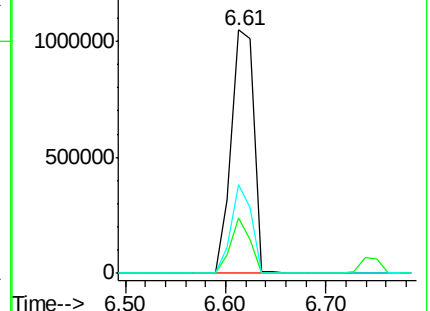
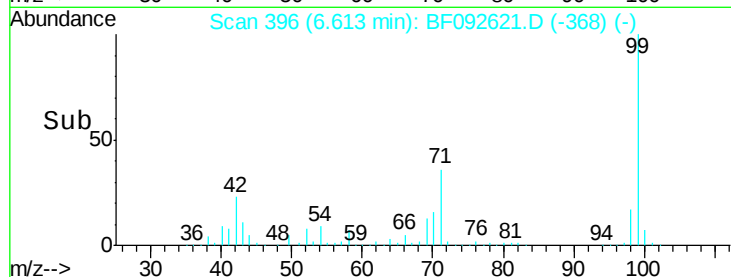
71 36.4 27.5 41.3



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: 3.02 ng

RT: 6.75 min Scan# 408

Delta R.T. 0.24 min

Lab File: BF092621.D

Acq: 28 Jan 2017 12:28

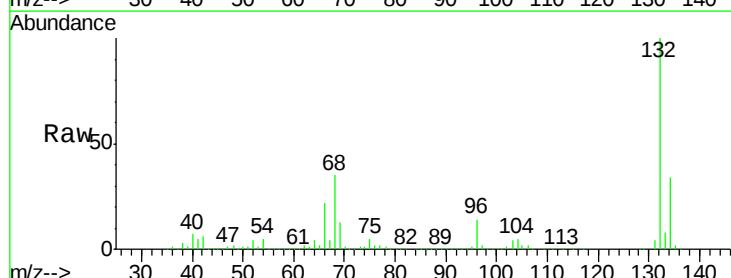
Tgt Ion: 77 Resp: 28206

Ion Ratio Lower Upper

77 100

105 84.9 83.9 123.9

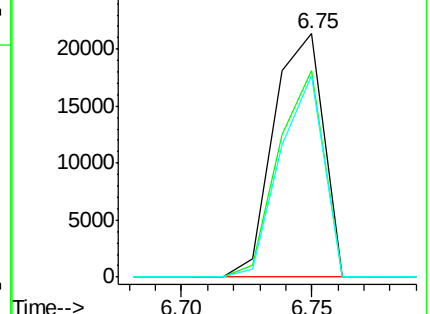
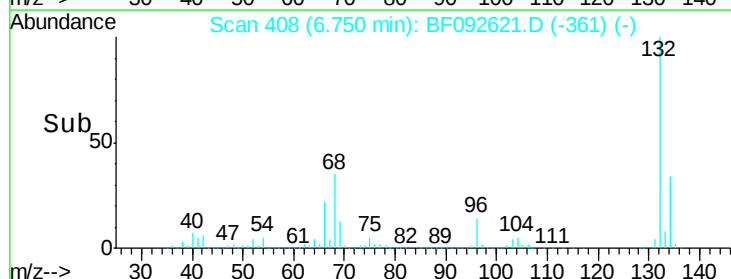
106 82.5 77.6 117.6

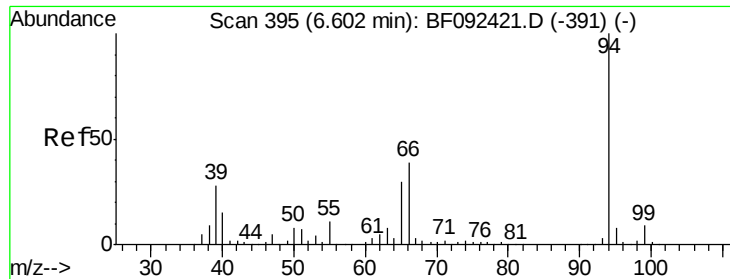


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.08 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.02 min

Lab File: BF092621.D

Acq: 28 Jan 2017 12:28

Instrument :

BNA_F

ClientSampleId :

SB-23-COMP

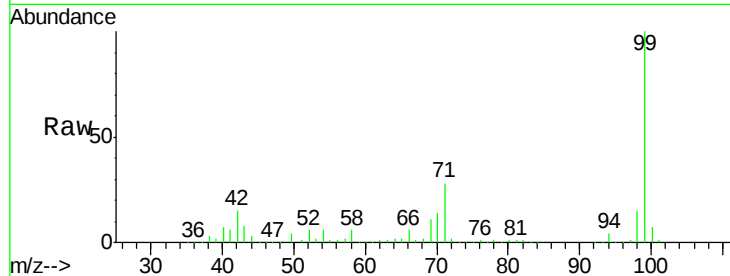
Tgt Ion: 94 Resp: 48861

Ion Ratio Lower Upper

94 100

65 53.8 21.4 61.4

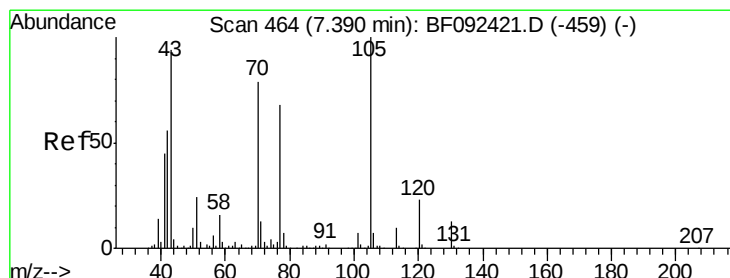
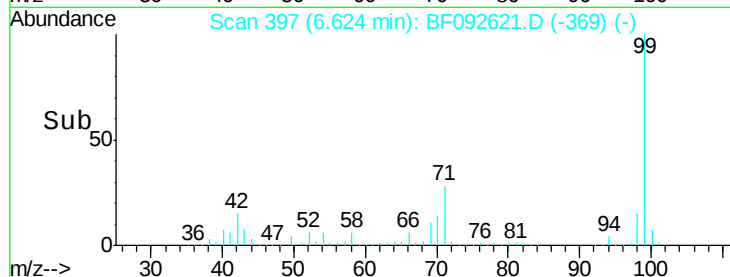
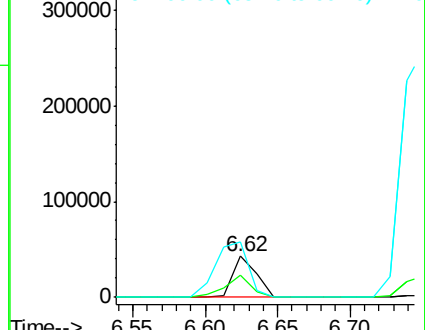
66 134.6 44.0 84.0#



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: 12.19 ng

RT: 7.54 min Scan# 477

Delta R.T. 0.15 min

Lab File: BF092621.D

Acq: 28 Jan 2017 12:28

Tgt Ion: 70 Resp: 109151

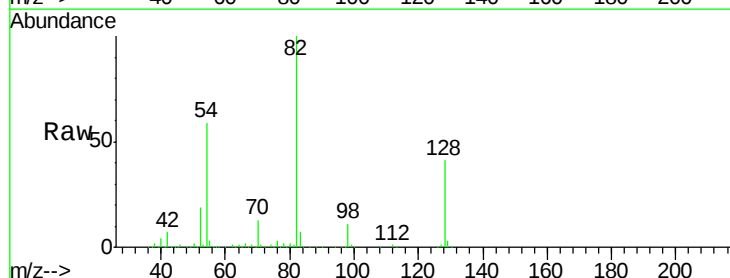
Ion Ratio Lower Upper

70 100

42 54.5 49.4 74.0

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

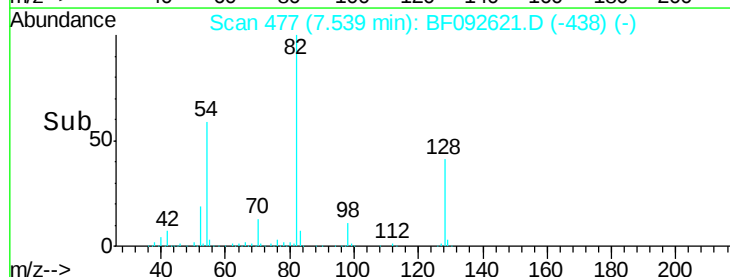
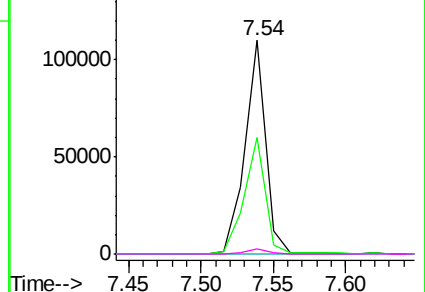


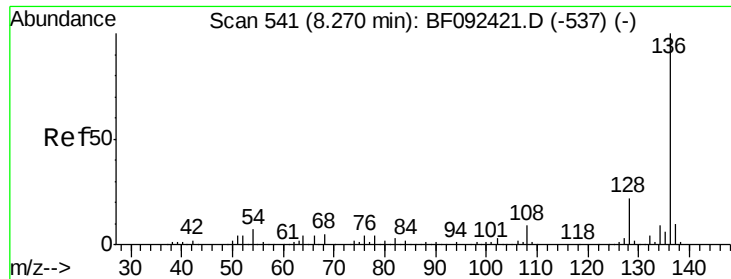
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

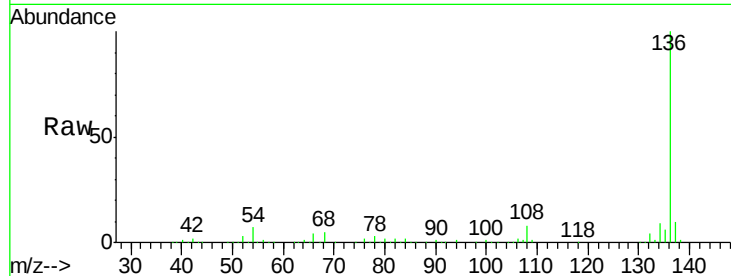




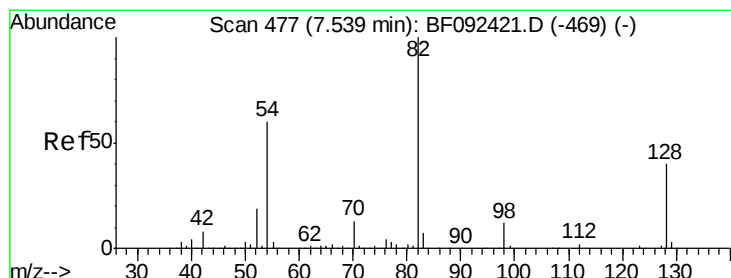
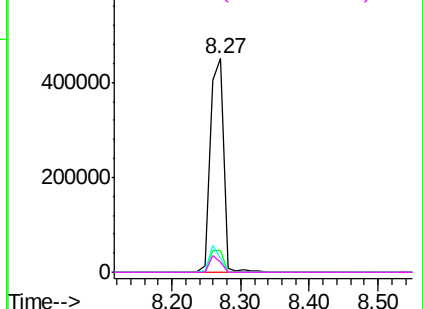
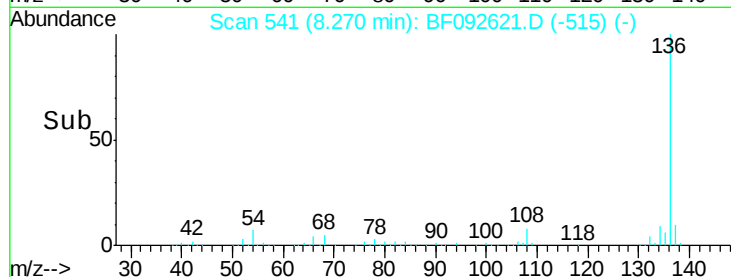
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.27 min Scan# 541
Delta R.T. -0.00 min
Lab File: BF092621.D
Acq: 28 Jan 2017 12:28

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BNA_F
ClientSampleId :
SB-23-COMP

Tgt Ion: 136 Resp: 614181
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 6.6 4.5 6.7
68 4.8 3.6 5.4

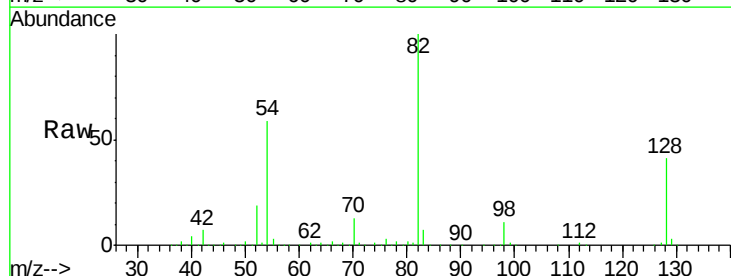


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

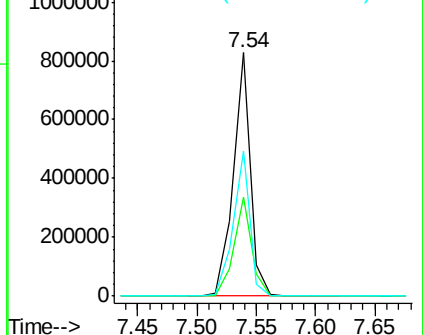
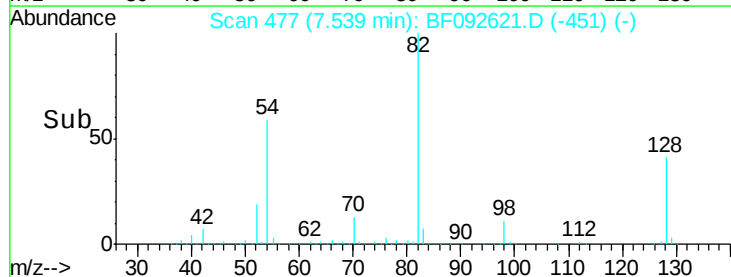


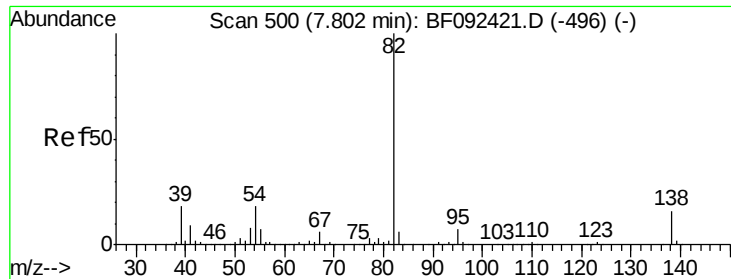
#23
Nitrobenzene-d5
Concen: 73.55 ng
RT: 7.54 min Scan# 477
Delta R.T. -0.00 min
Lab File: BF092621.D
Acq: 28 Jan 2017 12:28

Tgt Ion: 82 Resp: 826916
Ion Ratio Lower Upper
82 100
128 40.9 34.6 52.0
54 59.3 39.5 59.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 28.99 ng

RT: 7.54 min Scan# 477

Delta R.T. -0.26 min

Lab File: BF092621.D

Acq: 28 Jan 2017 12:28

Instrument :

BNA_F

ClientSampleId :

SB-23-COMP

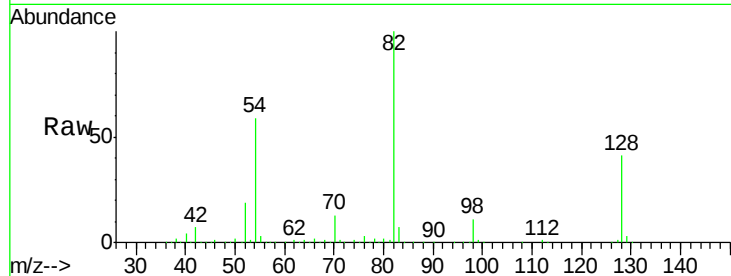
Tgt Ion: 82 Resp: 642393

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

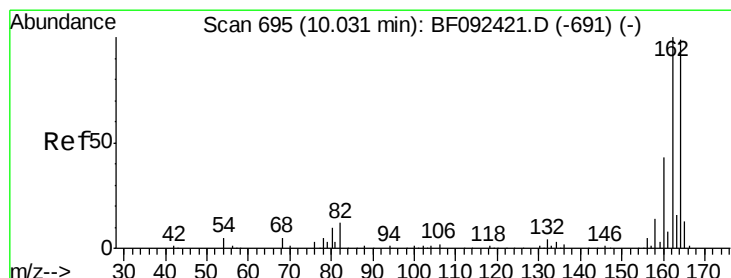
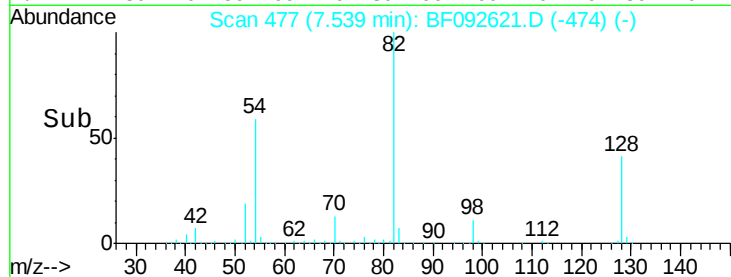
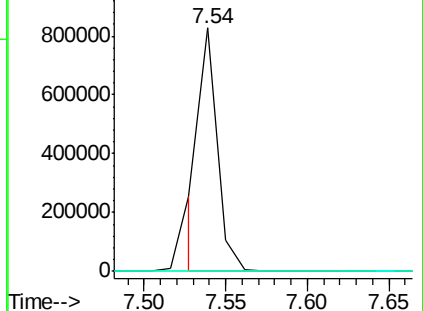
138 0.0 14.6 22.0#



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: BF092621.D

Acq: 28 Jan 2017 12:28

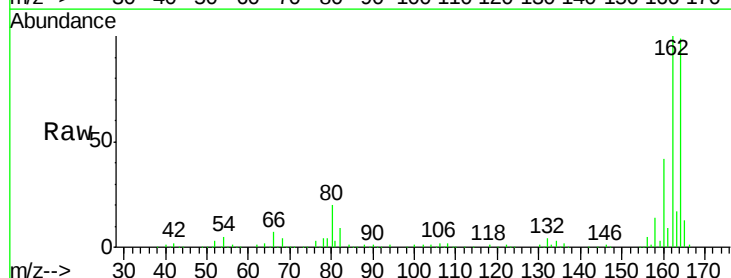
Tgt Ion: 164 Resp: 312194

Ion Ratio Lower Upper

164 100

162 100.6 80.2 120.2

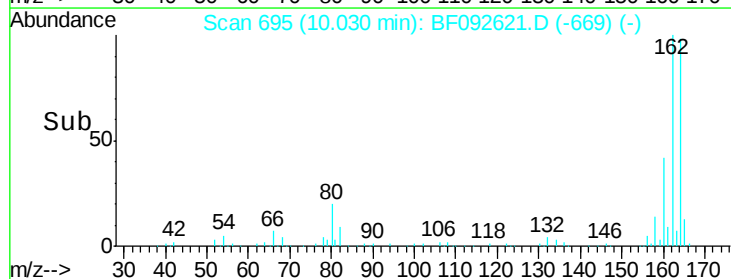
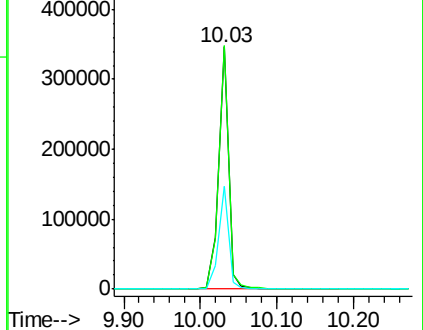
160 42.5 36.9 55.3

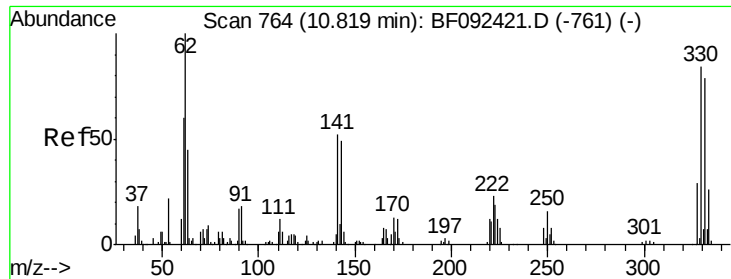


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

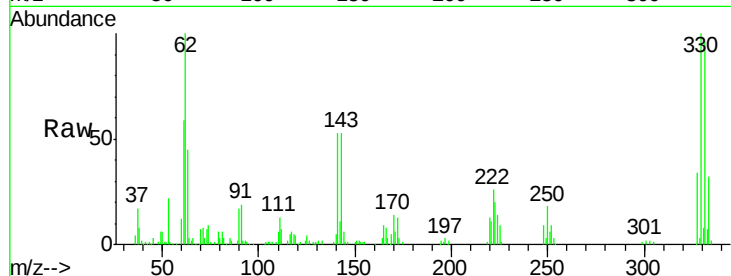




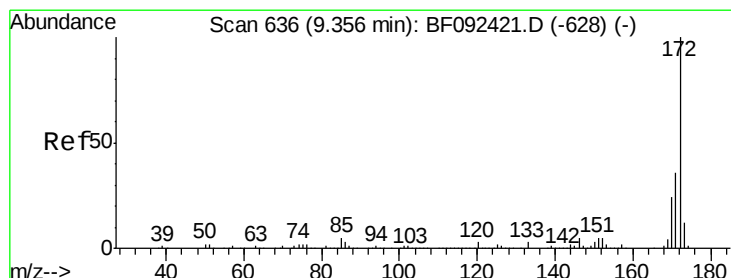
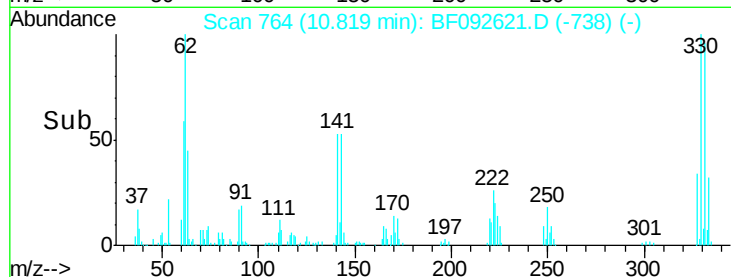
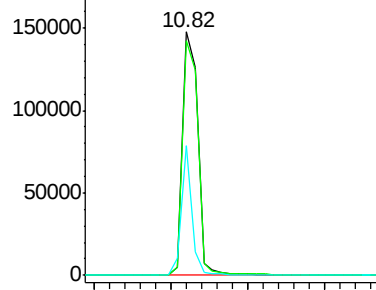
#41
 2,4,6-Tribromophenol
 Concen: 95.52 ng
 RT: 10.82 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BF092621.D
 Acq: 28 Jan 2017 12:28

Instrument :
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 SB-23-COMP

Tgt Ion: 330 Resp: 203209
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.4 116.2
 141 36.3 34.1 51.1

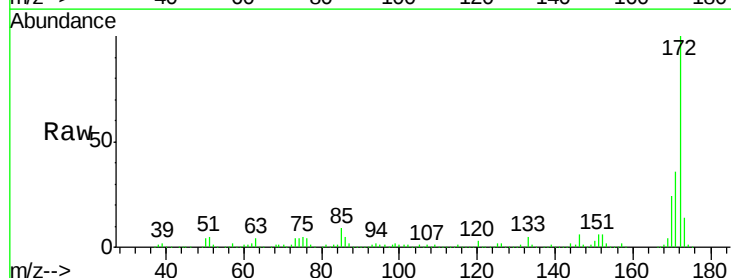


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

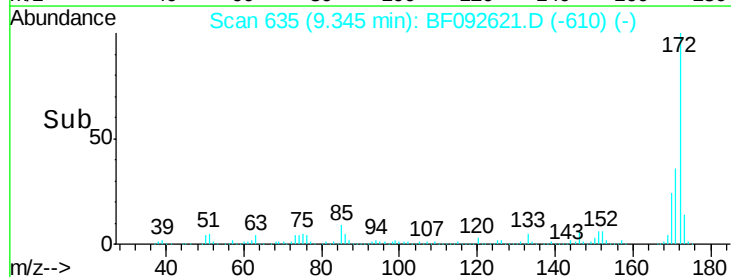
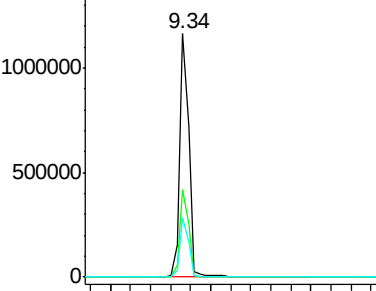


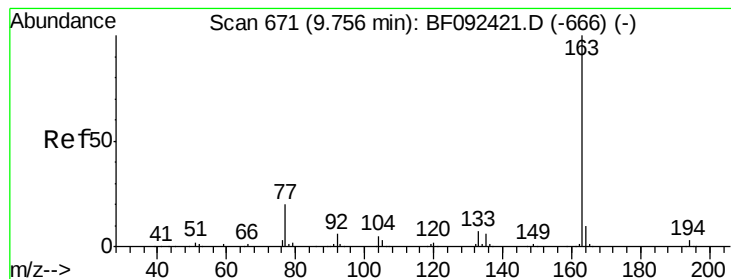
#44
 2-Fluorobiphenyl
 Concen: 86.96 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092621.D
 Acq: 28 Jan 2017 12:28

Tgt Ion: 172 Resp: 1468067
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 24.2 20.2 30.4



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





#49

Dimethylphthalate

Concen: 5.56 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF092621.D

Acq: 28 Jan 2017 12:28

Instrument :

BNA_F

ClientSampleId :

SB-23-COMP

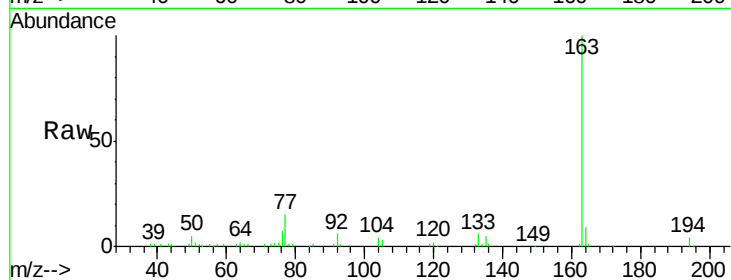
Tgt Ion:163 Resp: 110443

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.4

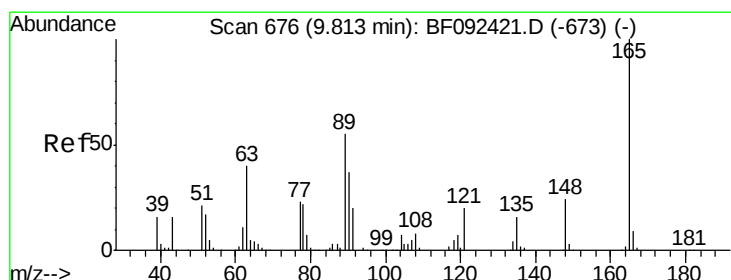
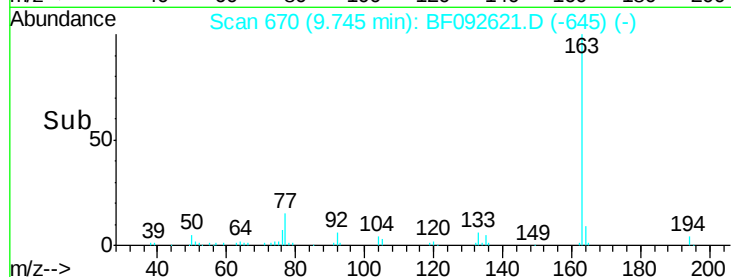
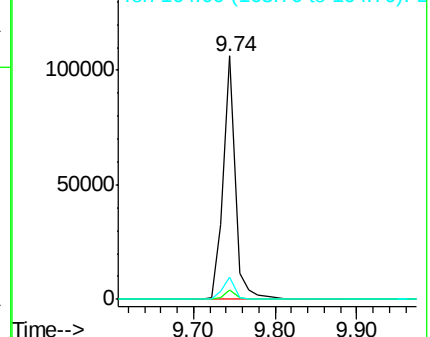
164 9.2 8.0 12.0



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: 10.01 ng

RT: 10.03 min Scan# 695

Delta R.T. 0.22 min

Lab File: BF092621.D

Acq: 28 Jan 2017 12:28

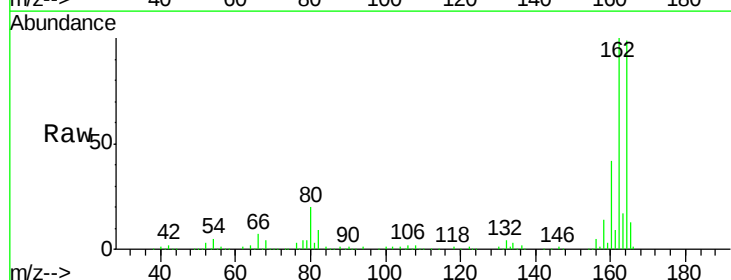
Tgt Ion:165 Resp: 40621

Ion Ratio Lower Upper

165 100

63 0.0 36.2 54.4#

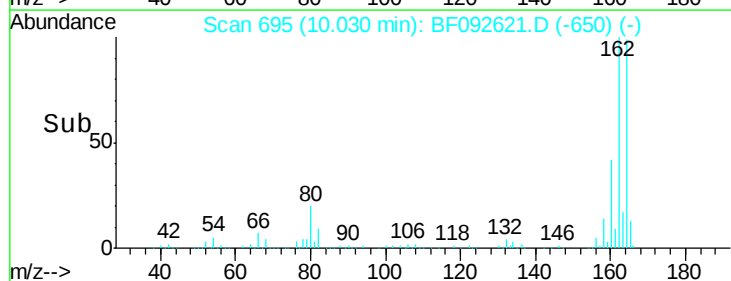
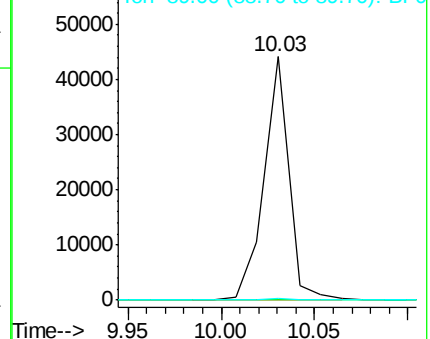
89 0.9 40.2 60.4#

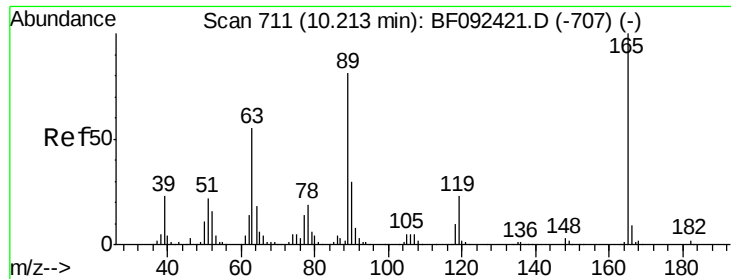


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

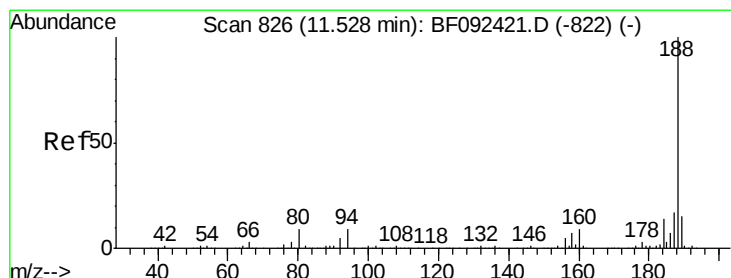
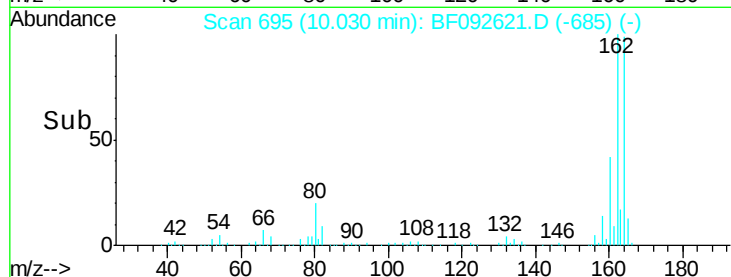
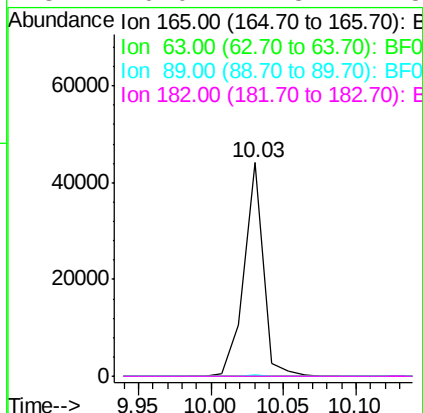
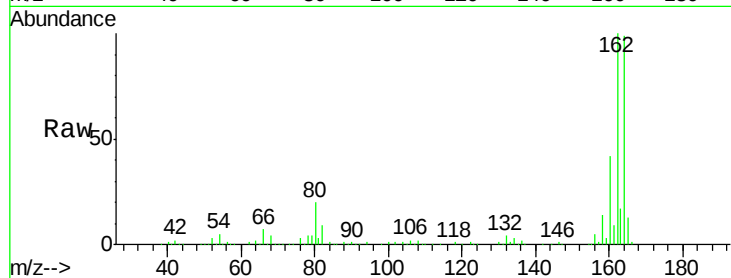




#56
2,4-Dinitrotoluene
Concen: 7.54 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.18 min
Lab File: BF092621.D
Acq: 28 Jan 2017 12:28

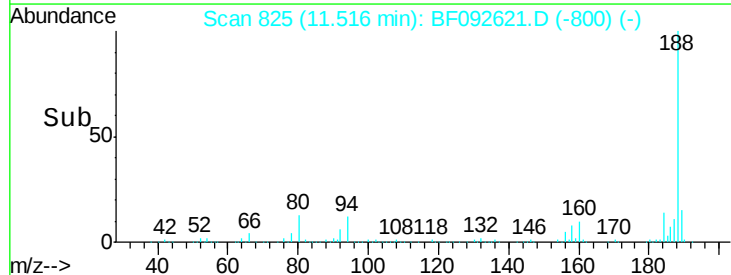
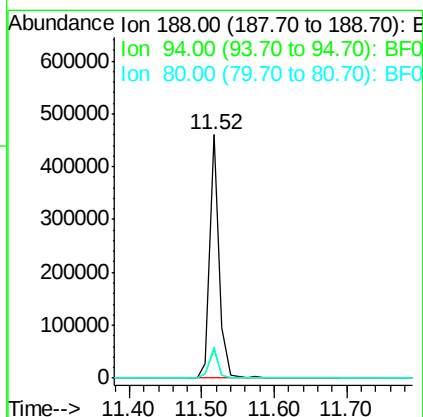
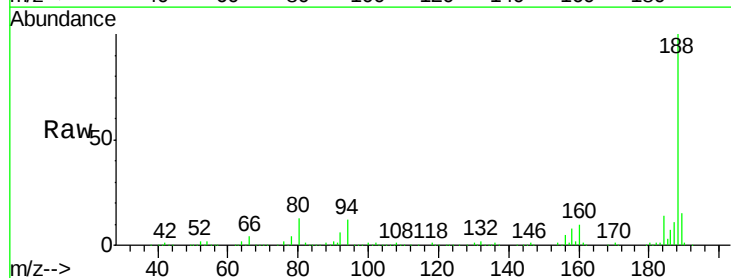
Instrument :
BNA_F
ClientSampleId :
SB-23-COMP

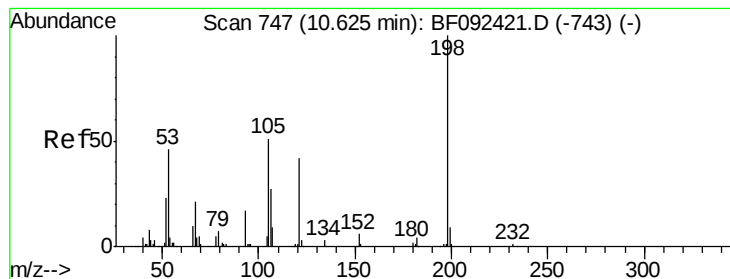
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.2	60.4#
89	0.9	62.5	93.7#
182	0.0	1.8	2.8#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092621.D
Acq: 28 Jan 2017 12:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.8	10.0	15.0
80	12.9	11.2	16.8





#64

4,6-Dinitro-2-methylphenol

Concen: 5.06 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.20 min

Lab File: BF092621.D

Acq: 28 Jan 2017 12:28

Instrument :

BNA_F

ClientSampleId :

SB-23-COMP

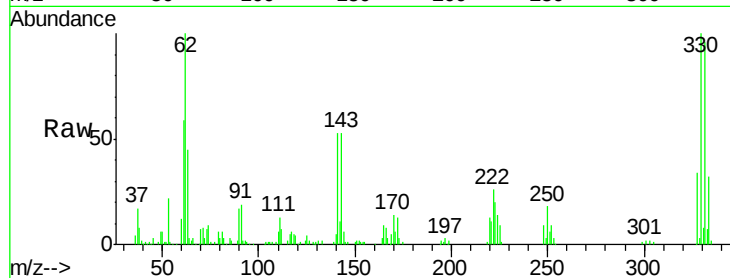
Tgt Ion:198 Resp: 278

Ion Ratio Lower Upper

198 100

51 340.0 6.7 46.7#

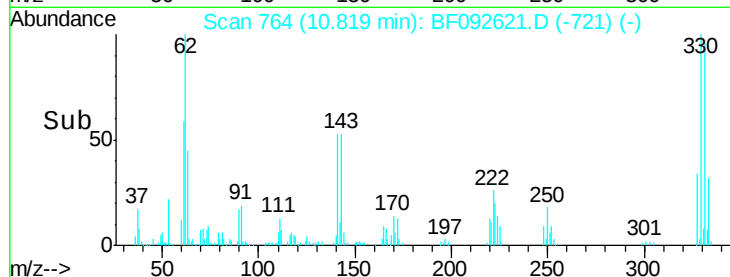
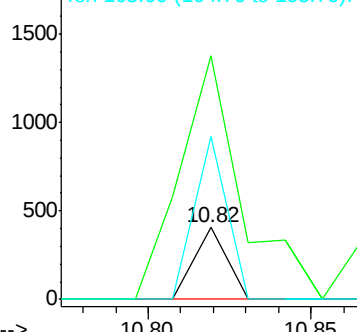
105 227.2 16.6 56.6#



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: 3.28 ng

RT: 10.82 min Scan# 764

Delta R.T. -0.25 min

Lab File: BF092621.D

Acq: 28 Jan 2017 12:28

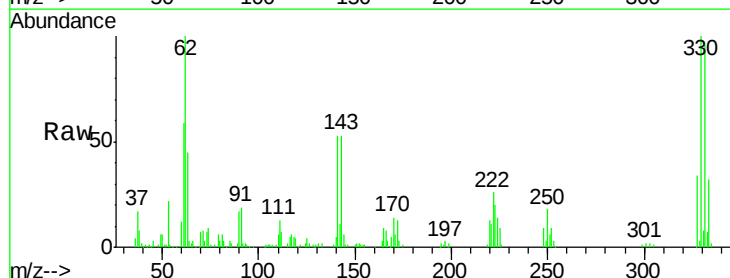
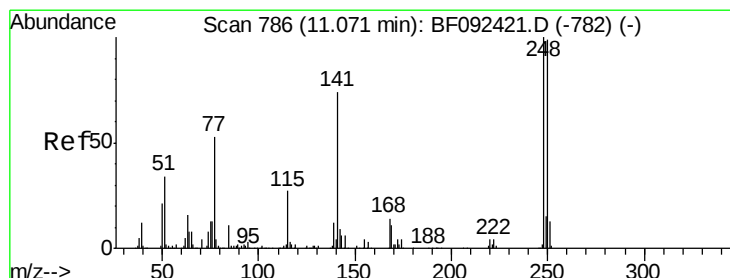
Tgt Ion:248 Resp: 13604

Ion Ratio Lower Upper

248 100

250 199.3 76.9 115.3#

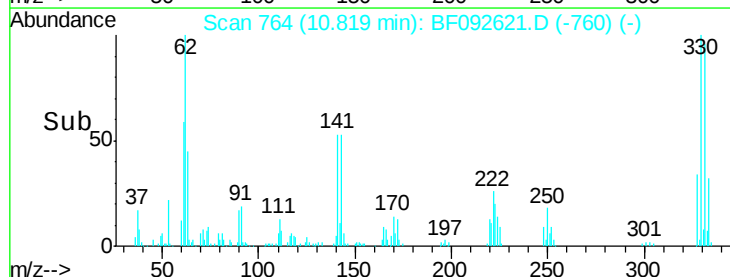
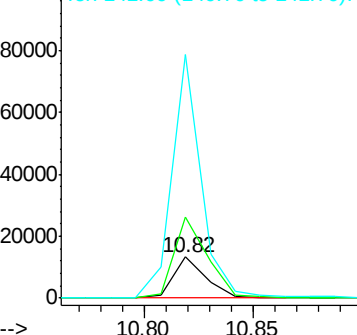
141 595.0 68.2 102.4#

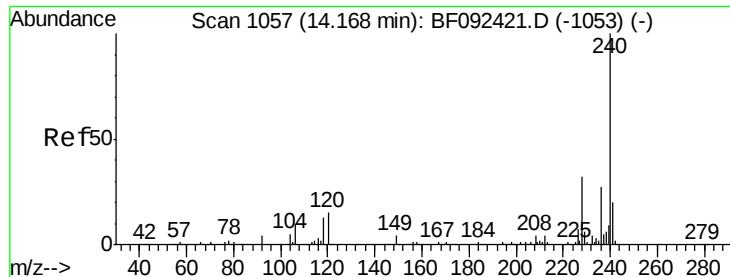


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.16 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF092621.D

Acq: 28 Jan 2017 12:28

Instrument :

BNA_F

ClientSampleId :

SB-23-COMP

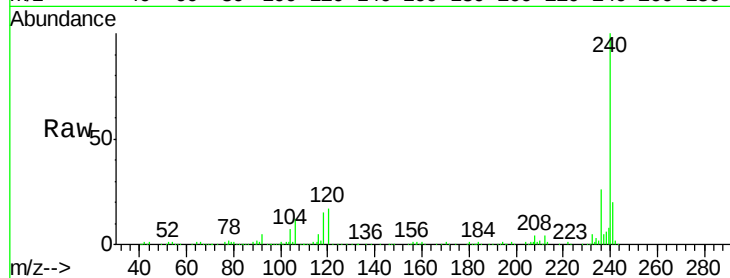
Tgt Ion:240 Resp: 319636

Ion Ratio Lower Upper

240 100

120 17.1 12.9 19.3

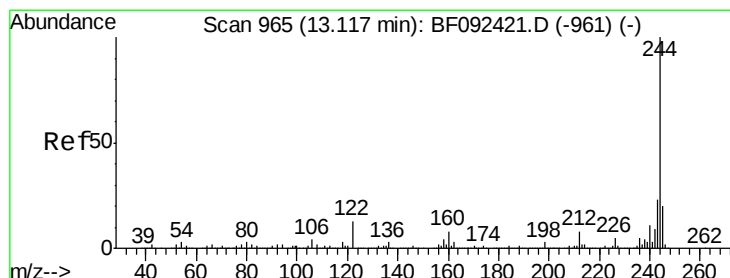
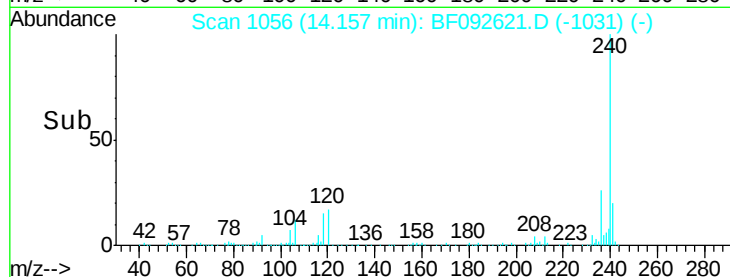
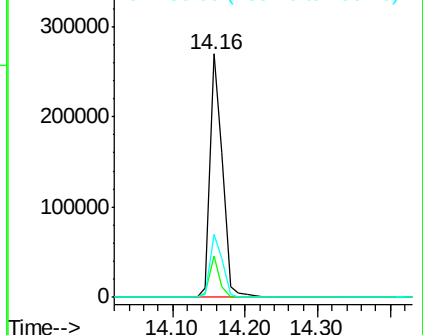
236 25.7 20.9 31.3



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: 77.10 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092621.D

Acq: 28 Jan 2017 12:28

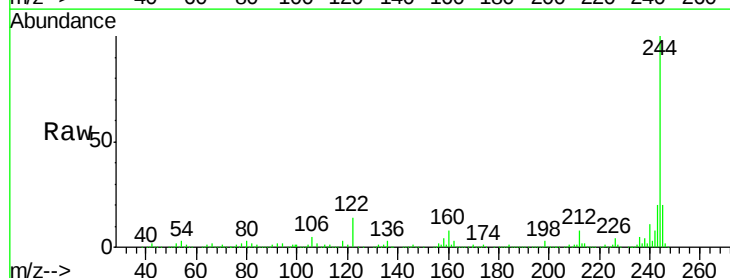
Tgt Ion:244 Resp: 925435

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

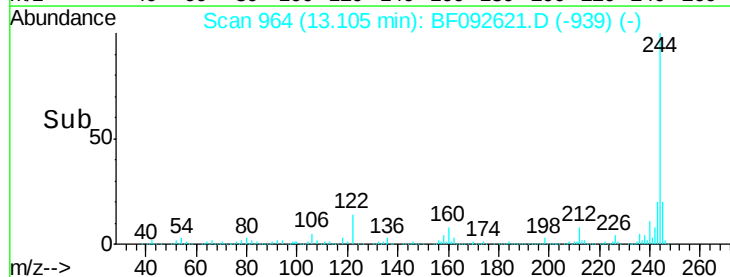
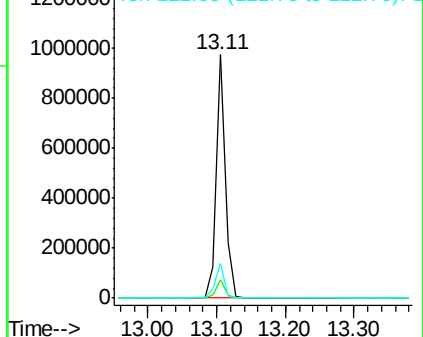
122 14.2 11.4 17.2

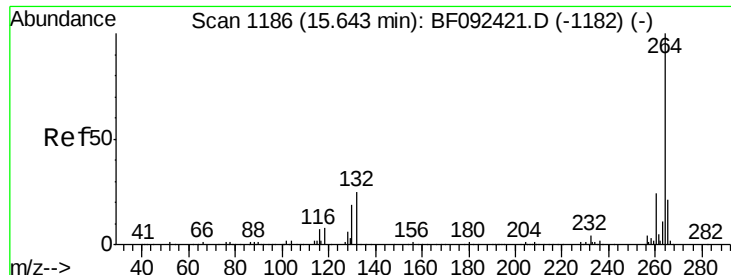


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

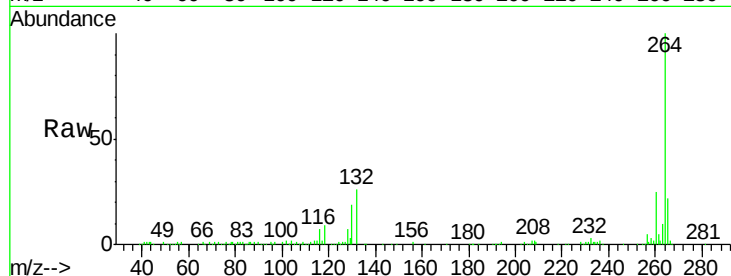




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.64 min Scan# 1186
Delta R.T. -0.00 min
Lab File: BF092621.D
Acq: 28 Jan 2017 12:28

Instrument :
BNA_F
ClientSampleId :
SB-23-COMP

Tgt Ion: 264 Resp: 226367
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 21.9 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

