

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012417\
 Data File : BF092459.D
 Acq On : 25 Jan 2017 5:09
 Operator : UM/SJ
 Sample : I1397-05
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GUNHILL-FB-1-12017

Quant Time: Jan 25 05:43:59 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

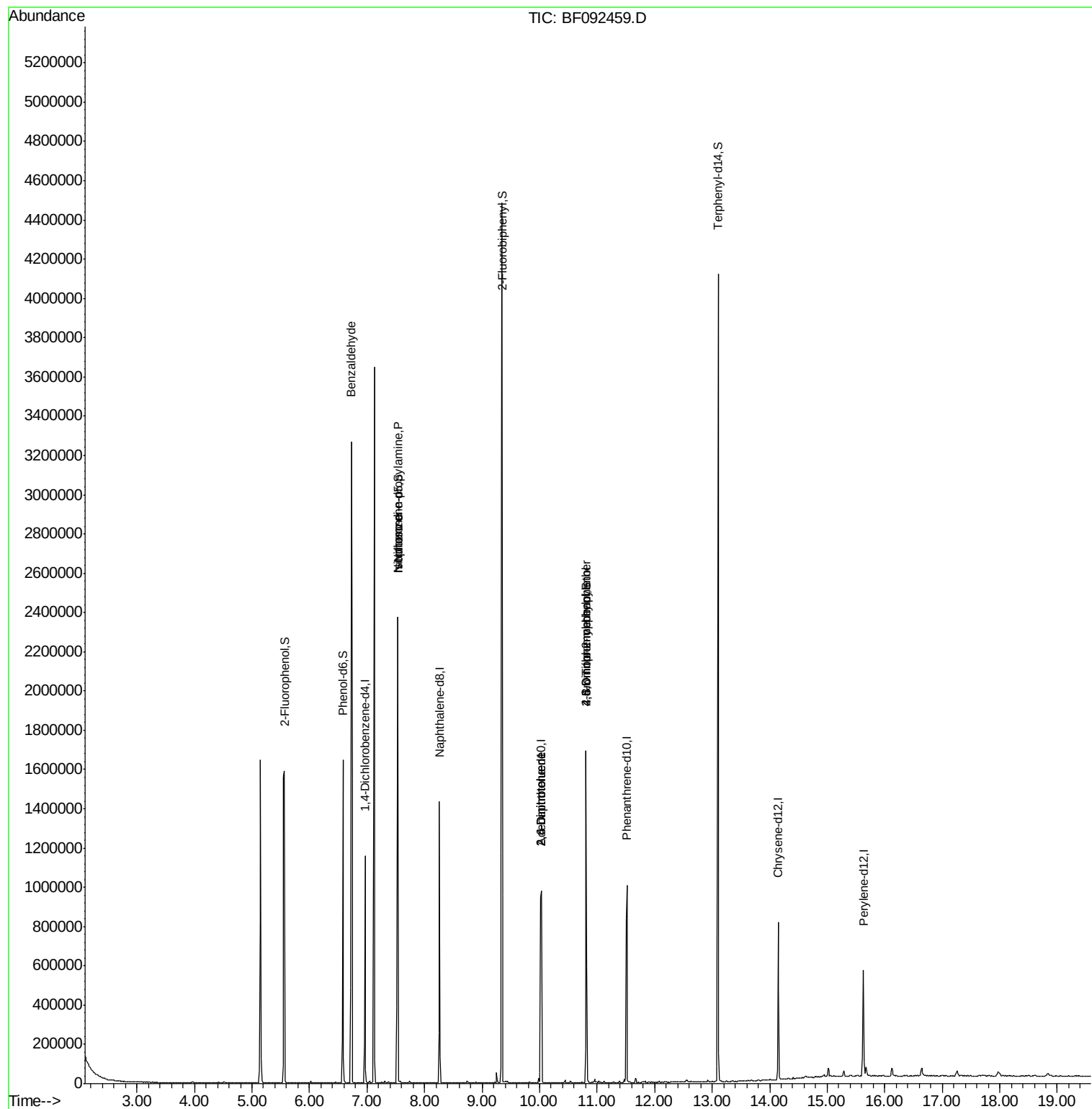
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	156343	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	597620	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	319983	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	511481	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	330119	20.00	ng	-0.02
86) Perylene-d12	15.63	264	306242	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	632207	62.91	ng	0.01
7) Phenol-d6	6.58	99	462154	36.11	ng	-0.01
23) Nitrobenzene-d5	7.54	82	1129674	103.26	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	192766	88.40	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	1554185	89.82	ng	-0.01
78) Terphenyl-d14	13.11	244	1373234	110.77	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.73	77	22036	2.43	ng	# 73
19) n-Nitroso-di-n-propylamine	7.54	70	149002	17.09	ng	# 78
25) Isophorone	7.54	82	1043241	48.39	ng	# 65
50) 2,6-Dinitrotoluene	10.03	165	39359	9.46	ng	# 29
56) 2,4-Dinitrotoluene	10.03	165	39359	7.13	ng	# 18
64) 4,6-Dinitro-2-methylphenol	10.81	198	492	5.11	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	13747	2.66	ng	# 1

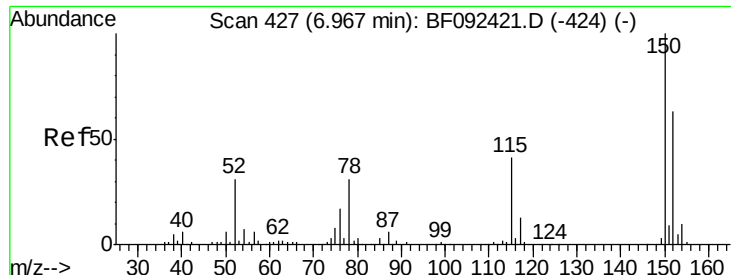
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF092459.D

Acq: 25 Jan 2017 5:09

Instrument :

BNA_F

ClientSampleId :

GUNHILL-FB-1-12017

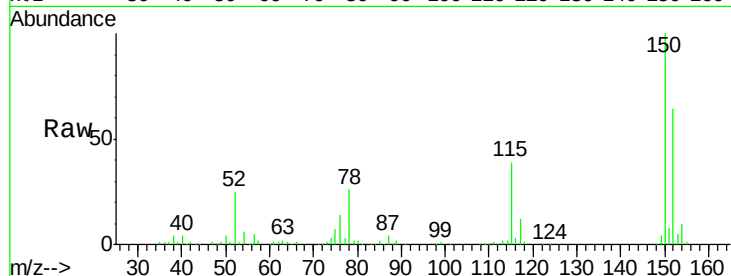
Tgt Ion:152 Resp: 156343

Ion Ratio Lower Upper

152 100

150 156.5 124.9 187.3

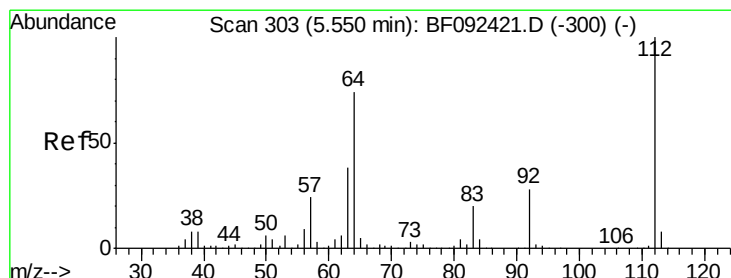
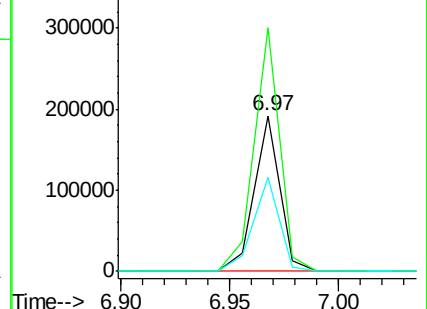
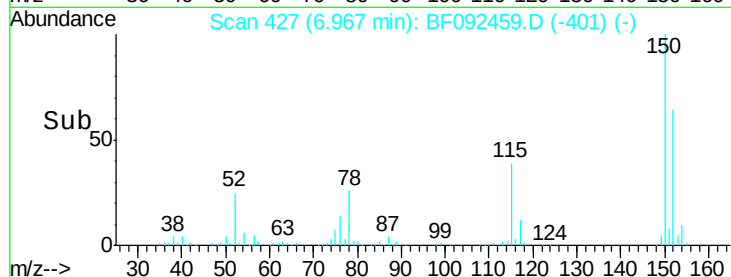
115 60.2 46.0 69.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 62.91 ng

RT: 5.56 min Scan# 304

Delta R.T. 0.01 min

Lab File: BF092459.D

Acq: 25 Jan 2017 5:09

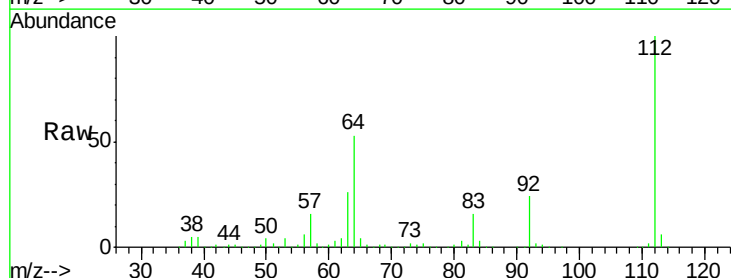
Tgt Ion:112 Resp: 632207

Ion Ratio Lower Upper

112 100

64 53.1 46.1 69.1

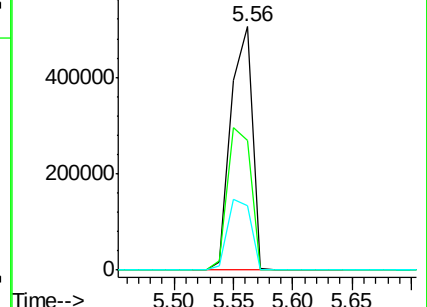
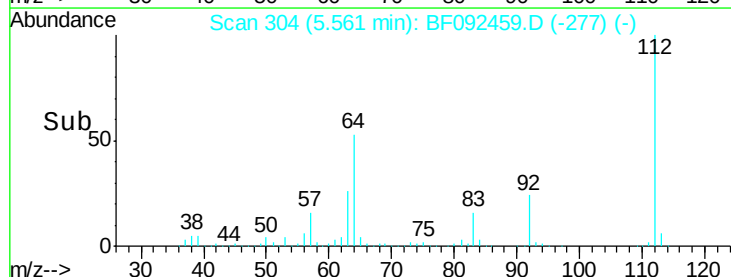
63 26.3 23.8 35.6

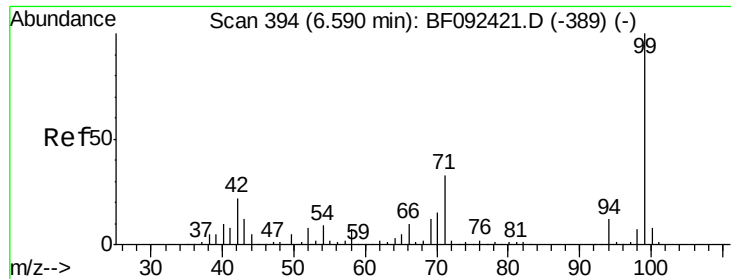


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.11 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.01 min

Lab File: BF092459.D

Acq: 25 Jan 2017 5:09

Instrument :

BNA_F

ClientSampleId :

GUNHILL-FB-1-12017

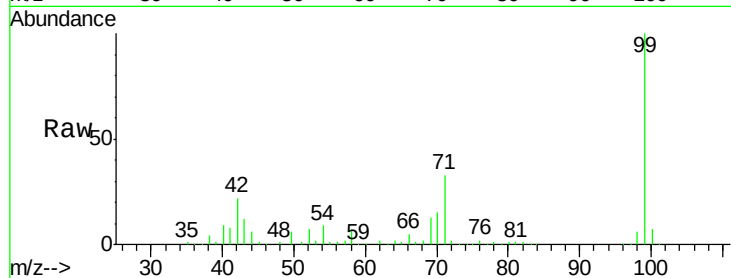
Tgt Ion: 99 Resp: 462154

Ion Ratio Lower Upper

99 100

42 22.4 15.6 23.4

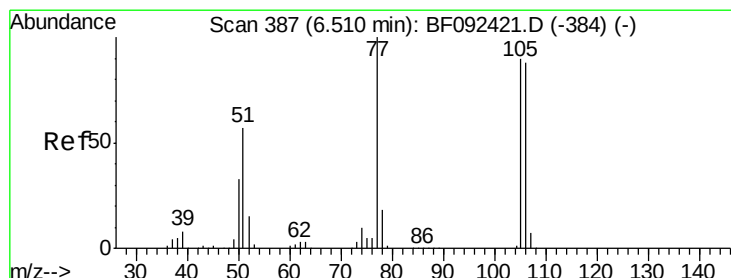
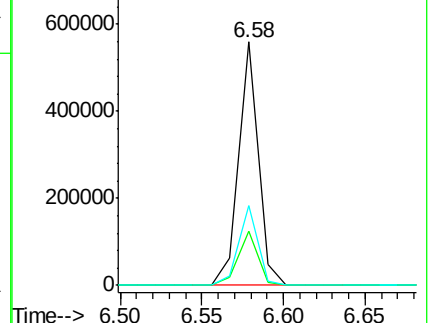
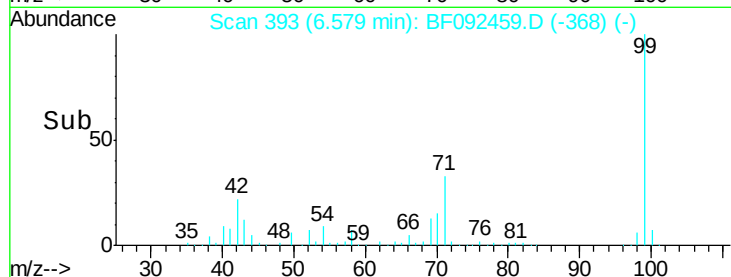
71 33.0 27.5 41.3



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: 2.43 ng

RT: 6.73 min Scan# 406

Delta R.T. 0.22 min

Lab File: BF092459.D

Acq: 25 Jan 2017 5:09

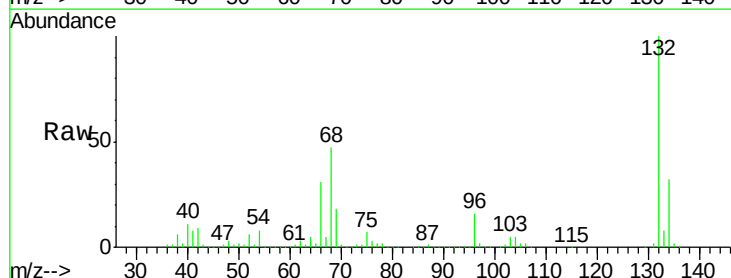
Tgt Ion: 77 Resp: 22036

Ion Ratio Lower Upper

77 100

105 75.8 83.9 123.9#

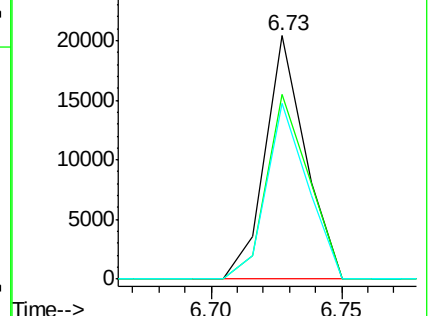
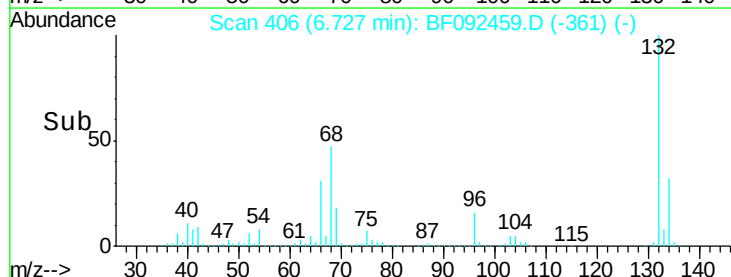
106 72.2 77.6 117.6#

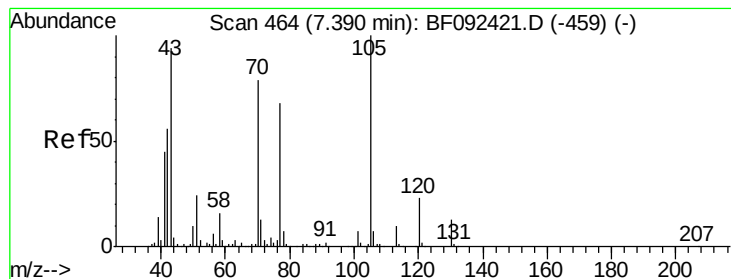


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 17.09 ng

RT: 7.54 min Scan# 477

Delta R.T. 0.15 min

Lab File: BF092459.D

Acq: 25 Jan 2017 5:09

Instrument :

BNA_F

ClientSampleId :

GUNHILL-FB-1-12017

Tgt Ion: 70 Resp: 149002

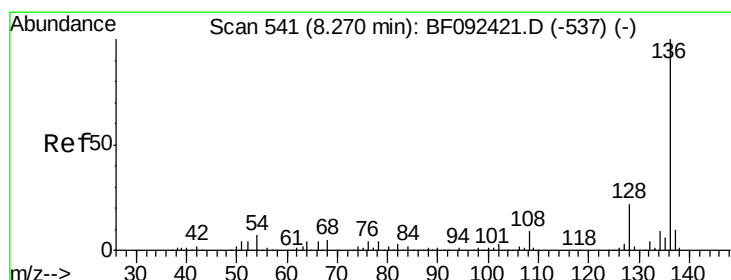
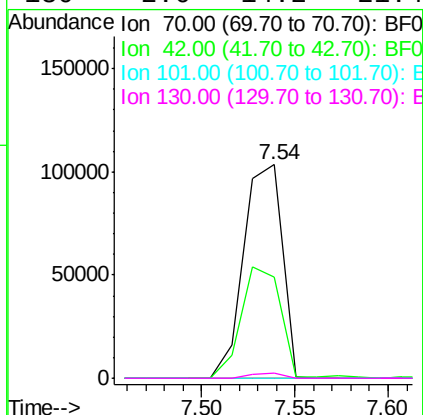
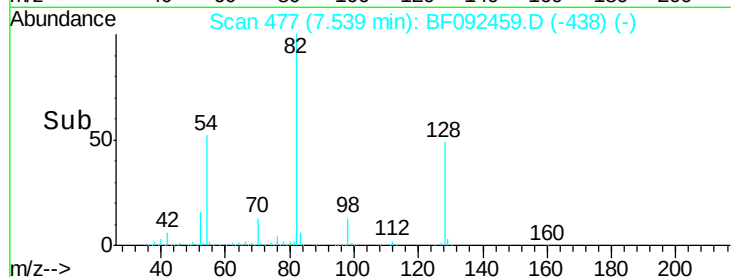
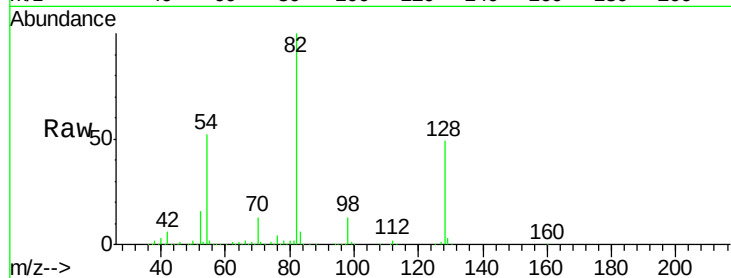
Ion Ratio Lower Upper

70 100

42 47.5 49.4 74.0#

101 0.0 7.4 11.2#

130 2.6 14.2 21.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF092459.D

Acq: 25 Jan 2017 5:09

Tgt Ion: 136 Resp: 597620

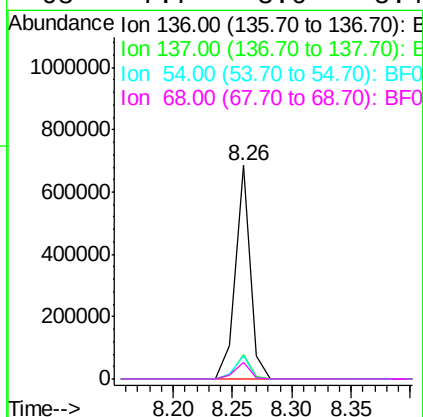
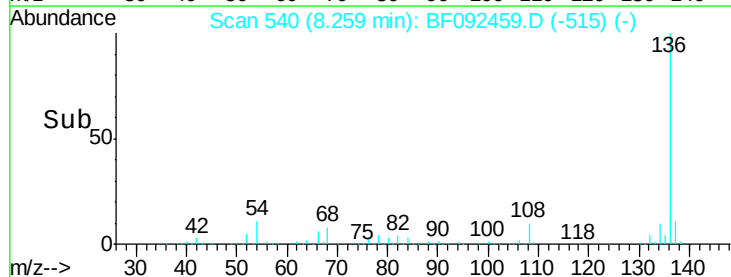
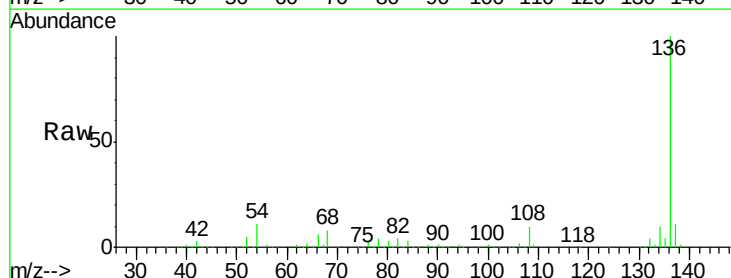
Ion Ratio Lower Upper

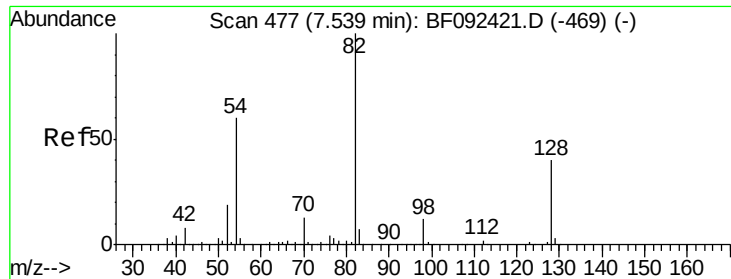
136 100

137 11.3 8.4 12.6

54 10.6 4.5 6.7#

68 7.7 3.6 5.4#

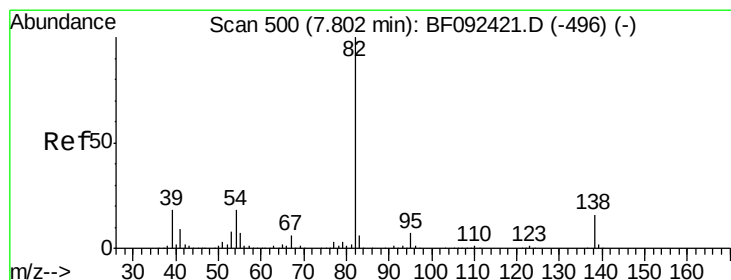
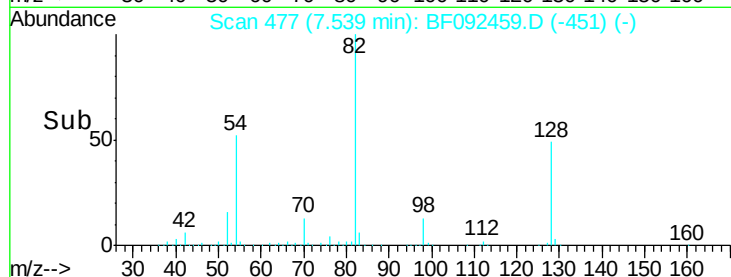
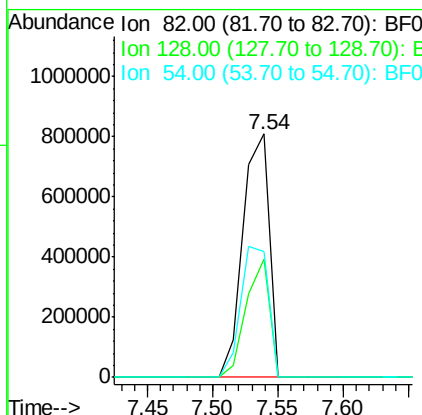
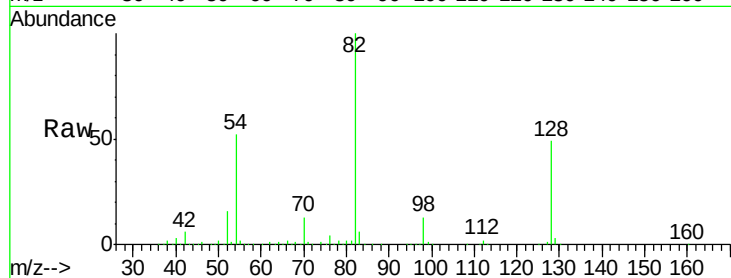




#23
 Nitrobenzene-d5
 Concen: 103.26 ng
 RT: 7.54 min Scan# 477
 Delta R.T. -0.00 min
 Lab File: BF092459.D
 Acq: 25 Jan 2017 5:09

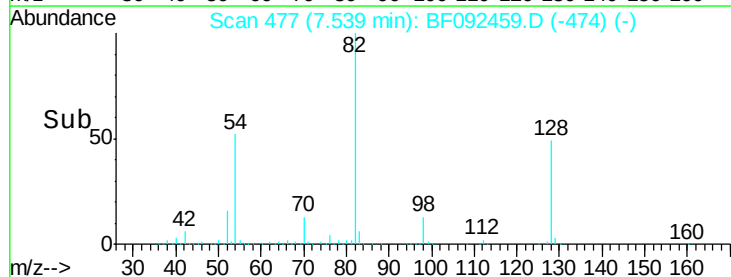
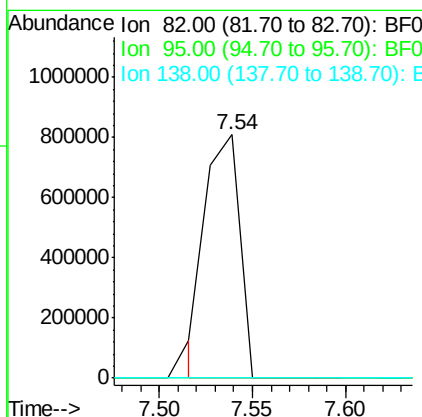
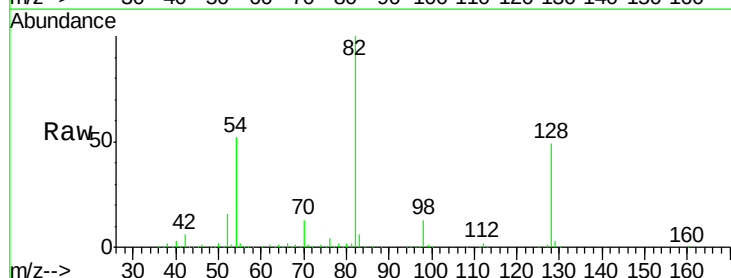
Instrument :
 BNA_F
 ClientSampleId :
 GUNHILL-FB-1-12017

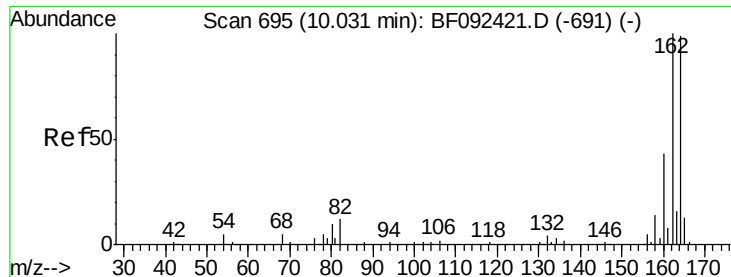
Tgt Ion: 82 Resp: 1129674
 Ion Ratio Lower Upper
 82 100
 128 48.6 34.6 52.0
 54 51.9 39.5 59.3



#25
 Isophorone
 Concen: 48.39 ng
 RT: 7.54 min Scan# 477
 Delta R.T. -0.26 min
 Lab File: BF092459.D
 Acq: 25 Jan 2017 5:09

Tgt Ion: 82 Resp: 1043241
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.6 8.4#
 138 0.0 14.6 22.0#

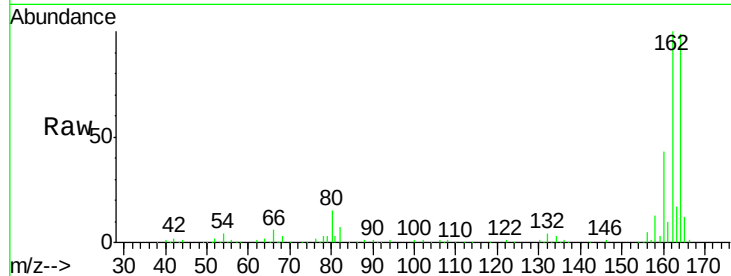




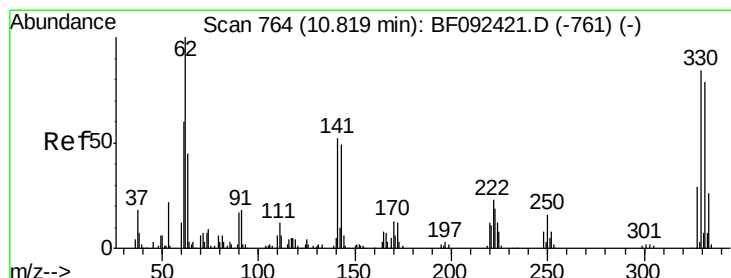
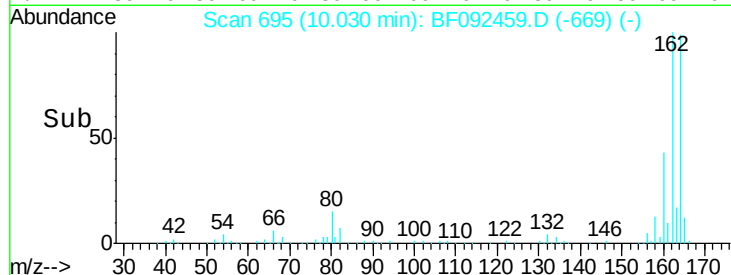
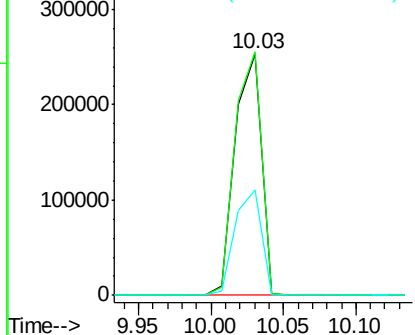
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.03 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: BF092459.D
 Acq: 25 Jan 2017 5:09

Instrument :
 BNA_F
 ClientSampleId :
 GUNHILL-FB-1-12017

Tgt Ion:164 Resp: 319983
 Ion Ratio Lower Upper
 164 100
 162 101.0 80.2 120.2
 160 43.5 36.9 55.3

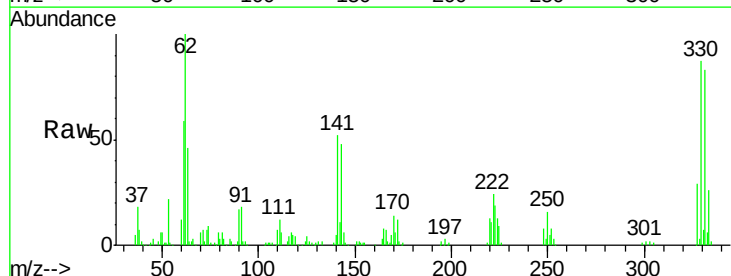


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

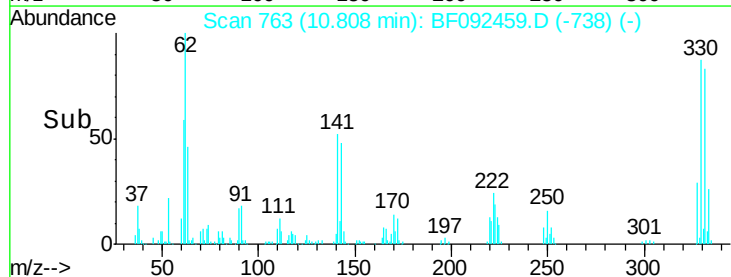
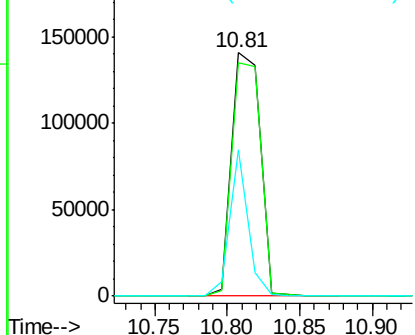


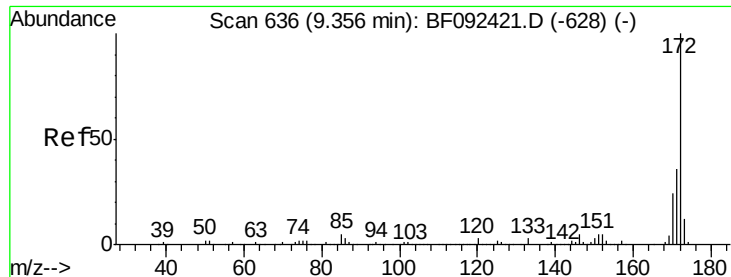
#41
 2,4,6-Tribromophenol
 Concen: 88.40 ng
 RT: 10.81 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BF092459.D
 Acq: 25 Jan 2017 5:09

Tgt Ion:330 Resp: 192766
 Ion Ratio Lower Upper
 330 100
 332 97.7 77.4 116.2
 141 38.3 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

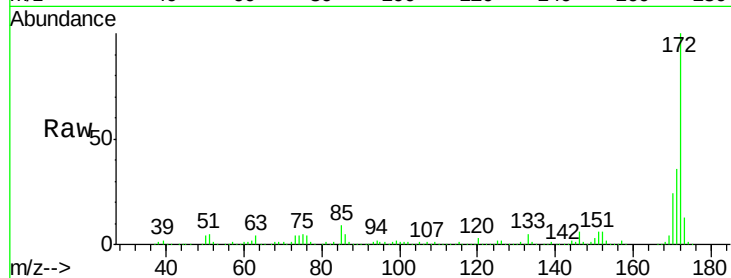




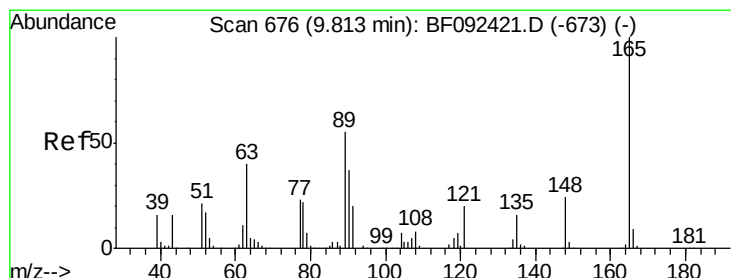
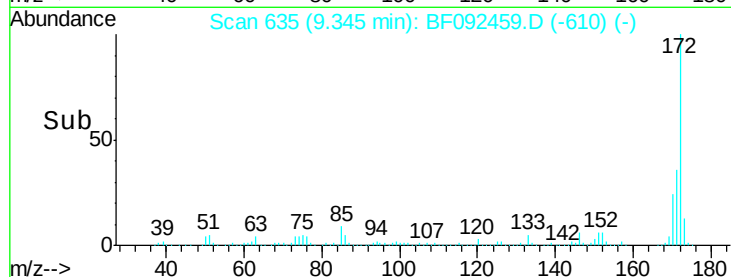
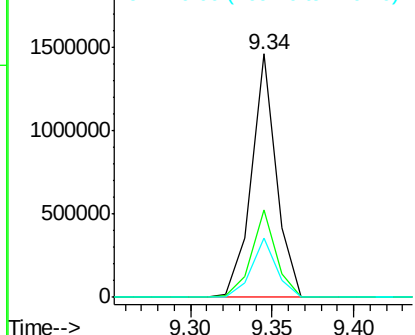
#44
 2-Fluorobiphenyl
 Concen: 89.82 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092459.D
 Acq: 25 Jan 2017 5:09

Instrument :
 BNA_F
 ClientSampleId :
 GUNHILL-FB-1-12017

Tgt Ion:172 Resp: 1554185
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.0
 170 24.3 20.2 30.4

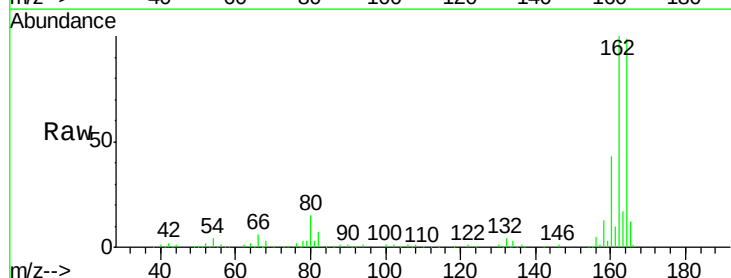


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

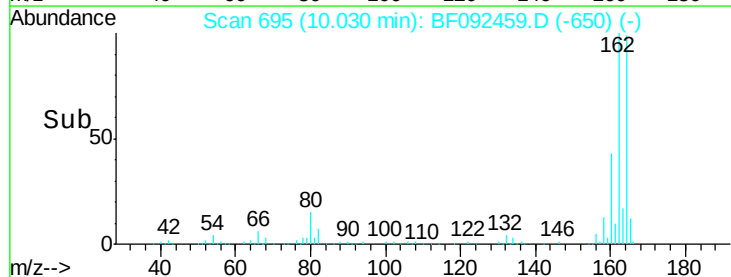
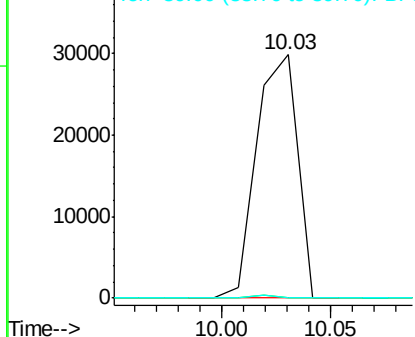


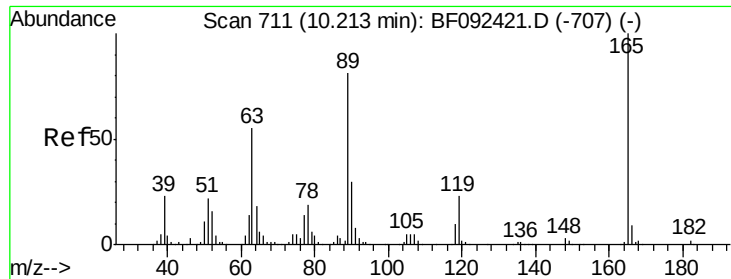
#50
 2,6-Dinitrotoluene
 Concen: 9.46 ng
 RT: 10.03 min Scan# 695
 Delta R.T. 0.22 min
 Lab File: BF092459.D
 Acq: 25 Jan 2017 5:09

Tgt Ion:165 Resp: 39359
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.2 54.4#
 89 0.0 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

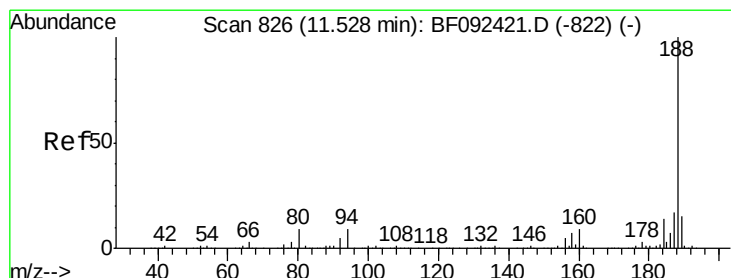
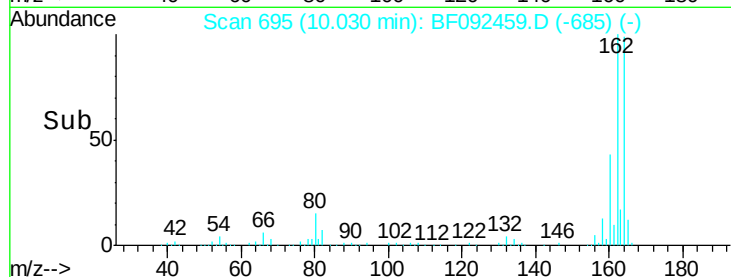
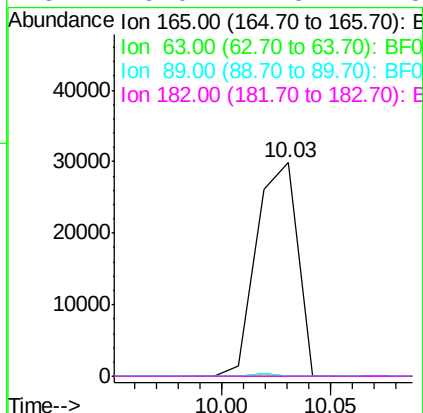
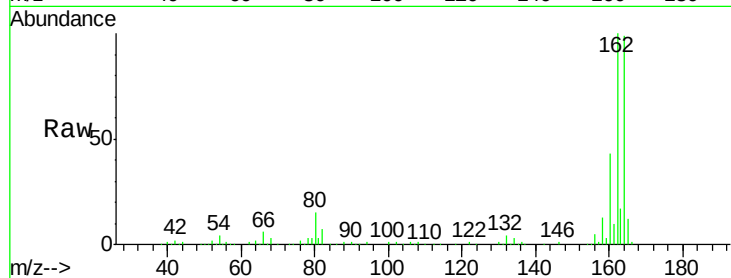




#56
 2,4-Dinitrotoluene
 Concen: 7.13 ng
 RT: 10.03 min Scan# 695
 Delta R.T. -0.18 min
 Lab File: BF092459.D
 Acq: 25 Jan 2017 5:09

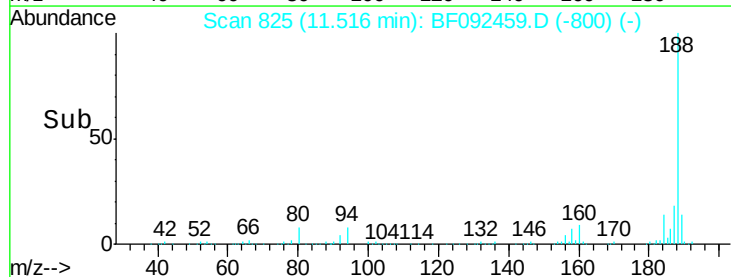
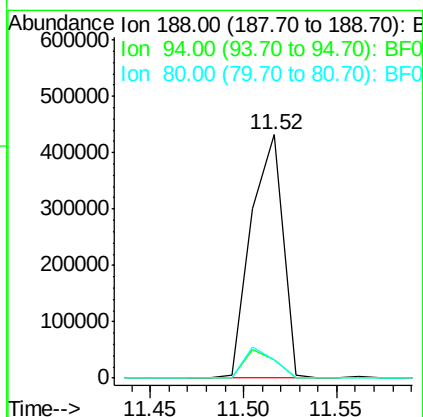
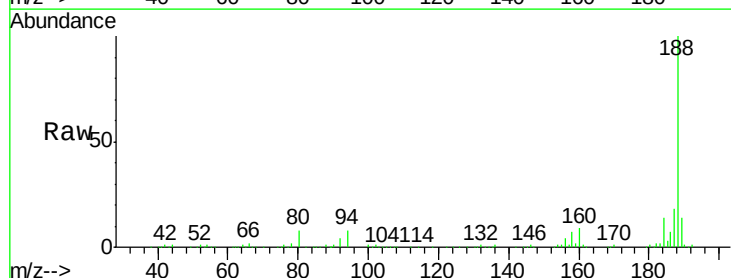
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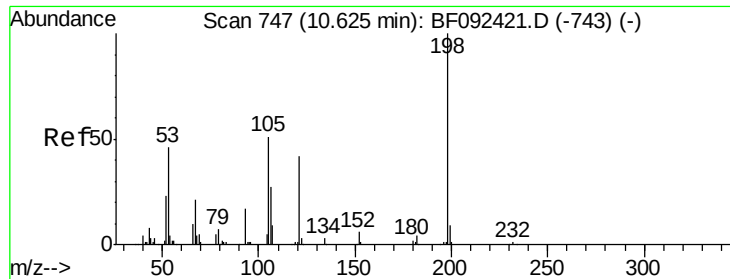
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.2	60.4#
89	0.0	62.5	93.7#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.52 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF092459.D
 Acq: 25 Jan 2017 5:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	10.0	15.0#
80	7.5	11.2	16.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.11 ng

RT: 10.81 min Scan# 763

Delta R.T. 0.18 min

Lab File: BF092459.D

Acq: 25 Jan 2017 5:09

Instrument :

BNA_F

ClientSampleId :

GUNHILL-FB-1-12017

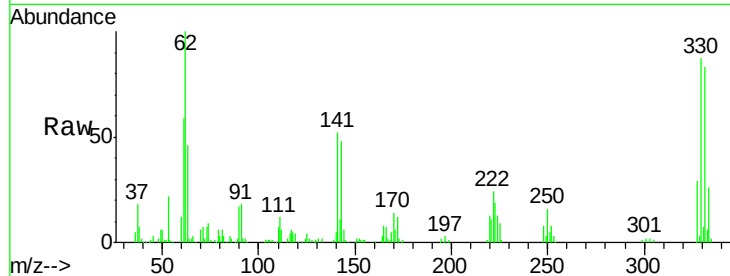
Tgt Ion:198 Resp: 492

Ion Ratio Lower Upper

198 100

51 215.2 6.7 46.7#

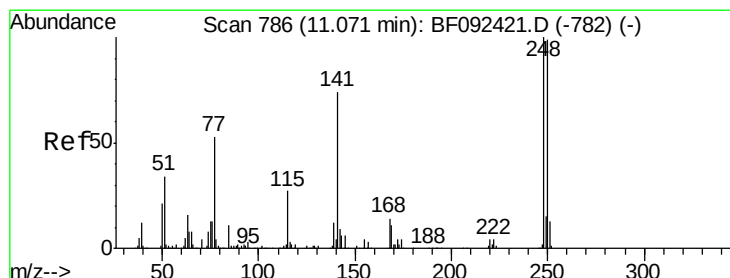
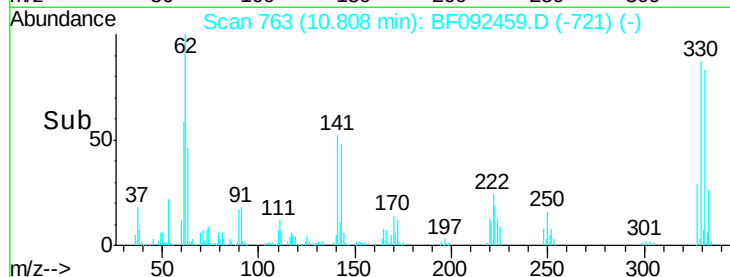
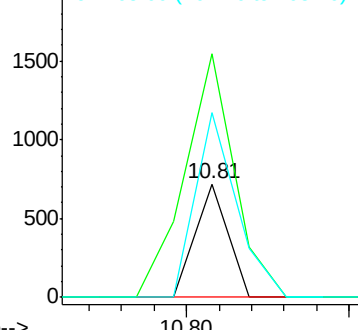
105 163.1 16.6 56.6#



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: 2.66 ng

RT: 10.81 min Scan# 763

Delta R.T. -0.26 min

Lab File: BF092459.D

Acq: 25 Jan 2017 5:09

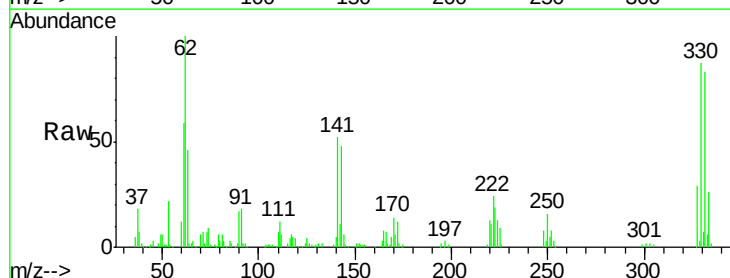
Tgt Ion:248 Resp: 13747

Ion Ratio Lower Upper

248 100

250 193.3 76.9 115.3#

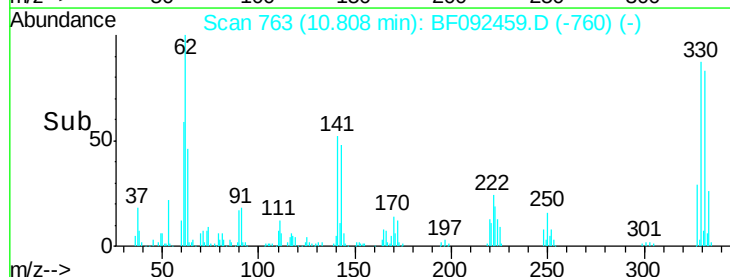
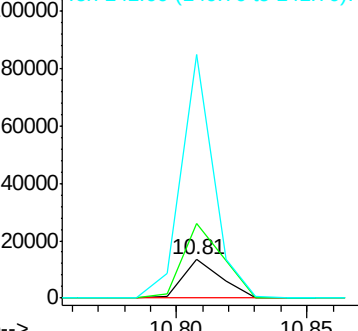
141 628.6 68.2 102.4#

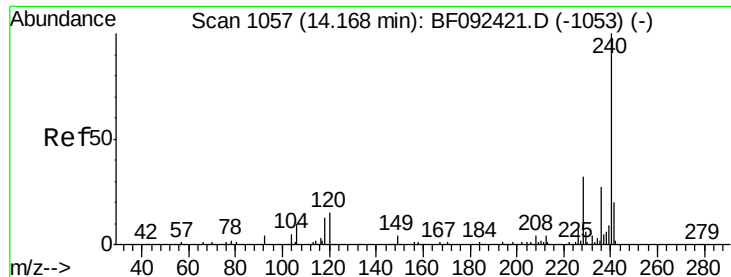


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.15 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF092459.D

Acq: 25 Jan 2017 5:09

Instrument :

BNA_F

ClientSampleId :

GUNHILL-FB-1-12017

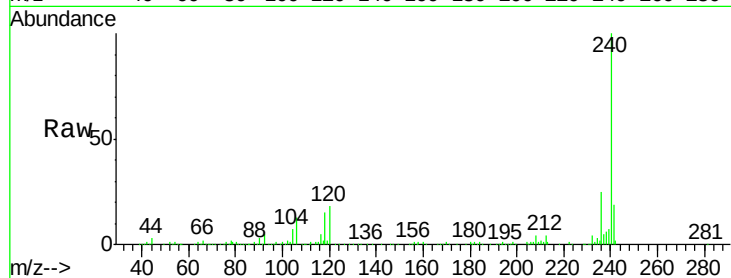
Tgt Ion:240 Resp: 330119

Ion Ratio Lower Upper

240 100

120 18.0 12.9 19.3

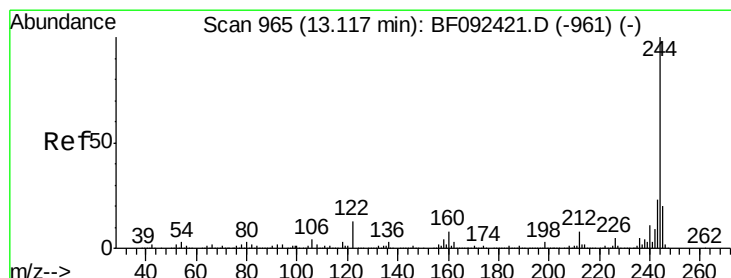
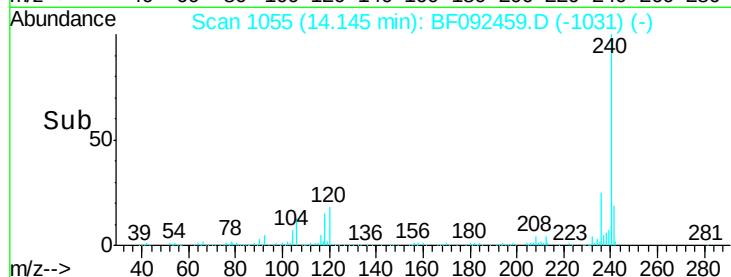
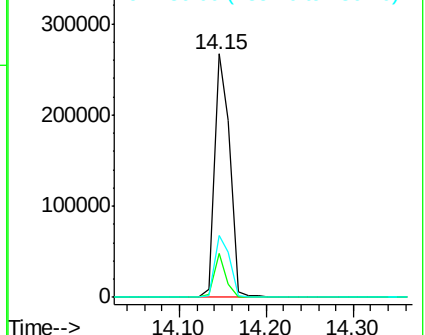
236 25.4 20.9 31.3



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: 110.77 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092459.D

Acq: 25 Jan 2017 5:09

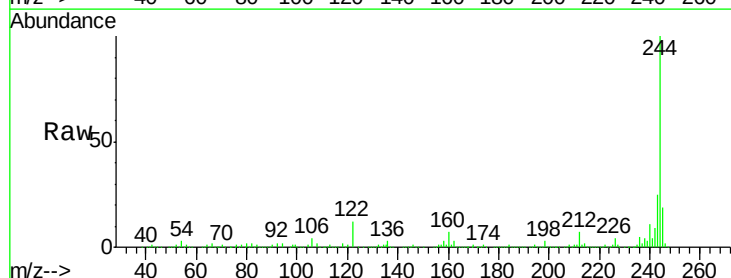
Tgt Ion:244 Resp: 1373234

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

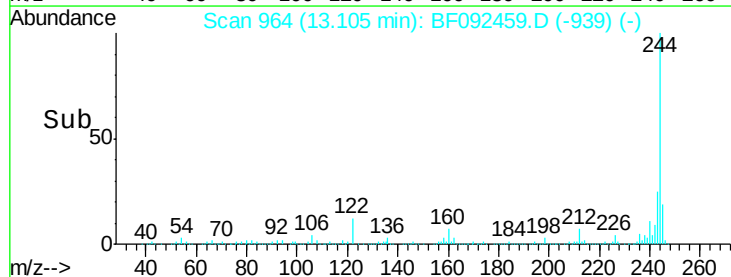
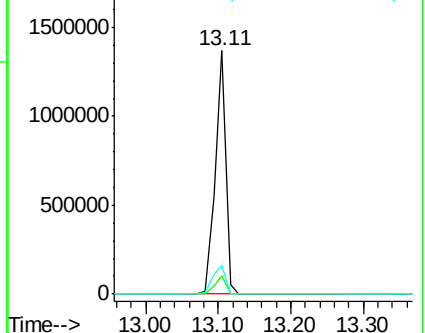
122 11.6 11.4 17.2

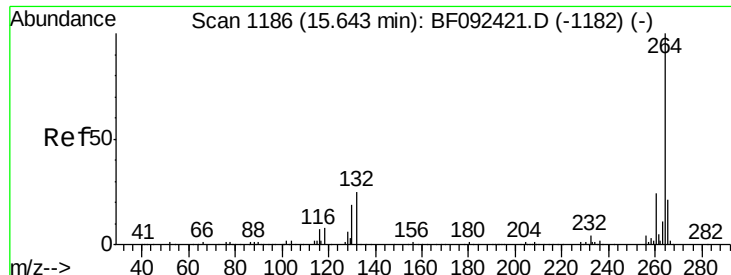


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.63 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF092459.D
Acq: 25 Jan 2017 5:09

Instrument :
BNA_F
ClientSampleId :
GUNHILL-FB-1-12017

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	21.0	17.4	26.0

