

Data Path : Z:\HPCHEM1\BNA F\Data\BF013017\
 Data File : BF092671.D
 Acq On : 31 Jan 2017 9:28
 Operator : SJ/MA
 Sample : I1551-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GUNHILLFB-2-12517

Quant Time: Jan 31 10:23:07 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

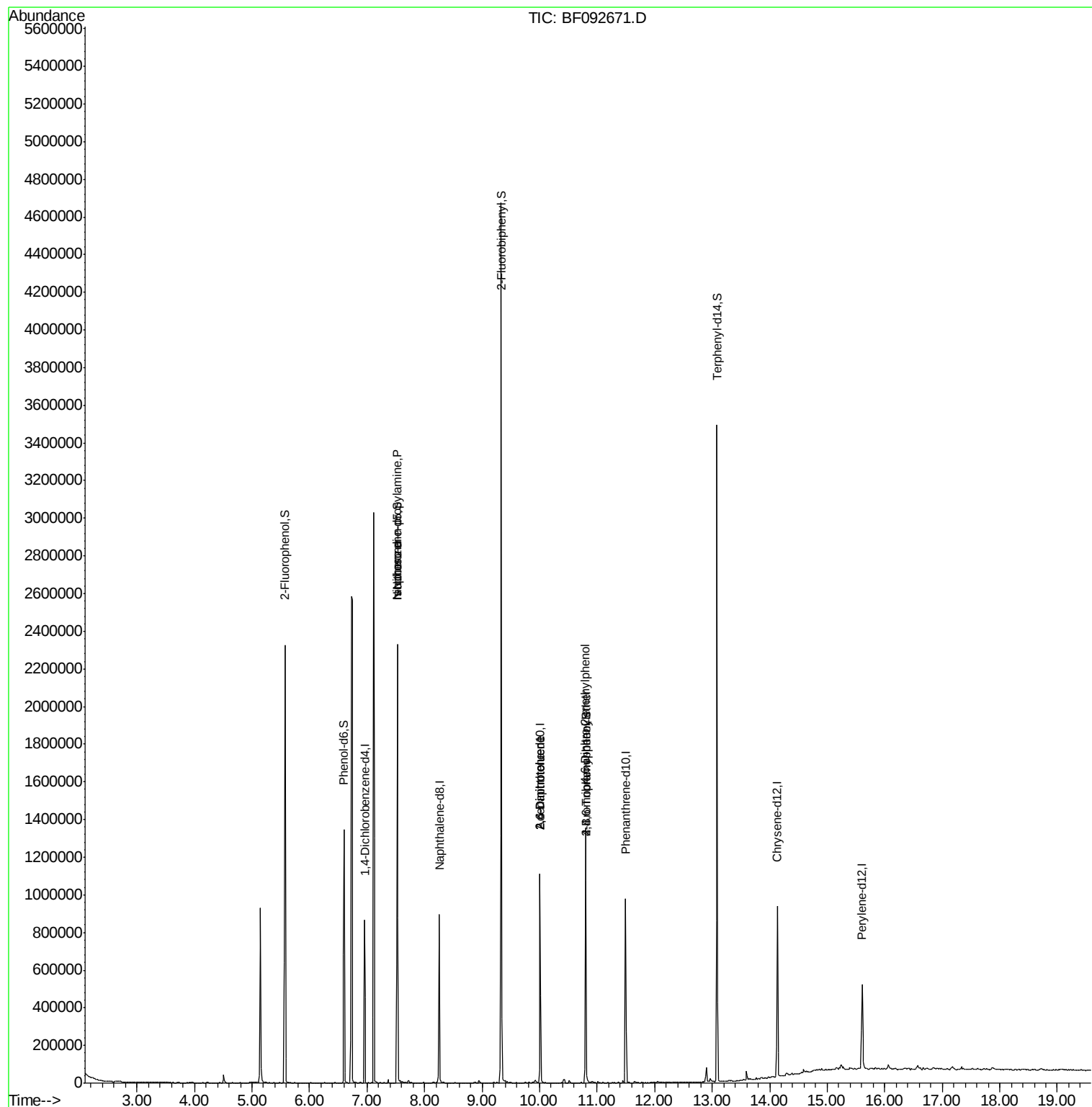
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	153202	20.00	ng	-0.01
21) Naphthalene-d8	8.26	136	581975	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	273842	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	366424	20.00	ng	0.00
75) Chrysene-d12	14.13	240	299258	20.00	ng	-0.01
86) Perylene-d12	15.61	264	207068	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	592120	66.31	ng	0.00
7) Phenol-d6	6.60	99	492052	42.83	ng	0.00
23) Nitrobenzene-d5	7.53	82	897389	85.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	221770	111.97	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1501258	99.32	ng	0.00
78) Terphenyl-d14	13.08	244	1071461	84.13	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	117907	16.12	ng	# 84
25) Isophorone	7.53	82	744939	38.25	ng	# 65
50) 2,6-Dinitrotoluene	10.01	165	35607	8.94	ng	# 31
56) 2,4-Dinitrotoluene	10.01	165	35610	6.71	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.80	198	309	2.80	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	14603	3.81	ng	# 1

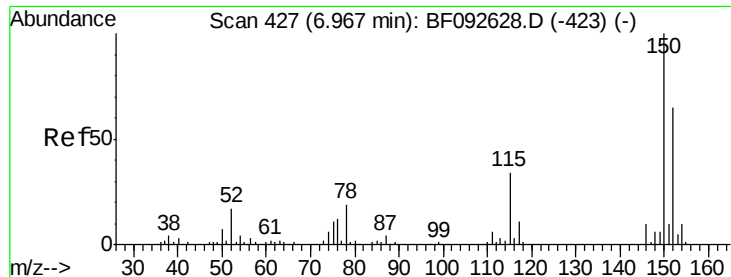
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\Data\BF013017\
Data File : BF092671.D
Acq On : 31 Jan 2017 9:28
Operator : SJ/MA
Sample : I1551-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GUNHILLFB-2-12517

Quant Time: Jan 31 10:23:07 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 30 14:50:05 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.96 min Scan# 426

Delta R.T. -0.01 min

Lab File: BF092671.D

Acq: 31 Jan 2017 9:28

Instrument :

BNA_F

ClientSampleId :

GUNHILLFB-2-12517

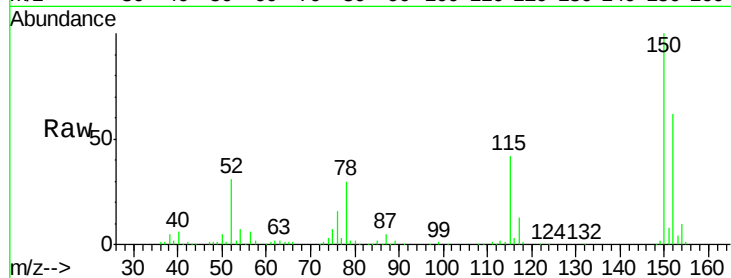
Tot Ion:152 Resp: 153202

Ion Ratio Lower Upper

152 100

150 161.3 124.9 187.3

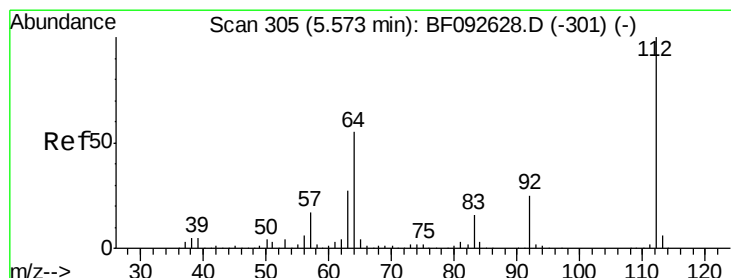
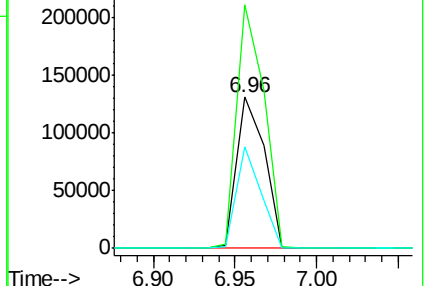
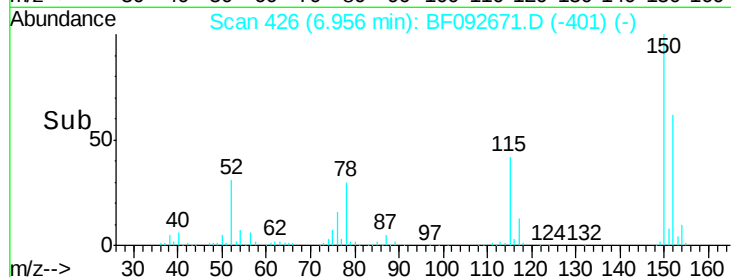
115 67.4 46.0 69.0



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: 66.31 ng

RT: 5.57 min Scan# 305

Delta R.T. 0.00 min

Lab File: BF092671.D

Acq: 31 Jan 2017 9:28

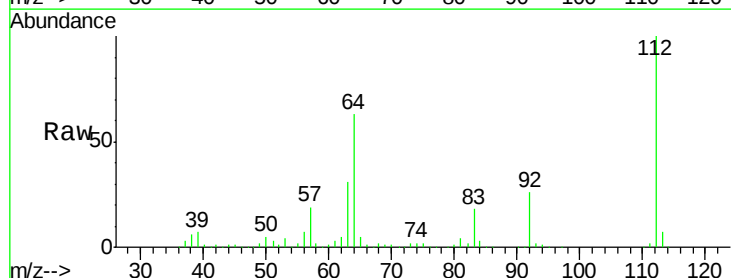
Tgt Ion:112 Resp: 592120

Ion Ratio Lower Upper

112 100

64 63.3 46.1 69.1

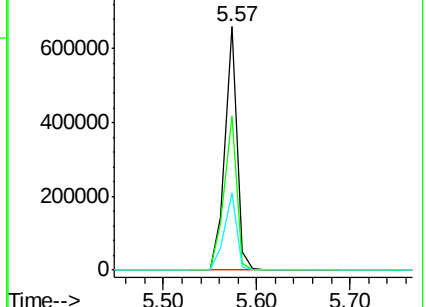
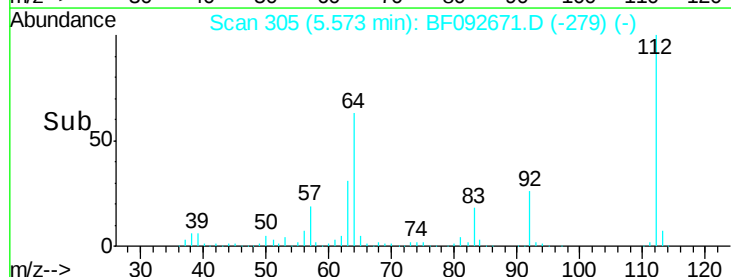
63 31.5 23.8 35.6



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: 42.83 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF092671.D

Acq: 31 Jan 2017 9:28

Instrument :

BNA_F

ClientSampleId :

GUNHILLFB-2-12517

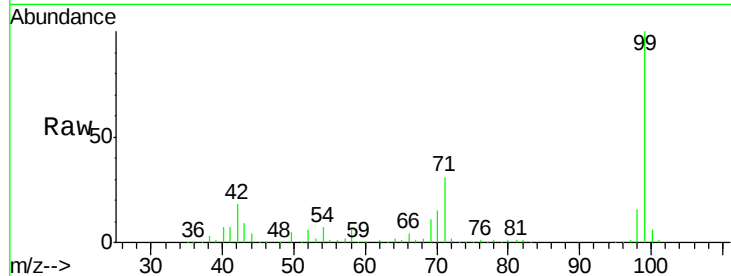
Tot Ion: 99 Resp: 492052

Ion Ratio Lower Upper

99 100

42 17.8 15.6 23.4

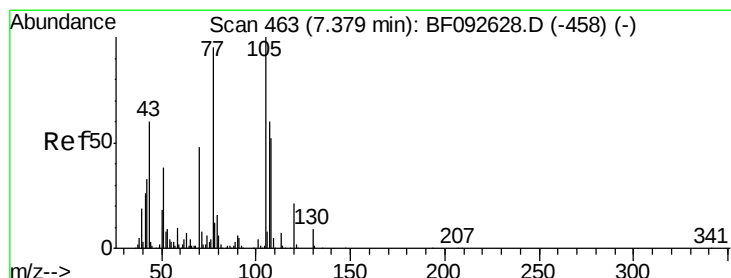
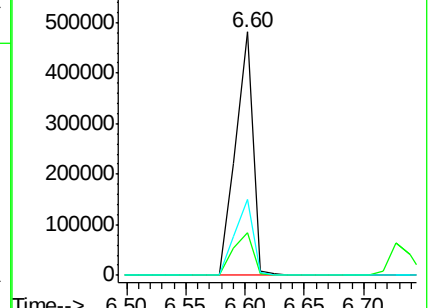
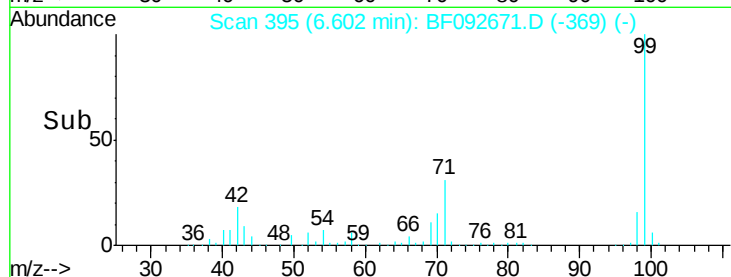
71 31.2 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.12 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.15 min

Lab File: BF092671.D

Acq: 31 Jan 2017 9:28

Tgt Ion: 70 Resp: 117907

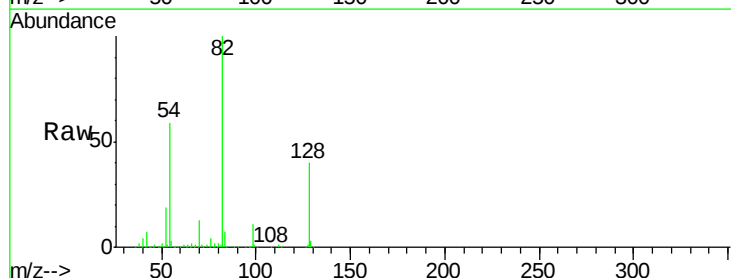
Ion Ratio Lower Upper

70 100

42 55.4 49.4 74.0

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

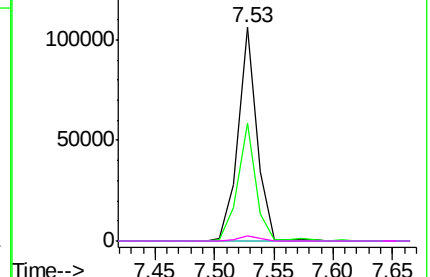
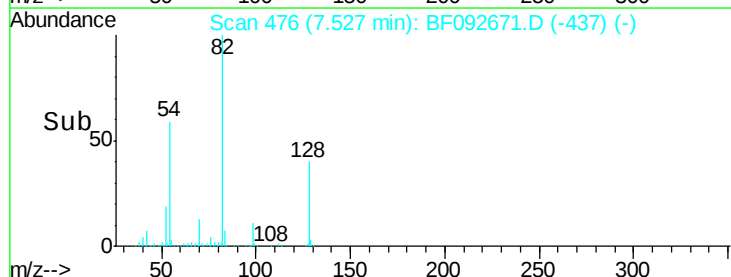


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

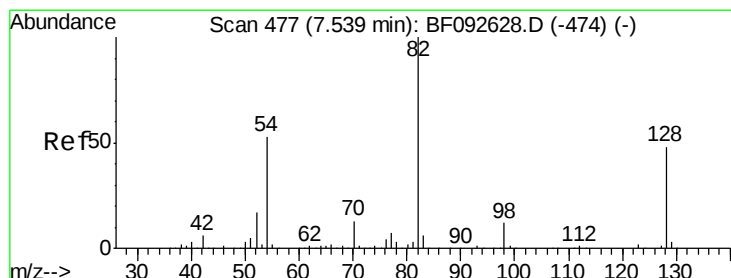
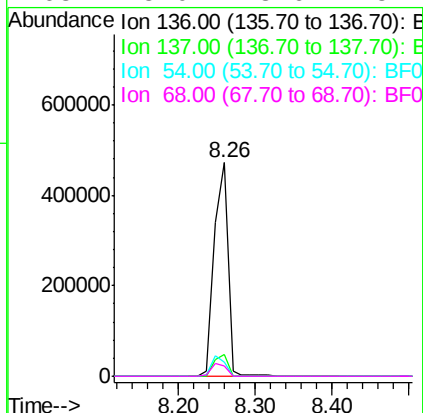
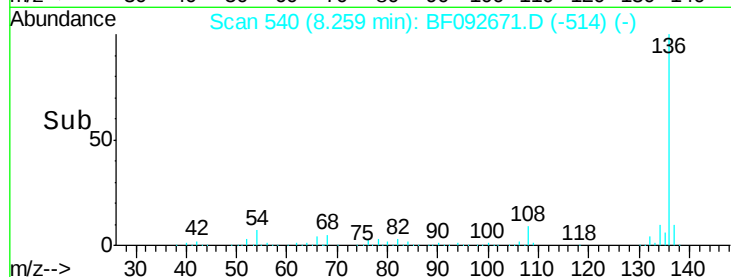
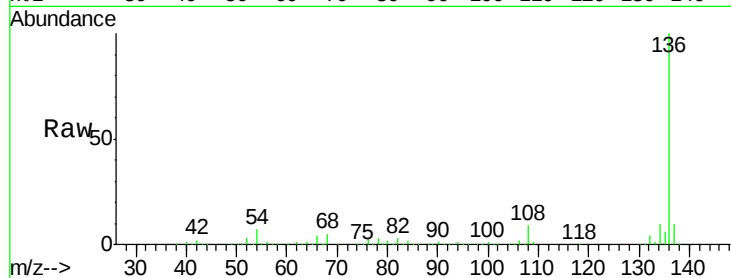




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF092671.D
Acq: 31 Jan 2017 9:28

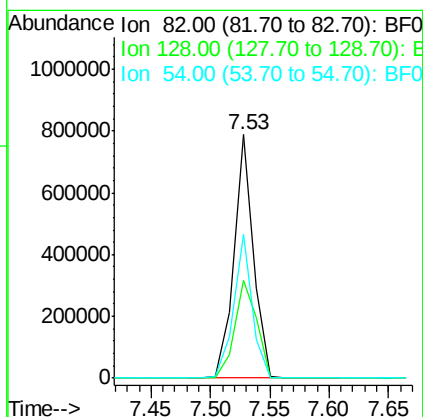
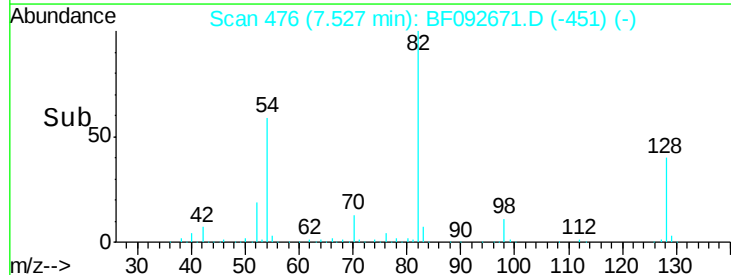
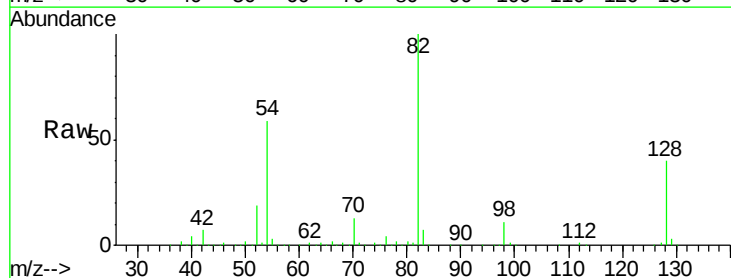
Instrument :
BNA_F
ClientSampleId :
GUNHILLFB-2-12517

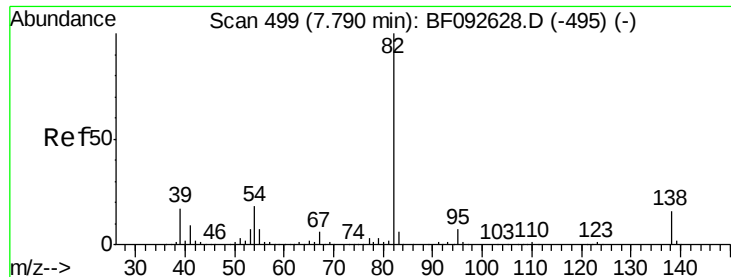
Tot Ion:136	Resp:	581975
Ion	Ratio	Lower Upper
136	100	
137	10.4	8.4 12.6
54	6.7	4.5 6.7
68	5.0	3.6 5.4



#23
Nitrobenzene-d5
Concen: 85.87 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092671.D
Acq: 31 Jan 2017 9:28

Tgt Ion: 82	Resp:	897389
Ion	Ratio	Lower Upper
82	100	
128	40.3	34.6 52.0
54	58.9	39.5 59.3





#25

Isophorone

Concen: 38.25 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.26 min

Lab File: BF092671.D

Acq: 31 Jan 2017 9:28

Instrument :

BNA_F

ClientSampleId :

GUNHILLFB-2-12517

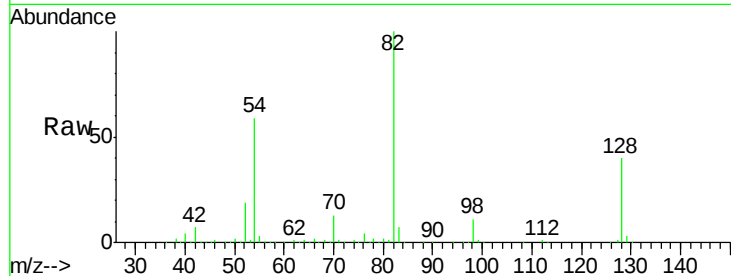
Tot Ion: 82 Resp: 744939

Ion Ratio Lower Upper

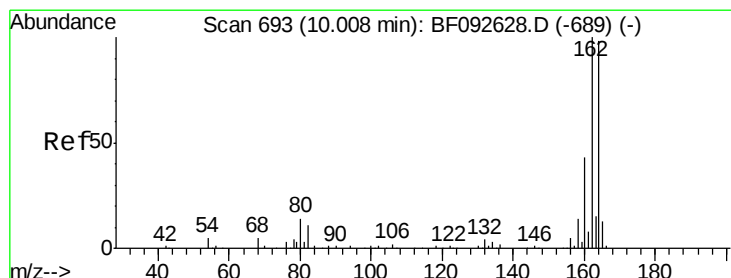
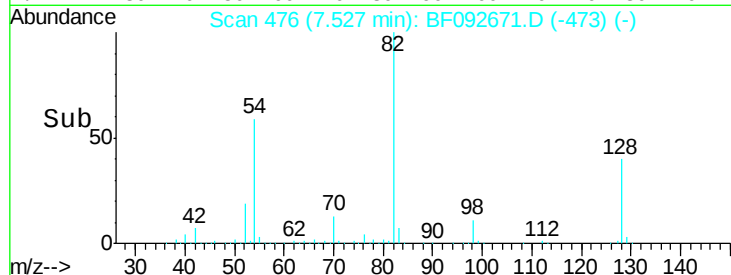
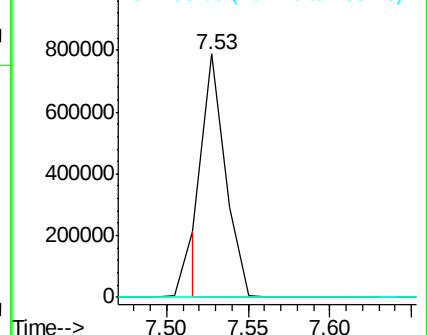
82 100

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: 10.01 min Scan# 693

Delta R.T. 0.00 min

Lab File: BF092671.D

Acq: 31 Jan 2017 9:28

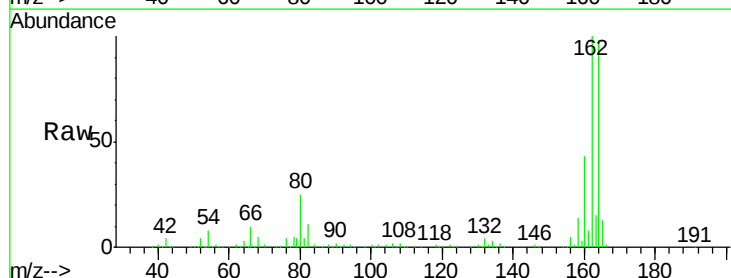
Tgt Ion:164 Resp: 273842

Ion Ratio Lower Upper

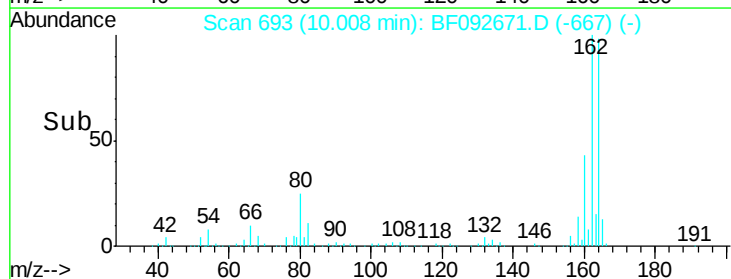
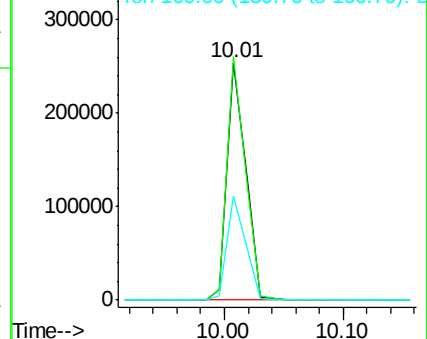
164 100

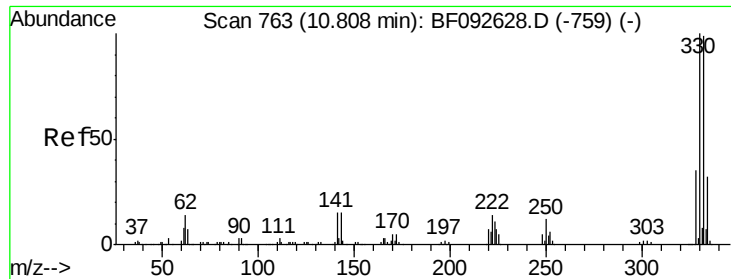
162 102.5 80.2 120.2

160 43.9 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

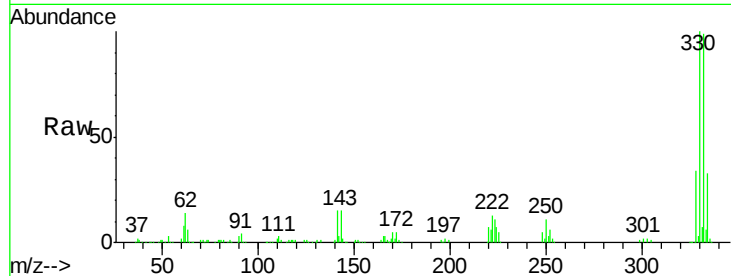




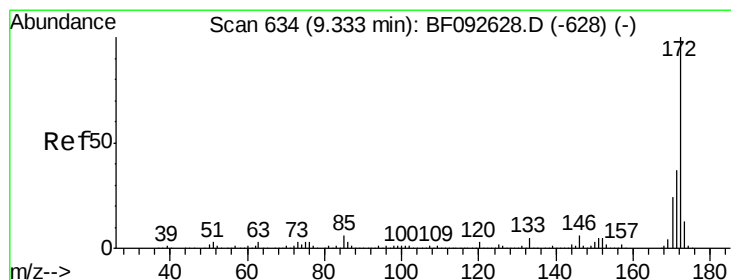
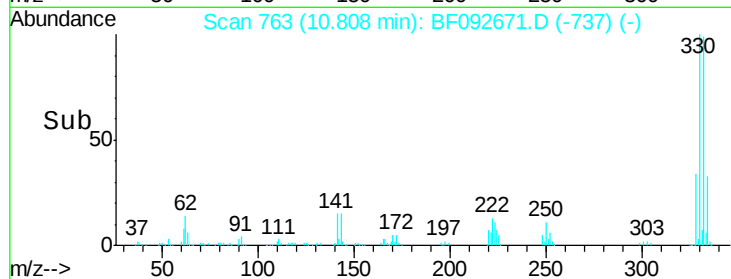
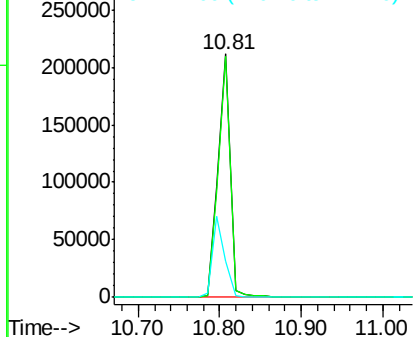
#41
 2,4,6-Tribromophenol
 Concen: 111.97 ng
 RT: 10.81 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: BF092671.D
 Acq: 31 Jan 2017 9:28

Instrument :
 BNA_F
 ClientSampleId :
 GUNHILLFB-2-12517

Tot Ion:330 Resp: 221770
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.4 116.2
 141 33.7 34.1 51.1#

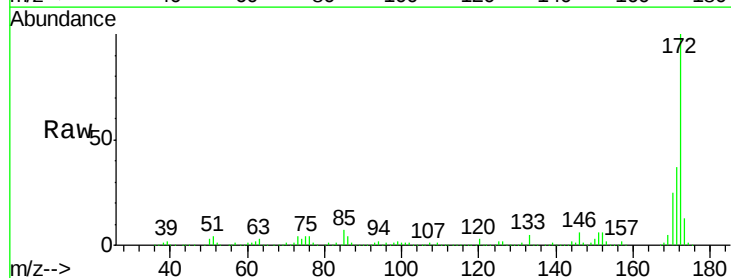


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

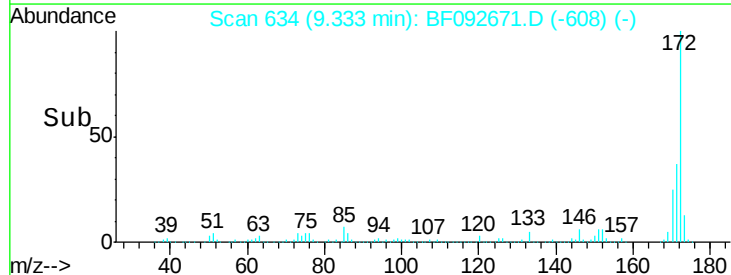
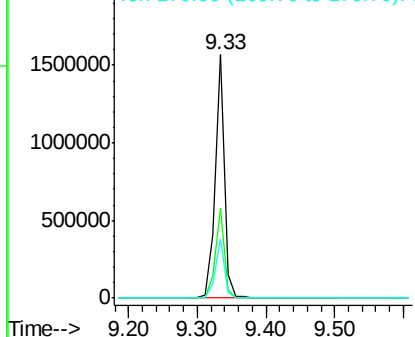


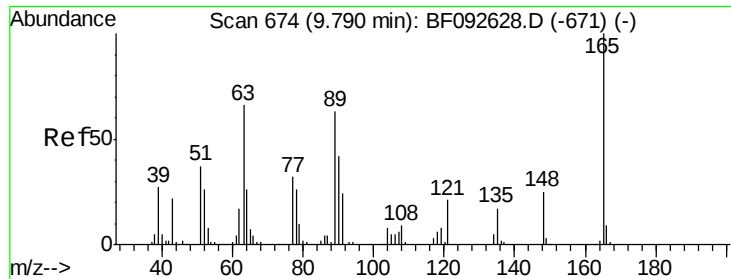
#44
 2-Fluorobiphenyl
 Concen: 99.32 ng
 RT: 9.33 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: BF092671.D
 Acq: 31 Jan 2017 9:28

Tgt Ion:172 Resp: 1501258
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.4 44.0
 170 24.6 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

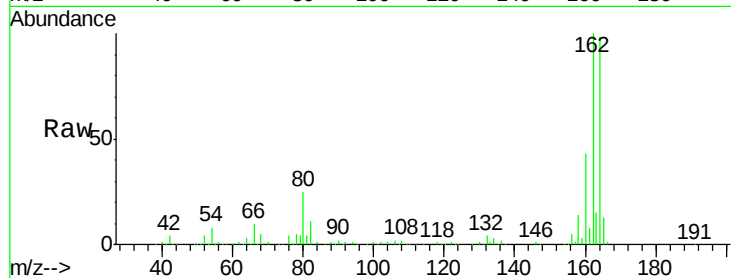




#50
 2,6-Dinitrotoluene
 Concen: 8.94 ng
 RT: 10.01 min Scan# 693
 Delta R.T. 0.22 min
 Lab File: BF092671.D
 Acq: 31 Jan 2017 9:28

Instrument :
 BNA_F
 ClientSampleId :
 GUNHILLFB-2-12517

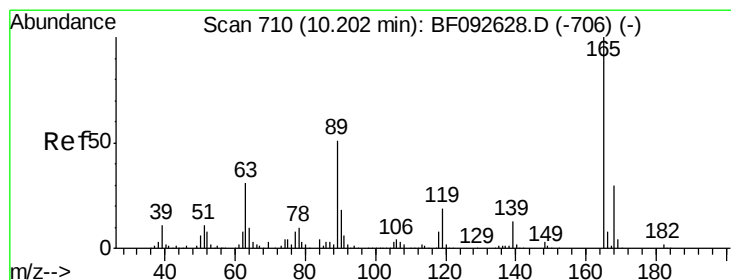
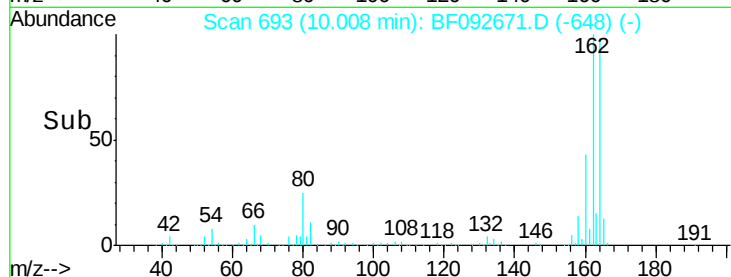
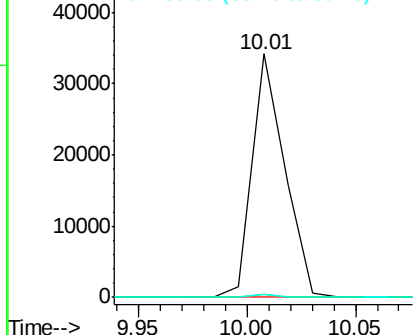
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.2	54.4#
89	1.1	40.2	60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

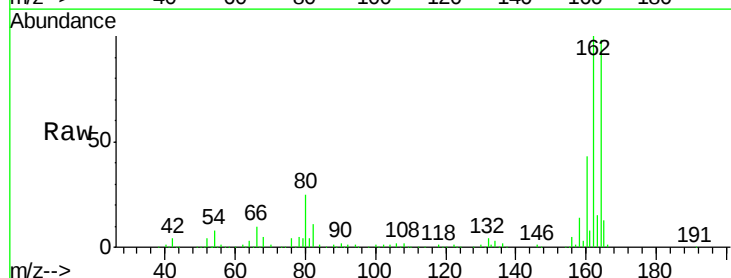
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.71 ng
 RT: 10.01 min Scan# 693
 Delta R.T. -0.19 min
 Lab File: BF092671.D
 Acq: 31 Jan 2017 9:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	40.2	60.4#
89	1.1	62.5	93.7#
182	0.0	1.8	2.8#

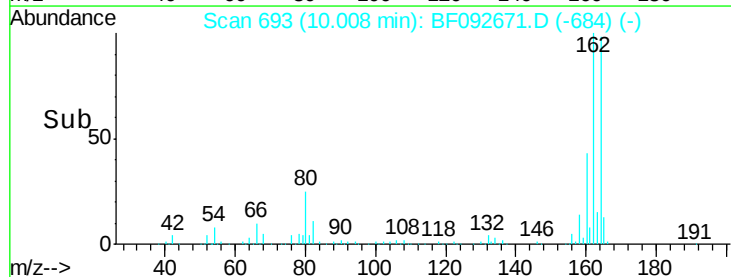
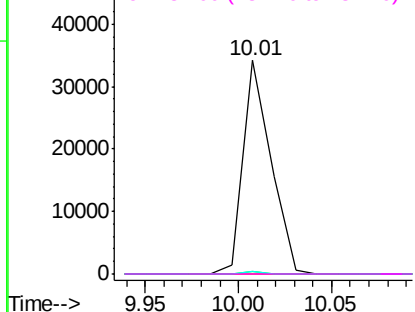


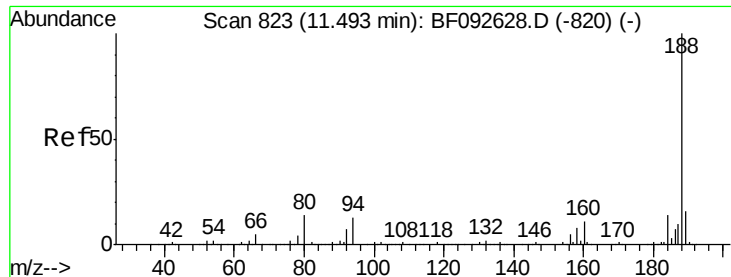
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

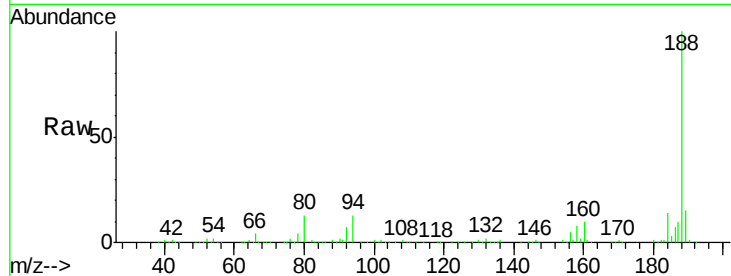




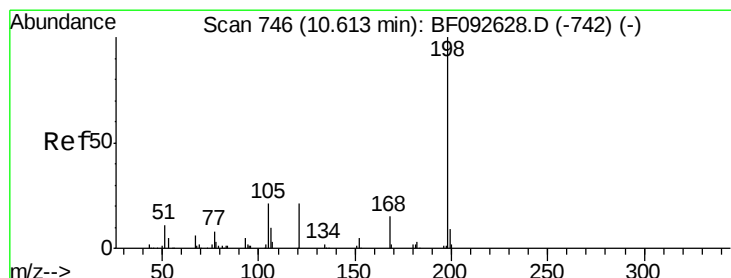
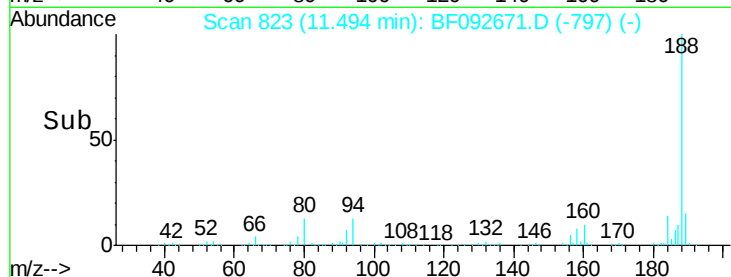
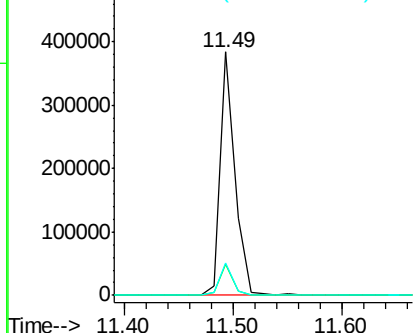
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF092671.D
Acq: 31 Jan 2017 9:28

Instrument :
BNA_F
ClientSampleId :
GUNHILLFB-2-12517

Tot Ion:188 Resp: 366424
Ion Ratio Lower Upper
188 100
94 13.0 10.0 15.0
80 13.4 11.2 16.8

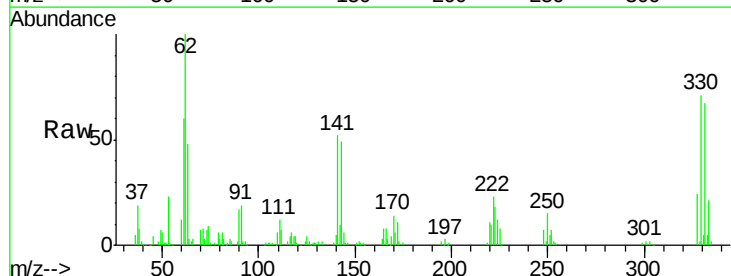


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

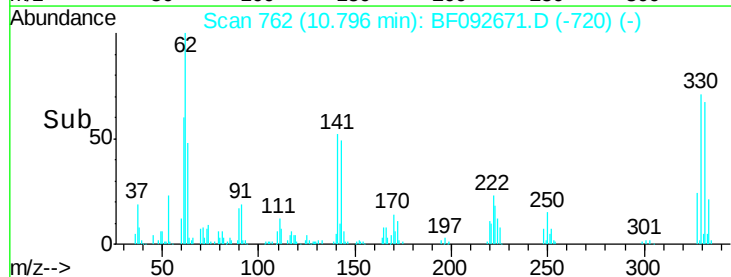
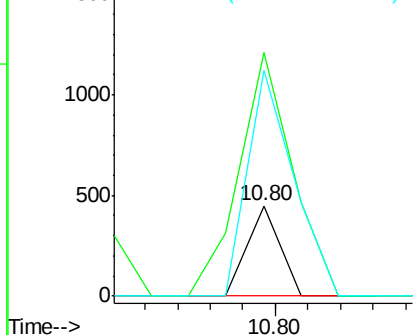


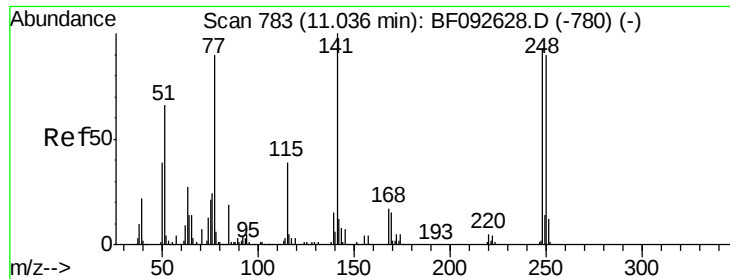
#64
4,6-Dinitro-2-methylphenol
Concen: 2.80 ng
RT: 10.80 min Scan# 762
Delta R.T. 0.18 min
Lab File: BF092671.D
Acq: 31 Jan 2017 9:28

Tgt Ion:198 Resp: 309
Ion Ratio Lower Upper
198 100
51 268.9 6.7 46.7#
105 249.1 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: 3.81 ng

RT: 10.81 min Scan# 763

Delta R.T. -0.23 min

Lab File: BF092671.D

Acq: 31 Jan 2017 9:28

Instrument :

BNA_F

ClientSampleId :

GUNHILLFB-2-12517

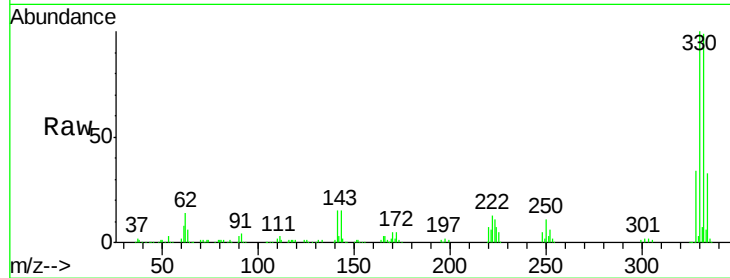
Tot Ion:248 Resp: 14603

Ion Ratio Lower Upper

248 100

250 214.9 76.9 115.3#

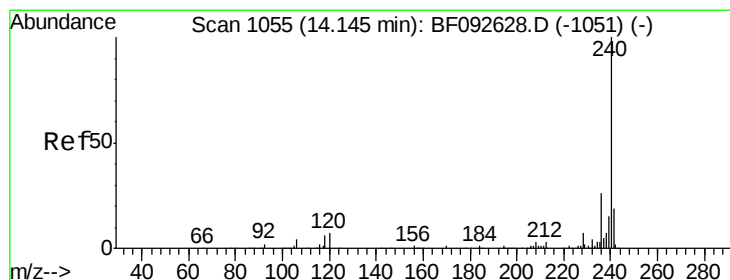
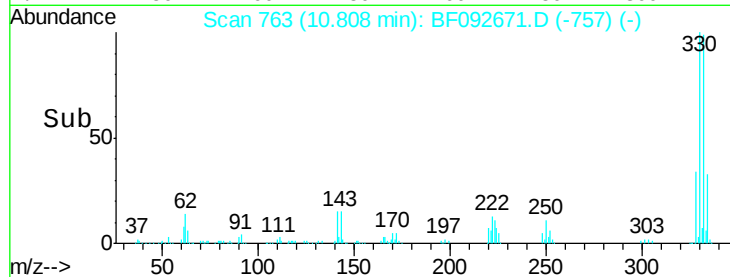
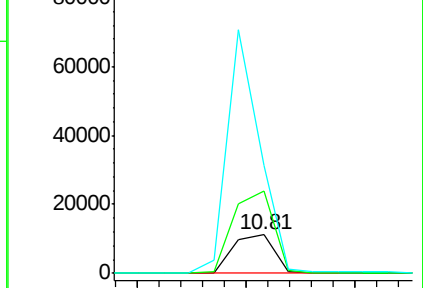
141 282.0 68.2 102.4#



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: 14.13 min Scan# 1054

Delta R.T. -0.01 min

Lab File: BF092671.D

Acq: 31 Jan 2017 9:28

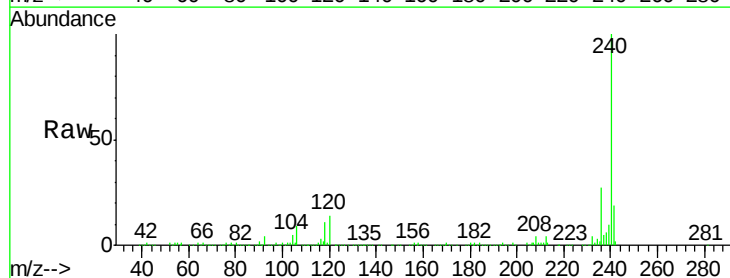
Tgt Ion:240 Resp: 299258

Ion Ratio Lower Upper

240 100

120 13.5 12.9 19.3

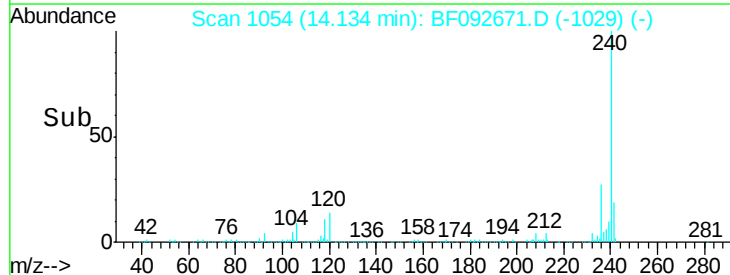
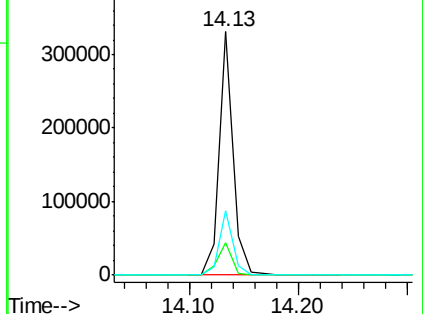
236 26.6 20.9 31.3

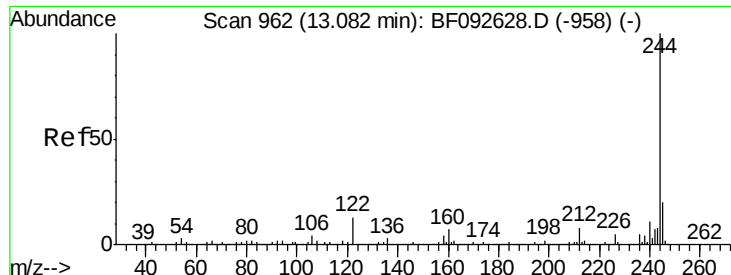


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

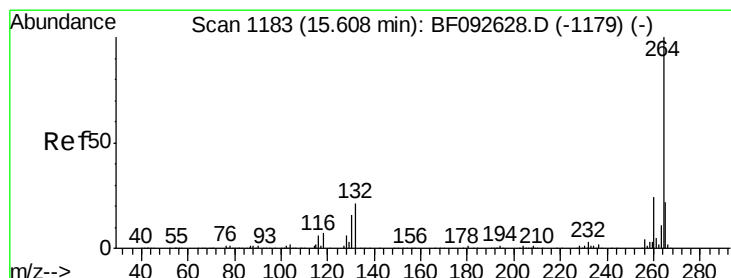
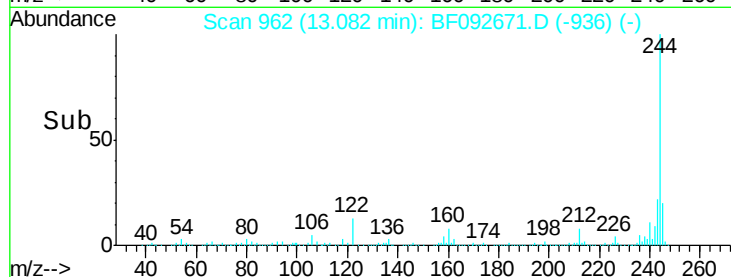
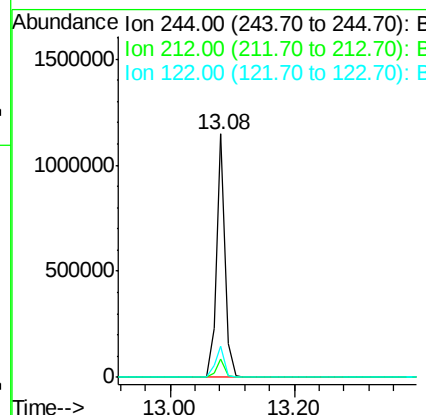
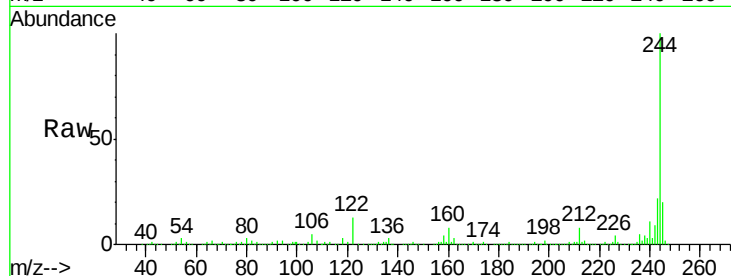




#78
 Terphenyl-d14
 Concen: 84.13 ng
 RT: 13.08 min Scan# 962
 Delta R.T. 0.00 min
 Lab File: BF092671.D
 Acq: 31 Jan 2017 9:28

Instrument :
 BNA_F
 ClientSampleId :
 GUNHILLFB-2-12517

Tot Ion:244 Resp: 1071461
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 13.0 11.4 17.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.61 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF092671.D
 Acq: 31 Jan 2017 9:28

Tgt Ion:264 Resp: 207068
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.2 28.8
 265 21.0 17.4 26.0

