

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062916\
 Data File : BG022708.D
 Acq On : 30 Jun 2016 00:39
 Operator : UM/SJ
 Sample : H3828-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S8-0582

Quant Time: Jun 30 04:30:35 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 20:14:59 2016
 Response via : Initial Calibration

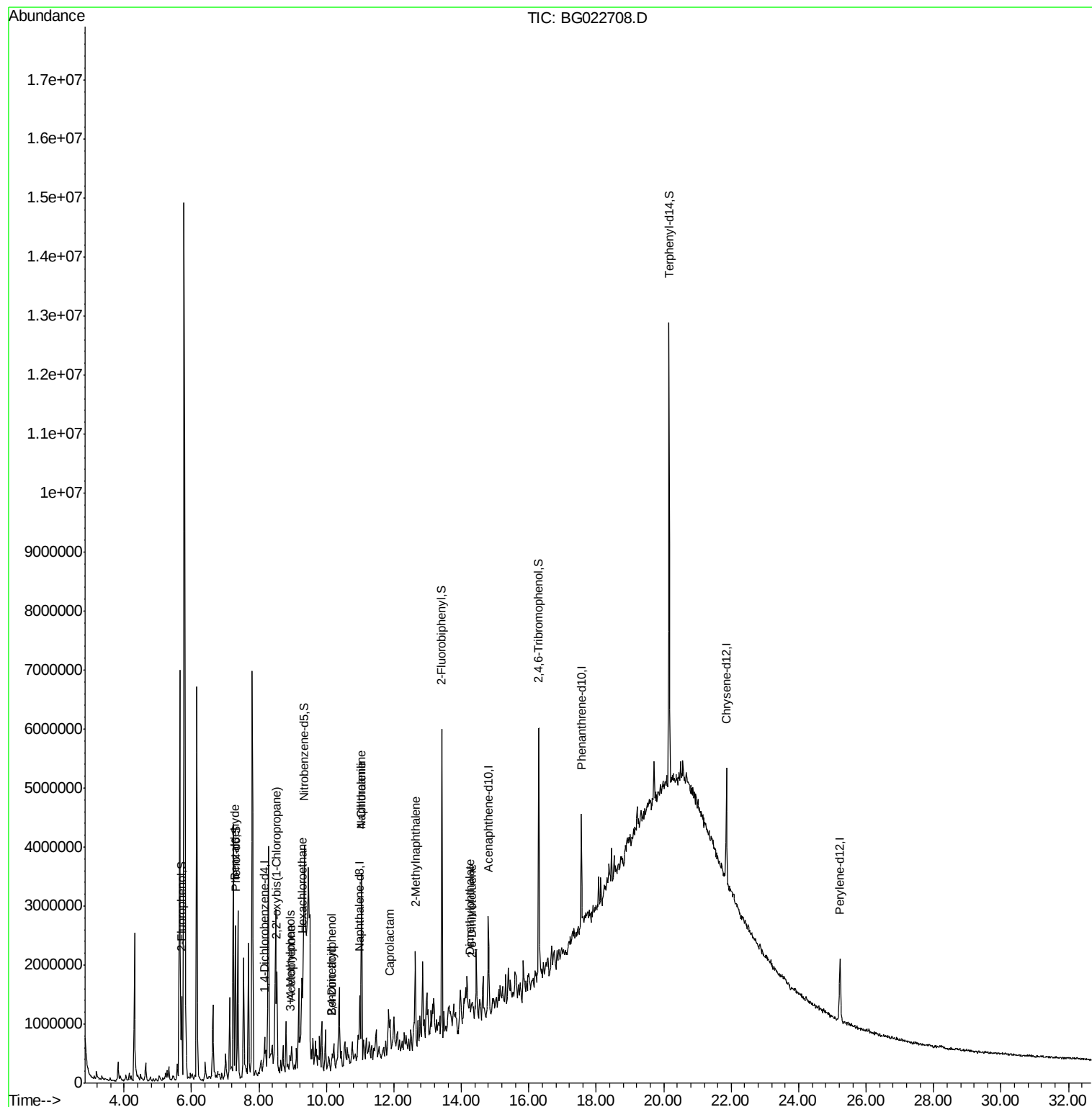
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	169546	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	738483	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	519557	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	1086809	20.00	ng	0.00
75) Chrysene-d12	21.86	240	1250025	20.00	ng	0.01
86) Perylene-d12	25.23	264	1235278	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	500681	47.37	ng	0.00
7) Phenol-d6	7.31	99	485227	32.57	ng	0.00
23) Nitrobenzene-d5	9.34	82	1288287	73.83	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	854699	104.59	ng	0.01
44) 2-Fluorobiphenyl	13.42	172	2445962	74.66	ng	0.00
78) Terphenyl-d14	20.16	244	2786414	59.06	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.30	77	177598	33.87	ng	# 1
16) 2,2'-oxybis(1-Chloropropan	8.52	45	95106	6.63	ng	94
18) Hexachloroethane	9.28	117	107009	19.35	ng	# 1
20) 3+4-Methylphenols	8.92	107	78290	5.48	ng	83
22) Acetophenone	8.97	105	321340	15.05	ng	# 58
27) 2,4-Dimethylphenol	10.15	122	40634	3.06	ng	91
31) Naphthalene	11.04	128	2200138	59.27	ng	95
32) Benzoic acid	10.15	122	40634	9.30	ng	# 19
33) 4-Chloroaniline	11.04	127	348610	21.80	ng	# 34
35) Caprolactam	11.87	113	10745	2.64	ng	# 1
37) 2-Methylnaphthalene	12.63	142	710545	24.68	ng	95
49) Dimethylphthalate	14.25	163	88313	2.05	ng	98
50) 2,6-Dinitrotoluene	14.32	165	38557	4.12	ng	# 26

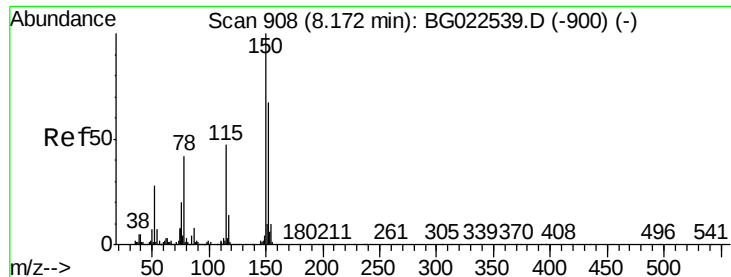
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG022708.D

Acq: 30 Jun 2016 00:39

Instrument :

BNA_G

ClientSampleId :

S8-0582

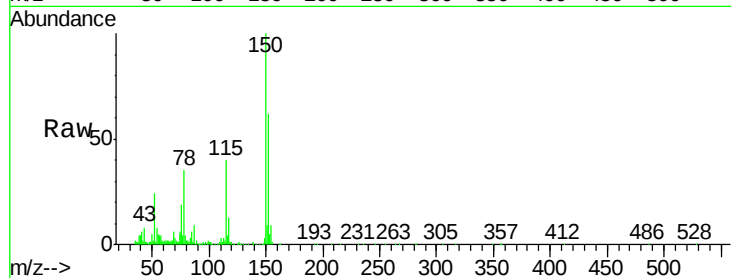
Tgt Ion:152 Resp: 169546

Ion Ratio Lower Upper

152 100

150 162.0 144.7 217.1

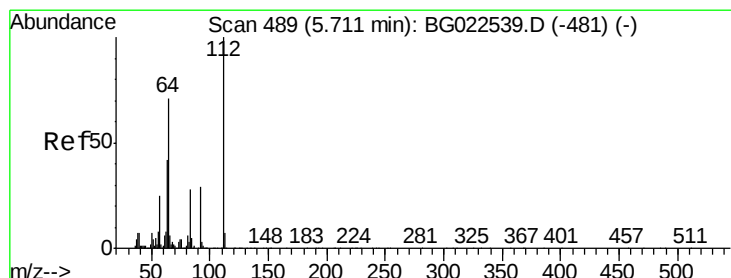
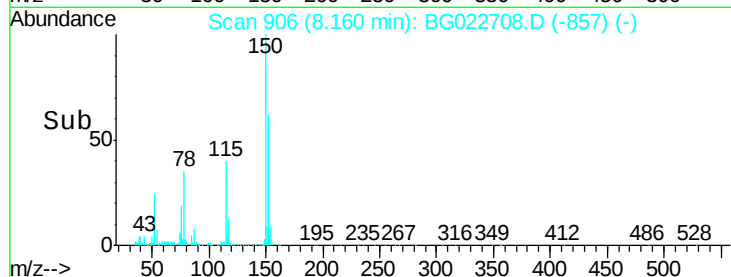
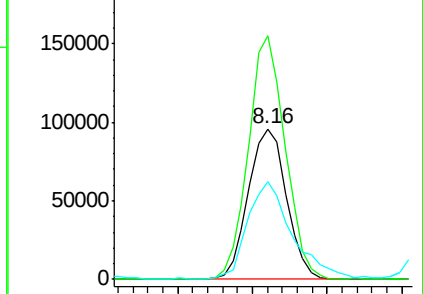
115 65.4 64.0 96.0



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: 47.37 ng

RT: 5.70 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG022708.D

Acq: 30 Jun 2016 00:39

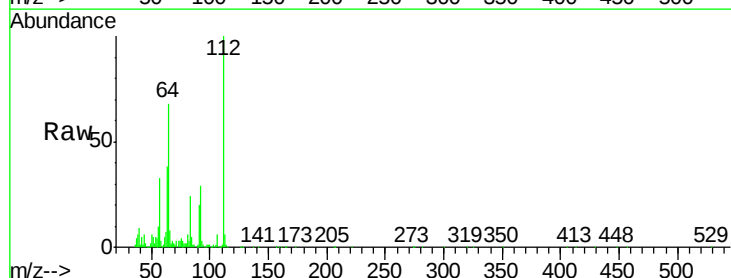
Tgt Ion:112 Resp: 500681

Ion Ratio Lower Upper

112 100

64 68.2 59.0 88.4

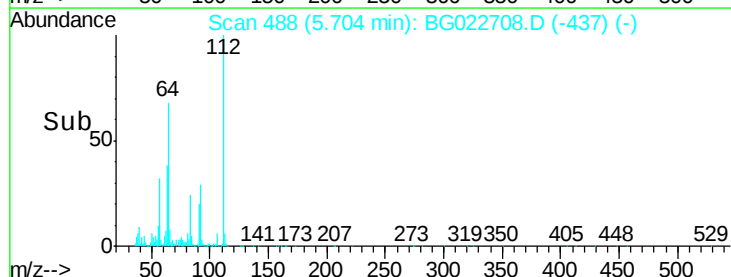
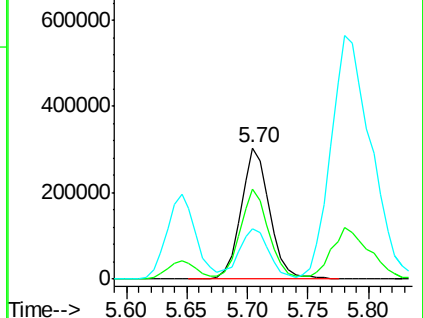
63 37.9 37.8 56.8

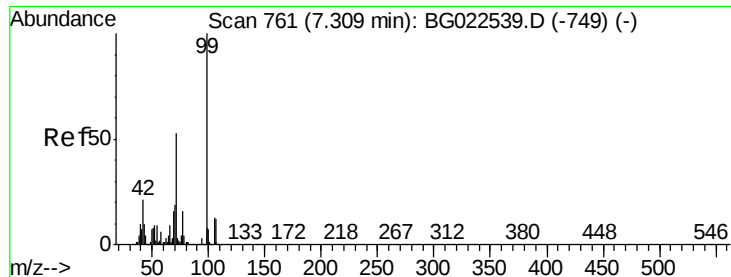


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 32.57 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG022708.D

Acq: 30 Jun 2016 00:39

Instrument :

BNA_G

ClientSampled :

S8-0582

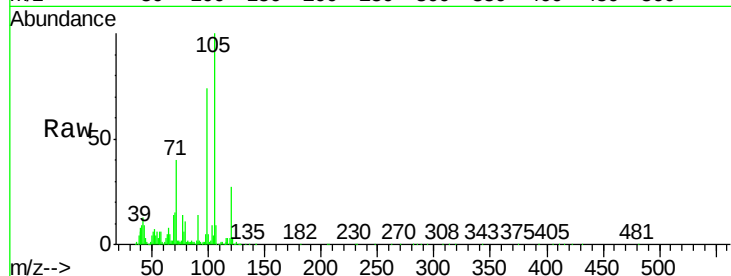
Tgt Ion: 99 Resp: 485227

Ion Ratio Lower Upper

99 100

42 17.7 17.8 26.6#

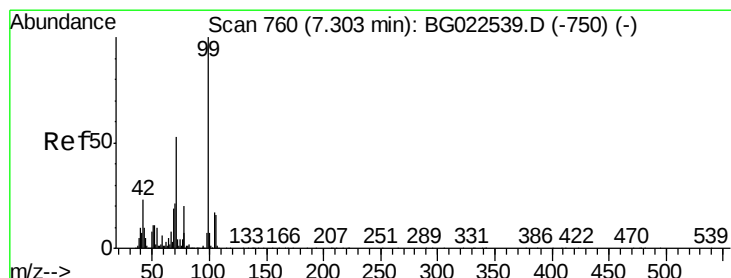
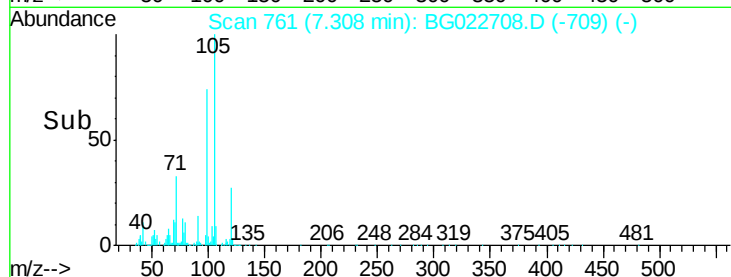
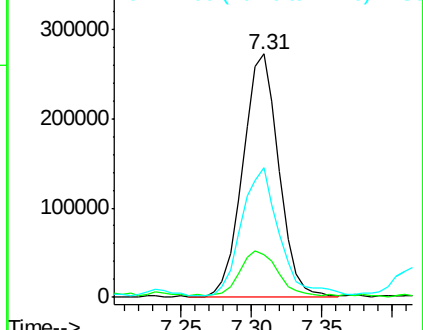
71 53.2 41.5 62.3



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#9

Benzaldehyde

Concen: 33.87 ng

RT: 7.30 min Scan# 759

Delta R.T. -0.00 min

Lab File: BG022708.D

Acq: 30 Jun 2016 00:39

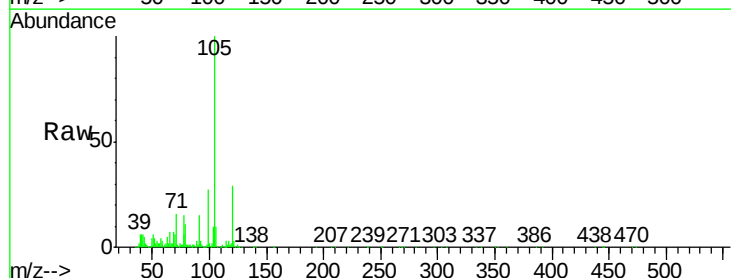
Tgt Ion: 77 Resp: 177598

Ion Ratio Lower Upper

77 100

105 662.1 58.7 98.7#

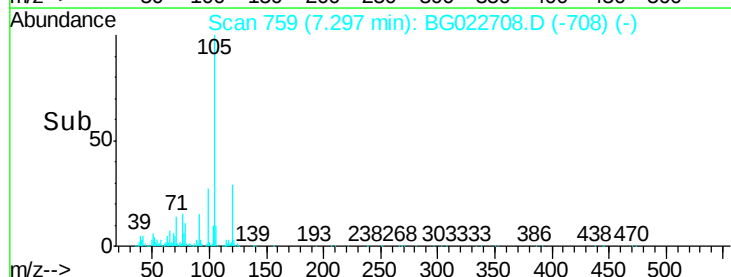
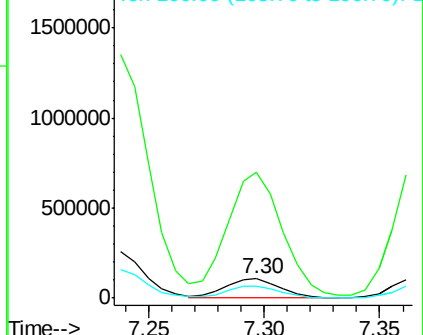
106 63.0 67.5 107.5#

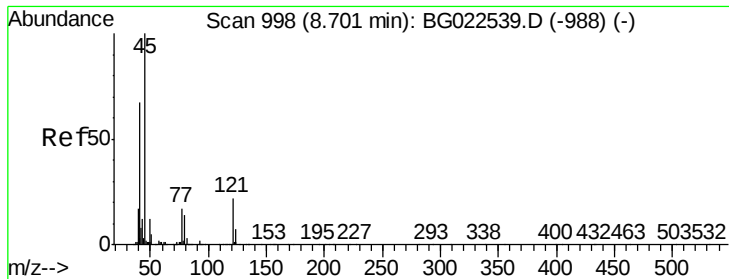


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC

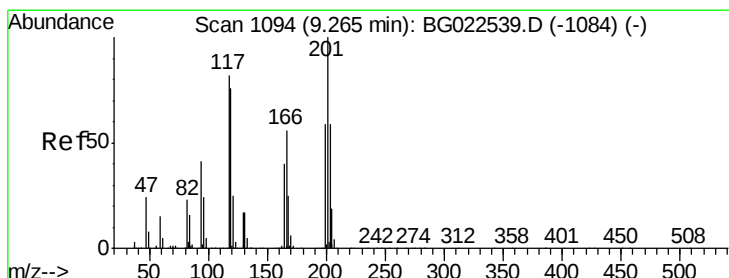
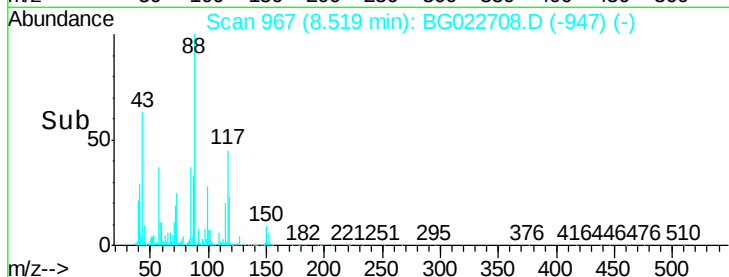
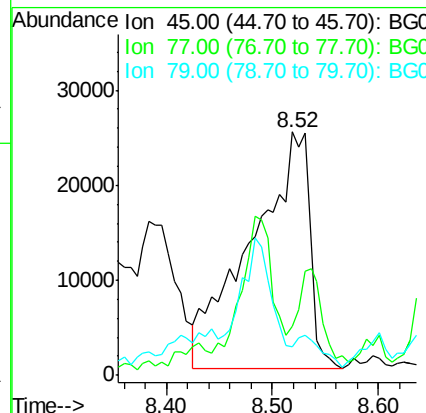
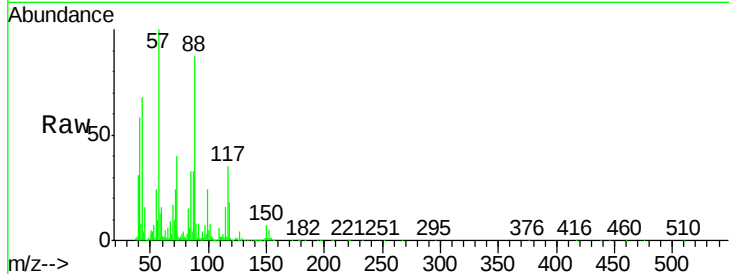




#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.63 ng
RT: 8.52 min Scan# 967
Delta R.T. -0.18 min
Lab File: BG022708.D
Acq: 30 Jun 2016 00:39

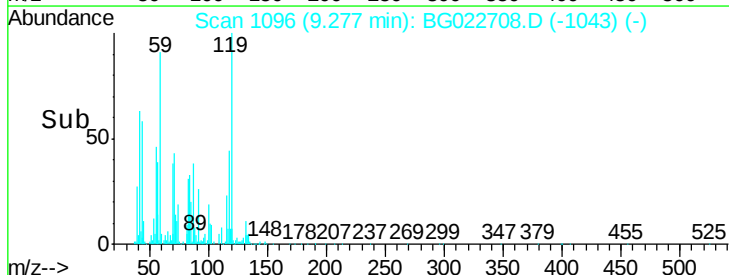
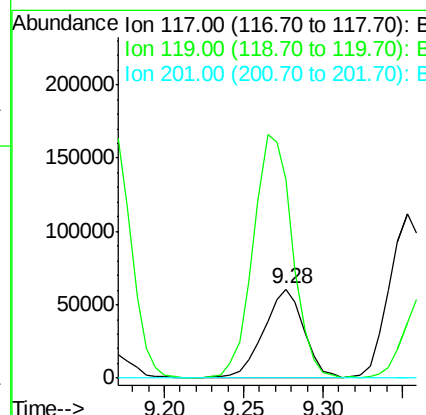
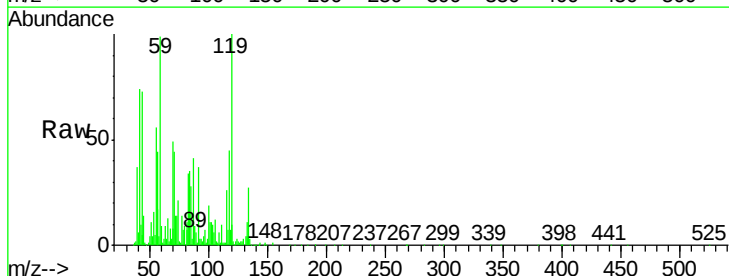
Instrument :
BNA_G
ClientSampleId :
S8-0582

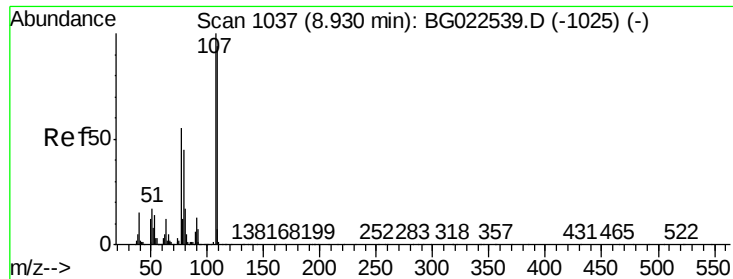
Tgt Ion: 45 Resp: 95106
Ion Ratio Lower Upper
45 100
77 19.9 0.6 40.6
79 11.6 0.0 36.2



#18
Hexachloroethane
Concen: 19.35 ng
RT: 9.28 min Scan# 1096
Delta R.T. 0.01 min
Lab File: BG022708.D
Acq: 30 Jun 2016 00:39

Tgt Ion: 117 Resp: 107009
Ion Ratio Lower Upper
117 100
119 224.1 73.7 110.5#
201 0.0 88.7 133.1#





#20

3+4-Methylphenols

Concen: 5.48 ng

RT: 8.92 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BG022708.D

Acq: 30 Jun 2016 00:39

Instrument :

BNA_G

ClientSampleId :

S8-0582

Tgt Ion:107 Resp: 78290

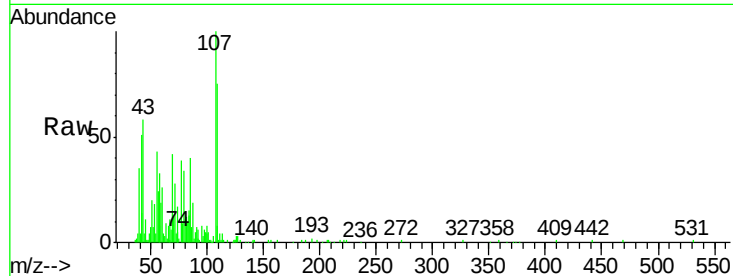
Ion Ratio Lower Upper

107 100

108 74.9 72.5 112.5

77 38.5 30.1 70.1

79 34.2 24.2 64.2

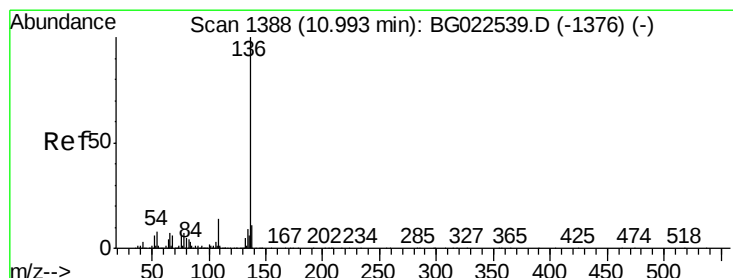
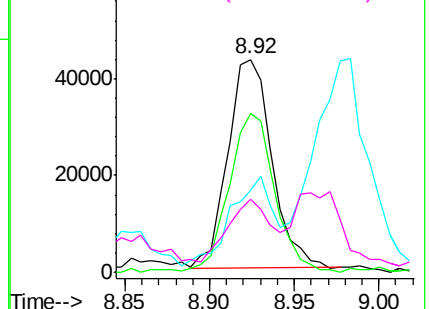
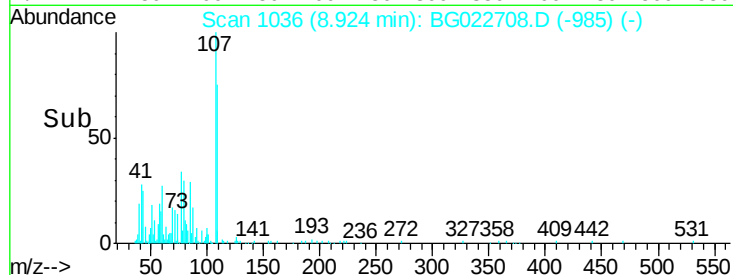


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.99 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BG022708.D

Acq: 30 Jun 2016 00:39

Tgt Ion:136 Resp: 738483

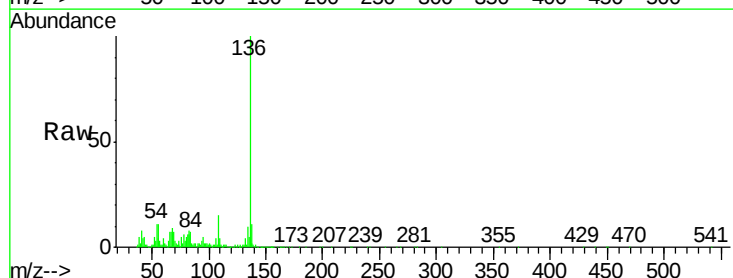
Ion Ratio Lower Upper

136 100

137 11.0 9.6 14.4

54 10.6 7.3 10.9

68 8.8 5.3 7.9#

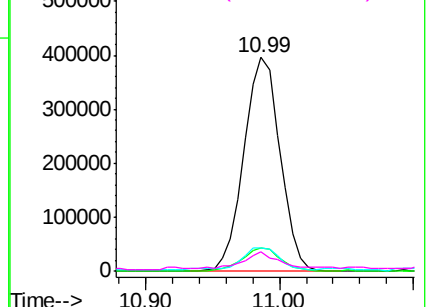
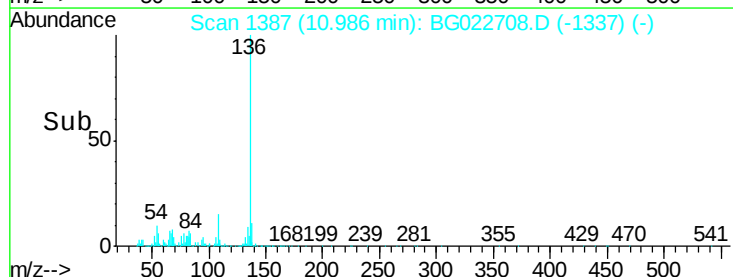


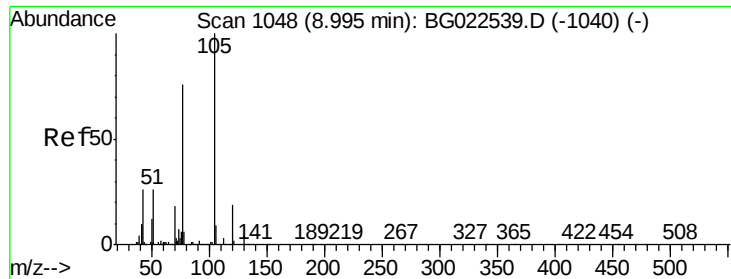
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG





#22

Acetophenone

Concen: 15.05 ng

RT: 8.97 min Scan# 1043

Delta R.T. -0.02 min

Lab File: BG022708.D

Acq: 30 Jun 2016 00:39

Instrument :

BNA_G

ClientSampleId :

S8-0582

Tgt Ion: 105 Resp: 321340

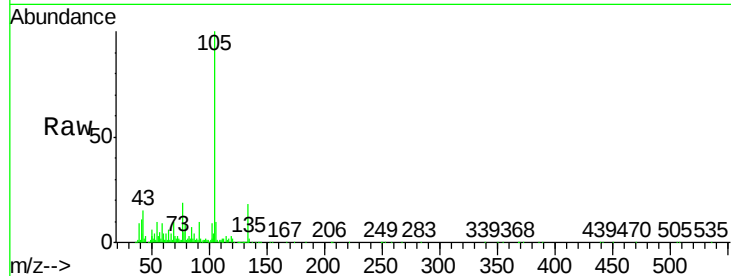
Ion Ratio Lower Upper

105 100

71 2.1 2.6 3.8#

51 6.2 27.1 40.7#

120 2.1 15.1 22.7#

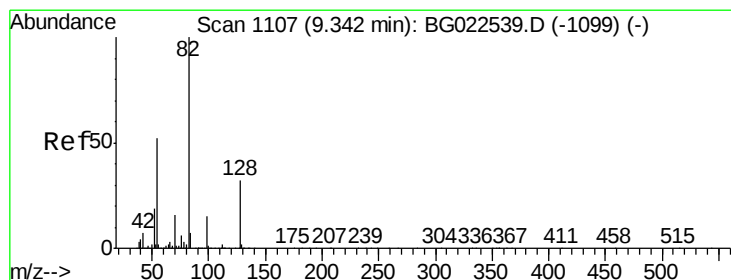
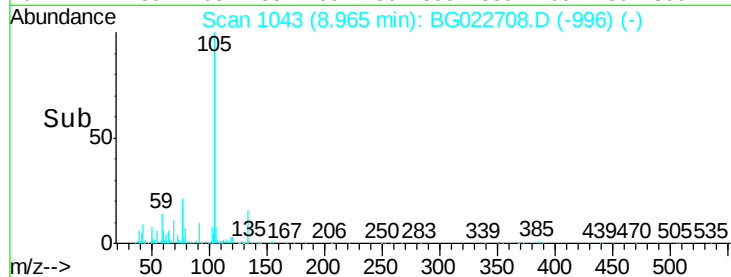
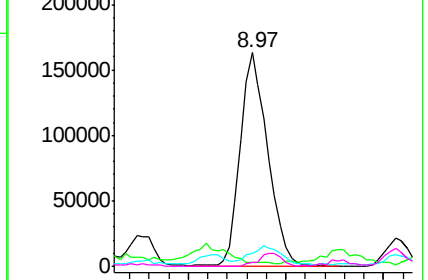


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 73.83 ng

RT: 9.34 min Scan# 1106

Delta R.T. -0.00 min

Lab File: BG022708.D

Acq: 30 Jun 2016 00:39

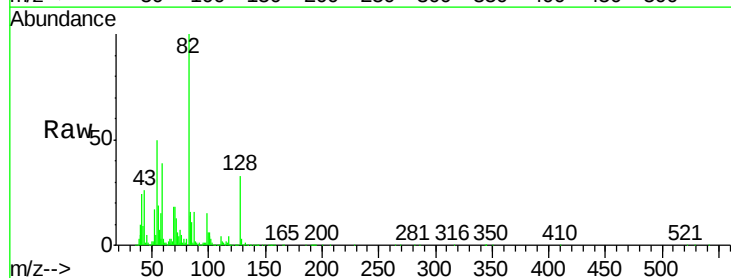
Tgt Ion: 82 Resp: 1288287

Ion Ratio Lower Upper

82 100

128 33.4 24.4 36.6

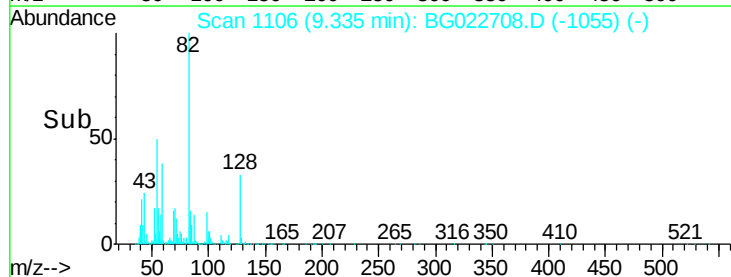
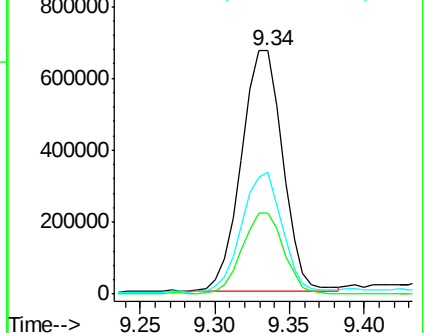
54 50.2 41.4 62.0

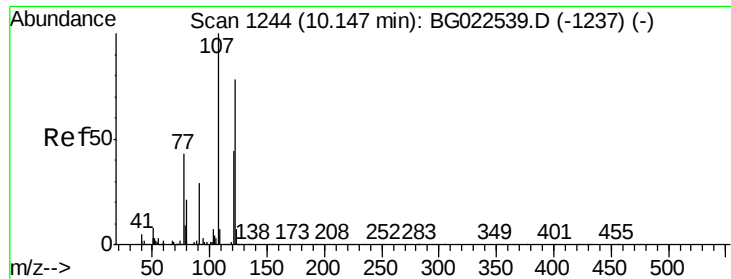


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

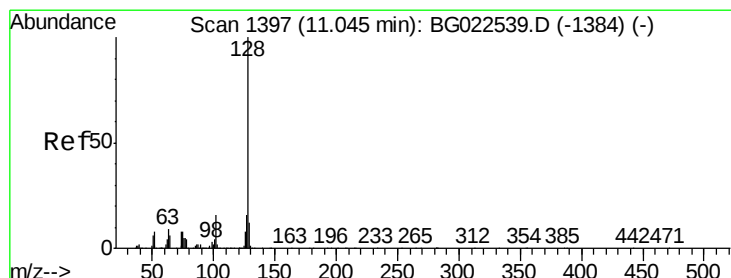
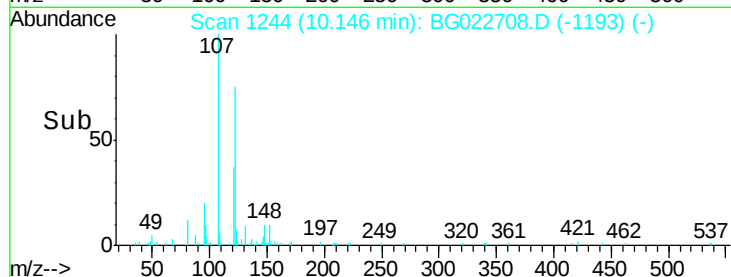
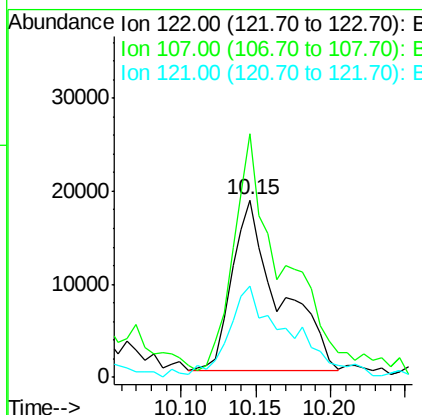
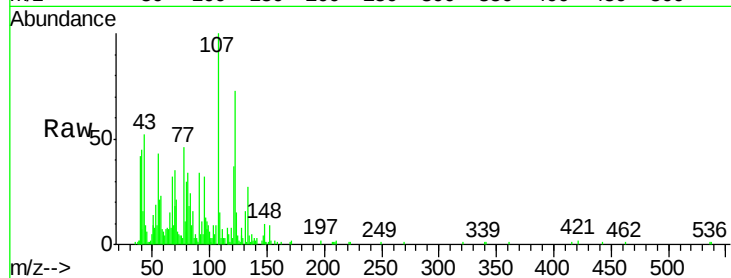




#27
 2,4-Dimethylphenol
 Concen: 3.06 ng
 RT: 10.15 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: BG022708.D
 Acq: 30 Jun 2016 00:39

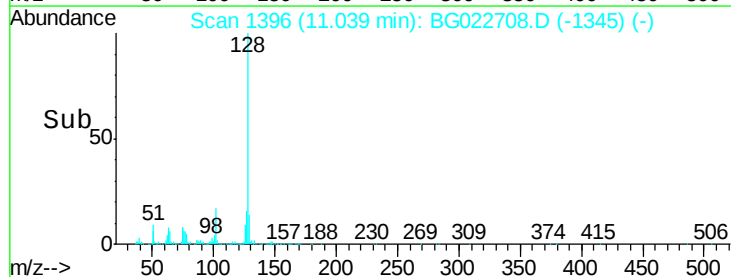
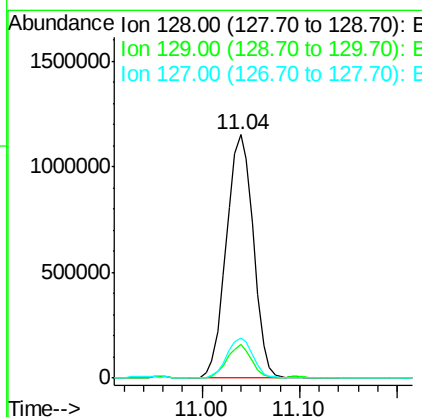
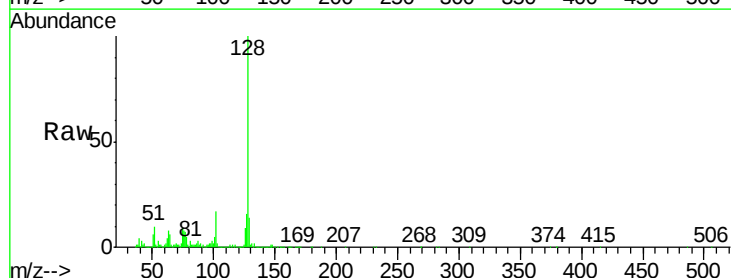
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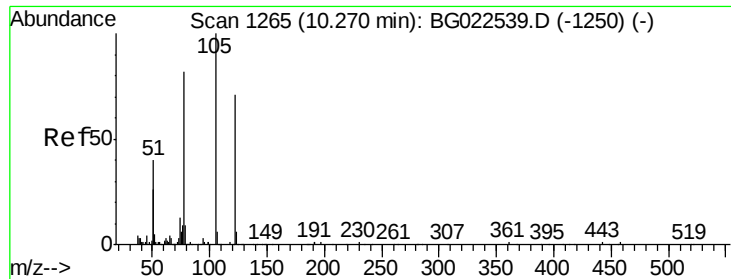
Tgt Ion:122 Resp: 40634
 Ion Ratio Lower Upper
 122 100
 107 137.5 117.0 175.4
 121 51.5 50.1 75.1



#31
 Naphthalene
 Concen: 59.27 ng
 RT: 11.04 min Scan# 1396
 Delta R.T. -0.00 min
 Lab File: BG022708.D
 Acq: 30 Jun 2016 00:39

Tgt Ion:128 Resp: 2200138
 Ion Ratio Lower Upper
 128 100
 129 13.6 9.4 14.0
 127 16.2 11.3 16.9





#32

Benzoic acid

Concen: 9.30 ng

RT: 10.15 min Scan# 1244

Delta R.T. -0.05 min

Lab File: BG022708.D

Acq: 30 Jun 2016 00:39

Instrument :

BNA_G

ClientSampleId :

S8-0582

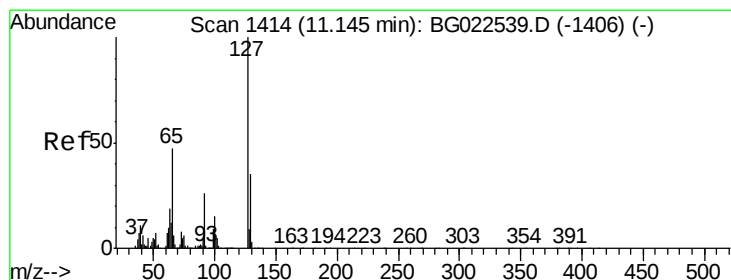
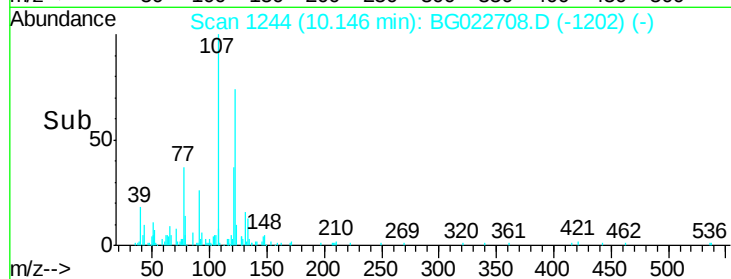
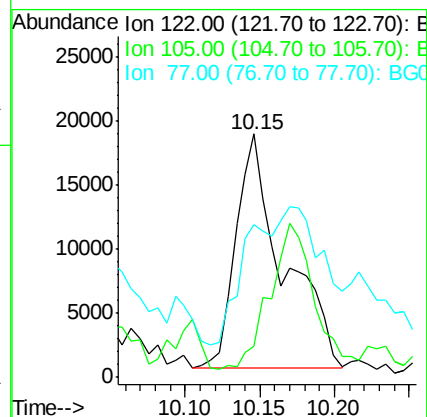
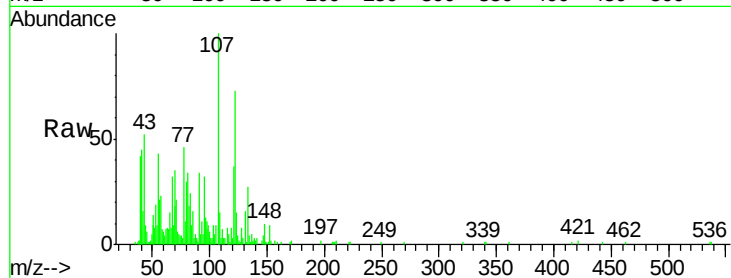
Tgt Ion:122 Resp: 40634

Ion Ratio Lower Upper

122 100

105 12.6 117.2 157.2#

77 62.6 109.2 149.2#



#33

4-Chloroaniline

Concen: 21.80 ng

RT: 11.04 min Scan# 1396

Delta R.T. -0.11 min

Lab File: BG022708.D

Acq: 30 Jun 2016 00:39

Tgt Ion:127 Resp: 348610

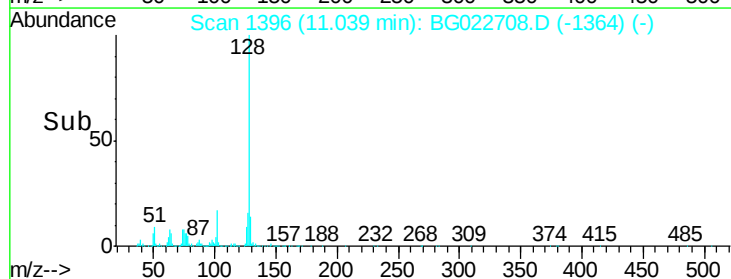
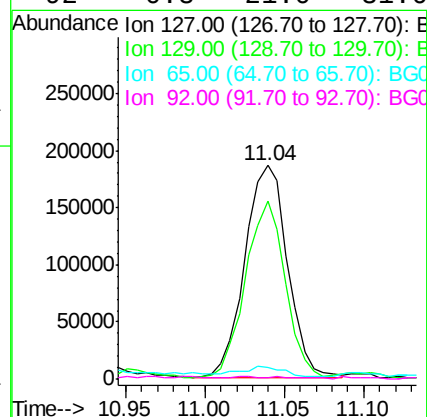
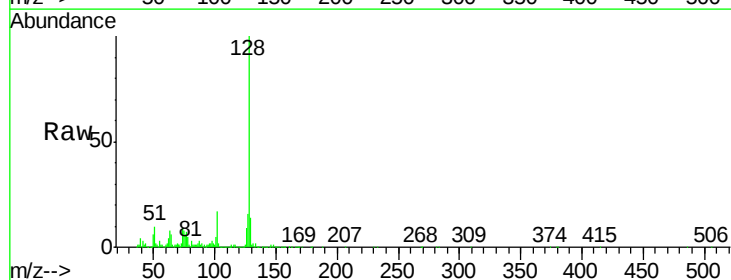
Ion Ratio Lower Upper

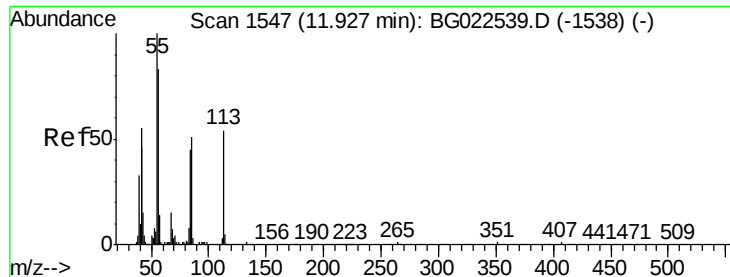
127 100

129 83.6 27.9 41.9#

65 5.5 36.8 55.2#

92 0.8 21.0 31.6#





#35

Caprolactam

Concen: 2.64 ng

RT: 11.87 min Scan# 1538

Delta R.T. -0.02 min

Lab File: BG022708.D

Acq: 30 Jun 2016 00:39

Instrument :

BNA_G

ClientSampleId :

S8-0582

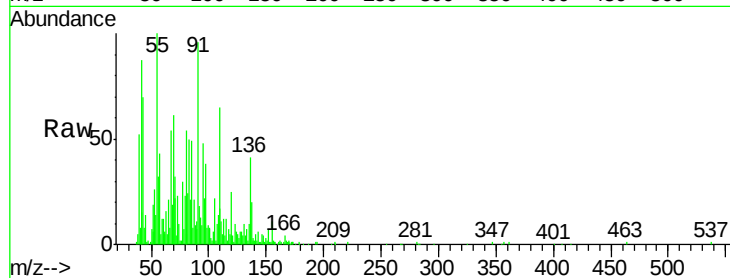
Tgt Ion:113 Resp: 10745

Ion Ratio Lower Upper

113 100

55 832.8 154.5 194.5#

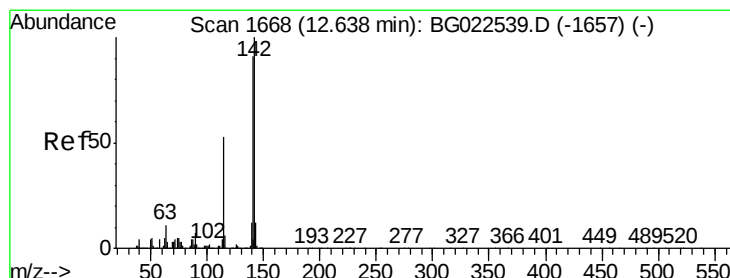
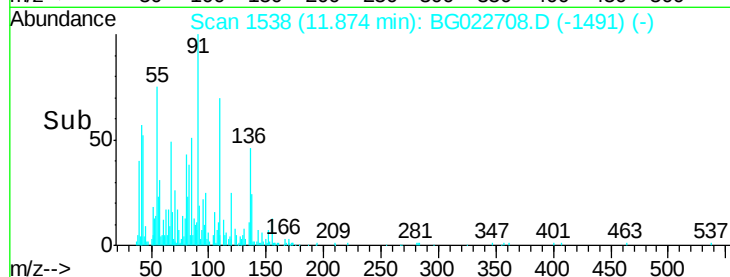
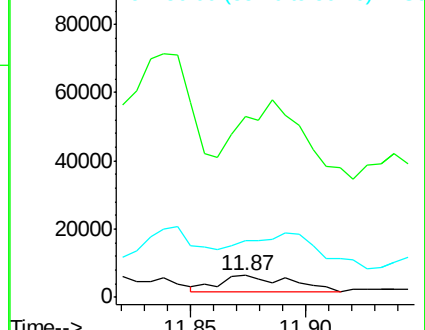
56 265.0 125.1 165.1#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#37

2-Methylnaphthalene

Concen: 24.68 ng

RT: 12.63 min Scan# 1667

Delta R.T. -0.01 min

Lab File: BG022708.D

Acq: 30 Jun 2016 00:39

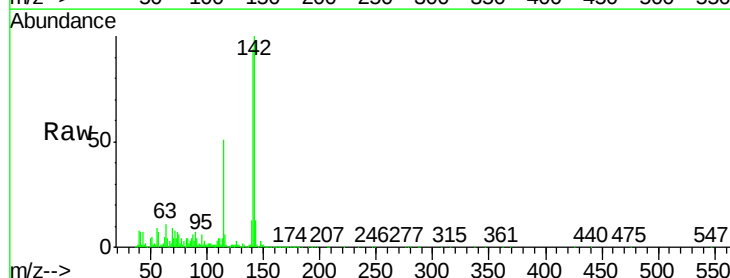
Tgt Ion:142 Resp: 710545

Ion Ratio Lower Upper

142 100

141 93.8 70.2 105.2

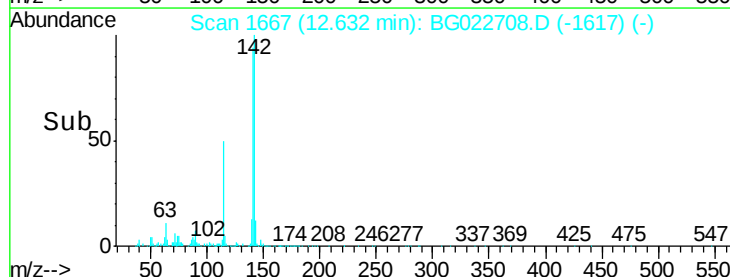
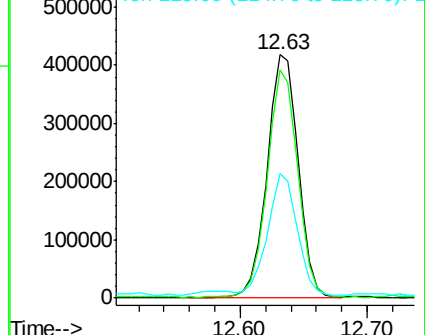
115 50.9 41.7 62.5

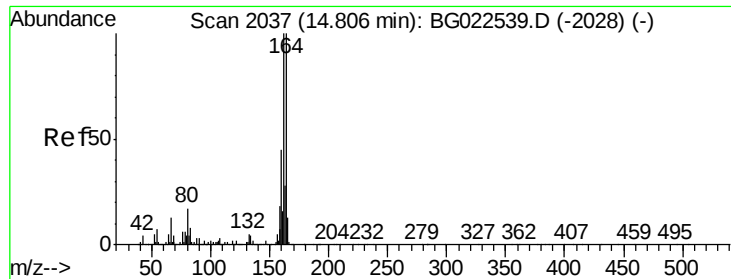


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2036

Delta R.T. -0.00 min

Lab File: BG022708.D

Acq: 30 Jun 2016 00:39

Instrument :

BNA_G

ClientSampleId :

S8-0582

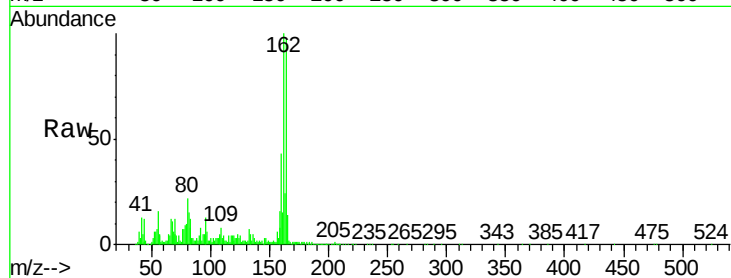
Tgt Ion:164 Resp: 519557

Ion Ratio Lower Upper

164 100

162 103.3 87.7 131.5

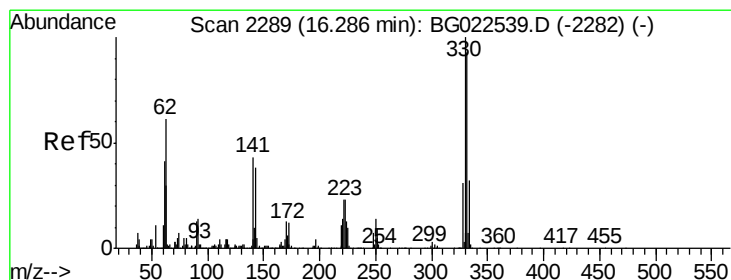
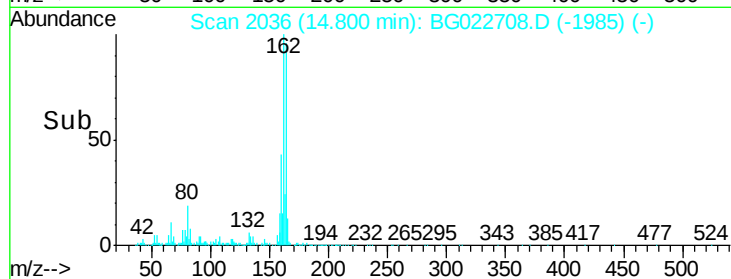
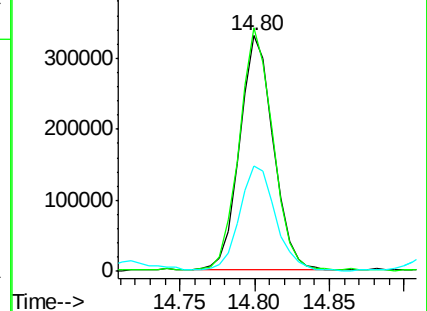
160 44.6 37.2 55.8



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: 104.59 ng

RT: 16.30 min Scan# 2291

Delta R.T. 0.01 min

Lab File: BG022708.D

Acq: 30 Jun 2016 00:39

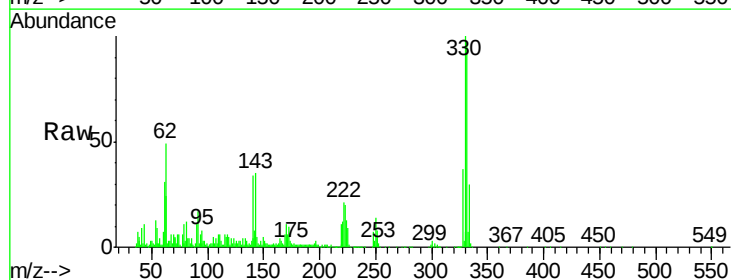
Tgt Ion:330 Resp: 854699

Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.2

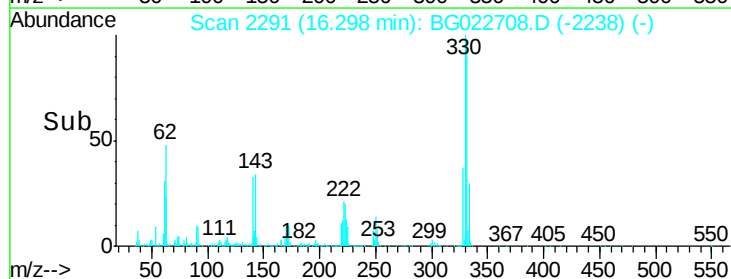
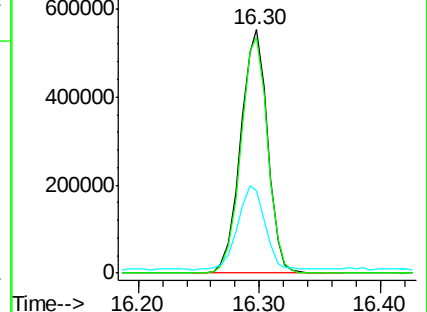
141 35.1 31.7 47.5

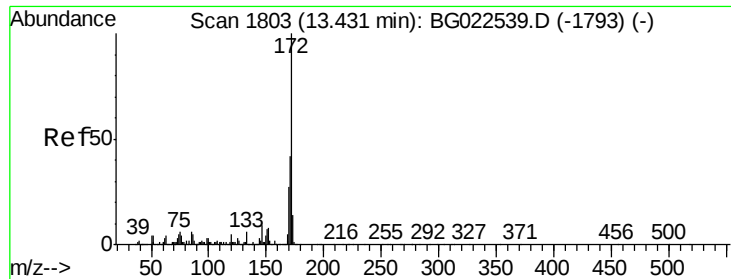


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 74.66 ng

RT: 13.42 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BG022708.D

Acq: 30 Jun 2016 00:39

Instrument :

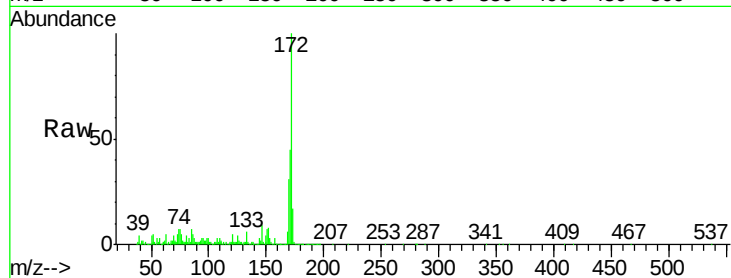
BNA_G

ClientSampleId :

S8-0582

Tgt Ion:172 Resp: 2445962

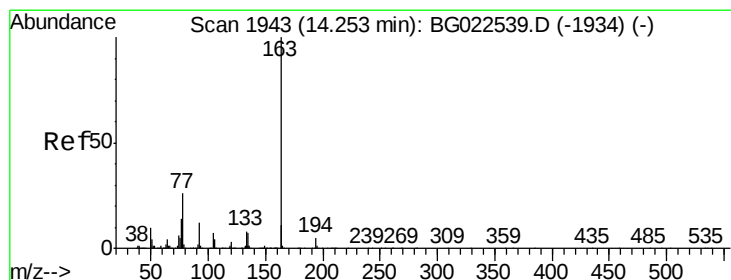
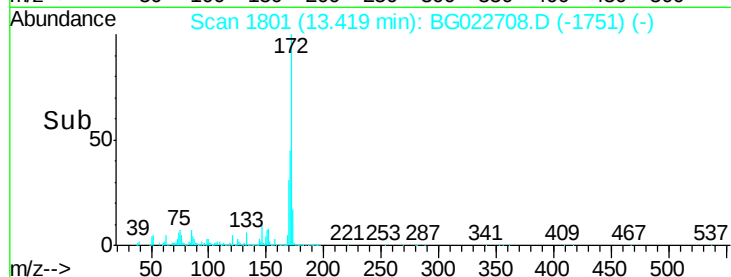
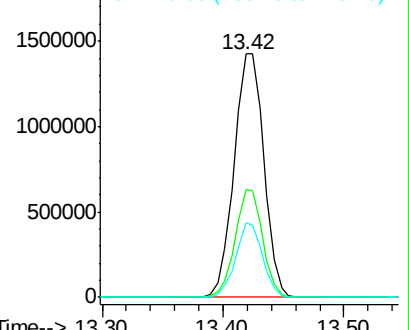
Ion	Ratio	Lower	Upper
172	100		
171	44.5	31.6	47.4
170	30.7	21.3	31.9



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: 2.05 ng

RT: 14.25 min Scan# 1942

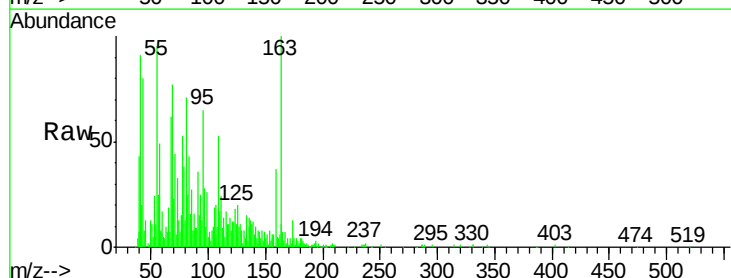
Delta R.T. -0.00 min

Lab File: BG022708.D

Acq: 30 Jun 2016 00:39

Tgt Ion:163 Resp: 88313

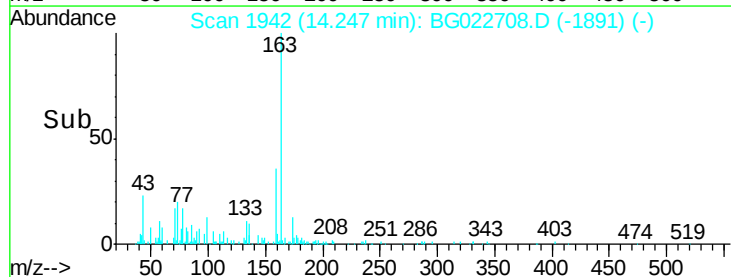
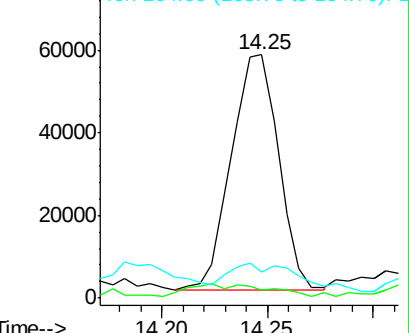
Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.6	5.4
164	10.7	8.1	12.1

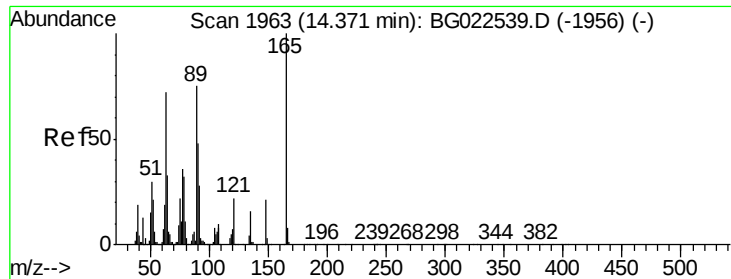


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

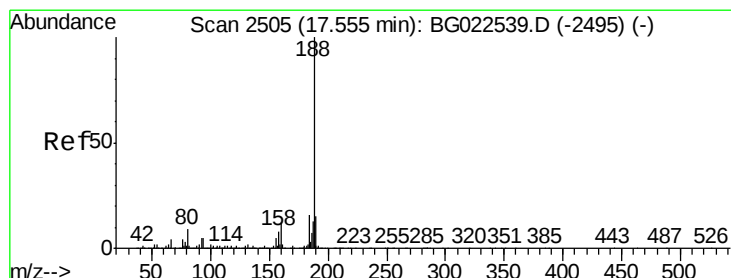
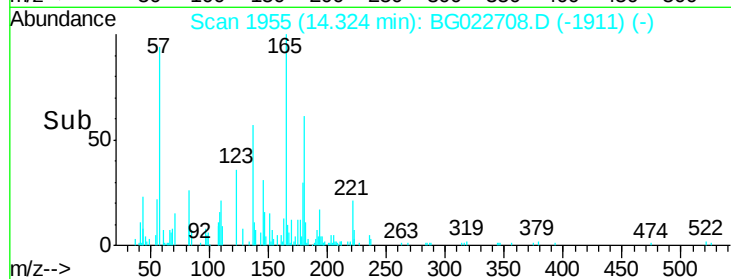
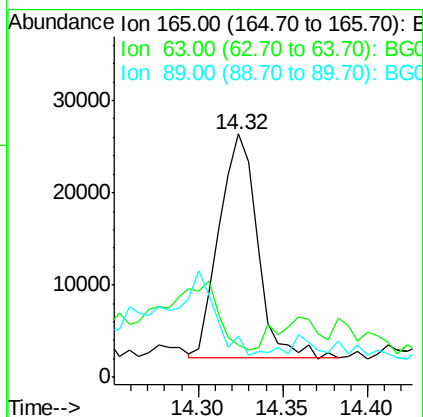
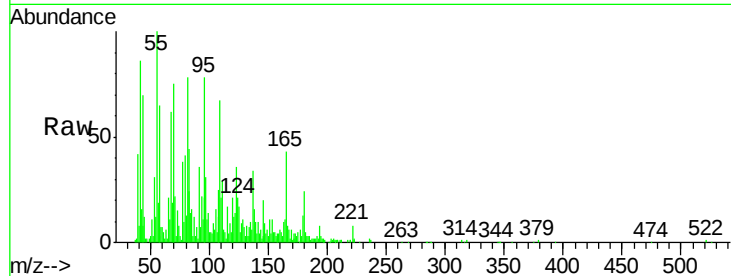




#50
2,6-Dinitrotoluene
Concen: 4.12 ng
RT: 14.32 min Scan# 1955
Delta R.T. -0.04 min
Lab File: BG022708.D
Acq: 30 Jun 2016 00:39

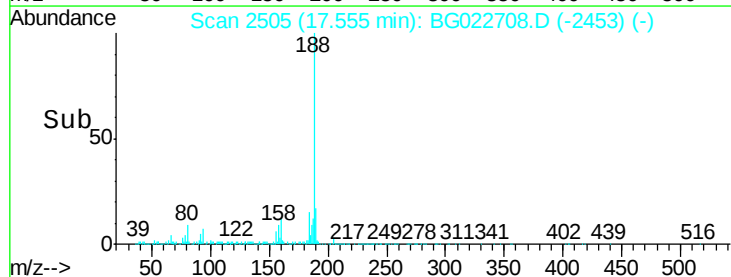
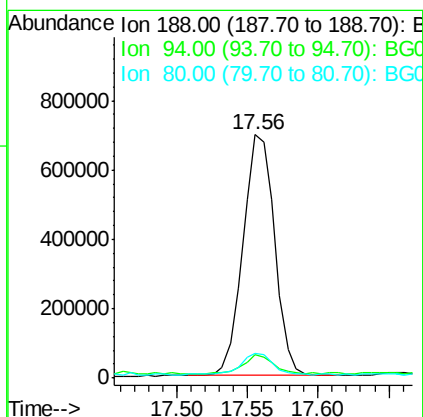
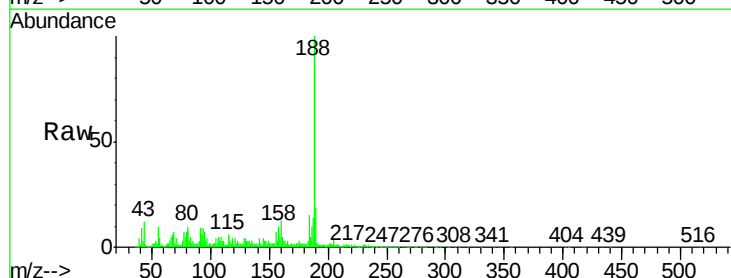
Instrument :
BNA_G
ClientSampleId :
S8-0582

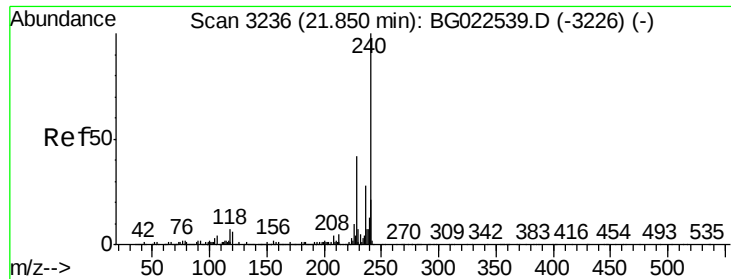
Tgt Ion:165 Resp: 38557
Ion Ratio Lower Upper
165 100
63 13.2 64.3 96.5#
89 17.0 64.3 96.5#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. 0.00 min
Lab File: BG022708.D
Acq: 30 Jun 2016 00:39

Tgt Ion:188 Resp: 1086809
Ion Ratio Lower Upper
188 100
94 9.4 5.2 7.8#
80 10.1 7.2 10.8

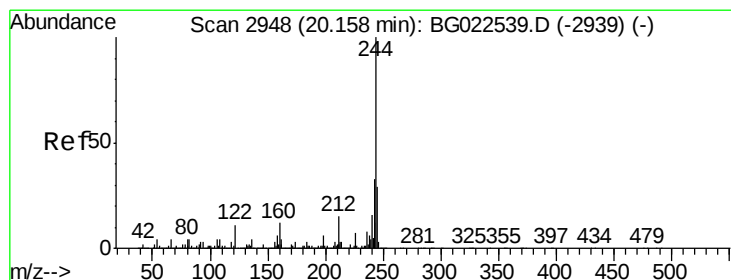
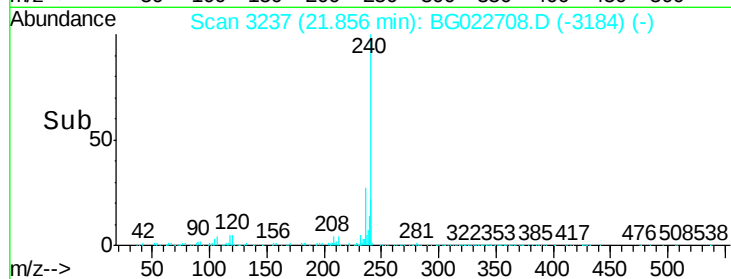
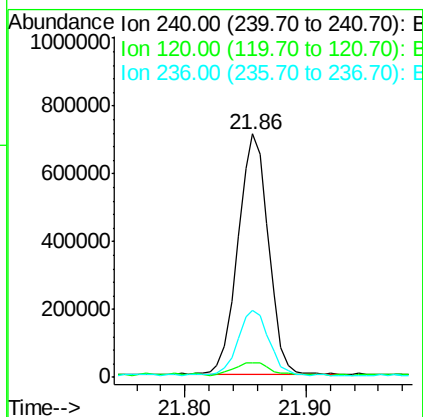
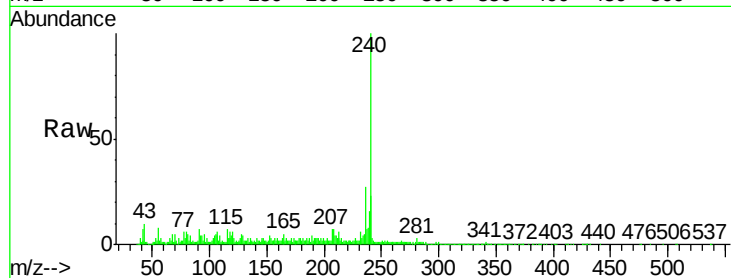




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.86 min Scan# 3237
 Delta R.T. 0.01 min
 Lab File: BG022708.D
 Acq: 30 Jun 2016 00:39

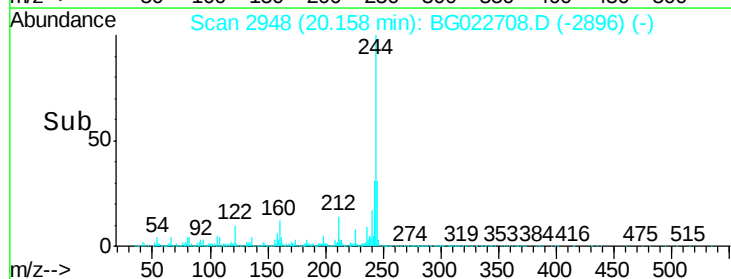
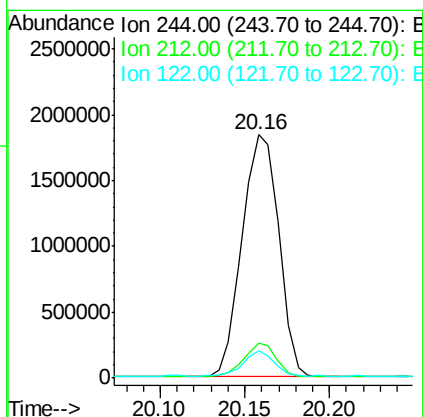
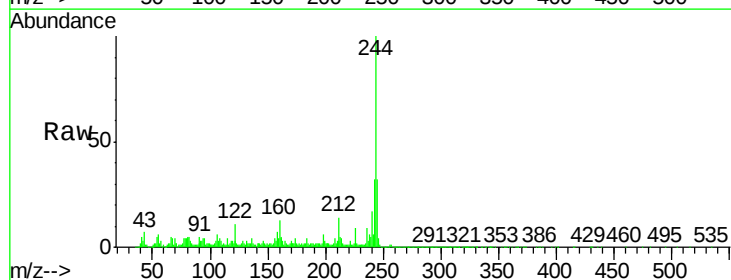
Instrument :
 BNA_G
 ClientSampleId :
 S8-0582

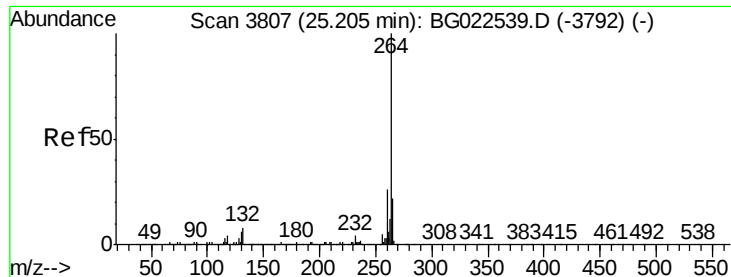
Tgt Ion:240 Resp: 1250025
 Ion Ratio Lower Upper
 240 100
 120 6.1 4.1 6.1#
 236 27.4 21.1 31.7



#78
 Terphenyl-d14
 Concen: 59.06 ng
 RT: 20.16 min Scan# 2948
 Delta R.T. 0.01 min
 Lab File: BG022708.D
 Acq: 30 Jun 2016 00:39

Tgt Ion:244 Resp: 2786414
 Ion Ratio Lower Upper
 244 100
 212 14.3 10.8 16.2
 122 11.1 8.0 12.0





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.23 min Scan# 3811
Delta R.T. 0.02 min
Lab File: BG022708.D
Acq: 30 Jun 2016 00:39

Instrument :
BNA_G
ClientSampleId :
S8-0582

Tgt Ion: 264 Resp: 1235278

Ion	Ratio	Lower	Upper
264	100		
260	25.5	18.4	27.6
265	24.2	18.9	28.3

