

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
 Data File : BG022712.D
 Acq On : 30 Jun 2016 3:19
 Operator : UM/SJ
 Sample : H3828-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S8-0578

Quant Time: Jun 30 13:55:32 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

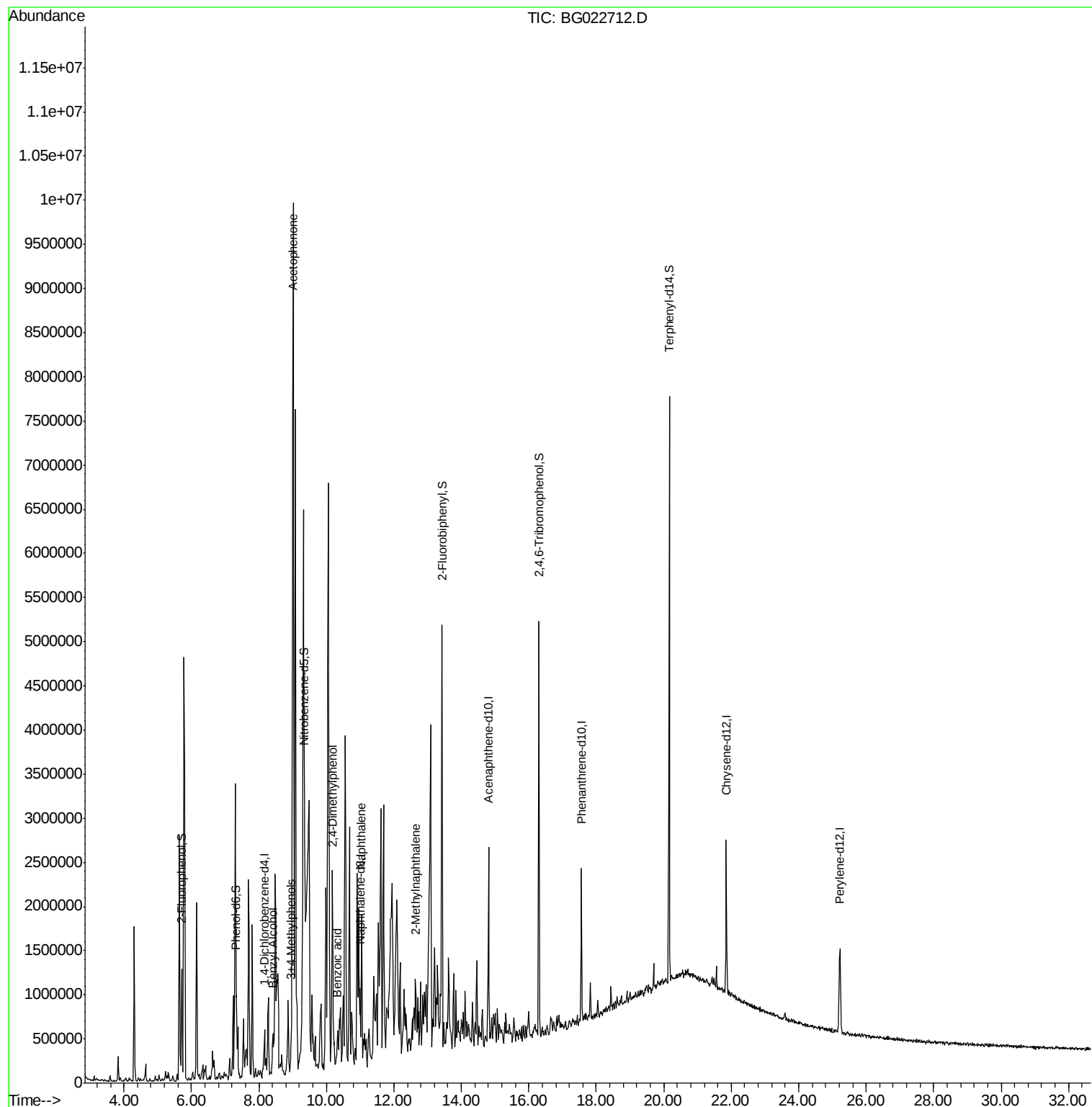
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	128833	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	602880	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	565687	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	1037883	20.00	ng	0.00
75) Chrysene-d12	21.85	240	1101439	20.00	ng	0.00
86) Perylene-d12	25.22	264	1140691	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	507272	63.15	ng	0.00
7) Phenol-d6	7.33	99	527243	46.57	ng	0.03
23) Nitrobenzene-d5	9.35	82	1169034	82.07	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	931553	104.70	ng	0.01
44) 2-Fluorobiphenyl	13.43	172	2313548	64.86	ng	0.00
78) Terphenyl-d14	20.16	244	2616426	62.94	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	8.41	79	164968	15.75	ng	98
20) 3+4-Methylphenols	8.96	107	50320	4.63	ng	# 74
22) Acetophenone	9.02	105	5534714	317.56	ng	# 70
27) 2,4-Dimethylphenol	10.17	122	298504	27.55	ng	# 93
31) Naphthalene	11.04	128	1227180	40.49	ng	96
32) Benzoic acid	10.31	122	58223	12.46	ng	93
37) 2-Methylnaphthalene	12.64	142	281982	12.00	ng	99

(#) = 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: BG022712.D

Acq: 30 Jun 2016 3:19

Instrument :

BNA_G

ClientSampleId :

S8-0578

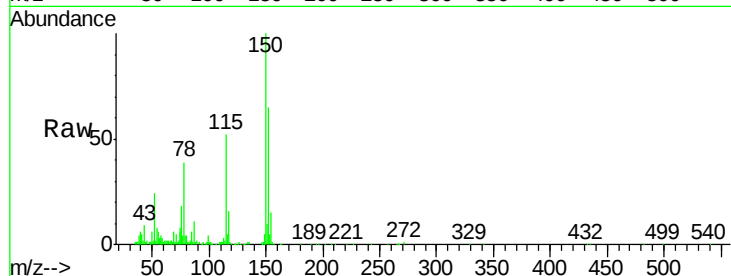
Tot Ion:152 Resp: 128833

Ion Ratio Lower Upper

152 100

150 154.0 144.7 217.1

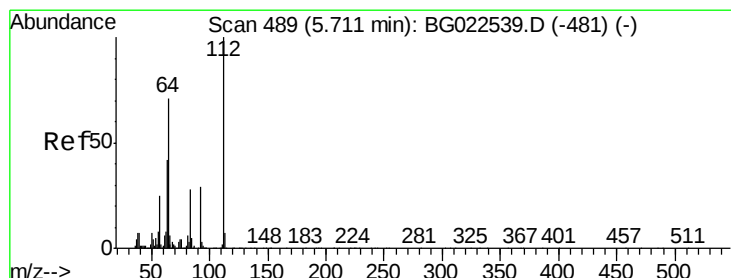
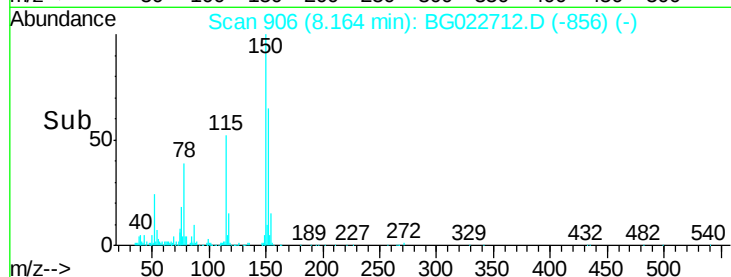
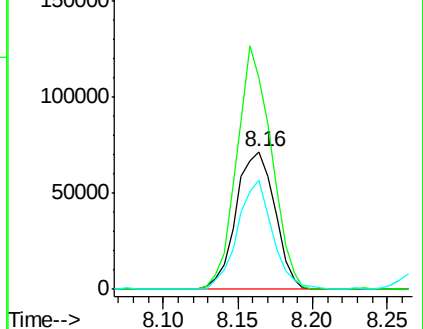
115 79.5 64.0 96.0



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: 63.15 ng

RT: 5.71 min Scan# 489

Delta R.T. 0.01 min

Lab File: BG022712.D

Acq: 30 Jun 2016 3:19

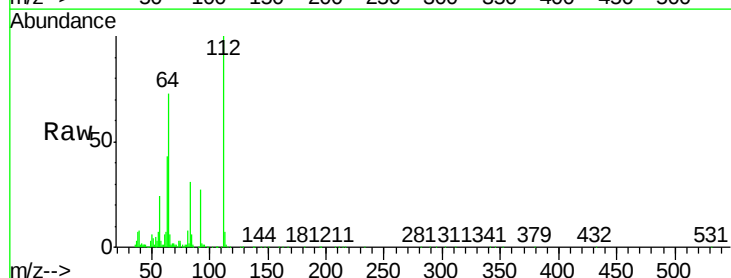
Tgt Ion:112 Resp: 507272

Ion Ratio Lower Upper

112 100

64 72.7 59.0 88.4

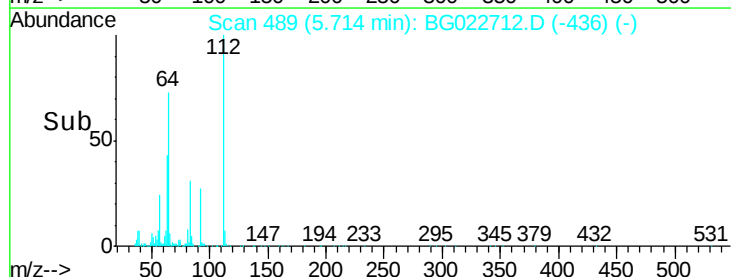
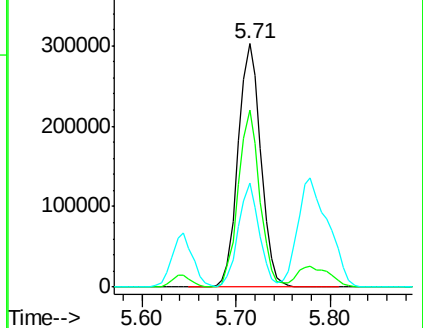
63 42.9 37.8 56.8



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: 46.57 ng

RT: 7.33 min Scan# 764

Delta R.T. 0.03 min

Lab File: BG022712.D

Acq: 30 Jun 2016 3:19

Instrument :

BNA_G

ClientSampleId :

S8-0578

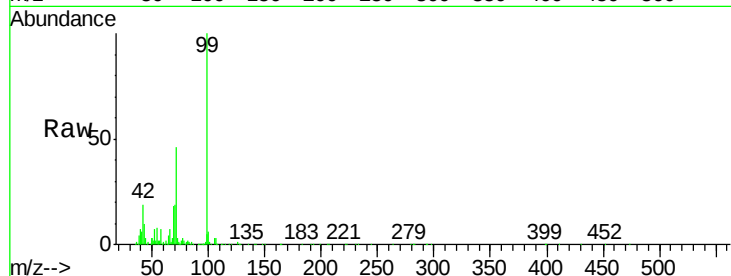
Tot Ion: 99 Resp: 527243

Ion Ratio Lower Upper

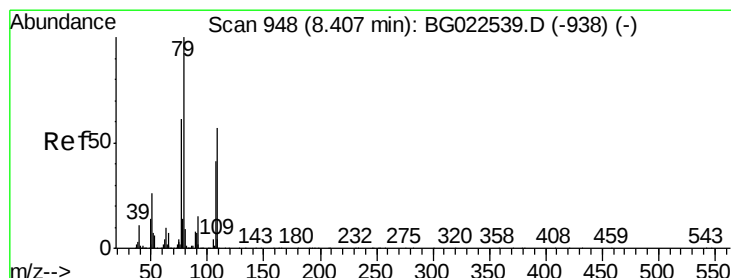
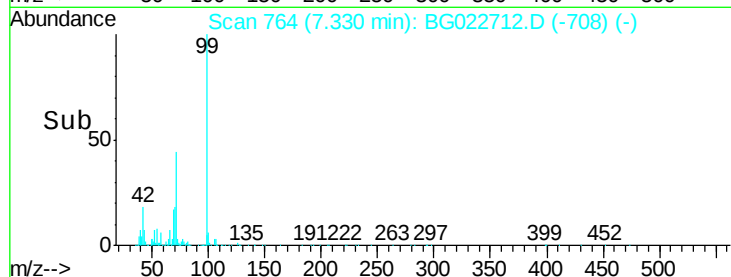
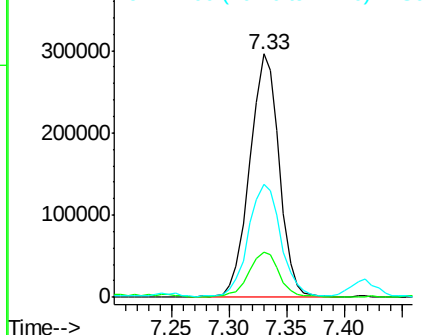
99 100

42 18.7 17.8 26.6

71 46.3 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



#15

Benzyl Alcohol

Concen: 15.75 ng

RT: 8.41 min Scan# 948

Delta R.T. 0.01 min

Lab File: BG022712.D

Acq: 30 Jun 2016 3:19

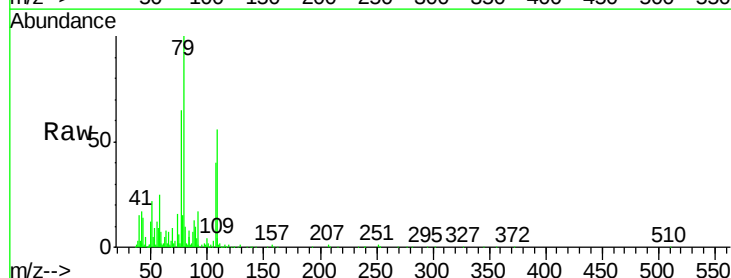
Tgt Ion: 79 Resp: 164968

Ion Ratio Lower Upper

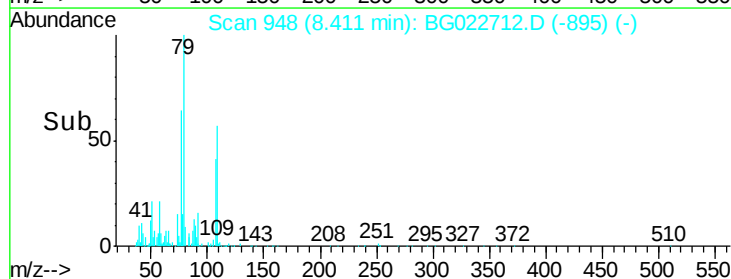
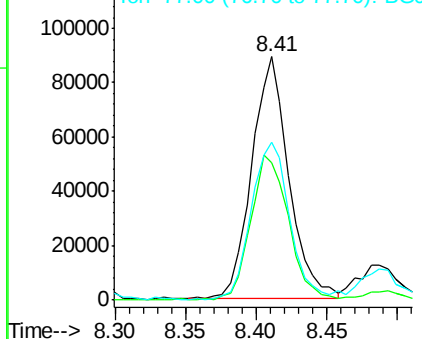
79 100

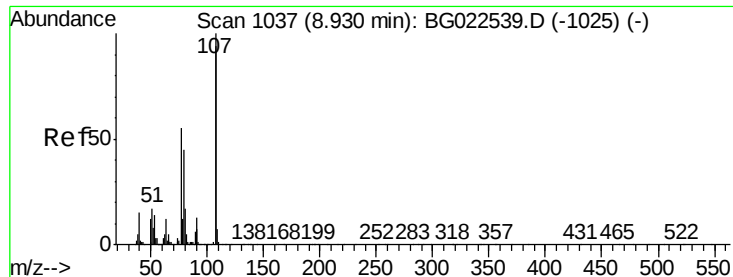
108 56.4 46.5 69.7

77 64.7 52.3 78.5



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#20

3+4-Methylphenols

Concen: 4.63 ng

RT: 8.96 min Scan# 1041

Delta R.T. 0.03 min

Lab File: BG022712.D

Acq: 30 Jun 2016 3:19

Instrument :

BNA_G

ClientSampleId :

S8-0578

Tot Ion:107 Resp: 50320

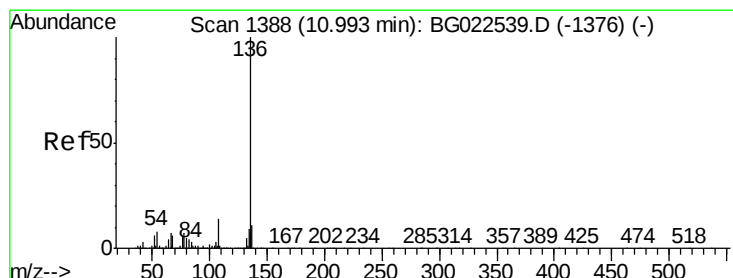
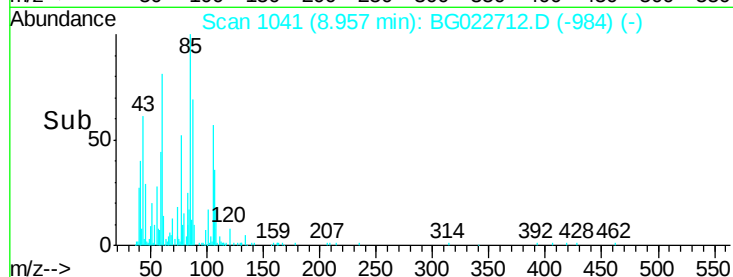
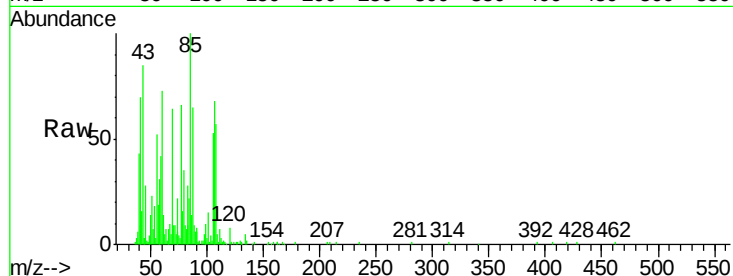
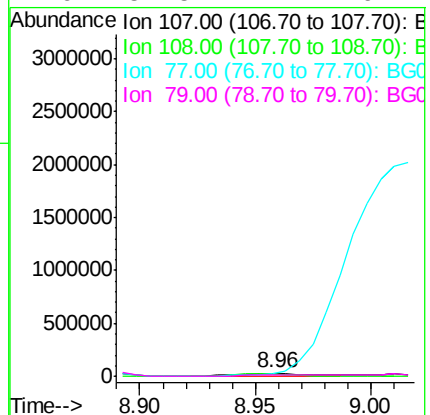
Ion Ratio Lower Upper

107 100

108 83.1 72.5 112.5

77 96.5 30.1 70.1#

79 51.5 24.2 64.2



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.99 min Scan# 1387

Delta R.T. -0.00 min

Lab File: BG022712.D

Acq: 30 Jun 2016 3:19

Tgt Ion:136 Resp: 602880

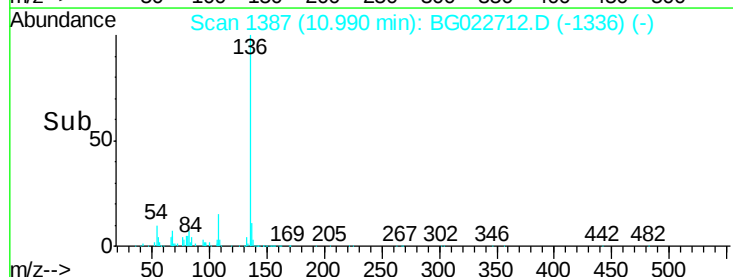
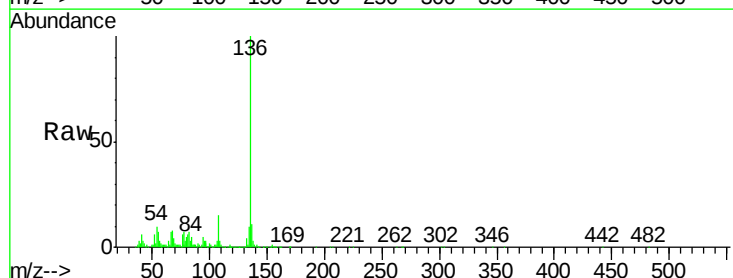
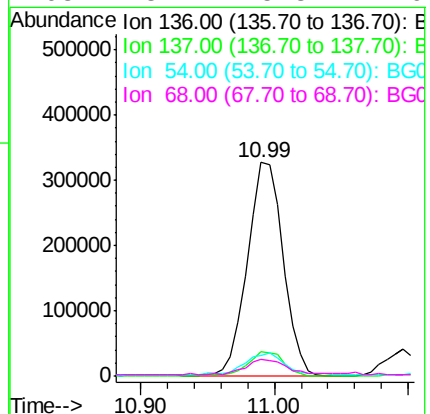
Ion Ratio Lower Upper

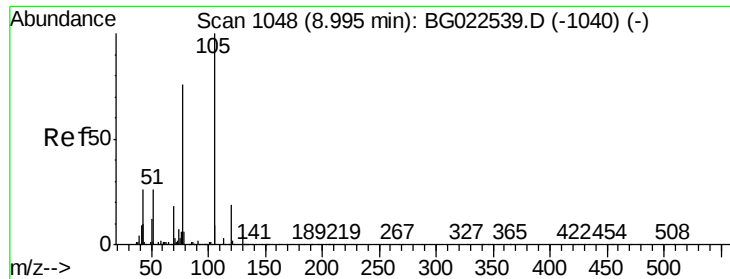
136 100

137 11.5 9.6 14.4

54 9.8 7.3 10.9

68 8.1 5.3 7.9#





#22

Acetophenone

Concen: 317.56 ng

RT: 9.02 min Scan# 1051

Delta R.T. 0.03 min

Lab File: BG022712.D

Acq: 30 Jun 2016 3:19

Instrument :

BNA_G

ClientSampleId :

S8-0578

Tot Ion:105 Resp: 5534714

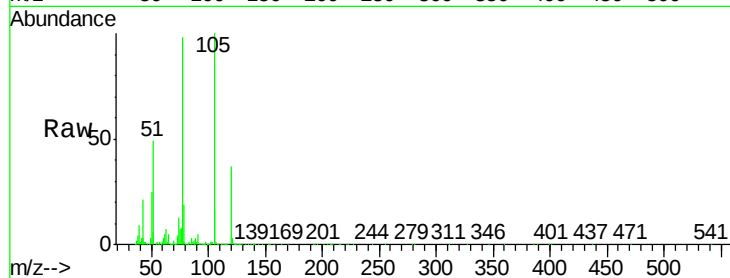
Ion Ratio Lower Upper

105 100

71 0.2 2.6 3.8#

51 49.2 27.1 40.7#

120 36.7 15.1 22.7#

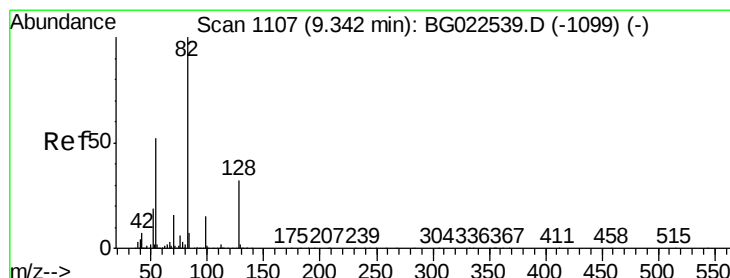
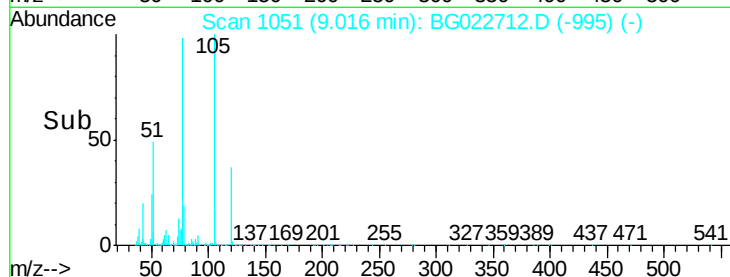
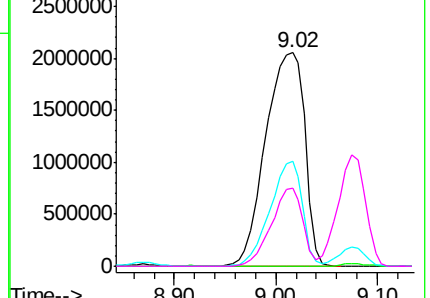


Abundance Ion 105.00 (104.70 to 105.70): E

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: 82.07 ng

RT: 9.35 min Scan# 1107

Delta R.T. 0.01 min

Lab File: BG022712.D

Acq: 30 Jun 2016 3:19

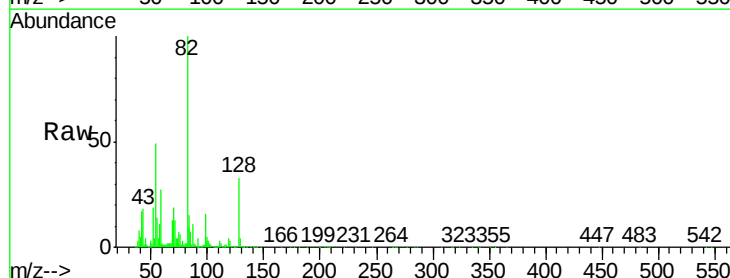
Tgt Ion: 82 Resp: 1169034

Ion Ratio Lower Upper

82 100

128 32.7 24.4 36.6

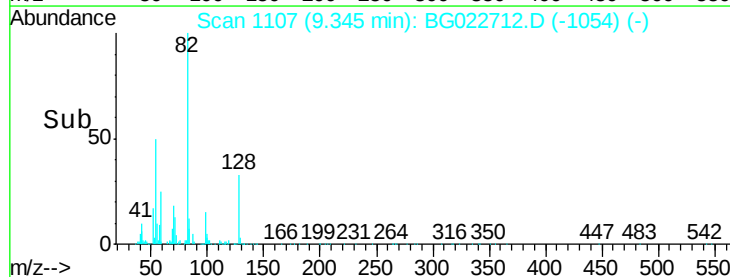
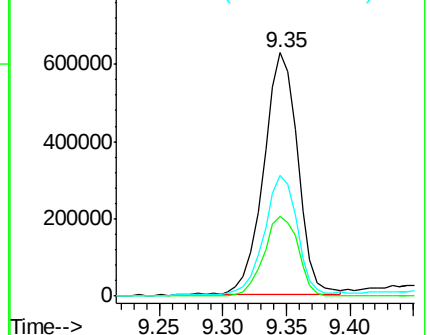
54 49.4 41.4 62.0

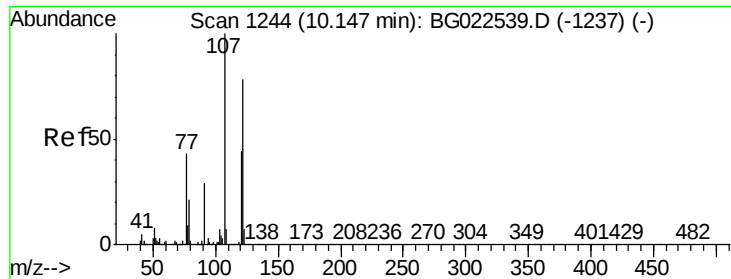


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

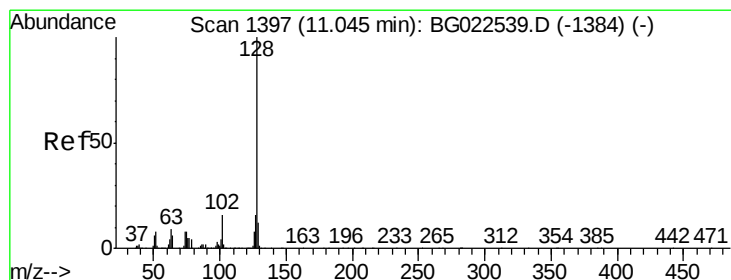
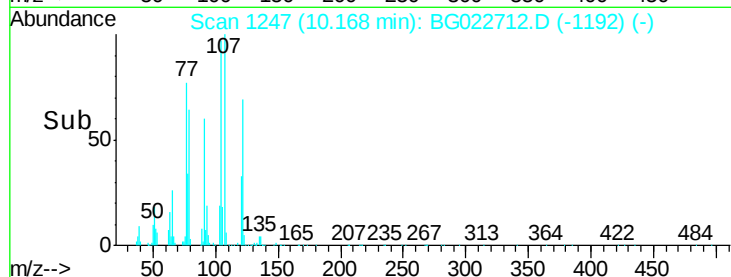
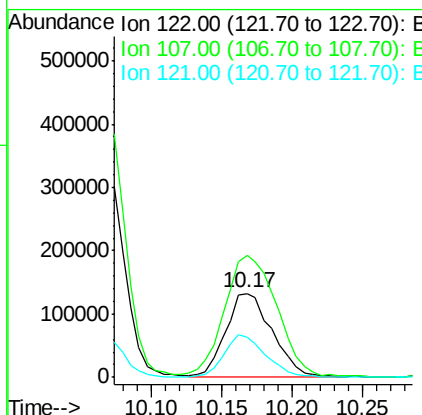
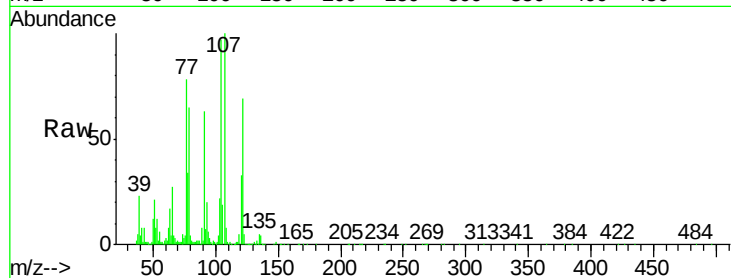




#27
2,4-Dimethylphenol
Concen: 27.55 ng
RT: 10.17 min Scan# 1247
Delta R.T. 0.02 min
Lab File: BG022712.D
Acq: 30 Jun 2016 3:19

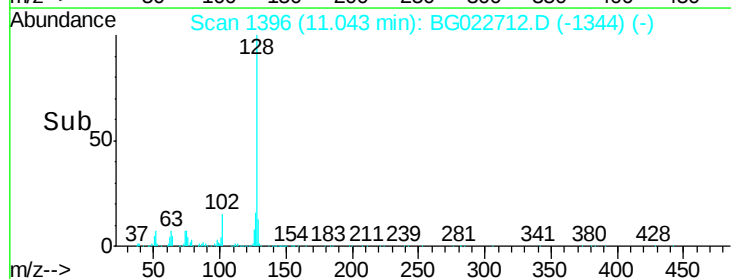
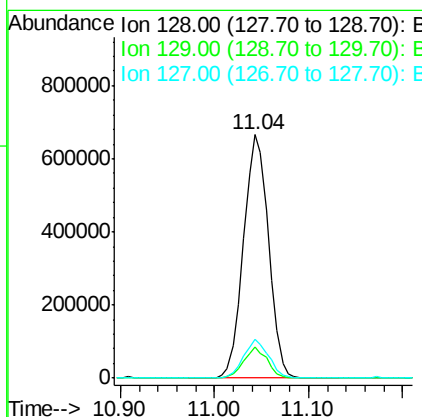
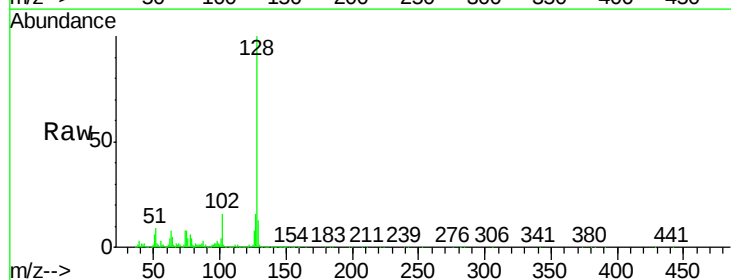
Instrument :
BNA_G
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S8-0578

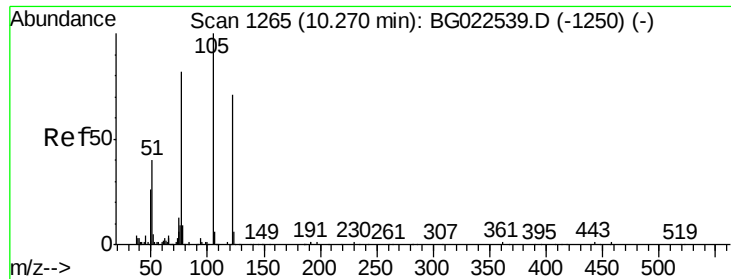
Tot Ion:122 Resp: 298504
Ion Ratio Lower Upper
122 100
107 144.9 117.0 175.4
121 47.6 50.1 75.1#



#31
Naphthalene
Concen: 40.49 ng
RT: 11.04 min Scan# 1396
Delta R.T. 0.00 min
Lab File: BG022712.D
Acq: 30 Jun 2016 3:19

Tgt Ion:128 Resp: 1227180
Ion Ratio Lower Upper
128 100
129 13.0 9.4 14.0
127 16.2 11.3 16.9





#32

Benzoic acid

Concen: 12.46 ng

RT: 10.31 min Scan# 1272

Delta R.T. 0.11 min

Lab File: BG022712.D

Acq: 30 Jun 2016 3:19

Instrument :

BNA_G

ClientSampleId :

S8-0578

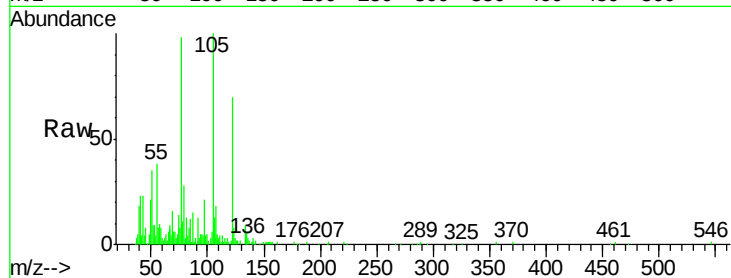
Tot Ion:122 Resp: 58223

Ion Ratio Lower Upper

122 100

105 143.3 117.2 157.2

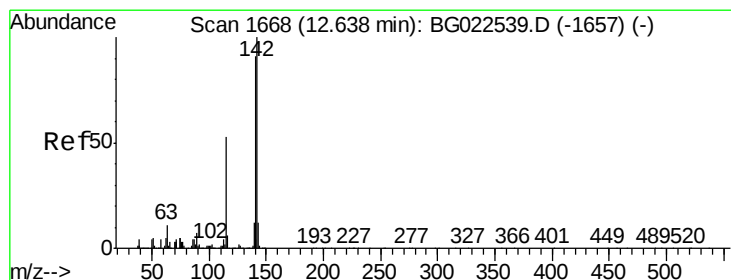
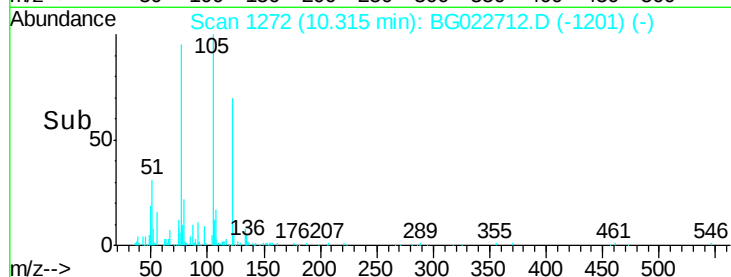
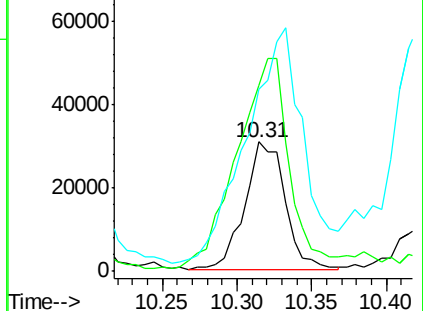
77 140.3 109.2 149.2



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#37

2-Methylnaphthalene

Concen: 12.00 ng

RT: 12.64 min Scan# 1667

Delta R.T. -0.00 min

Lab File: BG022712.D

Acq: 30 Jun 2016 3:19

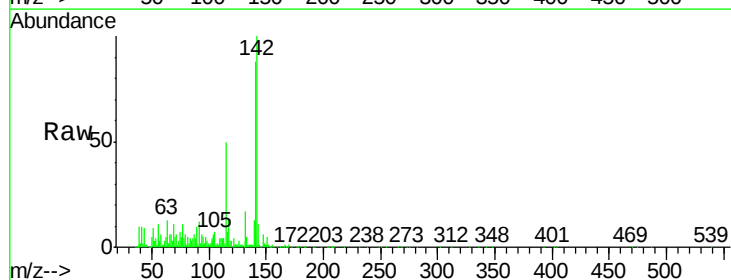
Tgt Ion:142 Resp: 281982

Ion Ratio Lower Upper

142 100

141 87.8 70.2 105.2

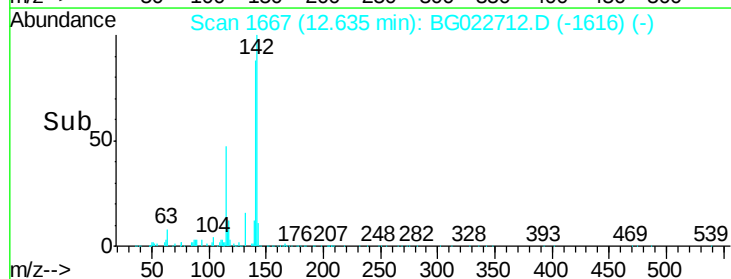
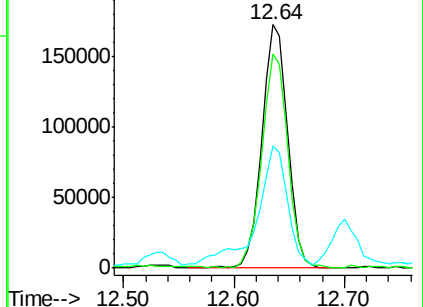
115 50.1 41.7 62.5

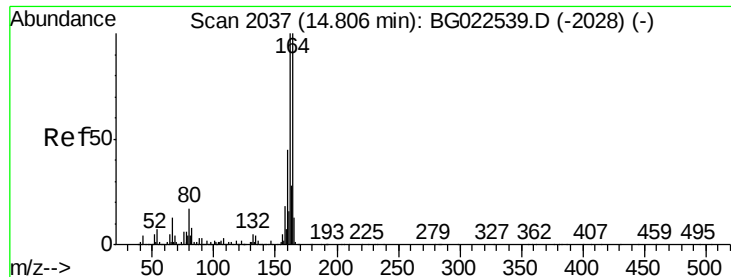


Abundance Ion 142.00 (141.70 to 142.70): E

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: BG022712.D

Acq: 30 Jun 2016 3:19

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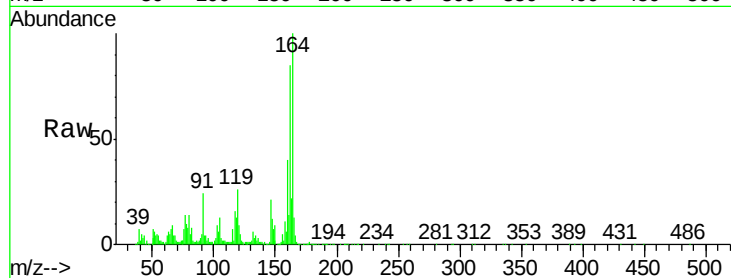
Tot Ion:164 Resp: 565687

Ion Ratio Lower Upper

164 100

162 85.2 87.7 131.5#

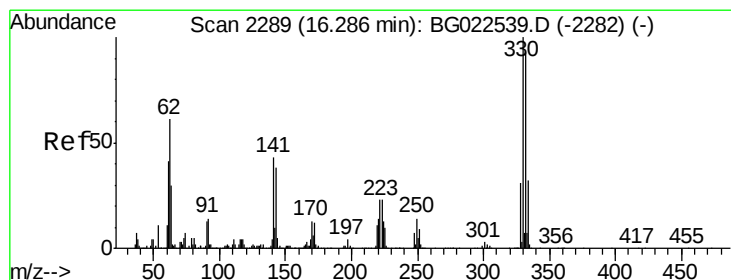
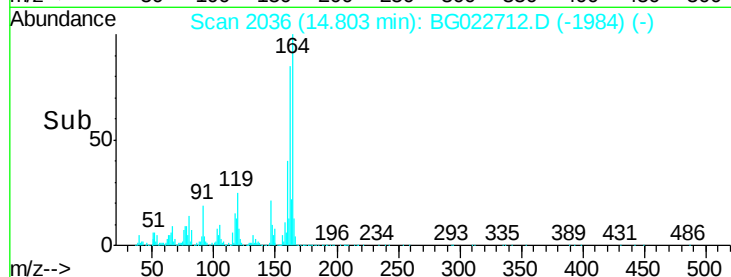
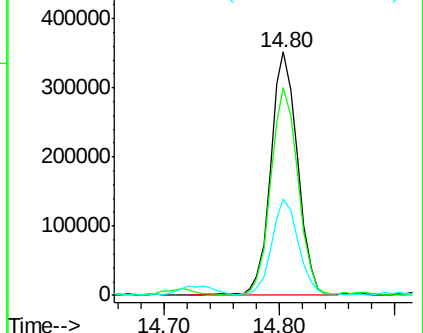
160 39.7 37.2 55.8



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: 104.70 ng

RT: 16.30 min Scan# 2291

Delta R.T. 0.01 min

Lab File: BG022712.D

Acq: 30 Jun 2016 3:19

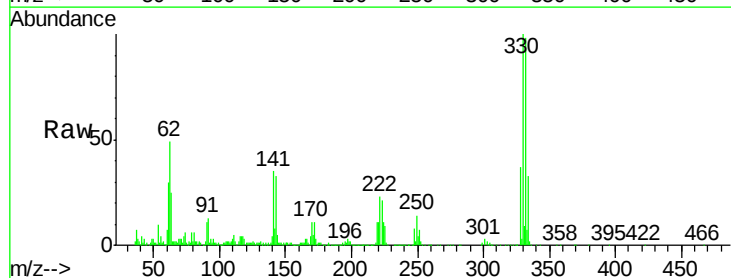
Tgt Ion:330 Resp: 931553

Ion Ratio Lower Upper

330 100

332 97.8 77.4 116.2

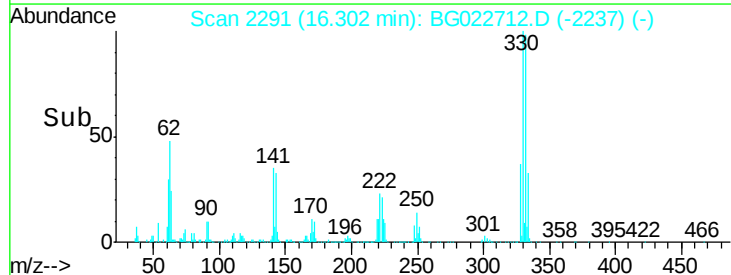
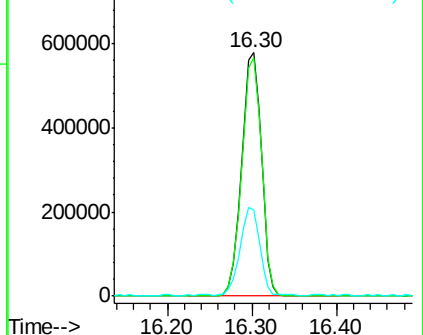
141 35.7 31.7 47.5

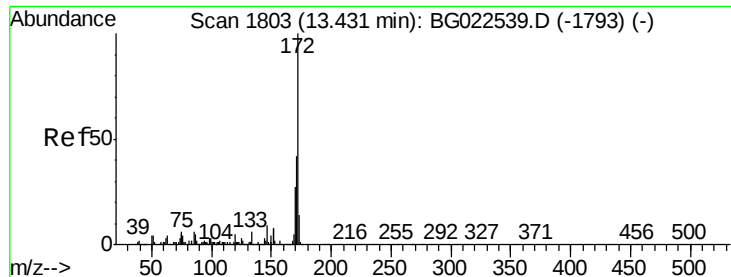


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 64.86 ng

RT: 13.43 min Scan# 1802

Delta R.T. 0.00 min

Lab File: BG022712.D

Acq: 30 Jun 2016 3:19

Instrument :

BNA_G

ClientSampleId :

S8-0578

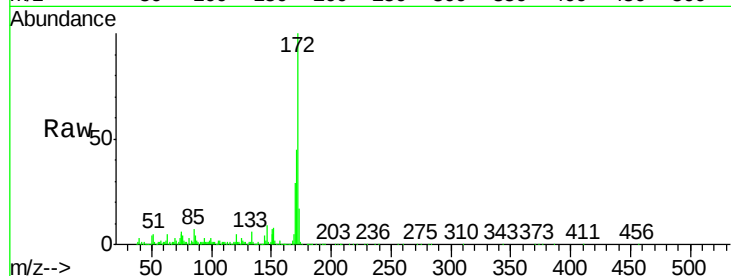
Tot Ion:172 Resp: 2313548

Ion Ratio Lower Upper

172 100

171 45.0 31.6 47.4

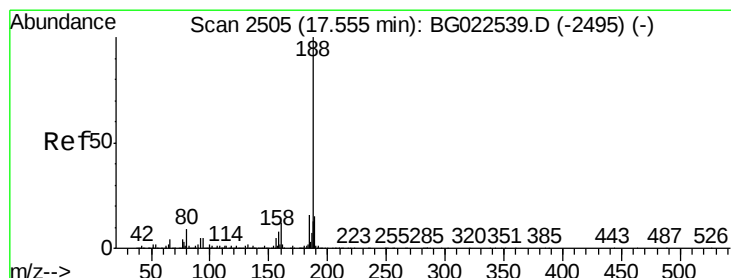
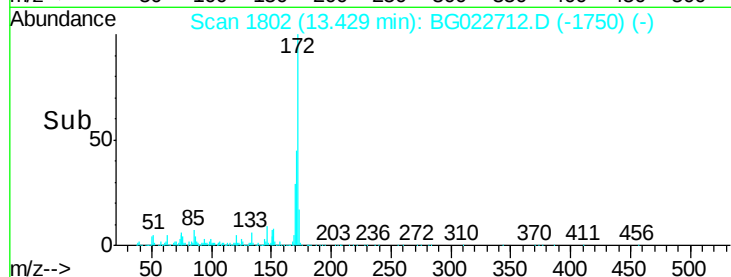
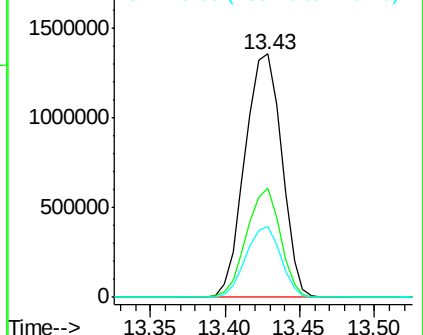
170 29.0 21.3 31.9



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.56 min Scan# 2505

Delta R.T. 0.01 min

Lab File: BG022712.D

Acq: 30 Jun 2016 3:19

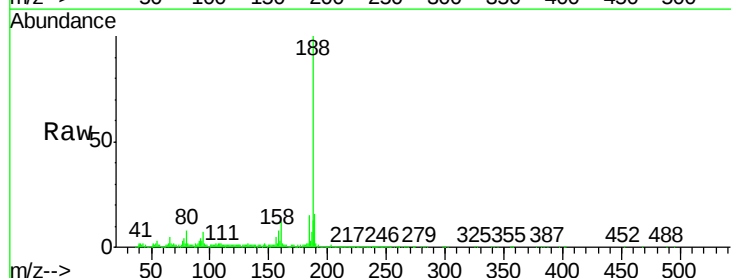
Tgt Ion:188 Resp: 1037883

Ion Ratio Lower Upper

188 100

94 7.4 5.2 7.8

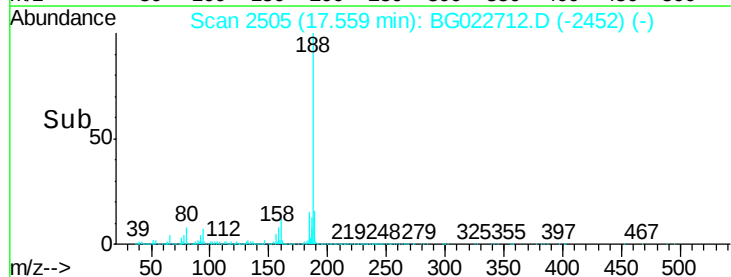
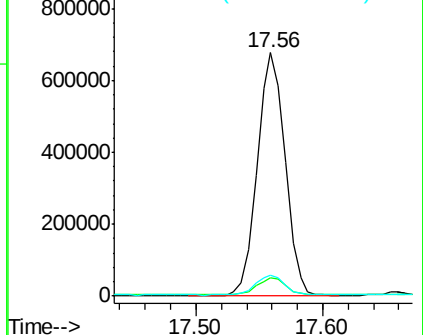
80 8.5 7.2 10.8

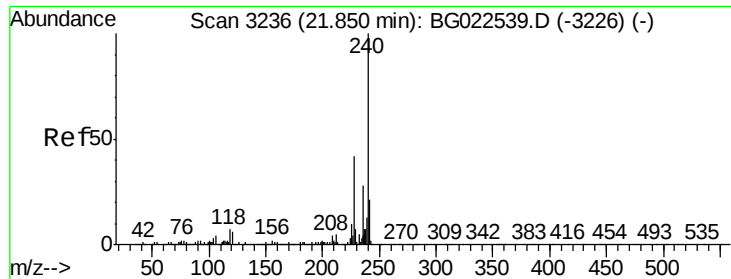


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0

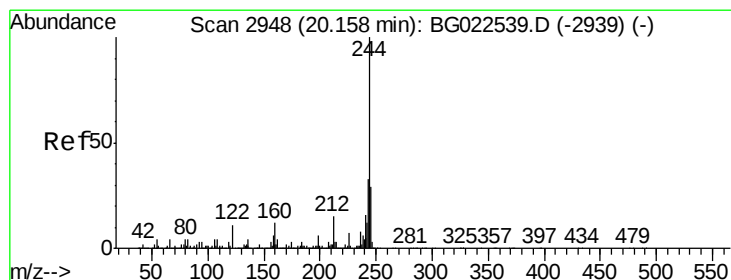
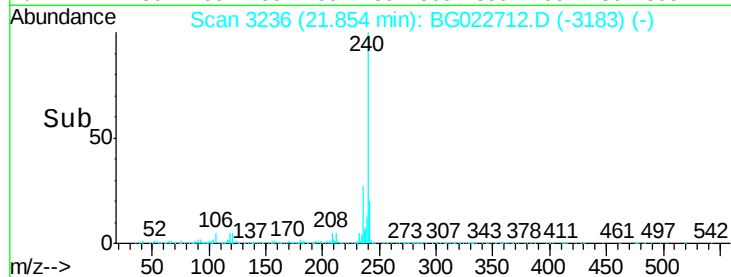
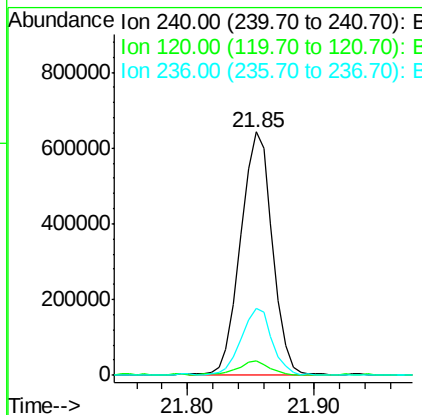
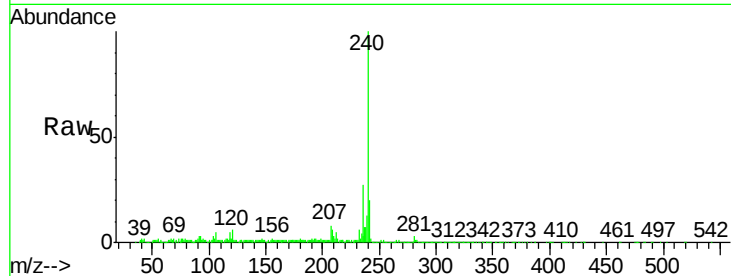




#75
 Chrvsene-d12
 Concen: 20.00 ng
 RT: 21.85 min Scan# 3236
 Delta R.T. 0.01 min
 Lab File: BG022712.D
 Acq: 30 Jun 2016 3:19

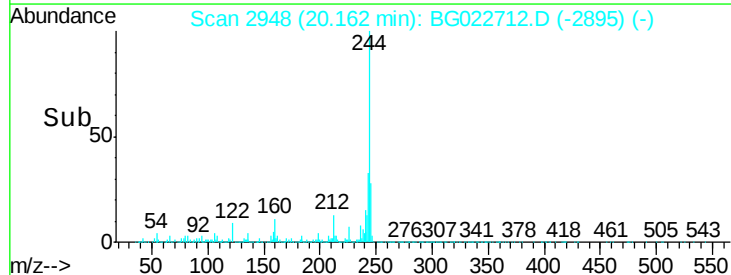
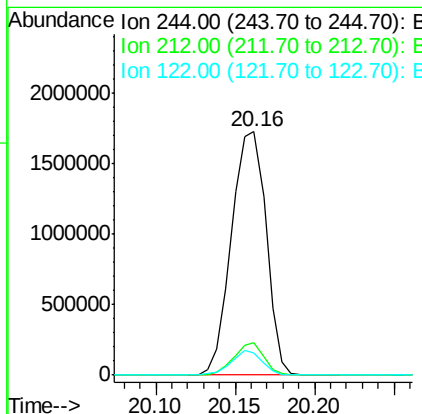
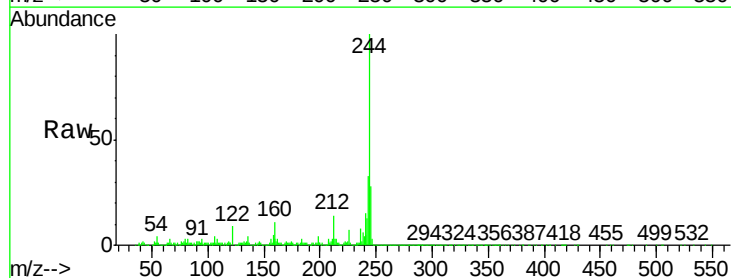
Instrument :
 BNA_G
 ClientSampleId :
 S8-0578

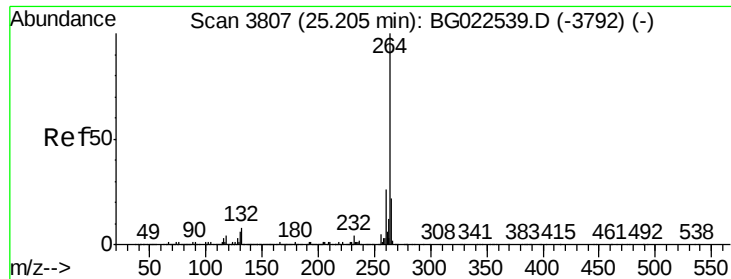
Tot Ion:240 Resp: 1101439
 Ion Ratio Lower Upper
 240 100
 120 5.8 4.1 6.1
 236 27.4 21.1 31.7



#78
 Terphenyl-d14
 Concen: 62.94 ng
 RT: 20.16 min Scan# 2948
 Delta R.T. 0.01 min
 Lab File: BG022712.D
 Acq: 30 Jun 2016 3:19

Tgt Ion:244 Resp: 2616426
 Ion Ratio Lower Upper
 244 100
 212 13.5 10.8 16.2
 122 8.9 8.0 12.0





#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.22 min Scan# 3809
Delta R.T. 0.01 min
Lab File: BG022712.D
Acq: 30 Jun 2016 3:19

Instrument :
BNA_G
ClientSampleId :
S8-0578

Tot Ion:264 Resp: 1140691

Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.4	27.6
265	22.3	18.9	28.3

