

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042215\
 Data File : BG016648.D
 Acq On : 23 Apr 2015 10:09
 Operator : TP/IZ
 Sample : G1976-02DL 2X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 23 15:43:08 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 02:10:07 2015
 Response via : Initial Calibration

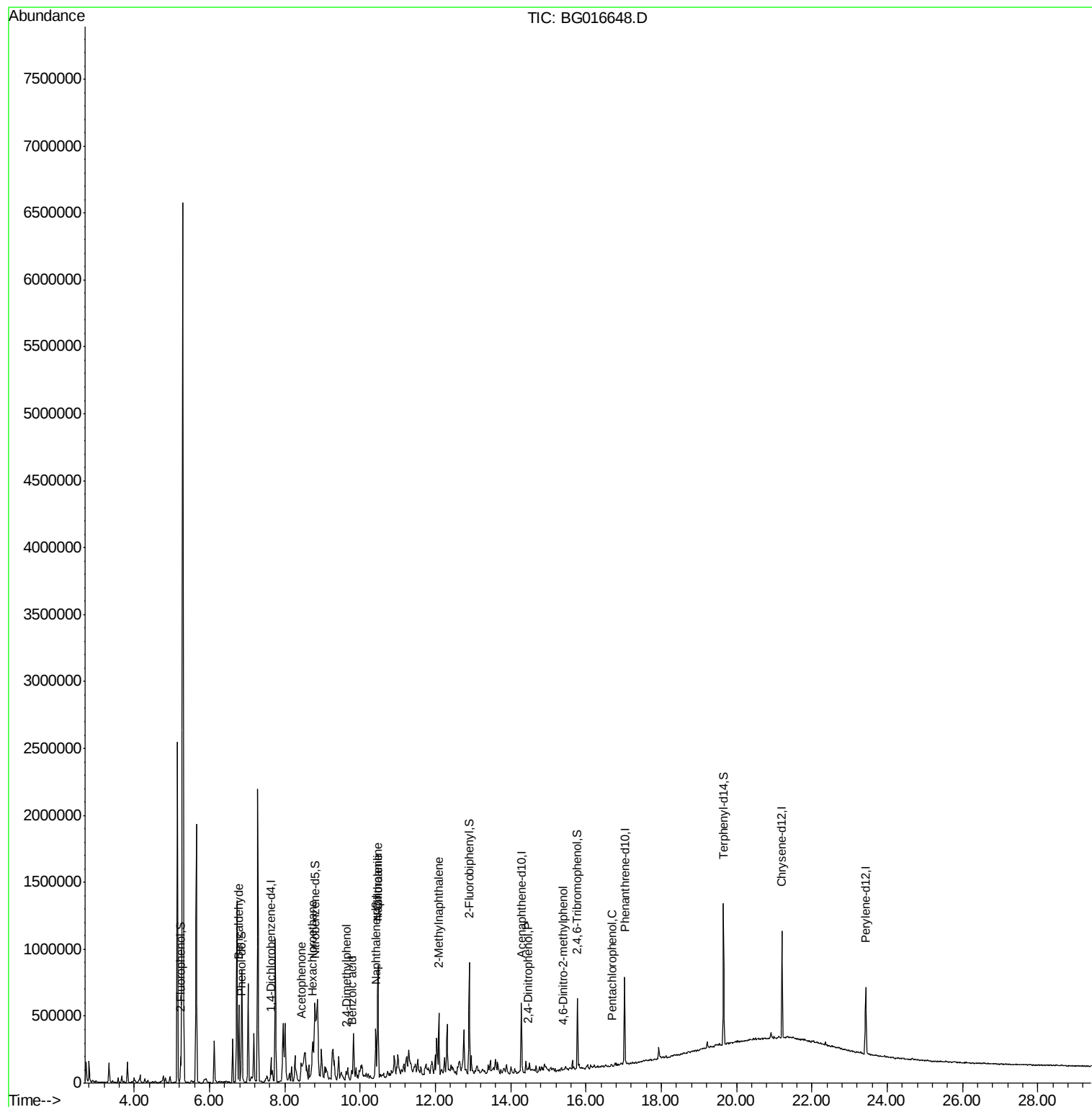
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	51208	20.00	ng	0.00
21) Naphthalene-d8	10.42	136	255731	20.00	ng	0.00
38) Acenaphthene-d10	14.28	164	170006	20.00	ng	0.00
63) Phenanthrene-d10	17.02	188	357156	20.00	ng	0.00
75) Chrysene-d12	21.21	240	303136	20.00	ng	0.00
86) Perylene-d12	23.43	264	289927	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	86210	26.98	ng	0.00
7) Phenol-d6	6.84	99	79826	17.88	ng	0.00
23) Nitrobenzene-d5	8.79	82	168574	40.59	ng	0.00
41) 2,4,6-Tribromophenol	15.78	330	77044	66.72	ng	0.00
44) 2-Fluorobiphenyl	12.90	172	411545	40.09	ng	0.00
78) Terphenyl-d14	19.65	244	425077	33.78	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.78	77	36747	18.09	ng	# 1
18) Hexachloroethane	8.73	117	24529	16.85	ng	# 1
22) Acetophenone	8.43	105	61238	10.75	ng	# 52
27) 2,4-Dimethylphenol	9.63	122	13879	3.42	ng	96
31) Naphthalene	10.47	128	700162	52.45	ng	99
32) Benzoic acid	9.78	122	790	7.62	ng	# 1
33) 4-Chloroaniline	10.47	127	99247	16.26	ng	# 35
37) 2-Methylnaphthalene	12.09	142	226515	23.70	ng	98
53) 2,4-Dinitrophenol	14.44	184	112	8.46	ng	# 1
64) 4,6-Dinitro-2-methylphenol	15.40	198	62	4.15	ng	# 1
69) Pentachlorophenol	16.69	266	178	6.34	ng	# 36

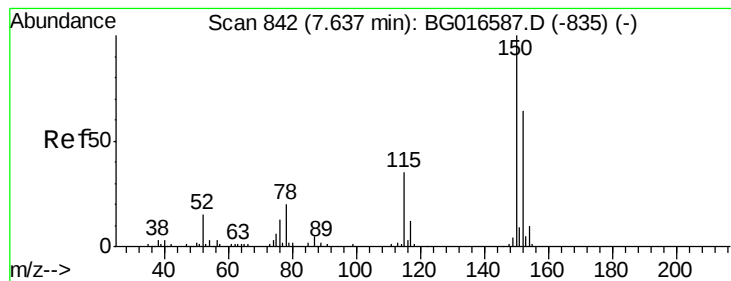
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 23 15:43:08 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 22 02:10:07 2015
Response via : Initial Calibration

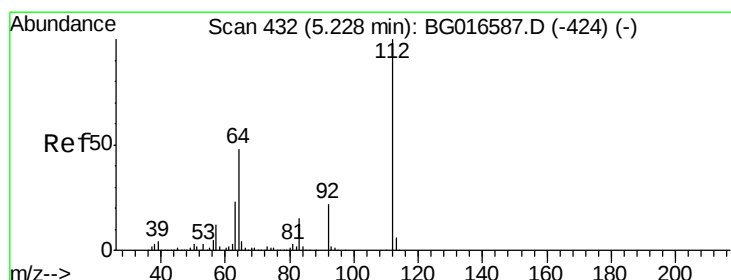
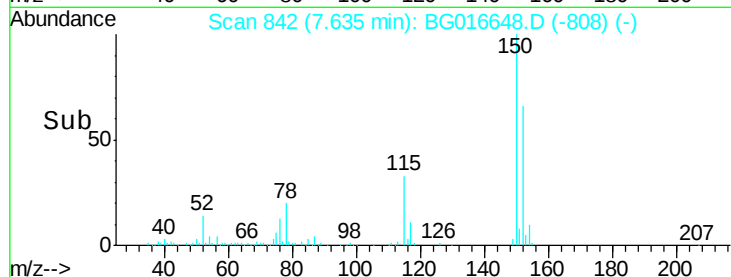
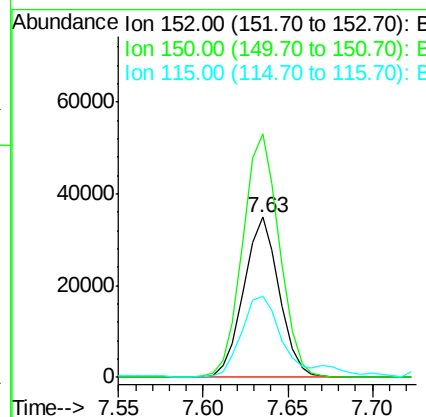
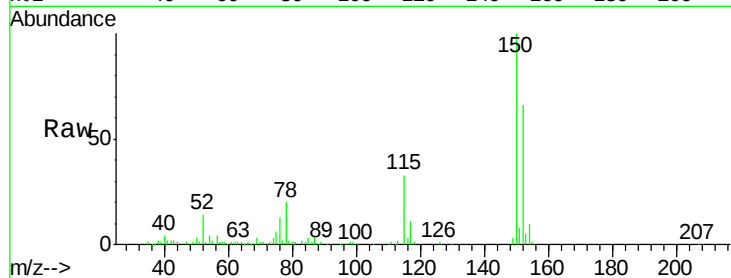




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.63 min Scan# 842
 Delta R.T. -0.00 min
 Lab File: BG016648.D
 Acq: 23 Apr 2015 10:09

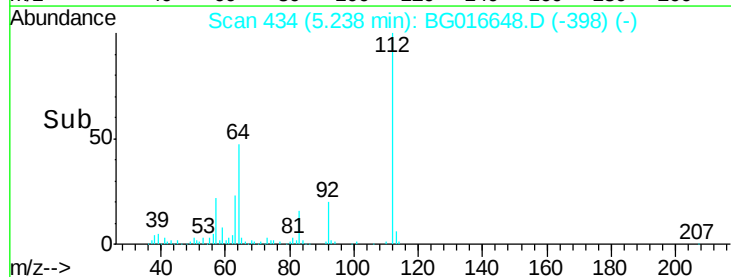
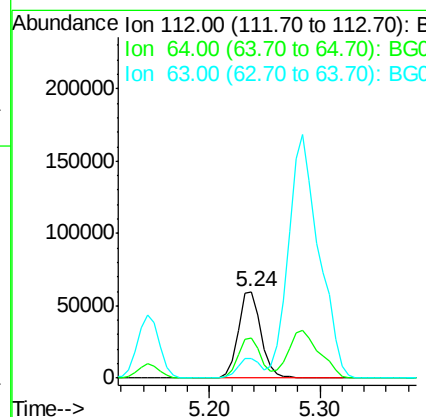
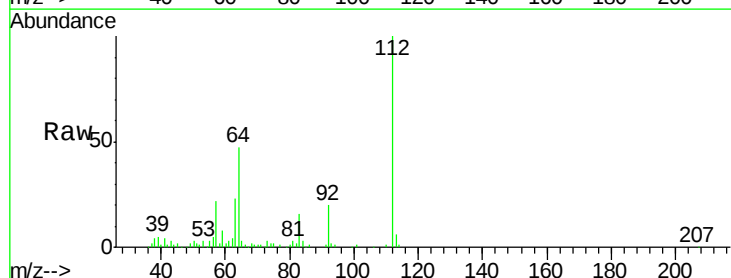
Instrument :
 BNA_G
 ClientSampleId :

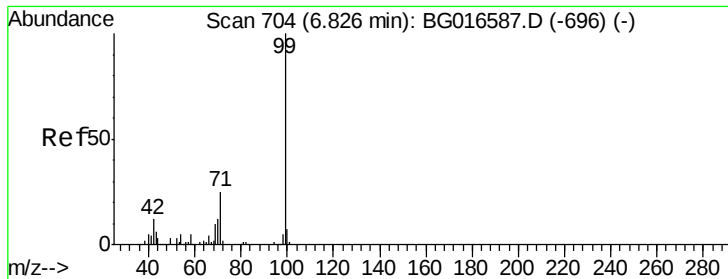
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.8	125.5	188.3
115	50.3	44.5	66.7



#5
 2-Fluorophenol
 Concen: 26.98 ng
 RT: 5.24 min Scan# 434
 Delta R.T. 0.01 min
 Lab File: BG016648.D
 Acq: 23 Apr 2015 10:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.2	38.5	57.7
63	23.0	18.2	27.4





#7

Phenol-d6

Concen: 17.88 ng

RT: 6.84 min Scan# 706

Delta R.T. 0.01 min

Lab File: BG016648.D

Acq: 23 Apr 2015 10:09

Instrument :

BNA_G

ClientSampleId :

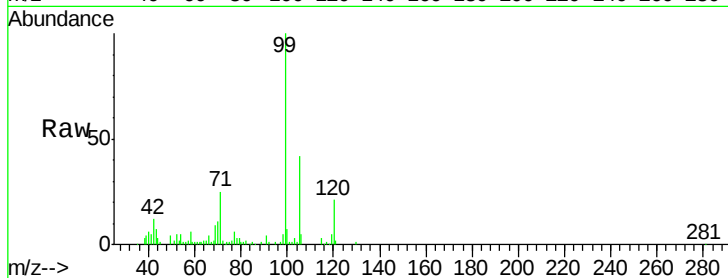
Tot Ion: 99 Resp: 79826

Ion Ratio Lower Upper

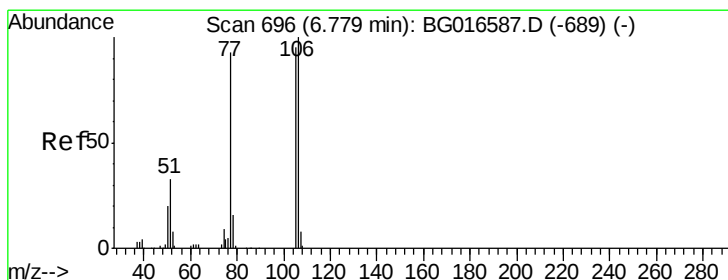
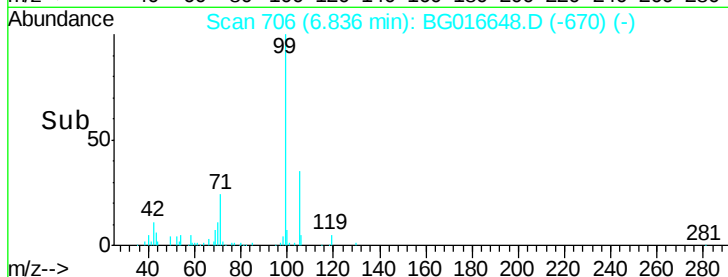
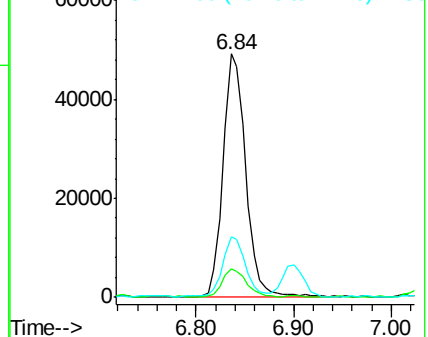
99 100

42 11.9 9.5 14.3

71 24.9 20.2 30.2



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: 18.09 ng

RT: 6.78 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG016648.D

Acq: 23 Apr 2015 10:09

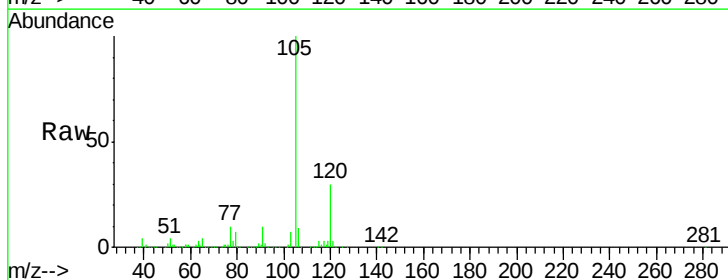
Tgt Ion: 77 Resp: 36747

Ion Ratio Lower Upper

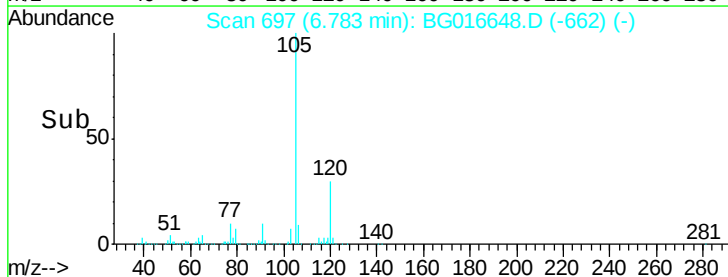
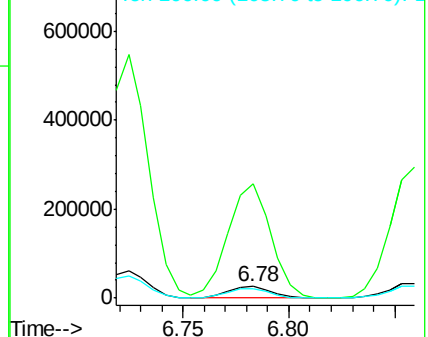
77 100

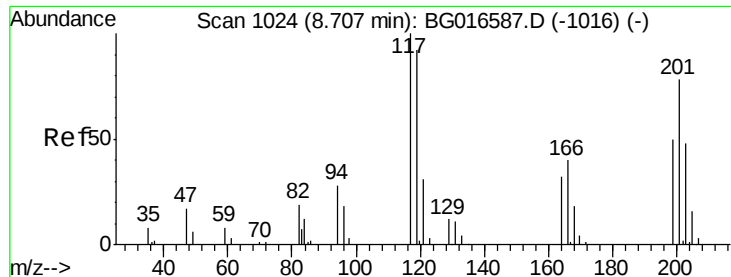
105 994.9 81.6 121.6#

106 86.6 87.4 127.4#



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

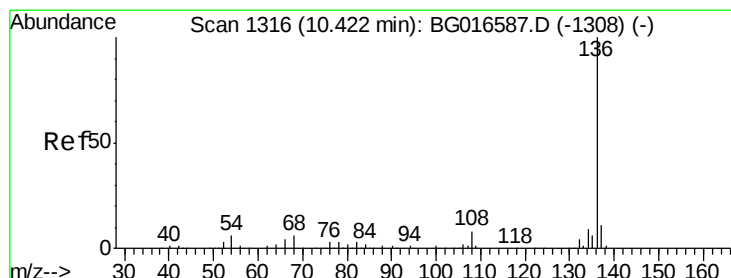
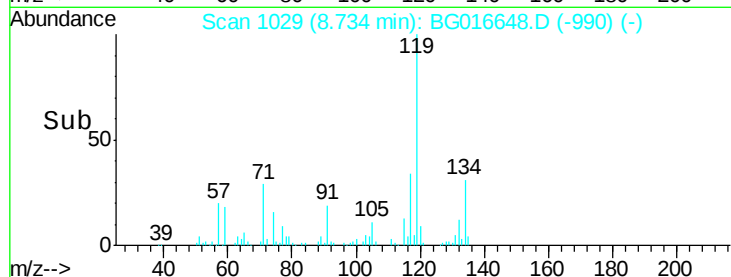
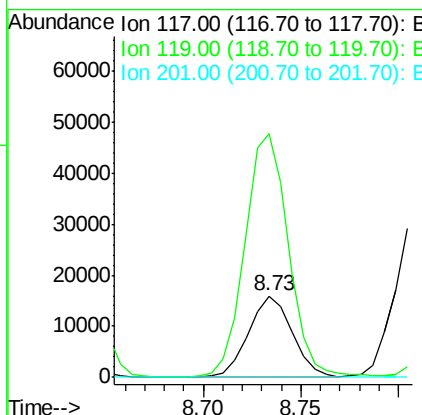
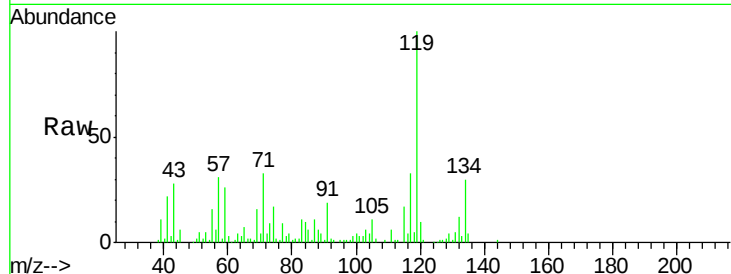




#18
Hexachloroethane
Concen: 16.85 ng
RT: 8.73 min Scan# 1029
Delta R.T. 0.03 min
Lab File: BG016648.D
Acq: 23 Apr 2015 10:09

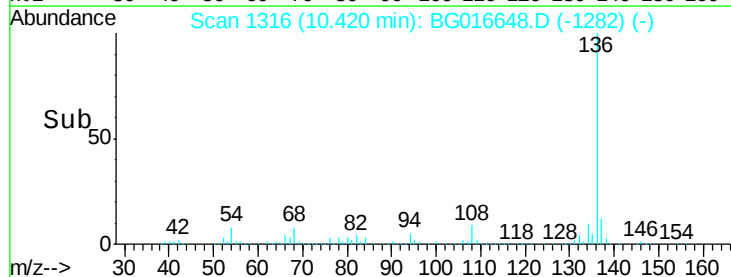
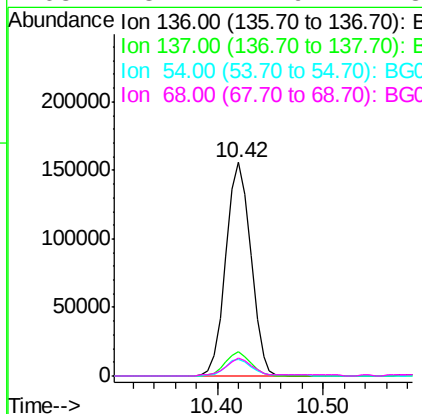
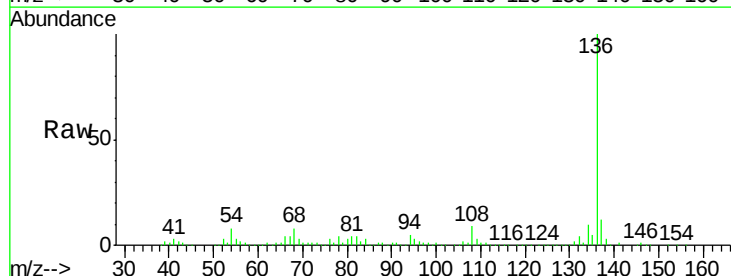
Instrument :
BNA_G
ClientSampleId :

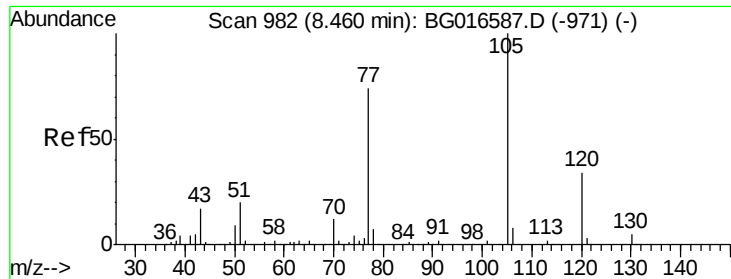
Tot Ion:117 Resp: 24529
Ion Ratio Lower Upper
117 100
119 298.9 73.8 110.8#
201 0.0 62.2 93.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.42 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BG016648.D
Acq: 23 Apr 2015 10:09

Tgt Ion:136 Resp: 255731
Ion Ratio Lower Upper
136 100
137 11.6 8.8 13.2
54 8.0 4.9 7.3#
68 8.4 4.9 7.3#





#22

Acetophenone

Concen: 10.75 ng

RT: 8.43 min Scan# 978

Delta R.T. -0.03 min

Lab File: BG016648.D

Acq: 23 Apr 2015 10:09

Instrument :

BNA_G

ClientSampleId :

Tot Ion:105 Resp: 61238

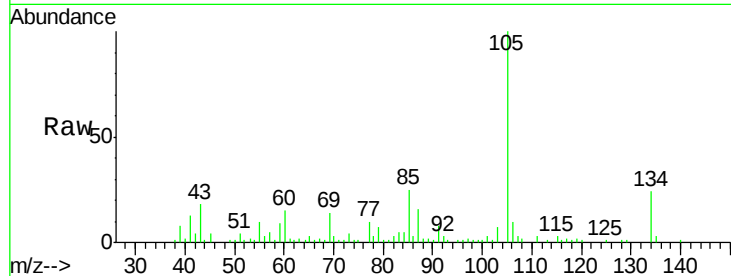
Ion Ratio Lower Upper

105 100

71 1.5 1.8 2.6#

51 3.5 16.5 24.7#

120 0.8 26.8 40.2#

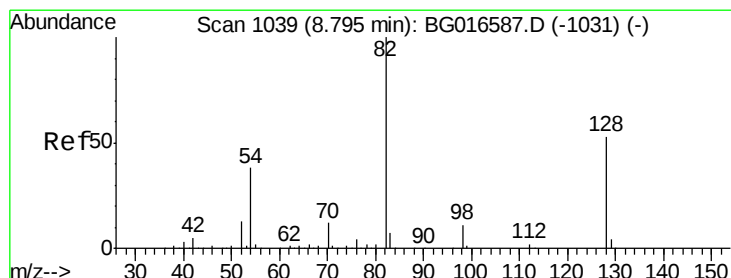
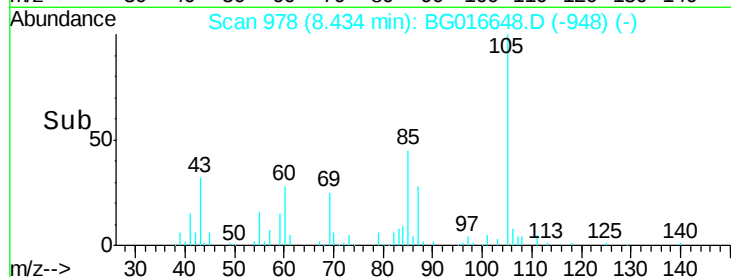
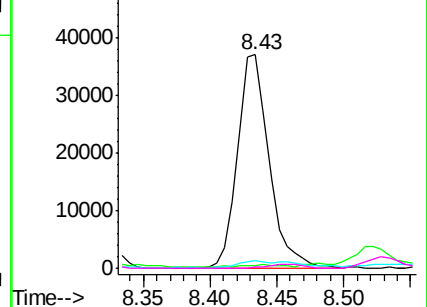


Abundance Ion 105.00 (104.70 to 105.70): E

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: 40.59 ng

RT: 8.79 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BG016648.D

Acq: 23 Apr 2015 10:09

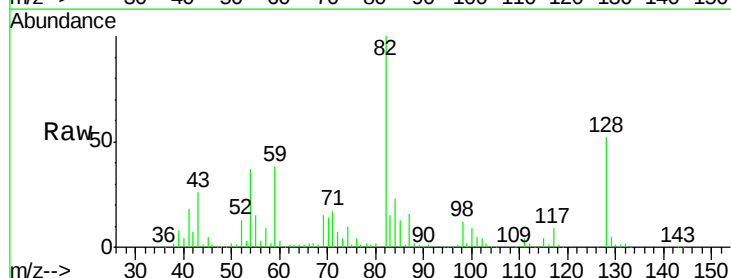
Tgt Ion: 82 Resp: 168574

Ion Ratio Lower Upper

82 100

128 51.7 42.7 64.1

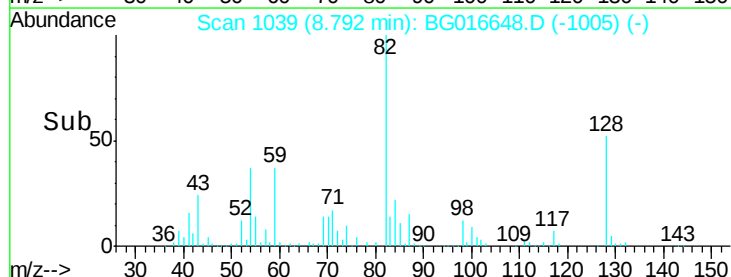
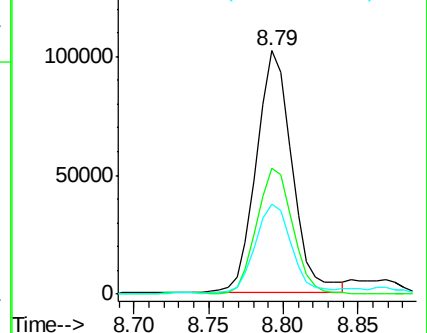
54 36.9 30.6 45.8

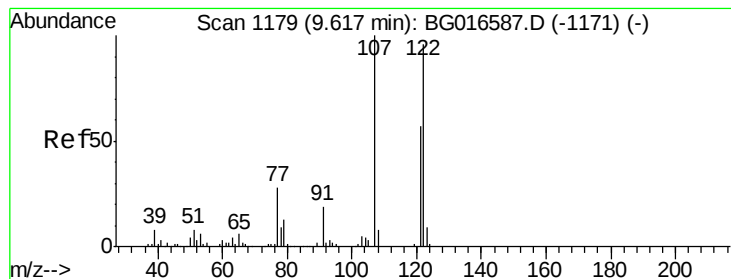


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

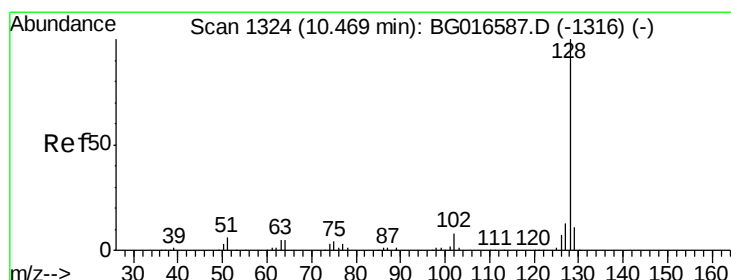
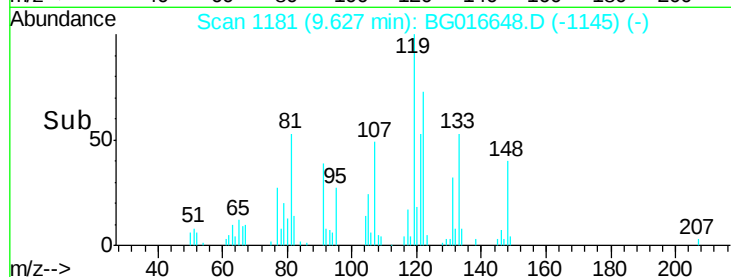
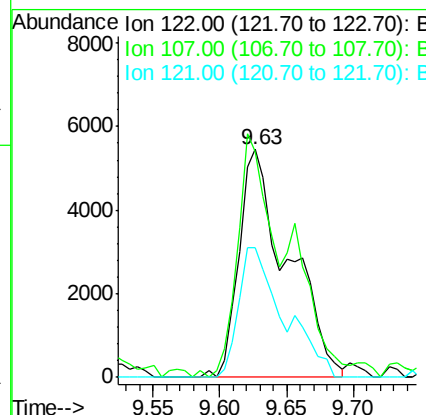
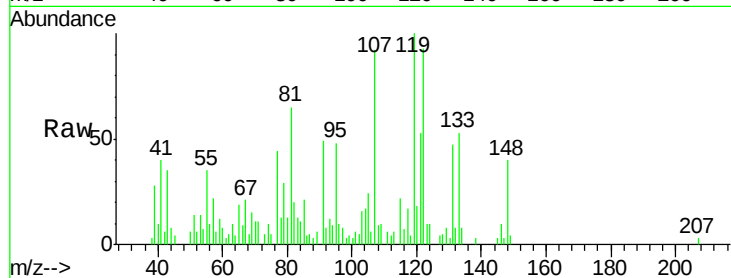




#27
2,4-Dimethylphenol
Concen: 3.42 ng
RT: 9.63 min Scan# 1181
Delta R.T. 0.01 min
Lab File: BG016648.D
Acq: 23 Apr 2015 10:09

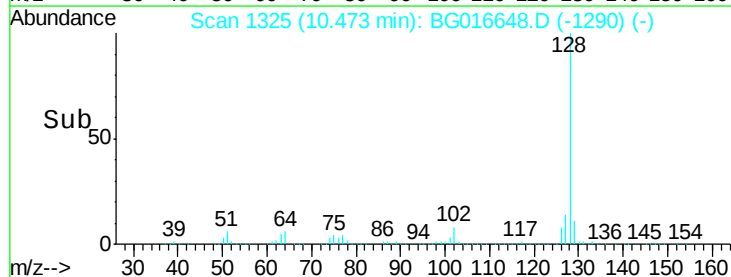
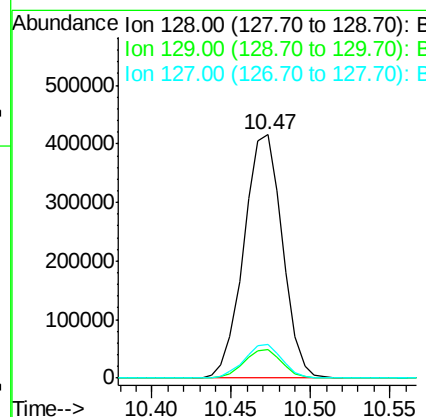
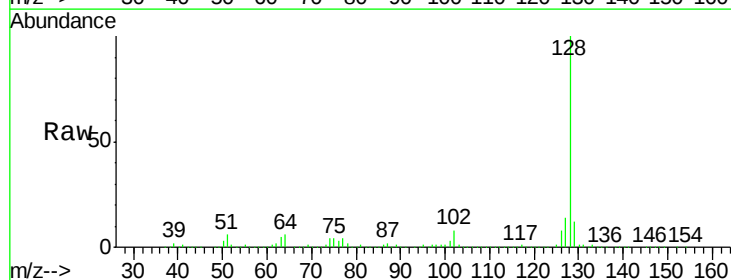
Instrument :
BNA_G
ClientSampleId :

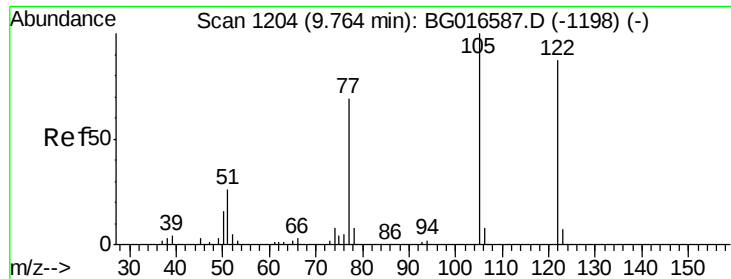
Tot Ion:122 Resp: 13879
Ion Ratio Lower Upper
122 100
107 98.9 82.9 124.3
121 57.1 47.0 70.4



#31
Naphthalene
Concen: 52.45 ng
RT: 10.47 min Scan# 1325
Delta R.T. 0.00 min
Lab File: BG016648.D
Acq: 23 Apr 2015 10:09

Tgt Ion:128 Resp: 700162
Ion Ratio Lower Upper
128 100
129 11.5 9.2 13.8
127 14.0 10.6 16.0

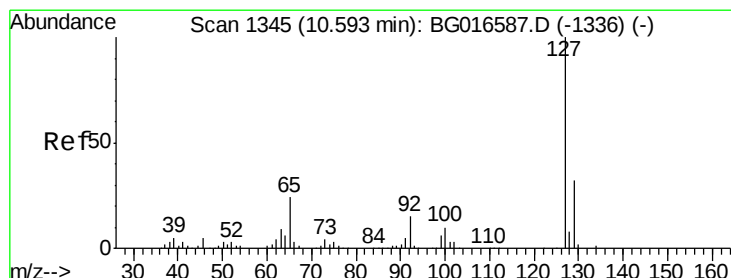
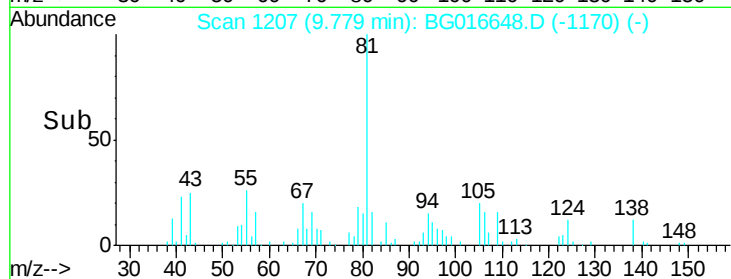
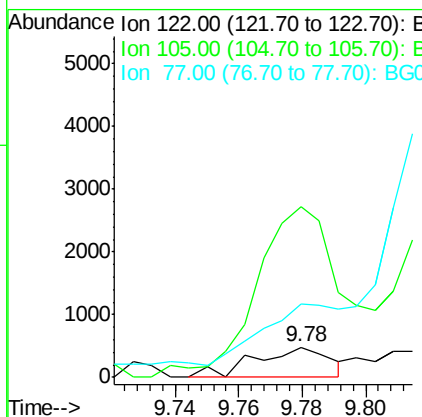
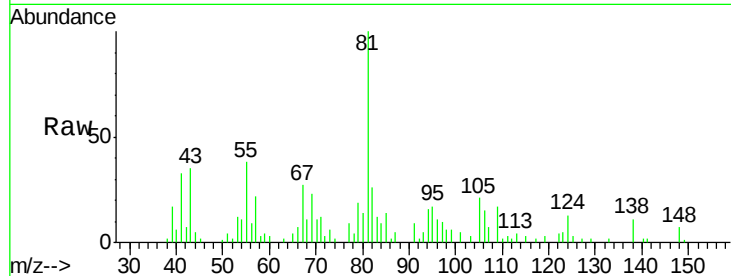




#32
Benzoic acid
Concen: 7.62 ng
RT: 9.78 min Scan# 1207
Delta R.T. 0.02 min
Lab File: BG016648.D
Acq: 23 Apr 2015 10:09

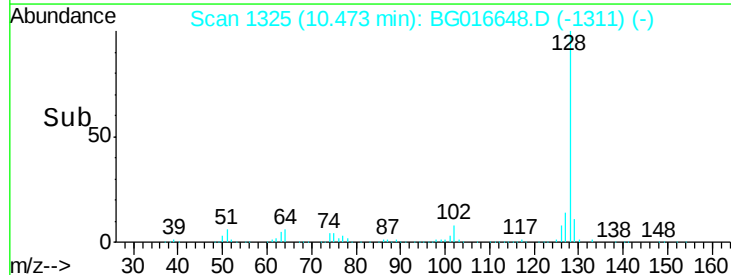
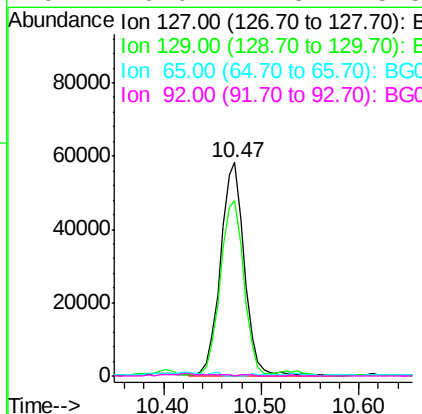
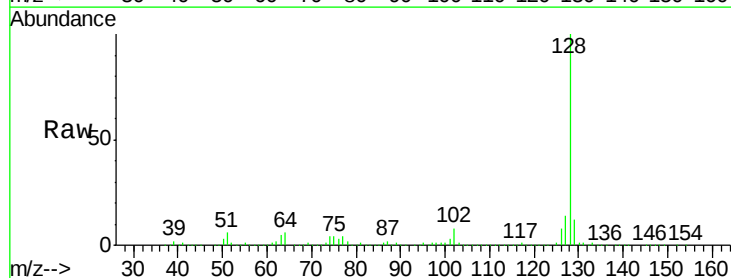
Instrument :
BNA_G
ClientSampled :

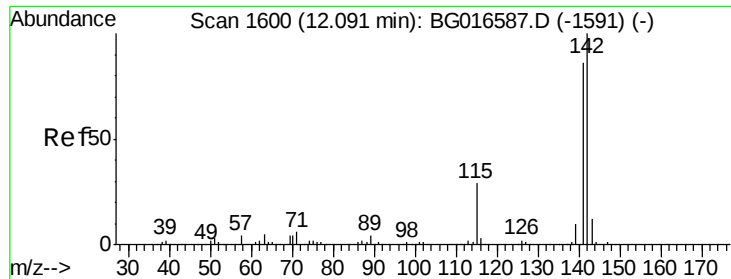
Tot Ion:122 Resp: 790
Ion Ratio Lower Upper
122 100
105 565.1 95.5 135.5#
77 244.7 60.2 100.2#



#33
4-Chloroaniline
Concen: 16.26 ng
RT: 10.47 min Scan# 1325
Delta R.T. -0.12 min
Lab File: BG016648.D
Acq: 23 Apr 2015 10:09

Tgt Ion:127 Resp: 99247
Ion Ratio Lower Upper
127 100
129 82.3 25.4 38.0#
65 0.0 19.0 28.4#
92 0.0 12.3 18.5#

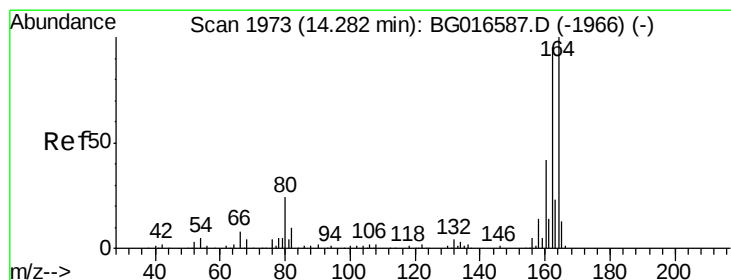
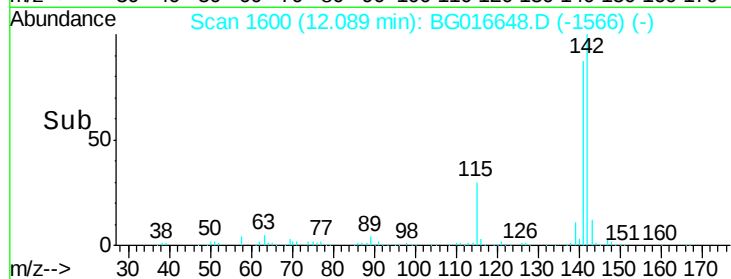
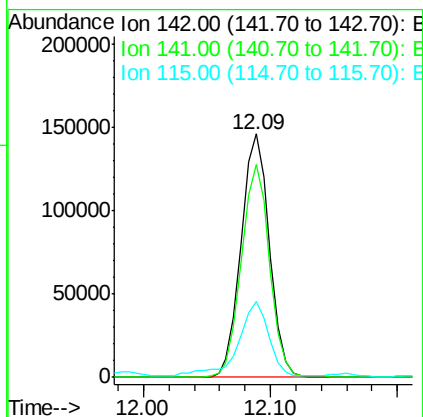
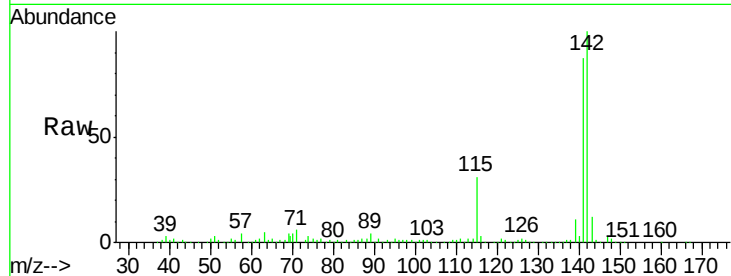




#37
2-Methylnaphthalene
Concen: 23.70 ng
RT: 12.09 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BG016648.D
Acq: 23 Apr 2015 10:09

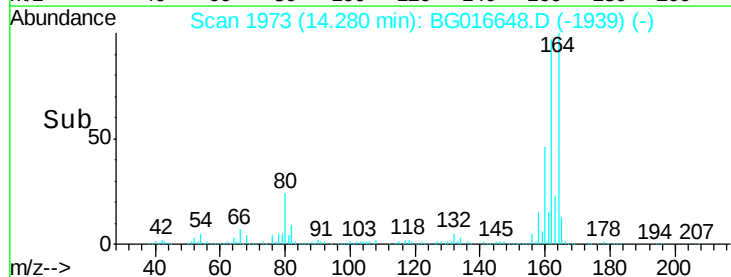
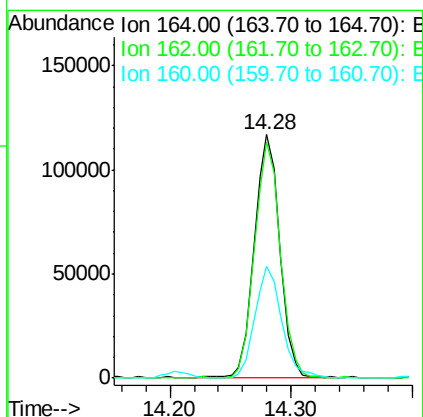
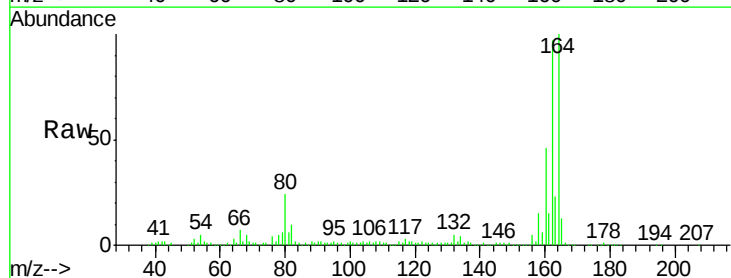
Instrument :
BNA_G
ClientSampleId :

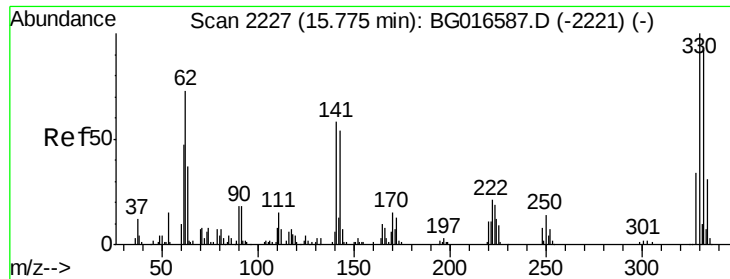
Tot Ion:142 Resp: 226515
Ion Ratio Lower Upper
142 100
141 87.4 68.6 102.8
115 31.0 23.3 34.9



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.28 min Scan# 1973
Delta R.T. -0.00 min
Lab File: BG016648.D
Acq: 23 Apr 2015 10:09

Tgt Ion:164 Resp: 170006
Ion Ratio Lower Upper
164 100
162 97.0 75.8 113.6
160 45.8 33.8 50.6

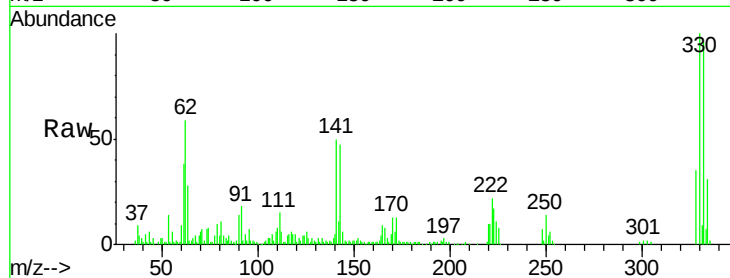




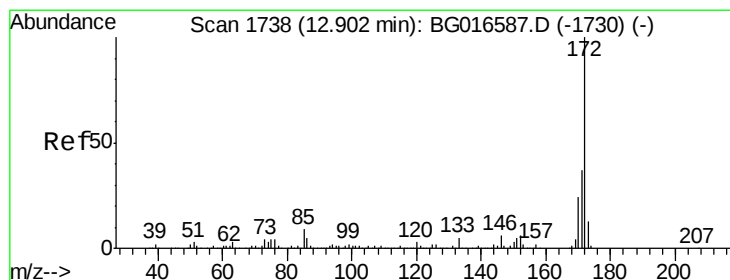
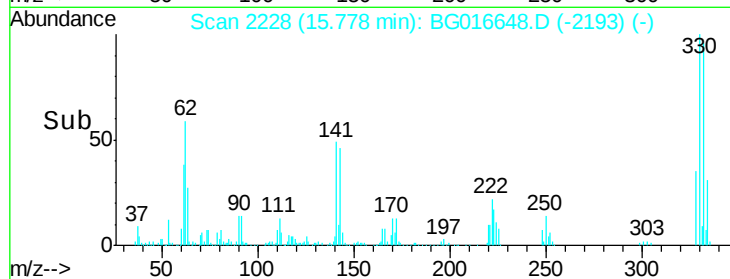
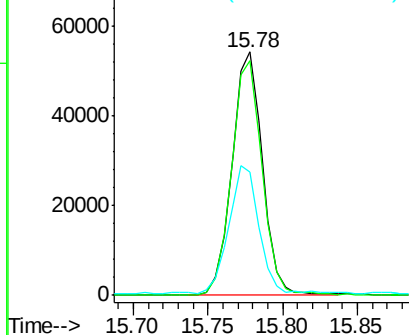
#41
 2,4,6-Tribromophenol
 Concen: 66.72 ng
 RT: 15.78 min Scan# 2228
 Delta R.T. 0.00 min
 Lab File: BG016648.D
 Acq: 23 Apr 2015 10:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 77044
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 114.8
 141 51.5 45.9 68.9

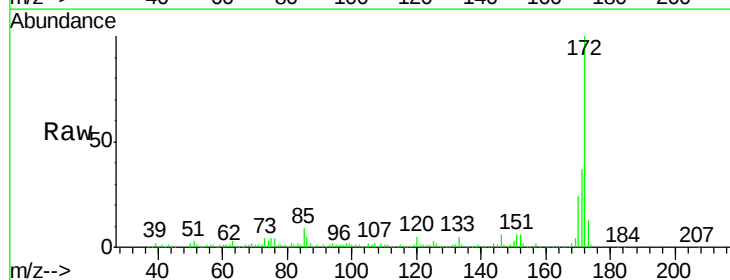


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

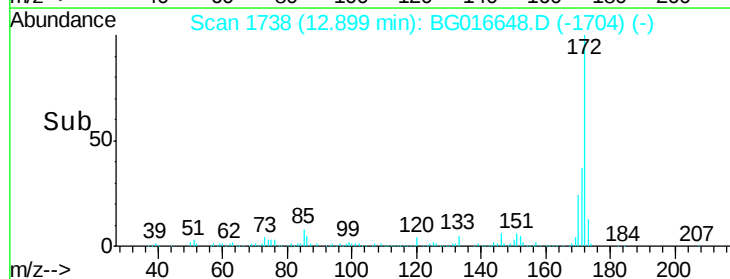
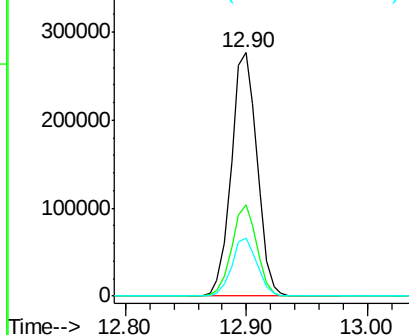


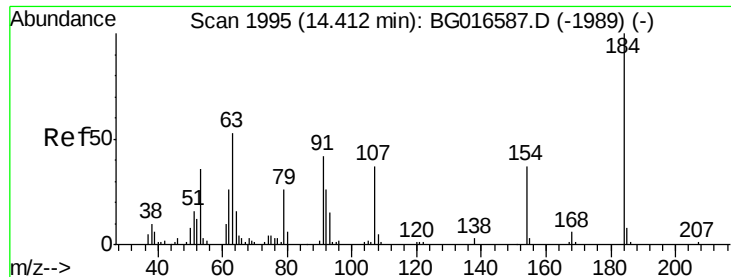
#44
 2-Fluorobiphenyl
 Concen: 40.09 ng
 RT: 12.90 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: BG016648.D
 Acq: 23 Apr 2015 10:09

Tgt Ion:172 Resp: 411545
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.6 44.4
 170 24.0 19.4 29.0



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

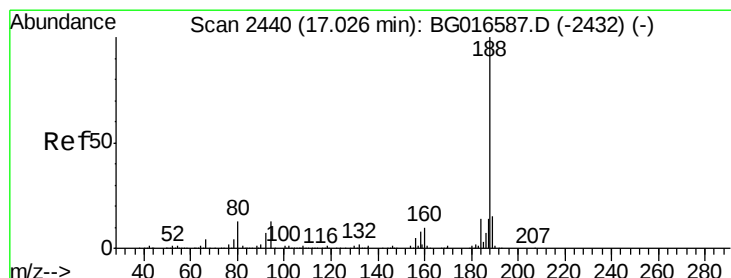
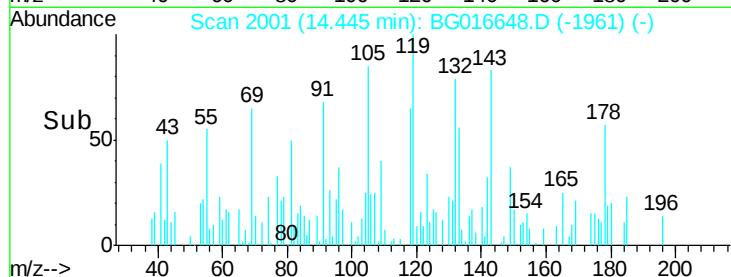
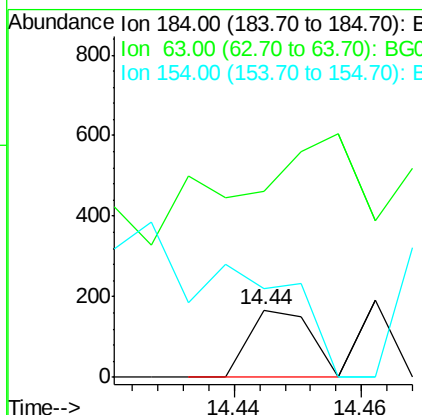
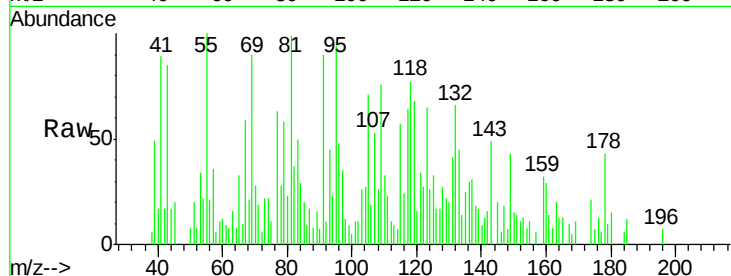




#53
 2,4-Dinitrophenol
 Concen: 8.46 ng
 RT: 14.44 min Scan# 2001
 Delta R.T. 0.03 min
 Lab File: BG016648.D
 Acq: 23 Apr 2015 10:09

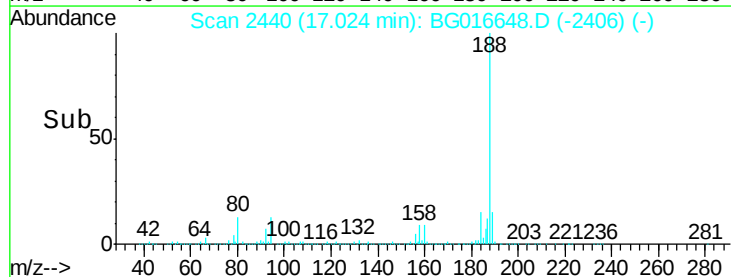
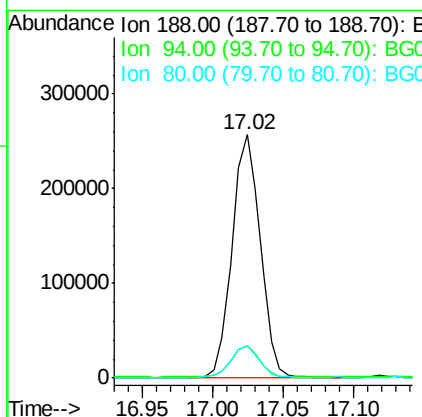
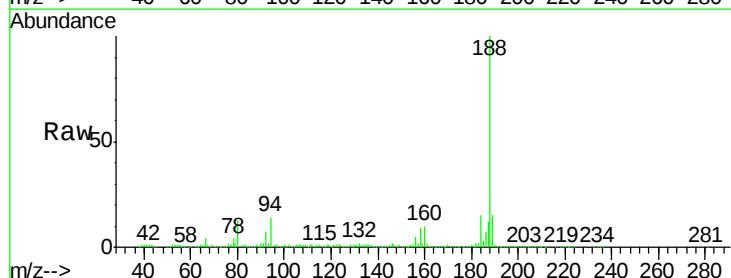
Instrument :
 BNA_G
 ClientSampled :

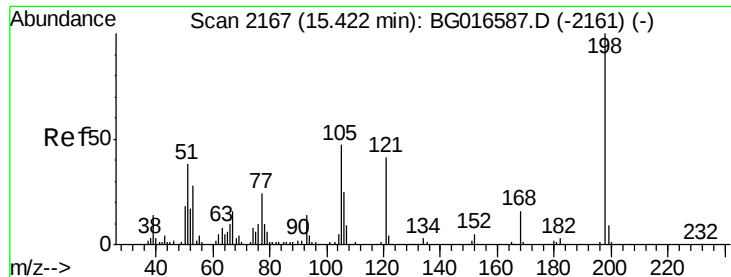
Tot Ion:184 Resp: 112
 Ion Ratio Lower Upper
 184 100
 63 276.0 42.6 64.0#
 154 131.7 33.4 50.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.02 min Scan# 2440
 Delta R.T. -0.00 min
 Lab File: BG016648.D
 Acq: 23 Apr 2015 10:09

Tgt Ion:188 Resp: 357156
 Ion Ratio Lower Upper
 188 100
 94 13.6 10.5 15.7
 80 13.1 10.6 16.0





#64

4,6-Dinitro-2-methylphenol

Concen: 4.15 ng

RT: 15.40 min Scan# 2164

Delta R.T. -0.02 min

Lab File: BG016648.D

Acq: 23 Apr 2015 10:09

Instrument :

BNA_G

ClientSampleId :

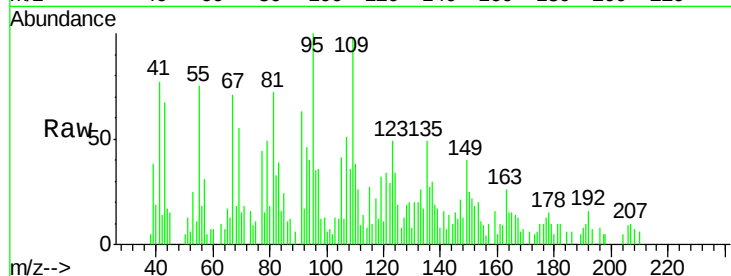
Tot Ion:198 Resp: 62

Ion Ratio Lower Upper

198 100

51 253.7 18.6 58.6#

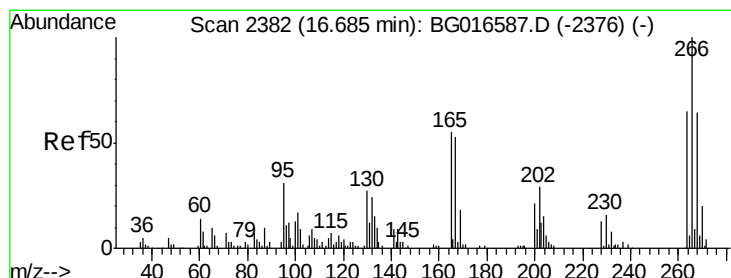
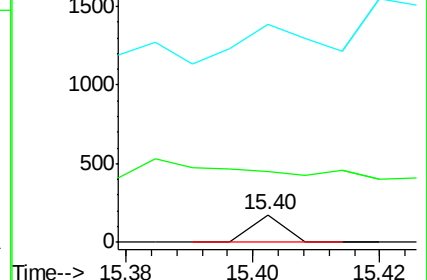
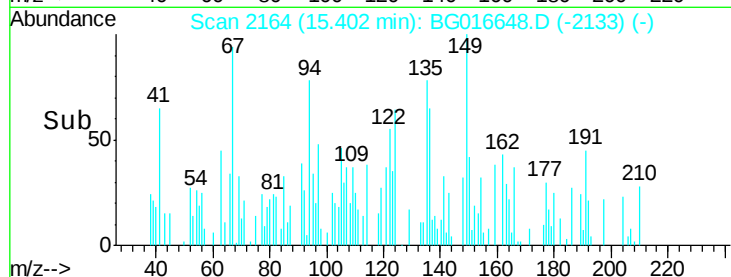
105 783.1 27.7 67.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG016648.D (-2133) (-)

Ion 105.00 (104.70 to 105.70): E



#69

Pentachlorophenol

Concen: 6.34 ng

RT: 16.69 min Scan# 2383

Delta R.T. 0.00 min

Lab File: BG016648.D

Acq: 23 Apr 2015 10:09

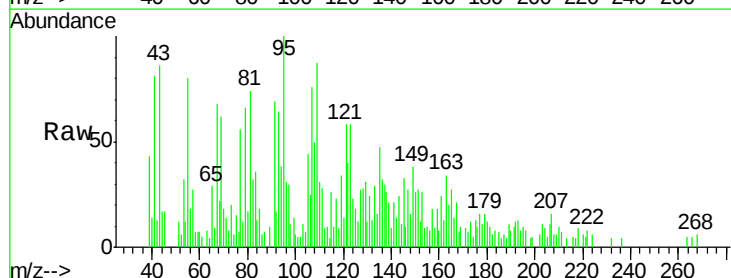
Tgt Ion:266 Resp: 178

Ion Ratio Lower Upper

266 100

268 130.4 51.3 76.9#

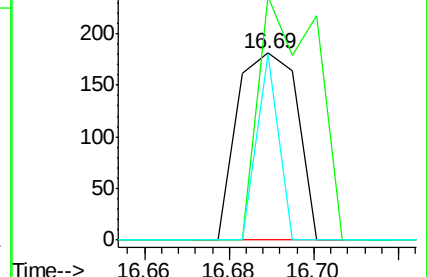
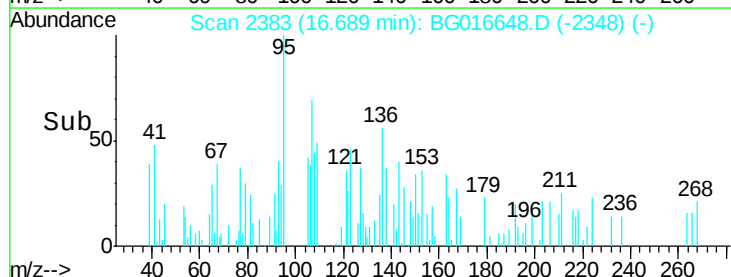
264 99.4 52.2 78.4#

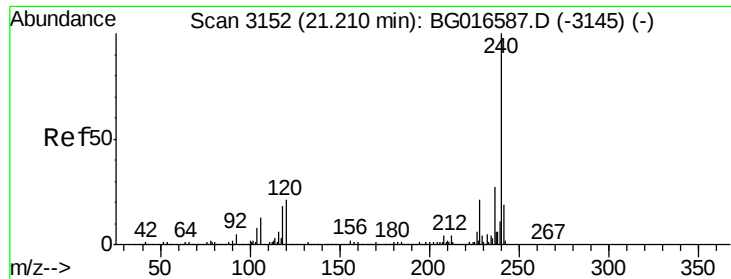


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.21 min Scan# 3152

Delta R.T. -0.00 min

Lab File: BG016648.D

Acq: 23 Apr 2015 10:09

Instrument :

BNA_G

ClientSampleId :

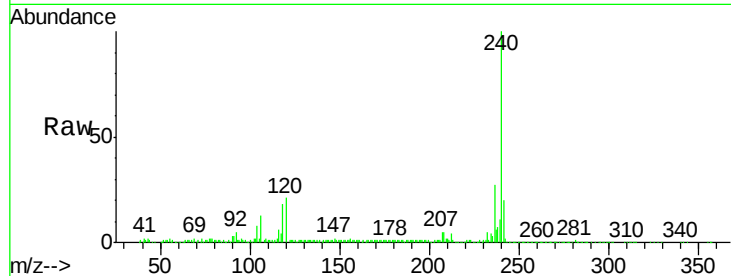
Tot Ion:240 Resp: 303136

Ion Ratio Lower Upper

240 100

120 20.8 16.7 25.1

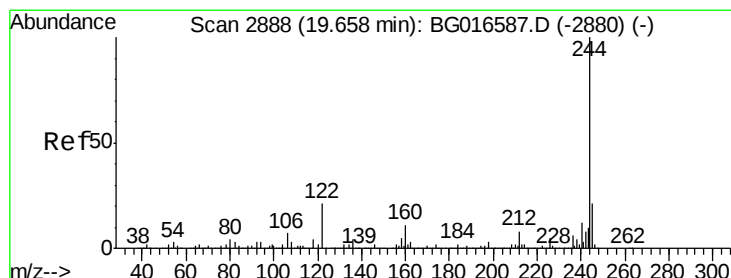
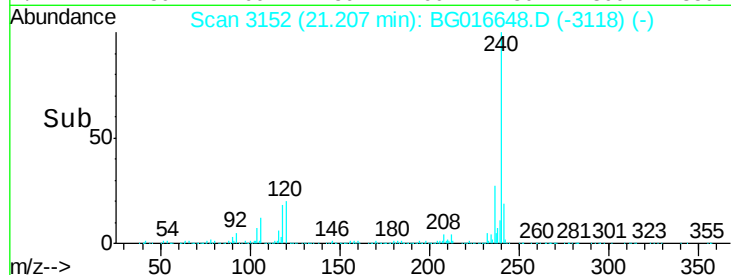
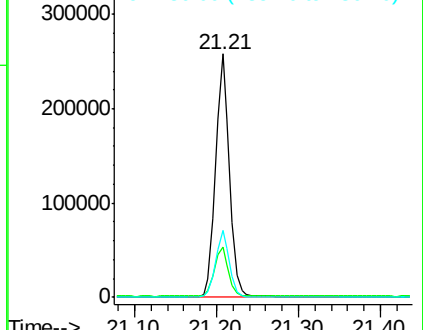
236 27.4 21.7 32.5



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: 33.78 ng

RT: 19.65 min Scan# 2887

Delta R.T. -0.01 min

Lab File: BG016648.D

Acq: 23 Apr 2015 10:09

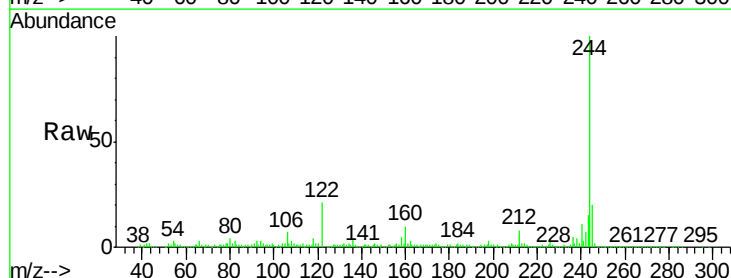
Tgt Ion:244 Resp: 425077

Ion Ratio Lower Upper

244 100

212 7.8 6.8 10.2

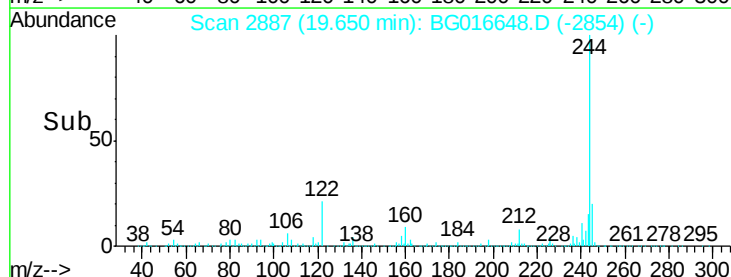
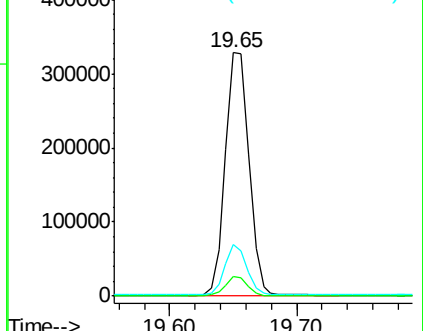
122 21.2 17.0 25.6

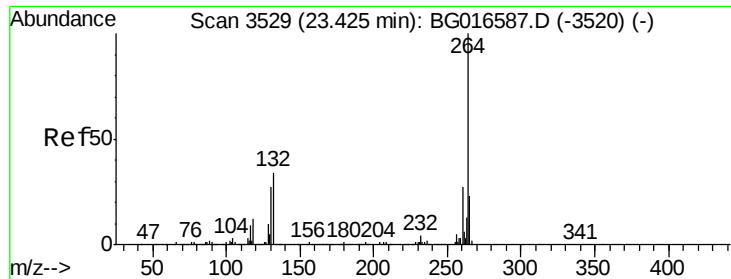


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.43 min Scan# 3530
Delta R.T. 0.00 min
Lab File: BG016648.D
Acq: 23 Apr 2015 10:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	25.3	21.4	32.2	
265	22.2	18.7	28.1	

