

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071216\
 Data File : BG023043.D
 Acq On : 12 Jul 2016 19:25
 Operator : UM/SJ
 Sample : H3967-07RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S22-0009RE

Quant Time: Jul 13 01:07:03 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 18:30:58 2016
 Response via : Initial Calibration

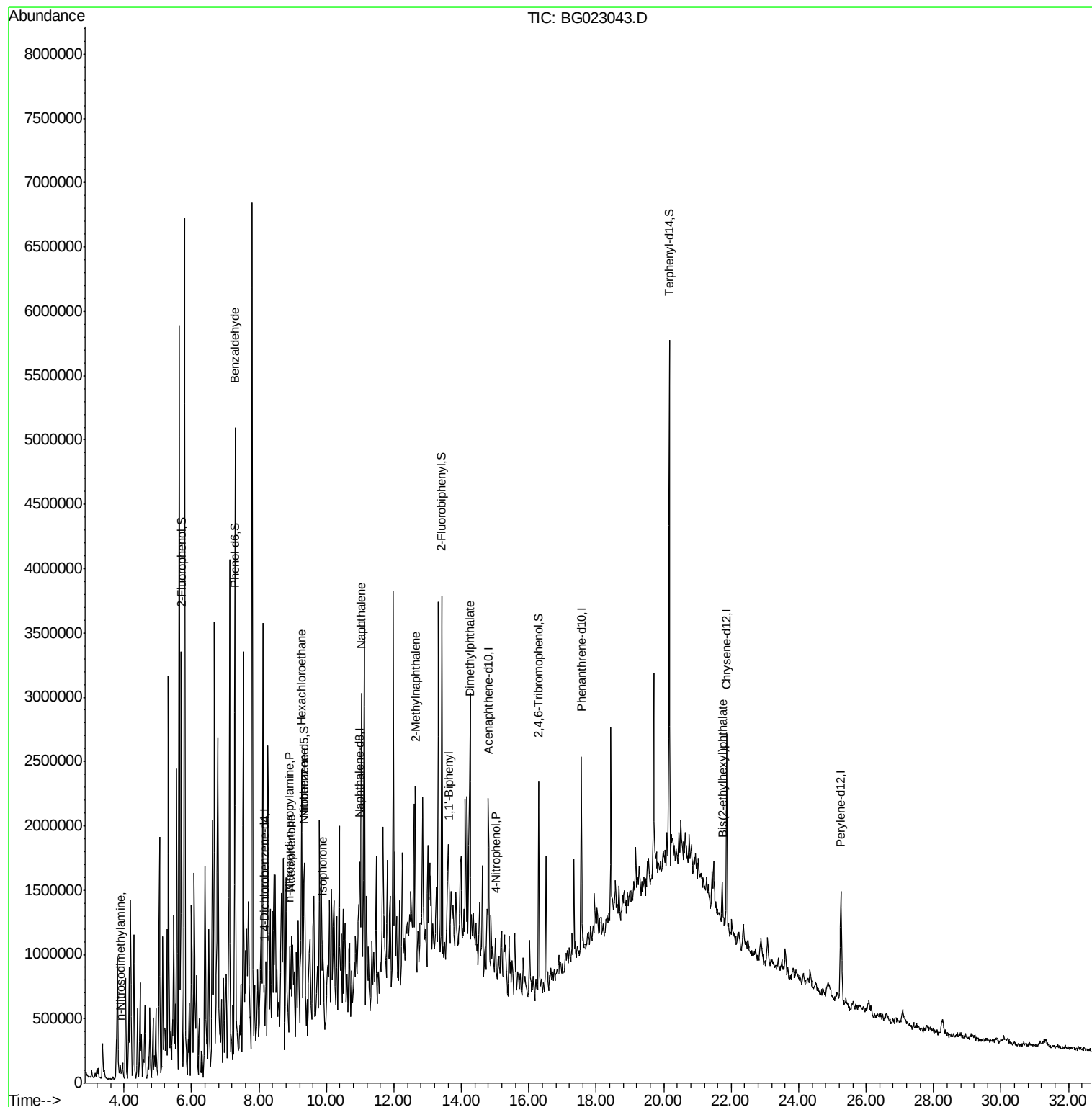
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	115663	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	532356	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	387394	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	846261	20.00	ng	0.00
75) Chrysene-d12	21.87	240	936569	20.00	ng	0.02
86) Perylene-d12	25.25	264	974868	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	180945	25.59	ng	0.00
7) Phenol-d6	7.30	99	209098	18.88	ng	0.00
23) Nitrobenzene-d5	9.32	82	693768	55.80	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	297130	42.68	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1397623	56.83	ng	0.00
78) Terphenyl-d14	20.16	244	1685557	47.83	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.90	42	8154	2.02	ng	# 1
9) Benzaldehyde	7.29	77	230456	31.14	ng	# 1
18) Hexachloroethane	9.27	117	138535	35.58	ng	# 1
19) n-Nitroso-di-n-propylamine	8.91	70	51076	5.12	ng	# 72
22) Acetophenone	8.95	105	480765	30.09	ng	# 56
24) Nitrobenzene	9.35	77	35734	2.70	ng	# 38
25) Isophorone	9.89	82	86197	3.45	ng	# 1
31) Naphthalene	11.03	128	1460363	53.89	ng	97
37) 2-Methylnaphthalene	12.63	142	670125	31.29	ng	96
45) 1,1'-Biphenyl	13.63	154	88474	3.04	ng	96
49) Dimethylphthalate	14.24	163	365740	11.56	ng	97
55) 4-Nitrophenol	15.01	139	13951	2.35	ng	# 44
83) Bis(2-ethylhexyl)phthalate	21.73	149	71380	2.47	ng	97

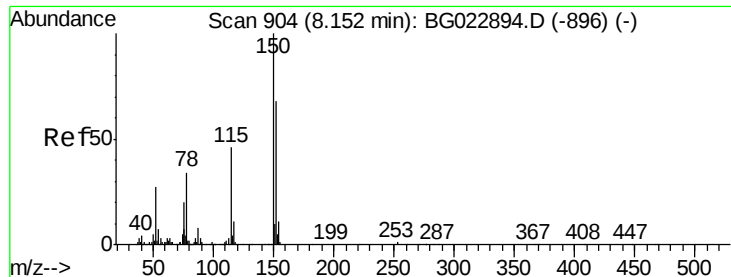
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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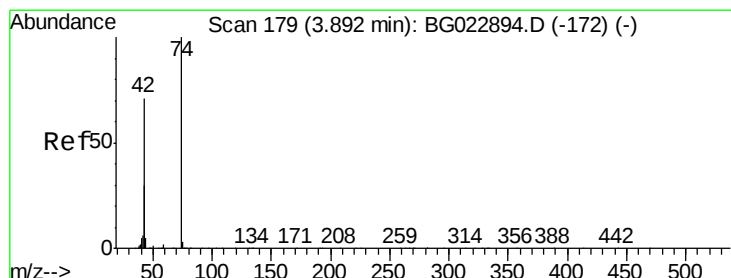
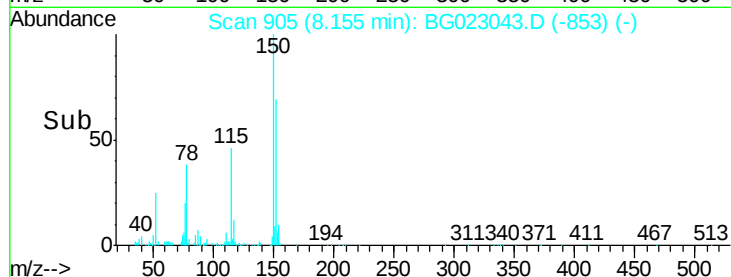
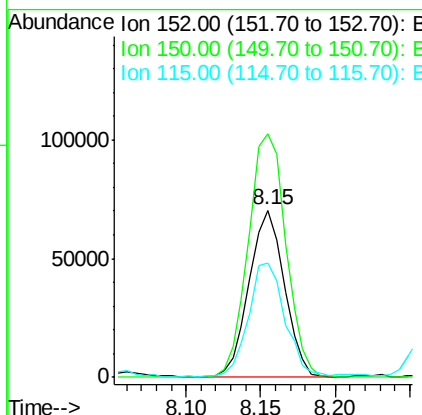
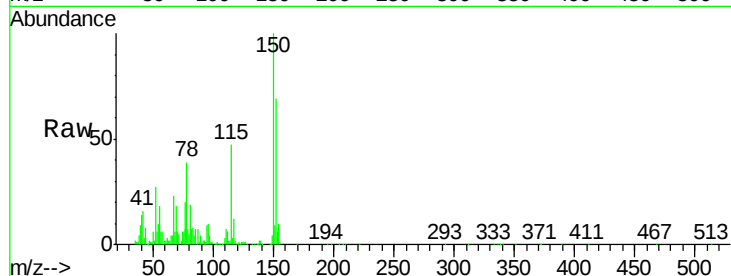


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 905
Delta R.T. 0.00 min
Lab File: BG023043.D
Acq: 12 Jul 2016 19:25

Instrument :
BNA_G
ClientSampleId :
S22-0009RE

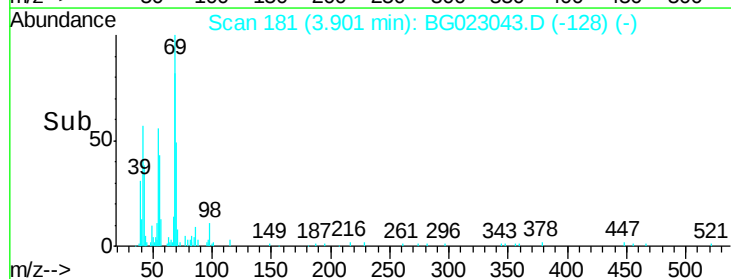
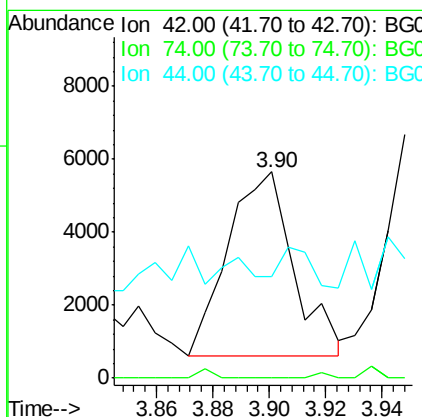
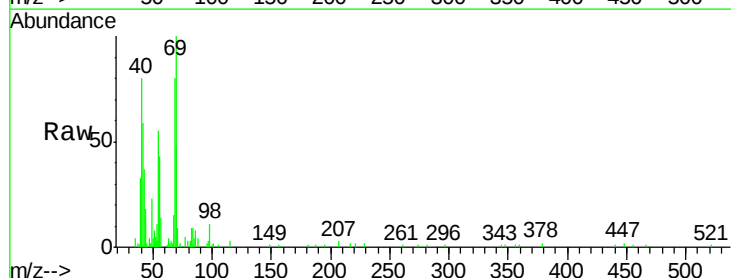
Tgt Ion:152 Resp: 115663
Ion Ratio Lower Upper
152 100
150 145.6 144.7 217.1
115 68.7 64.0 96.0

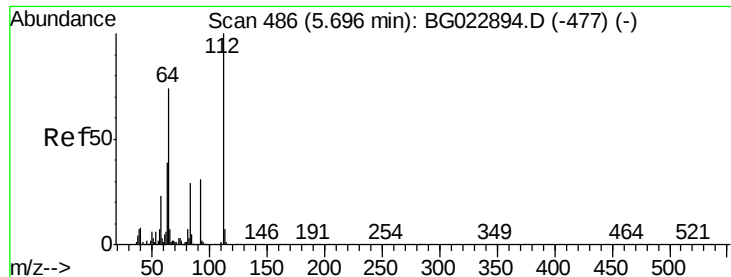


#4

n-Nitrosodimethylamine
Concen: 2.02 ng
RT: 3.90 min Scan# 181
Delta R.T. 0.01 min
Lab File: BG023043.D
Acq: 12 Jul 2016 19:25

Tgt Ion: 42 Resp: 8154
Ion Ratio Lower Upper
42 100
74 0.0 100.6 150.8#
44 49.6 4.5 6.7#





#5

2-Fluorophenol

Concen: 25.59 ng

RT: 5.70 min Scan# 487

Delta R.T. 0.00 min

Lab File: BG023043.D

Acq: 12 Jul 2016 19:25

Instrument :

BNA_G

ClientSampleId :

S22-0009RE

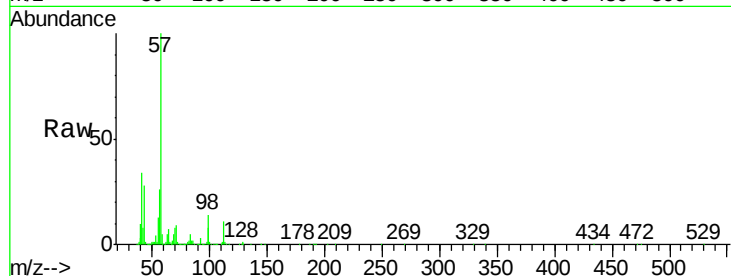
Tgt Ion: 112 Resp: 180945

Ion Ratio Lower Upper

112 100

64 64.0 59.0 88.4

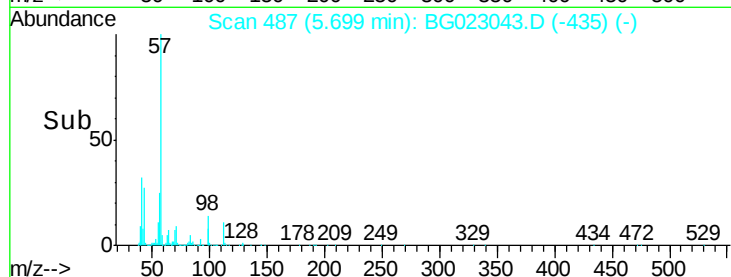
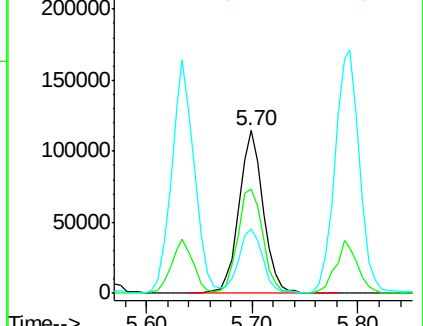
63 39.3 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 18.88 ng

RT: 7.30 min Scan# 760

Delta R.T. -0.00 min

Lab File: BG023043.D

Acq: 12 Jul 2016 19:25

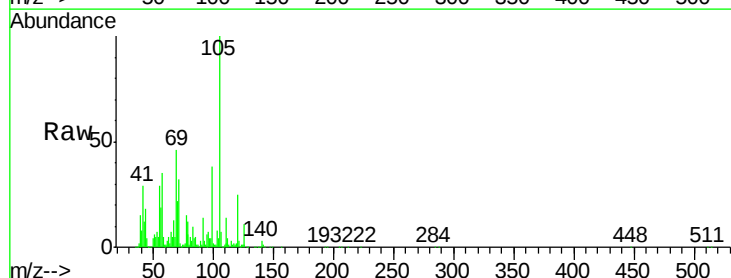
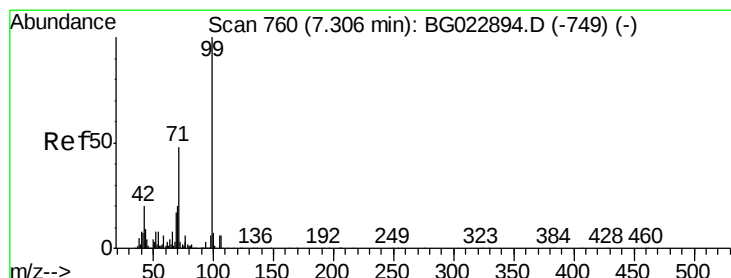
Tgt Ion: 99 Resp: 209098

Ion Ratio Lower Upper

99 100

42 32.3 17.8 26.6#

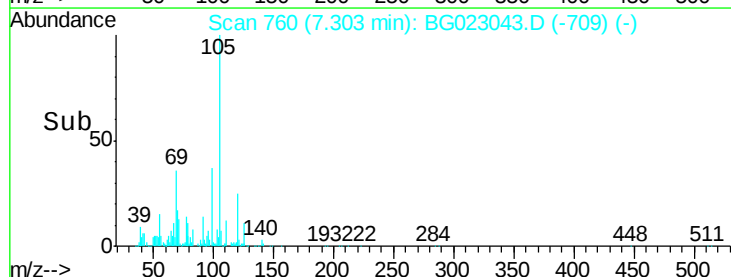
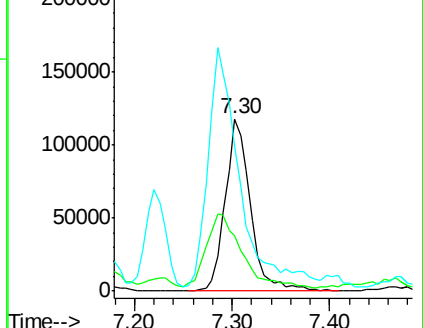
71 84.5 41.5 62.3#

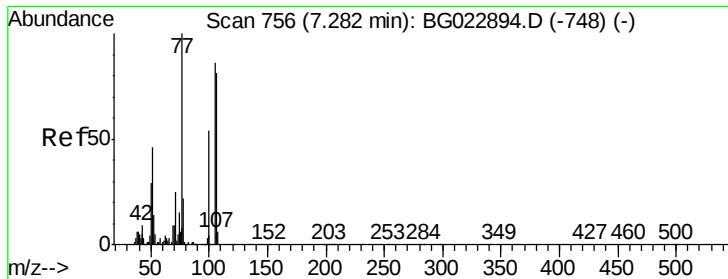


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#9

Benzaldehyde

Concen: 31.14 ng

RT: 7.29 min Scan# 757

Delta R.T. 0.00 min

Lab File: BG023043.D

Acq: 12 Jul 2016 19:25

Instrument :

BNA_G

ClientSampled :

S22-0009RE

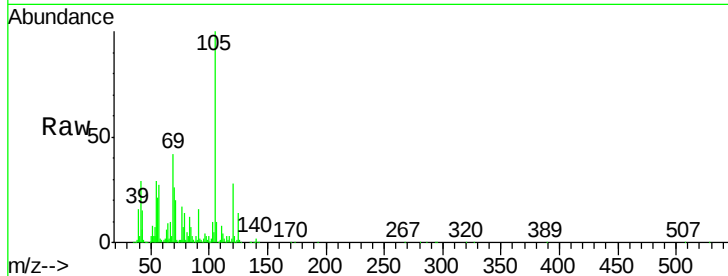
Tgt Ion: 77 Resp: 230456

Ion Ratio Lower Upper

77 100

105 587.9 58.7 98.7#

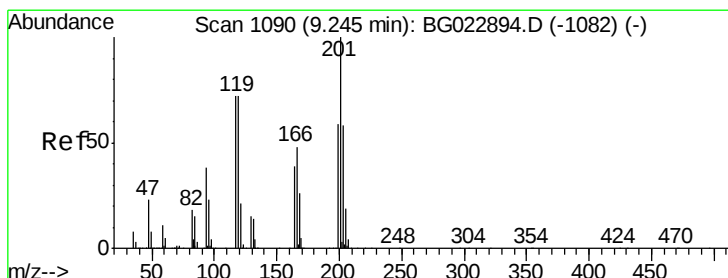
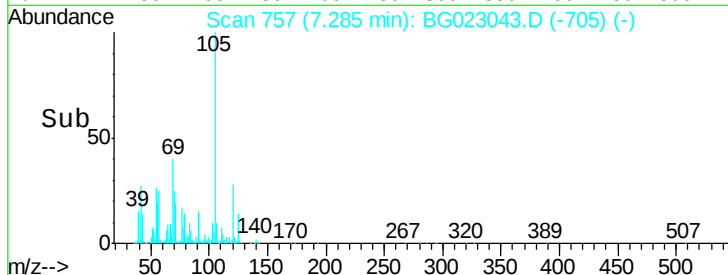
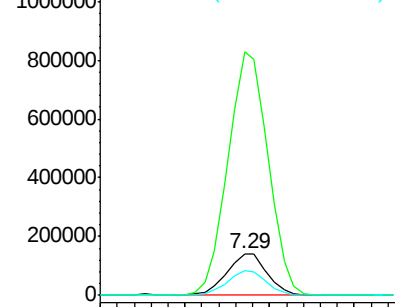
106 58.4 67.5 107.5#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#18

Hexachloroethane

Concen: 35.58 ng

RT: 9.27 min Scan# 1094

Delta R.T. 0.02 min

Lab File: BG023043.D

Acq: 12 Jul 2016 19:25

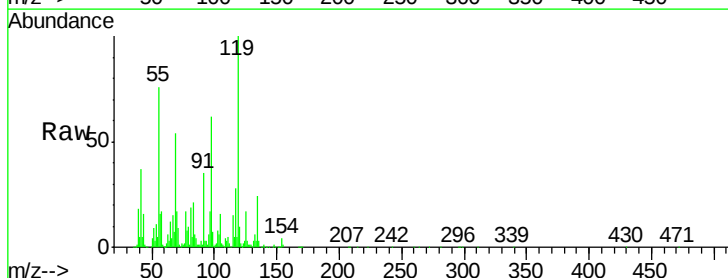
Tgt Ion: 117 Resp: 138535

Ion Ratio Lower Upper

117 100

119 354.0 73.7 110.5#

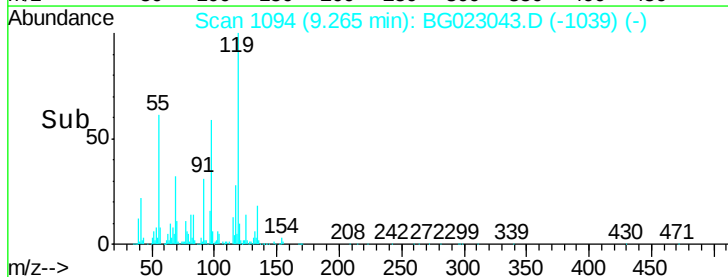
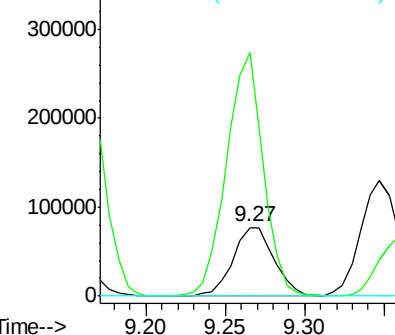
201 0.0 88.7 133.1#

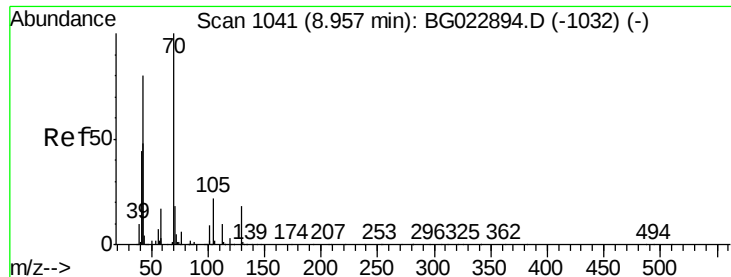


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

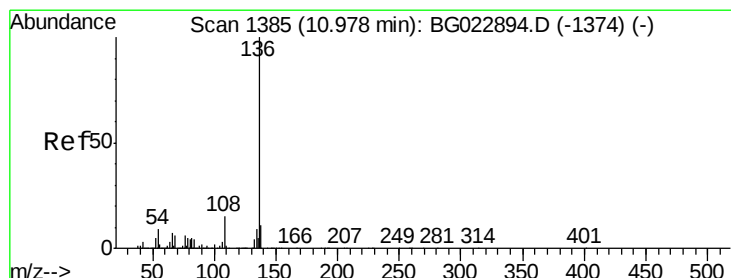
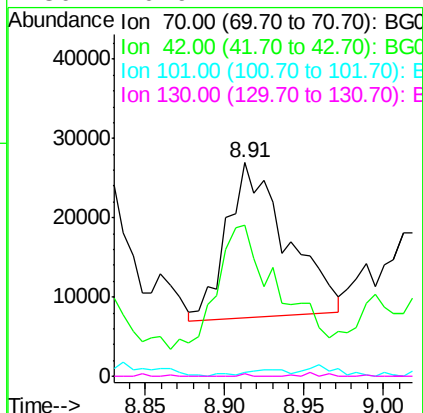
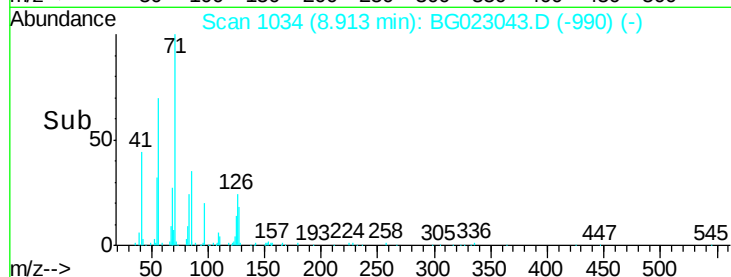
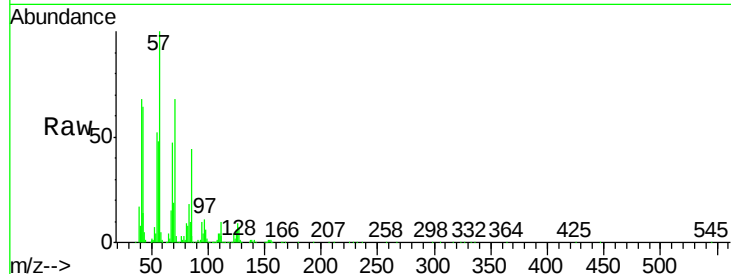




#19
n-Nitroso-di-n-propylamine
Concen: 5.12 ng
RT: 8.91 min Scan# 1034
Delta R.T. -0.04 min
Lab File: BG023043.D
Acq: 12 Jul 2016 19:25

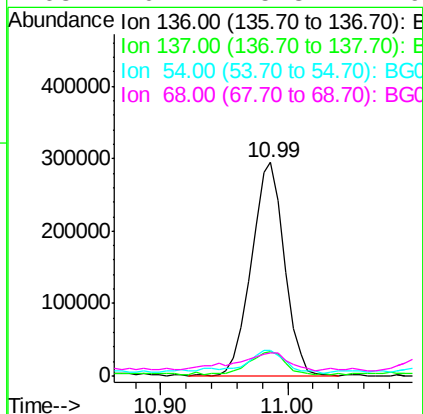
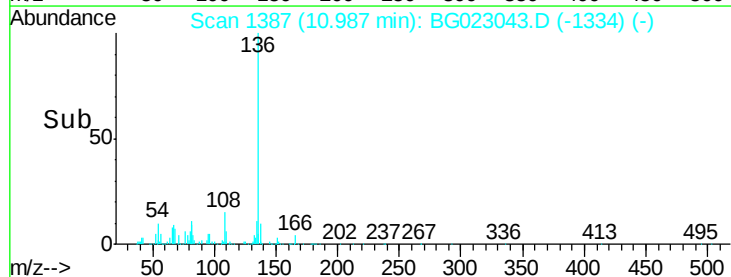
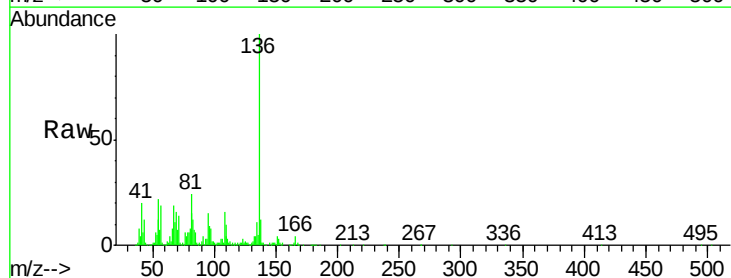
Instrument :
BNA_G
ClientSampleId :
S22-0009RE

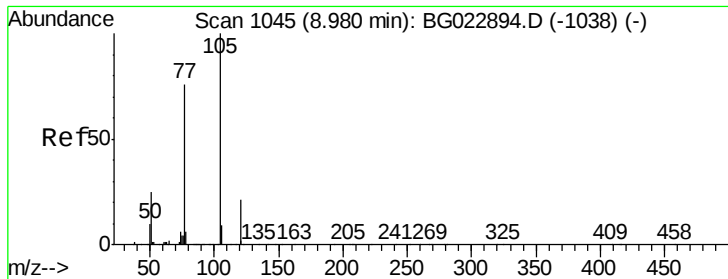
Tgt Ion: 70 Resp: 51076
Ion Ratio Lower Upper
70 100
42 70.5 42.1 63.1#
101 1.7 7.2 10.8#
130 0.9 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.99 min Scan# 1387
Delta R.T. 0.01 min
Lab File: BG023043.D
Acq: 12 Jul 2016 19:25

Tgt Ion: 136 Resp: 532356
Ion Ratio Lower Upper
136 100
137 11.5 9.6 14.4
54 12.2 7.3 10.9#
68 10.7 5.3 7.9#





#22

Acetophenone

Concen: 30.09 ng

RT: 8.95 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BG023043.D

Acq: 12 Jul 2016 19:25

Instrument :

BNA_G

ClientSampleId :

S22-0009RE

Tgt Ion: 105 Resp: 480765

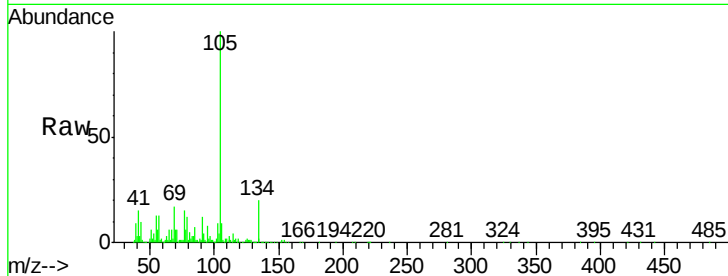
Ion Ratio Lower Upper

105 100

71 6.4 2.6 3.8#

51 5.7 27.1 40.7#

120 0.5 15.1 22.7#

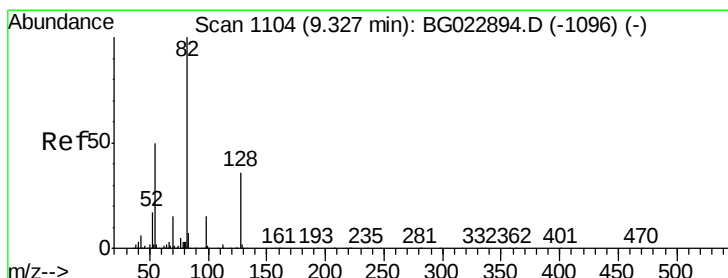
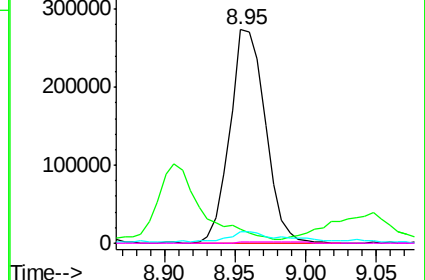
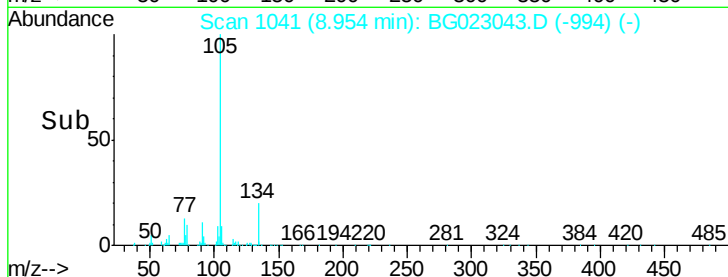


Abundance Ion 105.00 (104.70 to 105.70): E

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: 55.80 ng

RT: 9.32 min Scan# 1104

Delta R.T. -0.00 min

Lab File: BG023043.D

Acq: 12 Jul 2016 19:25

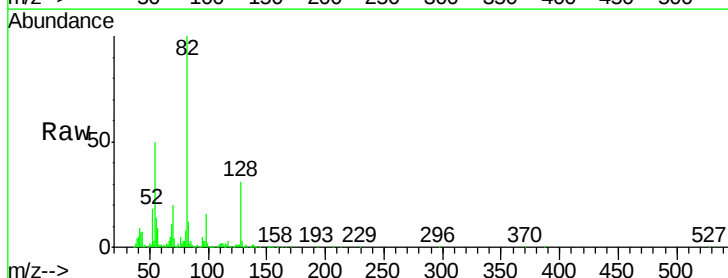
Tgt Ion: 82 Resp: 693768

Ion Ratio Lower Upper

82 100

128 31.2 24.4 36.6

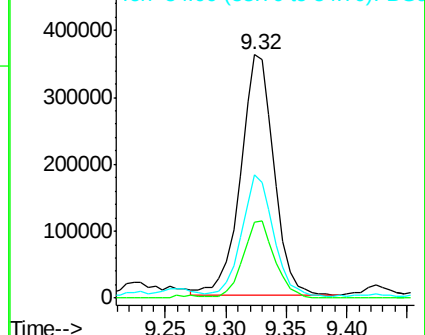
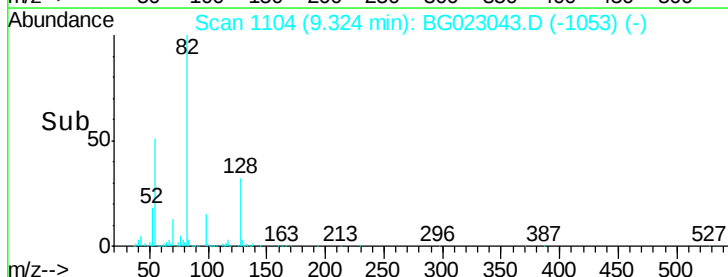
54 50.4 41.4 62.0

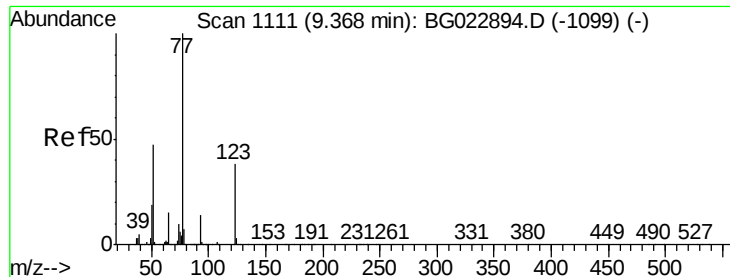


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

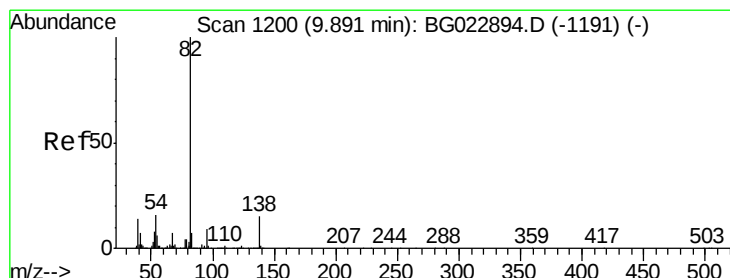
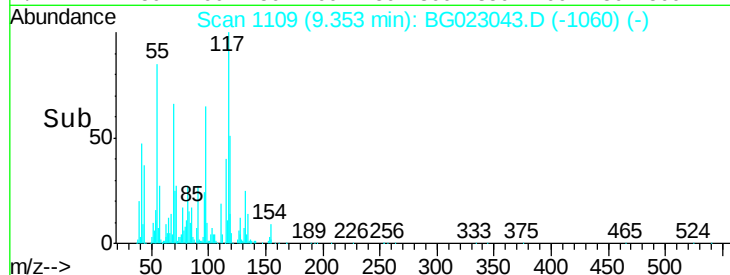
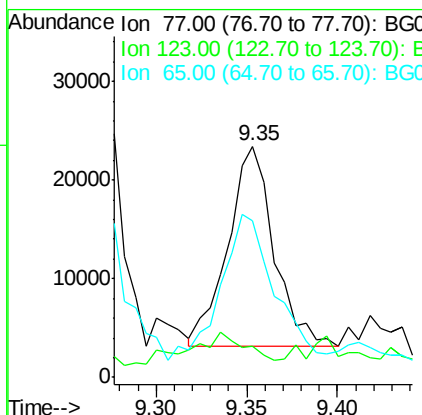
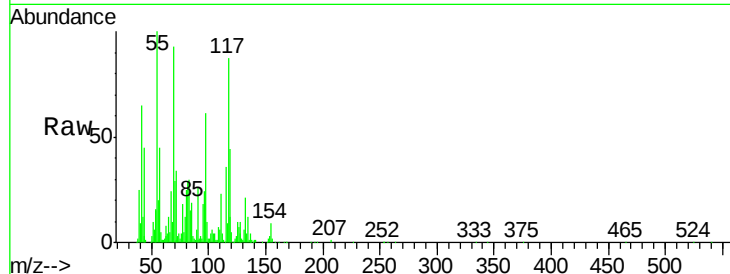




#24
 Nitrobenzene
 Concen: 2.70 ng
 RT: 9.35 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: BG023043.D
 Acq: 12 Jul 2016 19:25

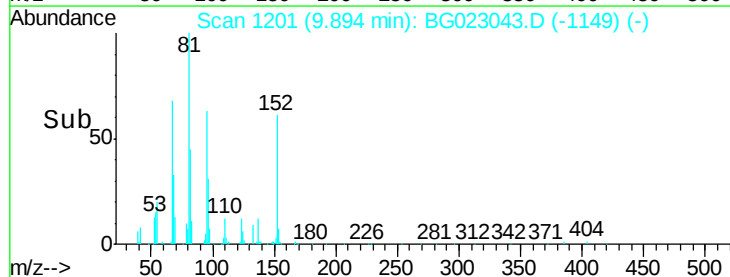
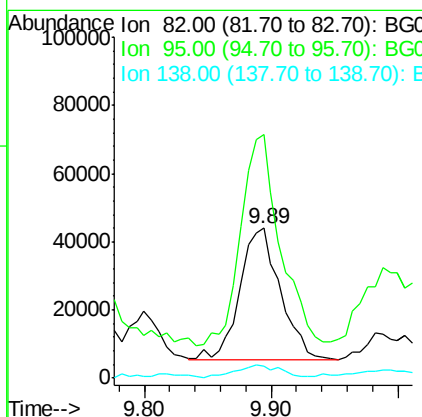
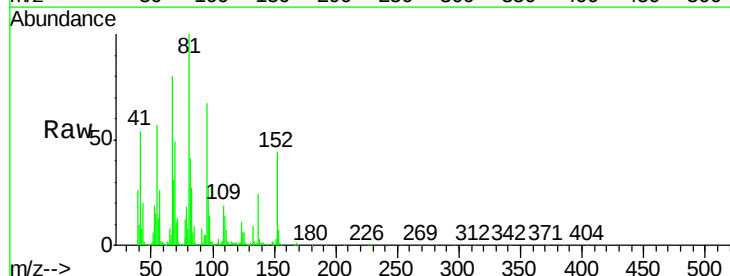
Instrument :
 BNA_G
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 S22-0009RE

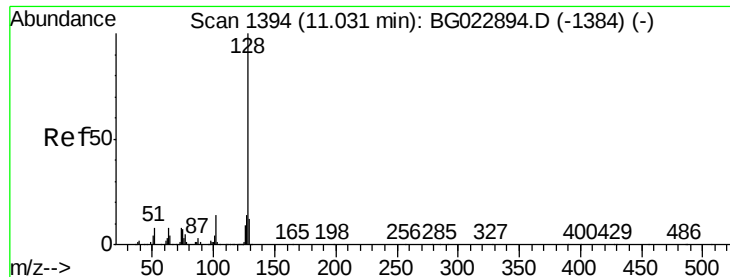
Tgt Ion: 77 Resp: 35734
 Ion Ratio Lower Upper
 77 100
 123 13.5 25.0 37.6#
 65 67.7 13.4 20.0#



#25
 Isophorone
 Concen: 3.45 ng
 RT: 9.89 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BG023043.D
 Acq: 12 Jul 2016 19:25

Tgt Ion: 82 Resp: 86197
 Ion Ratio Lower Upper
 82 100
 95 162.5 8.2 12.2#
 138 7.6 10.7 16.1#





#31

Naphthalene

Concen: 53.89 ng

RT: 11.03 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BG023043.D

Acq: 12 Jul 2016 19:25

Instrument :

BNA_G

ClientSampleId :

S22-0009RE

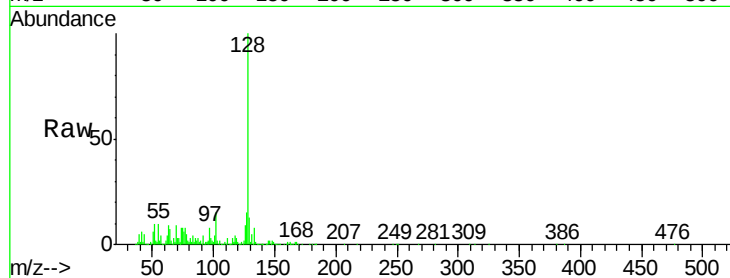
Tgt Ion:128 Resp: 1460363

Ion Ratio Lower Upper

128 100

129 13.3 9.4 14.0

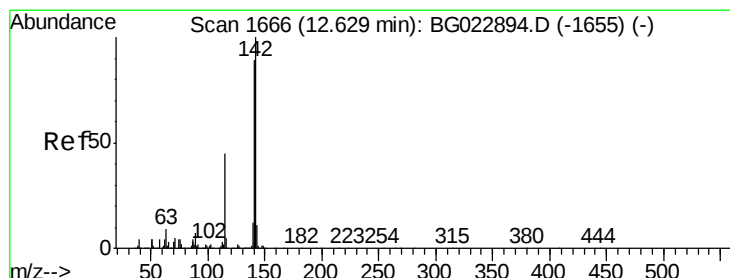
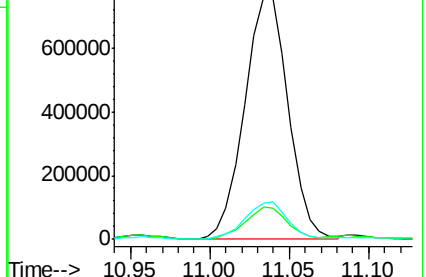
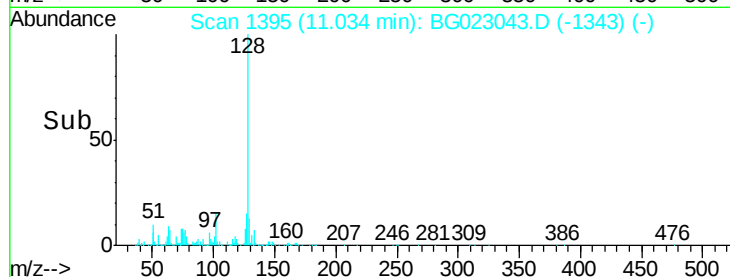
127 15.0 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 31.29 ng

RT: 12.63 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BG023043.D

Acq: 12 Jul 2016 19:25

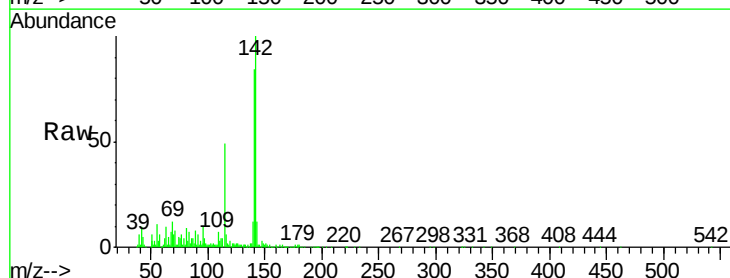
Tgt Ion:142 Resp: 670125

Ion Ratio Lower Upper

142 100

141 84.4 70.2 105.2

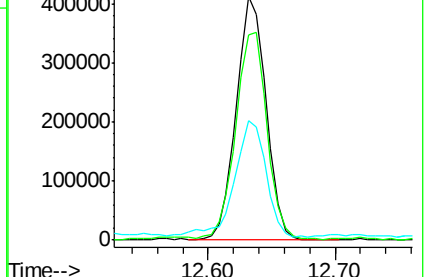
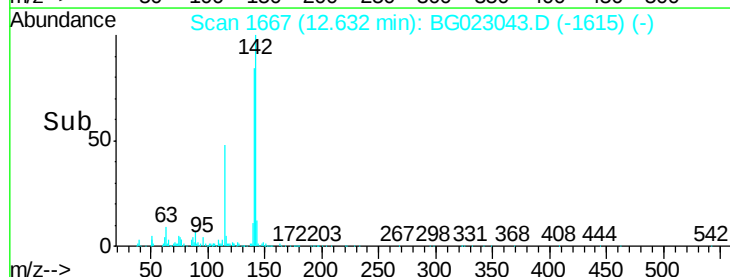
115 49.2 41.7 62.5

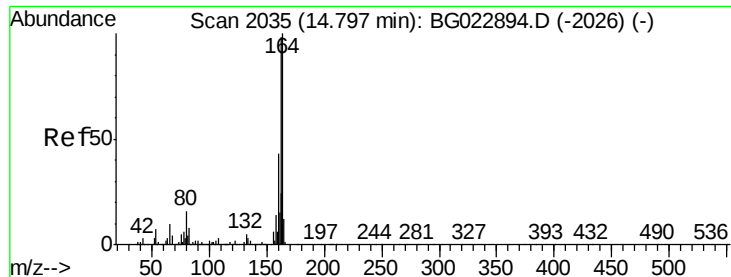


Abundance Ion 142.00 (141.70 to 142.70): E

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: BG023043.D

Acq: 12 Jul 2016 19:25

Instrument :

BNA_G

ClientSampleId :

S22-0009RE

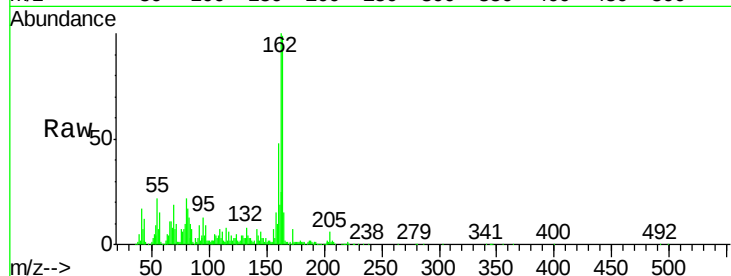
Tgt Ion:164 Resp: 387394

Ion Ratio Lower Upper

164 100

162 101.3 87.7 131.5

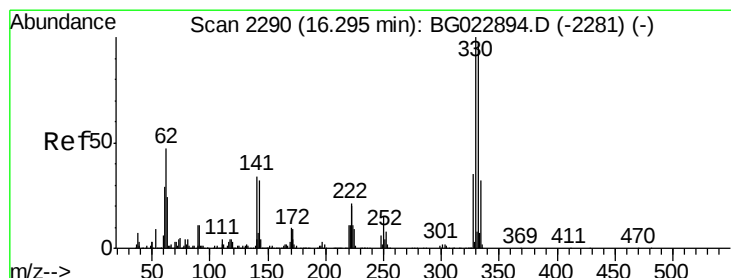
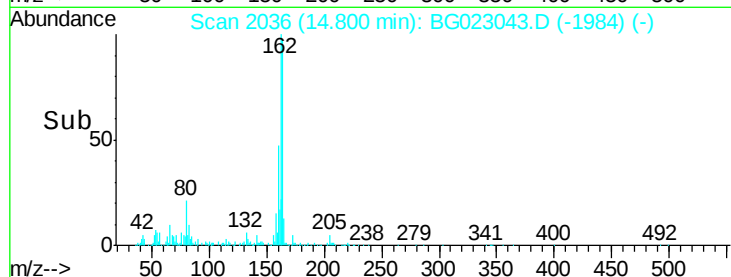
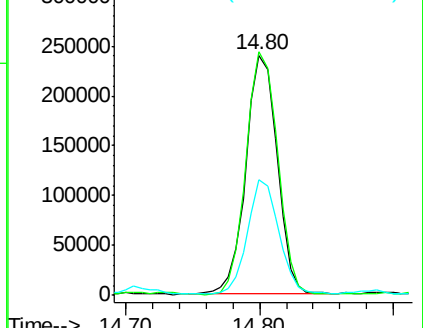
160 48.3 37.2 55.8



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: 42.68 ng

RT: 16.29 min Scan# 2290

Delta R.T. -0.00 min

Lab File: BG023043.D

Acq: 12 Jul 2016 19:25

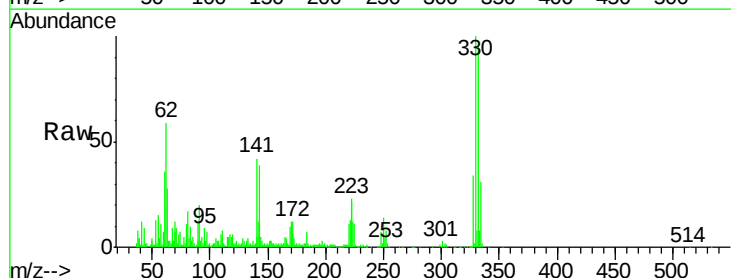
Tgt Ion:330 Resp: 297130

Ion Ratio Lower Upper

330 100

332 95.7 77.4 116.2

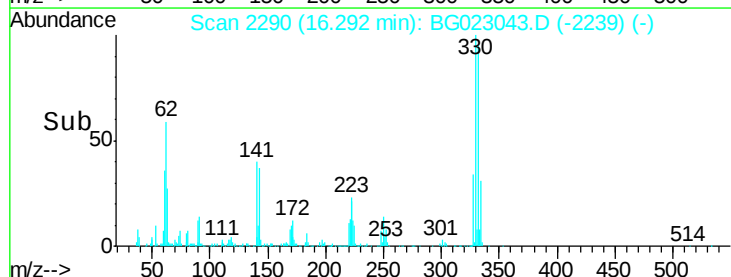
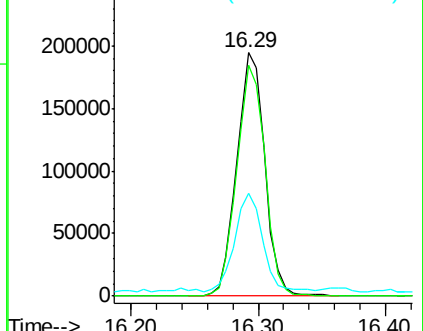
141 40.6 31.7 47.5

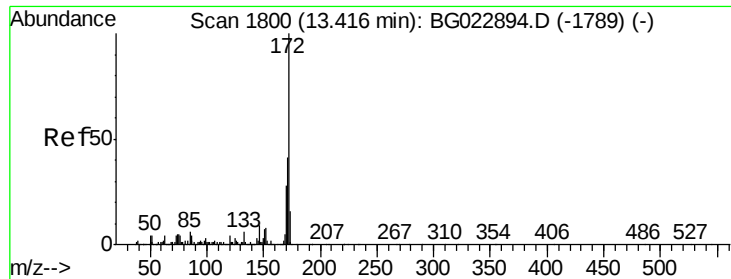


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

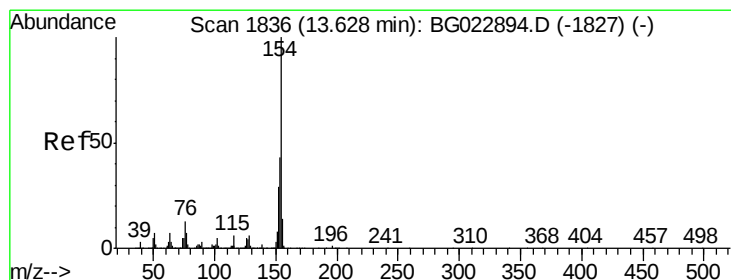
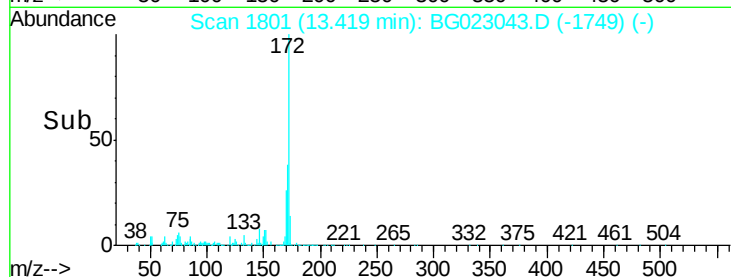
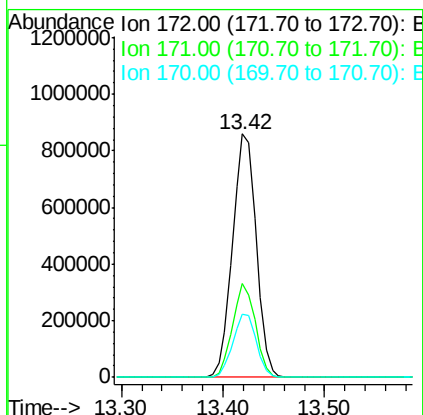
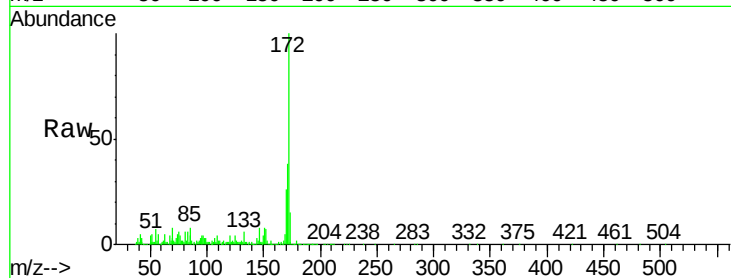




#44
2-Fluorobiphenyl
Concen: 56.83 ng
RT: 13.42 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BG023043.D
Acq: 12 Jul 2016 19:25

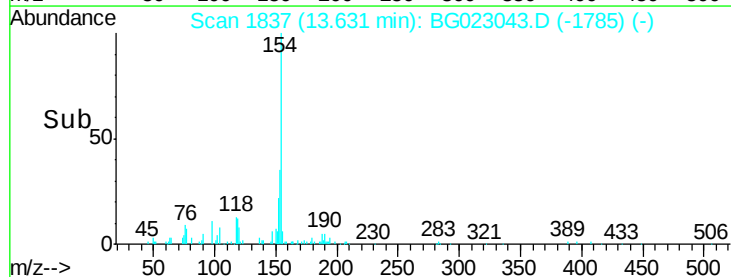
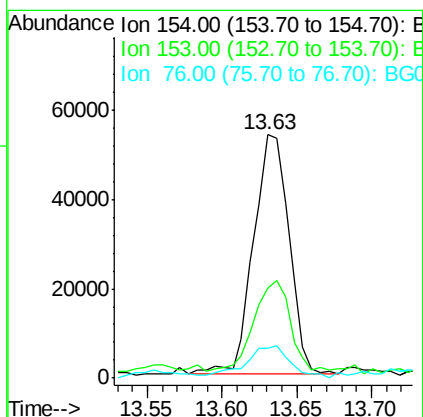
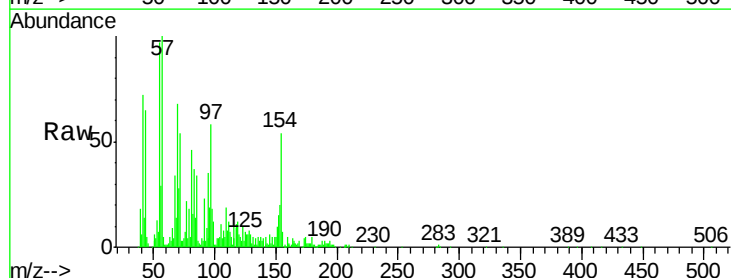
Instrument :
BNA_G
ClientSampleId :
S22-0009RE

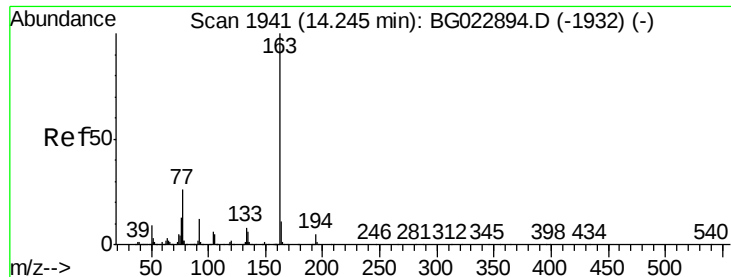
Tgt Ion:172 Resp: 1397623
Ion Ratio Lower Upper
172 100
171 38.3 31.6 47.4
170 26.1 21.3 31.9



#45
1,1'-Biphenyl
Concen: 3.04 ng
RT: 13.63 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BG023043.D
Acq: 12 Jul 2016 19:25

Tgt Ion:154 Resp: 88474
Ion Ratio Lower Upper
154 100
153 37.0 20.2 60.2
76 12.2 0.0 32.9





#49

Dimethylphthalate

Concen: 11.56 ng

RT: 14.24 min Scan# 1941

Delta R.T. -0.00 min

Lab File: BG023043.D

Acq: 12 Jul 2016 19:25

Instrument :

BNA_G

ClientSampleId :

S22-0009RE

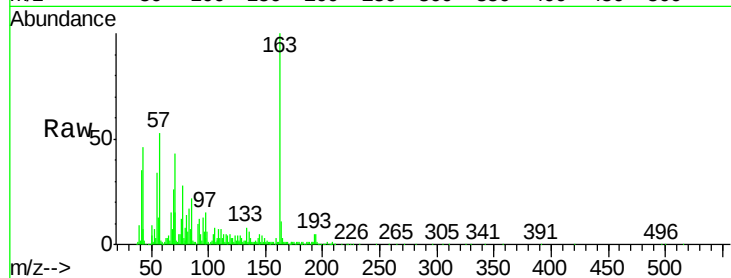
Tgt Ion:163 Resp: 365740

Ion Ratio Lower Upper

163 100

194 5.3 3.6 5.4

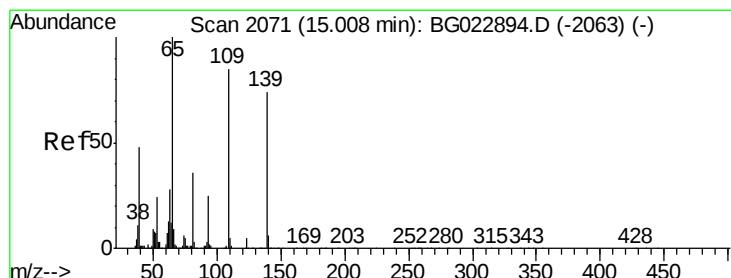
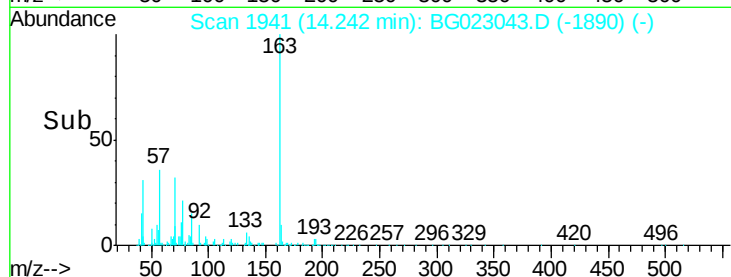
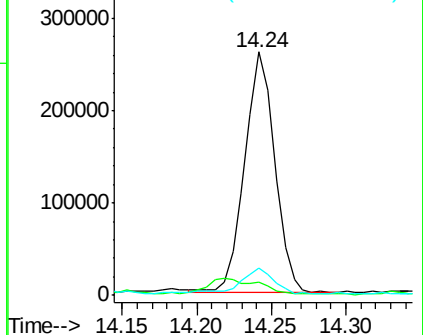
164 11.3 8.1 12.1



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



#55

4-Nitrophenol

Concen: 2.35 ng

RT: 15.01 min Scan# 2071

Delta R.T. -0.00 min

Lab File: BG023043.D

Acq: 12 Jul 2016 19:25

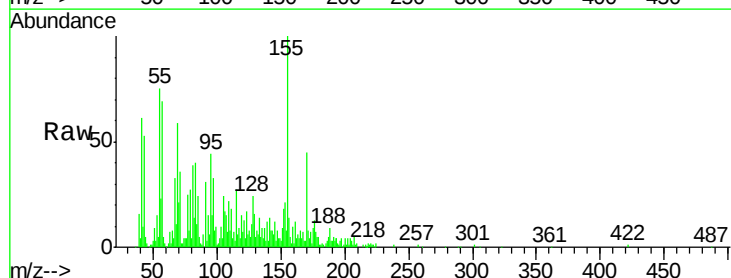
Tgt Ion:139 Resp: 13951

Ion Ratio Lower Upper

139 100

109 187.5 103.0 143.0#

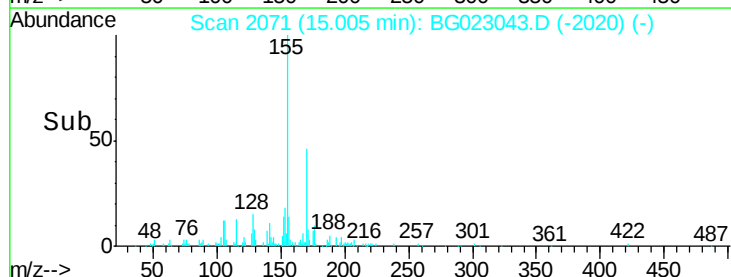
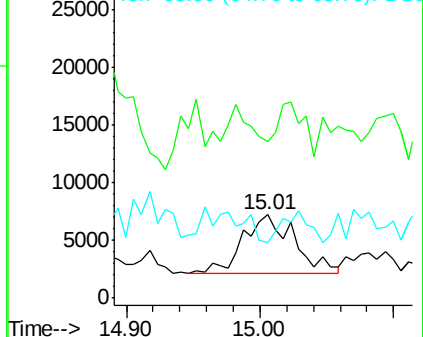
65 66.9 112.7 152.7#

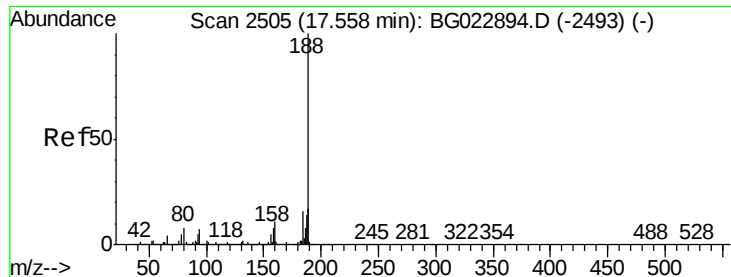


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

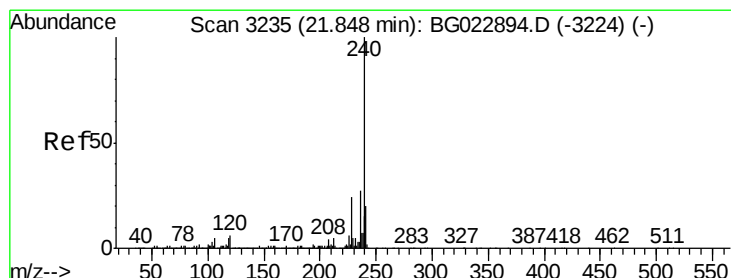
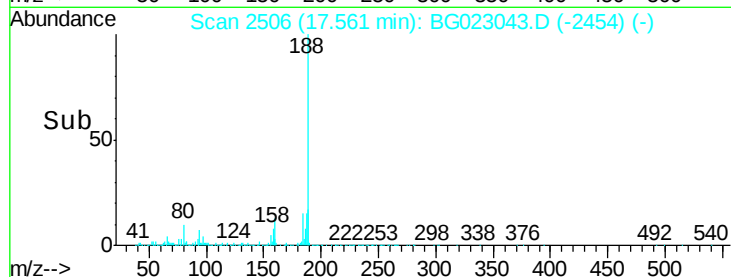
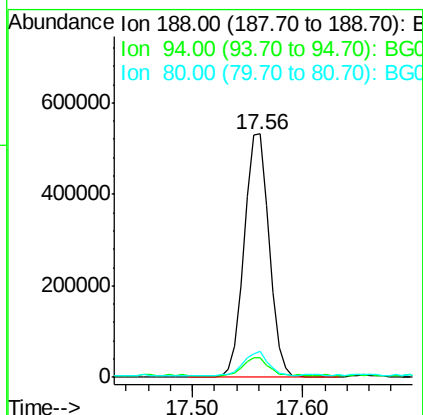
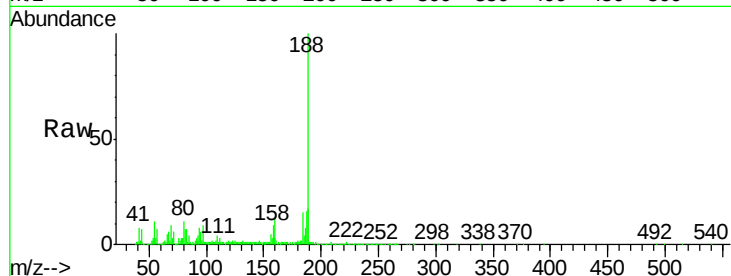




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2506
Delta R.T. 0.00 min
Lab File: BG023043.D
Acq: 12 Jul 2016 19:25

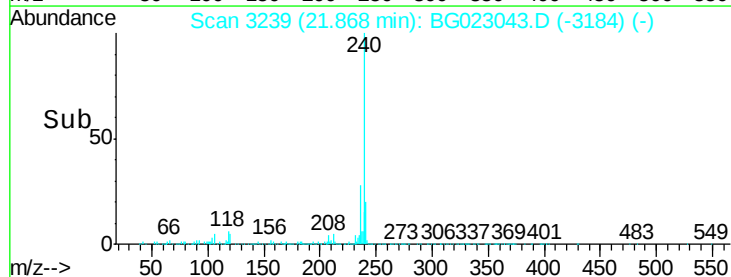
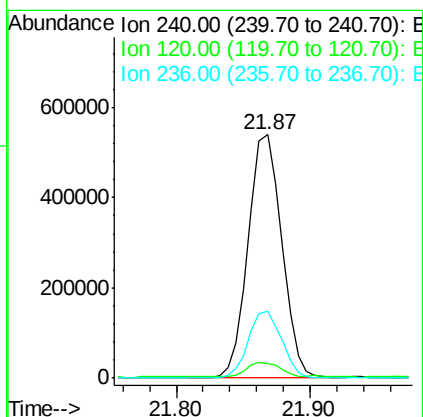
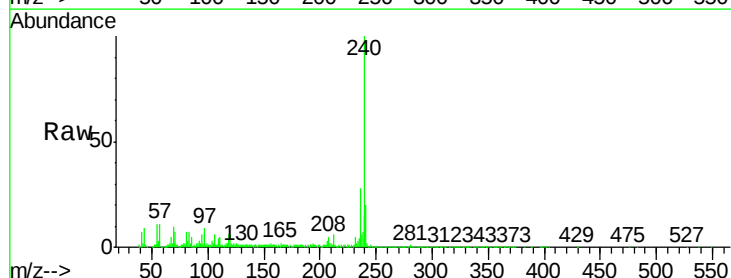
Instrument :
BNA_G
ClientSampleId :
S22-0009RE

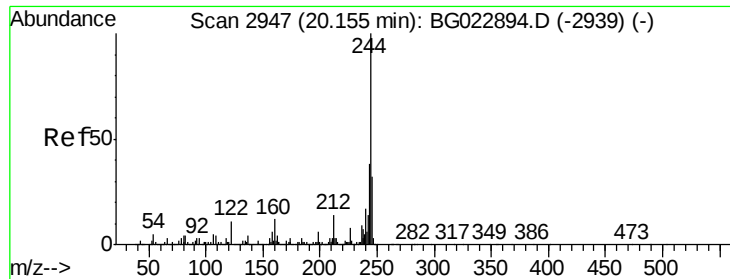
Tgt Ion:188 Resp: 846261
Ion Ratio Lower Upper
188 100
94 7.9 5.2 7.8#
80 10.5 7.2 10.8



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.87 min Scan# 3239
Delta R.T. 0.02 min
Lab File: BG023043.D
Acq: 12 Jul 2016 19:25

Tgt Ion:240 Resp: 936569
Ion Ratio Lower Upper
240 100
120 6.0 4.1 6.1
236 27.8 21.1 31.7





#78

Terphenyl-d14

Concen: 47.83 ng

RT: 20.16 min Scan# 2949

Delta R.T. 0.01 min

Lab File: BG023043.D

Acq: 12 Jul 2016 19:25

Instrument :

BNA_G

ClientSampleId :

S22-0009RE

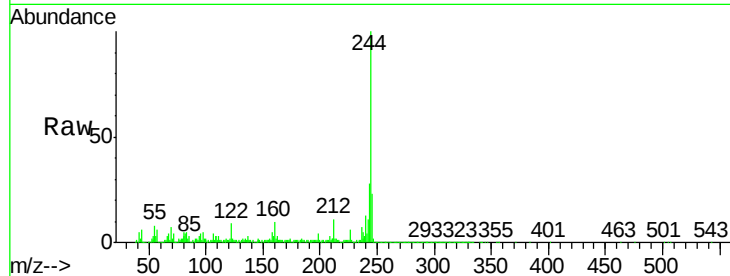
Tgt Ion:244 Resp: 1685557

Ion Ratio Lower Upper

244 100

212 11.2 10.8 16.2

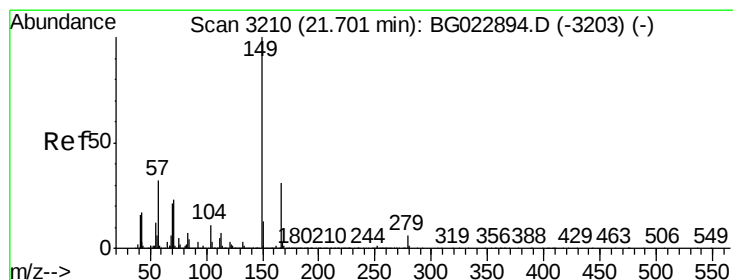
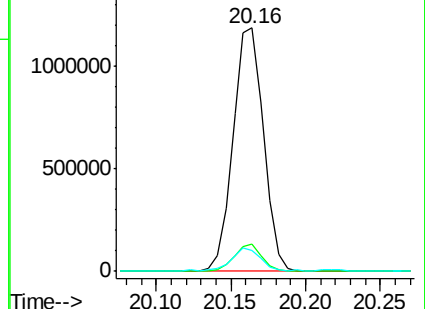
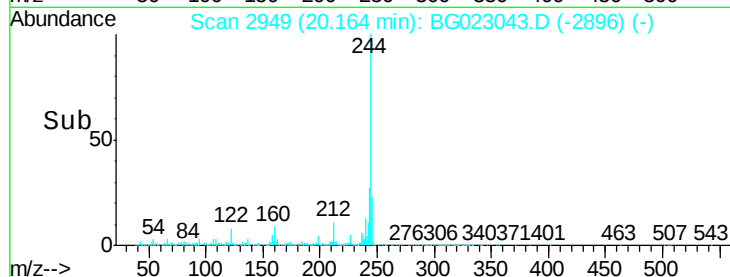
122 8.7 8.0 12.0



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.47 ng

RT: 21.73 min Scan# 3215

Delta R.T. 0.03 min

Lab File: BG023043.D

Acq: 12 Jul 2016 19:25

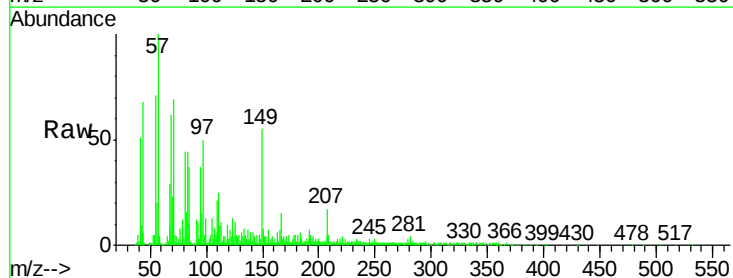
Tgt Ion:149 Resp: 71380

Ion Ratio Lower Upper

149 100

167 28.2 24.0 36.0

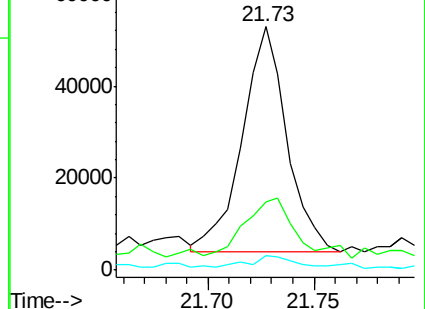
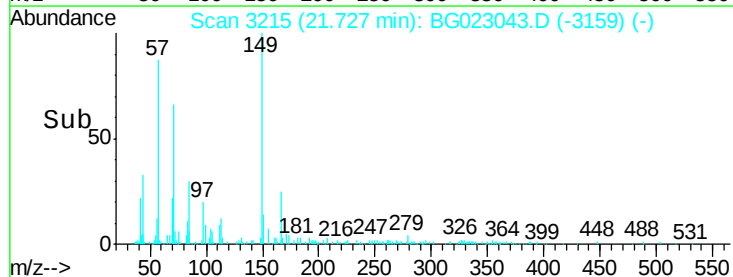
279 6.2 4.8 7.2

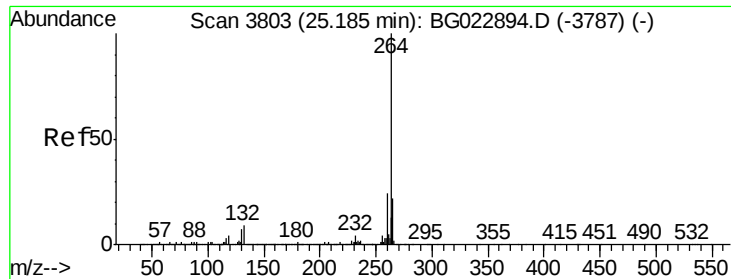


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.25 min Scan# 3815
Delta R.T. 0.07 min
Lab File: BG023043.D
Acq: 12 Jul 2016 19:25

Instrument :
BNA_G
ClientSampleId :
S22-0009RE

Tgt Ion: 264 Resp: 974868

Ion	Ratio	Lower	Upper
264	100		
260	26.0	18.4	27.6
265	21.0	18.9	28.3

