

Data Path : U:\HPCHEM1\BNA G\DATA\BG011518\
 Data File : BG032067.D
 Acq On : 16 Jan 2018 13:36
 Operator : SJ/JU
 Sample : J1123-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 16 16:29:59 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

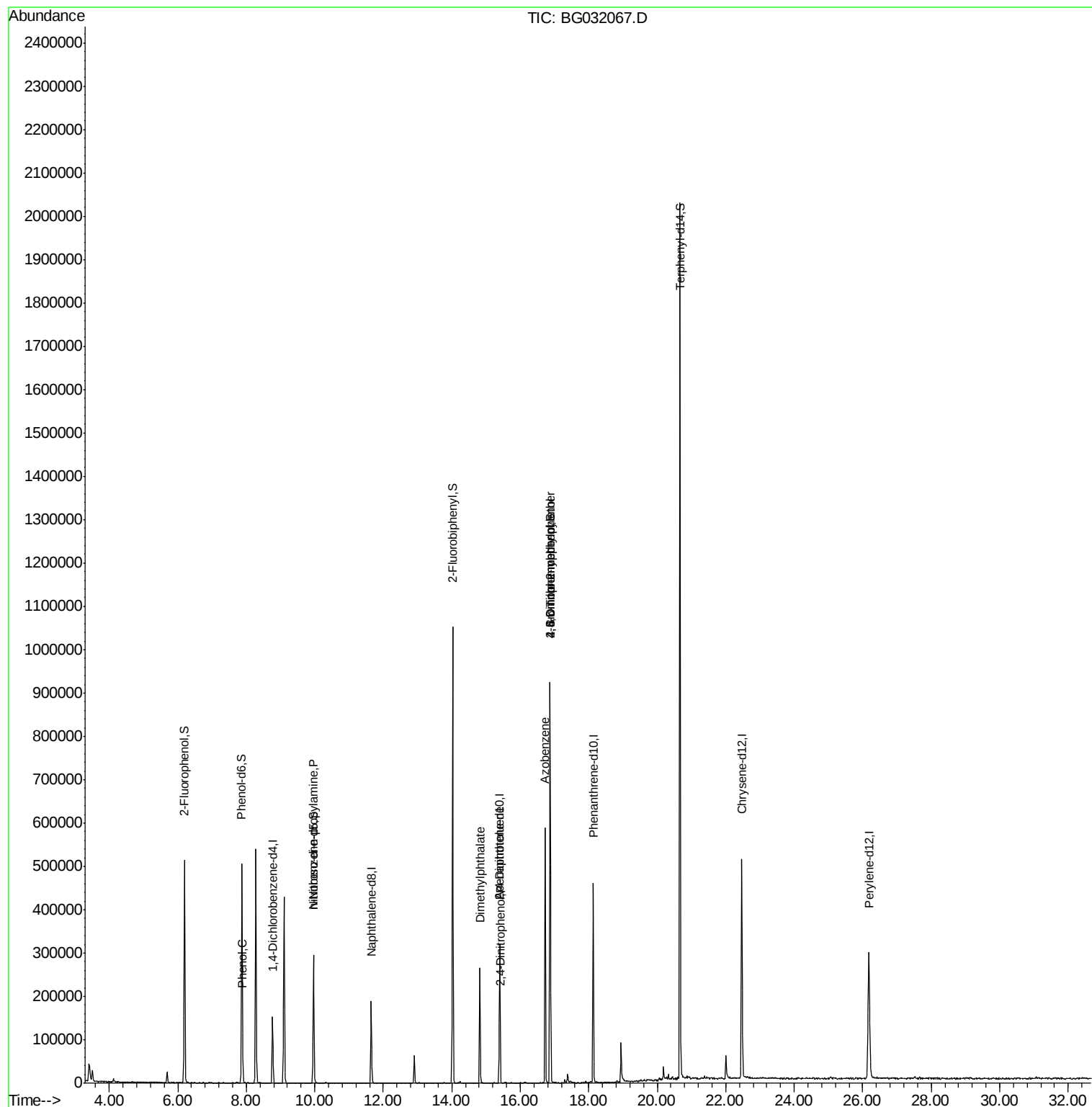
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	49953	20.00	ng	0.00
21) Naphthalene-d8	11.65	136	188540	20.00	ng	-0.01
38) Acenaphthene-d10	15.40	164	123639	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	320431	20.00	ng	-0.01
75) Chrysene-d12	22.46	240	405677	20.00	ng	-0.02
86) Perylene-d12	26.18	264	414469	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	264511	96.85	ng	0.00
7) Phenol-d6	7.87	99	329879	95.90	ng	0.00
23) Nitrobenzene-d5	9.96	82	192563	69.10	ng	-0.01
41) 2,4,6-Tribromophenol	16.87	330	213247	104.23	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	622877	62.47	ng	0.00
78) Terphenyl-d14	20.66	244	1114414	60.66	ng	-0.01
Target Compounds						
10) Phenol	7.90	94	12304	3.631	ng	87
19) n-Nitroso-di-n-propylamine	9.96	70	26402	12.370	ng	# 72
49) Dimethylphthalate	14.82	163	203745	18.831	ng	98
53) 2,4-Dinitrophenol	15.42	184	55	7.008	ng	# 1
56) 2,4-Dinitrotoluene	15.40	165	15834	5.237	ng	# 16
62) Azobenzene	16.72	77	162901	24.813	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.87	198	536	5.119	ng	# 1
66) 4-Bromophenyl-phenylether	16.87	248	17628	3.867	ng	# 1

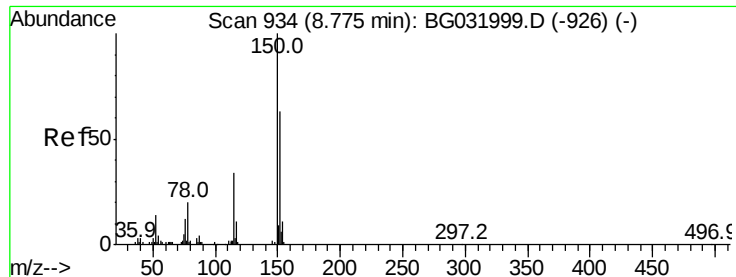
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 16 16:29:59 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
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QLast Update : Mon Jan 15 10:05:15 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.77 min Scan# 933

Delta R.T. -0.01 min

Lab File: BG032067.D

Acq: 16 Jan 2018 13:36

Instrument :

BNA_G

ClientSampleId :

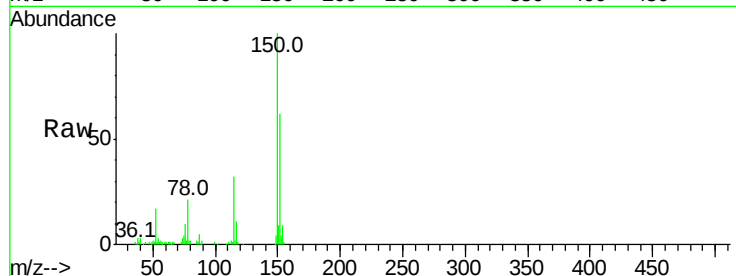
Tot Ion:152 Resp: 49953

Ion Ratio Lower Upper

152 100

150 160.3 126.6 189.8

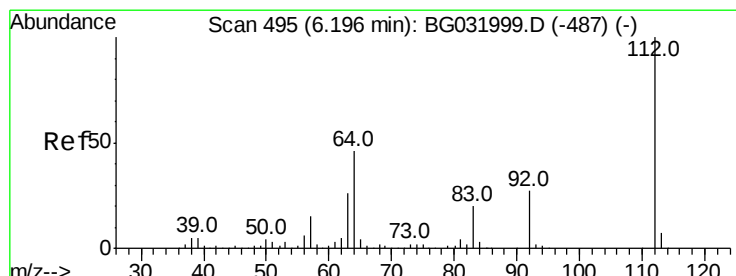
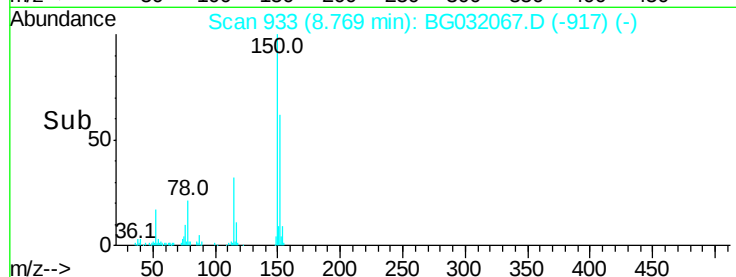
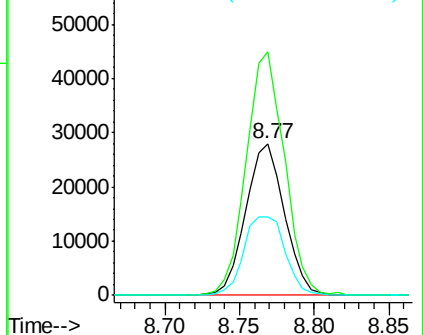
115 51.5 53.0 79.4#



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: 96.846 ng

RT: 6.20 min Scan# 495

Delta R.T. -0.00 min

Lab File: BG032067.D

Acq: 16 Jan 2018 13:36

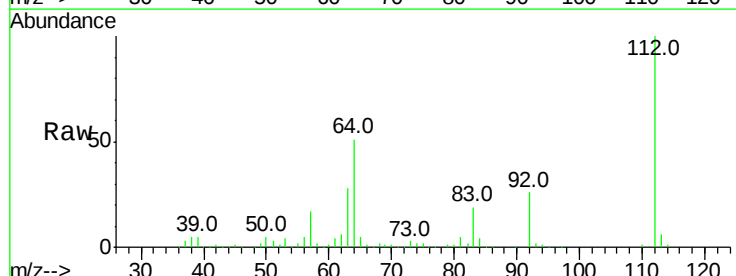
Tgt Ion:112 Resp: 264511

Ion Ratio Lower Upper

112 100

64 50.9 56.3 84.5#

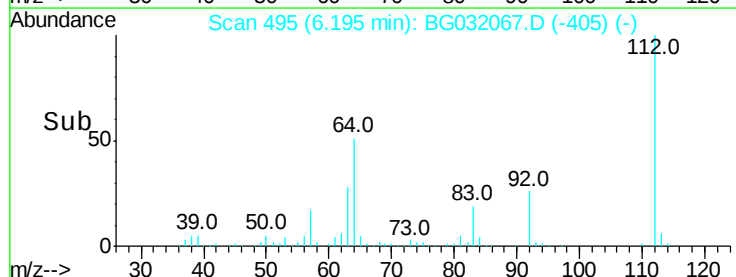
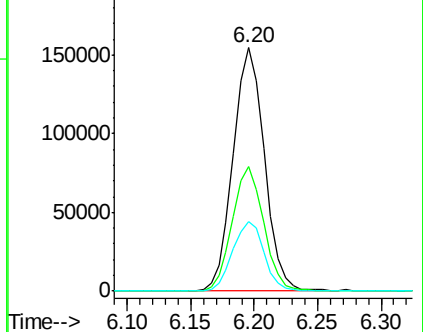
63 28.3 30.1 45.1#

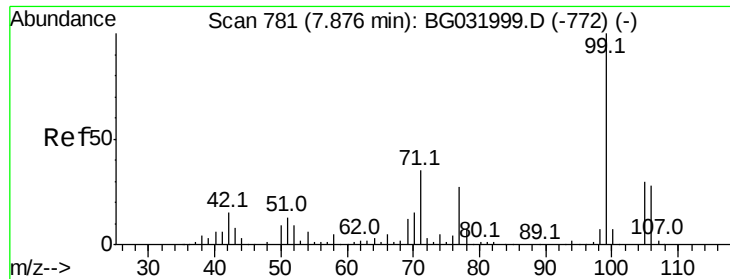


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 95.899 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.01 min

Lab File: BG032067.D

Acq: 16 Jan 2018 13:36

Instrument :

BNA_G

ClientSampled :

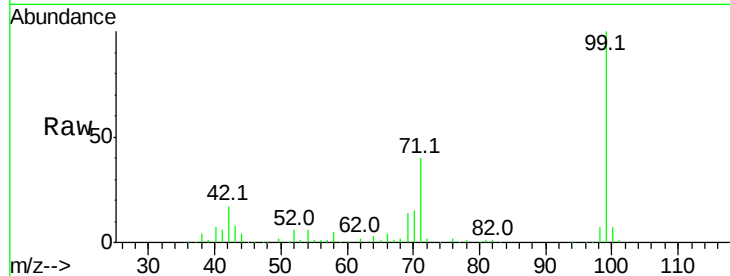
Tot Ion: 99 Resp: 329879

Ion Ratio Lower Upper

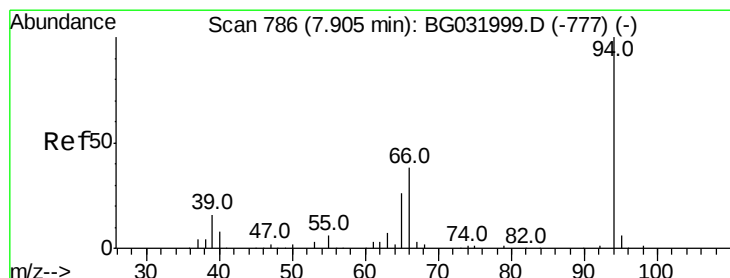
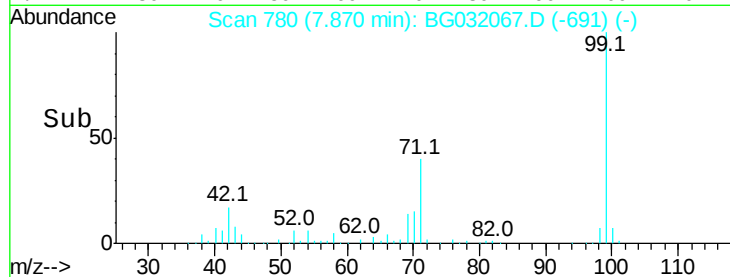
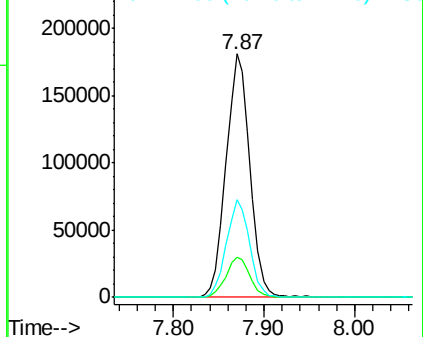
99 100

42 16.6 14.1 21.1

71 39.9 26.1 39.1#



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



#10

Phenol

Concen: 3.631 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.01 min

Lab File: BG032067.D

Acq: 16 Jan 2018 13:36

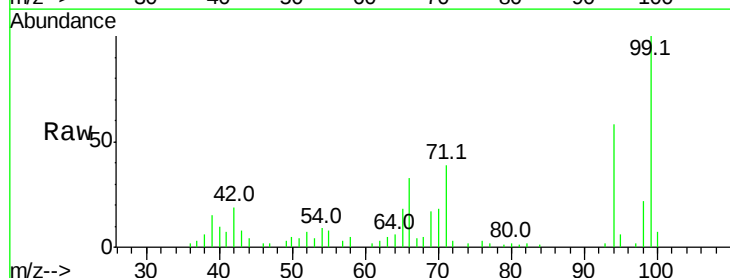
Tgt Ion: 94 Resp: 12304

Ion Ratio Lower Upper

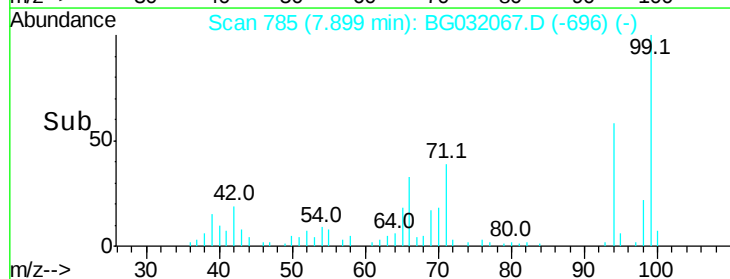
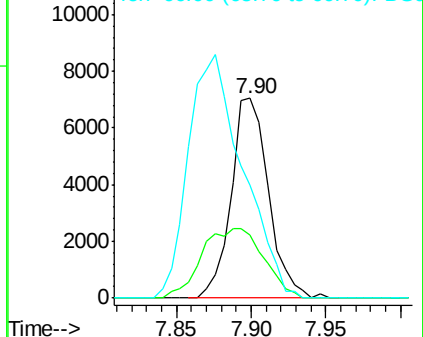
94 100

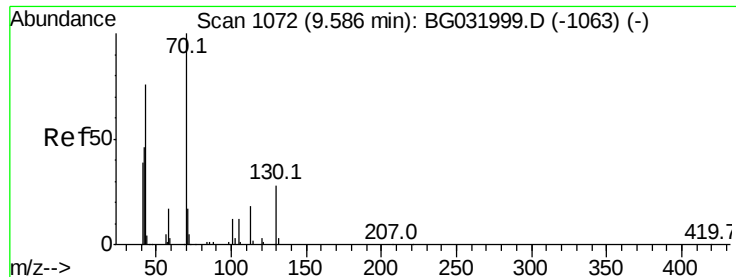
65 31.7 11.9 51.9

66 56.8 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

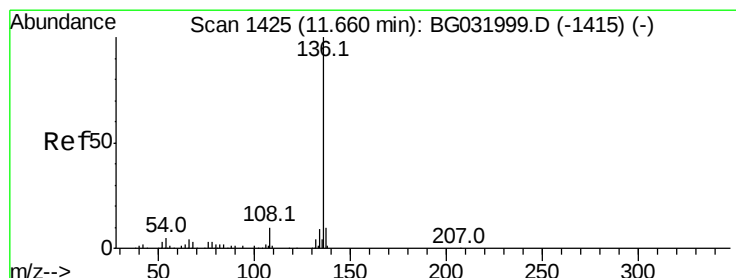
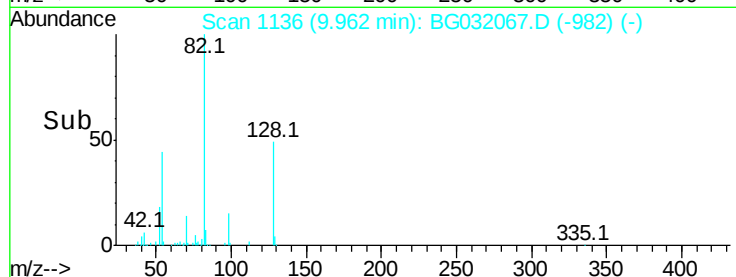
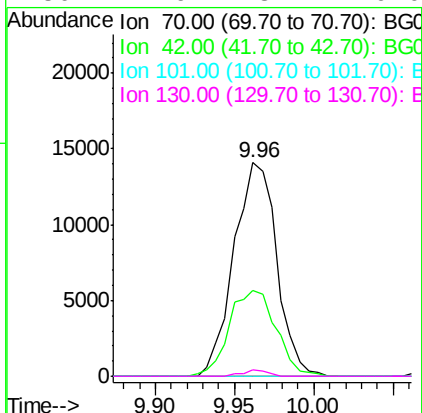
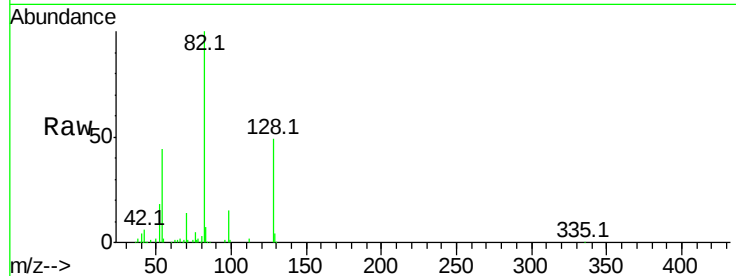




#19
n-Nitroso-di-n-propylamine
Concen: 12.370 ng
RT: 9.96 min Scan# 1136
Delta R.T. 0.38 min
Lab File: BG032067.D
Acq: 16 Jan 2018 13:36

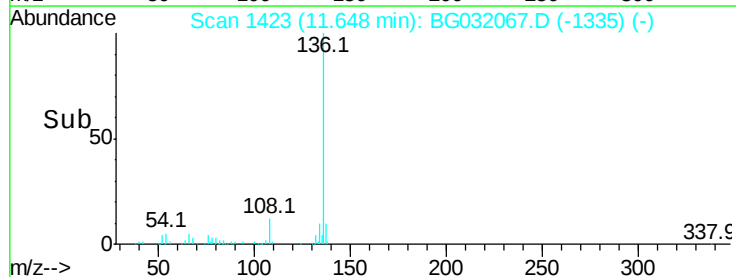
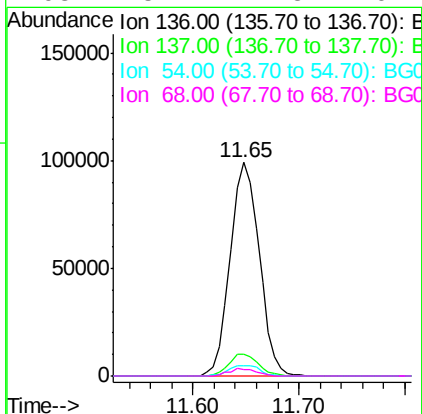
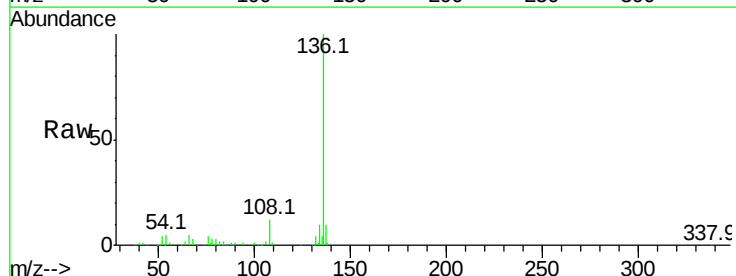
Instrument :
BNA_G
ClientSampleId :

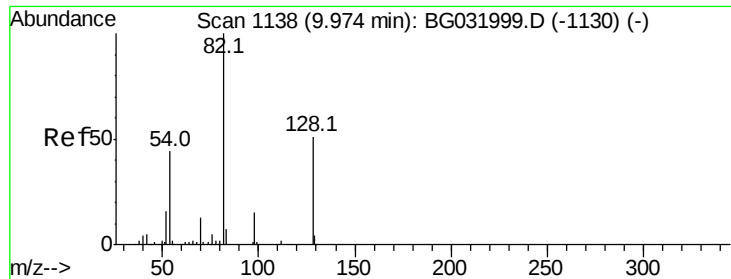
Tot Ion	Ratio	Lower	Upper
70	100		
42	40.4	49.1	73.7#
101	0.0	8.5	12.7#
130	2.9	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032067.D
Acq: 16 Jan 2018 13:36

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.2	13.8
54	4.9	10.3	15.5#
68	3.1	4.5	6.7#

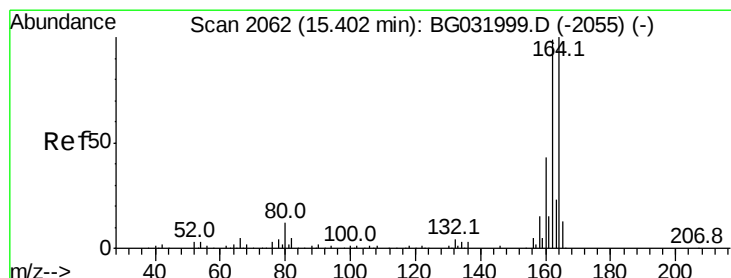
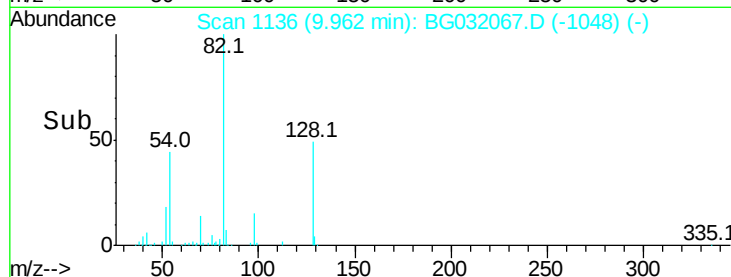
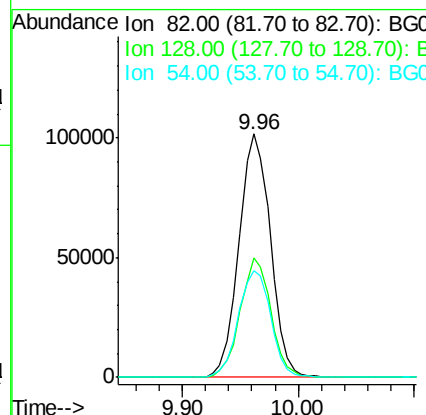
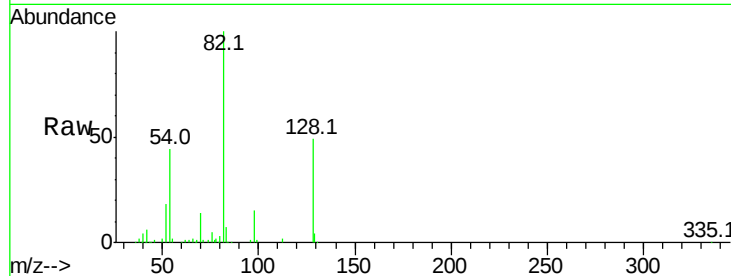




#23
 Nitrobenzene-d5
 Concen: 69.098 ng
 RT: 9.96 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: BG032067.D
 Acq: 16 Jan 2018 13:36

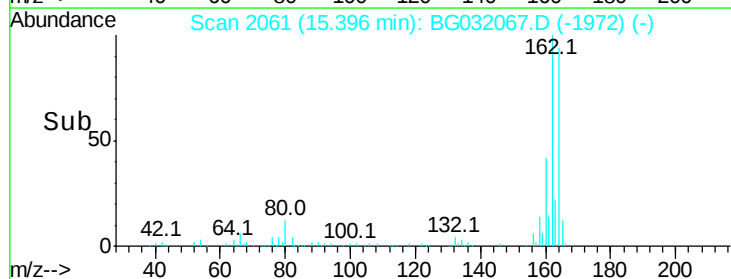
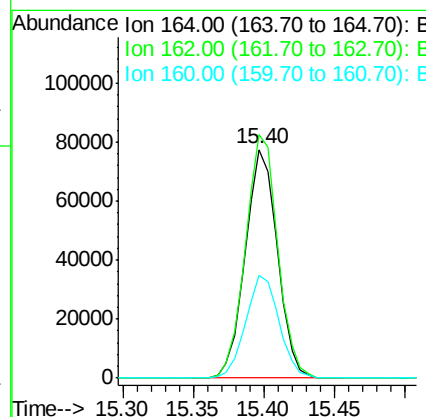
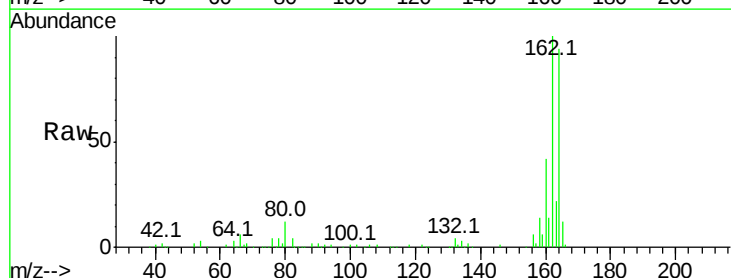
Instrument :
 BNA_G
 ClientSampled :

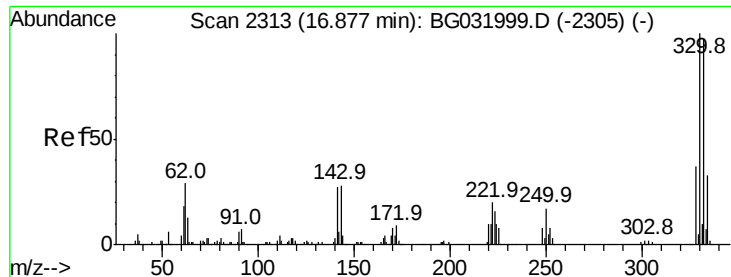
Tot Ion: 82 Resp: 192563
 Ion Ratio Lower Upper
 82 100
 128 49.0 29.7 44.5#
 54 44.0 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. -0.01 min
 Lab File: BG032067.D
 Acq: 16 Jan 2018 13:36

Tgt Ion: 164 Resp: 123639
 Ion Ratio Lower Upper
 164 100
 162 106.4 78.8 118.2
 160 44.9 35.4 53.0

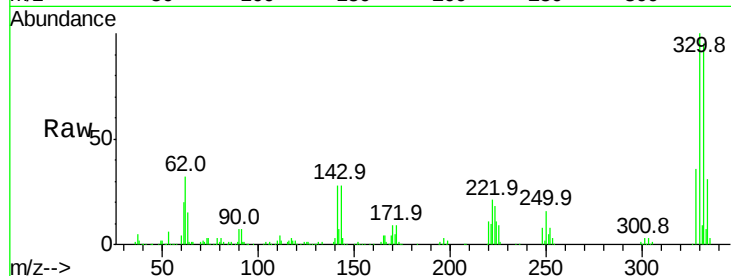




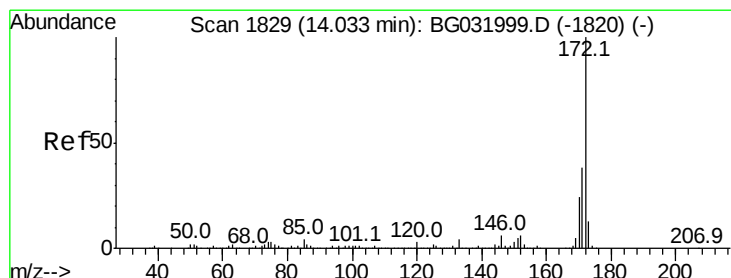
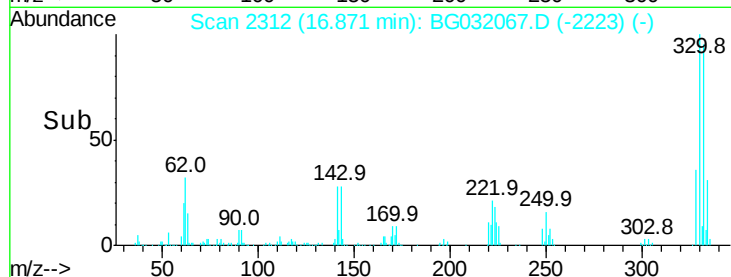
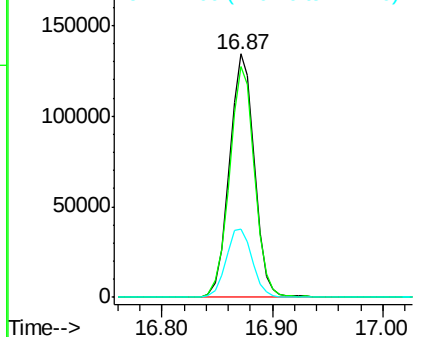
#41
 2,4,6-Tribromophenol
 Concen: 104.230 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. -0.01 min
 Lab File: BG032067.D
 Acq: 16 Jan 2018 13:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	29.4	25.2	37.8

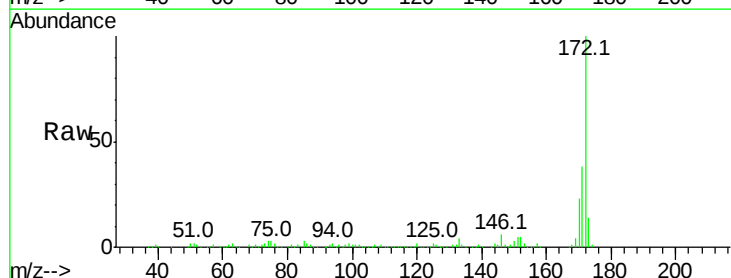


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

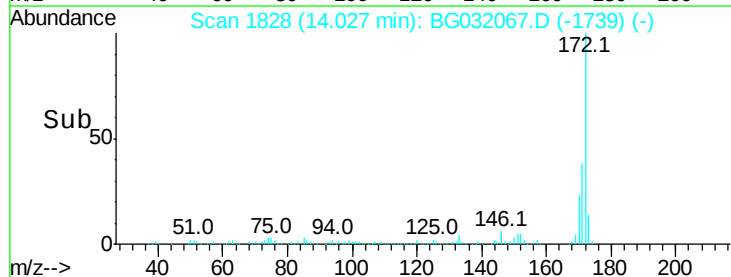
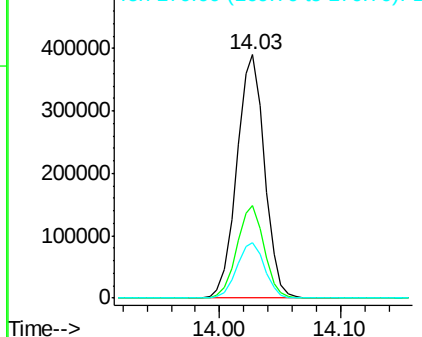


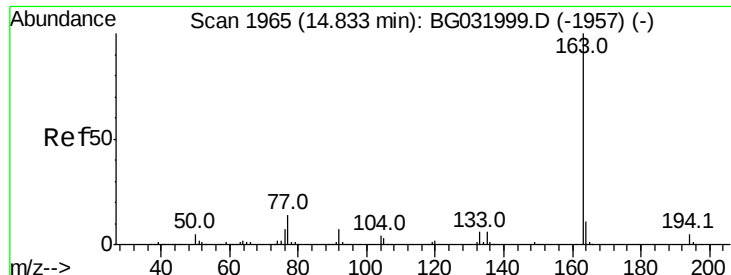
#44
 2-Fluorobiphenyl
 Concen: 62.467 ng
 RT: 14.03 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BG032067.D
 Acq: 16 Jan 2018 13:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.0	45.0
170	23.0	19.5	29.3



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: 18.831 ng

RT: 14.82 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BG032067.D

Acq: 16 Jan 2018 13:36

Instrument :

BNA_G

ClientSampleId :

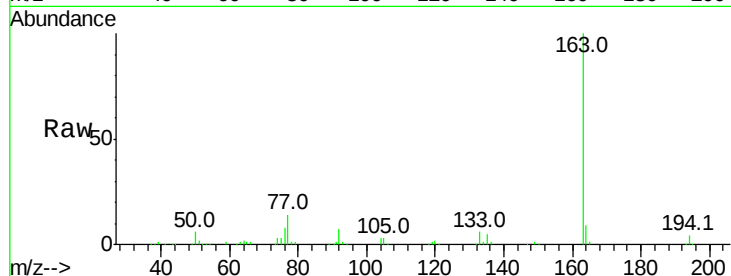
Tot Ion:163 Resp: 203745

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

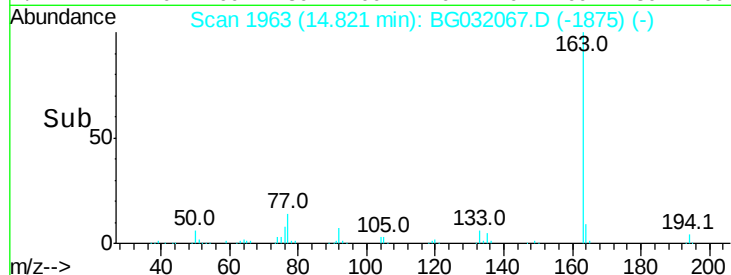
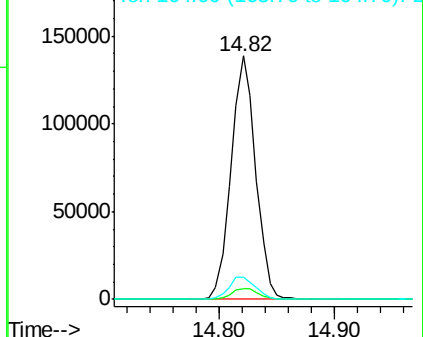
164 9.4 8.2 12.4



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



#53

2,4-Dinitrophenol

Concen: 7.008 ng

RT: 15.42 min Scan# 2065

Delta R.T. -0.07 min

Lab File: BG032067.D

Acq: 16 Jan 2018 13:36

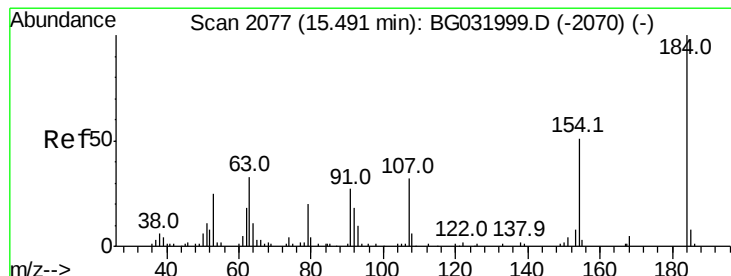
Tgt Ion:184 Resp: 55

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

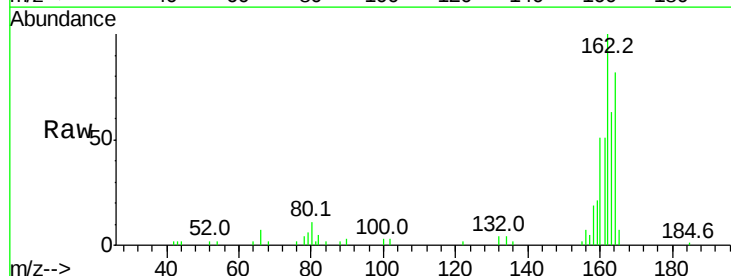
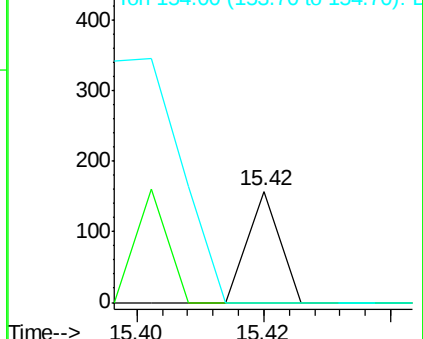
154 0.0 101.8 152.8#

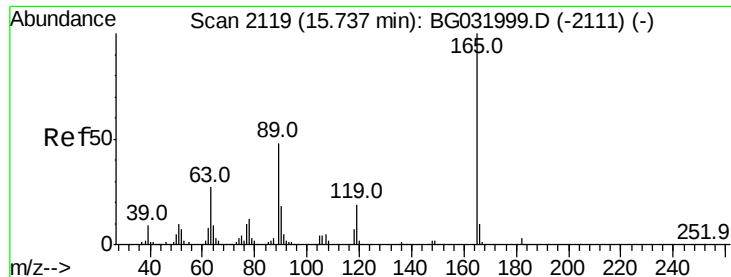


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

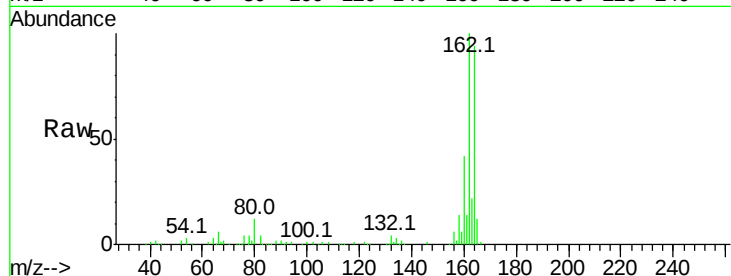




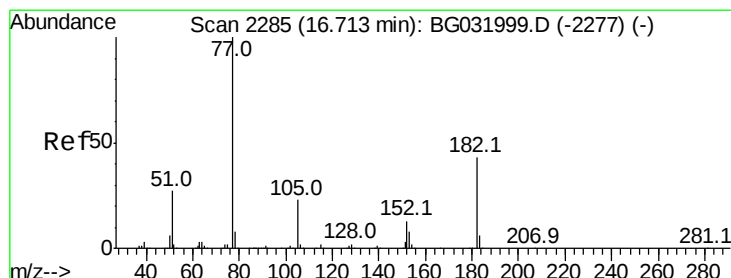
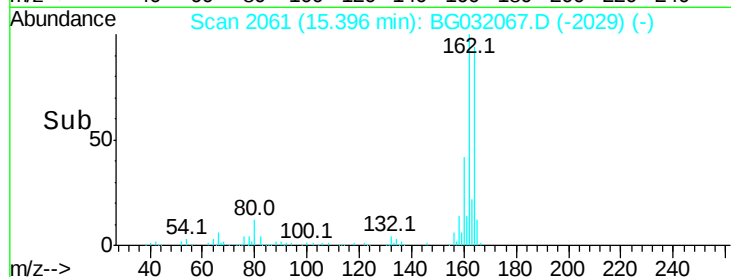
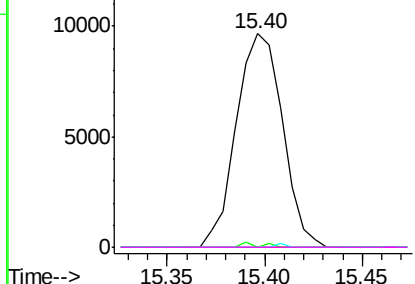
#56
2,4-Dinitrotoluene
Concen: 5.237 ng
RT: 15.40 min Scan# 2061
Delta R.T. -0.34 min
Lab File: BG032067.D
Acq: 16 Jan 2018 13:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 15834
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#

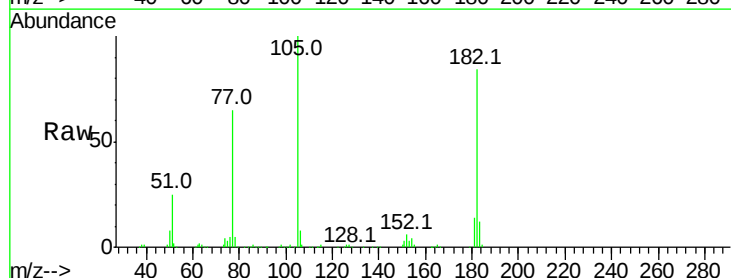


Abundance Ion 165.00 (164.70 to 165.70): E
15000
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

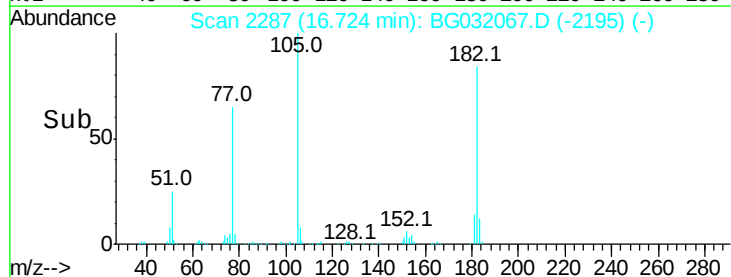
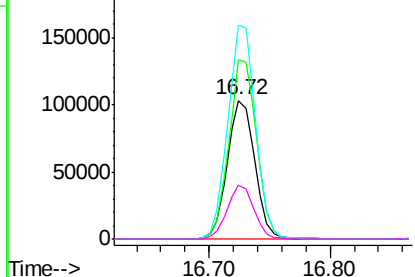


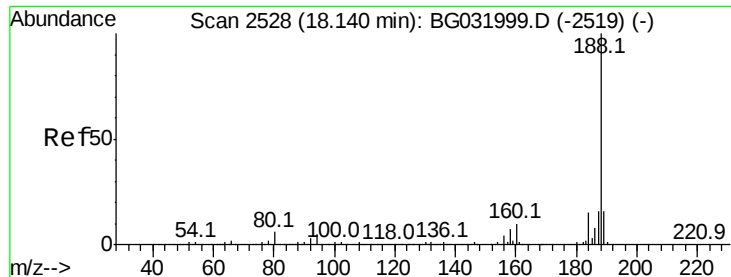
#62
Azobenzene
Concen: 24.813 ng
RT: 16.72 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BG032067.D
Acq: 16 Jan 2018 13:36

Tgt Ion: 77 Resp: 162901
Ion Ratio Lower Upper
77 100
182 129.8 7.4 47.4#
105 154.5 0.3 40.3#
51 38.5 11.6 51.6



Abundance Ion 77.00 (76.70 to 77.70): BGC
250000
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BGC

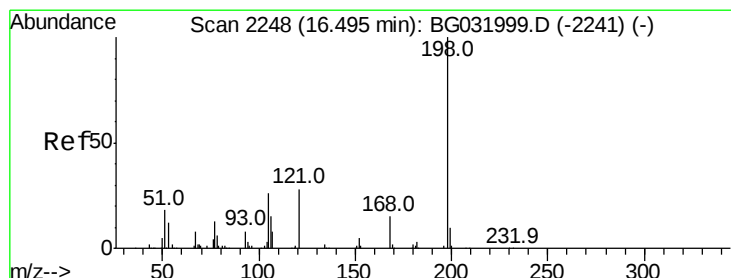
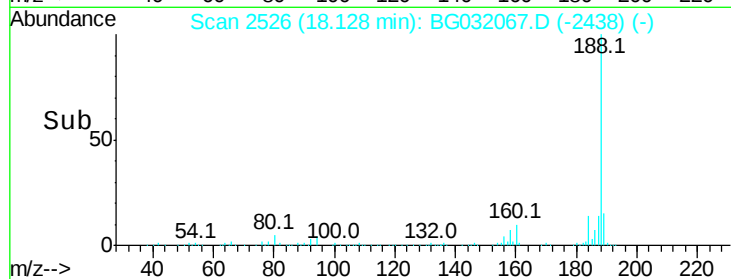
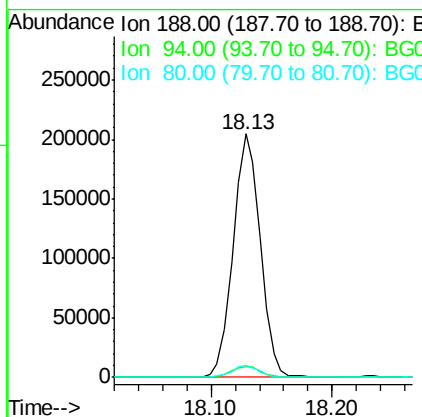
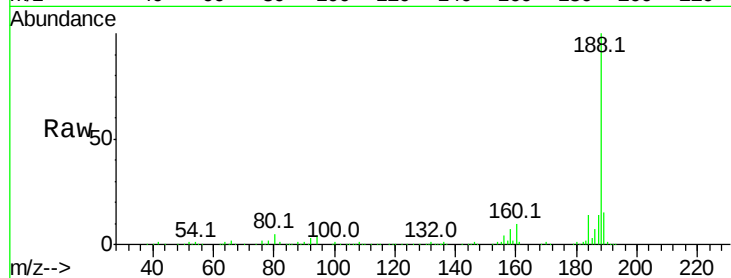




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.13 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BG032067.D
Acq: 16 Jan 2018 13:36

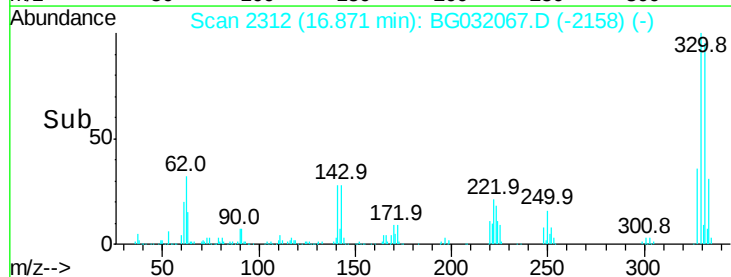
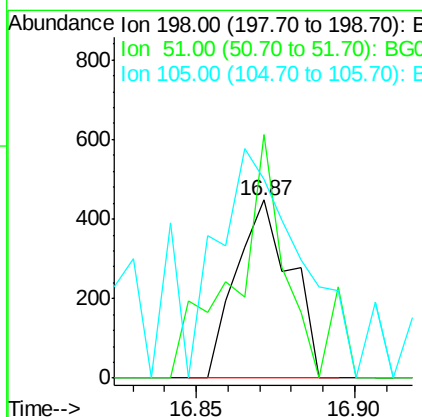
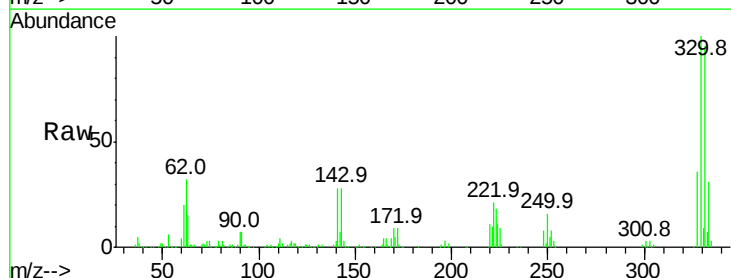
Instrument :
BNA_G
ClientSampled :

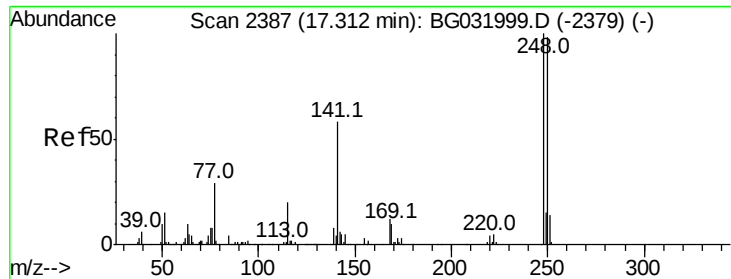
Tot Ion:188 Resp: 320431
Ion Ratio Lower Upper
188 100
94 4.5 6.9 10.3#
80 5.0 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.119 ng
RT: 16.87 min Scan# 2312
Delta R.T. 0.38 min
Lab File: BG032067.D
Acq: 16 Jan 2018 13:36

Tgt Ion:198 Resp: 536
Ion Ratio Lower Upper
198 100
51 136.6 30.6 70.6#
105 111.4 23.8 63.8#

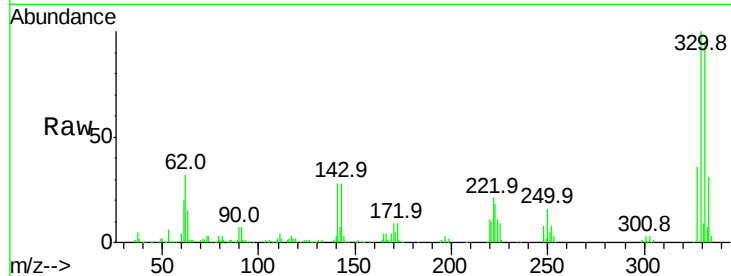




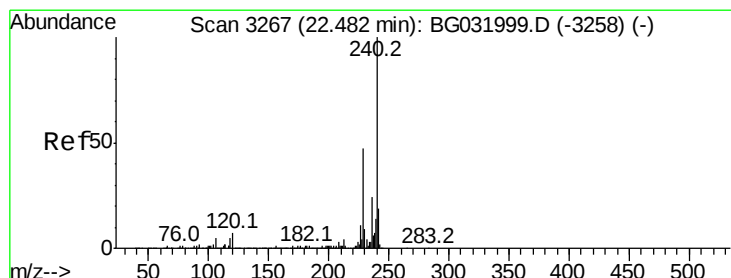
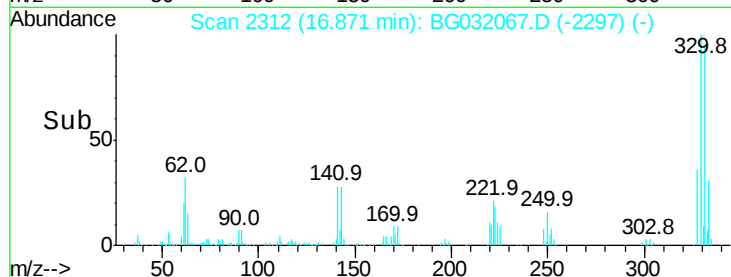
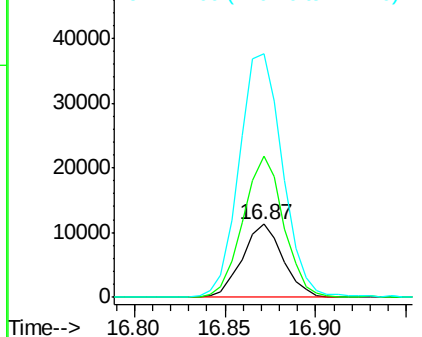
#66
 4-Bromophenyl-phenylether
 Concen: 3.867 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. -0.44 min
 Lab File: BG032067.D
 Acq: 16 Jan 2018 13:36

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 17628
 Ion Ratio Lower Upper
 248 100
 250 193.9 77.1 115.7#
 141 333.0 50.8 76.2#

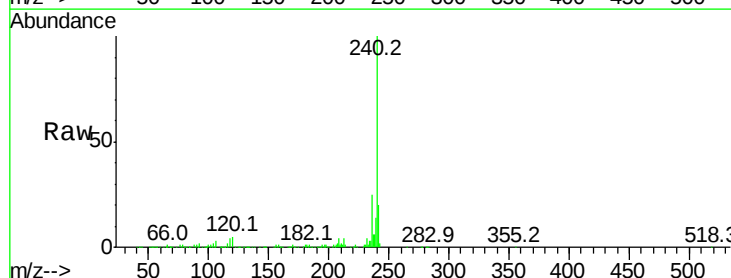


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

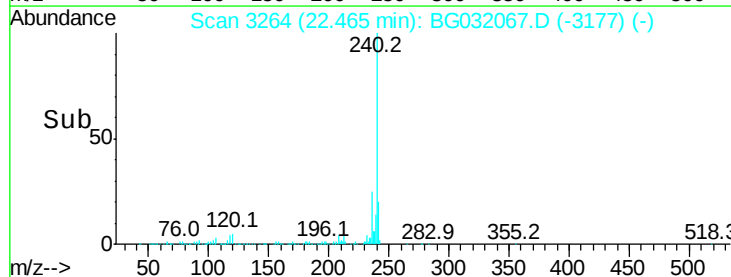
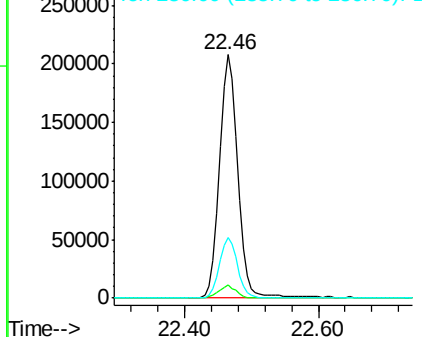


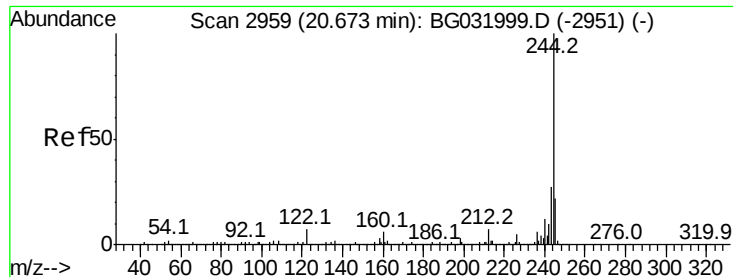
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.46 min Scan# 3264
 Delta R.T. -0.02 min
 Lab File: BG032067.D
 Acq: 16 Jan 2018 13:36

Tgt Ion:240 Resp: 405677
 Ion Ratio Lower Upper
 240 100
 120 5.3 6.8 10.2#
 236 24.8 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 60.656 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032067.D

Acq: 16 Jan 2018 13:36

Instrument :

BNA_G

ClientSampleId :

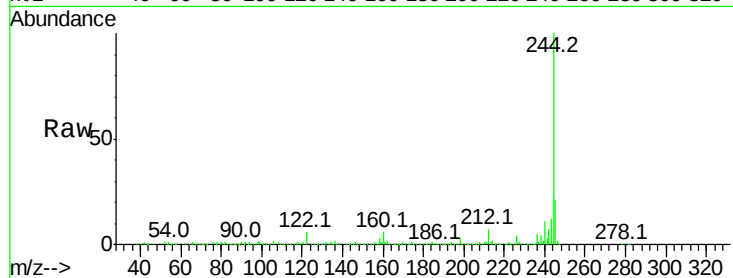
Tot Ion:244 Resp: 1114414

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

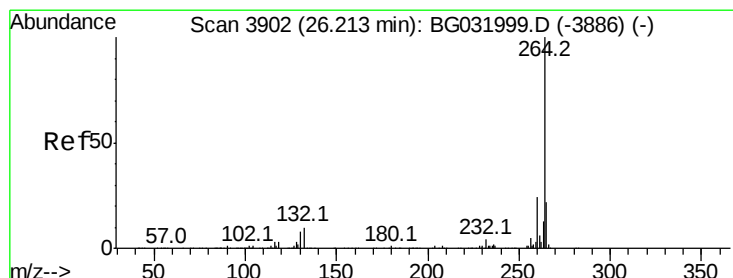
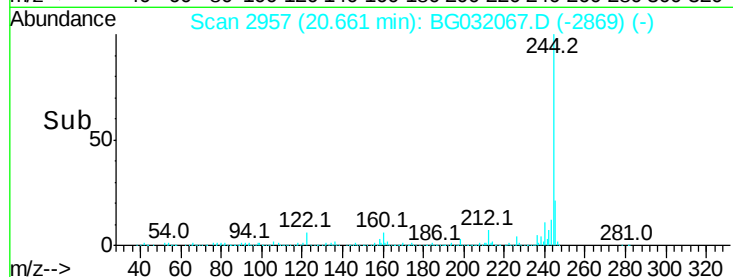
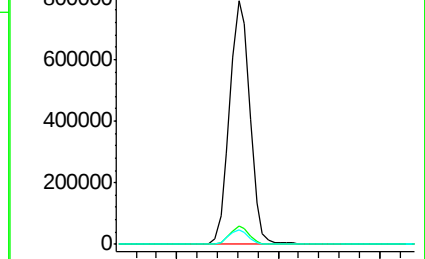
122 6.1 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 26.18 min Scan# 3896

Delta R.T. -0.04 min

Lab File: BG032067.D

Acq: 16 Jan 2018 13:36

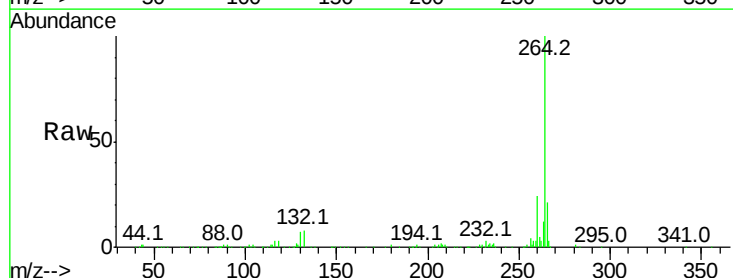
Tgt Ion:264 Resp: 414469

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.0

265 21.2 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

