

Data Path : U:\HPCHEM1\BNA G\DATA\BG012018\
 Data File : BG032182.D
 Acq On : 20 Jan 2018 16:49
 Operator : SJ/JU
 Sample : PB105795BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 22 02:02:48 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

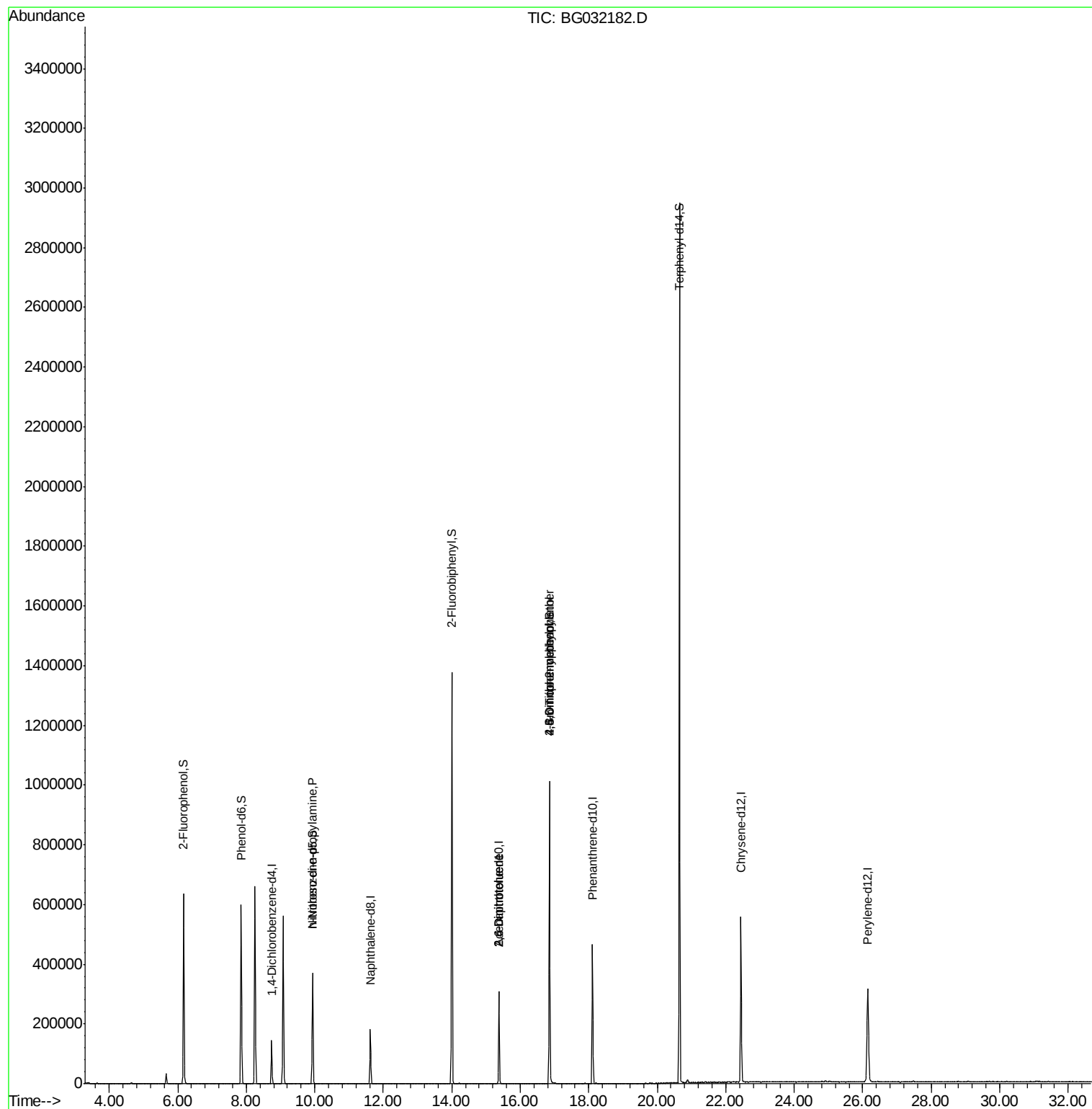
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	47249	20.00	ng	0.00
21) Naphthalene-d8	11.63	136	179062	20.00	ng	0.00
38) Acenaphthene-d10	15.37	164	118347	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	314926	20.00	ng	0.00
75) Chrysene-d12	22.44	240	433705	20.00	ng	0.00
86) Perylene-d12	26.15	264	446930	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	315486	122.12	ng	0.00
7) Phenol-d6	7.85	99	372791	114.58	ng	0.00
23) Nitrobenzene-d5	9.94	82	230948	87.26	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	234888	119.94	ng	0.00
44) 2-Fluorobiphenyl	14.00	172	790246	82.80	ng	0.00
78) Terphenyl-d14	20.65	244	1617334	82.34	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.94	70	32787	16.241	ng	# 74
50) 2,6-Dinitrotoluene	15.37	165	15556	7.237	ng	# 18
56) 2,4-Dinitrotoluene	15.37	165	15556	5.375	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.85	198	622	5.162	ng	# 1
66) 4-Bromophenyl-phenylether	16.85	248	20412	4.555	ng	# 1

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

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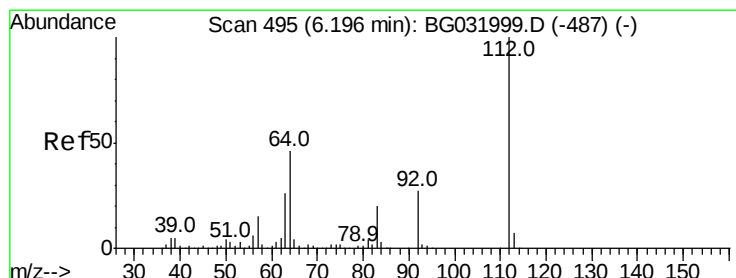
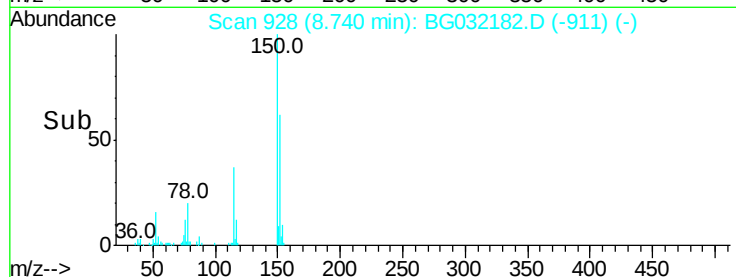
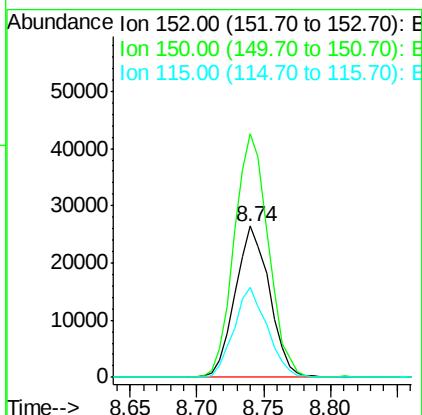
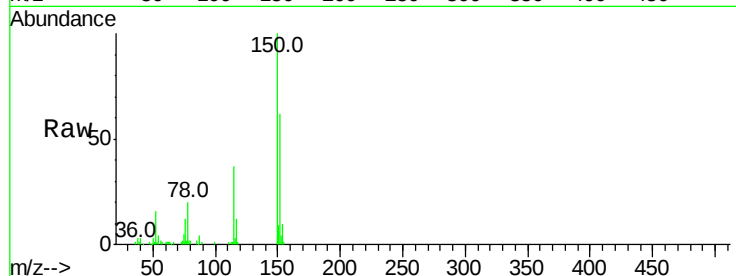


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. -0.00 min
Lab File: BG032182.D
Acq: 20 Jan 2018 16:49

Instrument :
BNA_G
ClientSampleId :

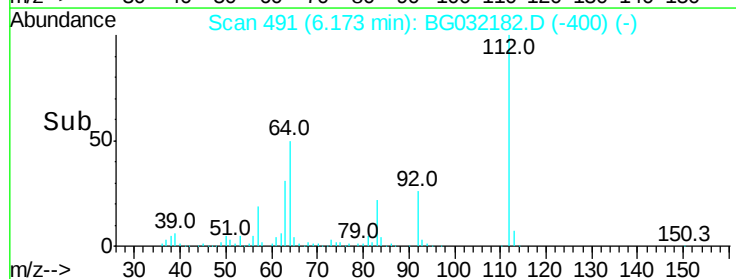
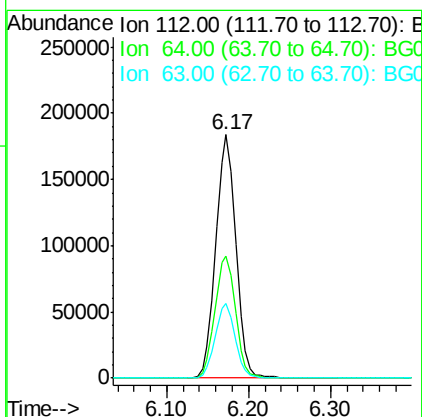
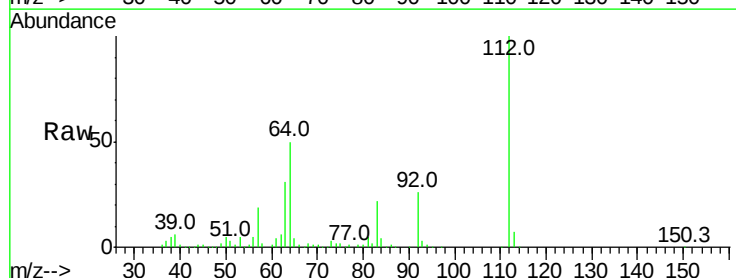
Tot Ion:152 Resp: 47249
Ion Ratio Lower Upper
152 100
150 161.0 126.6 189.8
115 59.6 53.0 79.4

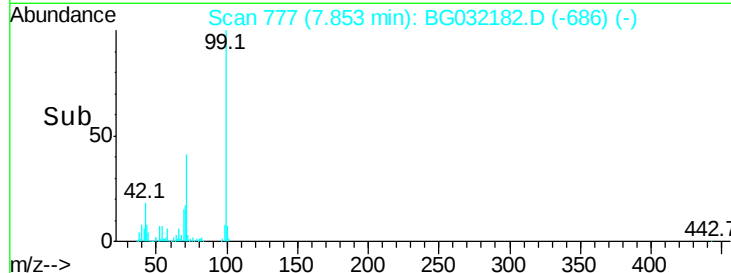
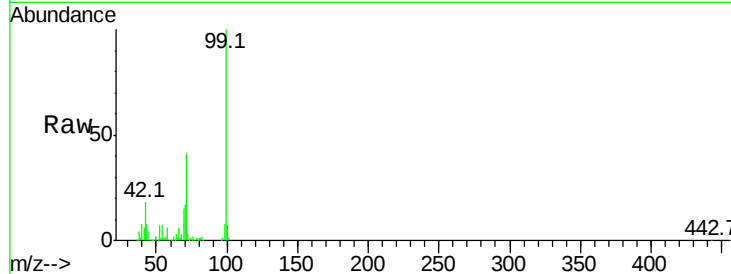
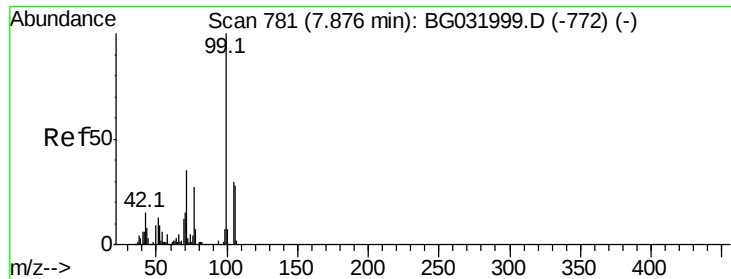


#5

2-Fluorophenol
Concen: 122.120 ng
RT: 6.17 min Scan# 491
Delta R.T. 0.00 min
Lab File: BG032182.D
Acq: 20 Jan 2018 16:49

Tgt Ion:112 Resp: 315486
Ion Ratio Lower Upper
112 100
64 49.9 56.3 84.5#
63 30.7 30.1 45.1





#7

Phenol-d6

Concen: 114.576 ng

RT: 7.85 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG032182.D

Acq: 20 Jan 2018 16:49

Instrument :

BNA_G

ClientSampleId :

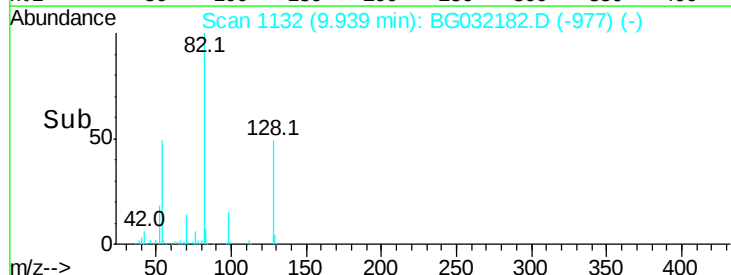
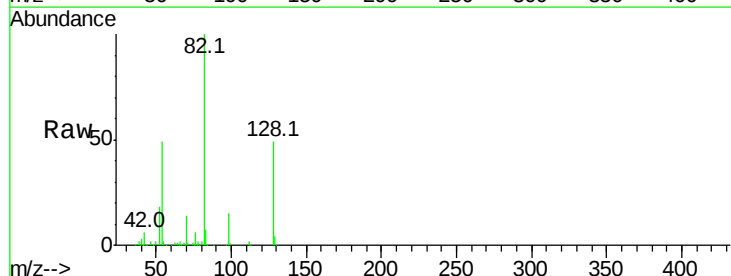
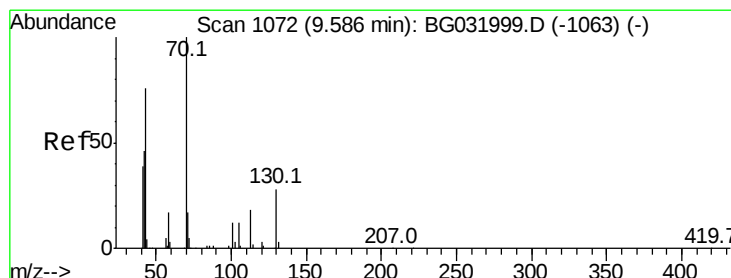
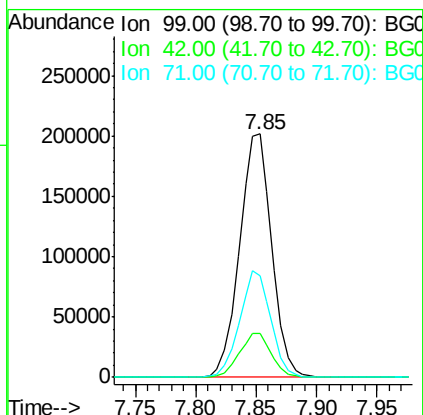
Tot Ion: 99 Resp: 372791

Ion Ratio Lower Upper

99 100

42 18.1 14.1 21.1

71 41.5 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 16.241 ng

RT: 9.94 min Scan# 1132

Delta R.T. 0.38 min

Lab File: BG032182.D

Acq: 20 Jan 2018 16:49

Tgt Ion: 70 Resp: 32787

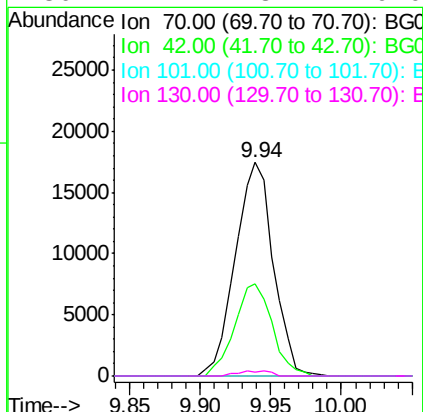
Ion Ratio Lower Upper

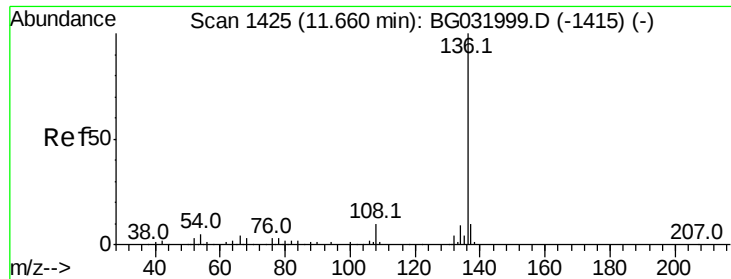
70 100

42 43.4 49.1 73.7#

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.63 min Scan# 1419

Delta R.T. -0.00 min

Lab File: BG032182.D

Acq: 20 Jan 2018 16:49

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 179062

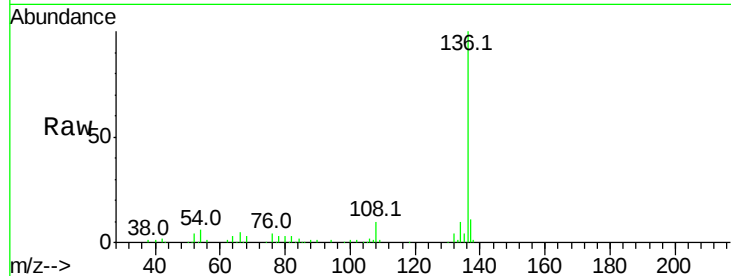
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 5.8 10.3 15.5#

68 3.1 4.5 6.7#

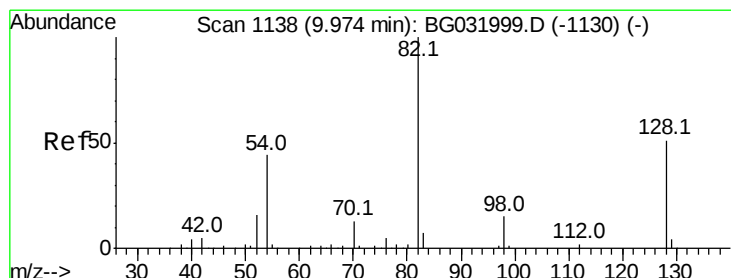
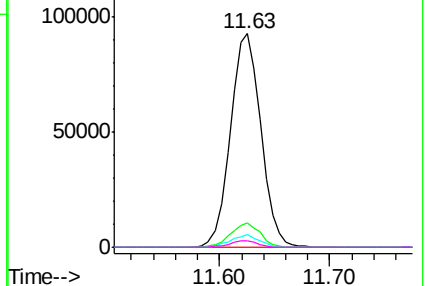
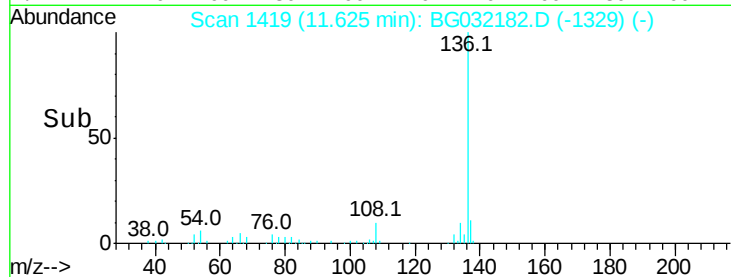


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 87.258 ng

RT: 9.94 min Scan# 1132

Delta R.T. -0.00 min

Lab File: BG032182.D

Acq: 20 Jan 2018 16:49

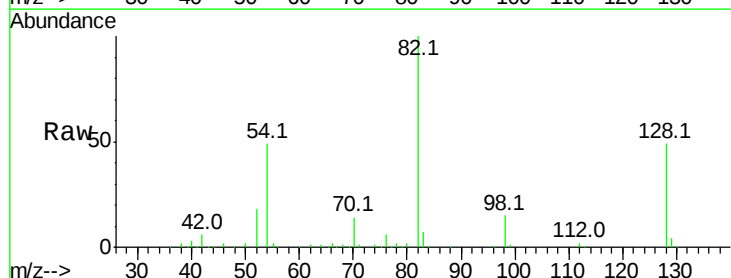
Tgt Ion: 82 Resp: 230948

Ion Ratio Lower Upper

82 100

128 49.3 29.7 44.5#

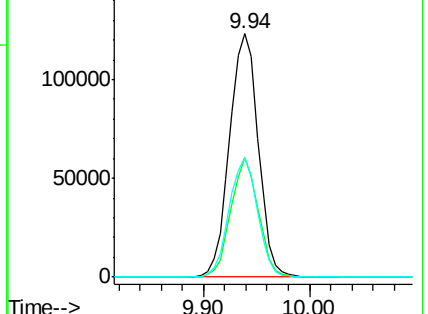
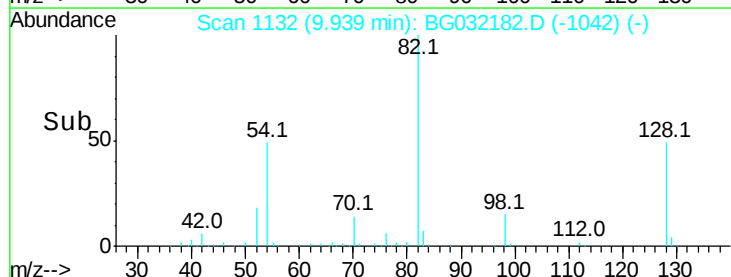
54 49.3 43.1 64.7

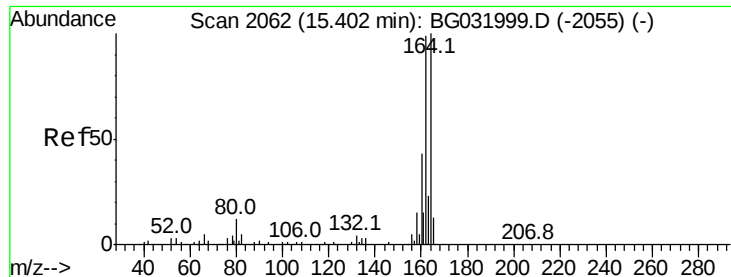


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.37 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BG032182.D

Acq: 20 Jan 2018 16:49

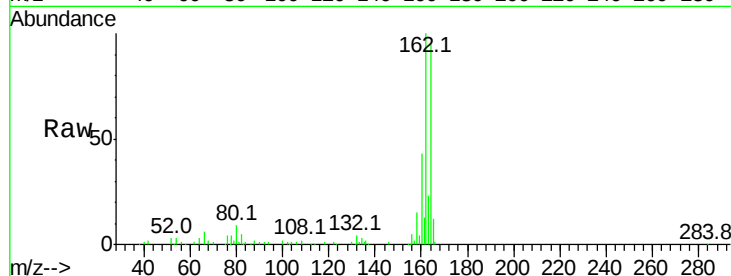
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 118347

Ion	Ratio	Lower	Upper
164	100		
162	105.0	78.8	118.2
160	45.5	35.4	53.0

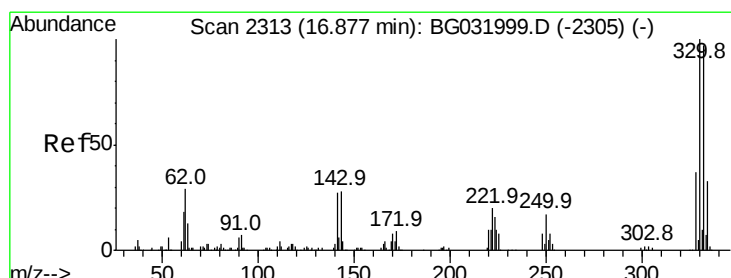
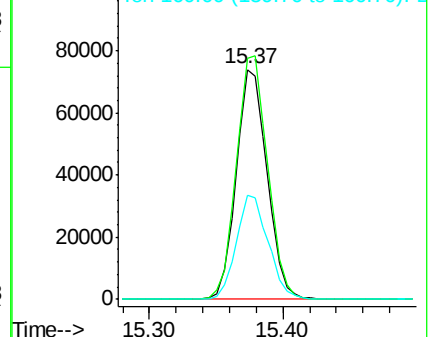
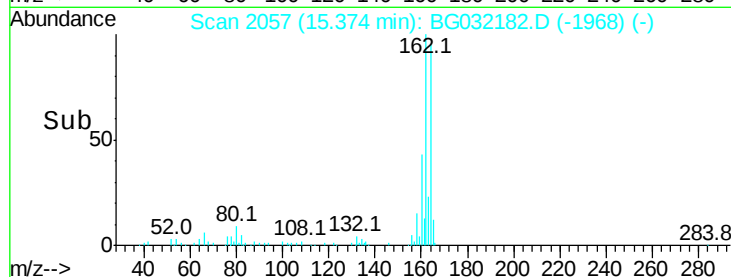


Abundance

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: 119.941 ng

RT: 16.85 min Scan# 2309

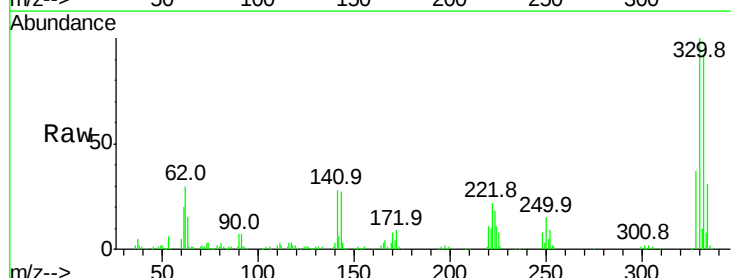
Delta R.T. -0.00 min

Lab File: BG032182.D

Acq: 20 Jan 2018 16:49

Tgt Ion:330 Resp: 234888

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	29.5	25.2	37.8

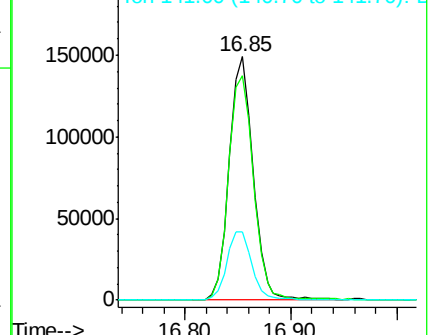
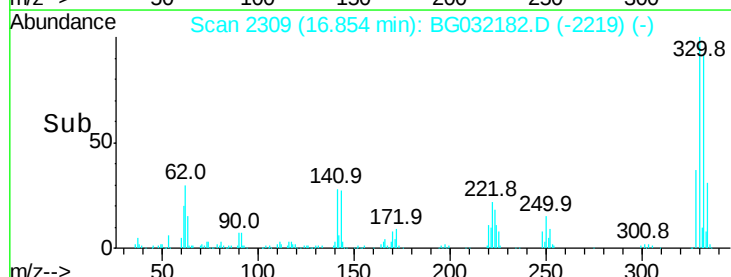


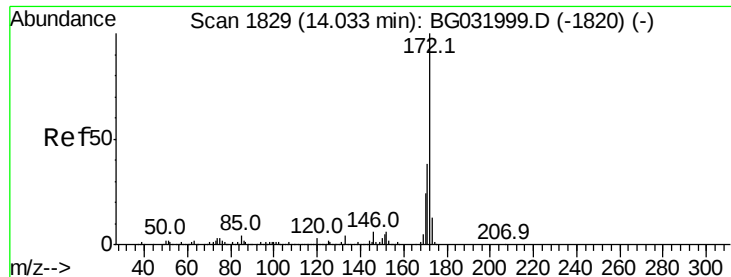
Abundance

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

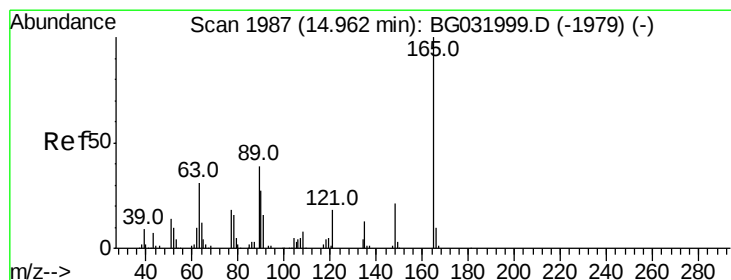
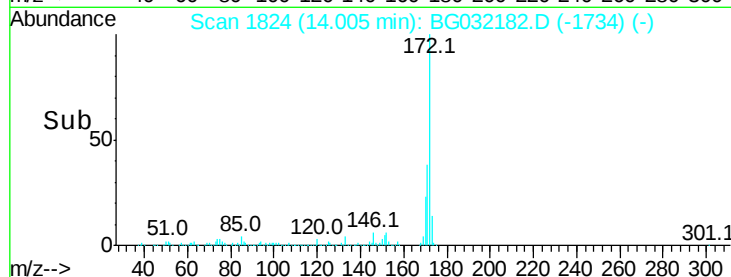
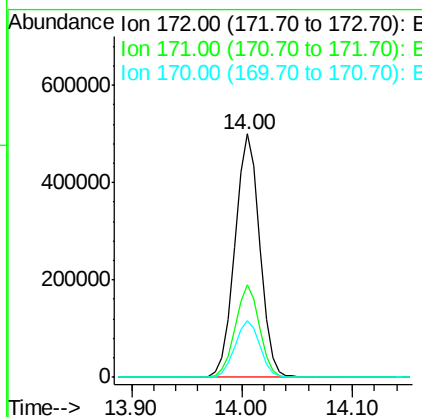
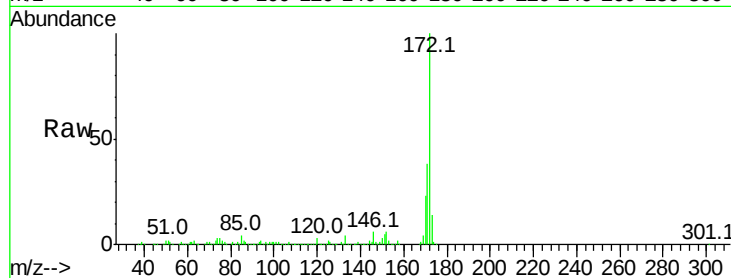




#44
2-Fluorobiphenyl
Concen: 82.796 ng
RT: 14.00 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BG032182.D
Acq: 20 Jan 2018 16:49

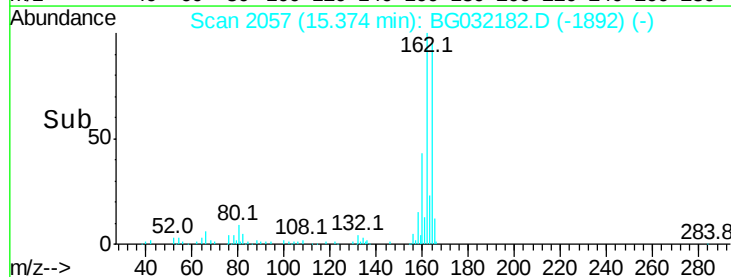
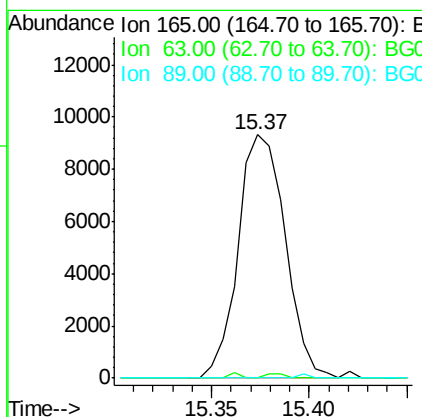
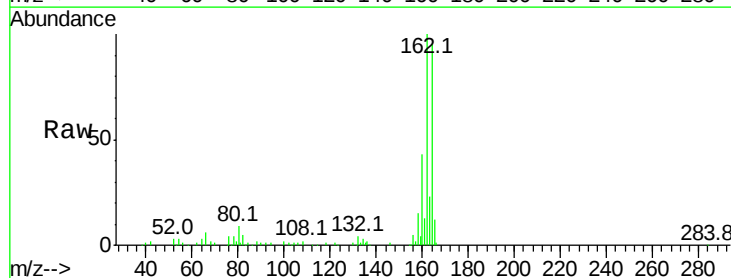
Instrument :
BNA_G
ClientSampleId :

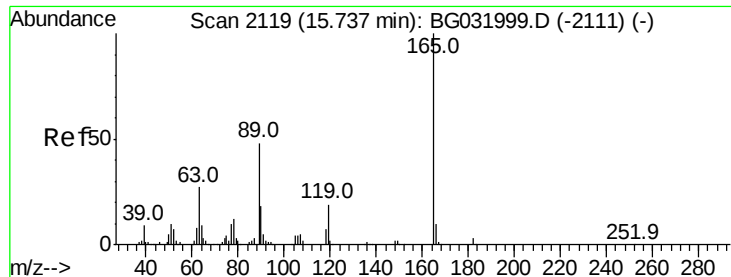
Tot Ion:172 Resp: 790246
Ion Ratio Lower Upper
172 100
171 37.8 30.0 45.0
170 23.4 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.237 ng
RT: 15.37 min Scan# 2057
Delta R.T. 0.44 min
Lab File: BG032182.D
Acq: 20 Jan 2018 16:49

Tgt Ion:165 Resp: 15556
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

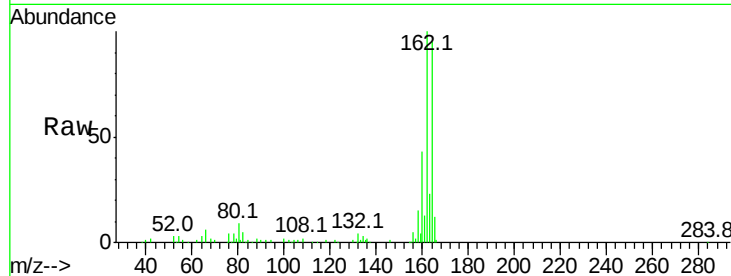




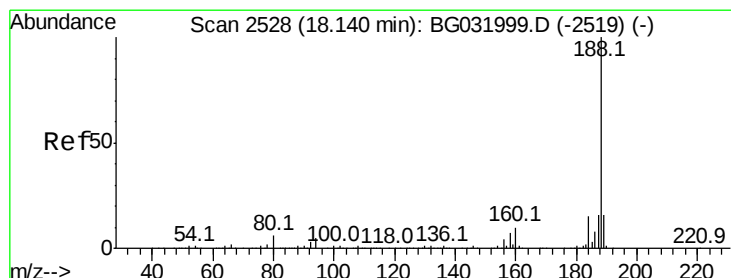
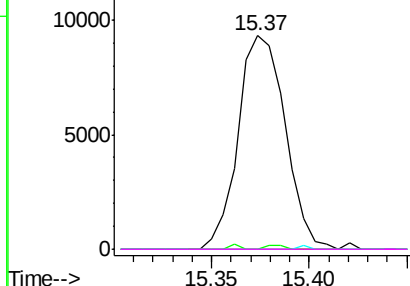
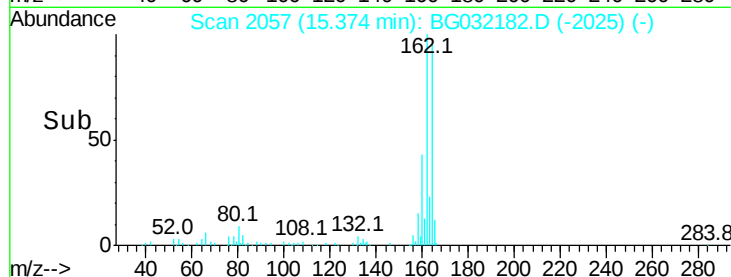
#56
2,4-Dinitrotoluene
Concen: 5.375 ng
RT: 15.37 min Scan# 2057
Delta R.T. -0.34 min
Lab File: BG032182.D
Acq: 20 Jan 2018 16:49

Instrument :
BNA_G
ClientSampled :

Tot Ion:165 Resp: 15556
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#

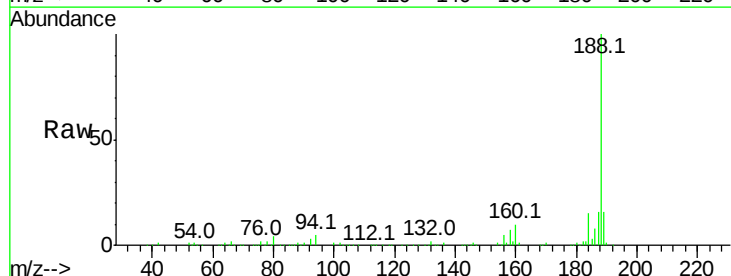


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

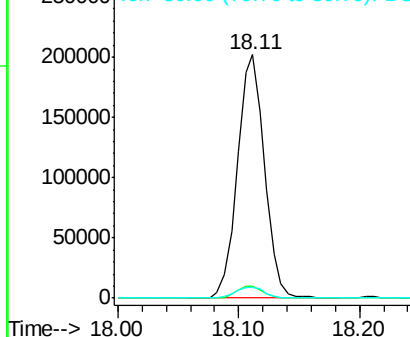
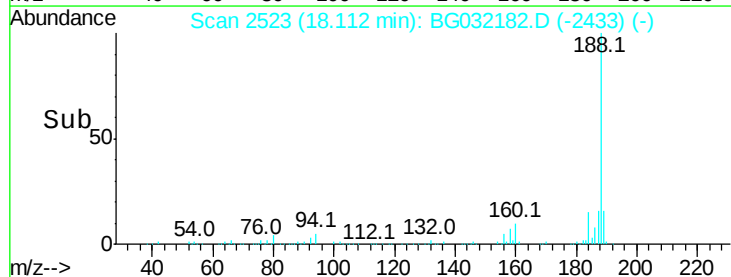


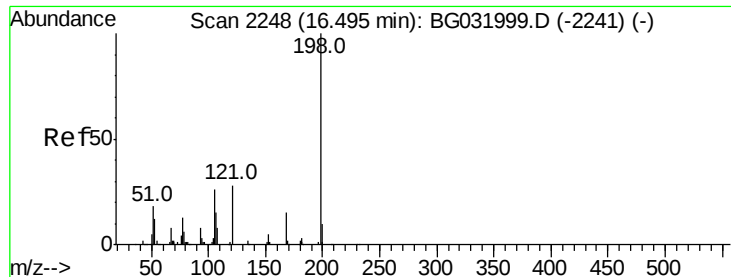
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.11 min Scan# 2523
Delta R.T. -0.00 min
Lab File: BG032182.D
Acq: 20 Jan 2018 16:49

Tgt Ion:188 Resp: 314926
Ion Ratio Lower Upper
188 100
94 4.7 6.9 10.3#
80 4.4 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 5.162 ng

RT: 16.85 min Scan# 2308

Delta R.T. 0.37 min

Lab File: BG032182.D

Acq: 20 Jan 2018 16:49

Instrument :

BNA_G

ClientSampled :

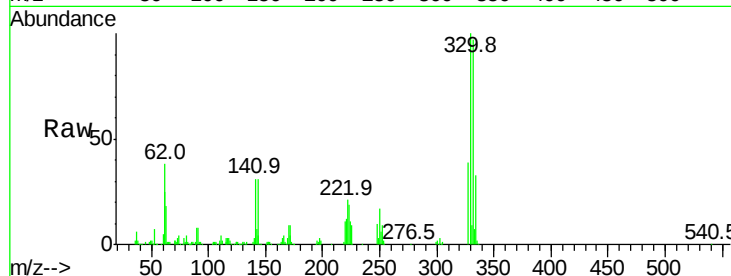
Tot Ion:198 Resp: 622

Ion Ratio Lower Upper

198 100

51 76.1 30.6 70.6#

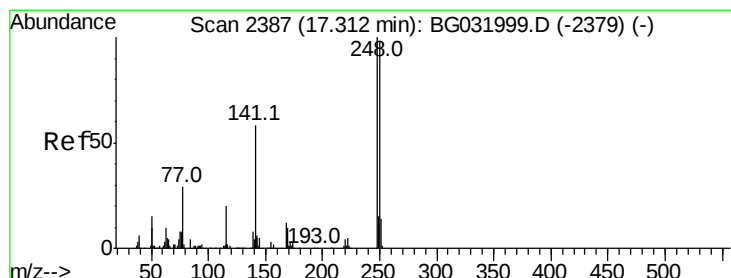
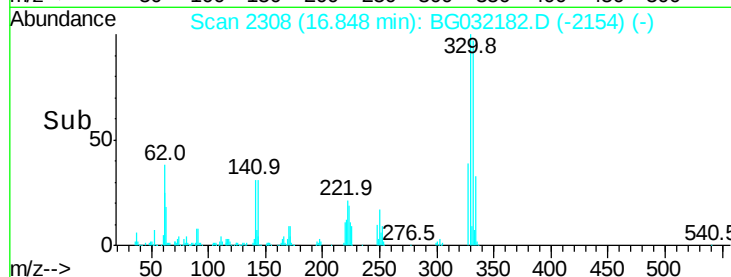
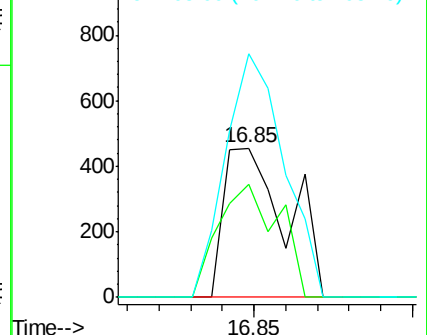
105 162.9 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.555 ng

RT: 16.85 min Scan# 2308

Delta R.T. -0.44 min

Lab File: BG032182.D

Acq: 20 Jan 2018 16:49

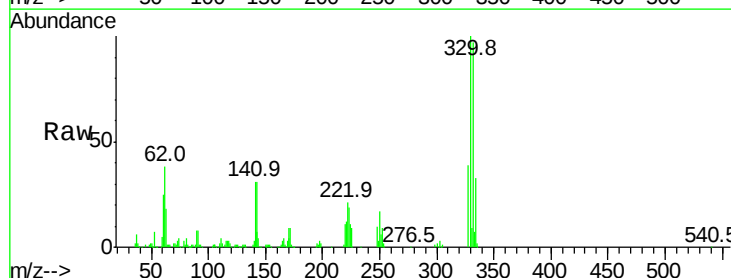
Tgt Ion:248 Resp: 20412

Ion Ratio Lower Upper

248 100

250 179.1 77.1 115.7#

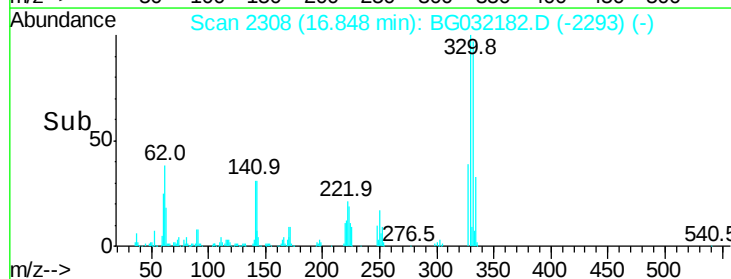
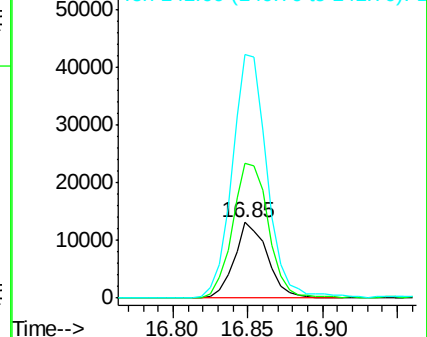
141 322.4 50.8 76.2#

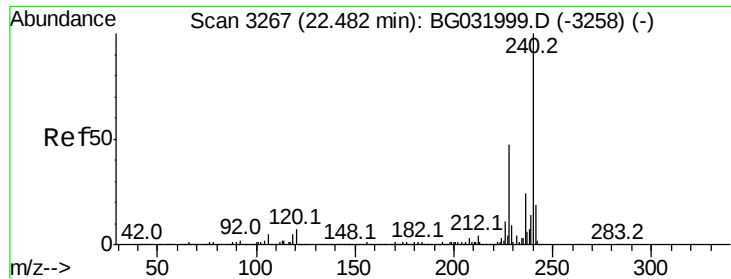


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrvsene-d12

Concen: 20.000 ng

RT: 22.44 min Scan# 3260

Delta R.T. -0.01 min

Lab File: BG032182.D

Acq: 20 Jan 2018 16:49

Instrument :

BNA_G

ClientSampleId :

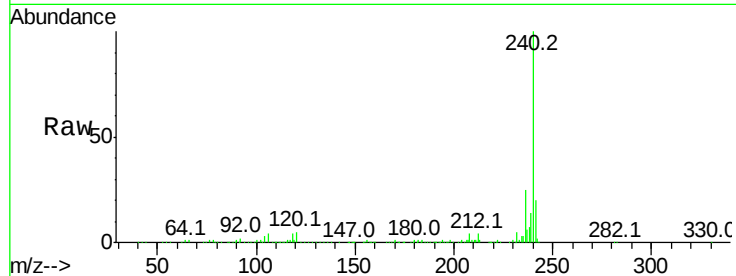
Tot Ion:240 Resp: 433705

Ion Ratio Lower Upper

240 100

120 4.6 6.8 10.2#

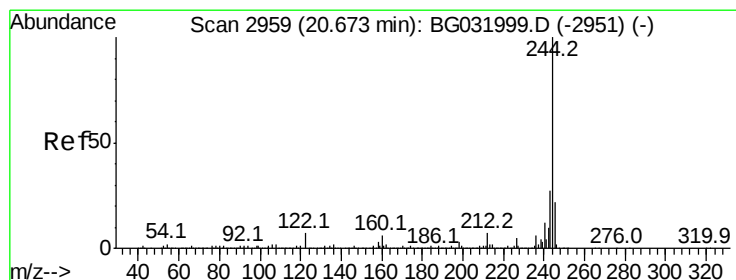
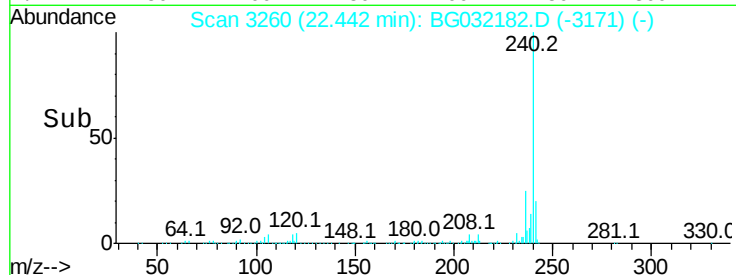
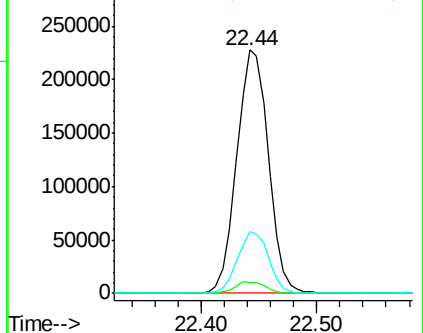
236 25.4 20.9 31.3



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: 82.340 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.00 min

Lab File: BG032182.D

Acq: 20 Jan 2018 16:49

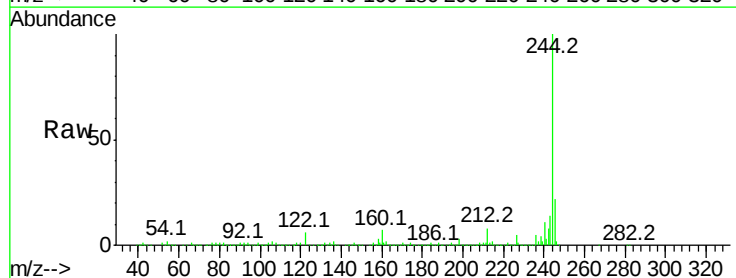
Tgt Ion:244 Resp: 1617334

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

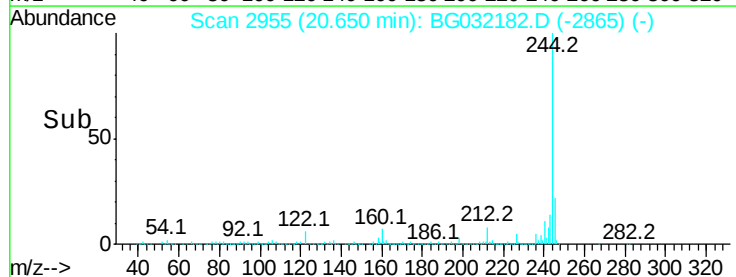
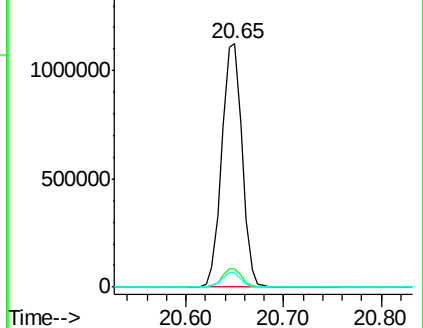
122 5.7 7.0 10.4#

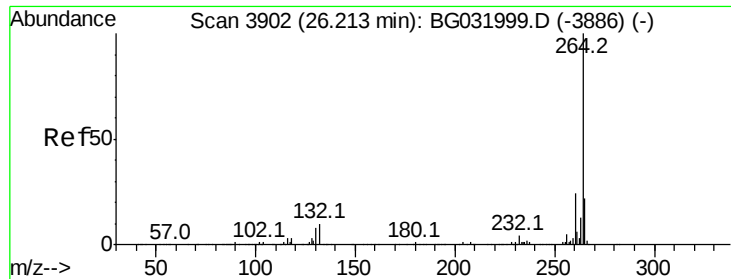


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

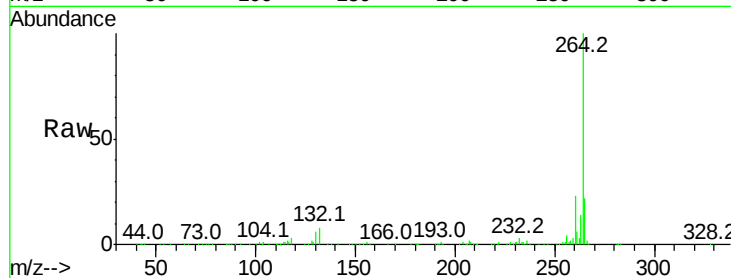




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.15 min Scan# 3891
 Delta R.T. -0.00 min
 Lab File: BG032182.D
 Acq: 20 Jan 2018 16:49

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:264 Resp: 446930
 Ion Ratio Lower Upper
 264 100
 260 22.7 17.4 26.0
 265 22.3 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

