

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122617\
 Data File : BG031792.D
 Acq On : 27 Dec 2017 10:53
 Operator : SJ/JU
 Sample : I7009-10
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 27 11:26:36 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 11:08:55 2017
 Response via : Initial Calibration

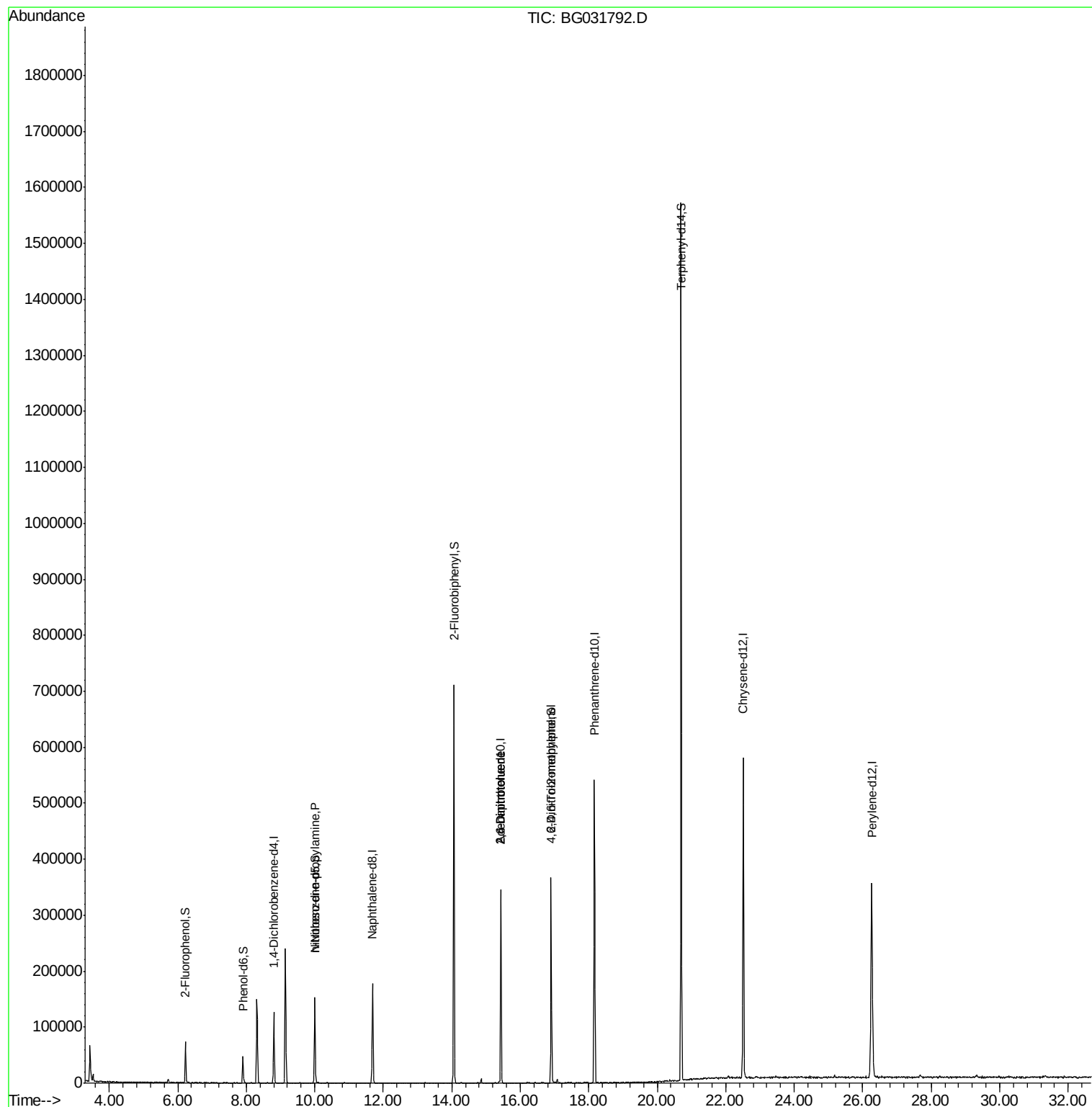
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.80	152	44110	20.00	ng	-0.03
21) Naphthalene-d8	11.69	136	181285	20.00	ng	-0.03
38) Acenaphthene-d10	15.43	164	134462	20.00	ng	-0.03
63) Phenanthrene-d10	18.16	188	375020	20.00	ng	-0.04
75) Chrysene-d12	22.51	240	461430	20.00	ng	-0.06
86) Perylene-d12	26.25	264	485446	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	6.23	112	42792	17.67	ng	-0.02
7) Phenol-d6	7.90	99	33523	10.66	ng	-0.03
23) Nitrobenzene-d5	10.00	82	99055	41.26	ng	-0.03
41) 2,4,6-Tribromophenol	16.90	330	90852	44.28	ng	-0.04
44) 2-Fluorobiphenyl	14.06	172	430630	40.20	ng	-0.03
78) Terphenyl-d14	20.70	244	874541	43.30	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.00	70	12840	5.979	ng	# 74
50) 2,6-Dinitrotoluene	15.43	165	16543	7.592	ng	# 22
56) 2,4-Dinitrotoluene	15.43	165	16543	5.904	ng	# 20
64) 4,6-Dinitro-2-methylphenol	16.91	198	119	8.360	ng	# 18

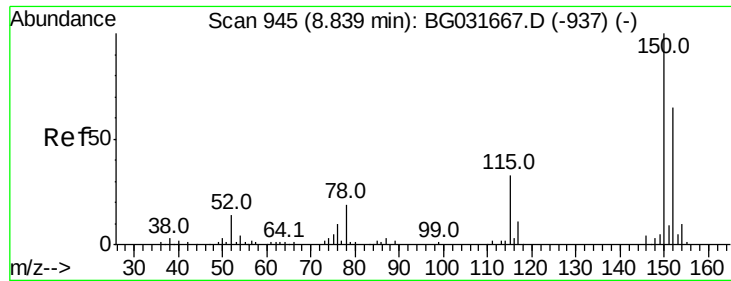
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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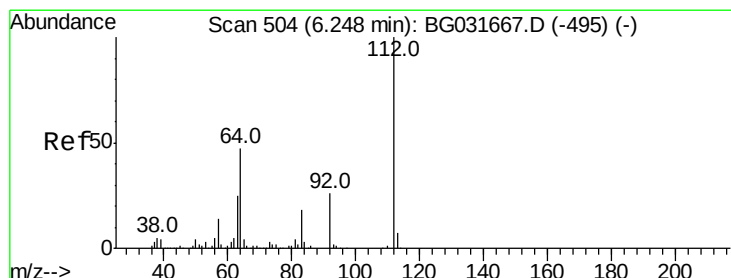
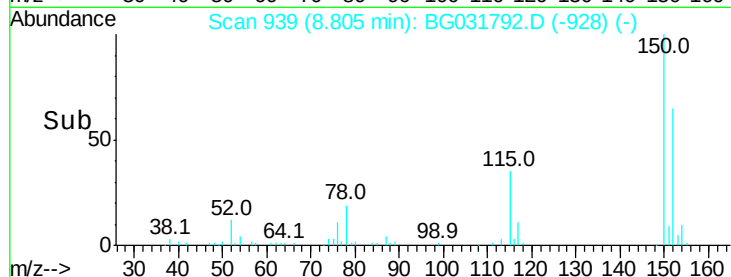
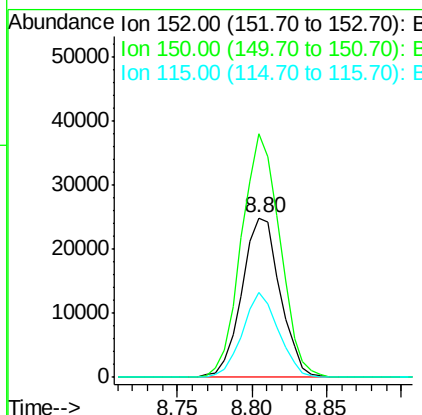
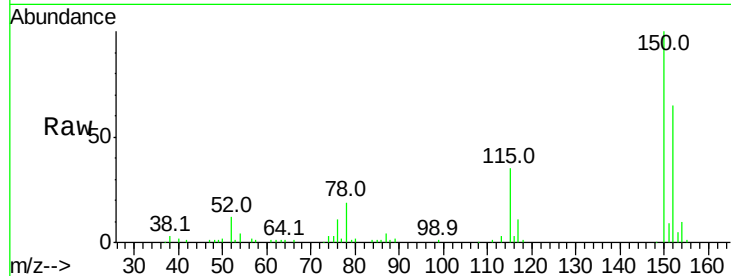


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.80 min Scan# 939
Delta R.T. -0.03 min
Lab File: BG031792.D
Acq: 27 Dec 2017 10:53

Instrument :
BNA_G
ClientSampleId :

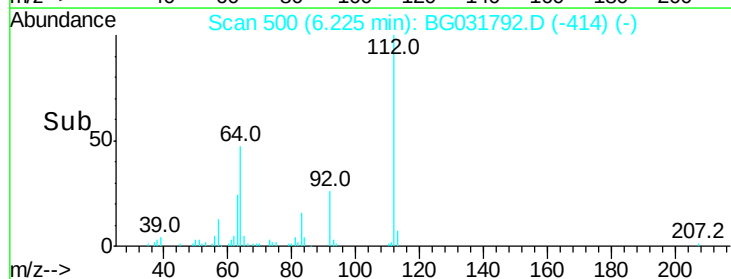
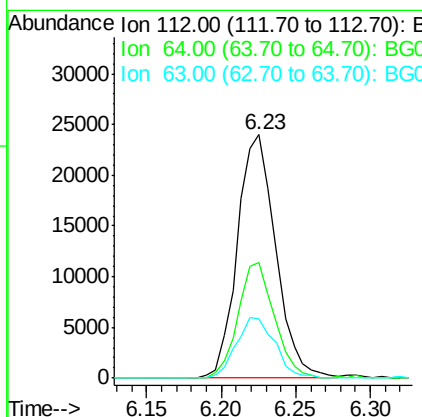
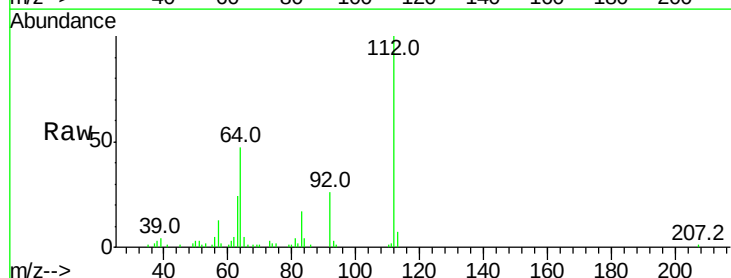
Tot Ion:152 Resp: 44110
Ion Ratio Lower Upper
152 100
150 152.9 126.6 189.8
115 53.2 53.0 79.4

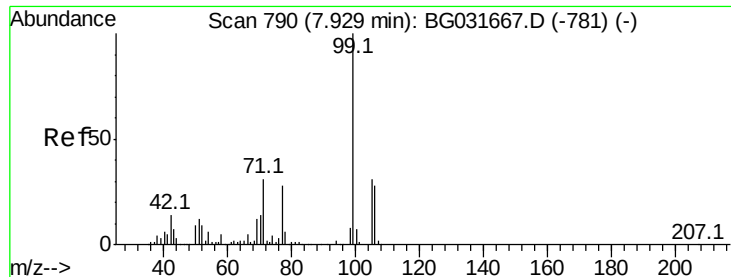


#5

2-Fluorophenol
Concen: 17.670 ng
RT: 6.23 min Scan# 500
Delta R.T. -0.02 min
Lab File: BG031792.D
Acq: 27 Dec 2017 10:53

Tgt Ion:112 Resp: 42792
Ion Ratio Lower Upper
112 100
64 47.2 56.3 84.5#
63 24.3 30.1 45.1#





#7

Phenol-d6

Concen: 10.662 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.03 min

Lab File: BG031792.D

Acq: 27 Dec 2017 10:53

Instrument :

BNA_G

ClientSampled :

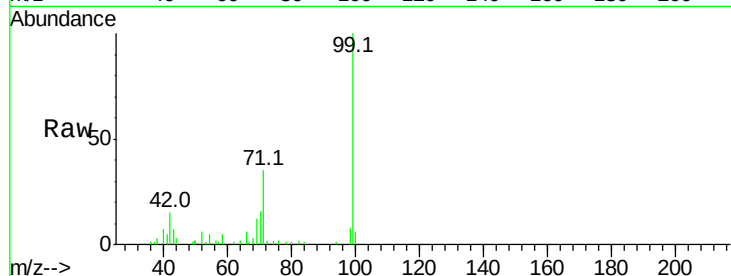
Tot Ion: 99 Resp: 33523

Ion Ratio Lower Upper

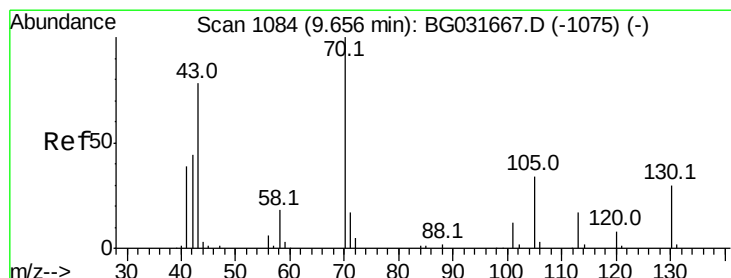
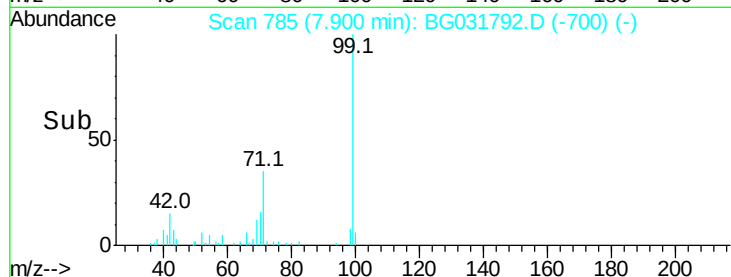
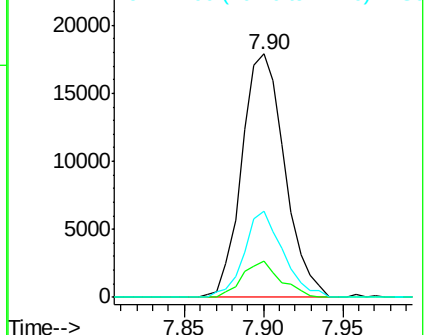
99 100

42 14.8 14.1 21.1

71 35.1 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



#19

n-Nitroso-di-n-propylamine

Concen: 5.979 ng

RT: 10.00 min Scan# 1143

Delta R.T. 0.35 min

Lab File: BG031792.D

Acq: 27 Dec 2017 10:53

Tgt Ion: 70 Resp: 12840

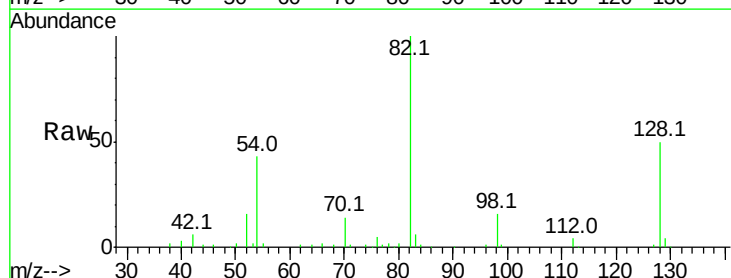
Ion Ratio Lower Upper

70 100

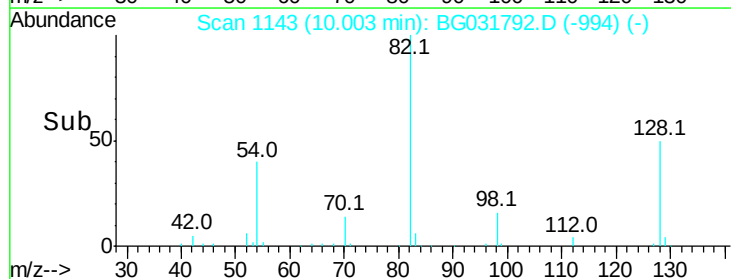
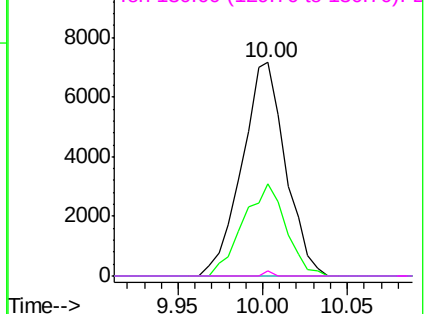
42 43.4 49.1 73.7#

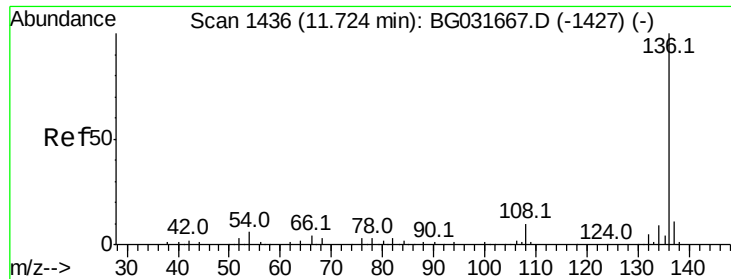
101 0.0 8.5 12.7#

130 2.7 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.69 min Scan# 1430

Delta R.T. -0.03 min

Lab File: BG031792.D

Acq: 27 Dec 2017 10:53

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 181285

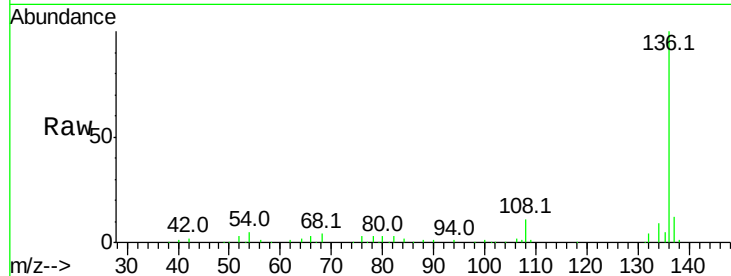
Ion Ratio Lower Upper

136 100

137 12.4 9.2 13.8

54 5.1 10.3 15.5#

68 4.4 4.5 6.7#

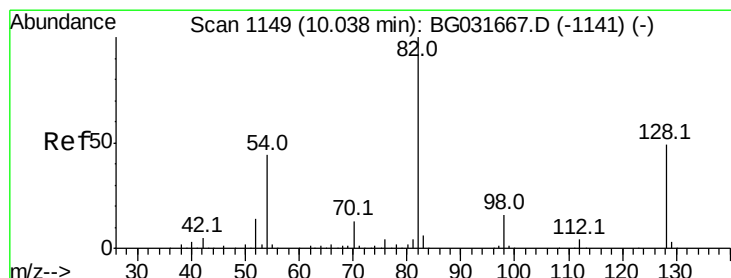
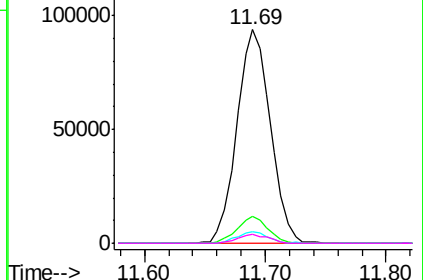
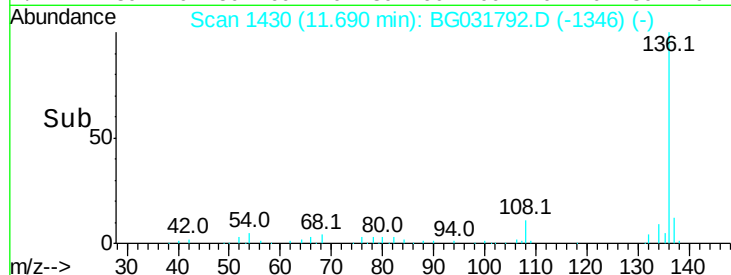


Abundance Ion 136.00 (135.70 to 136.70): E

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: 41.260 ng

RT: 10.00 min Scan# 1143

Delta R.T. -0.03 min

Lab File: BG031792.D

Acq: 27 Dec 2017 10:53

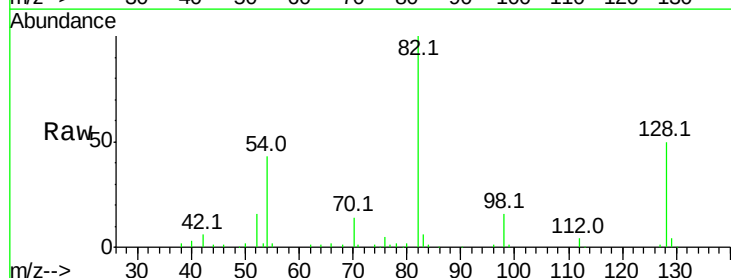
Tgt Ion: 82 Resp: 99055

Ion Ratio Lower Upper

82 100

128 50.2 29.7 44.5#

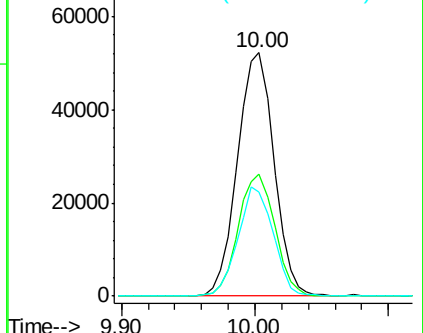
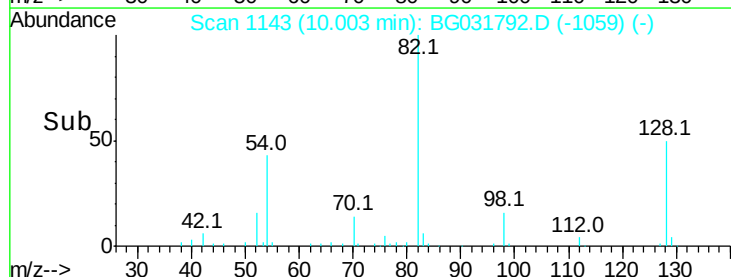
54 42.6 43.1 64.7#

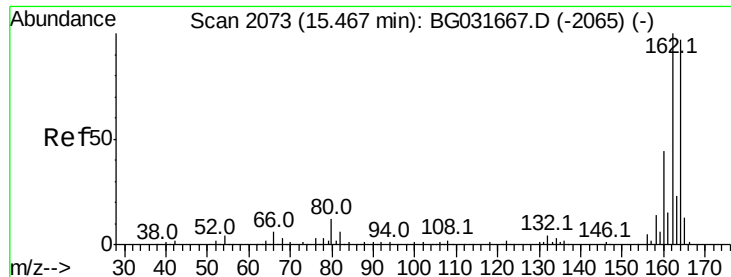


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 15.43 min Scan# 2067

Delta R.T. -0.03 min

Lab File: BG031792.D

Acq: 27 Dec 2017 10:53

Instrument :

BNA_G

ClientSampleId :

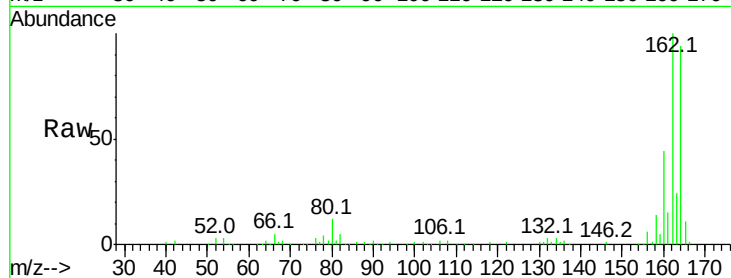
Tot Ion:164 Resp: 134462

Ion Ratio Lower Upper

164 100

162 106.9 78.8 118.2

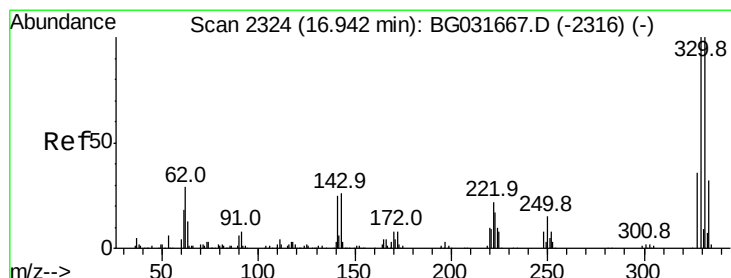
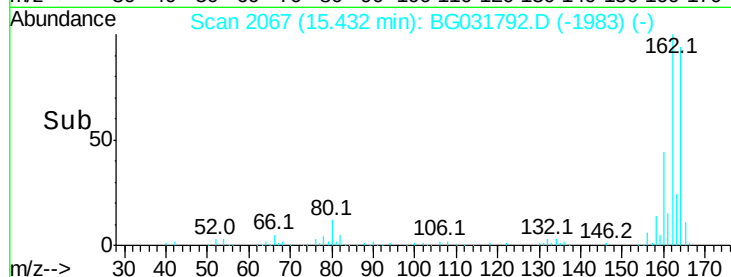
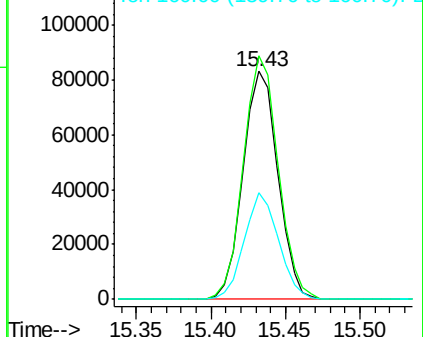
160 46.8 35.4 53.0



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: 44.281 ng

RT: 16.90 min Scan# 2317

Delta R.T. -0.04 min

Lab File: BG031792.D

Acq: 27 Dec 2017 10:53

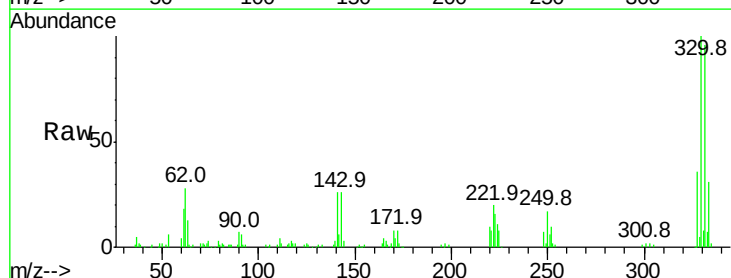
Tgt Ion:330 Resp: 90852

Ion Ratio Lower Upper

330 100

332 98.4 77.0 115.6

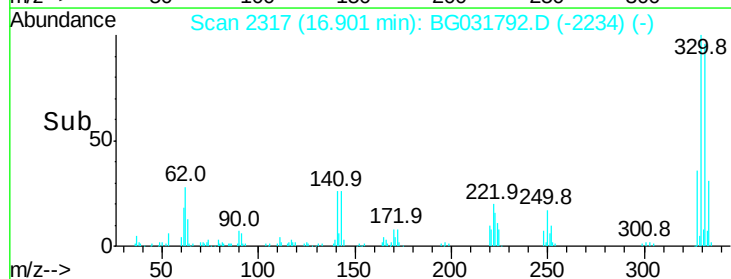
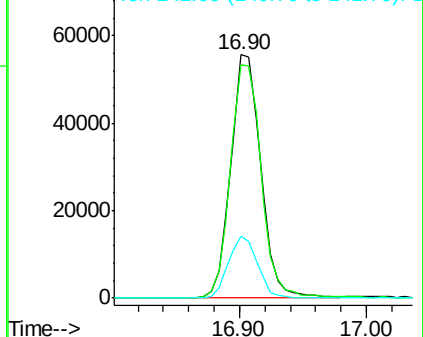
141 24.7 25.2 37.8#

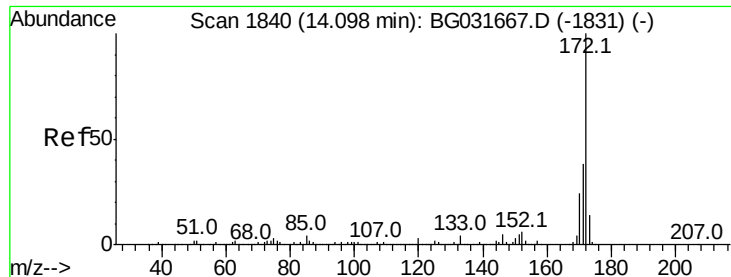


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

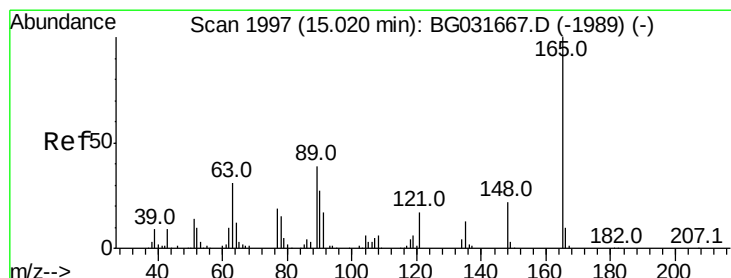
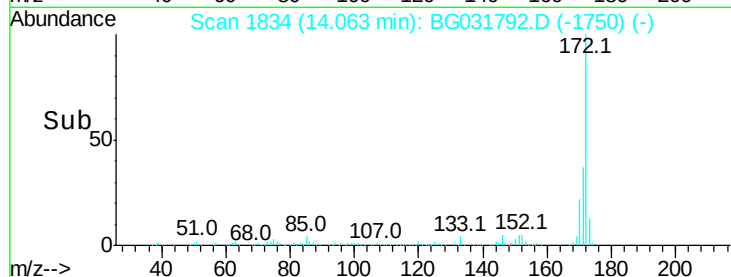
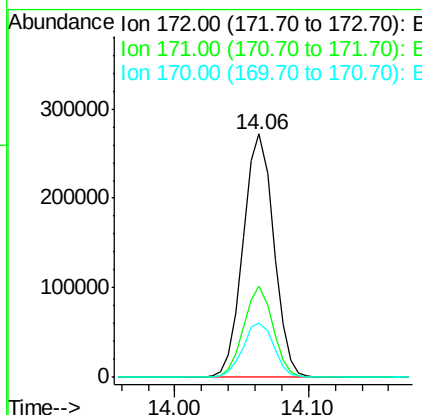
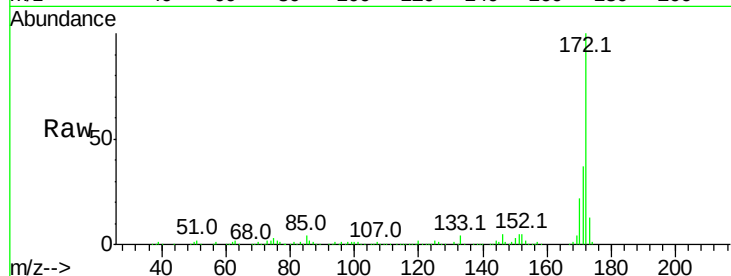




#44
2-Fluorobiphenyl
Concen: 40.197 ng
RT: 14.06 min Scan# 1834
Delta R.T. -0.03 min
Lab File: BG031792.D
Acq: 27 Dec 2017 10:53

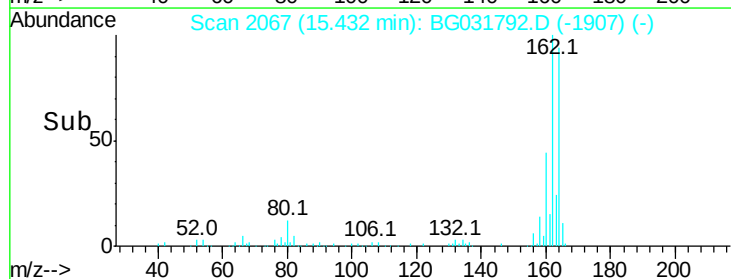
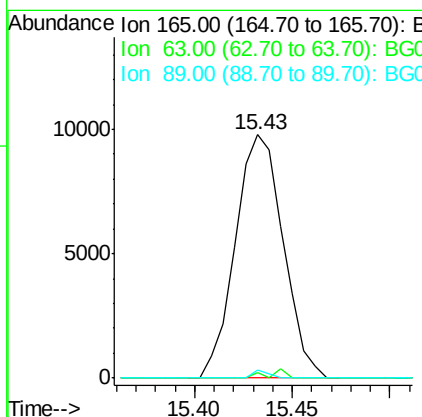
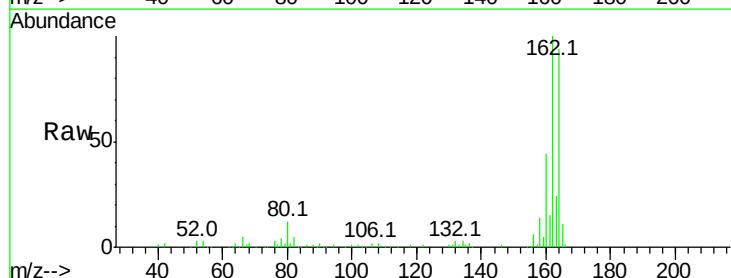
Instrument :
BNA_G
ClientSampleId :

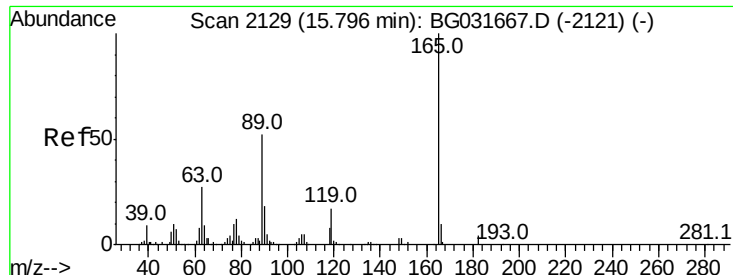
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.0	45.0
170	22.2	19.5	29.3



#50
2,6-Dinitrotoluene
Concen: 7.592 ng
RT: 15.43 min Scan# 2067
Delta R.T. 0.41 min
Lab File: BG031792.D
Acq: 27 Dec 2017 10:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	52.7	79.1#
89	3.2	49.2	73.8#

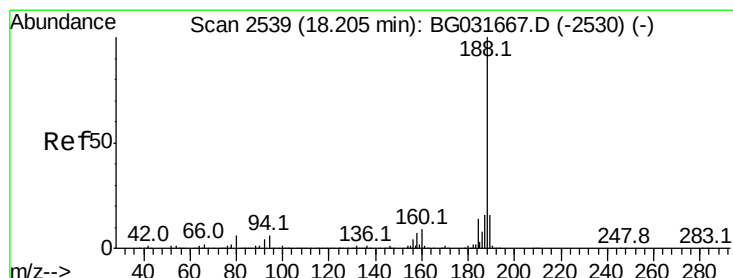
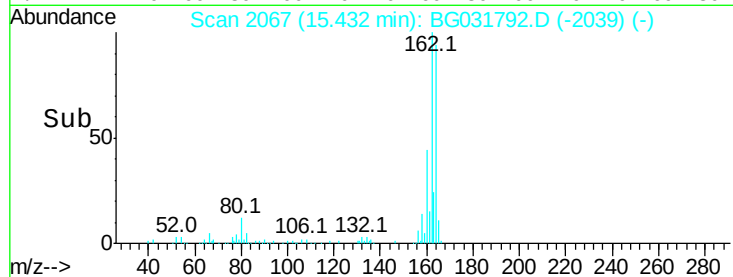
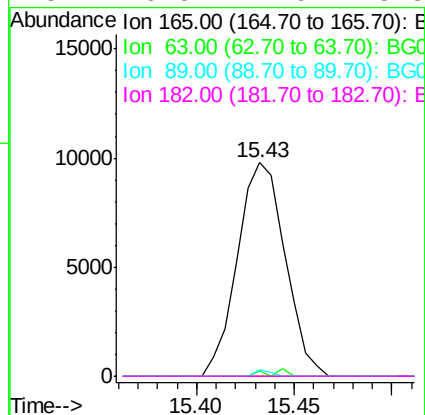
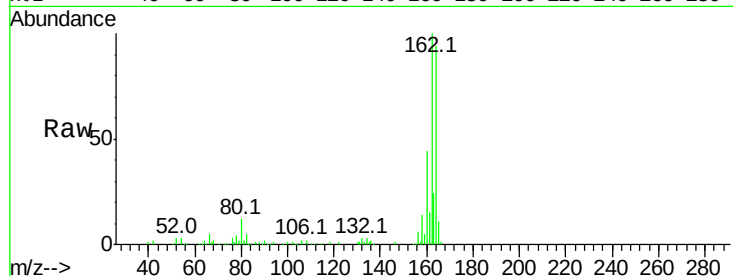




#56
 2,4-Dinitrotoluene
 Concen: 5.904 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. -0.36 min
 Lab File: BG031792.D
 Acq: 27 Dec 2017 10:53

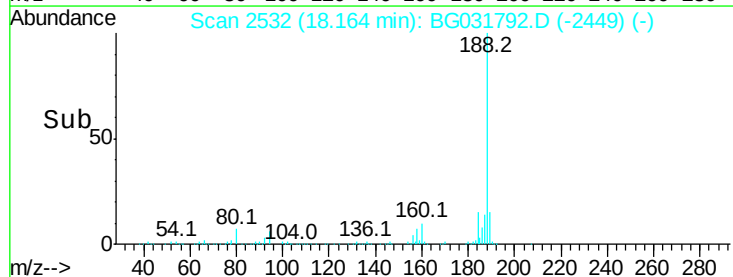
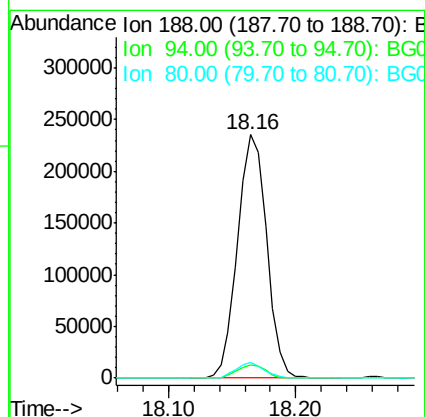
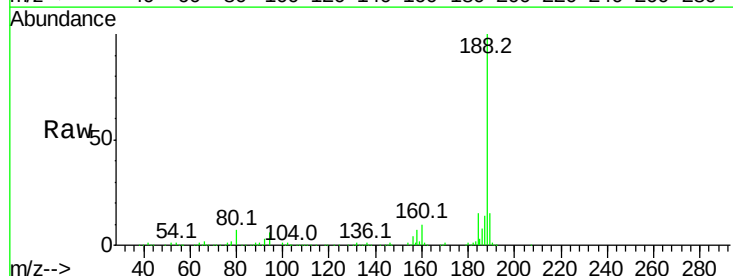
Instrument :
 BNA_G
 ClientSampleId :

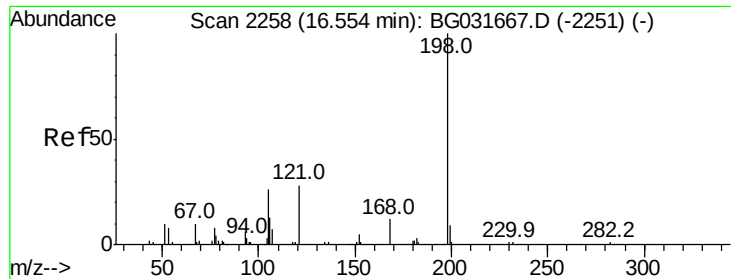
Tot Ion:	165	Resp:	16543
Ion	Ratio	Lower	Upper
165	100		
63	2.2	42.0	63.0#
89	3.2	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.16 min Scan# 2532
 Delta R.T. -0.04 min
 Lab File: BG031792.D
 Acq: 27 Dec 2017 10:53

Tgt Ion:	188	Resp:	375020
Ion	Ratio	Lower	Upper
188	100		
94	5.5	6.9	10.3#
80	6.5	7.7	11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 8.360 ng

RT: 16.91 min Scan# 2319

Delta R.T. 0.36 min

Lab File: BG031792.D

Acq: 27 Dec 2017 10:53

Instrument :

BNA_G

ClientSampleId :

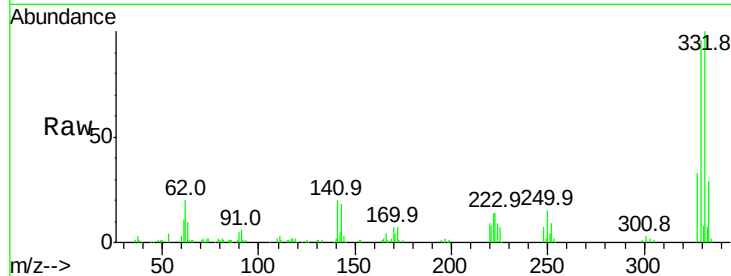
Tot Ion:198 Resp: 119

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

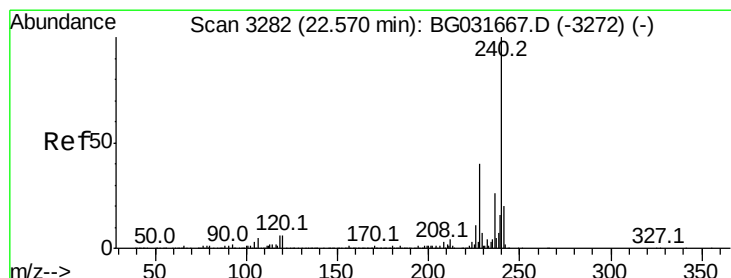
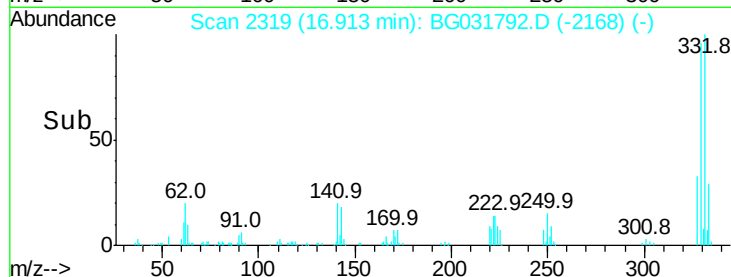
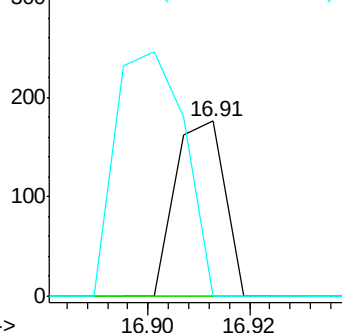
105 103.4 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG031667.D (-2251) (-)

Ion 105.00 (104.70 to 105.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.51 min Scan# 3272

Delta R.T. -0.06 min

Lab File: BG031792.D

Acq: 27 Dec 2017 10:53

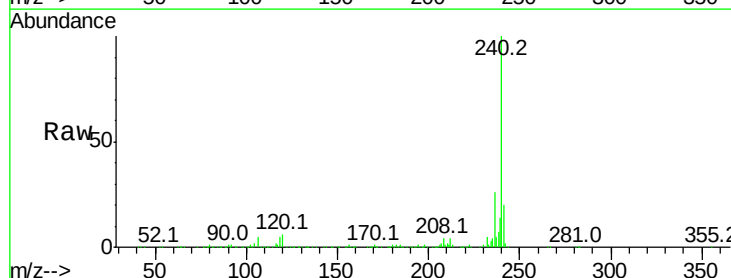
Tgt Ion:240 Resp: 461430

Ion Ratio Lower Upper

240 100

120 5.8 6.8 10.2#

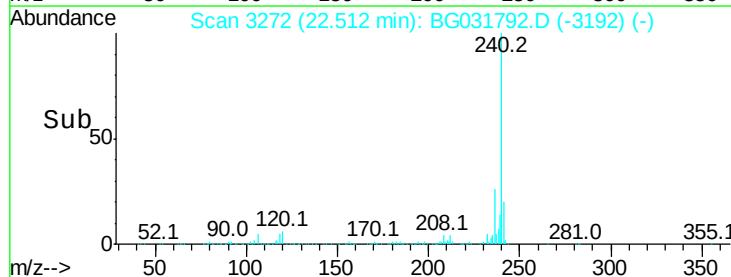
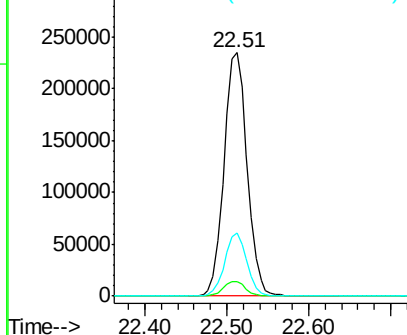
236 26.0 20.9 31.3

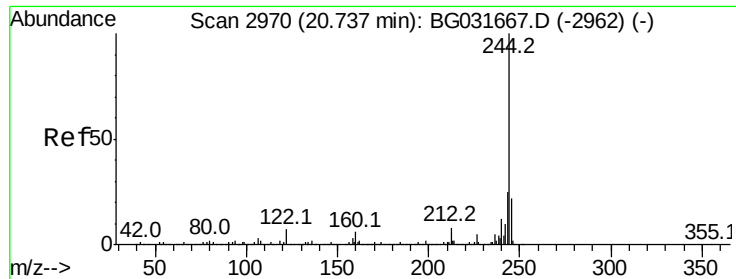


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 43.301 ng

RT: 20.70 min Scan# 2963

Delta R.T. -0.04 min

Lab File: BG031792.D

Acq: 27 Dec 2017 10:53

Instrument :

BNA_G

ClientSampleId :

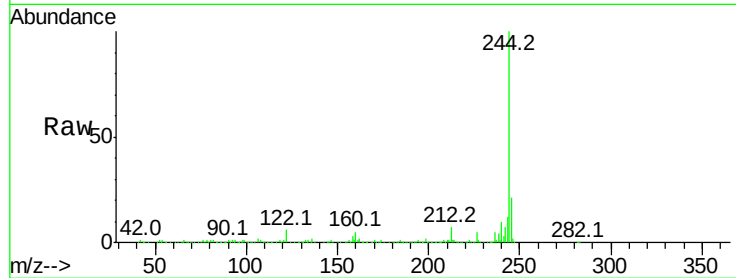
Tot Ion:244 Resp: 874541

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

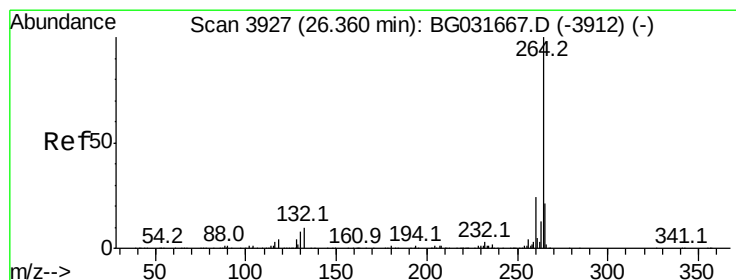
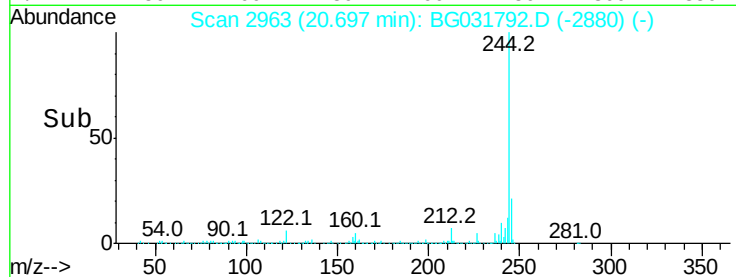
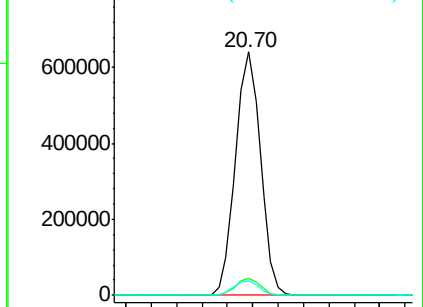
122 6.1 7.0 10.4#



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: 26.25 min Scan# 3909

Delta R.T. -0.11 min

Lab File: BG031792.D

Acq: 27 Dec 2017 10:53

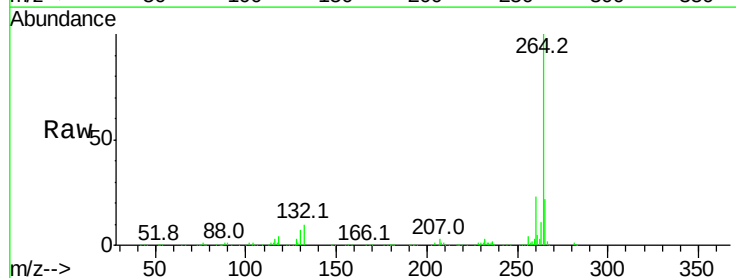
Tgt Ion:264 Resp: 485446

Ion Ratio Lower Upper

264 100

260 22.6 17.4 26.0

265 21.6 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

