

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122717\
 Data File : BG031814.D
 Acq On : 28 Dec 2017 2:49
 Operator : SJ/JU
 Sample : I7058-13
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 28 07:22:46 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

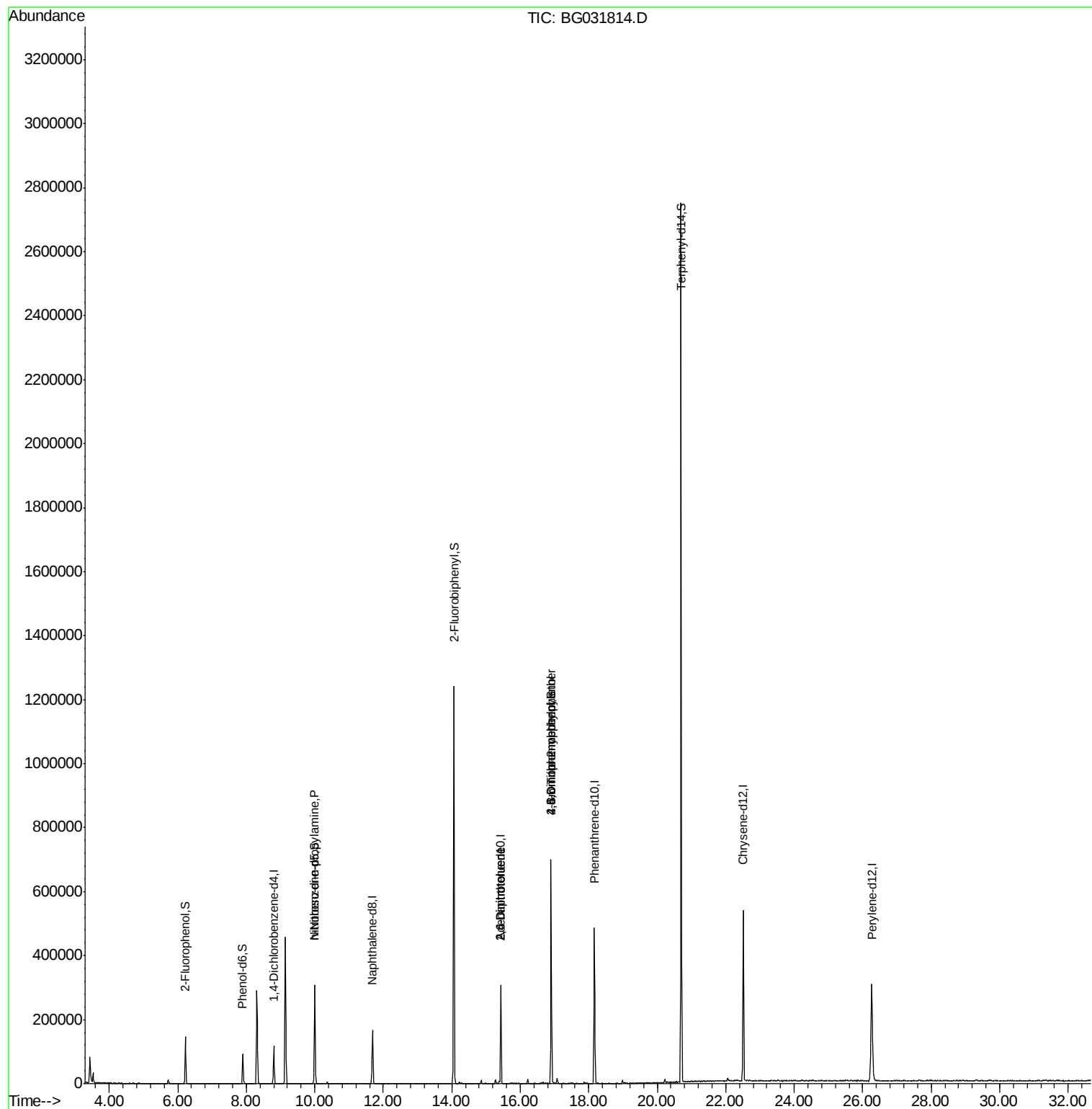
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.81	152	40284	20.00	ng	-0.03
21) Naphthalene-d8	11.69	136	170365	20.00	ng	-0.03
38) Acenaphthene-d10	15.43	164	121544	20.00	ng	-0.03
63) Phenanthrene-d10	18.17	188	324900	20.00	ng	-0.04
75) Chrysene-d12	22.51	240	406741	20.00	ng	-0.06
86) Perylene-d12	26.26	264	430060	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	6.23	112	82689	37.39	ng	-0.02
7) Phenol-d6	7.90	99	66370	23.11	ng	-0.03
23) Nitrobenzene-d5	10.00	82	198544	88.00	ng	-0.04
41) 2,4,6-Tribromophenol	16.90	330	168718	90.97	ng	-0.04
44) 2-Fluorobiphenyl	14.06	172	780143	80.56	ng	-0.03
78) Terphenyl-d14	20.70	244	1458059	81.90	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.00	70	26147	13.333	ng	# 68
50) 2,6-Dinitrotoluene	15.43	165	15737	7.989	ng	# 18
56) 2,4-Dinitrotoluene	15.43	165	15737	6.213	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.90	198	84	8.350	ng	# 1
66) 4-Bromophenyl-phenylether	16.90	248	13668	2.909	ng	# 1

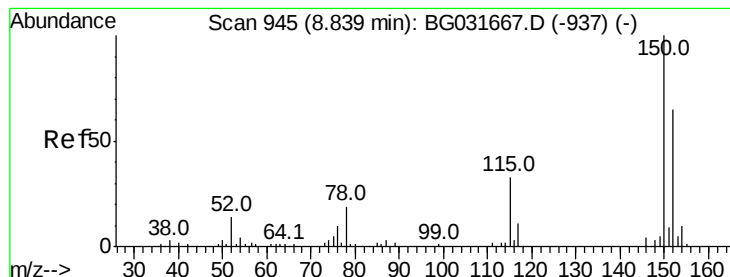
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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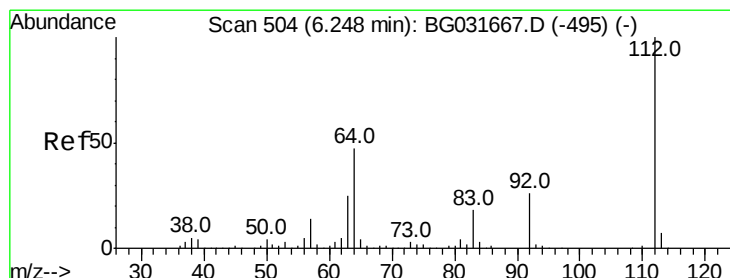
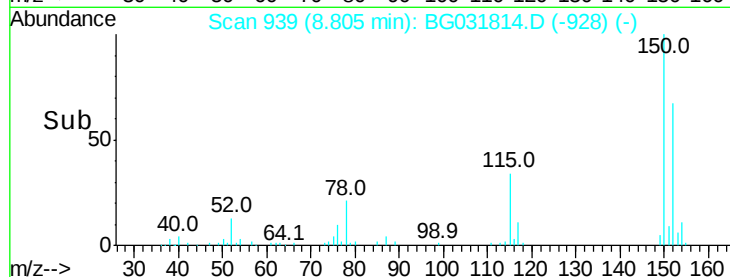
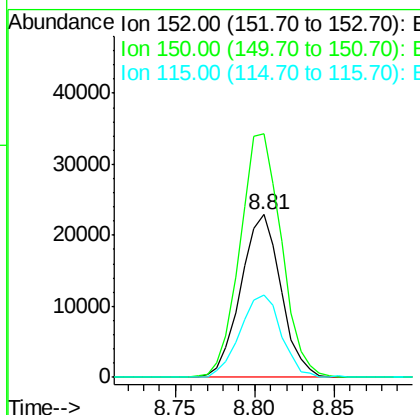
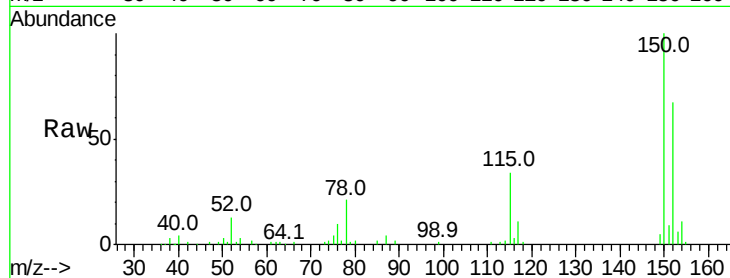


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.81 min Scan# 939
 Delta R.T. -0.03 min
 Lab File: BG031814.D
 Acq: 28 Dec 2017 2:49

Instrument :
 BNA_G
 ClientSampleId :

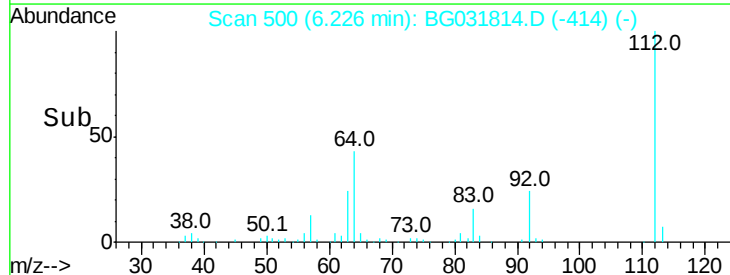
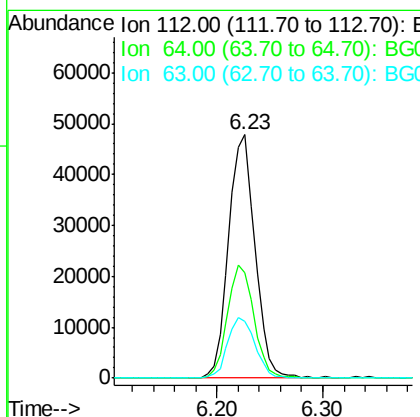
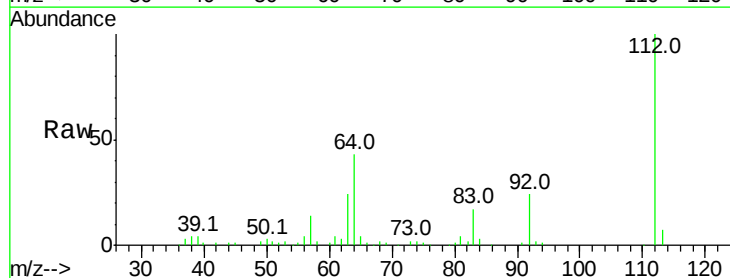
Tot Ion:152 Resp: 40284
 Ion Ratio Lower Upper
 152 100
 150 149.9 126.6 189.8
 115 50.9 53.0 79.4#



#5

2-Fluorophenol
 Concen: 37.387 ng
 RT: 6.23 min Scan# 500
 Delta R.T. -0.02 min
 Lab File: BG031814.D
 Acq: 28 Dec 2017 2:49

Tgt Ion:112 Resp: 82689
 Ion Ratio Lower Upper
 112 100
 64 43.3 56.3 84.5#
 63 23.5 30.1 45.1#





#7

Phenol-d6

Concen: 23.113 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.03 min

Lab File: BG031814.D

Acq: 28 Dec 2017 2:49

Instrument :

BNA_G

ClientSampleId :

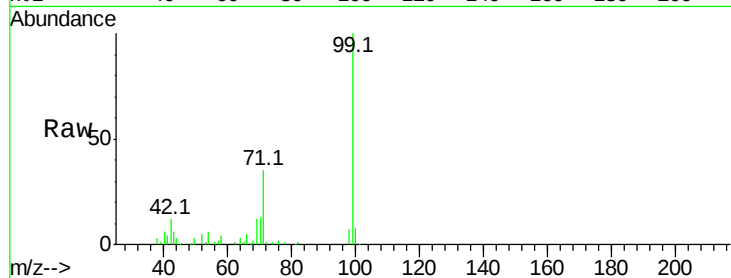
Tot Ion: 99 Resp: 66370

Ion Ratio Lower Upper

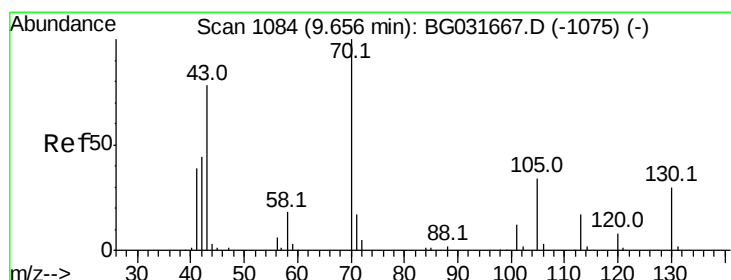
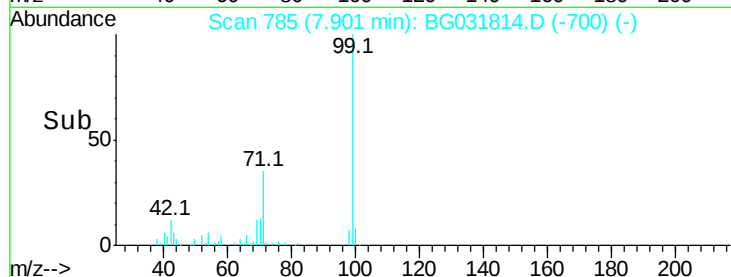
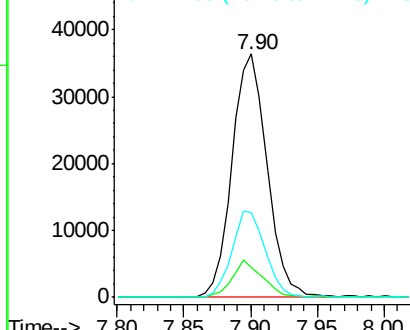
99 100

42 12.3 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: 13.333 ng

RT: 10.00 min Scan# 1143

Delta R.T. 0.35 min

Lab File: BG031814.D

Acq: 28 Dec 2017 2:49

Tgt Ion: 70 Resp: 26147

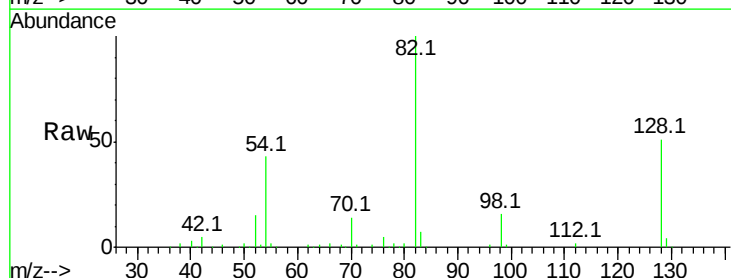
Ion Ratio Lower Upper

70 100

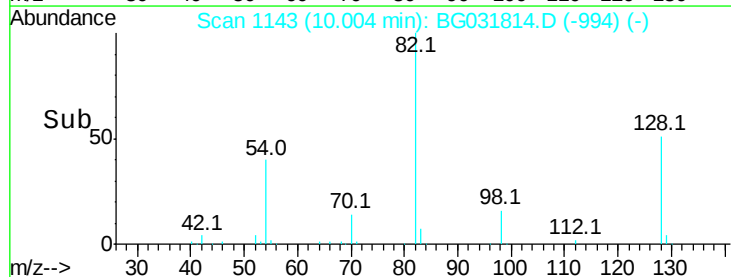
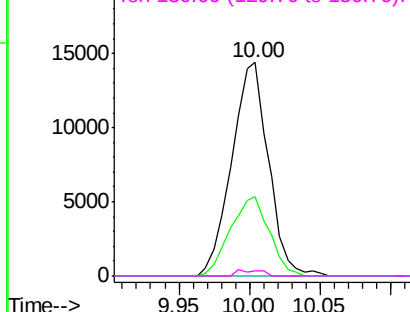
42 37.2 49.1 73.7#

101 0.0 8.5 12.7#

130 2.4 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

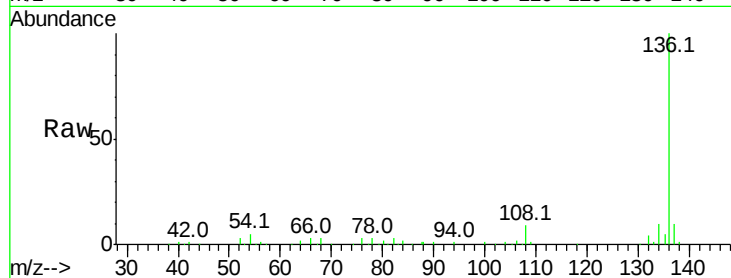




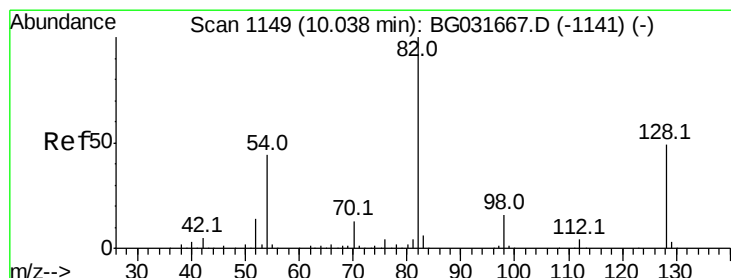
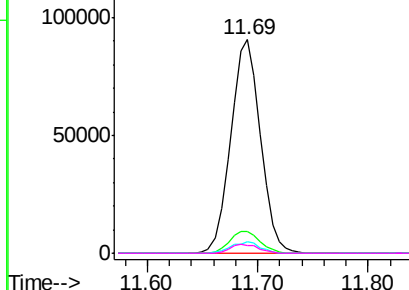
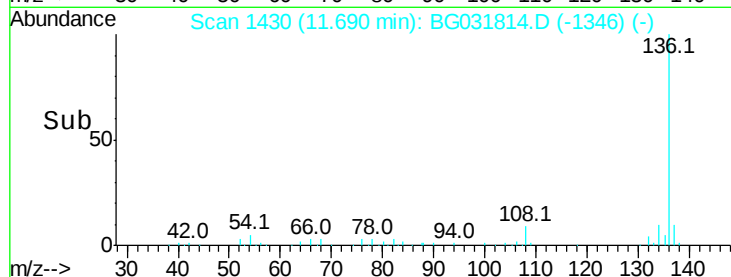
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.69 min Scan# 1430
Delta R.T. -0.03 min
Lab File: BG031814.D
Acq: 28 Dec 2017 2:49

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	170365
Ion Ratio	Lower	Upper	
136	100		
137	10.3	9.2	13.8
54	5.4	10.3	15.5#
68	3.4	4.5	6.7#

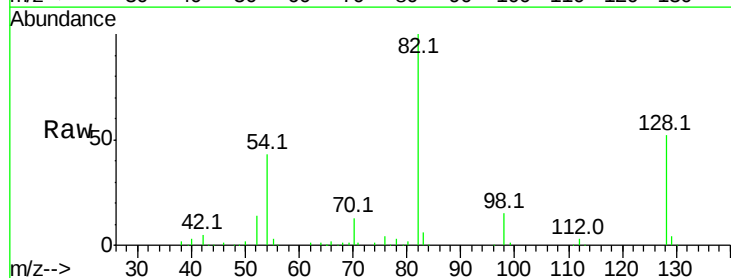


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

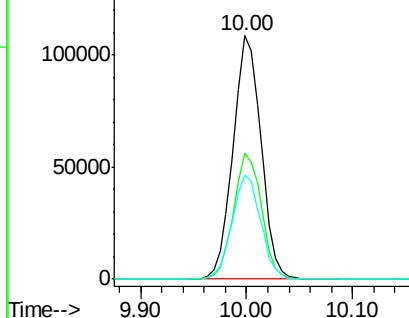
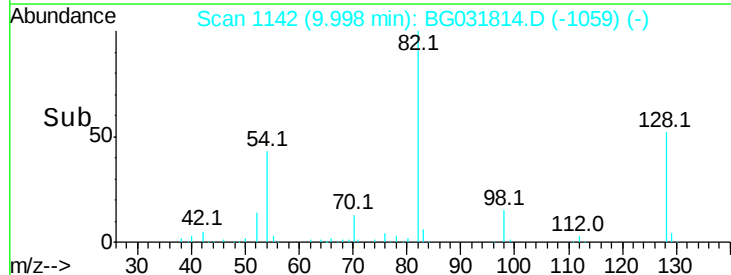


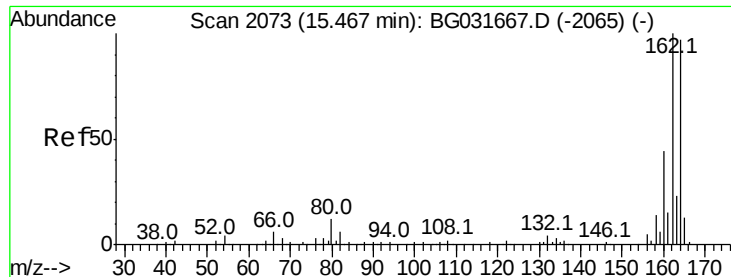
#23
Nitrobenzene-d5
Concen: 88.002 ng
RT: 10.00 min Scan# 1142
Delta R.T. -0.04 min
Lab File: BG031814.D
Acq: 28 Dec 2017 2:49

Tgt Ion:	82	Resp:	198544
Ion Ratio	Lower	Upper	
82	100		
128	51.7	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): BGC
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: BG031814.D

Acq: 28 Dec 2017 2:49

Instrument :

BNA_G

ClientSampleId :

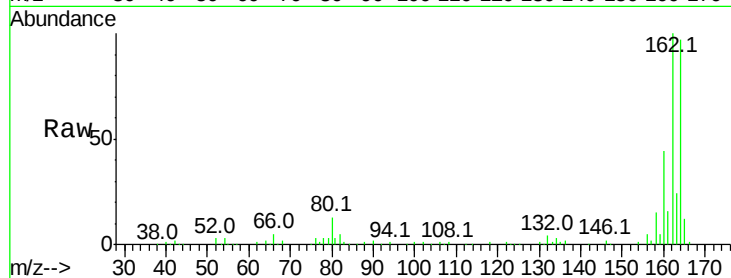
Tot Ion:164 Resp: 121544

Ion Ratio Lower Upper

164 100

162 103.3 78.8 118.2

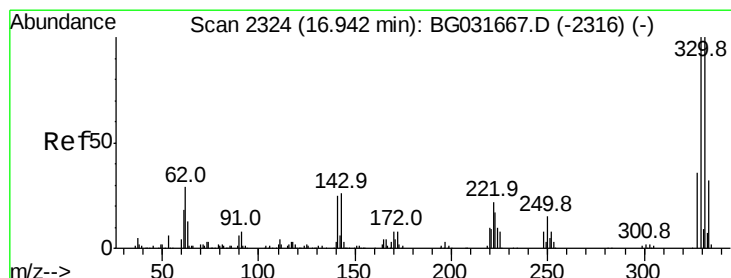
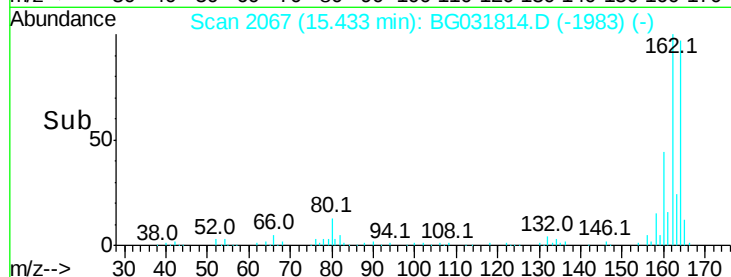
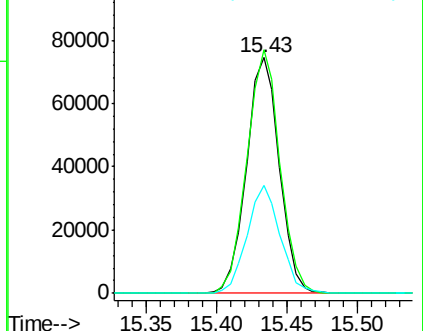
160 45.7 35.4 53.0



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: 90.973 ng

RT: 16.90 min Scan# 2317

Delta R.T. -0.04 min

Lab File: BG031814.D

Acq: 28 Dec 2017 2:49

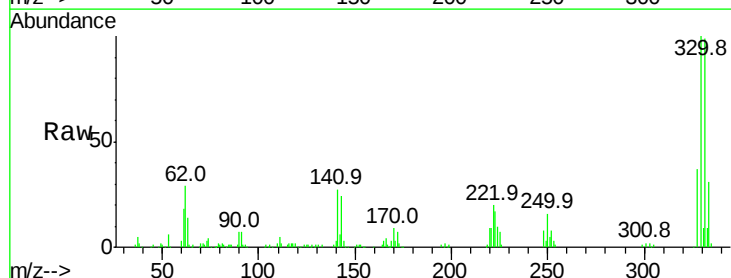
Tgt Ion:330 Resp: 168718

Ion Ratio Lower Upper

330 100

332 99.3 77.0 115.6

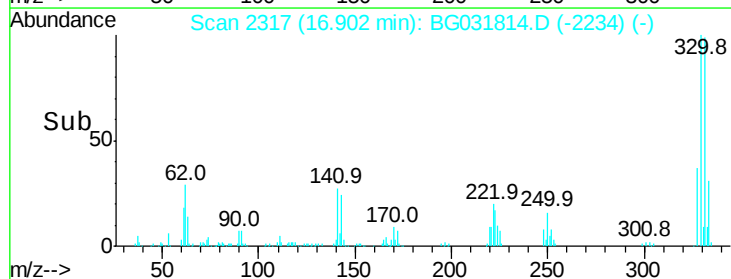
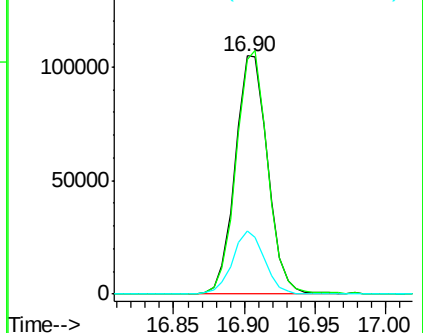
141 25.9 25.2 37.8



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

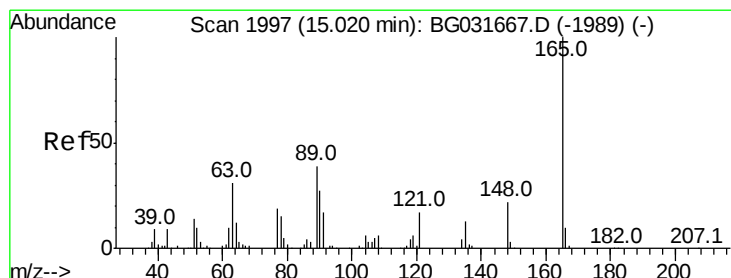
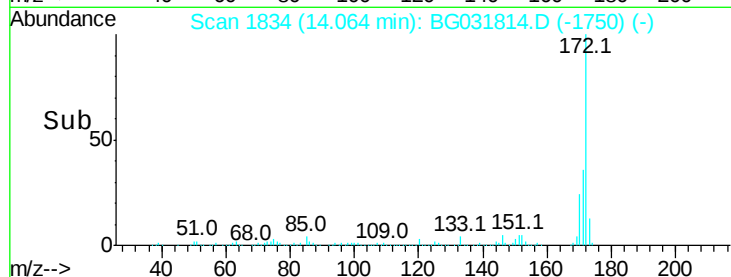
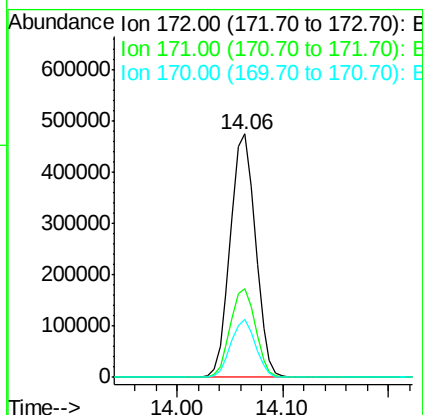
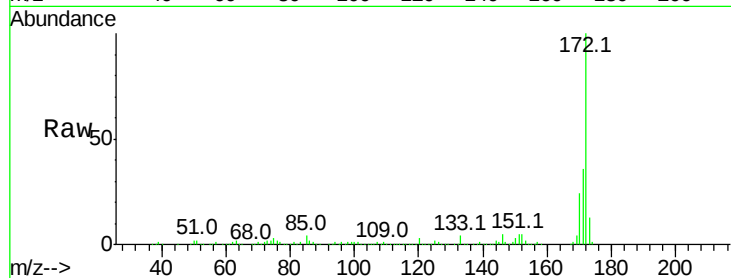




#44
2-Fluorobiphenyl
Concen: 80.562 ng
RT: 14.06 min Scan# 1834
Delta R.T. -0.03 min
Lab File: BG031814.D
Acq: 28 Dec 2017 2:49

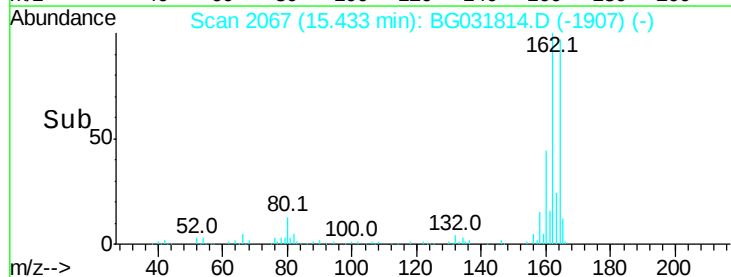
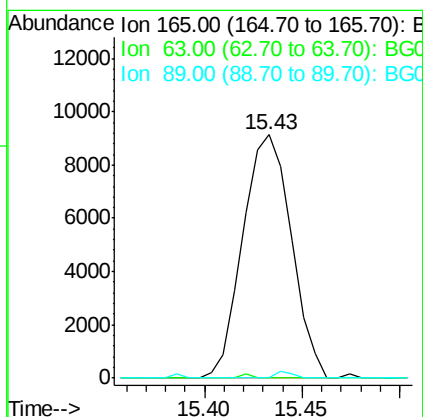
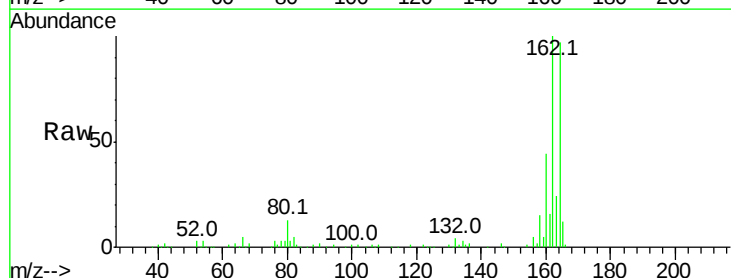
Instrument :
BNA_G
ClientSampleId :

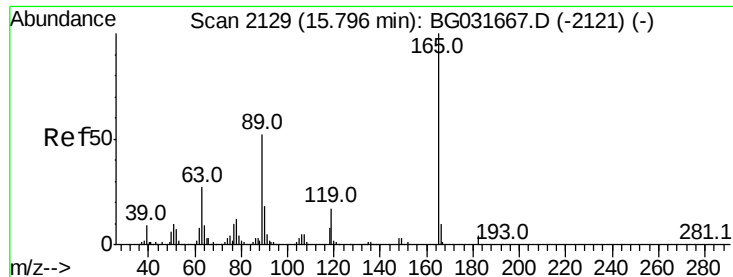
Tot Ion:172 Resp: 780143
Ion Ratio Lower Upper
172 100
171 36.5 30.0 45.0
170 24.0 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.989 ng
RT: 15.43 min Scan# 2067
Delta R.T. 0.41 min
Lab File: BG031814.D
Acq: 28 Dec 2017 2:49

Tgt Ion:165 Resp: 15737
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

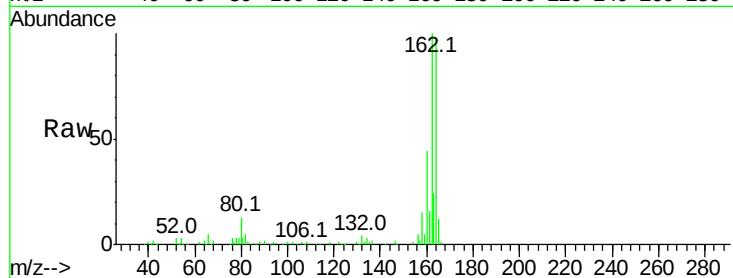




#56
2,4-Dinitrotoluene
Concen: 6.213 ng
RT: 15.43 min Scan# 2067
Delta R.T. -0.36 min
Lab File: BG031814.D
Acq: 28 Dec 2017 2:49

Instrument :
BNA_G
ClientSampled :

Tot 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#

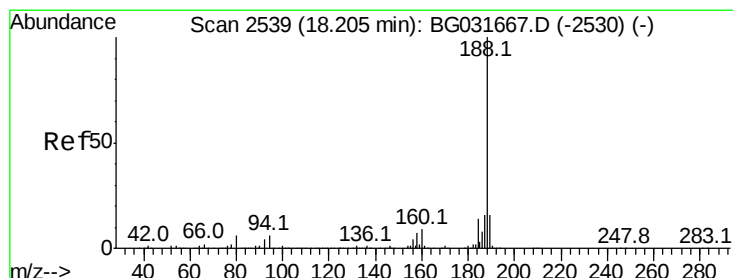
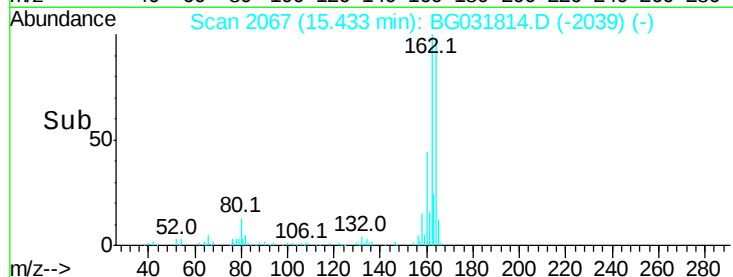
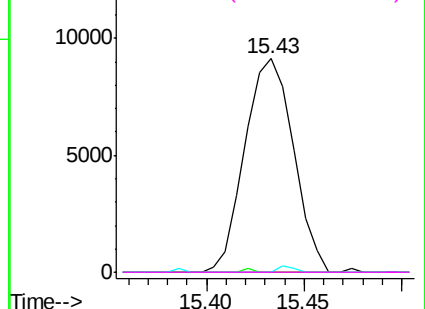


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

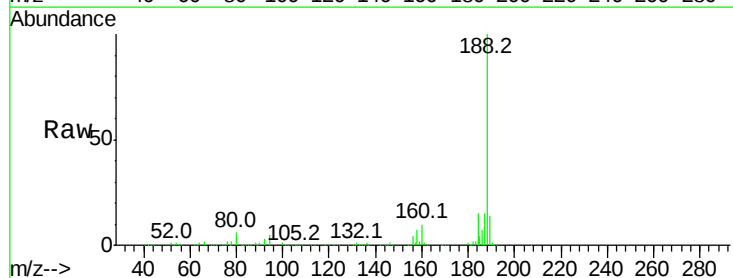
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.17 min Scan# 2532
Delta R.T. -0.04 min
Lab File: BG031814.D
Acq: 28 Dec 2017 2:49

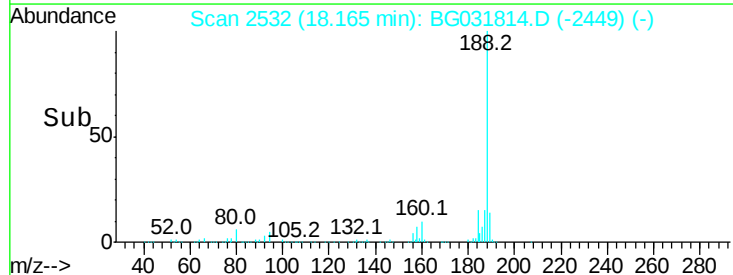
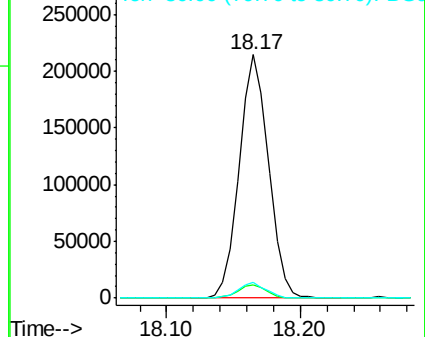
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.2	6.9	10.3#
80	6.3	7.7	11.5#

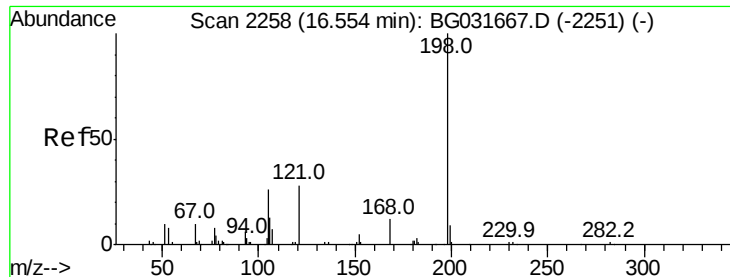


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.350 ng

RT: 16.90 min Scan# 2317

Delta R.T. 0.35 min

Lab File: BG031814.D

Acq: 28 Dec 2017 2:49

Instrument :

BNA_G

ClientSampleId :

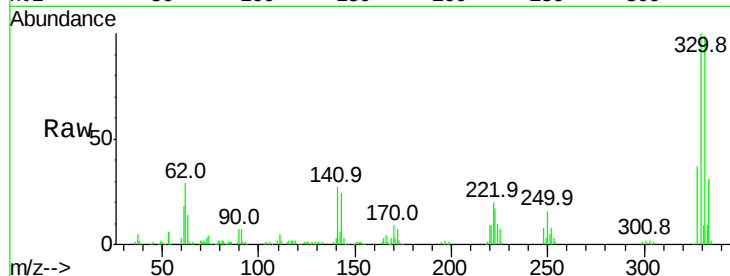
Tot Ion:198 Resp: 84

Ion Ratio Lower Upper

198 100

51 106.3 30.6 70.6#

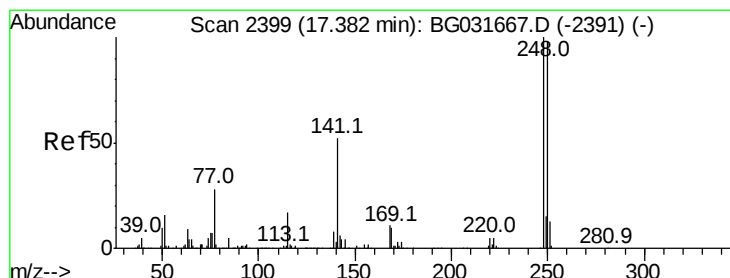
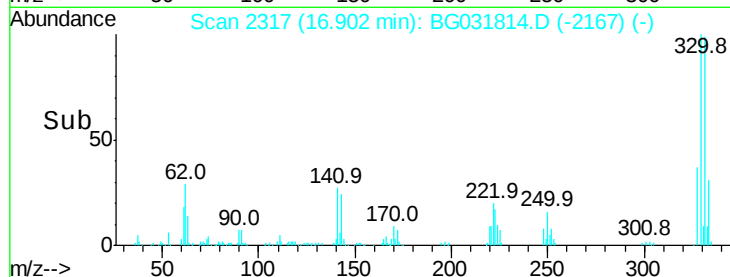
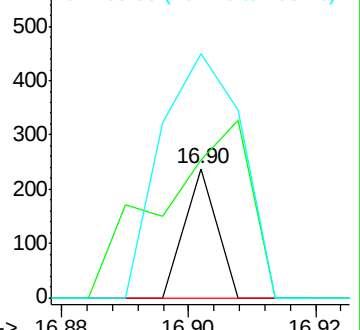
105 188.7 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 2.909 ng

RT: 16.90 min Scan# 2317

Delta R.T. -0.48 min

Lab File: BG031814.D

Acq: 28 Dec 2017 2:49

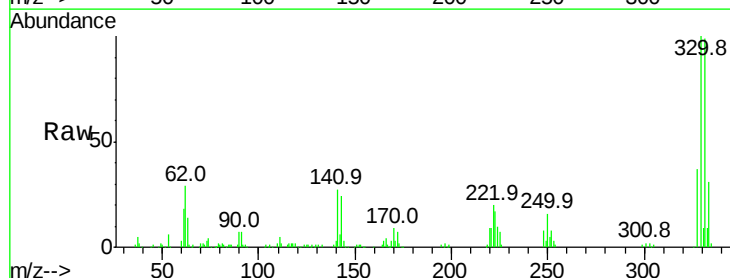
Tgt Ion:248 Resp: 13668

Ion Ratio Lower Upper

248 100

250 191.3 77.1 115.7#

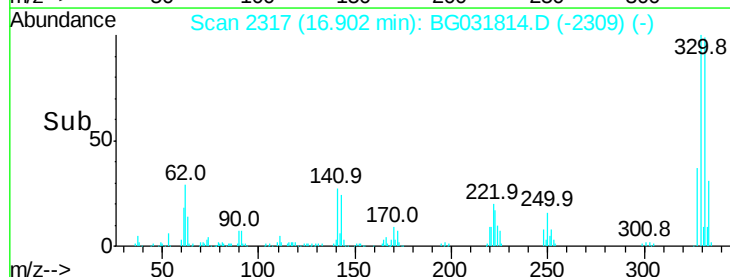
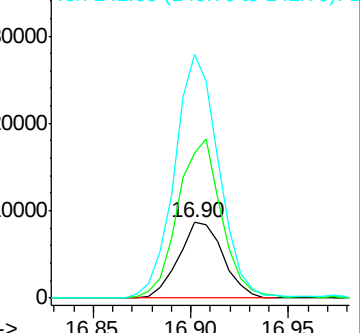
141 322.4 50.8 76.2#

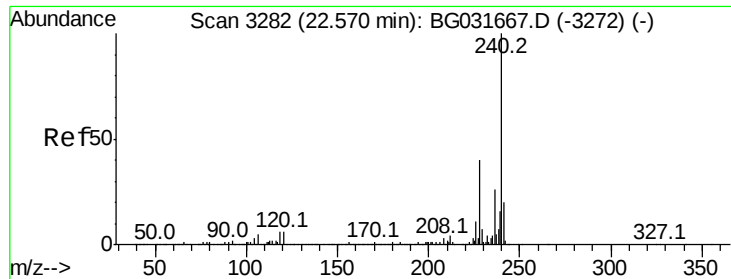


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

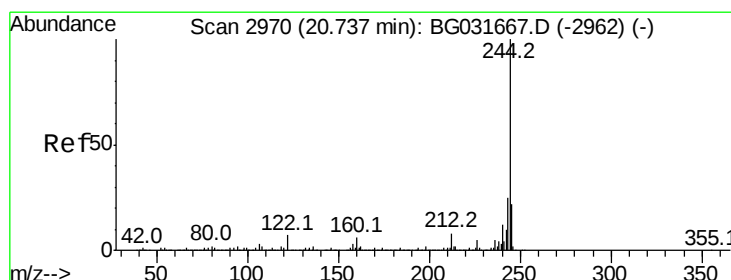
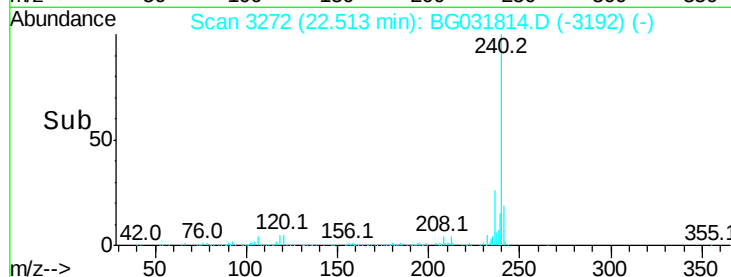
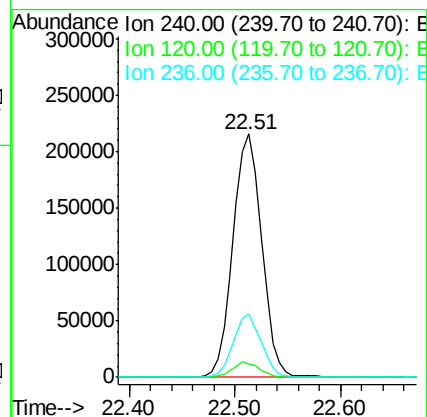
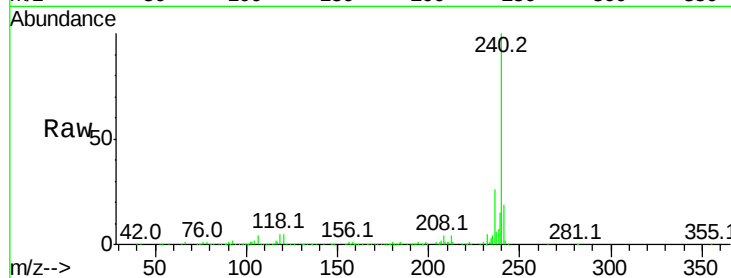




#75
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 22.51 min Scan# 3272
 Delta R.T. -0.06 min
 Lab File: BG031814.D
 Acq: 28 Dec 2017 2:49

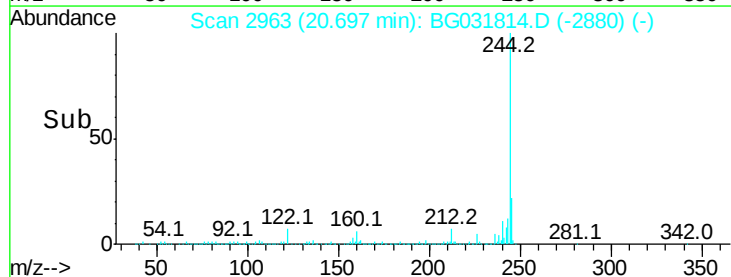
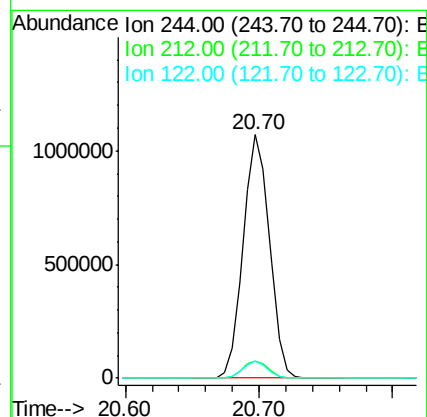
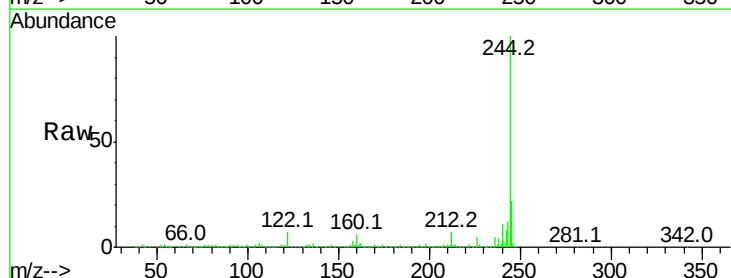
Instrument :
 BNA_G
 ClientSampleId :

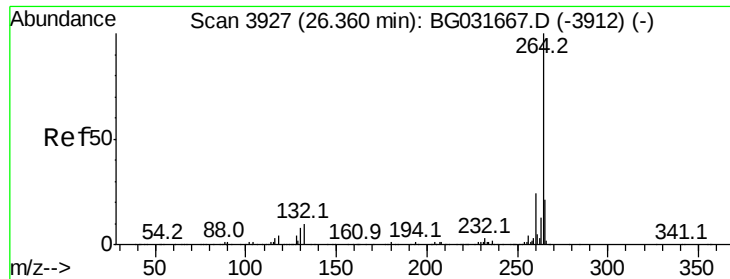
Tot Ion:240 Resp: 406741
 Ion Ratio Lower Upper
 240 100
 120 5.5 6.8 10.2#
 236 25.9 20.9 31.3



#78
 Terphenyl-d14
 Concen: 81.899 ng
 RT: 20.70 min Scan# 2963
 Delta R.T. -0.04 min
 Lab File: BG031814.D
 Acq: 28 Dec 2017 2:49

Tgt Ion:244 Resp: 1458059
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 6.8 7.0 10.4#

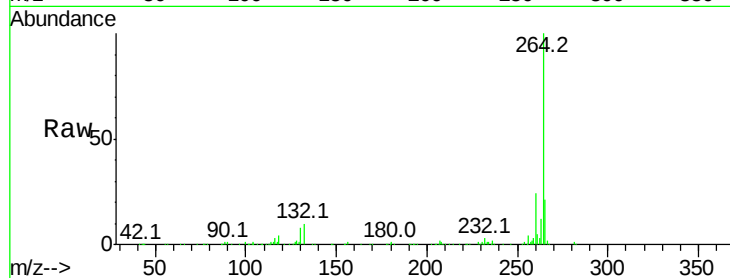




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.26 min Scan# 3910
Delta R.T. -0.10 min
Lab File: BG031814.D
Acq: 28 Dec 2017 2:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.4	26.0
265	21.4	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

