

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
 Data File : BG031682.D
 Acq On : 21 Dec 2017 20:36
 Operator : SJ/JU
 Sample : I6961-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 22 03:16:10 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 14:09:19 2017
 Response via : Initial Calibration

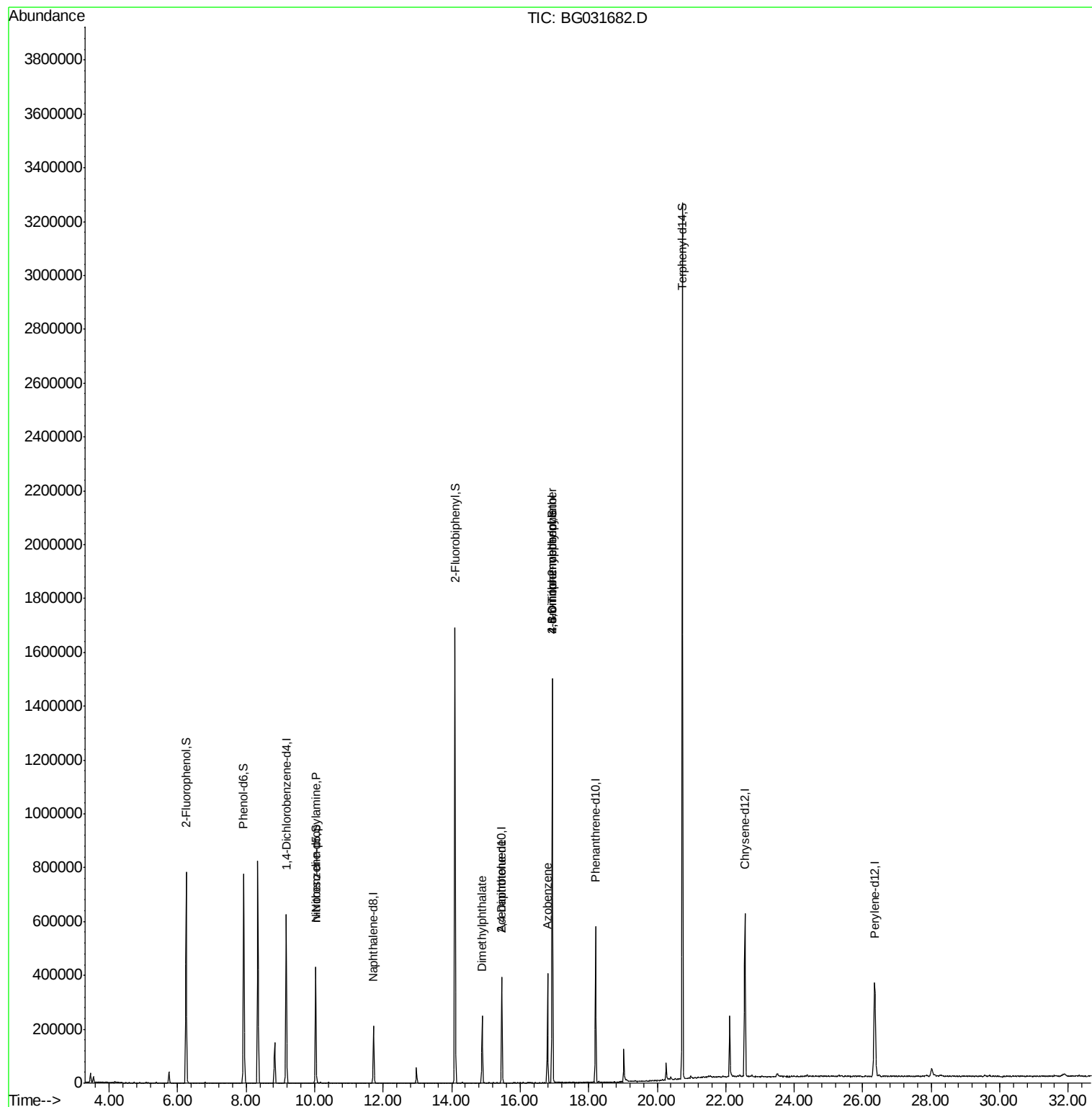
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.16	152	227516	20.00	ng	0.33
21) Naphthalene-d8	11.72	136	218057	20.00	ng	0.00
38) Acenaphthene-d10	15.46	164	151741	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	403125	20.00	ng	0.00
75) Chrysene-d12	22.56	240	469347	20.00	ng	0.00
86) Perylene-d12	26.35	264	490200	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	425421	34.06	ng	0.00
7) Phenol-d6	7.92	99	562144	34.66	ng	0.00
23) Nitrobenzene-d5	10.03	82	279051	96.63	ng	0.00
41) 2,4,6-Tribromophenol	16.94	330	362871	156.72	ng	0.00
44) 2-Fluorobiphenyl	14.09	172	1045070	86.44	ng	0.00
78) Terphenyl-d14	20.73	244	1784831	86.88	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.03	70	36736	3.317	ng	Qvalue # 72
49) Dimethylphthalate	14.89	163	196073	14.668	ng	# 99
56) 2,4-Dinitrotoluene	15.46	165	19286	6.099	ng	# 16
62) Azobenzene	16.80	77	100970	12.084	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.94	198	855	8.666	ng	# 39
66) 4-Bromophenyl-phenylether	16.94	248	28776	4.936	ng	# 1

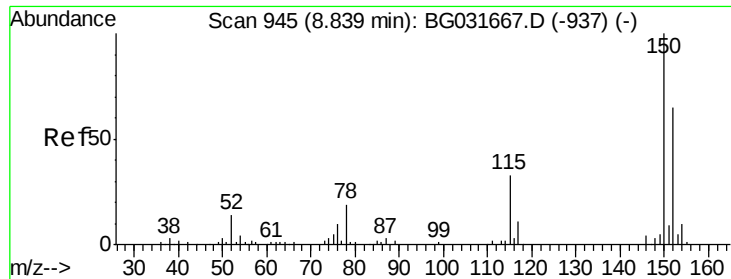
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
Data File : BG031682.D
Acq On : 21 Dec 2017 20:36
Operator : SJ/JU
Sample : I6961-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Dec 22 03:16:10 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 14:09:19 2017
Response via : Initial Calibration

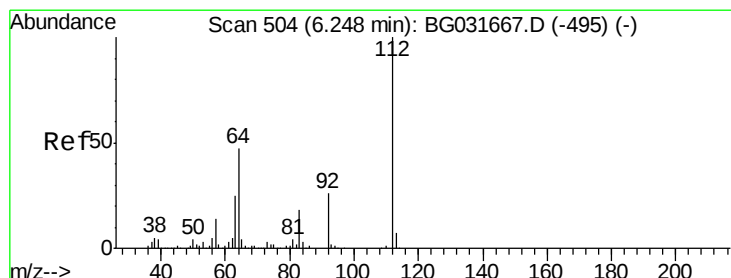
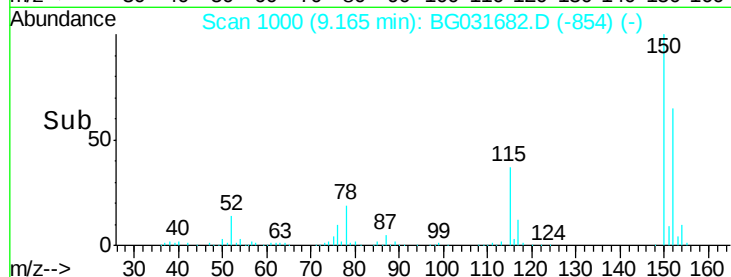
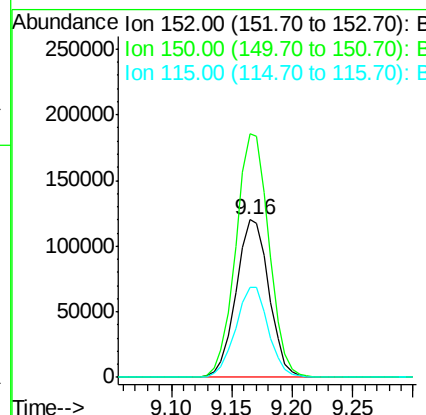
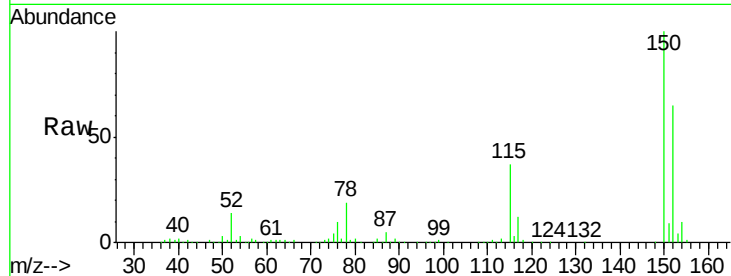




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 9.16 min Scan# 1000
 Delta R.T. 0.33 min
 Lab File: BG031682.D
 Acq: 21 Dec 2017 20:36

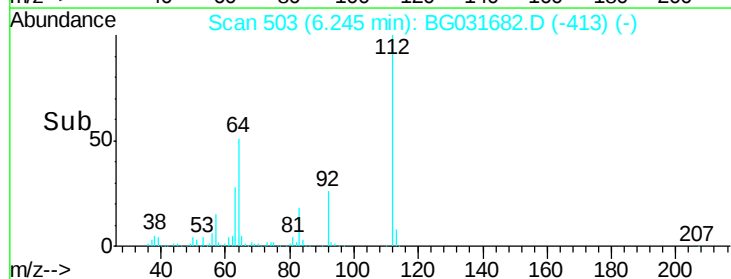
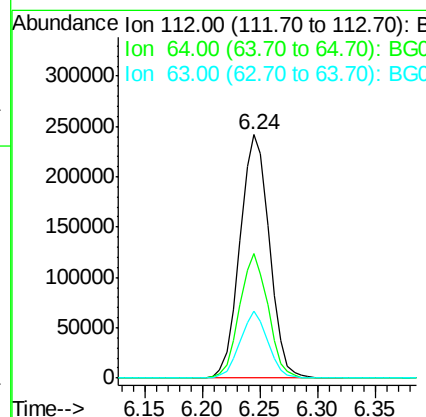
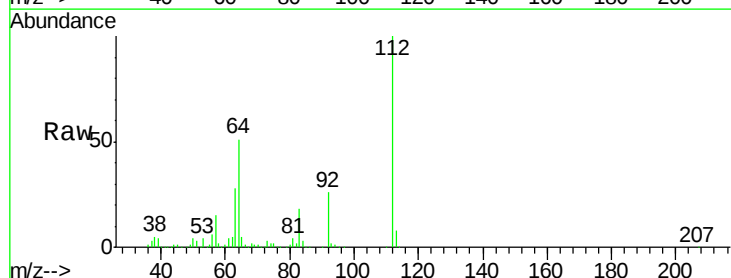
Instrument :
 BNA_G
 ClientSampleId :

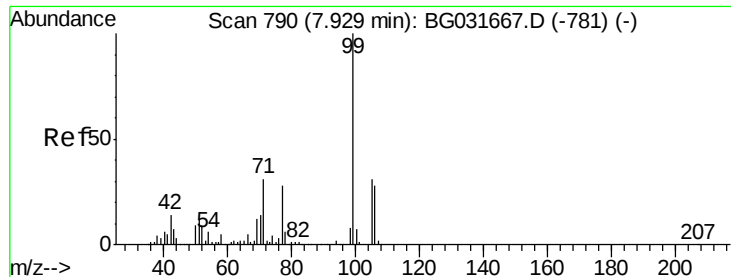
Tot Ion:152 Resp: 227516
 Ion Ratio Lower Upper
 152 100
 150 154.7 126.6 189.8
 115 57.4 53.0 79.4



#5
 2-Fluorophenol
 Concen: 34.057 ng
 RT: 6.24 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: BG031682.D
 Acq: 21 Dec 2017 20:36

Tgt Ion:112 Resp: 425421
 Ion Ratio Lower Upper
 112 100
 64 51.4 56.3 84.5#
 63 27.5 30.1 45.1#





#7

Phenol-d6

Concen: 34.662 ng

RT: 7.92 min Scan# 789

Delta R.T. -0.00 min

Lab File: BG031682.D

Acq: 21 Dec 2017 20:36

Instrument :

BNA_G

ClientSampleId :

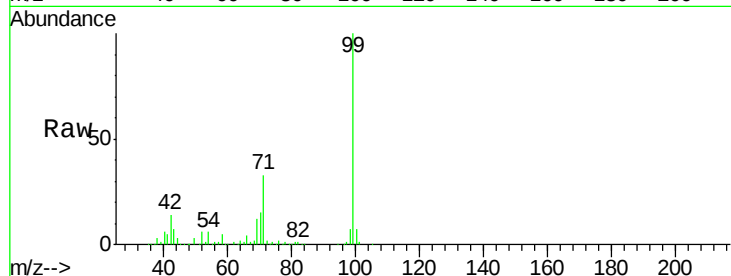
Tot Ion: 99 Resp: 562144

Ion Ratio Lower Upper

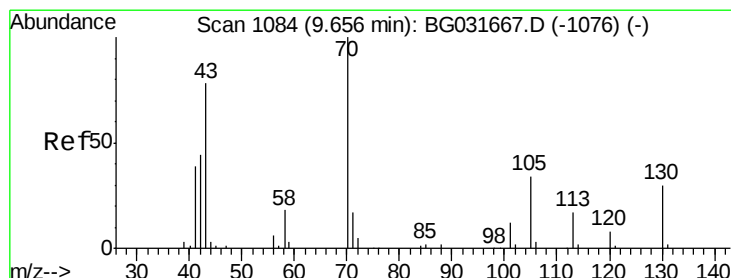
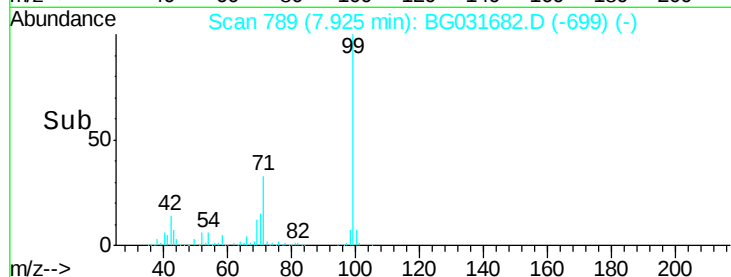
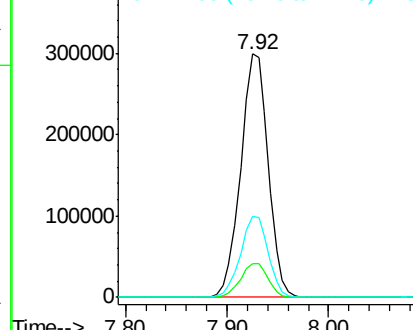
99 100

42 13.8 14.1 21.1#

71 33.1 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: 3.317 ng

RT: 10.03 min Scan# 1147

Delta R.T. 0.37 min

Lab File: BG031682.D

Acq: 21 Dec 2017 20:36

Tgt Ion: 70 Resp: 36736

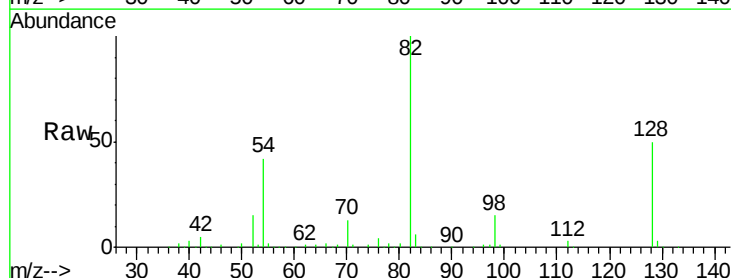
Ion Ratio Lower Upper

70 100

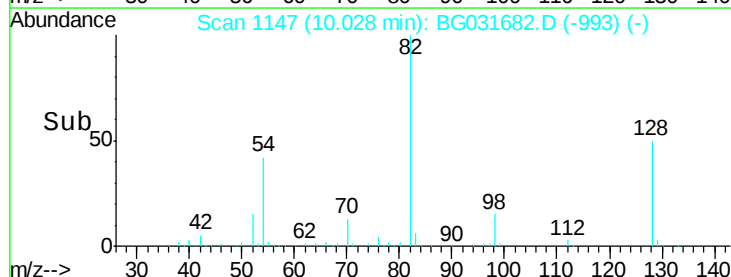
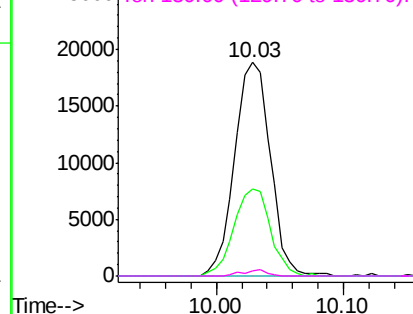
42 41.0 49.1 73.7#

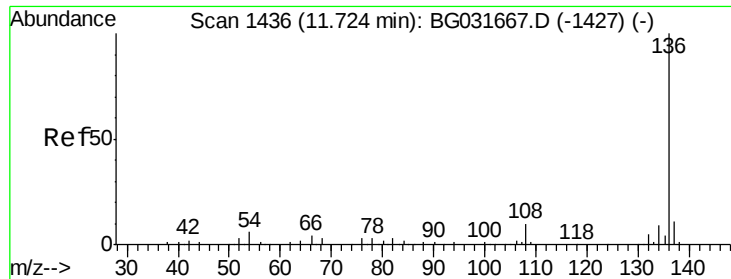
101 0.0 8.5 12.7#

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

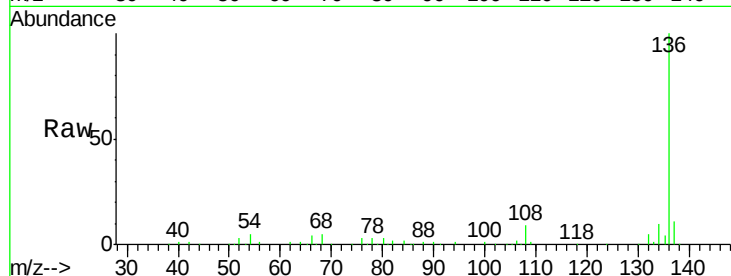




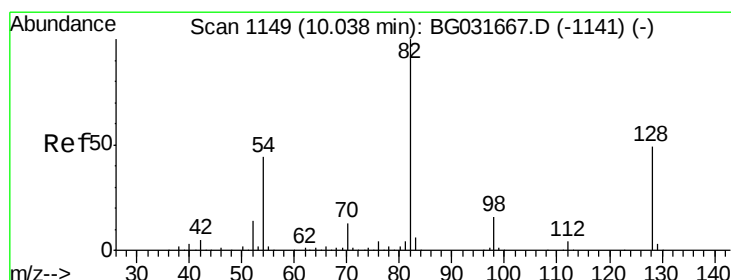
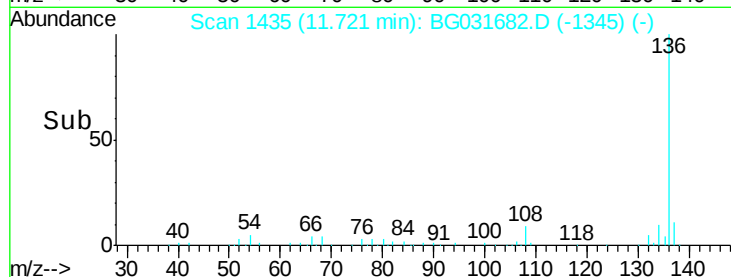
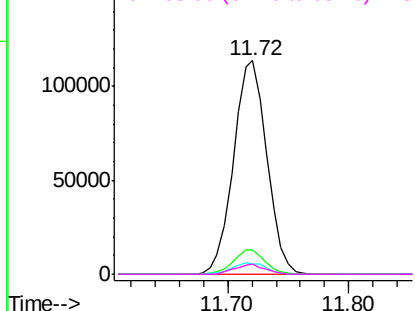
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.72 min Scan# 1435
Delta R.T. -0.00 min
Lab File: BG031682.D
Acq: 21 Dec 2017 20:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	218057
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.2 13.8
54	5.1	10.3 15.5#
68	4.6	4.5 6.7

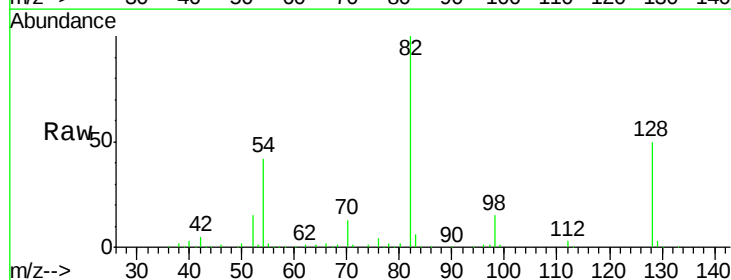


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

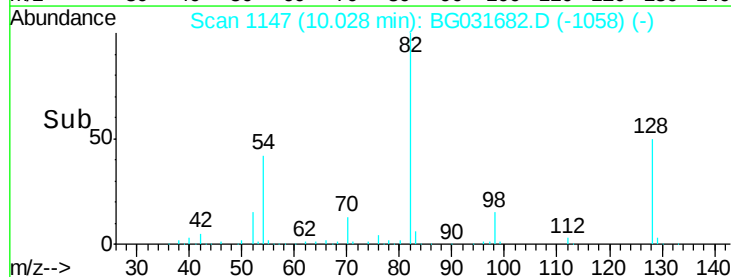
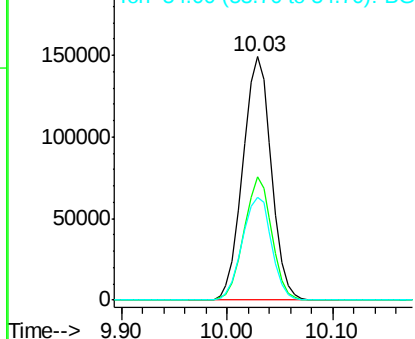


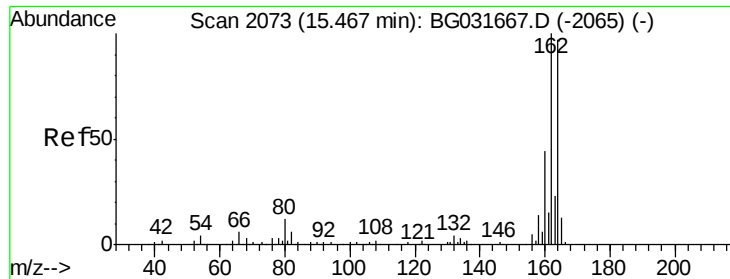
#23
Nitrobenzene-d5
Concen: 96.634 ng
RT: 10.03 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BG031682.D
Acq: 21 Dec 2017 20:36

Tgt Ion: 82	Resp:	279051
Ion Ratio	Lower	Upper
82	100	
128	50.4	29.7 44.5#
54	42.3	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: 15.46 min Scan# 2072

Delta R.T. -0.00 min

Lab File: BG031682.D

Acq: 21 Dec 2017 20:36

Instrument :

BNA_G

ClientSampled :

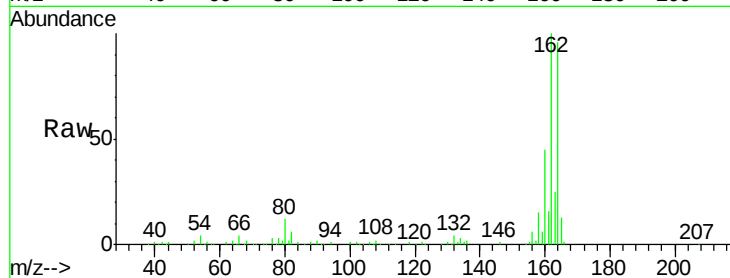
Tot Ion:164 Resp: 151741

Ion Ratio Lower Upper

164 100

162 104.5 78.8 118.2

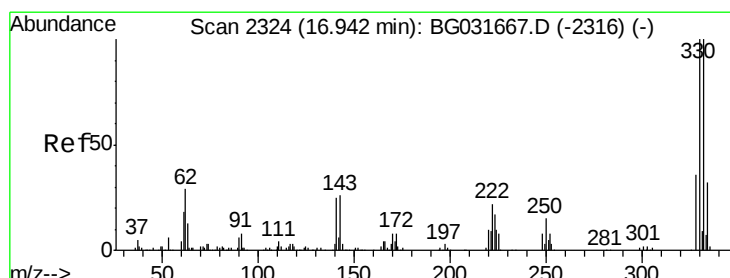
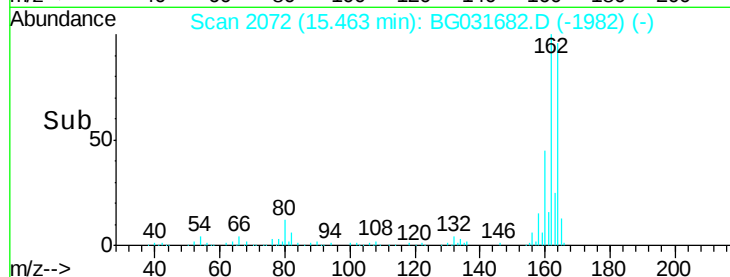
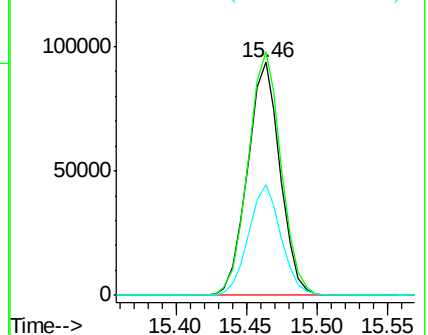
160 47.4 35.4 53.0



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: 156.724 ng

RT: 16.94 min Scan# 2323

Delta R.T. -0.00 min

Lab File: BG031682.D

Acq: 21 Dec 2017 20:36

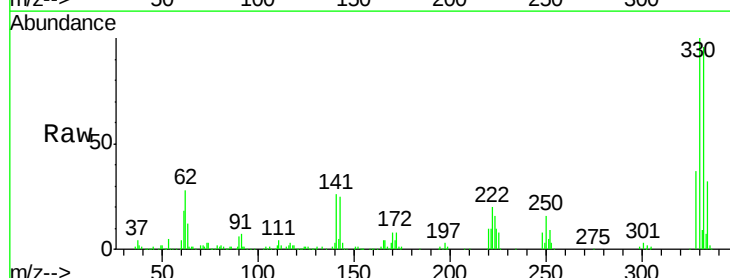
Tgt Ion:330 Resp: 362871

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

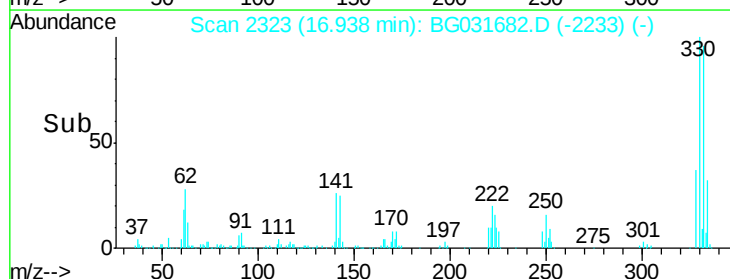
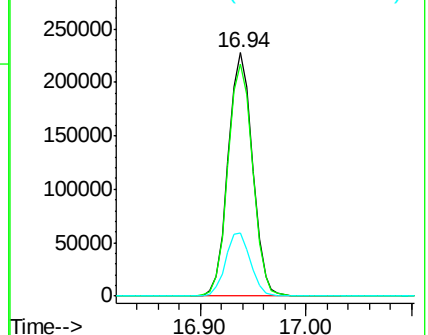
141 26.5 25.2 37.8

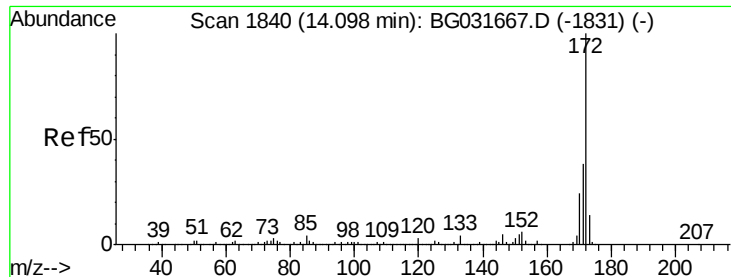


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

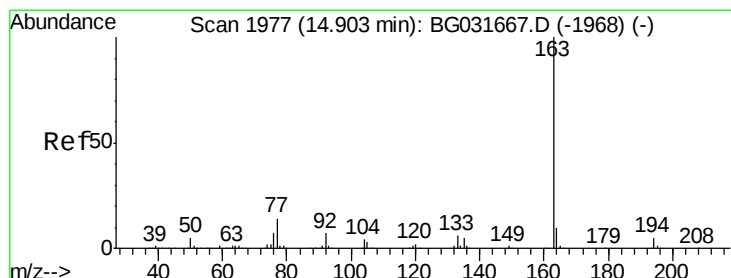
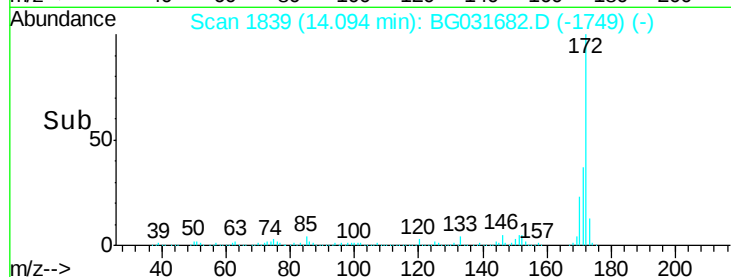
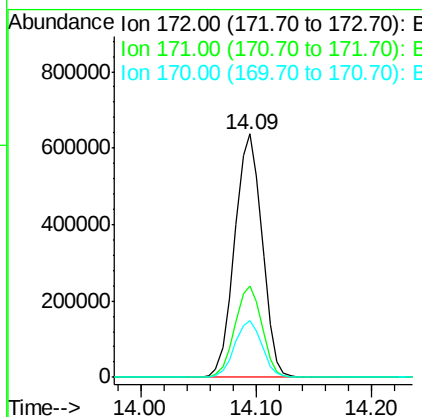
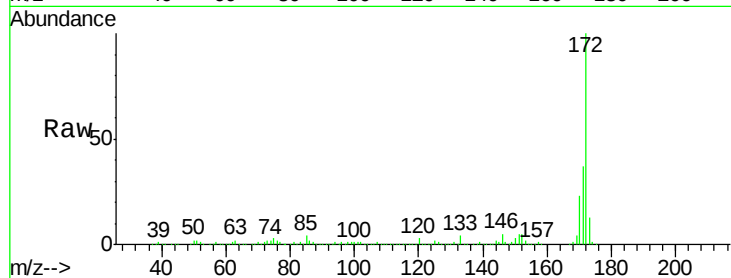




#44
2-Fluorobiphenyl
Concen: 86.444 ng
RT: 14.09 min Scan# 1839
Delta R.T. -0.00 min
Lab File: BG031682.D
Acq: 21 Dec 2017 20:36

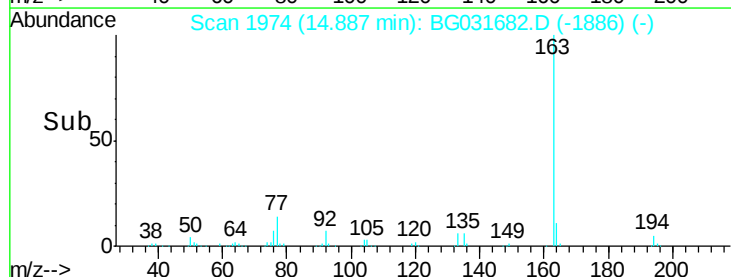
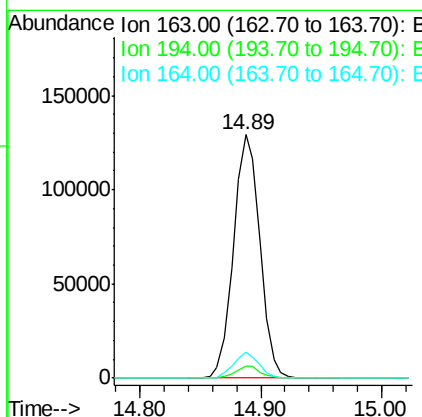
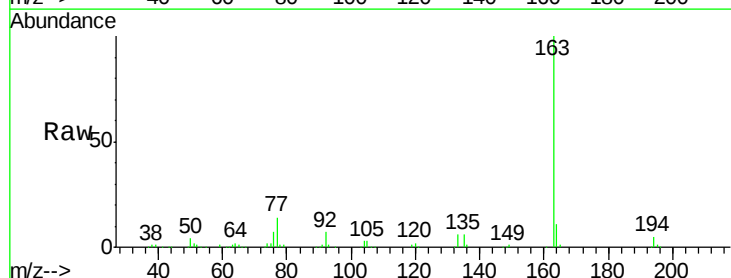
Instrument :
BNA_G
ClientSampleId :

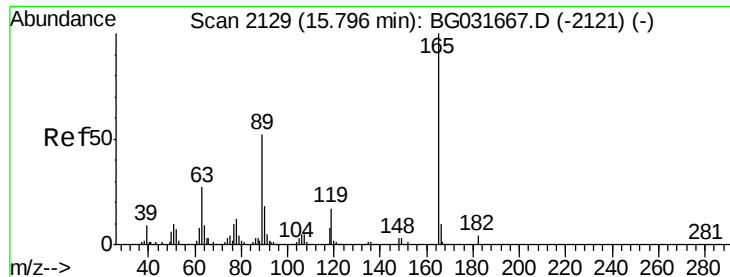
Tot Ion:172 Resp: 1045070
Ion Ratio Lower Upper
172 100
171 37.3 30.0 45.0
170 23.5 19.5 29.3



#49
Dimethylphthalate
Concen: 14.668 ng
RT: 14.89 min Scan# 1974
Delta R.T. -0.02 min
Lab File: BG031682.D
Acq: 21 Dec 2017 20:36

Tgt Ion:163 Resp: 196073
Ion Ratio Lower Upper
163 100
194 5.1 3.4 5.2
164 10.6 8.2 12.4

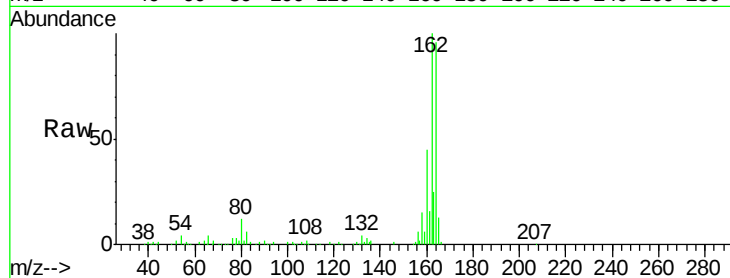




#56
2,4-Dinitrotoluene
Concen: 6.099 ng
RT: 15.46 min Scan# 2072
Delta R.T. -0.33 min
Lab File: BG031682.D
Acq: 21 Dec 2017 20:36

Instrument :
BNA_G
ClientSampleId :

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#



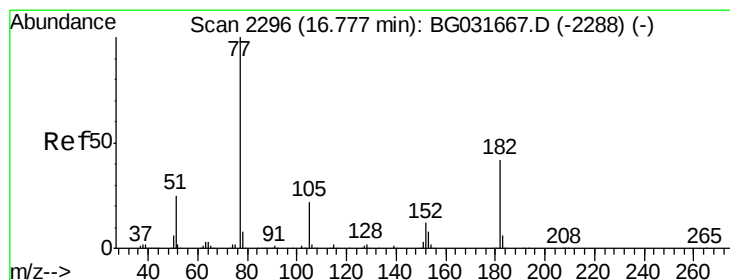
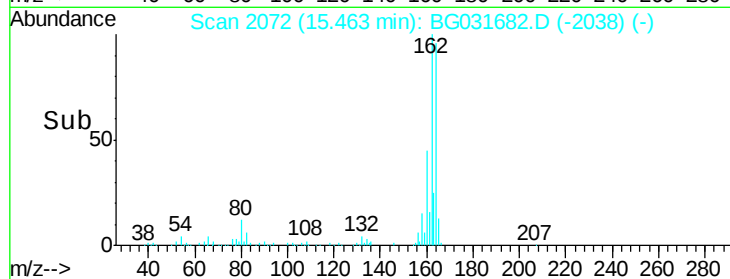
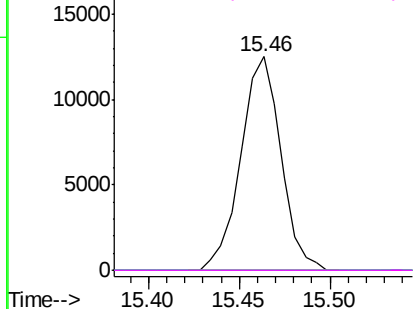
Abundance

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



#62
Azobenzene
Concen: 12.084 ng
RT: 16.80 min Scan# 2299
Delta R.T. 0.02 min
Lab File: BG031682.D
Acq: 21 Dec 2017 20:36

Tgt Ion	Ratio	Lower	Upper
77	100		
182	137.8	7.4	47.4#
105	176.8	0.3	40.3#
51	34.8	11.6	51.6

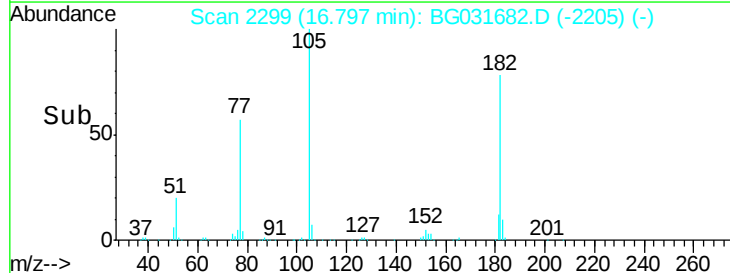
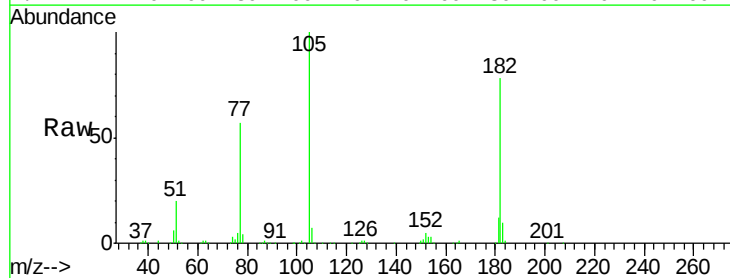
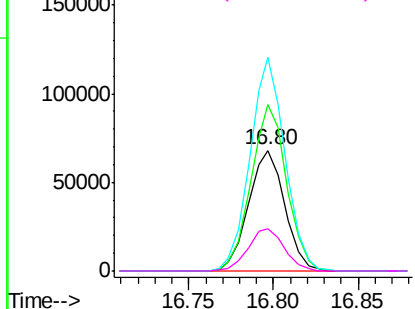
Abundance

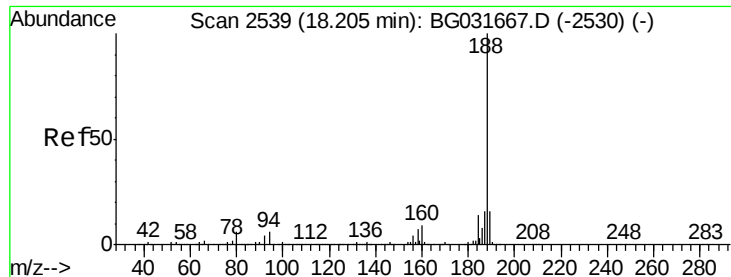
Ion 77.00 (76.70 to 77.70): BGC

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

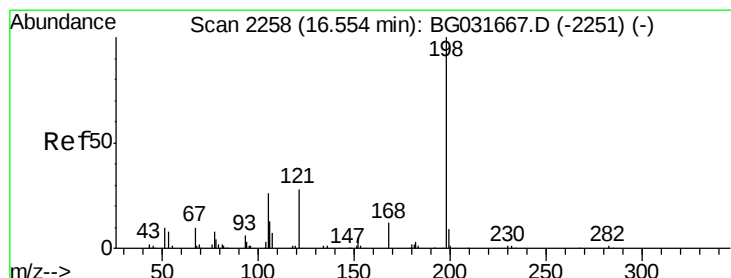
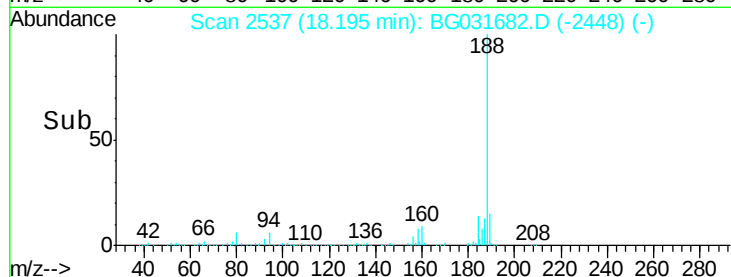
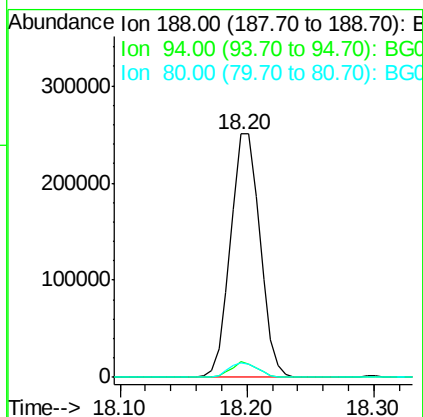
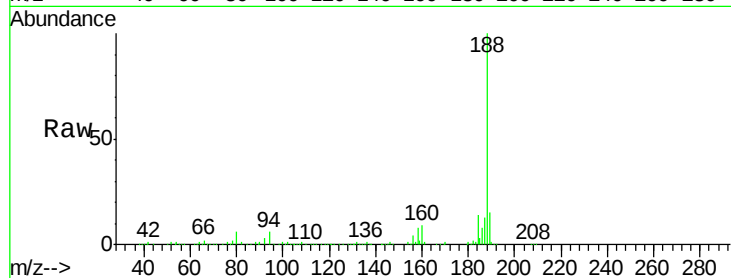




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.20 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BG031682.D
Acq: 21 Dec 2017 20:36

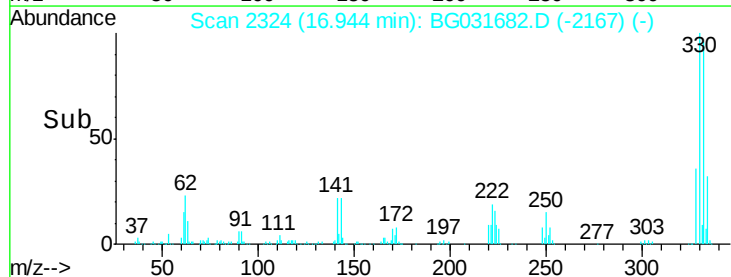
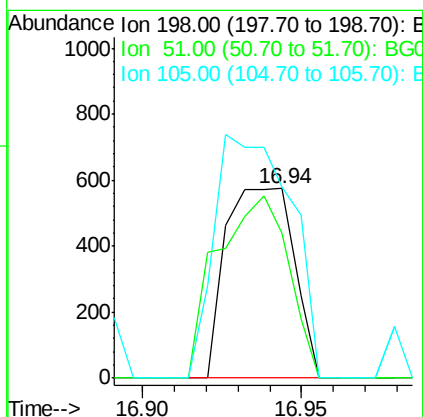
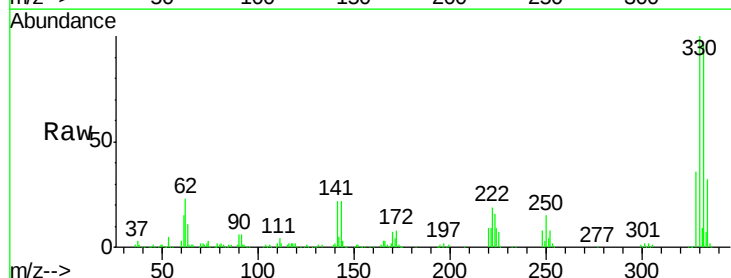
Instrument :
BNA_G
ClientSampleId :

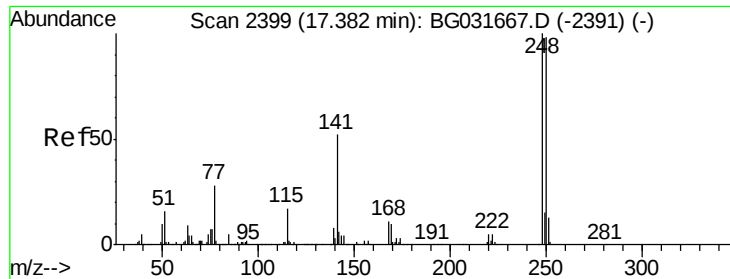
Tot Ion:188 Resp: 403125
Ion Ratio Lower Upper
188 100
94 6.2 6.9 10.3#
80 5.8 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.666 ng
RT: 16.94 min Scan# 2324
Delta R.T. 0.39 min
Lab File: BG031682.D
Acq: 21 Dec 2017 20:36

Tgt Ion:198 Resp: 855
Ion Ratio Lower Upper
198 100
51 76.5 30.6 70.6#
105 100.7 23.8 63.8#

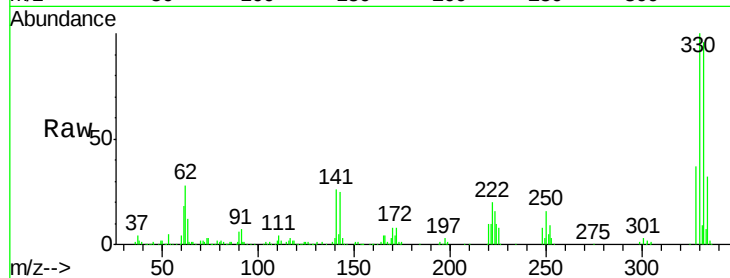




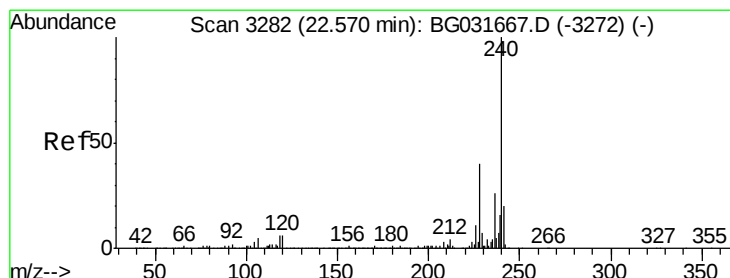
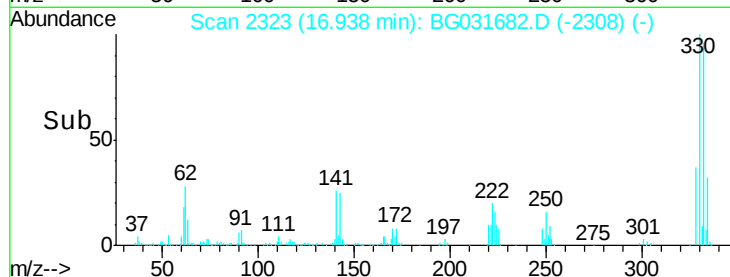
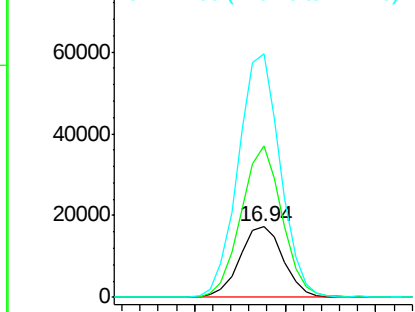
#66
4-Bromophenyl-phenylether
Concen: 4.936 ng
RT: 16.94 min Scan# 2323
Delta R.T. -0.44 min
Lab File: BG031682.D
Acq: 21 Dec 2017 20:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 28776
Ion Ratio Lower Upper
248 100
250 213.7 77.1 115.7#
141 344.2 50.8 76.2#

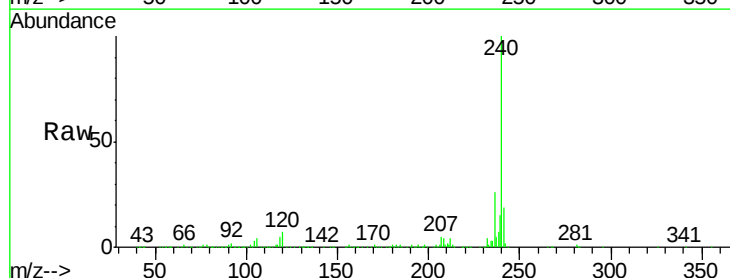


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

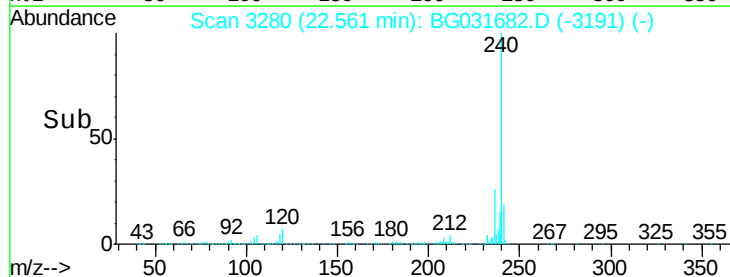
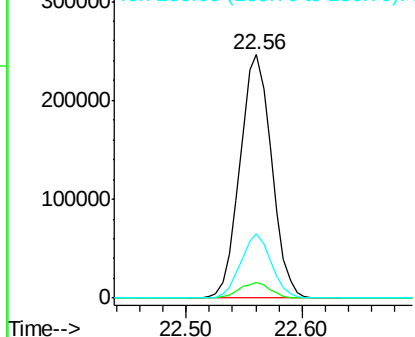


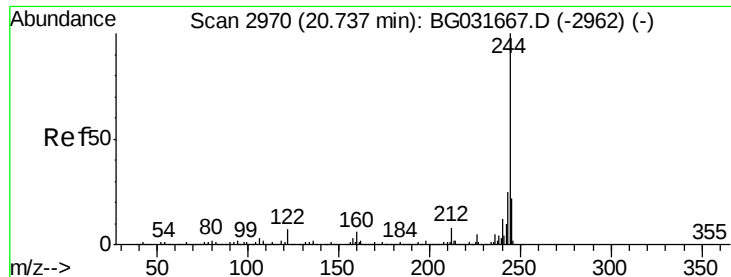
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.56 min Scan# 3280
Delta R.T. -0.01 min
Lab File: BG031682.D
Acq: 21 Dec 2017 20:36

Tgt Ion:240 Resp: 469347
Ion Ratio Lower Upper
240 100
120 6.5 6.8 10.2#
236 26.3 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: 86.881 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG031682.D

Acq: 21 Dec 2017 20:36

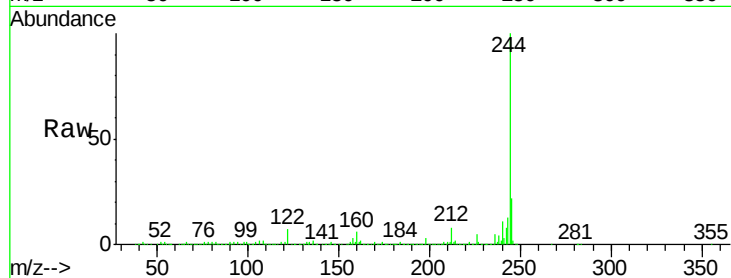
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1784831

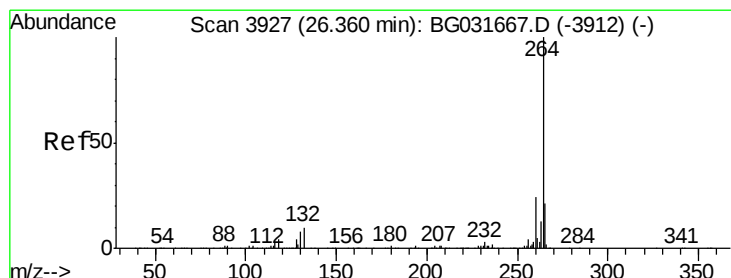
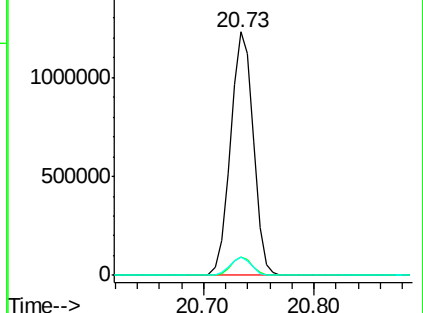
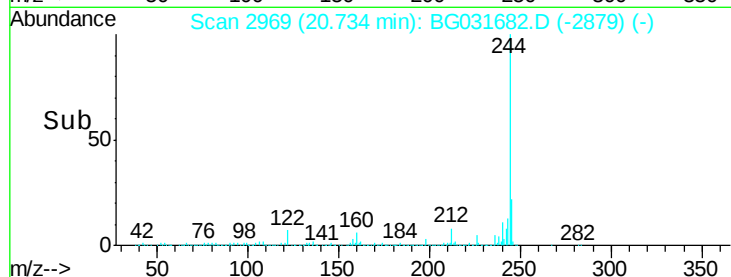
Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.8
122	7.5	7.0	10.4



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: 26.35 min Scan# 3925

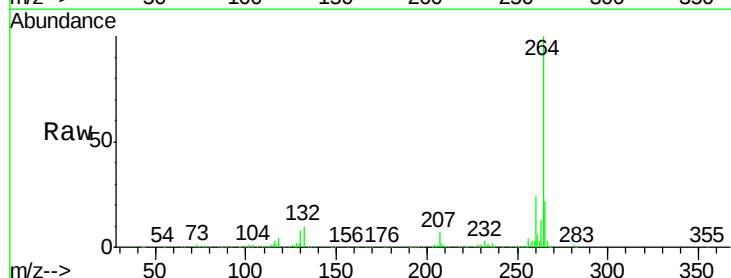
Delta R.T. -0.01 min

Lab File: BG031682.D

Acq: 21 Dec 2017 20:36

Tgt Ion:264 Resp: 490200

Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	22.0	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

