

Data Path : U:\HPCHEM1\BNA G\DATA\BG010518\
 Data File : BG031940.D
 Acq On : 5 Jan 2018 19:45
 Operator : SJ/JU
 Sample : J1012-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 05 23:12:45 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 05 15:31:34 2018
 Response via : Initial Calibration

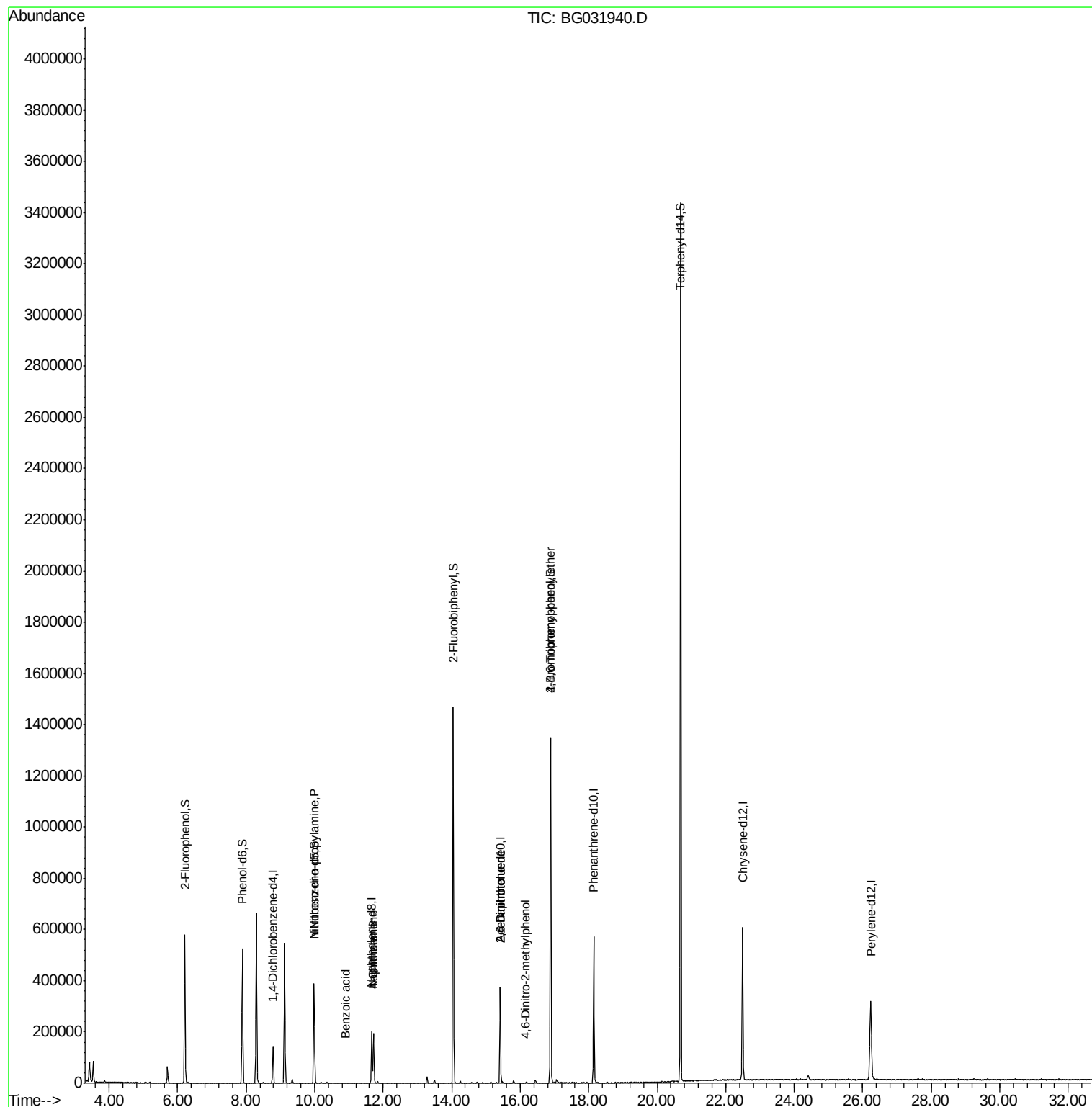
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	49000	20.00	ng	0.00
21) Naphthalene-d8	11.67	136	201888	20.00	ng	0.00
38) Acenaphthene-d10	15.42	164	144966	20.00	ng	-0.01
63) Phenanthrene-d10	18.15	188	393480	20.00	ng	-0.01
75) Chrysene-d12	22.49	240	449983	20.00	ng	-0.03
86) Perylene-d12	26.23	264	445358	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	311869	115.93	ng	0.00
7) Phenol-d6	7.89	99	371913	106.48	ng	0.00
23) Nitrobenzene-d5	9.98	82	253518	94.82	ng	0.00
41) 2,4,6-Tribromophenol	16.89	330	328551	148.53	ng	-0.01
44) 2-Fluorobiphenyl	14.04	172	907638	78.58	ng	-0.01
78) Terphenyl-d14	20.68	244	1846392	93.74	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.98	70	33164	13.903	ng	# 75
31) Naphthalene	11.72	128	187609	18.413	ng	# 97
32) Benzoic acid	10.91	122	183	6.771	ng	# 1
33) 4-Chloroaniline	11.72	127	25634	5.651	ng	# 27
50) 2,6-Dinitrotoluene	15.41	165	18625	7.928	ng	# 20
56) 2,4-Dinitrotoluene	15.41	165	18625	6.165	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.14	198	62	8.333	ng	# 29
66) 4-Bromophenyl-phenylether	16.89	248	26608	4.676	ng	# 1

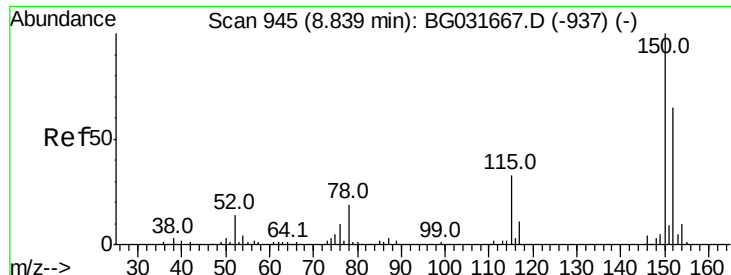
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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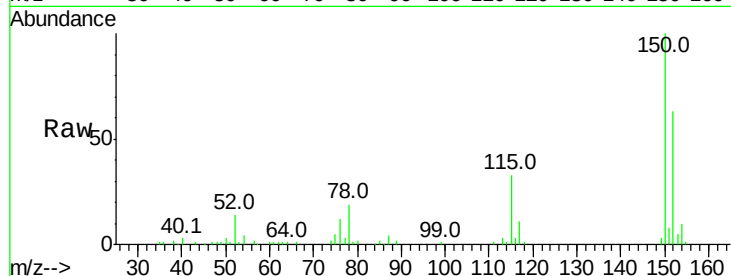


#1

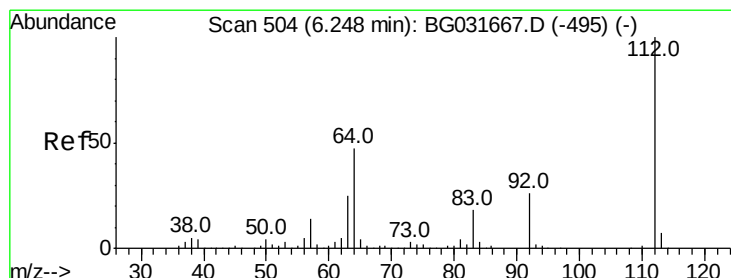
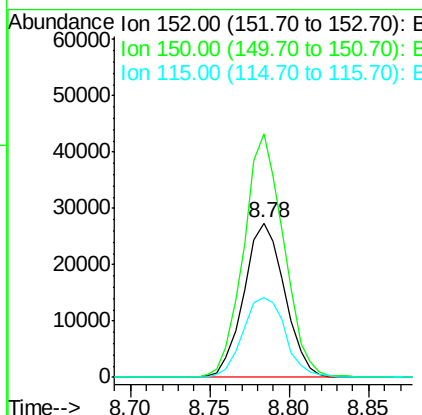
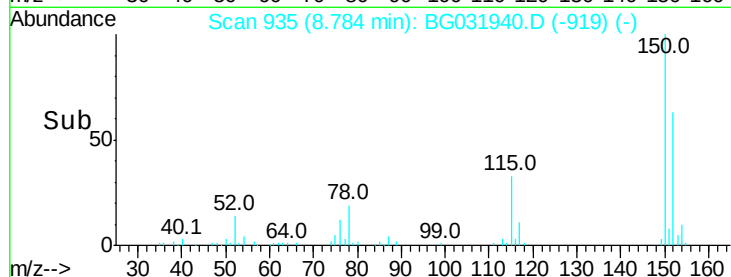
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.78 min Scan# 935
Delta R.T. -0.01 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	126.6	189.8
115	51.6	53.0	79.4



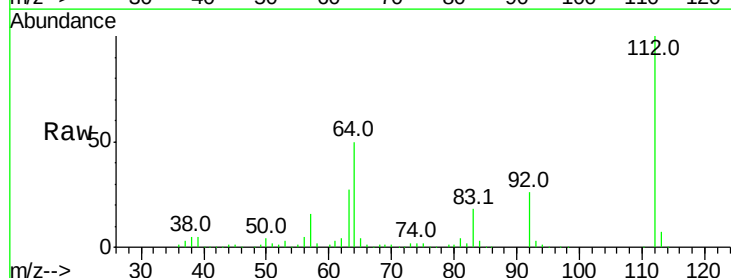
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



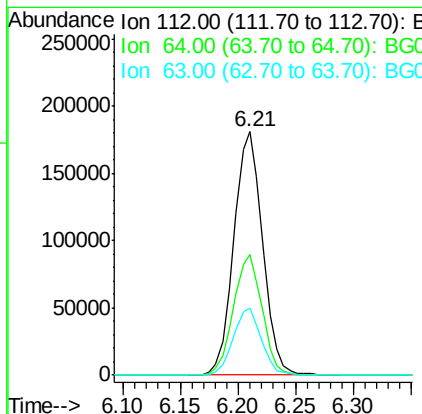
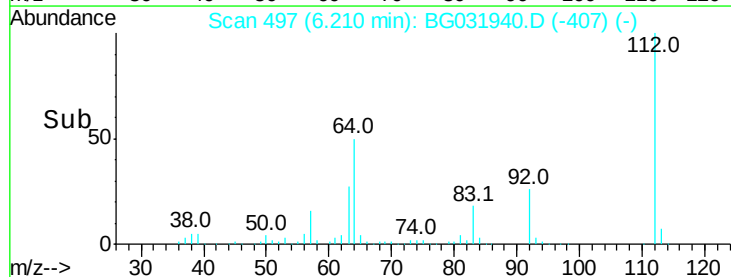
#5

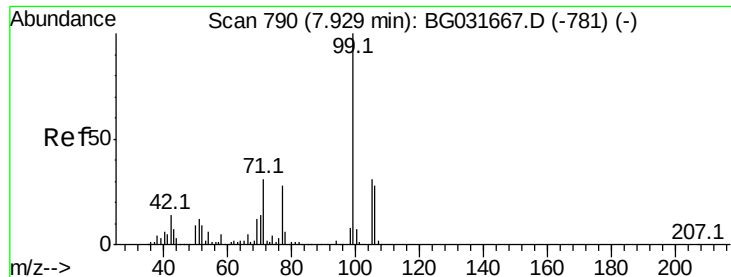
2-Fluorophenol
Concen: 115.925 ng
RT: 6.21 min Scan# 497
Delta R.T. 0.00 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.8	56.3	84.5
63	27.4	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 106.478 ng

RT: 7.89 min Scan# 783

Delta R.T. 0.00 min

Lab File: BG031940.D

Acq: 5 Jan 2018 19:45

Instrument :

BNA_G

ClientSampled :

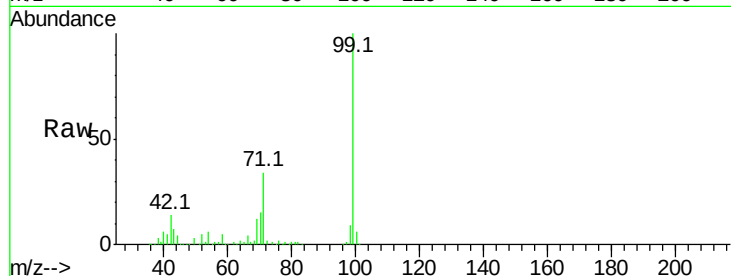
Tot Ion: 99 Resp: 371913

Ion Ratio Lower Upper

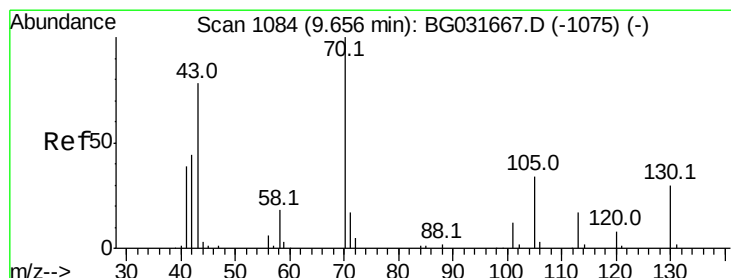
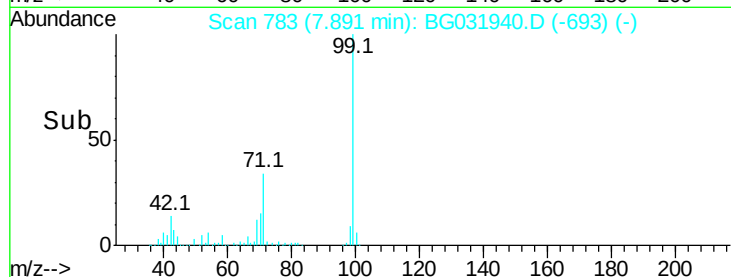
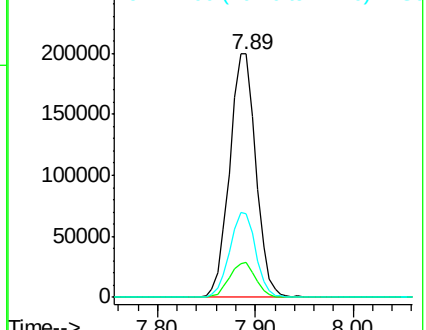
99 100

42 14.5 14.1 21.1

71 34.1 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: 13.903 ng

RT: 9.98 min Scan# 1138

Delta R.T. 0.37 min

Lab File: BG031940.D

Acq: 5 Jan 2018 19:45

Tgt Ion: 70 Resp: 33164

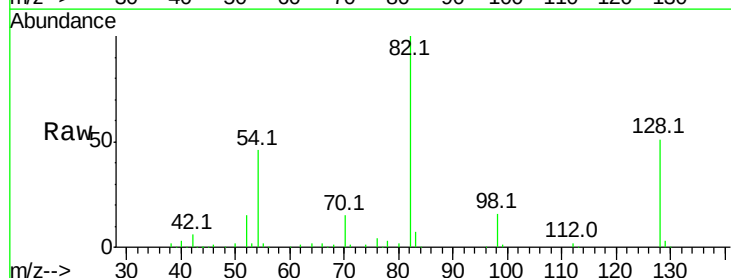
Ion Ratio Lower Upper

70 100

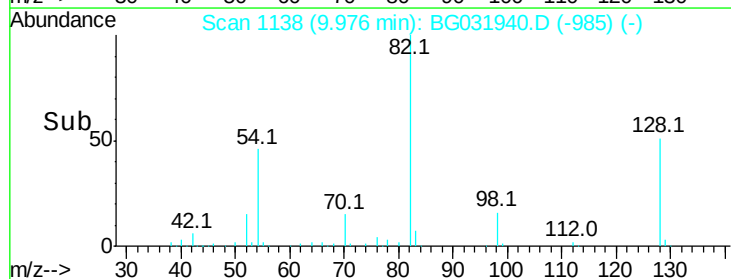
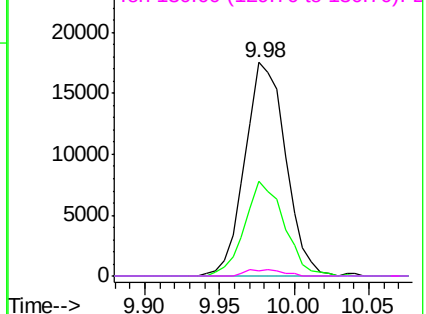
42 44.1 49.1 73.7#

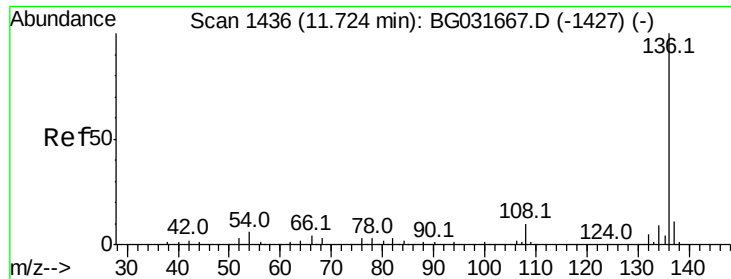
101 0.0 8.5 12.7#

130 2.3 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

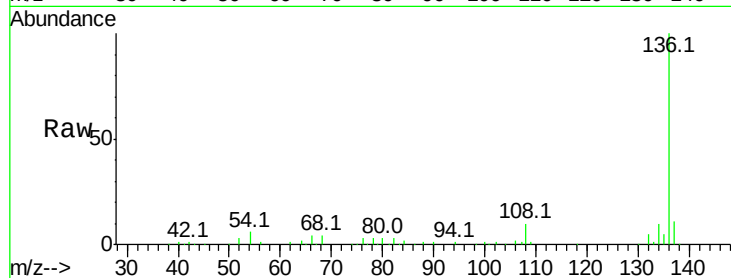




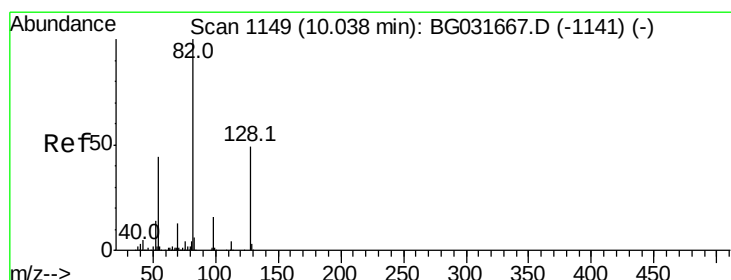
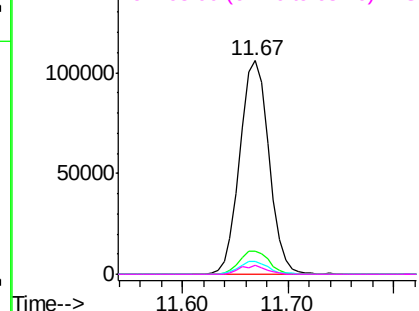
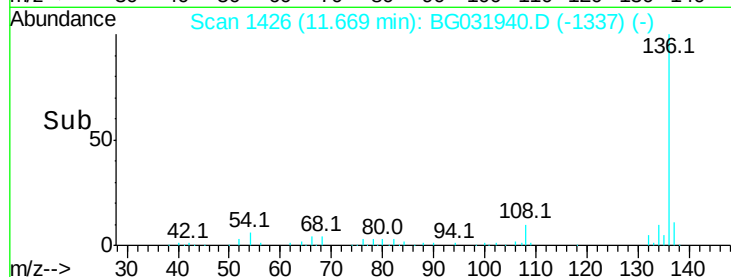
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.67 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	201888
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	6.3	10.3	15.5#
68	4.0	4.5	6.7#

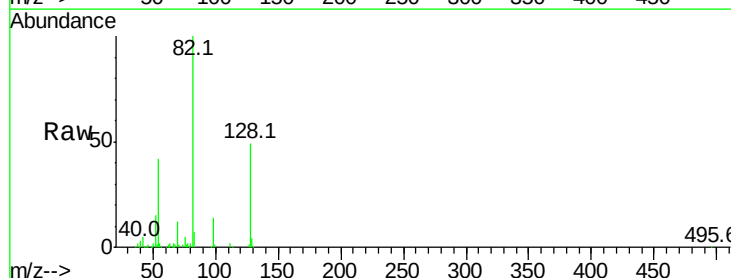


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

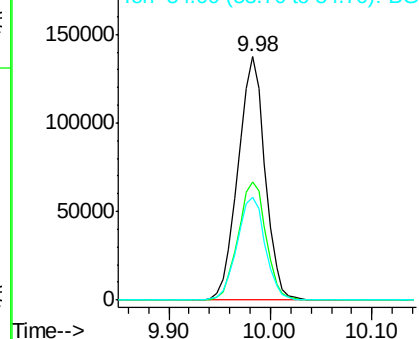
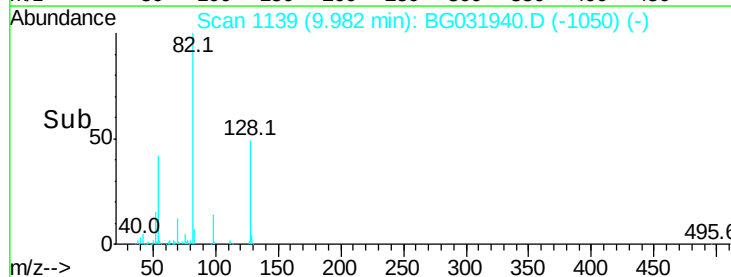


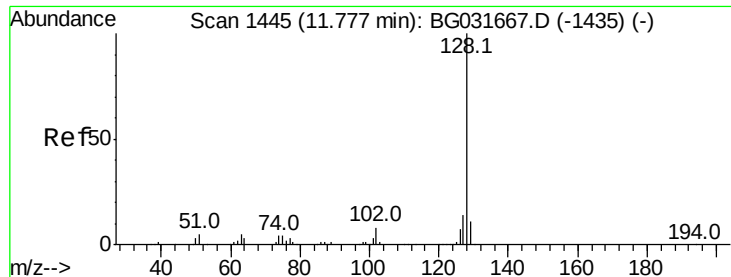
#23
Nitrobenzene-d5
Concen: 94.823 ng
RT: 9.98 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

Tgt Ion:	82	Resp:	253518
Ion	Ratio	Lower	Upper
82	100		
128	48.8	29.7	44.5#
54	42.5	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

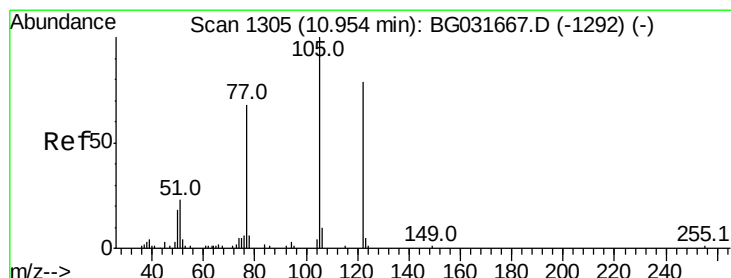
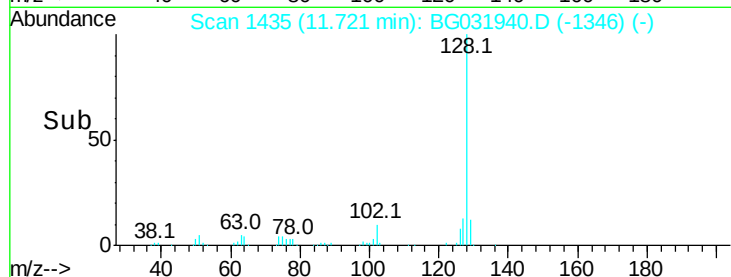
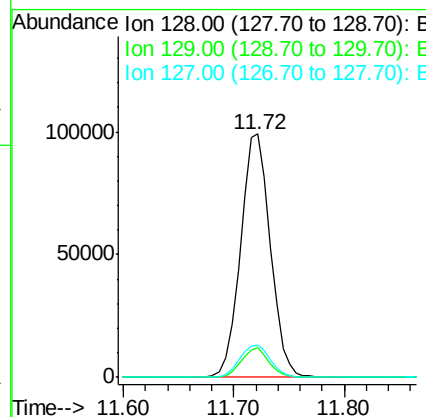
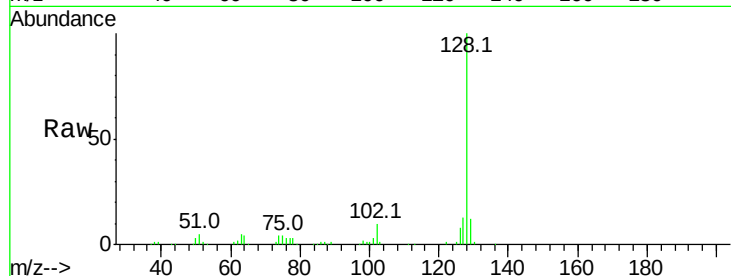




#31
Naphthalene
Concen: 18.413 ng
RT: 11.72 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

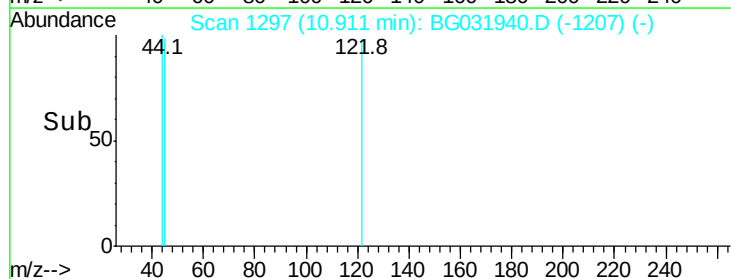
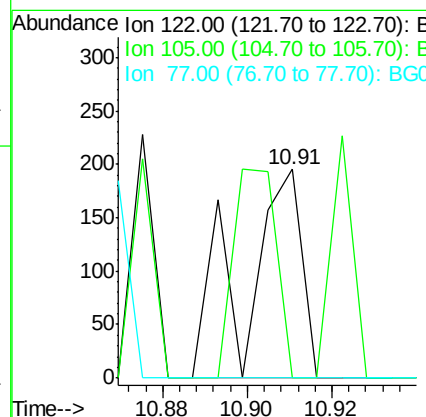
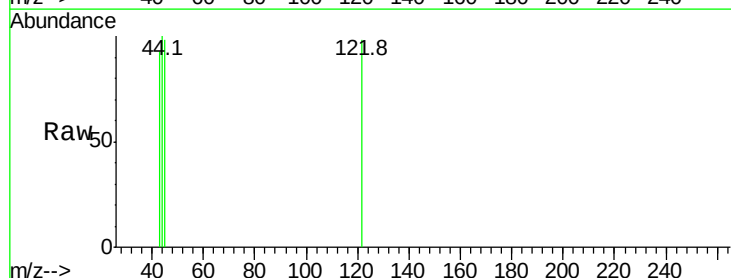
Instrument :
BNA_G
ClientSampleId :

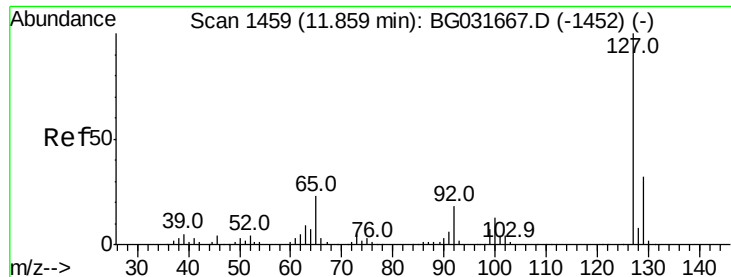
Tot Ion:128 Resp: 187609
Ion Ratio Lower Upper
128 100
129 12.0 8.6 12.8
127 13.2 11.6 17.4



#32
Benzoic acid
Concen: 6.771 ng
RT: 10.91 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

Tgt Ion:122 Resp: 183
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#

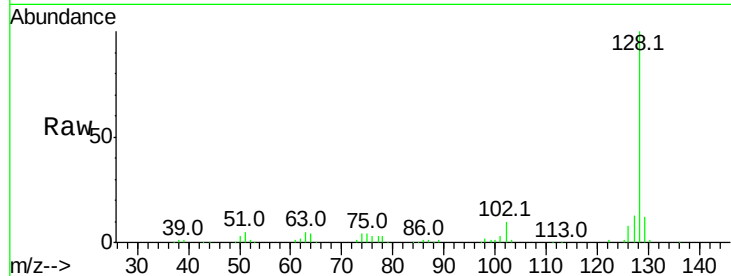




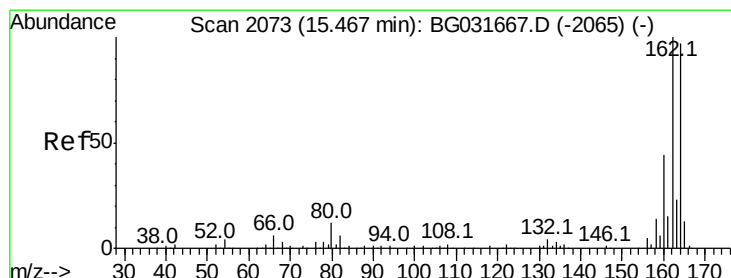
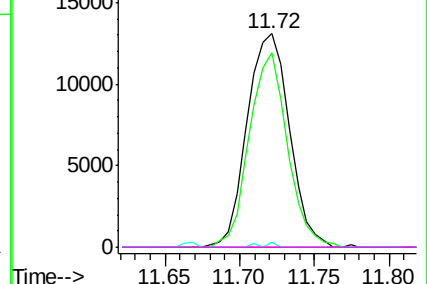
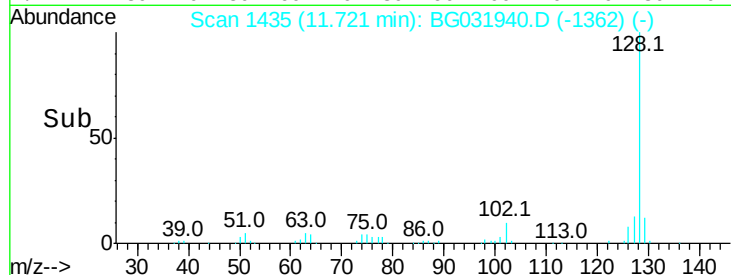
#33
4-Chloroaniline
Concen: 5.651 ng
RT: 11.72 min Scan# 1435
Delta R.T. -0.10 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:127 Resp: 25634
Ion Ratio Lower Upper
127 100
129 91.2 24.0 36.0#
65 2.3 27.0 40.4#
92 0.0 16.6 25.0#

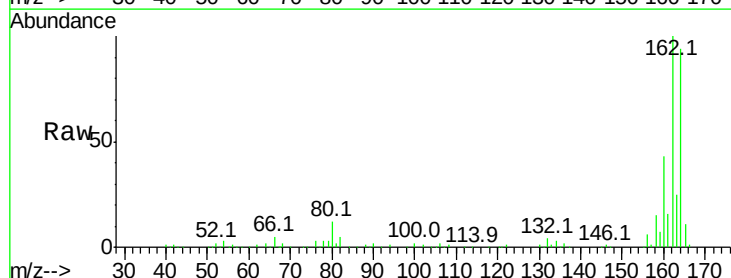


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

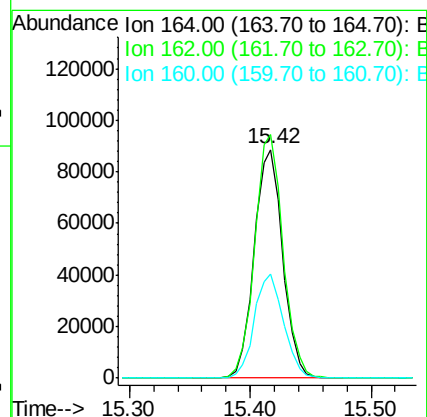
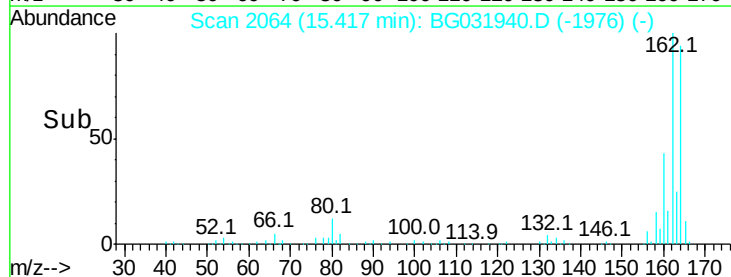


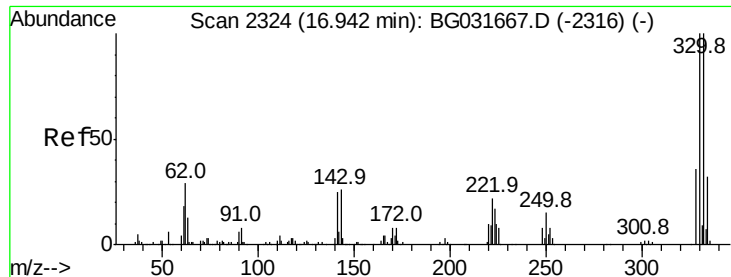
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.42 min Scan# 2064
Delta R.T. -0.01 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

Tgt Ion:164 Resp: 144966
Ion Ratio Lower Upper
164 100
162 106.6 78.8 118.2
160 45.4 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

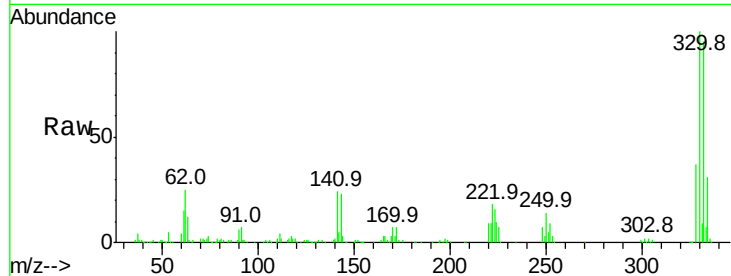




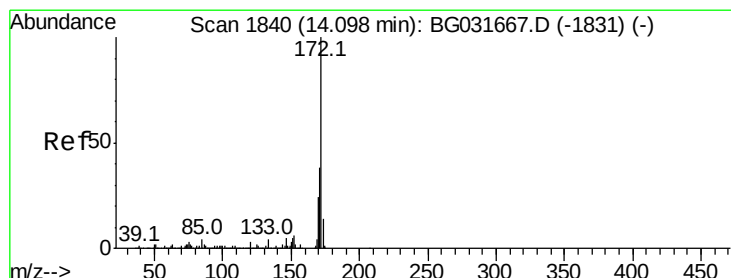
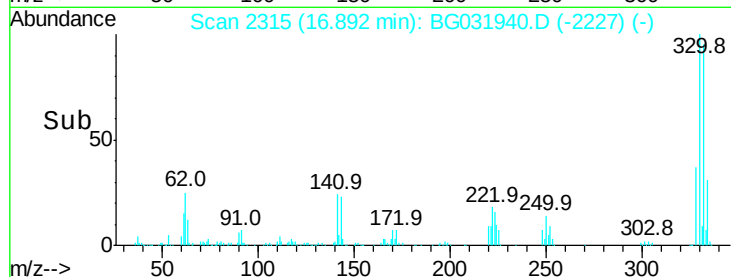
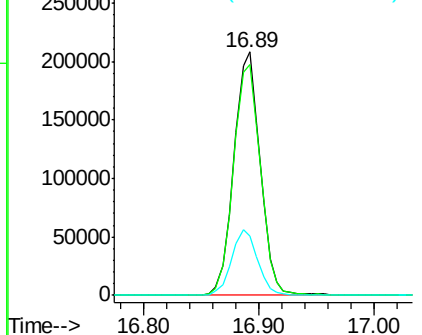
#41
 2,4,6-Tribromophenol
 Concen: 148.533 ng
 RT: 16.89 min Scan# 2315
 Delta R.T. -0.01 min
 Lab File: BG031940.D
 Acq: 5 Jan 2018 19:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	26.9	25.2	37.8

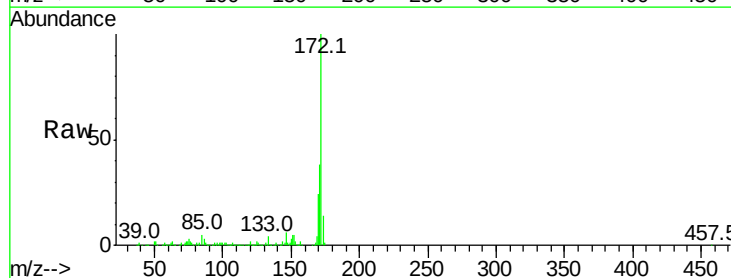


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

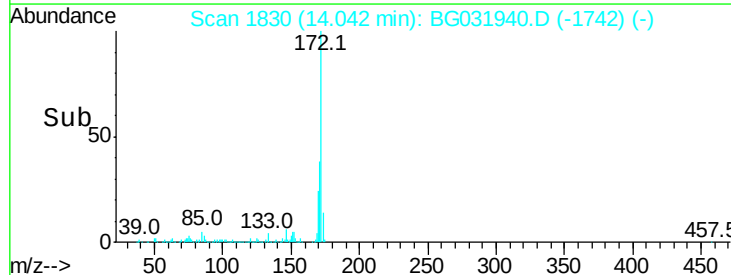
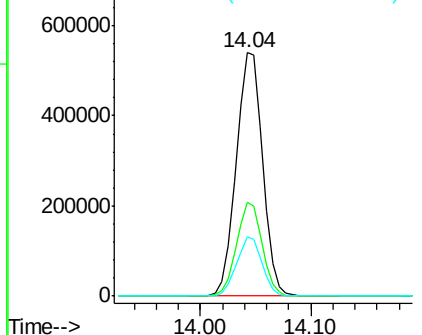


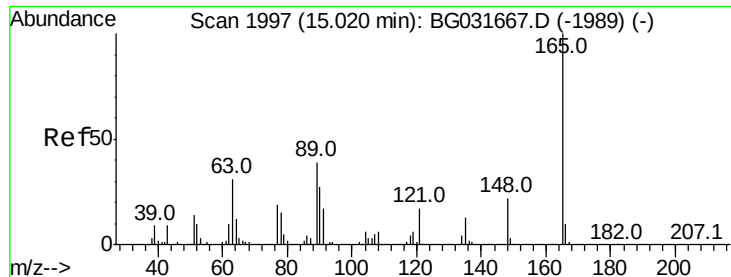
#44
 2-Fluorobiphenyl
 Concen: 78.584 ng
 RT: 14.04 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BG031940.D
 Acq: 5 Jan 2018 19:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.0	45.0
170	24.3	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

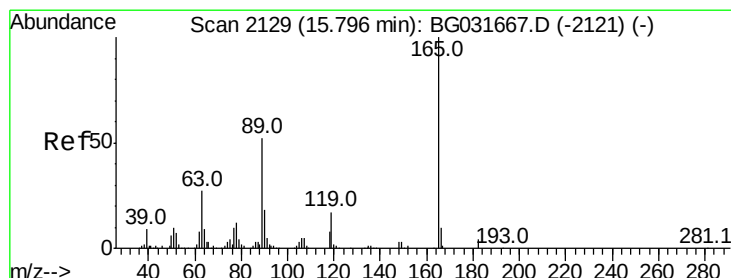
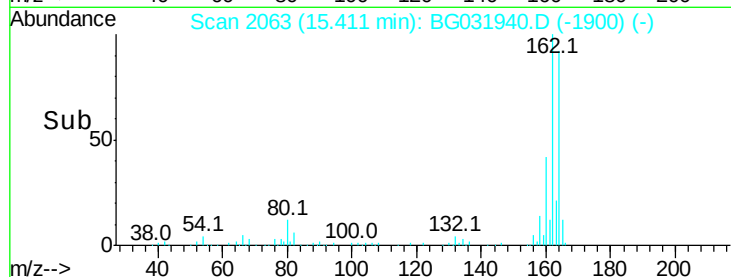
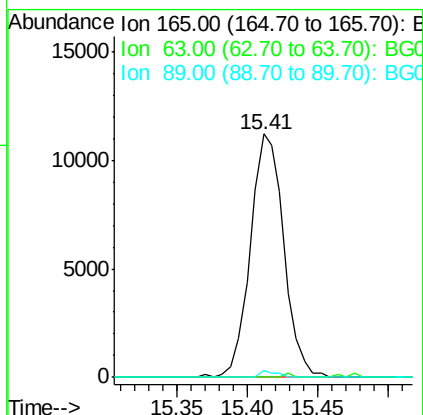
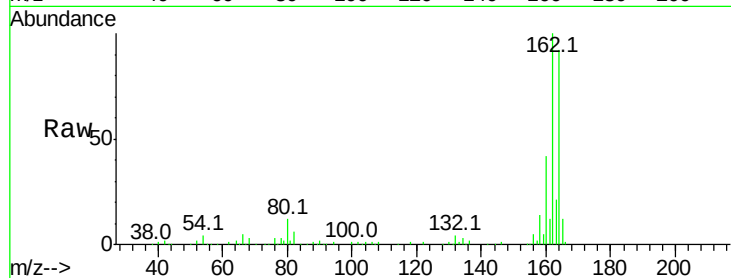




#50
 2,6-Dinitrotoluene
 Concen: 7.928 ng
 RT: 15.41 min Scan# 2063
 Delta R.T. 0.43 min
 Lab File: BG031940.D
 Acq: 5 Jan 2018 19:45

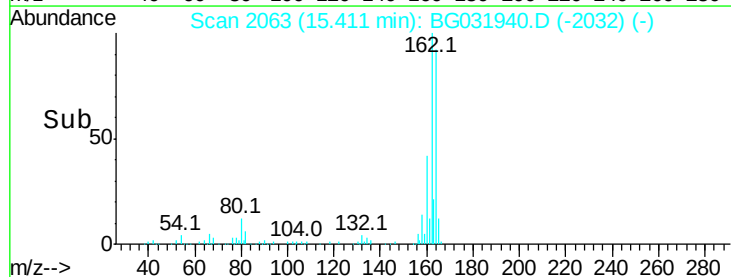
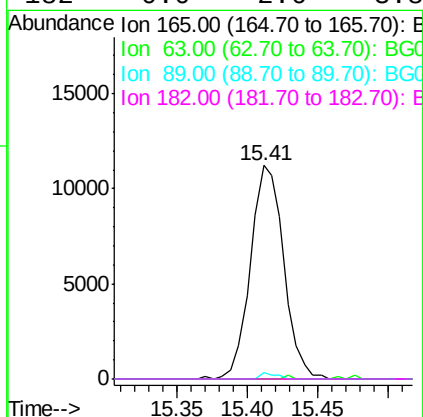
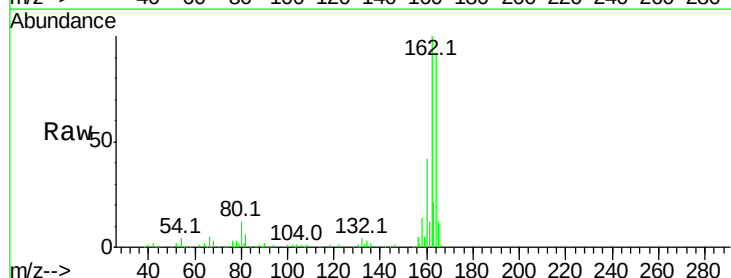
Instrument :
 BNA_G
 ClientSampled :

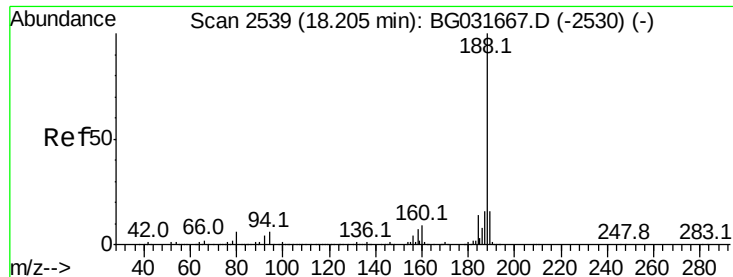
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.9	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.165 ng
 RT: 15.41 min Scan# 2063
 Delta R.T. -0.35 min
 Lab File: BG031940.D
 Acq: 5 Jan 2018 19:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.9	66.9	100.3#
182	0.0	2.6	3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.15 min Scan# 2529

Delta R.T. -0.01 min

Lab File: BG031940.D

Acq: 5 Jan 2018 19:45

Instrument :

BNA_G

ClientSampleId :

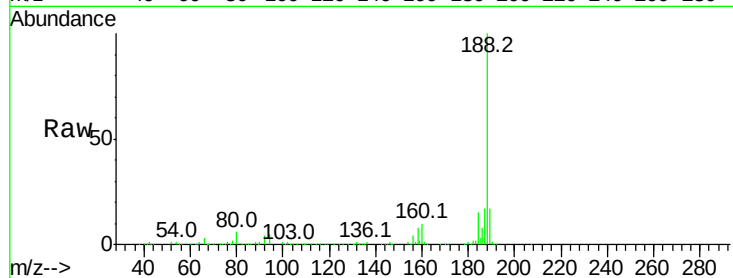
Tot Ion:188 Resp: 393480

Ion Ratio Lower Upper

188 100

94 5.4 6.9 10.3#

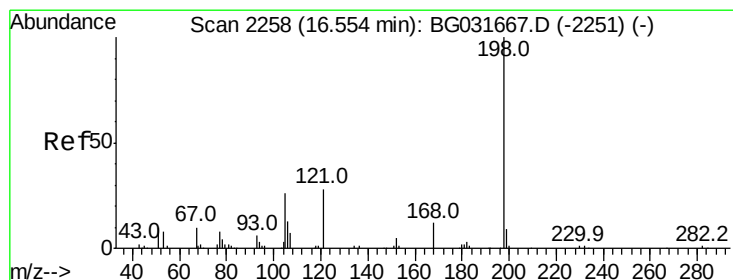
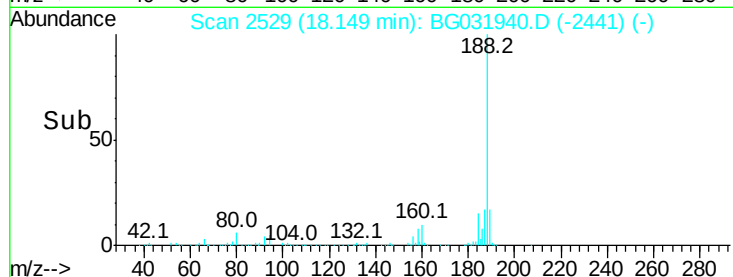
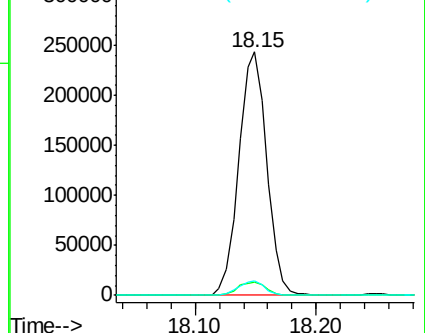
80 5.8 7.7 11.5#



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: 8.333 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.38 min

Lab File: BG031940.D

Acq: 5 Jan 2018 19:45

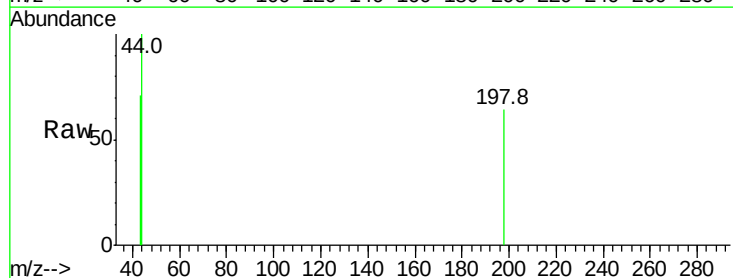
Tgt Ion:198 Resp: 62

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

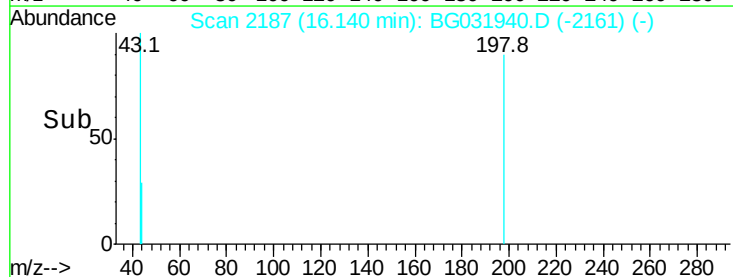
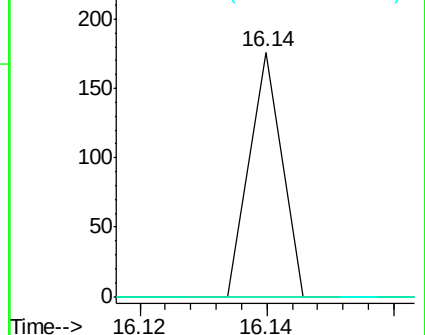
105 0.0 23.8 63.8#

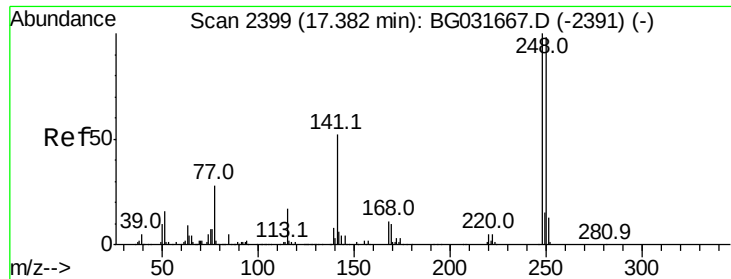


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

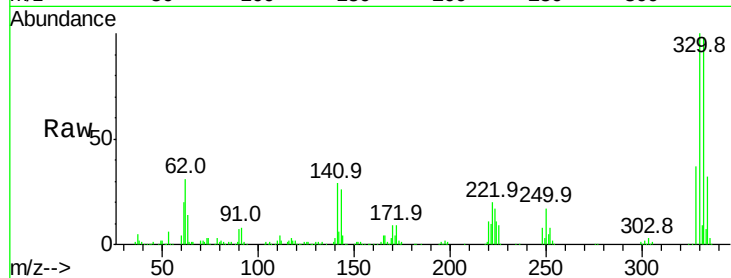




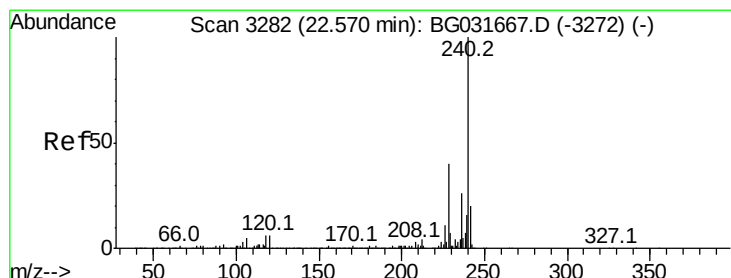
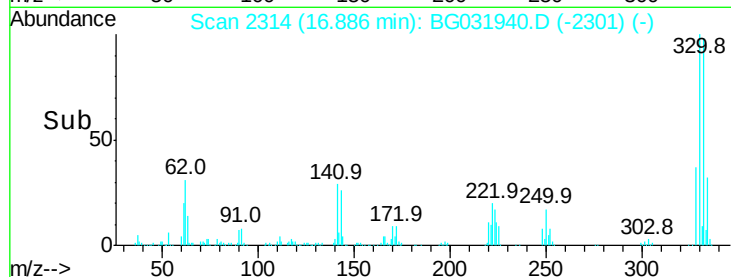
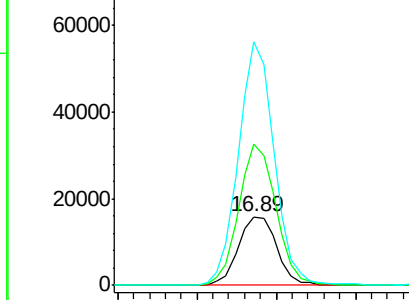
#66
4-Bromophenyl-phenylether
Concen: 4.676 ng
RT: 16.89 min Scan# 2314
Delta R.T. -0.45 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 26608
Ion Ratio Lower Upper
248 100
250 204.9 77.1 115.7#
141 354.0 50.8 76.2#

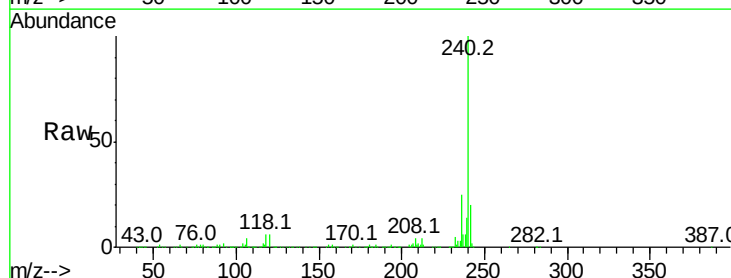


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

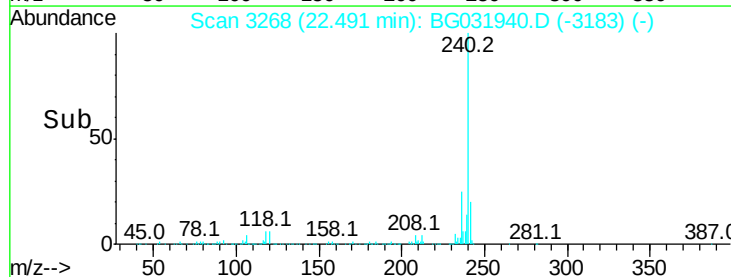
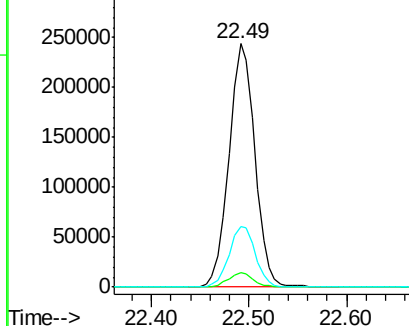


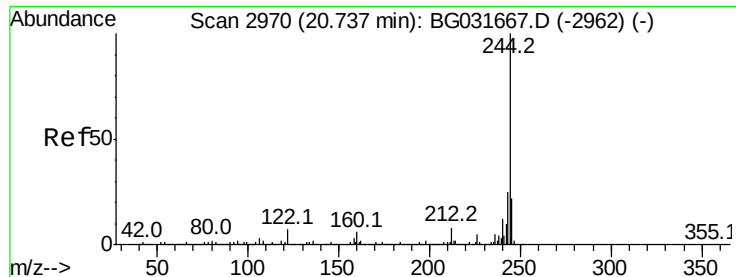
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.49 min Scan# 3268
Delta R.T. -0.03 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

Tgt Ion:240 Resp: 449983
Ion Ratio Lower Upper
240 100
120 5.9 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: 93.745 ng

RT: 20.68 min Scan# 2960

Delta R.T. -0.02 min

Lab File: BG031940.D

Acq: 5 Jan 2018 19:45

Instrument :

BNA_G

ClientSampleId :

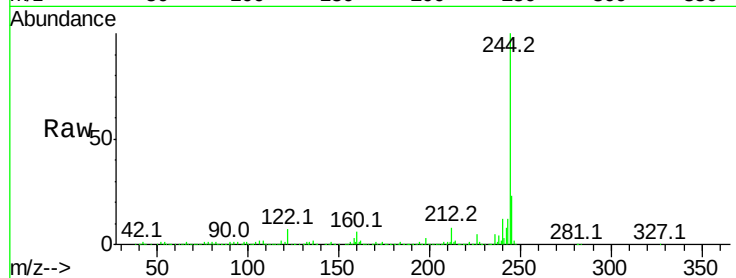
Tot Ion:244 Resp: 1846392

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	7.1	7.0	10.4

244 100

212 7.9 5.8 8.8

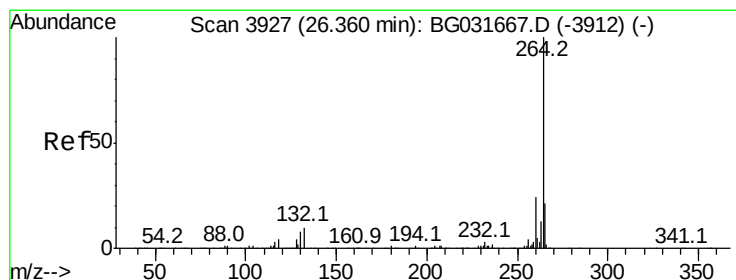
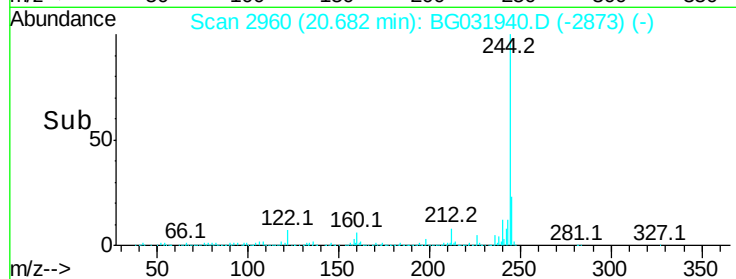
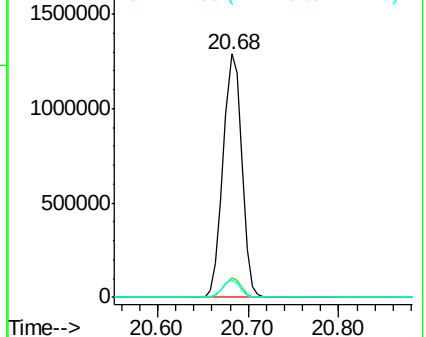
122 7.1 7.0 10.4



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: 26.23 min Scan# 3905

Delta R.T. -0.06 min

Lab File: BG031940.D

Acq: 5 Jan 2018 19:45

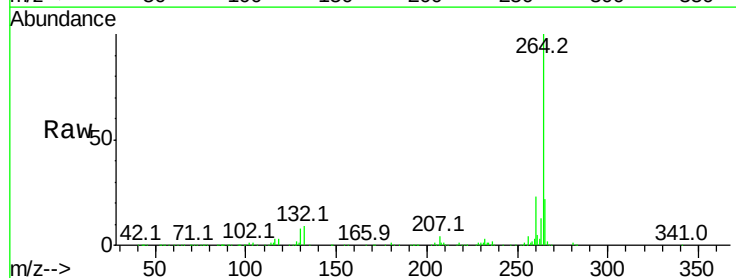
Tgt Ion:264 Resp: 445358

Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.4	26.0
265	22.2	17.7	26.5

264 100

260 22.8 17.4 26.0

265 22.2 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

