

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010318\
 Data File : BG031909.D
 Acq On : 4 Jan 2018 3:15
 Operator : SJ/JU
 Sample : J1008-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 08:14:05 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 15:51:46 2017
 Response via : Initial Calibration

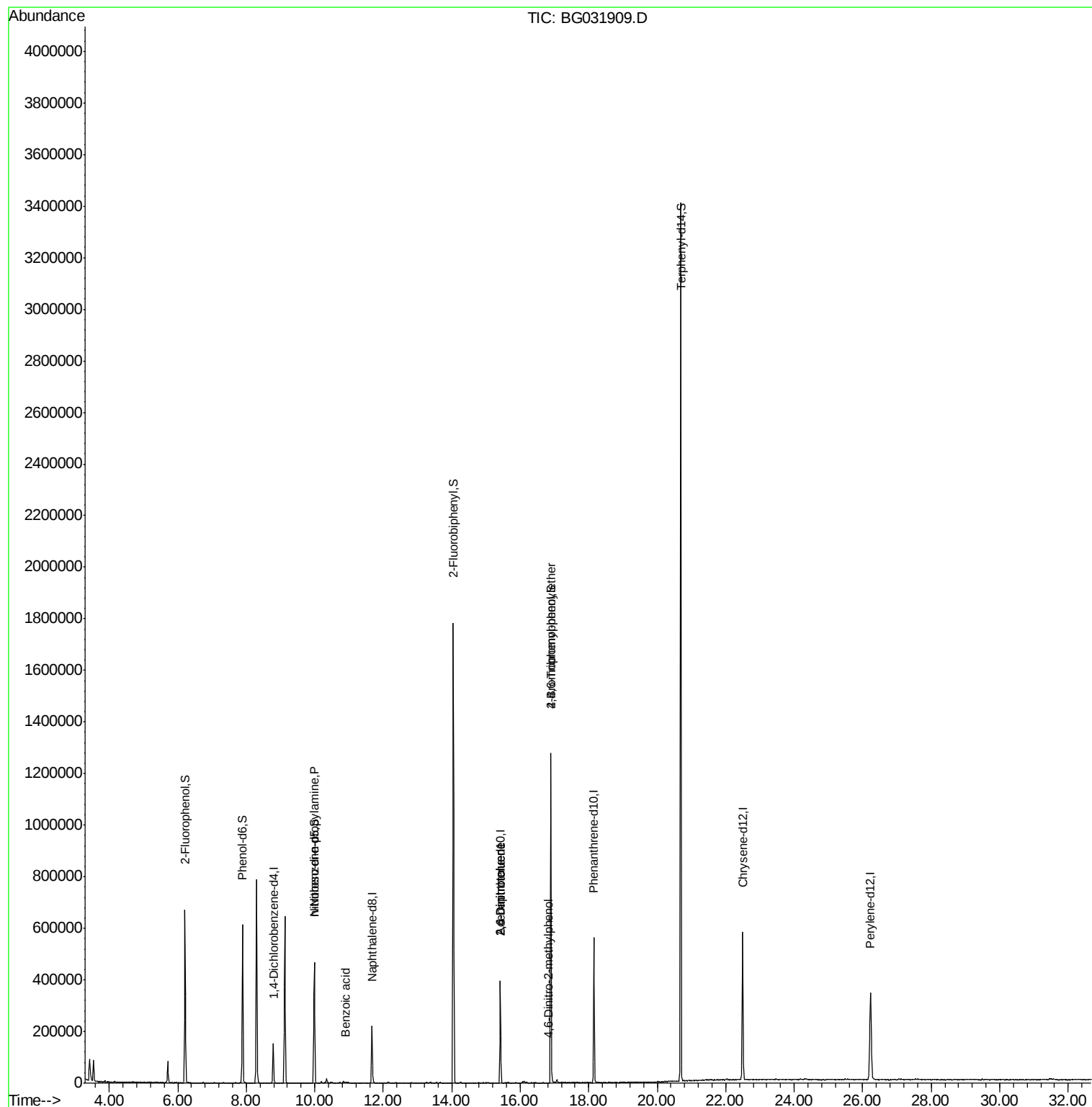
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.79	152	55072	20.00	ng	0.00
21) Naphthalene-d8	11.67	136	220976	20.00	ng	0.00
38) Acenaphthene-d10	15.42	164	154429	20.00	ng	0.00
63) Phenanthrene-d10	18.15	188	395296	20.00	ng	-0.01
75) Chrysene-d12	22.49	240	440458	20.00	ng	-0.02
86) Perylene-d12	26.23	264	454983	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	370875	122.66	ng	0.00
7) Phenol-d6	7.89	99	437752	111.51	ng	0.00
23) Nitrobenzene-d5	9.99	82	310061	105.95	ng	0.00
41) 2,4,6-Tribromophenol	16.89	330	315729	133.99	ng	0.00
44) 2-Fluorobiphenyl	14.05	172	1085179	88.20	ng	0.00
78) Terphenyl-d14	20.68	244	1840203	95.45	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.99	70	39655	14.791	ng	# 74
32) Benzoic acid	10.91	122	123	6.741	ng	# 50
50) 2,6-Dinitrotoluene	15.41	165	19963	7.977	ng	# 20
56) 2,4-Dinitrotoluene	15.41	165	19963	6.203	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.82	198	61	8.332	ng	# 29
66) 4-Bromophenyl-phenylether	16.90	248	25417	4.446	ng	# 1

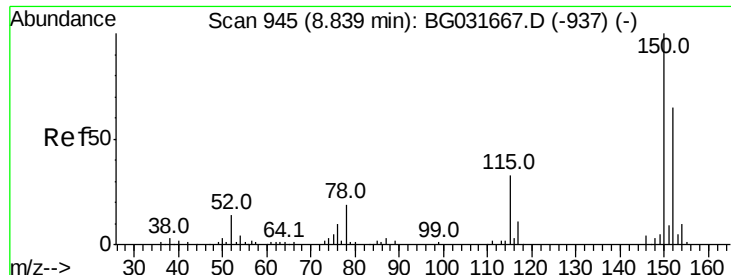
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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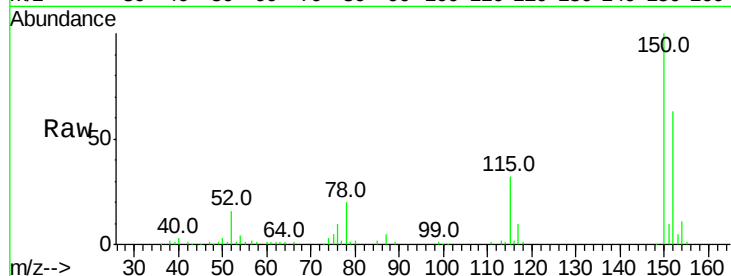


#1

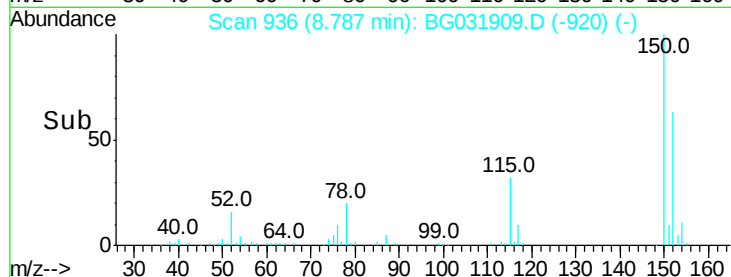
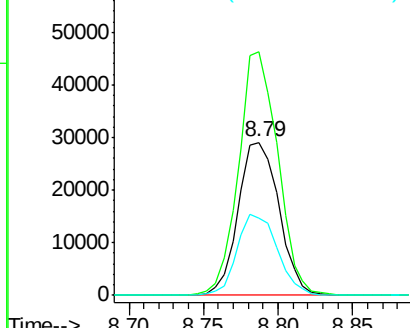
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.79 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: BG031909.D
 Acq: 4 Jan 2018 3:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 55072
 Ion Ratio Lower Upper
 152 100
 150 159.0 126.6 189.8
 115 50.5 53.0 79.4#



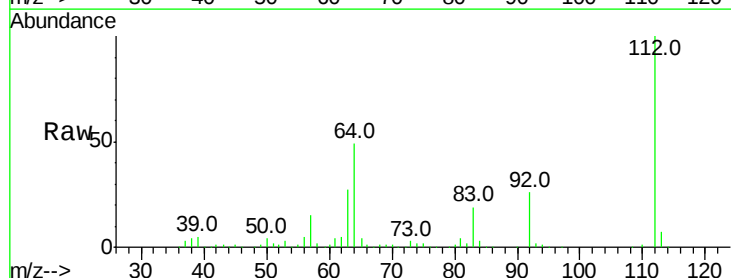
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



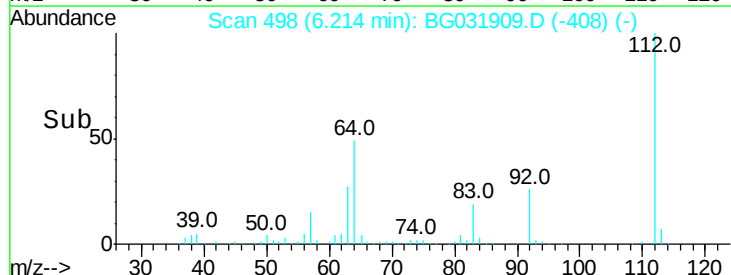
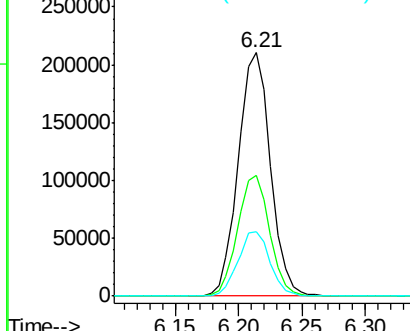
#5

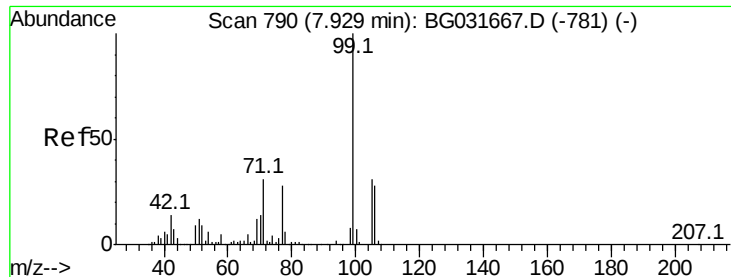
2-Fluorophenol
 Concen: 122.659 ng
 RT: 6.21 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: BG031909.D
 Acq: 4 Jan 2018 3:15

Tgt Ion:112 Resp: 370875
 Ion Ratio Lower Upper
 112 100
 64 49.4 56.3 84.5#
 63 26.6 30.1 45.1#



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





#7

Phenol-d6

Concen: 111.510 ng

RT: 7.89 min Scan# 783

Delta R.T. -0.01 min

Lab File: BG031909.D

Acq: 4 Jan 2018 3:15

Instrument :

BNA_G

ClientSampleId :

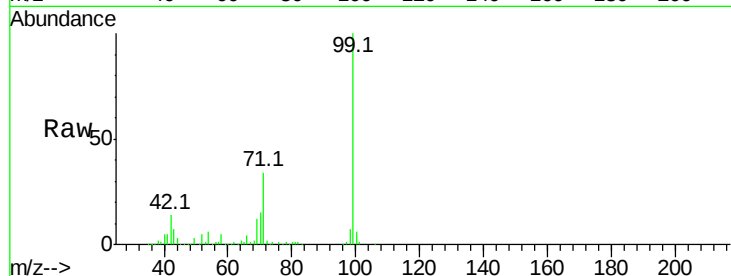
Tot Ion: 99 Resp: 437752

Ion Ratio Lower Upper

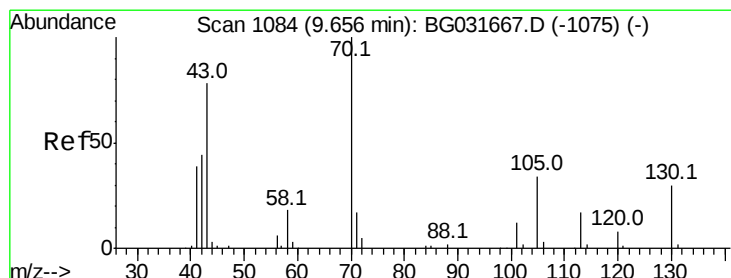
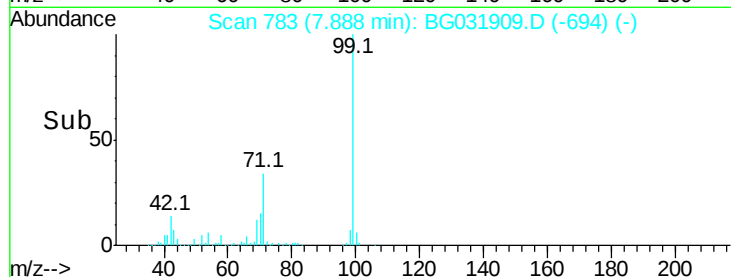
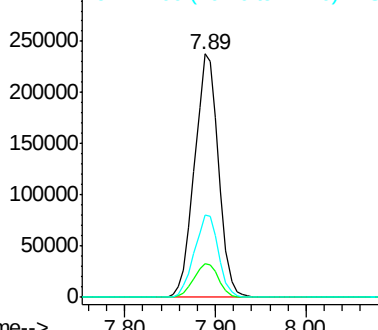
99 100

42 13.8 14.1 21.1#

71 33.7 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: 14.791 ng

RT: 9.99 min Scan# 1140

Delta R.T. 0.38 min

Lab File: BG031909.D

Acq: 4 Jan 2018 3:15

Tgt Ion: 70 Resp: 39655

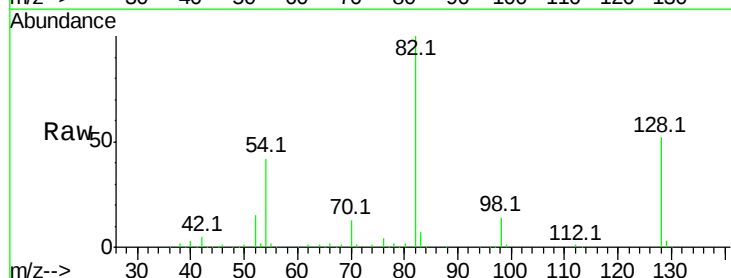
Ion Ratio Lower Upper

70 100

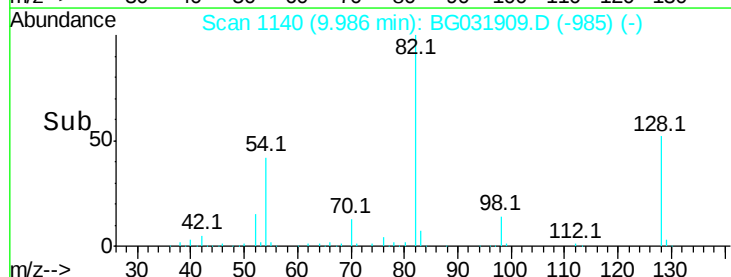
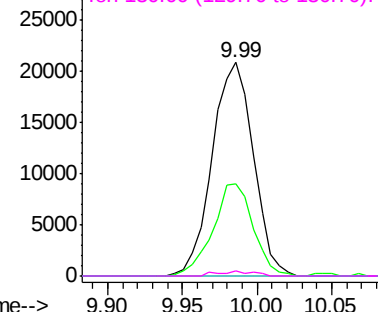
42 43.1 49.1 73.7#

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

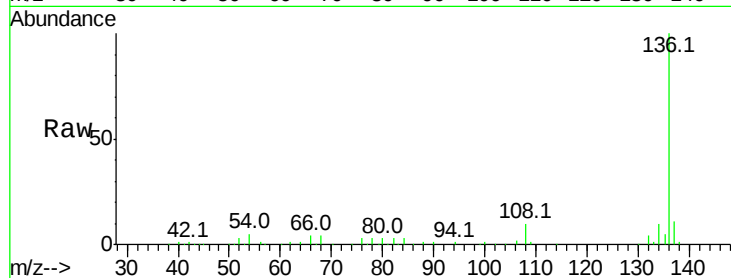




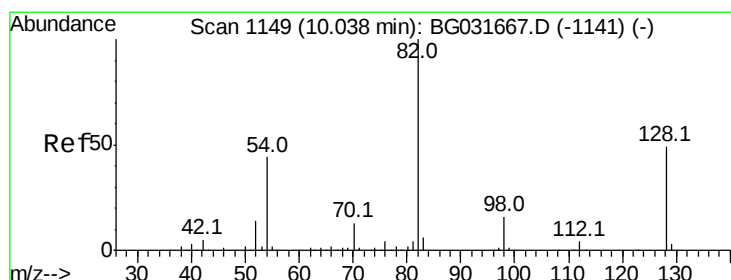
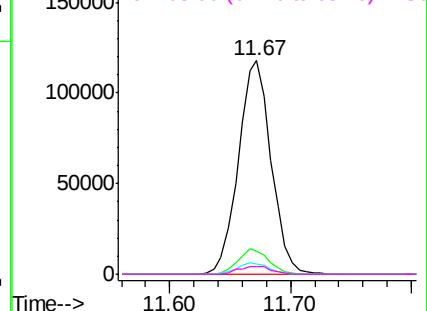
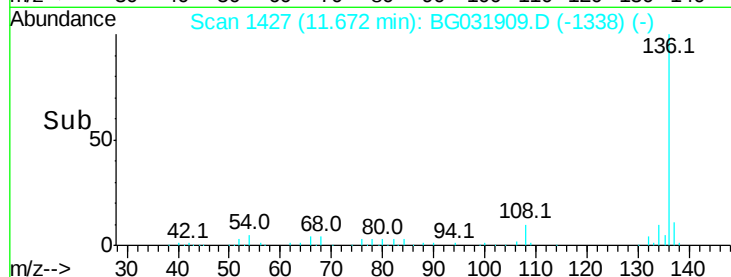
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.67 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BG031909.D
Acq: 4 Jan 2018 3:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	220976
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	4.7	10.3	15.5#
68	3.8	4.5	6.7#

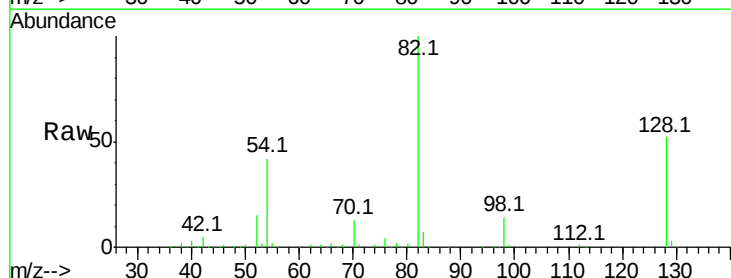


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

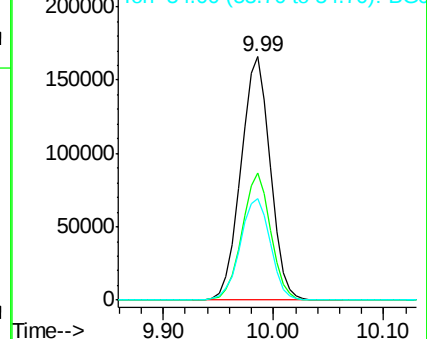
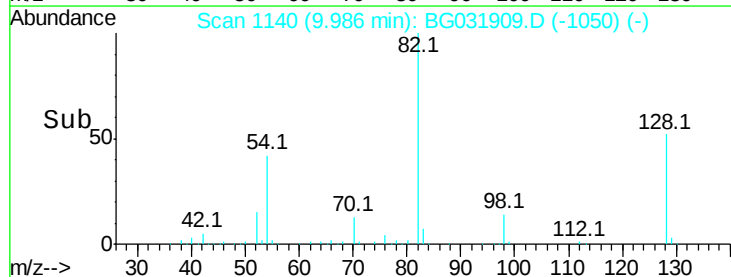


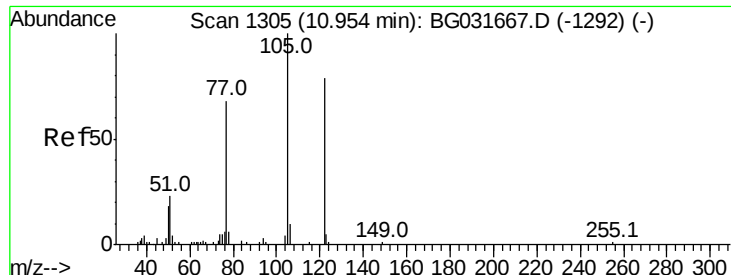
#23
Nitrobenzene-d5
Concen: 105.954 ng
RT: 9.99 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BG031909.D
Acq: 4 Jan 2018 3:15

Tgt Ion:	82	Resp:	310061
Ion	Ratio	Lower	Upper
82	100		
128	52.3	29.7	44.5#
54	41.5	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





#32

Benzoic acid

Concen: 6.741 ng

RT: 10.91 min Scan# 1297

Delta R.T. 0.01 min

Lab File: BG031909.D

Acq: 4 Jan 2018 3:15

Instrument :

BNA_G

ClientSampled :

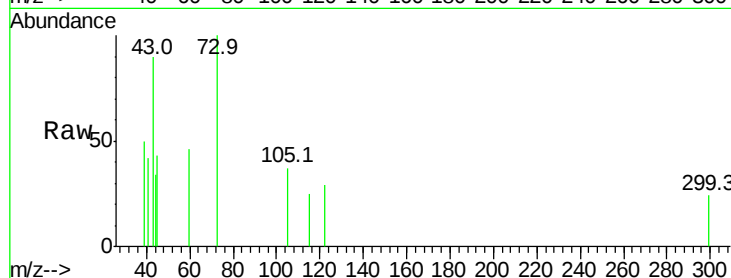
Tot Ion:122 Resp: 123

Ion Ratio Lower Upper

122 100

105 128.9 123.5 163.5

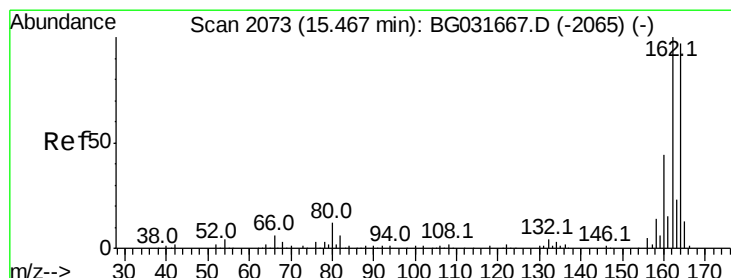
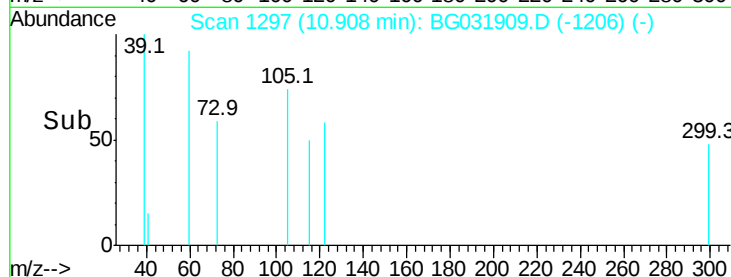
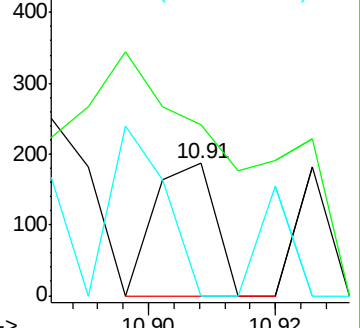
77 0.0 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.42 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BG031909.D

Acq: 4 Jan 2018 3:15

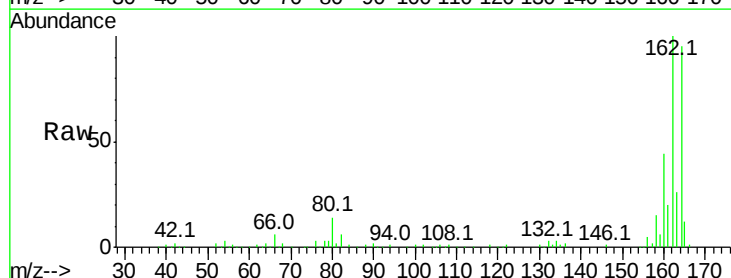
Tgt Ion:164 Resp: 154429

Ion Ratio Lower Upper

164 100

162 105.7 78.8 118.2

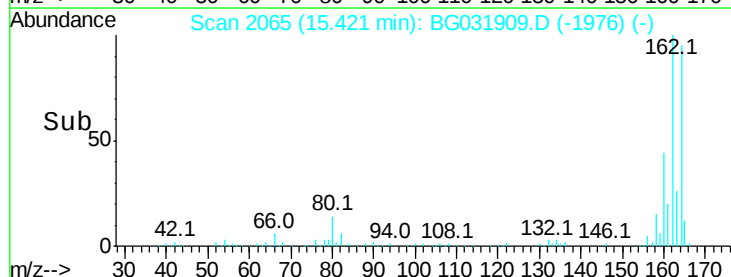
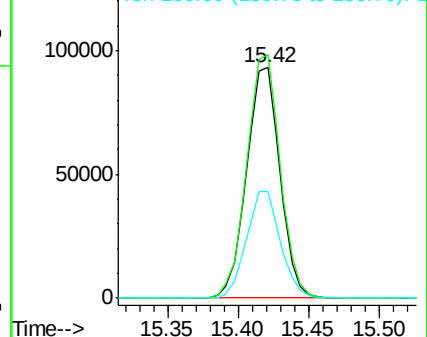
160 46.3 35.4 53.0

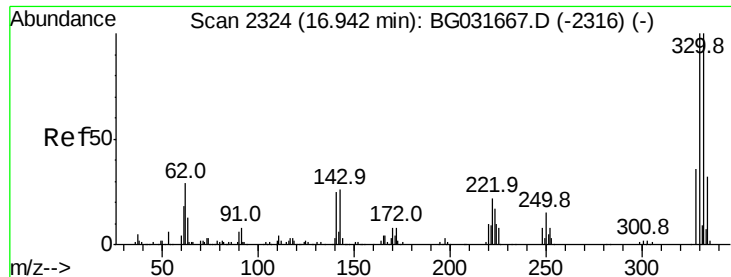


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

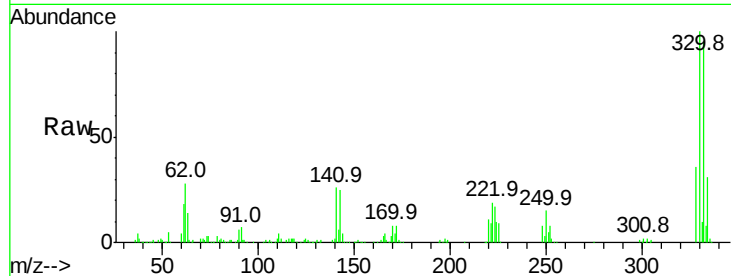




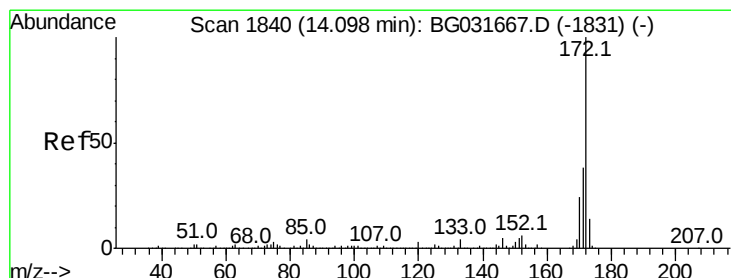
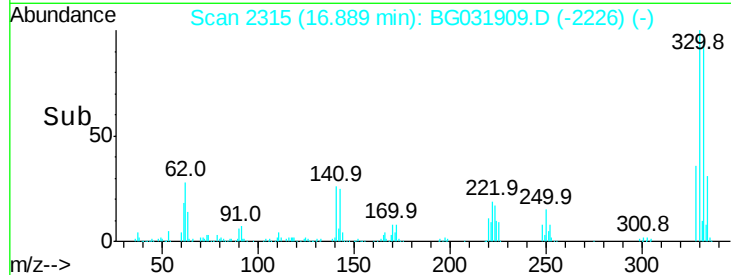
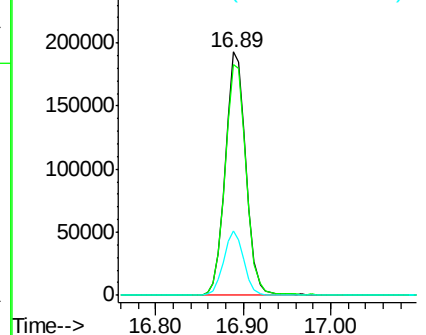
#41
 2,4,6-Tribromophenol
 Concen: 133.989 ng
 RT: 16.89 min Scan# 2315
 Delta R.T. -0.01 min
 Lab File: BG031909.D
 Acq: 4 Jan 2018 3:15

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	25.7	25.2	37.8

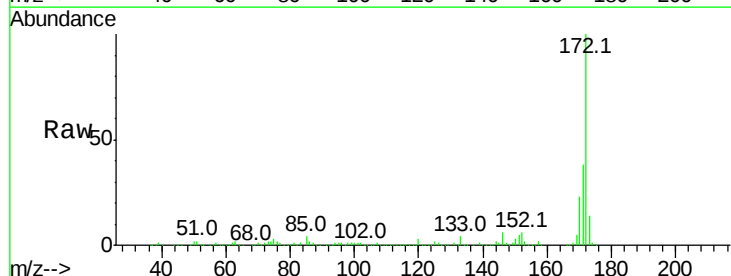


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

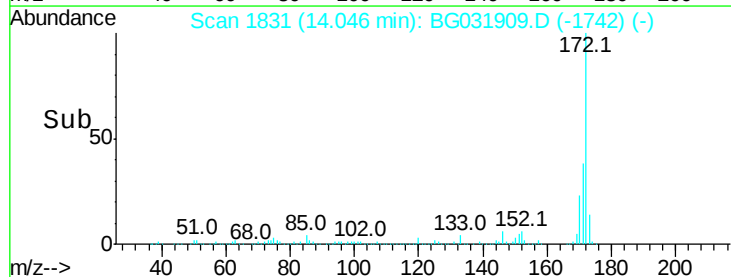
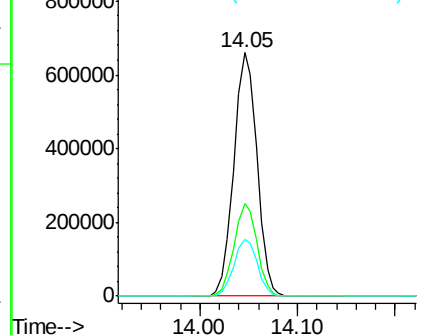


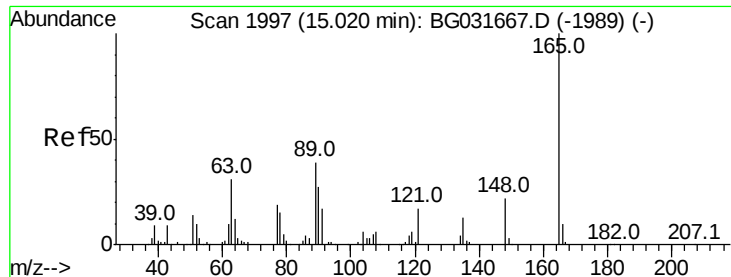
#44
 2-Fluorobiphenyl
 Concen: 88.199 ng
 RT: 14.05 min Scan# 1831
 Delta R.T. -0.01 min
 Lab File: BG031909.D
 Acq: 4 Jan 2018 3:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.0	45.0
170	23.4	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

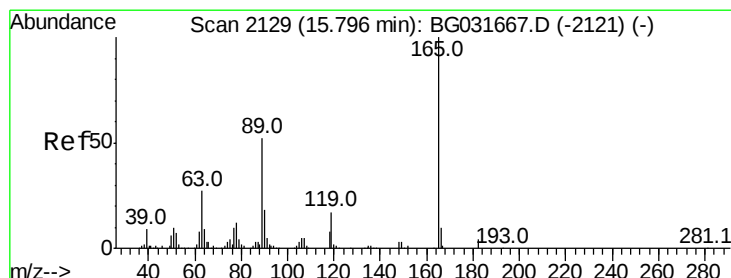
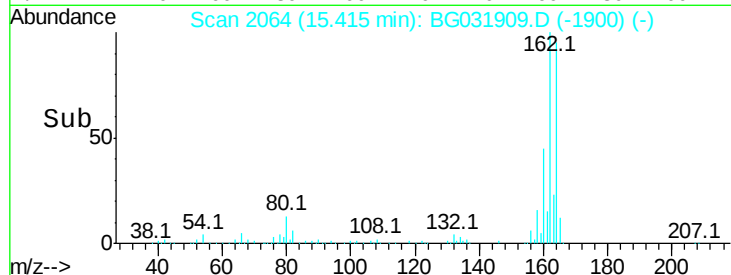
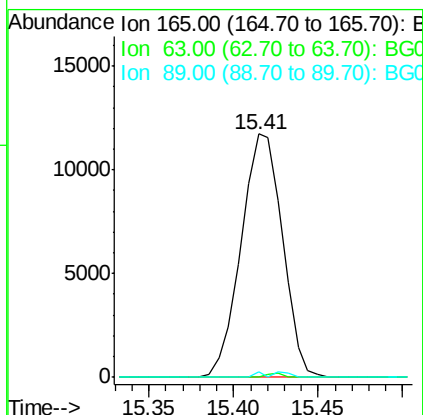
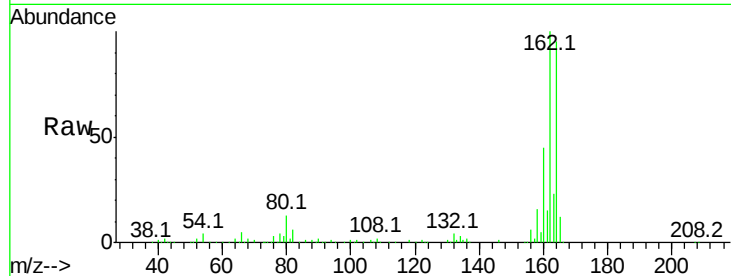




#50
 2,6-Dinitrotoluene
 Concen: 7.977 ng
 RT: 15.41 min Scan# 2064
 Delta R.T. 0.44 min
 Lab File: BG031909.D
 Acq: 4 Jan 2018 3:15

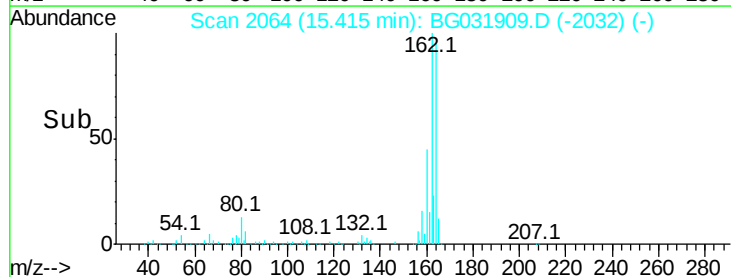
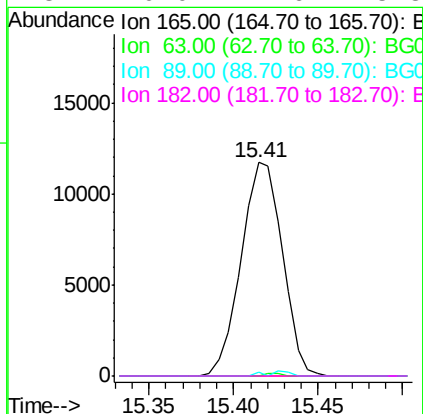
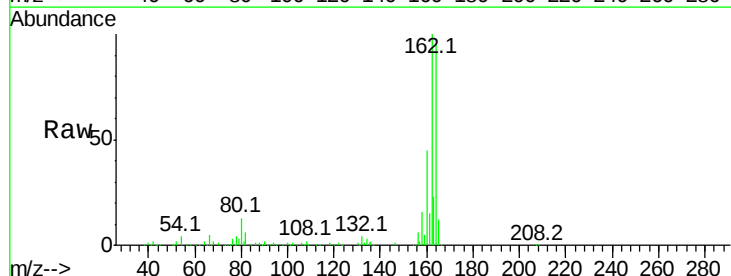
Instrument :
 BNA_G
 ClientSampleId :

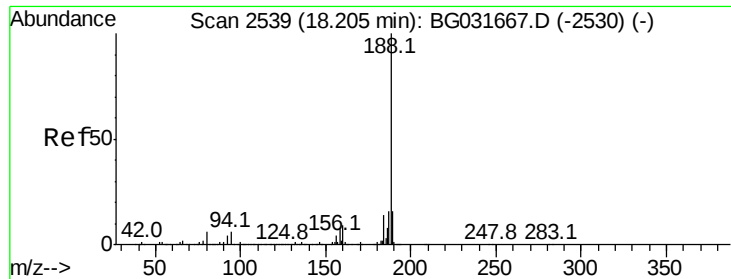
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.203 ng
 RT: 15.41 min Scan# 2064
 Delta R.T. -0.34 min
 Lab File: BG031909.D
 Acq: 4 Jan 2018 3:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.0	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: BG031909.D

Acq: 4 Jan 2018 3:15

Instrument :

BNA_G

ClientSampleId :

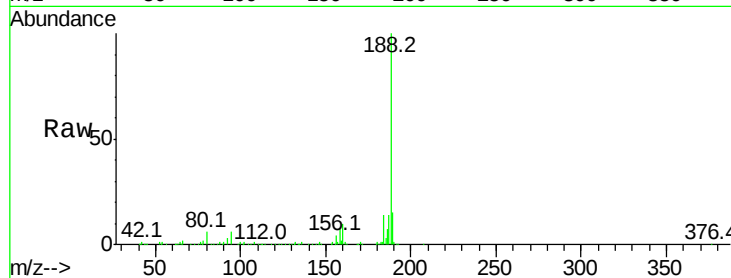
Tot Ion:188 Resp: 395296

Ion Ratio Lower Upper

188 100

94 5.5 6.9 10.3#

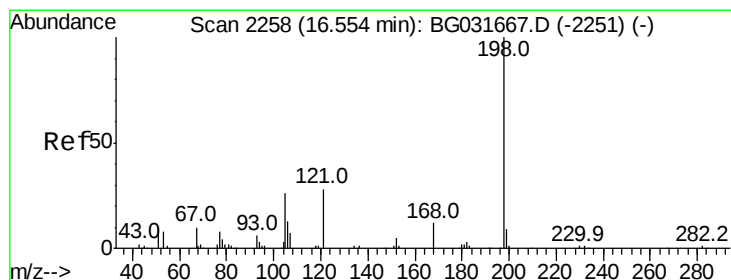
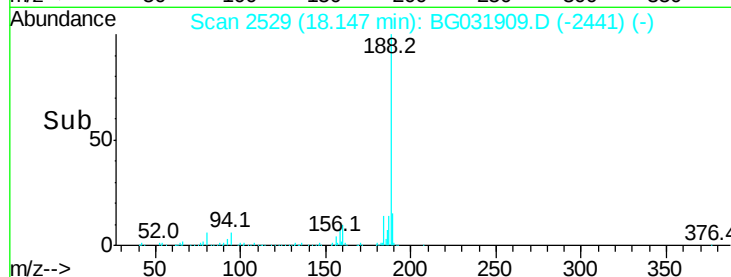
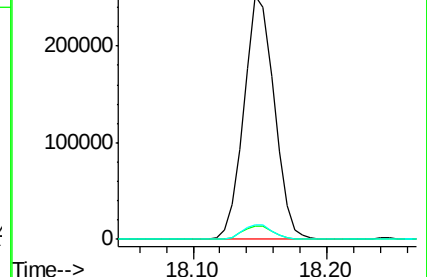
80 5.8 7.7 11.5#



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: 8.332 ng

RT: 16.82 min Scan# 2303

Delta R.T. 0.31 min

Lab File: BG031909.D

Acq: 4 Jan 2018 3:15

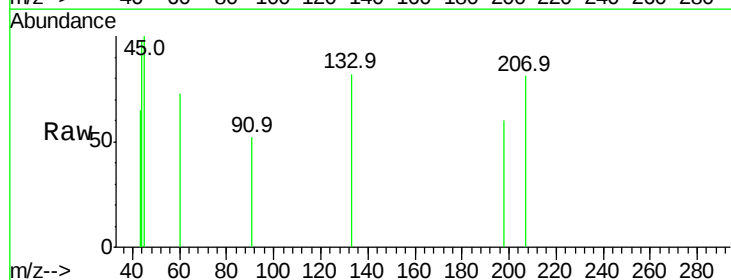
Tgt Ion:198 Resp: 61

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

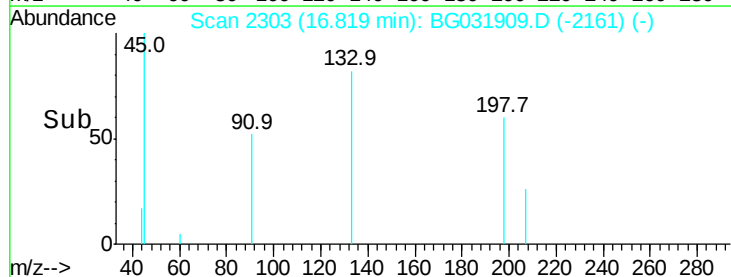
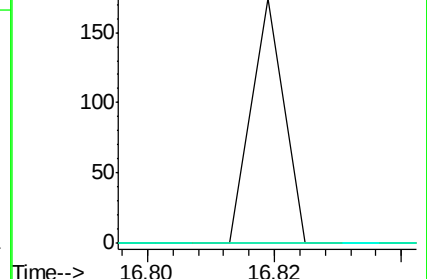
105 0.0 23.8 63.8#

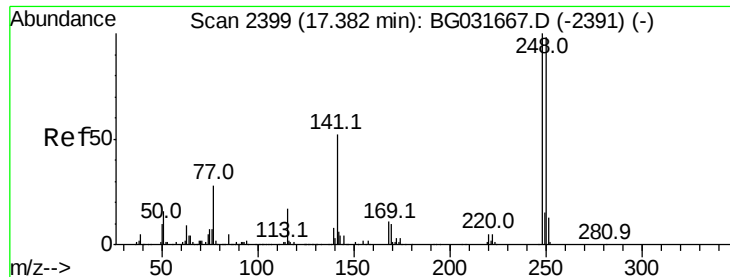


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

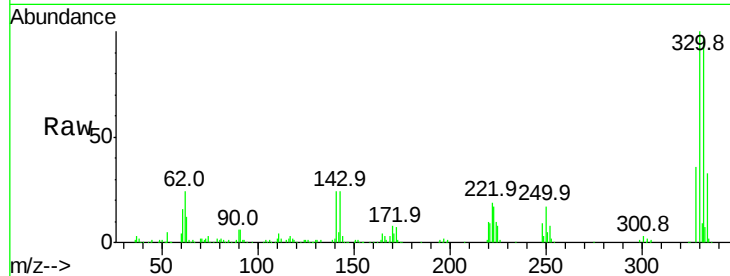




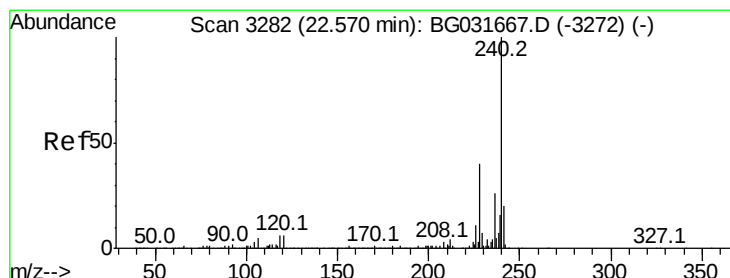
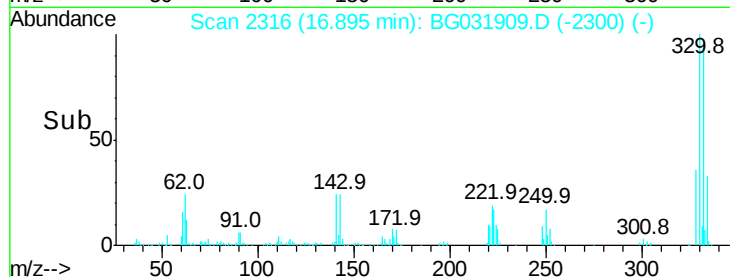
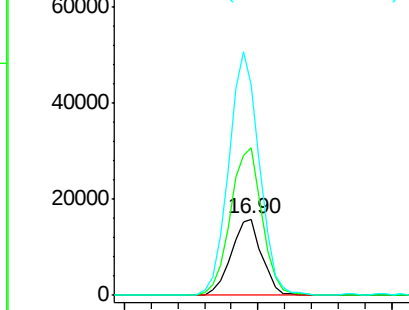
#66
4-Bromophenyl-phenylether
Concen: 4.446 ng
RT: 16.90 min Scan# 2316
Delta R.T. -0.43 min
Lab File: BG031909.D
Acq: 4 Jan 2018 3:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 25417
Ion Ratio Lower Upper
248 100
250 194.3 77.1 115.7#
141 277.0 50.8 76.2#

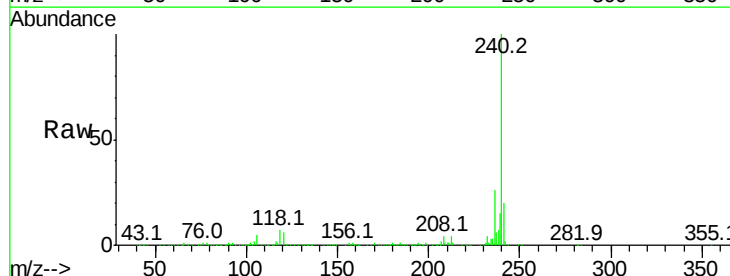


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

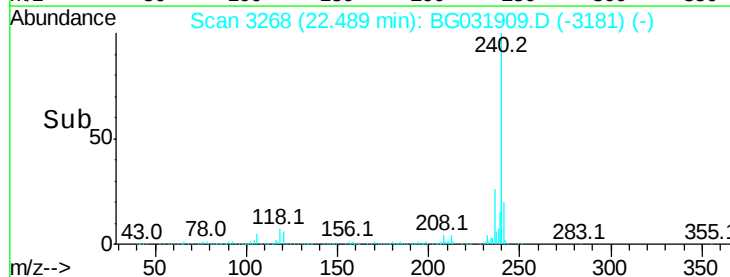
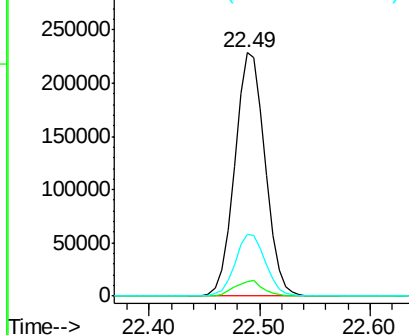


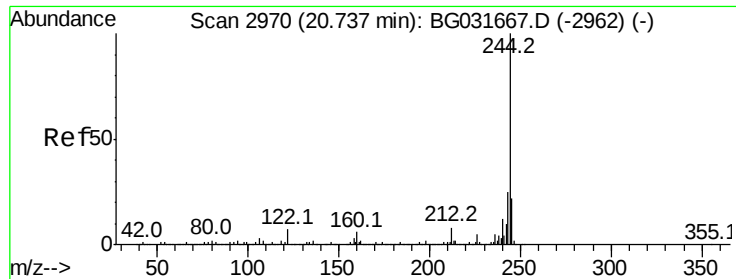
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.49 min Scan# 3268
Delta R.T. -0.02 min
Lab File: BG031909.D
Acq: 4 Jan 2018 3:15

Tgt Ion:240 Resp: 440458
Ion Ratio Lower Upper
240 100
120 6.0 6.8 10.2#
236 25.6 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: 95.451 ng

RT: 20.68 min Scan# 2961

Delta R.T. -0.01 min

Lab File: BG031909.D

Acq: 4 Jan 2018 3:15

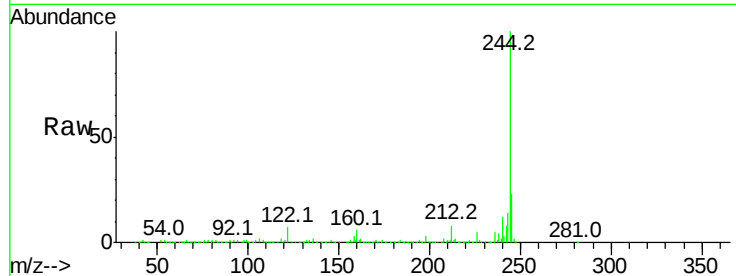
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1840203

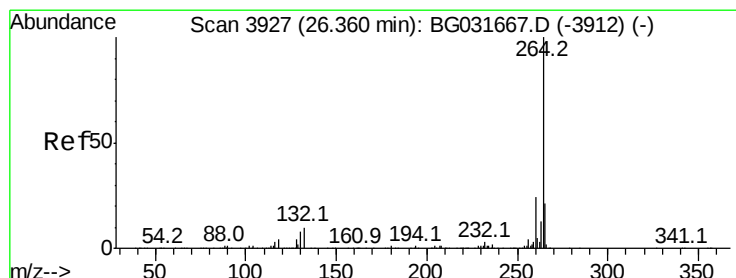
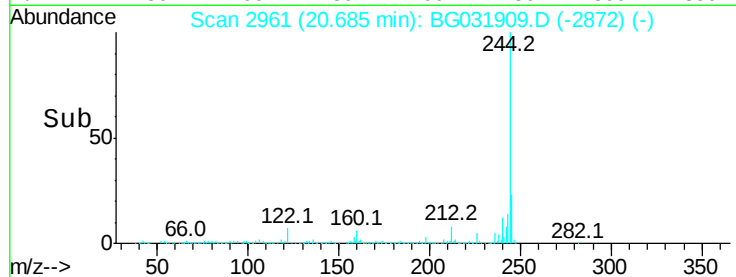
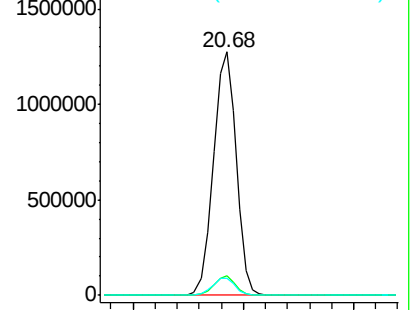
Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	7.0	7.0	10.4



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# 3904

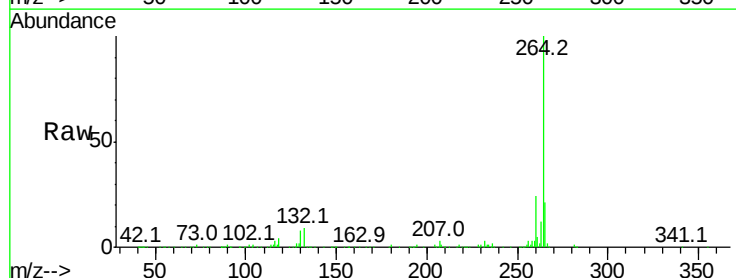
Delta R.T. -0.03 min

Lab File: BG031909.D

Acq: 4 Jan 2018 3:15

Tgt Ion:264 Resp: 454983

Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	20.7	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

