

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010318\
 Data File : BG031910.D
 Acq On : 4 Jan 2018 3:52
 Operator : SJ/JU
 Sample : J1019-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 08:14:27 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

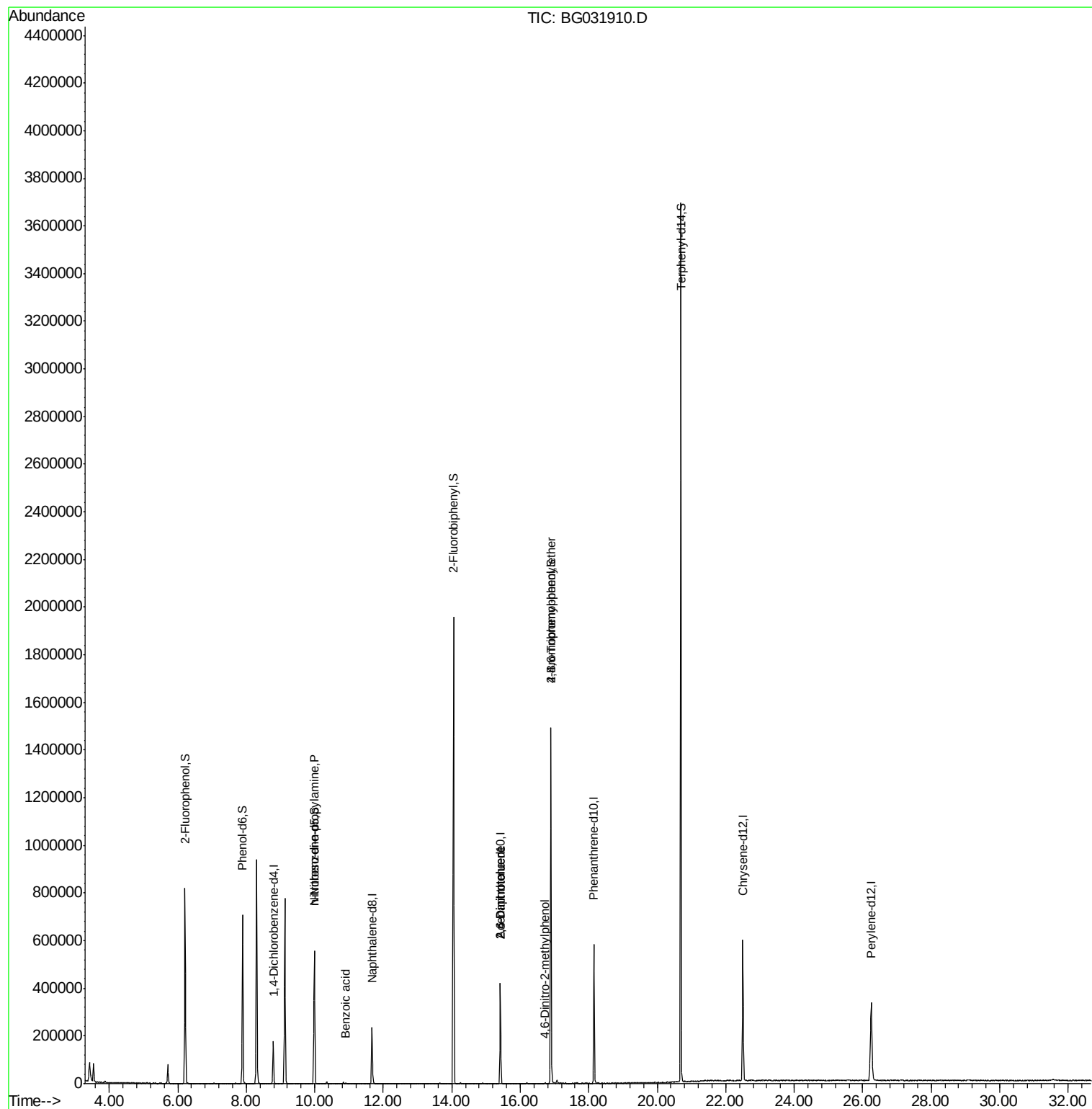
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.79	152	58345	20.00	ng	0.00
21) Naphthalene-d8	11.67	136	238587	20.00	ng	0.00
38) Acenaphthene-d10	15.42	164	160328	20.00	ng	0.00
63) Phenanthrene-d10	18.15	188	403108	20.00	ng	0.00
75) Chrysene-d12	22.50	240	443152	20.00	ng	0.00
86) Perylene-d12	26.25	264	465369	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	442206	138.05	ng	0.00
7) Phenol-d6	7.89	99	501419	120.56	ng	0.00
23) Nitrobenzene-d5	9.99	82	356888	112.95	ng	0.00
41) 2,4,6-Tribromophenol	16.90	330	369012	150.84	ng	0.00
44) 2-Fluorobiphenyl	14.05	172	1238478	96.95	ng	0.00
78) Terphenyl-d14	20.69	244	2049245	105.65	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.99	70	47964	16.887	ng	# 69
32) Benzoic acid	10.89	122	239	6.779	ng	# 54
50) 2,6-Dinitrotoluene	15.42	165	20537	7.904	ng	# 20
56) 2,4-Dinitrotoluene	15.42	165	20537	6.147	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.73	198	569	8.546	ng	# 29
66) 4-Bromophenyl-phenylether	16.89	248	29458	5.054	ng	# 1

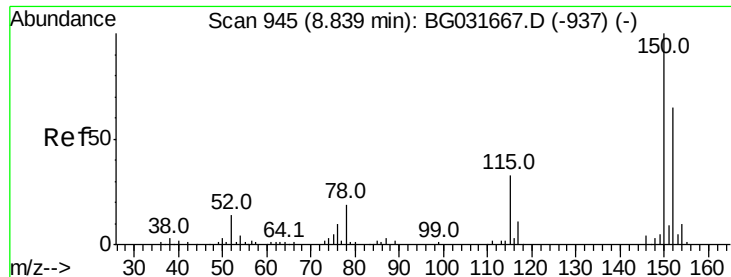
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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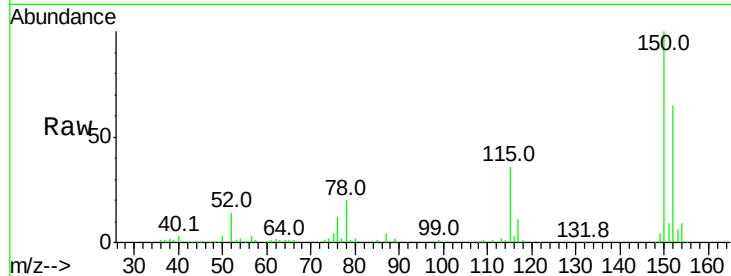


#1

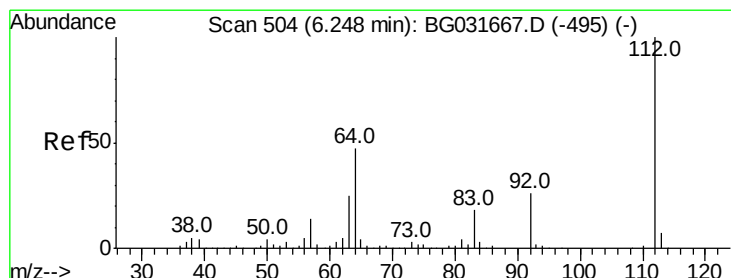
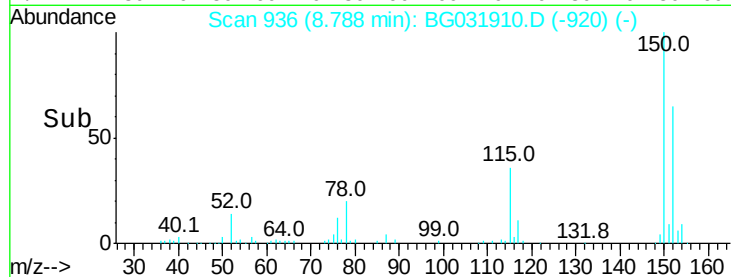
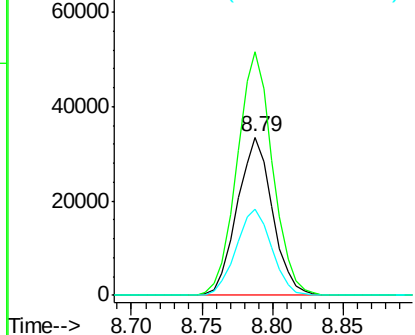
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.79 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: BG031910.D
 Acq: 4 Jan 2018 3:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 58345
 Ion Ratio Lower Upper
 152 100
 150 154.1 126.6 189.8
 115 54.9 53.0 79.4



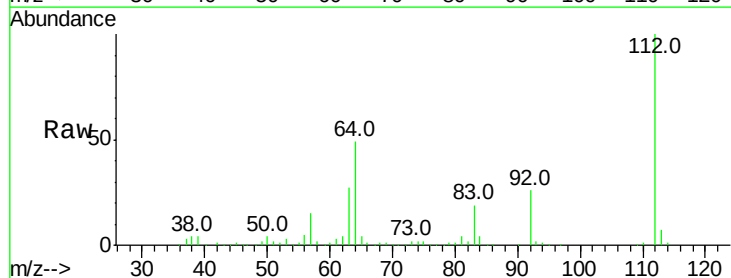
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



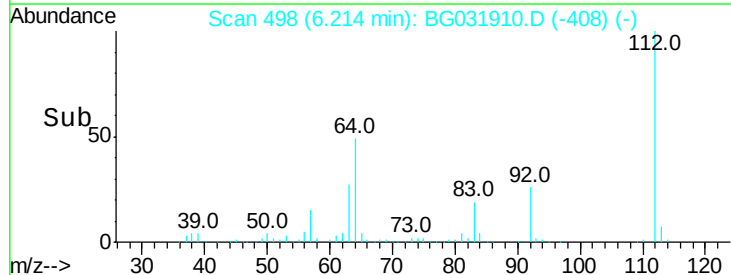
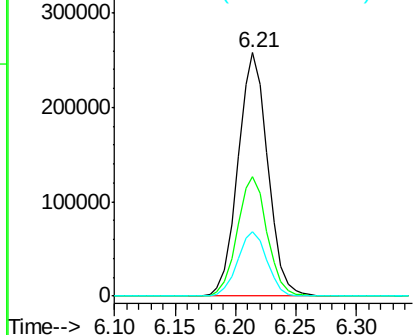
#5

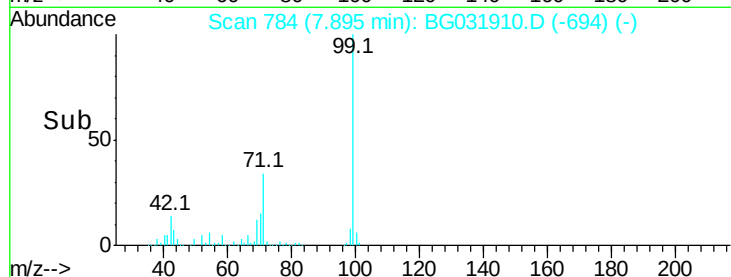
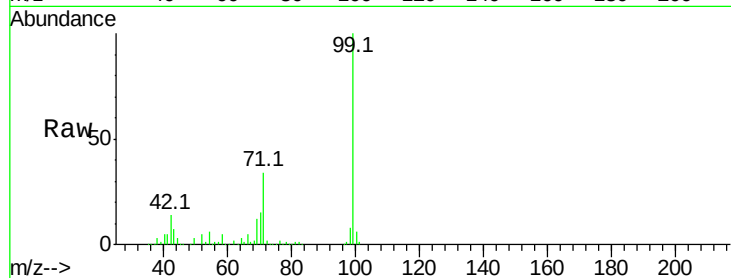
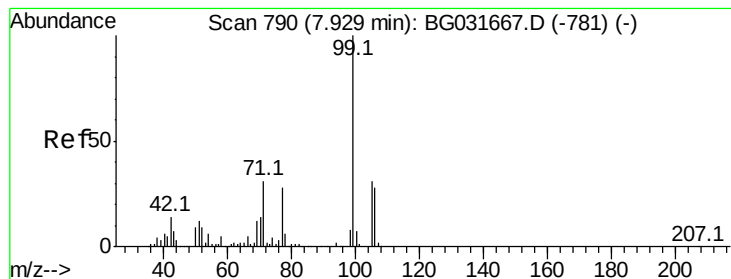
2-Fluorophenol
 Concen: 138.046 ng
 RT: 6.21 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: BG031910.D
 Acq: 4 Jan 2018 3:52

Tgt Ion:112 Resp: 442206
 Ion Ratio Lower Upper
 112 100
 64 49.3 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): BG0
 Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 120.563 ng

RT: 7.89 min Scan# 784

Delta R.T. 0.00 min

Lab File: BG031910.D

Acq: 4 Jan 2018 3:52

Instrument :

BNA_G

ClientSampleId :

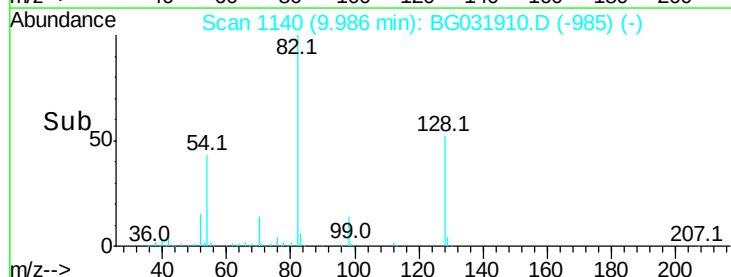
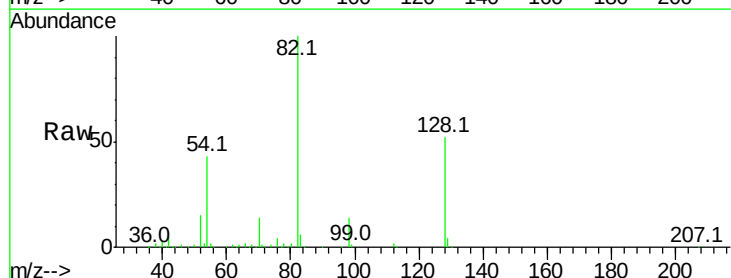
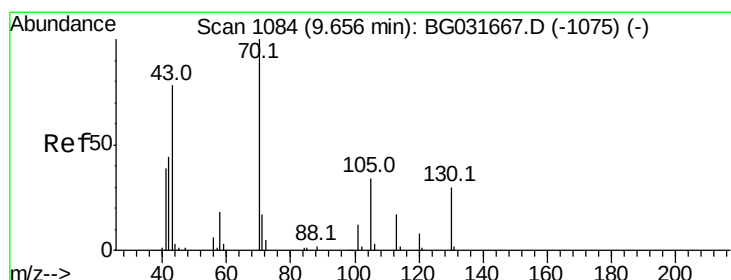
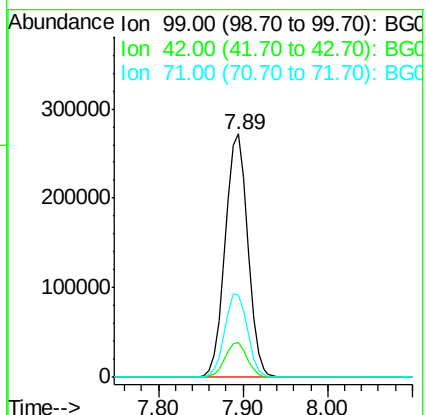
Tot Ion: 99 Resp: 501419

Ion Ratio Lower Upper

99 100

42 14.3 14.1 21.1

71 33.6 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 16.887 ng

RT: 9.99 min Scan# 1140

Delta R.T. 0.38 min

Lab File: BG031910.D

Acq: 4 Jan 2018 3:52

Tgt Ion: 70 Resp: 47964

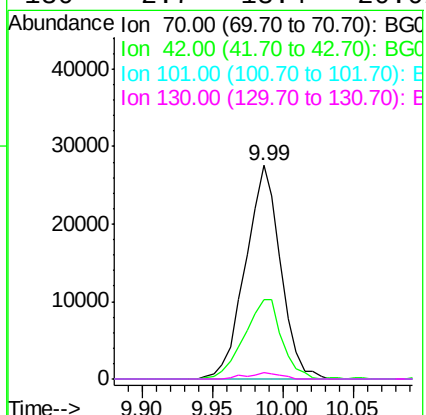
Ion Ratio Lower Upper

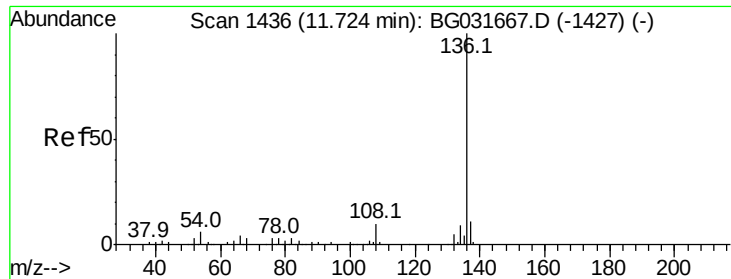
70 100

42 37.1 49.1 73.7#

101 0.0 8.5 12.7#

130 2.7 13.4 20.0#

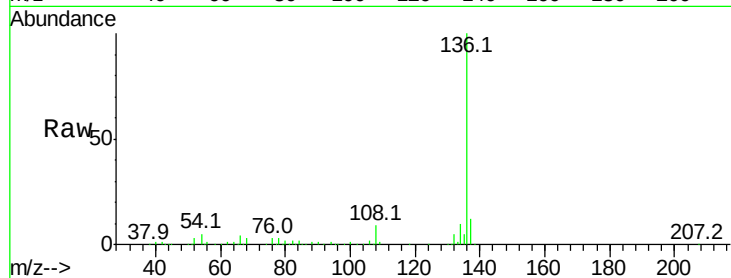




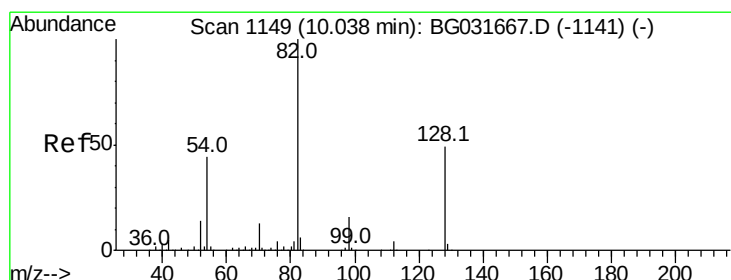
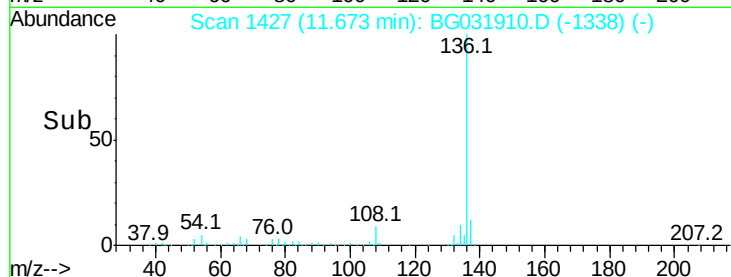
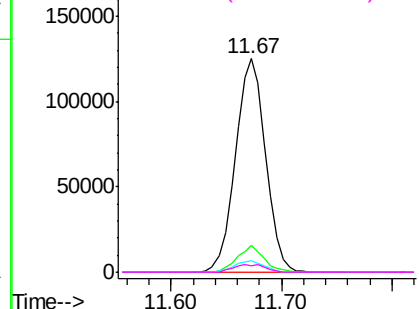
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.67 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BG031910.D
Acq: 4 Jan 2018 3:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp: 238587
Ion Ratio	Lower Upper
136 100	
137 12.4	9.2 13.8
54 5.2	10.3 15.5#
68 3.1	4.5 6.7#

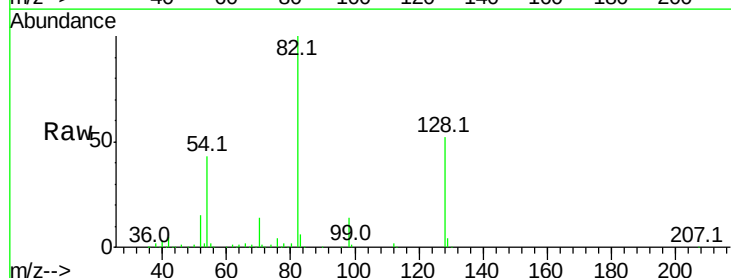


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

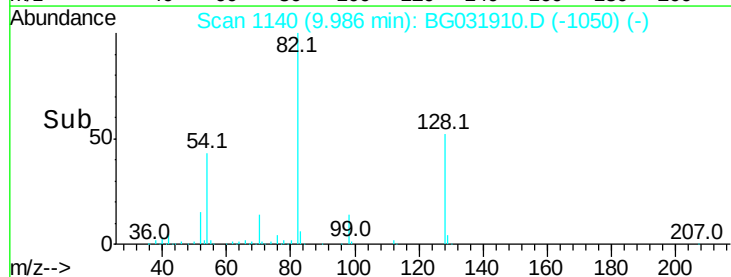
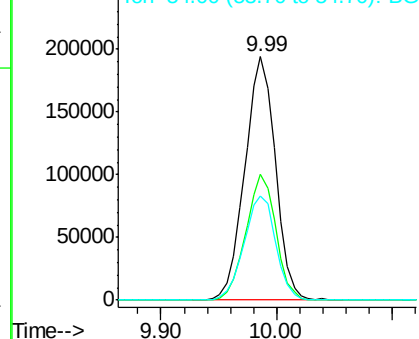


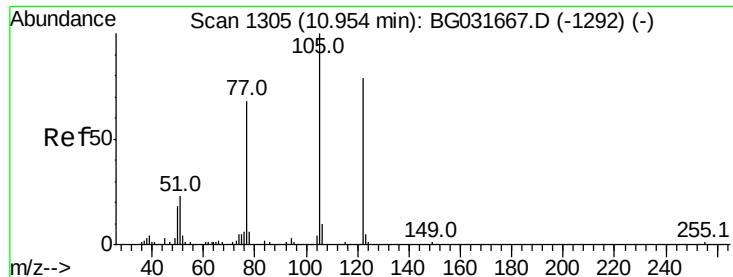
#23
Nitrobenzene-d5
Concen: 112.954 ng
RT: 9.99 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BG031910.D
Acq: 4 Jan 2018 3:52

Tgt Ion: 82	Resp: 356888
Ion Ratio	Lower Upper
82 100	
128 51.5	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





#32

Benzoic acid

Concen: 6.779 ng

RT: 10.89 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BG031910.D

Acq: 4 Jan 2018 3:52

Instrument :

BNA_G

ClientSampleId :

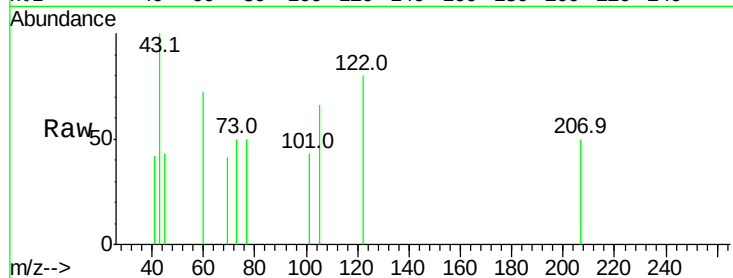
Tot Ion:122 Resp: 239

Ion Ratio Lower Upper

122 100

105 82.2 123.5 163.5#

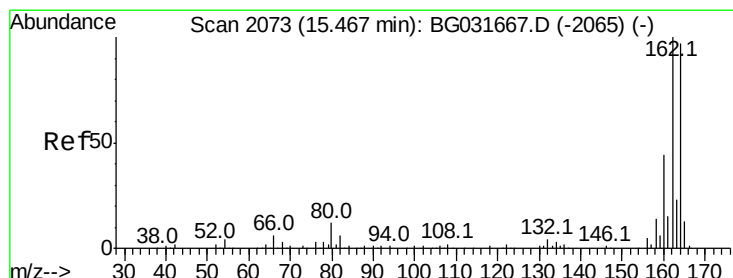
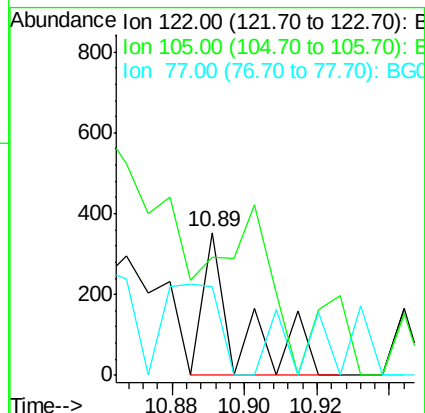
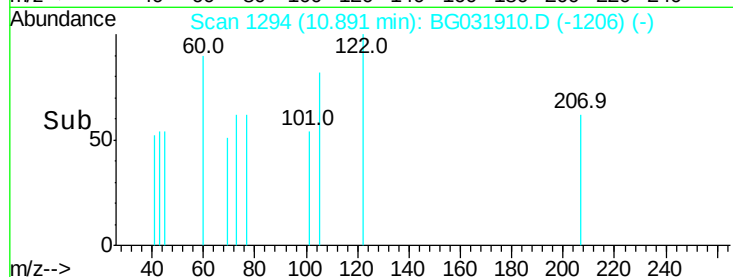
77 62.1 85.7 125.7#



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: BG031910.D

Acq: 4 Jan 2018 3:52

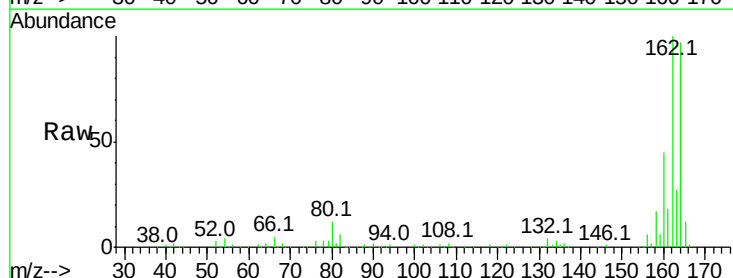
Tgt Ion:164 Resp: 160328

Ion Ratio Lower Upper

164 100

162 103.5 78.8 118.2

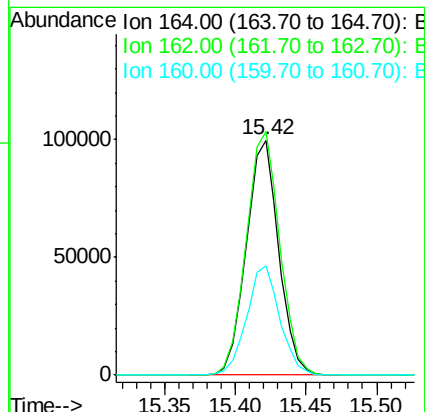
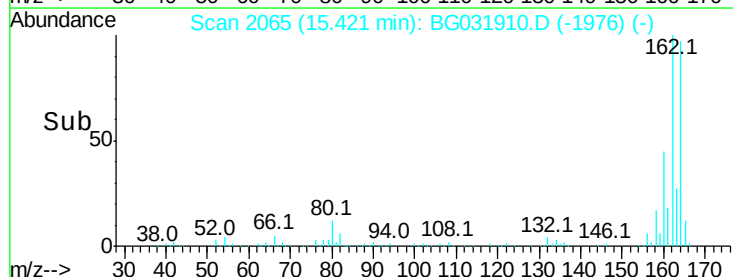
160 46.2 35.4 53.0

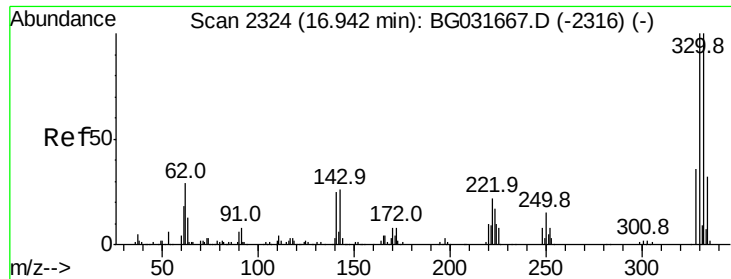


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

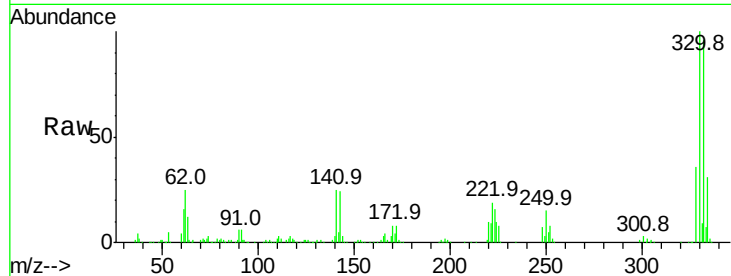




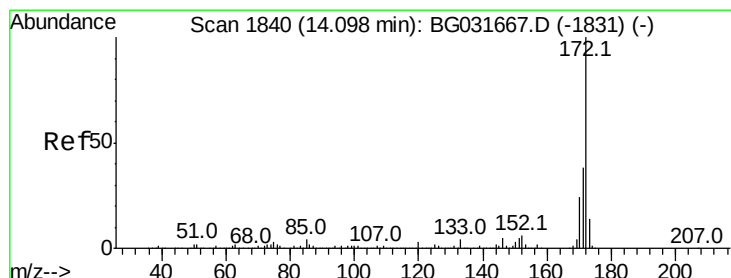
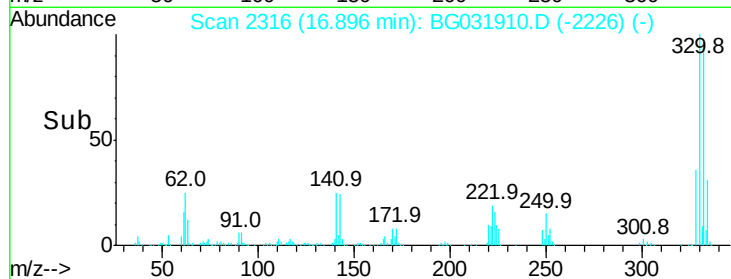
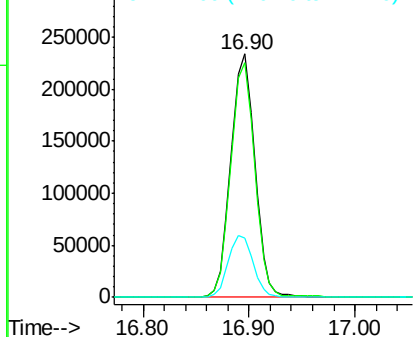
#41
 2,4,6-Tribromophenol
 Concen: 150.840 ng
 RT: 16.90 min Scan# 2316
 Delta R.T. 0.00 min
 Lab File: BG031910.D
 Acq: 4 Jan 2018 3:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	26.4	25.2	37.8

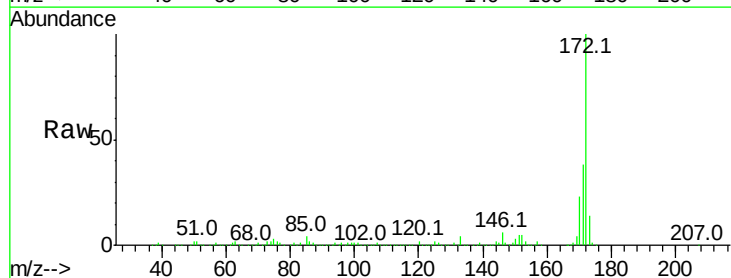


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

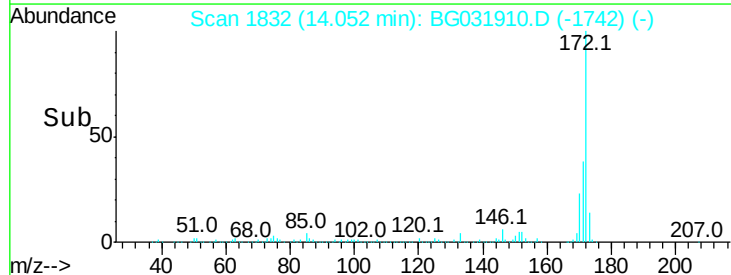
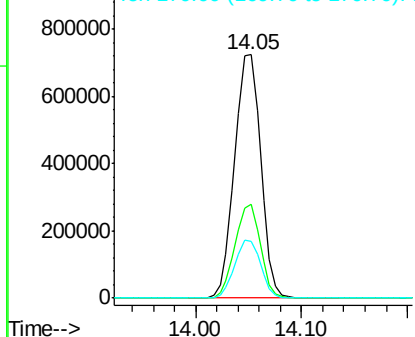


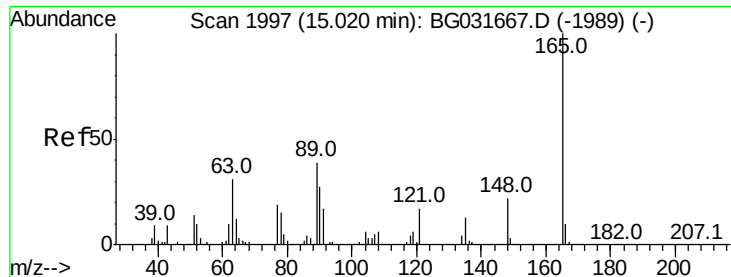
#44
 2-Fluorobiphenyl
 Concen: 96.955 ng
 RT: 14.05 min Scan# 1832
 Delta R.T. 0.00 min
 Lab File: BG031910.D
 Acq: 4 Jan 2018 3:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	30.0	45.0
170	23.3	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

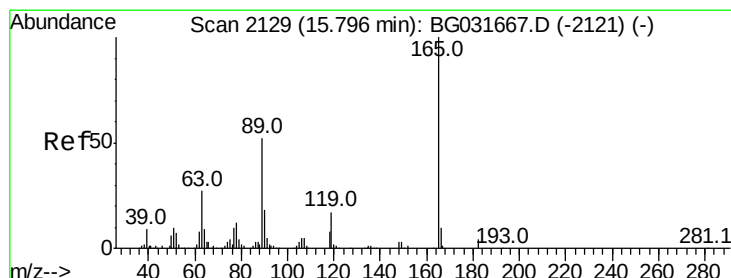
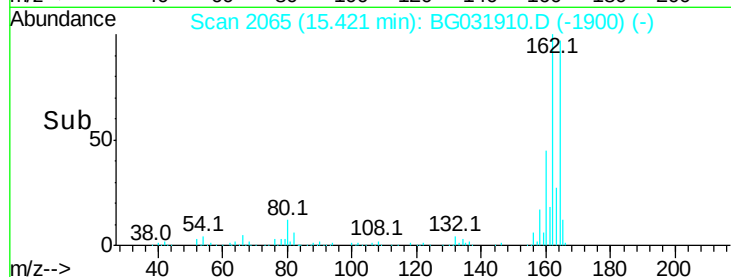
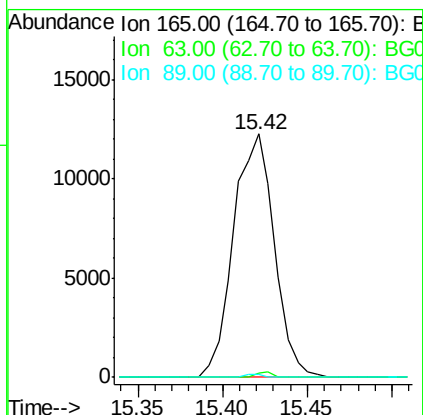
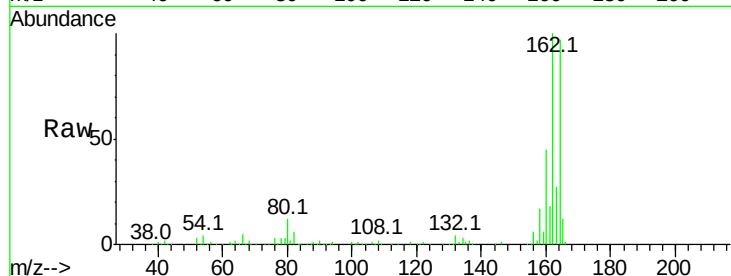




#50
2,6-Dinitrotoluene
Concen: 7.904 ng
RT: 15.42 min Scan# 2065
Delta R.T. 0.44 min
Lab File: BG031910.D
Acq: 4 Jan 2018 3:52

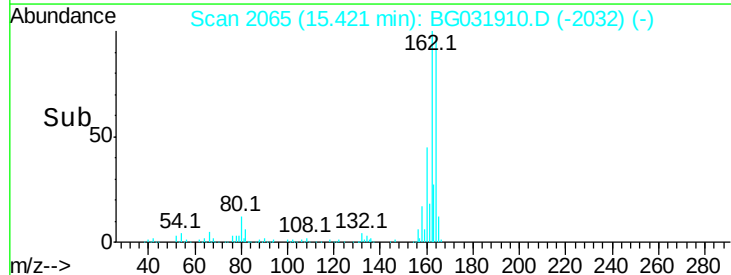
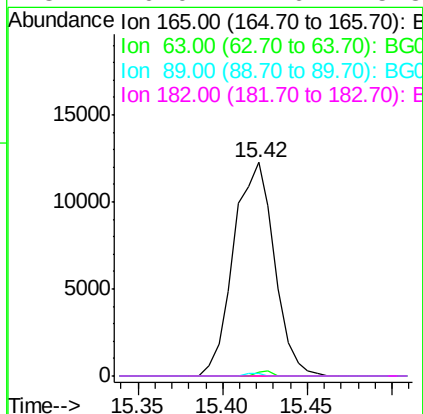
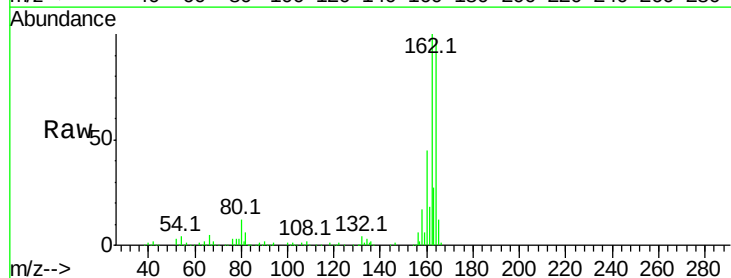
Instrument :
BNA_G
ClientSampleId :

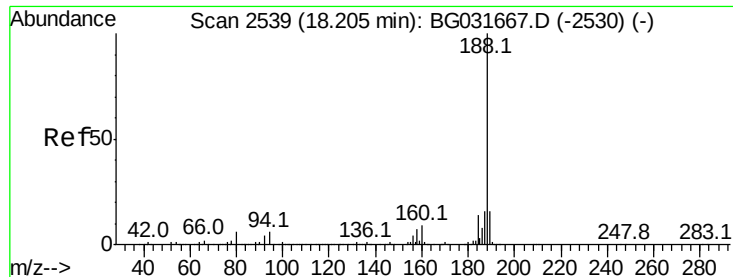
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	52.7	79.1#
89	1.4	49.2	73.8#



#56
2,4-Dinitrotoluene
Concen: 6.147 ng
RT: 15.42 min Scan# 2065
Delta R.T. -0.33 min
Lab File: BG031910.D
Acq: 4 Jan 2018 3:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	42.0	63.0#
89	1.4	66.9	100.3#
182	0.0	2.6	3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.15 min Scan# 2530

Delta R.T. -0.01 min

Lab File: BG031910.D

Acq: 4 Jan 2018 3:52

Instrument :

BNA_G

ClientSampleId :

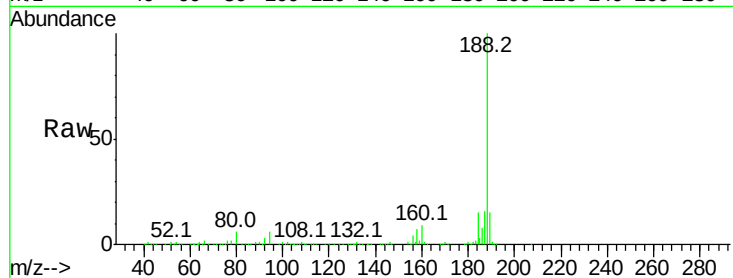
Tot Ion:188 Resp: 403108

Ion Ratio Lower Upper

188 100

94 5.7 6.9 10.3#

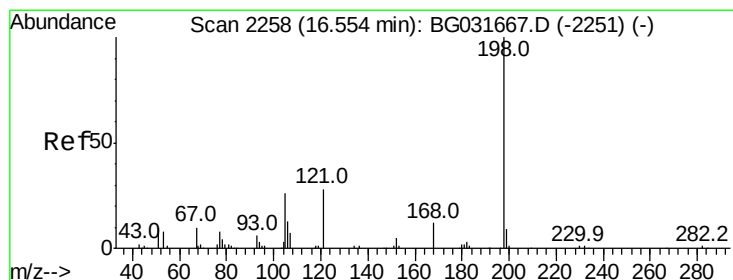
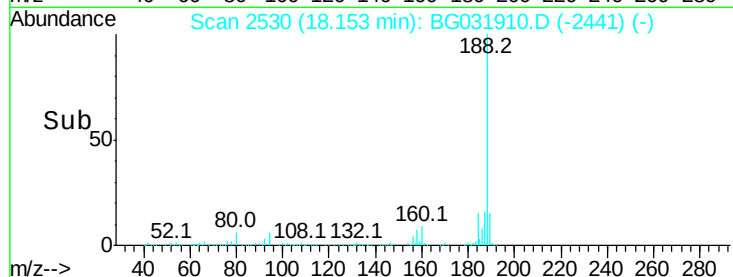
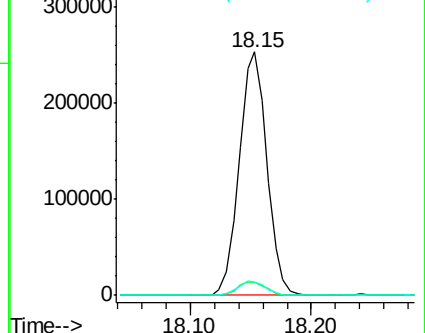
80 5.7 7.7 11.5#



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: 8.546 ng

RT: 16.73 min Scan# 2287

Delta R.T. 0.21 min

Lab File: BG031910.D

Acq: 4 Jan 2018 3:52

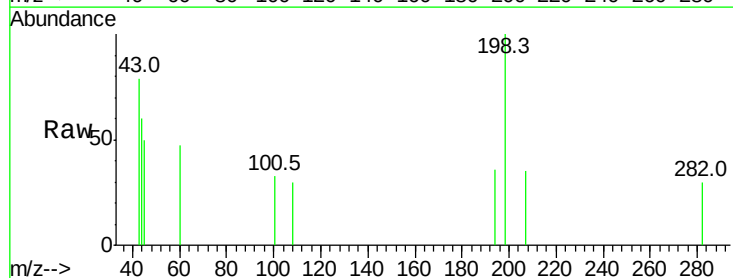
Tgt Ion:198 Resp: 569

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

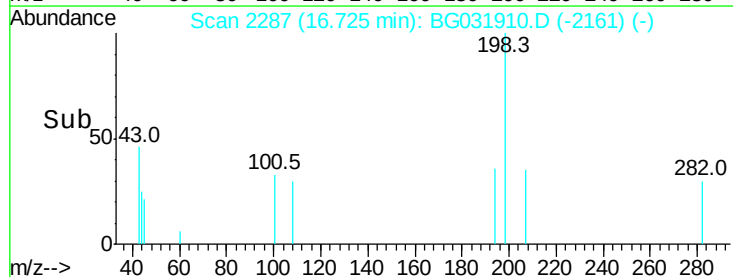
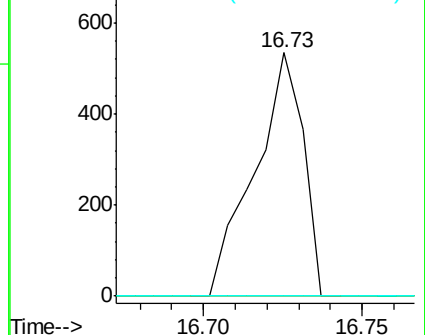
105 0.0 23.8 63.8#

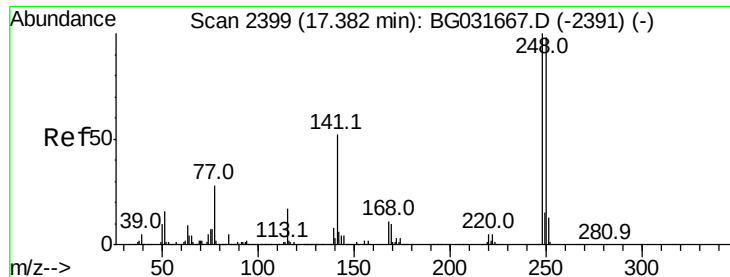


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

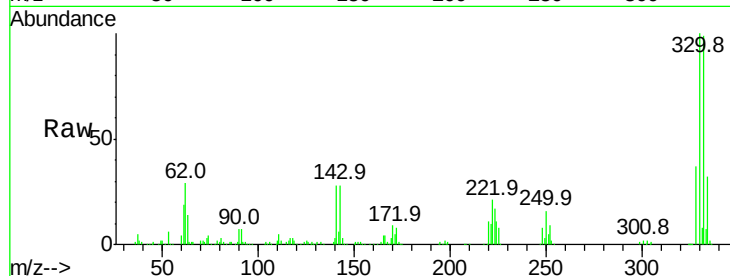




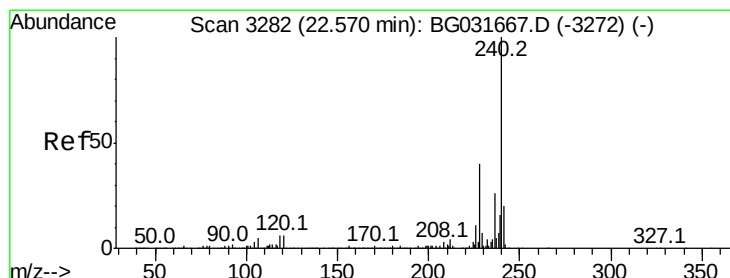
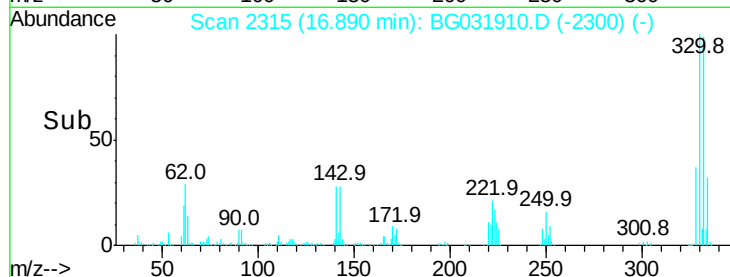
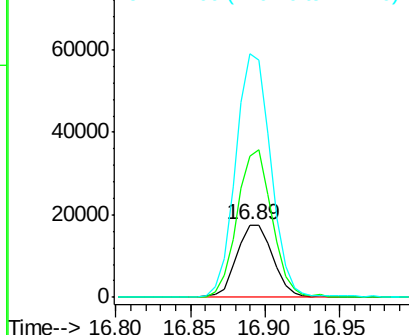
#66
4-Bromophenyl-phenylether
Concen: 5.054 ng
RT: 16.89 min Scan# 2315
Delta R.T. -0.44 min
Lab File: BG031910.D
Acq: 4 Jan 2018 3:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 29458
Ion Ratio Lower Upper
248 100
250 194.4 77.1 115.7#
141 336.1 50.8 76.2#

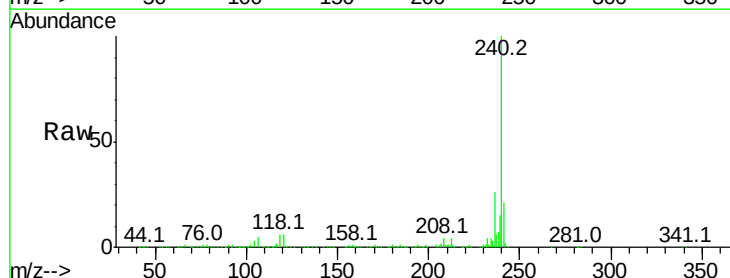


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

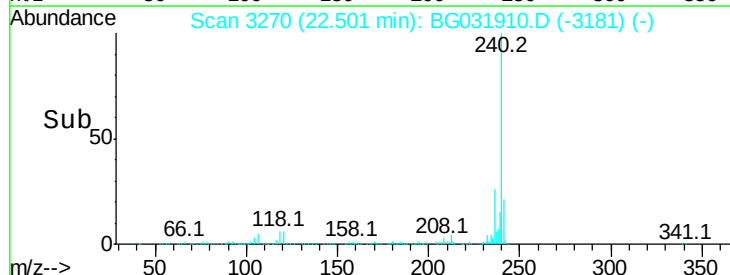
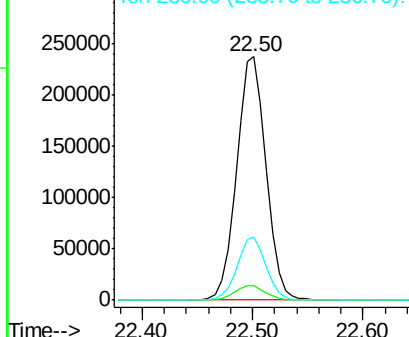


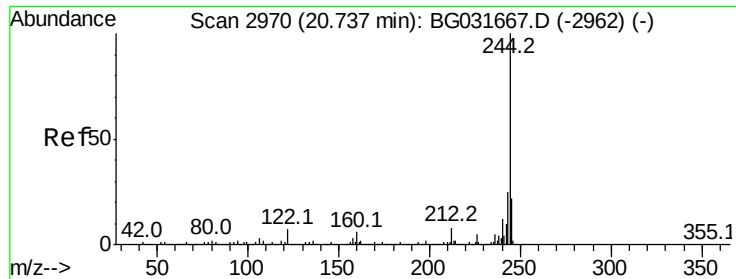
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.50 min Scan# 3270
Delta R.T. -0.01 min
Lab File: BG031910.D
Acq: 4 Jan 2018 3:52

Tgt Ion:240 Resp: 443152
Ion Ratio Lower Upper
240 100
120 6.1 6.8 10.2#
236 26.2 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: 105.648 ng

RT: 20.69 min Scan# 2961

Delta R.T. -0.01 min

Lab File: BG031910.D

Acq: 4 Jan 2018 3:52

Instrument :

BNA_G

ClientSampleId :

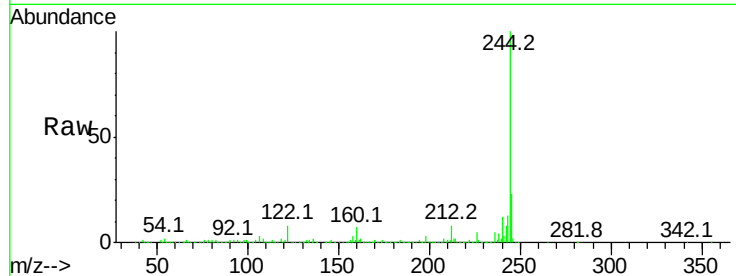
Tot Ion:244 Resp: 2049245

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

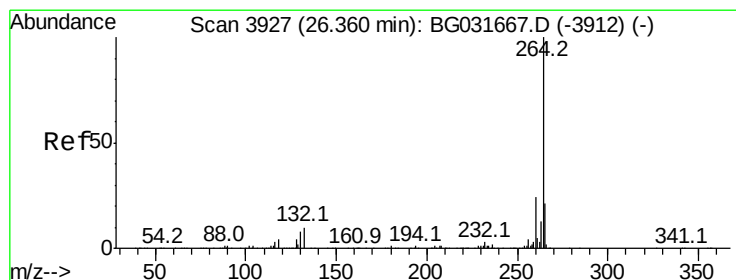
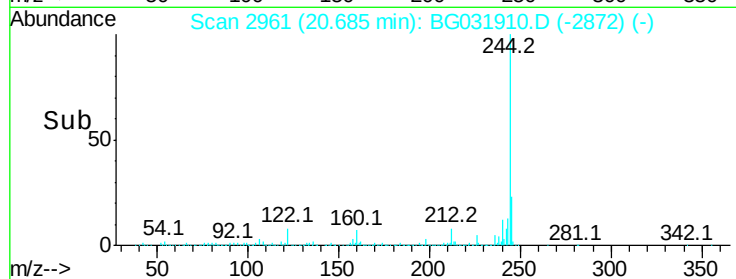
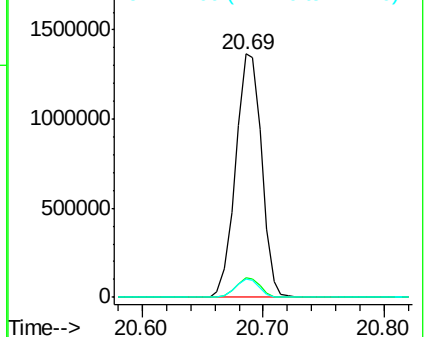
122 7.8 7.0 10.4



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# 3908

Delta R.T. -0.01 min

Lab File: BG031910.D

Acq: 4 Jan 2018 3:52

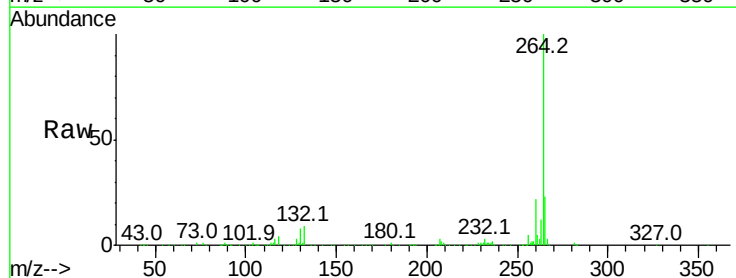
Tgt Ion:264 Resp: 465369

Ion Ratio Lower Upper

264 100

260 22.2 17.4 26.0

265 22.5 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

