

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011718\
 Data File : BG032111.D
 Acq On : 17 Jan 2018 21:43
 Operator : SJ/JU
 Sample : J1165-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 18 05:19:31 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

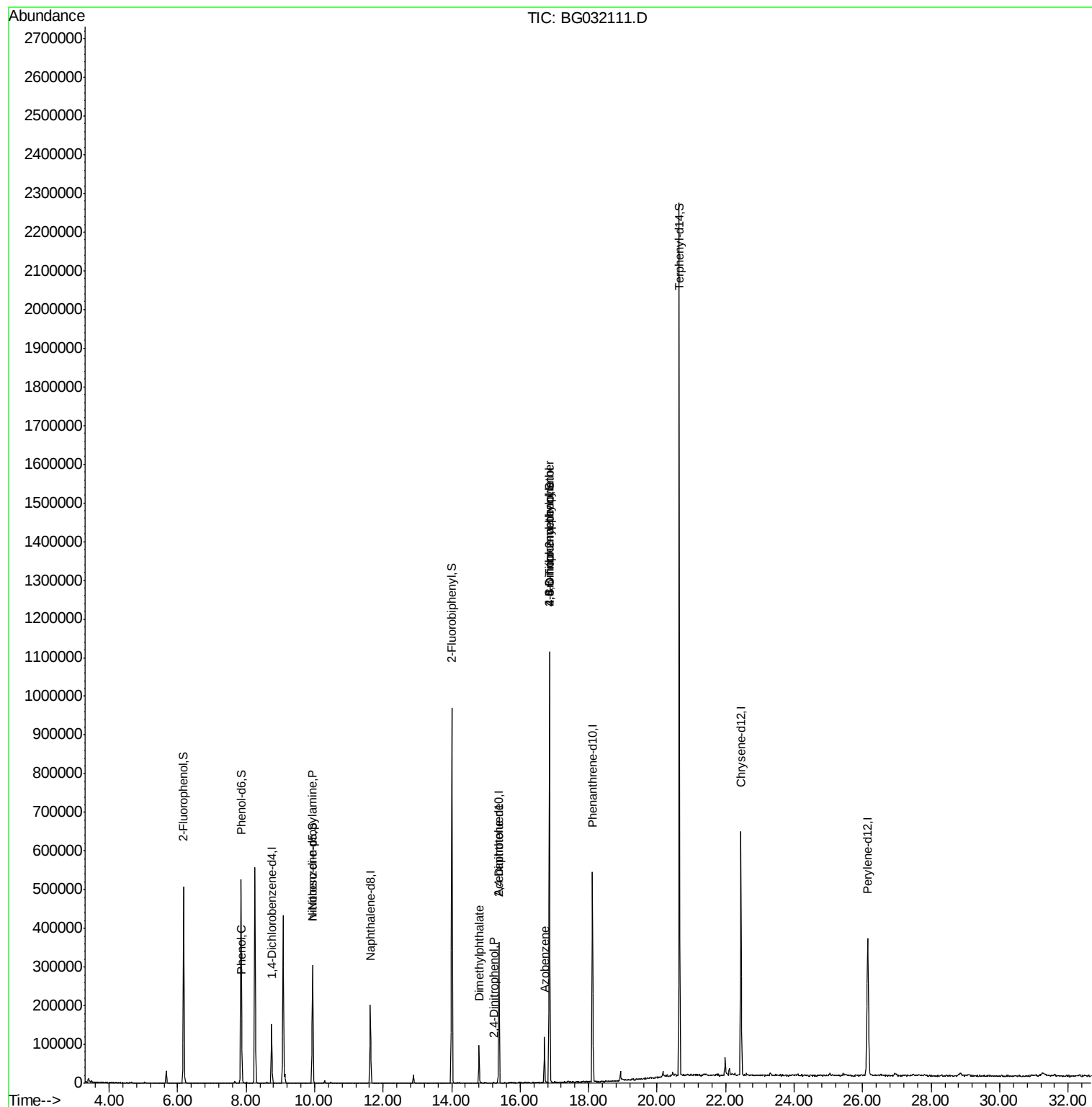
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	51660	20.00	ng	-0.03
21) Naphthalene-d8	11.63	136	204888	20.00	ng	-0.03
38) Acenaphthene-d10	15.38	164	143982	20.00	ng	-0.03
63) Phenanthrene-d10	18.11	188	383819	20.00	ng	-0.03
75) Chrysene-d12	22.44	240	461245	20.00	ng	-0.04
86) Perylene-d12	26.15	264	486559	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	266022	94.18	ng	-0.03
7) Phenol-d6	7.85	99	330470	92.90	ng	-0.03
23) Nitrobenzene-d5	9.94	82	196843	65.00	ng	-0.03
41) 2,4,6-Tribromophenol	16.86	330	251085	105.38	ng	-0.02
44) 2-Fluorobiphenyl	14.01	172	588941	50.72	ng	-0.03
78) Terphenyl-d14	20.65	244	1193424	57.13	ng	-0.03
Target Compounds						
10) Phenol	7.87	94	11663	3.328	ng	95
19) n-Nitroso-di-n-propylamine	9.94	70	27071	12.265	ng	# 74
49) Dimethylphthalate	14.80	163	70979	5.633	ng	97
53) 2,4-Dinitrophenol	15.23	184	56	7.003	ng	# 1
56) 2,4-Dinitrotoluene	15.38	165	18545	5.267	ng	# 18
62) Azobenzene	16.71	77	29030	3.797	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.86	198	886	5.208	ng	# 58
66) 4-Bromophenyl-phenylether	16.86	248	20817	3.812	ng	# 1

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

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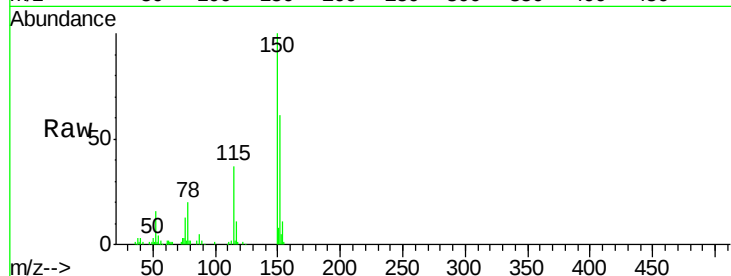


#1

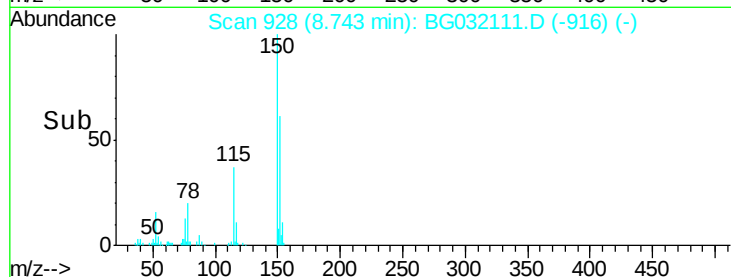
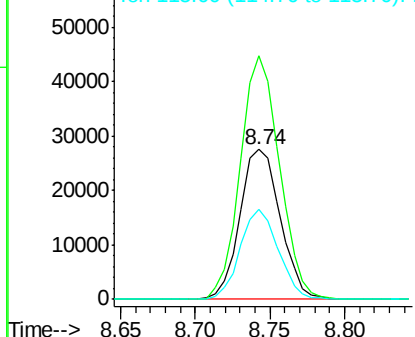
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. -0.03 min
Lab File: BG032111.D
Acq: 17 Jan 2018 21:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 51660
Ion Ratio Lower Upper
152 100
150 162.7 126.6 189.8
115 60.5 53.0 79.4



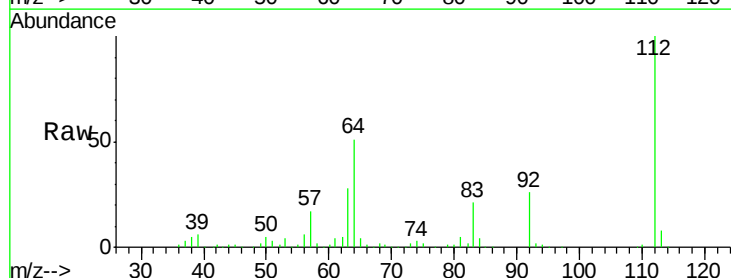
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



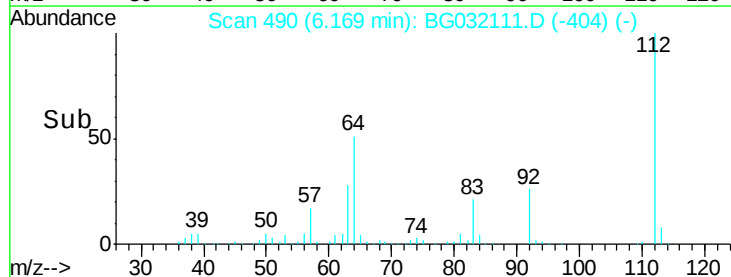
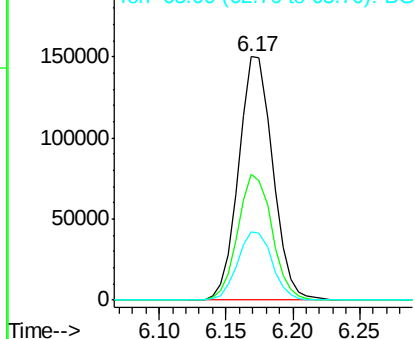
#5

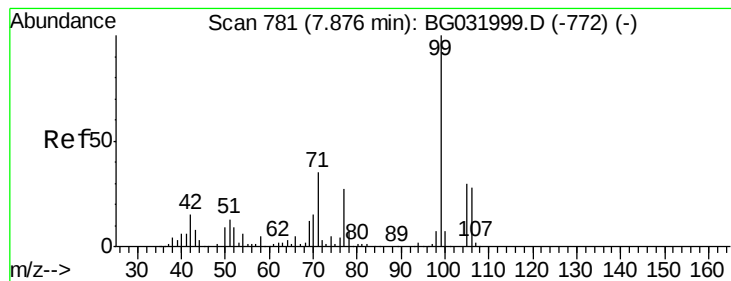
2-Fluorophenol
Concen: 94.180 ng
RT: 6.17 min Scan# 490
Delta R.T. -0.03 min
Lab File: BG032111.D
Acq: 17 Jan 2018 21:43

Tgt Ion:112 Resp: 266022
Ion Ratio Lower Upper
112 100
64 51.5 56.3 84.5#
63 27.8 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: 92.896 ng

RT: 7.85 min Scan# 776

Delta R.T. -0.03 min

Lab File: BG032111.D

Acq: 17 Jan 2018 21:43

Instrument :

BNA_G

ClientSampled :

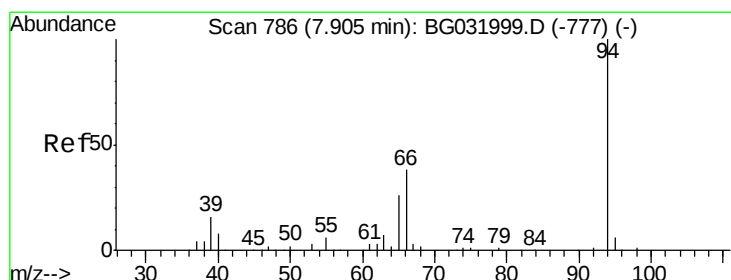
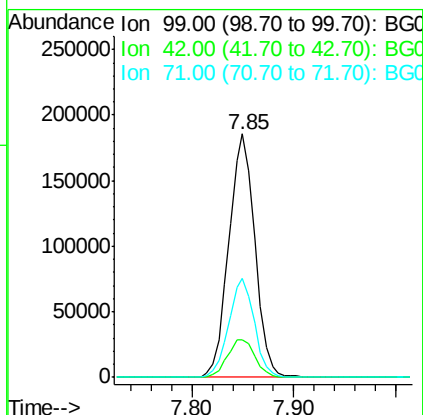
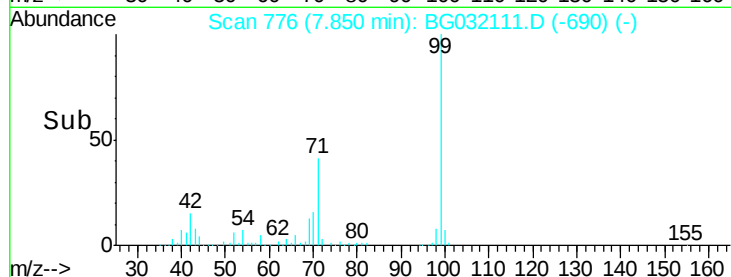
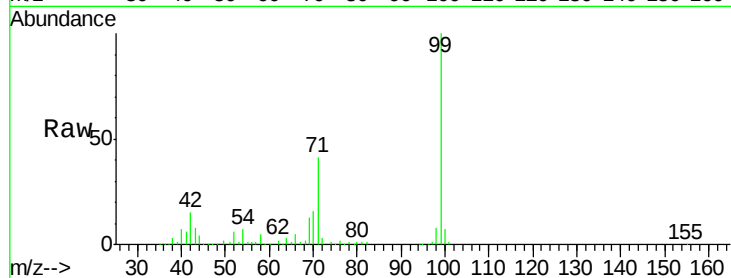
Tot Ion: 99 Resp: 330470

Ion Ratio Lower Upper

99 100

42 15.4 14.1 21.1

71 40.9 26.1 39.1#



#10

Phenol

Concen: 3.328 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.03 min

Lab File: BG032111.D

Acq: 17 Jan 2018 21:43

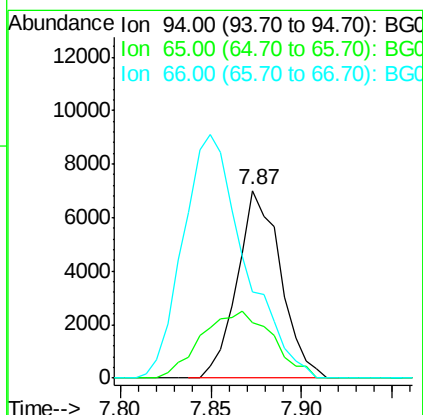
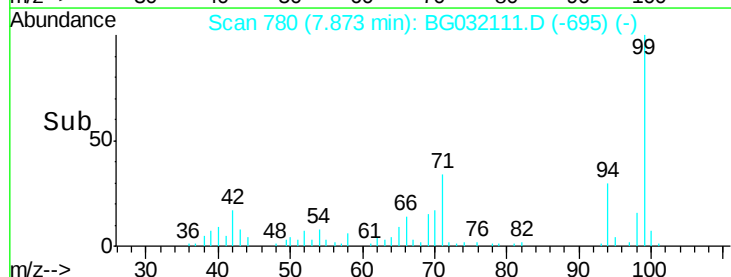
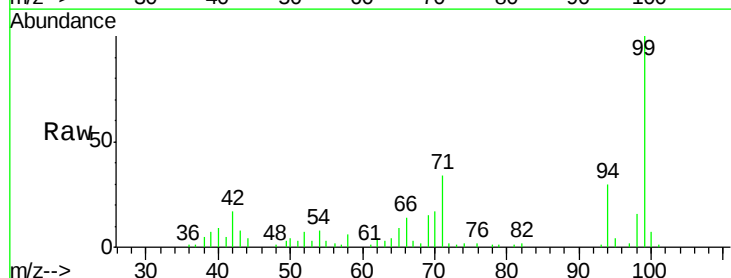
Tgt Ion: 94 Resp: 11663

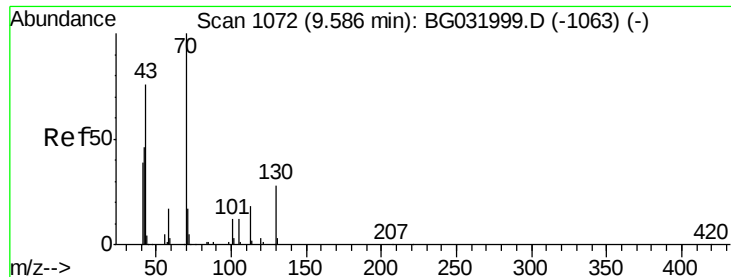
Ion Ratio Lower Upper

94 100

65 29.4 11.9 51.9

66 46.1 22.2 62.2

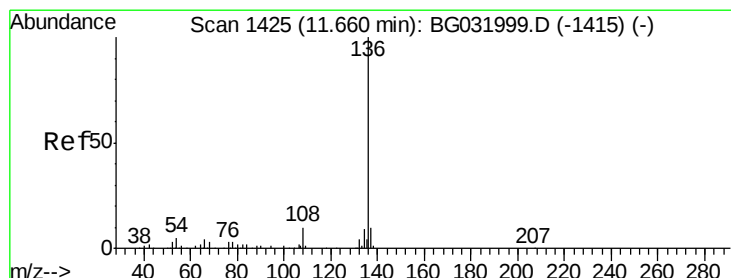
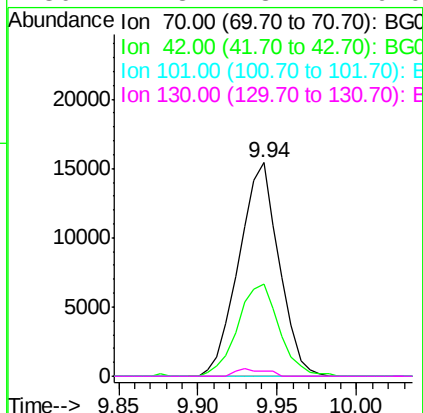
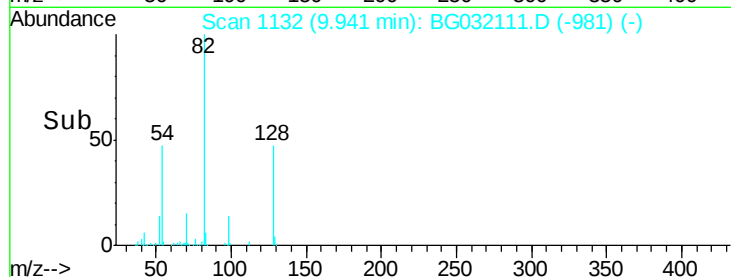
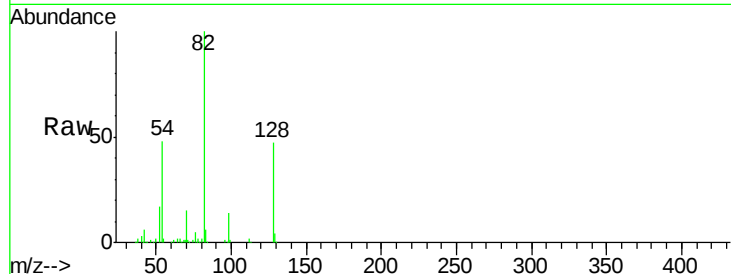




#19
n-Nitroso-di-n-propylamine
Concen: 12.265 ng
RT: 9.94 min Scan# 1132
Delta R.T. 0.36 min
Lab File: BG032111.D
Acq: 17 Jan 2018 21:43

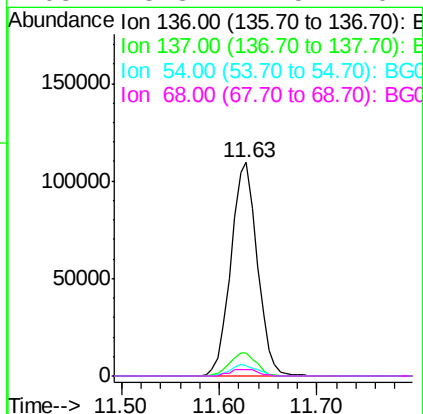
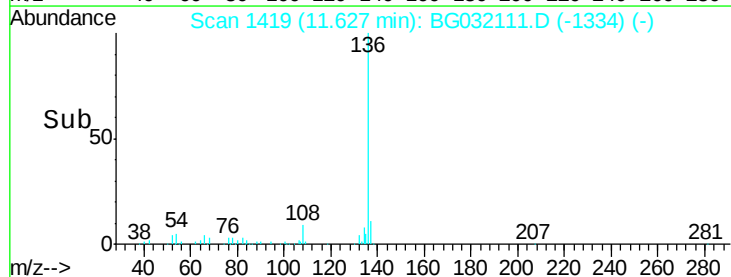
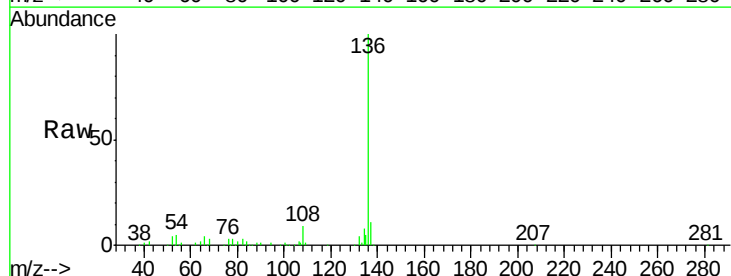
Instrument :
BNA_G
ClientSampleId :

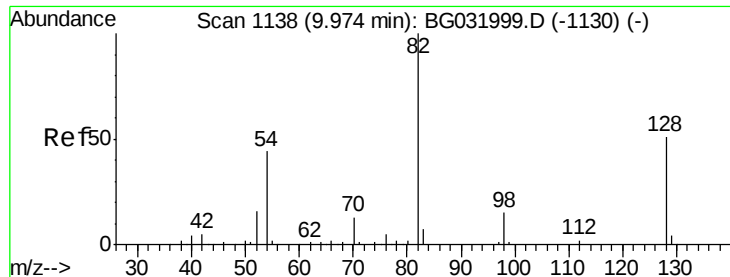
Tot Ion: 70 Resp: 27071
Ion Ratio Lower Upper
70 100
42 43.1 49.1 73.7#
101 0.0 8.5 12.7#
130 2.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.63 min Scan# 1419
Delta R.T. -0.03 min
Lab File: BG032111.D
Acq: 17 Jan 2018 21:43

Tgt Ion: 136 Resp: 204888
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 4.8 10.3 15.5#
68 3.3 4.5 6.7#

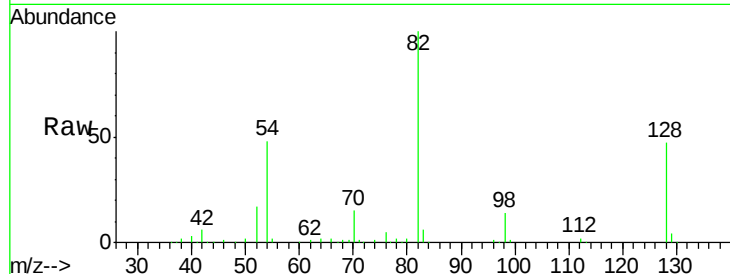




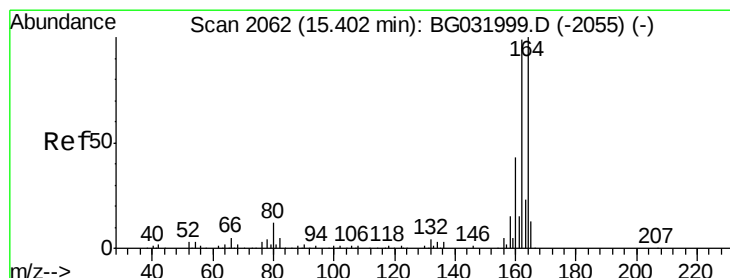
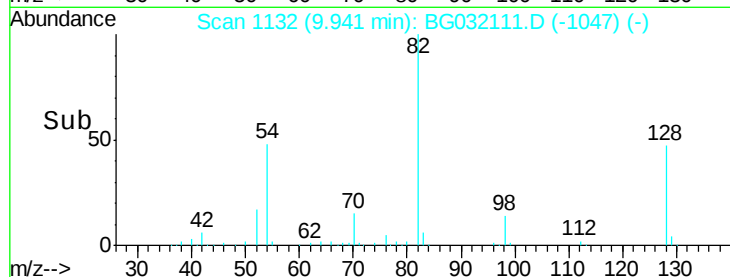
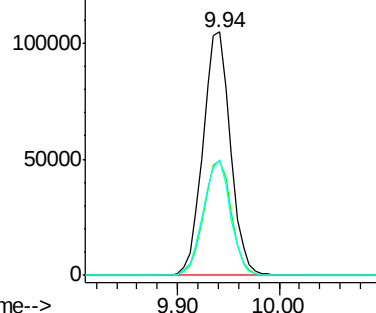
#23
Nitrobenzene-d5
Concen: 64.998 ng
RT: 9.94 min Scan# 1132
Delta R.T. -0.03 min
Lab File: BG032111.D
Acq: 17 Jan 2018 21:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	196843
Ion Ratio	Lower	Upper	
82	100		
128	47.0	29.7	44.5#
54	47.5	43.1	64.7

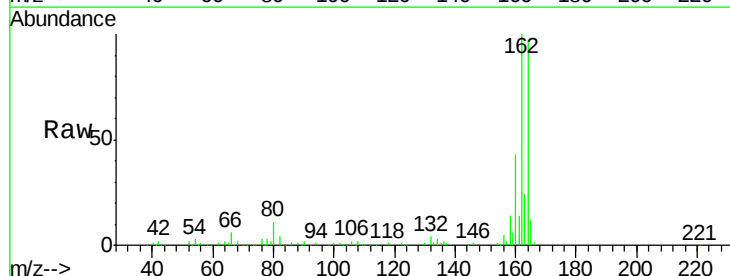


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

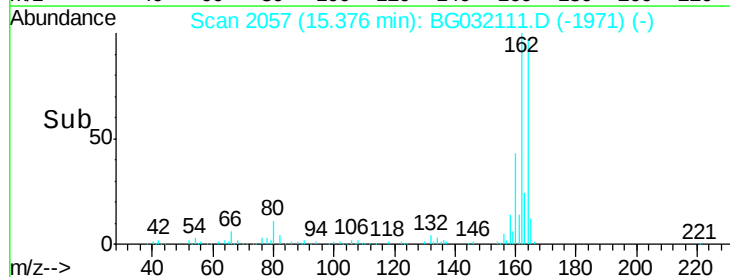
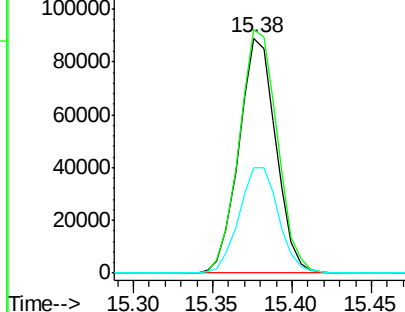


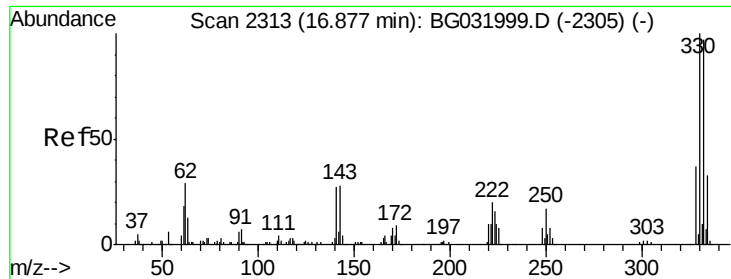
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.38 min Scan# 2057
Delta R.T. -0.03 min
Lab File: BG032111.D
Acq: 17 Jan 2018 21:43

Tgt Ion	164	Resp	143982
Ion Ratio	Lower	Upper	
164	100		
162	103.6	78.8	118.2
160	44.8	35.4	53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

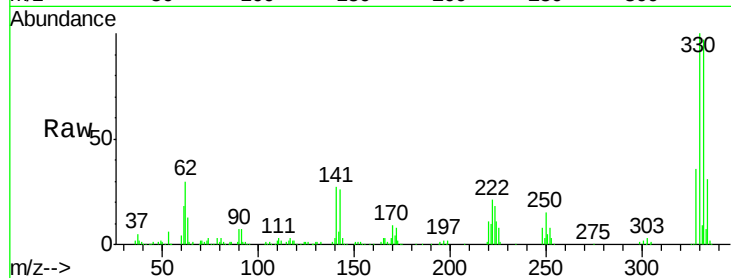




#41
 2,4,6-Tribromophenol
 Concen: 105.384 ng
 RT: 16.86 min Scan# 2309
 Delta R.T. -0.02 min
 Lab File: BG032111.D
 Acq: 17 Jan 2018 21:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	29.1	25.2	37.8

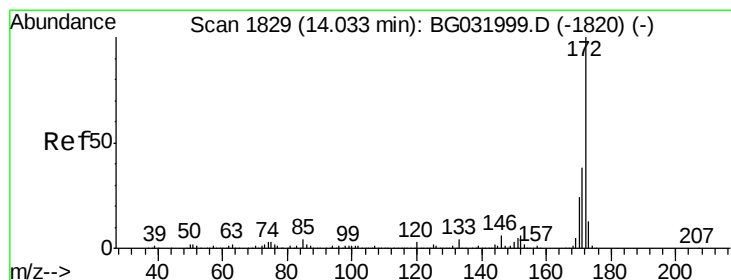
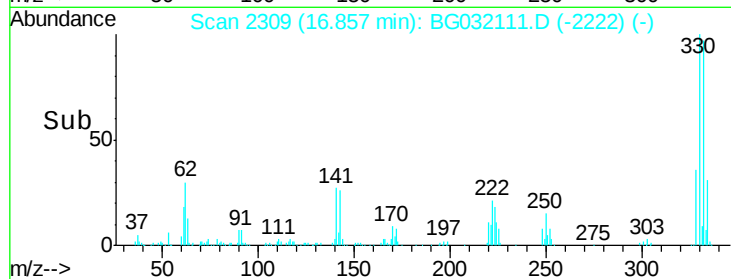
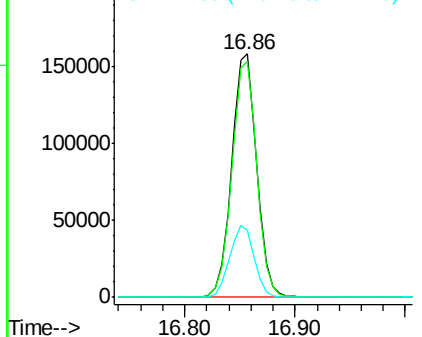


Abundance

Ion 329.80 (329.50 to 330.50): E

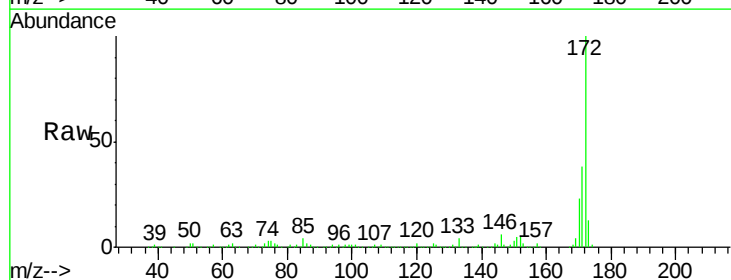
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 50.719 ng
 RT: 14.01 min Scan# 1824
 Delta R.T. -0.03 min
 Lab File: BG032111.D
 Acq: 17 Jan 2018 21:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.0	45.0
170	23.4	19.5	29.3

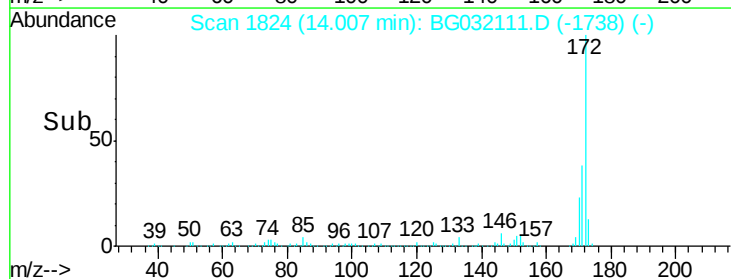
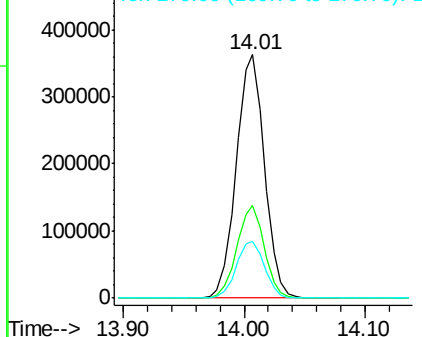


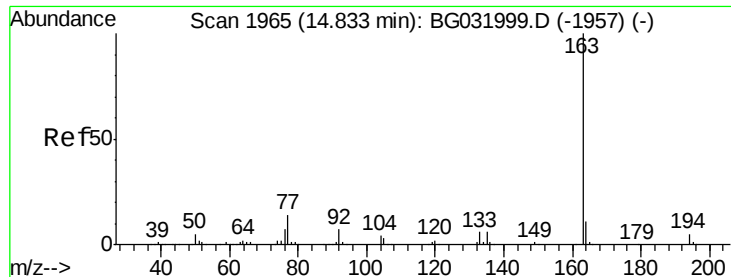
Abundance

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





#49

Dimethylphthalate

Concen: 5.633 ng

RT: 14.80 min Scan# 1959

Delta R.T. -0.03 min

Lab File: BG032111.D

Acq: 17 Jan 2018 21:43

Instrument :

BNA_G

ClientSampleId :

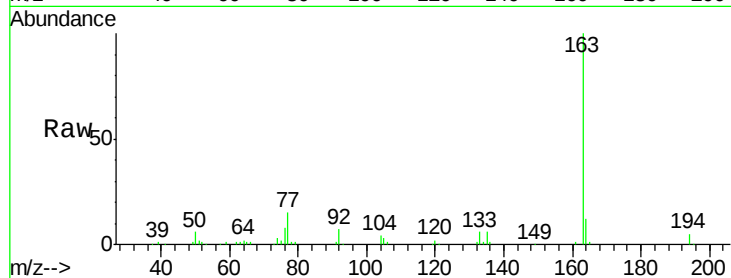
Tot Ion:163 Resp: 70979

Ion Ratio Lower Upper

163 100

194 4.9 3.4 5.2

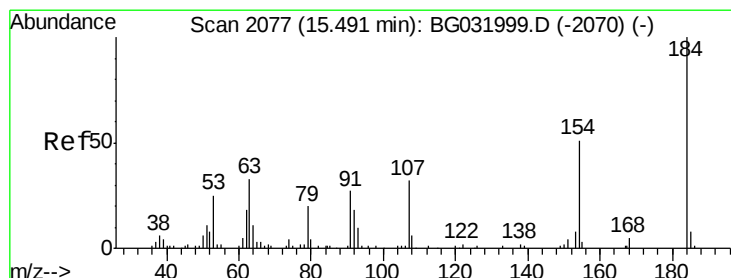
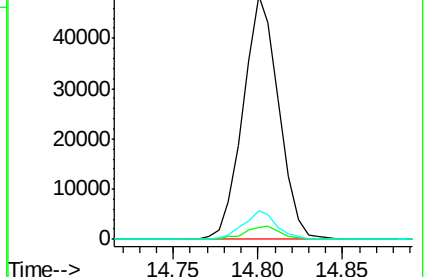
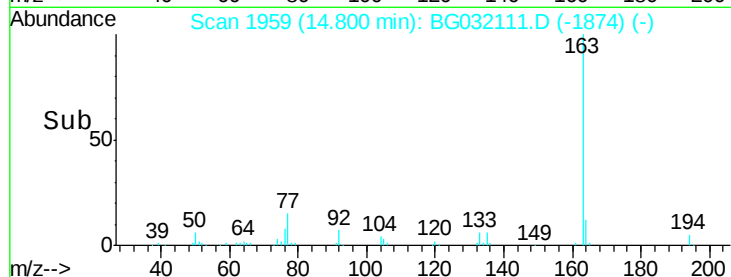
164 11.7 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#53

2,4-Dinitrophenol

Concen: 7.003 ng

RT: 15.23 min Scan# 2033

Delta R.T. -0.26 min

Lab File: BG032111.D

Acq: 17 Jan 2018 21:43

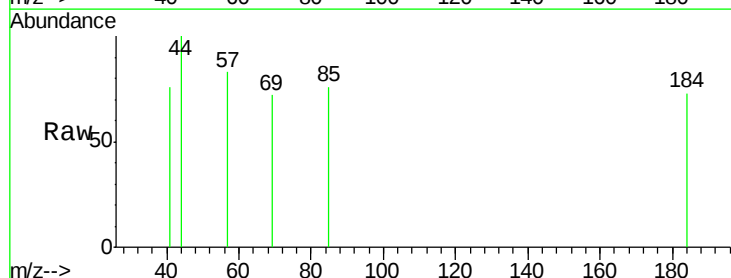
Tgt Ion:184 Resp: 56

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

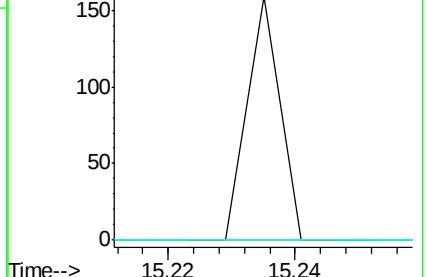
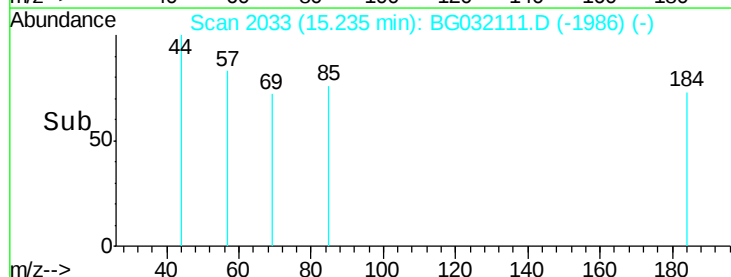
154 0.0 101.8 152.8#

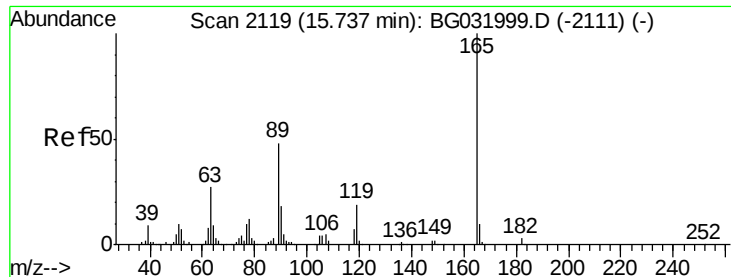


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

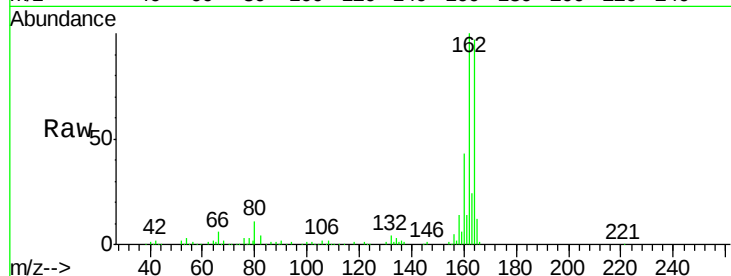




#56
 2,4-Dinitrotoluene
 Concen: 5.267 ng
 RT: 15.38 min Scan# 2057
 Delta R.T. -0.36 min
 Lab File: BG032111.D
 Acq: 17 Jan 2018 21:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.5	66.9	100.3#
182	0.0	2.6	3.8#



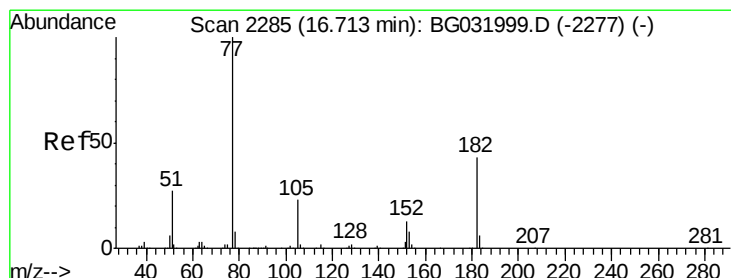
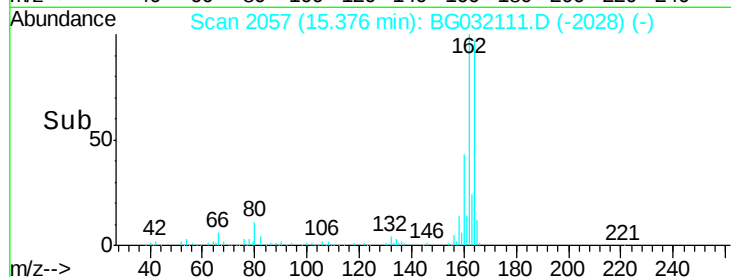
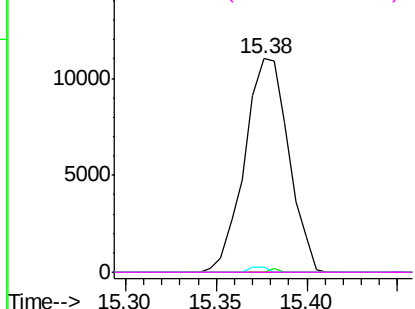
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

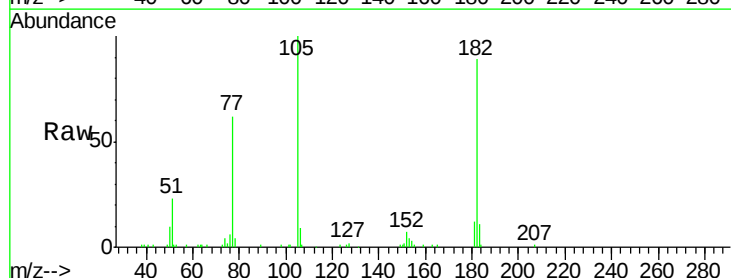
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#62
 Azobenzene
 Concen: 3.797 ng
 RT: 16.71 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: BG032111.D
 Acq: 17 Jan 2018 21:43

Tgt Ion	Ratio	Lower	Upper
77	100		
182	144.0	7.4	47.4#
105	162.5	0.3	40.3#
51	37.0	11.6	51.6



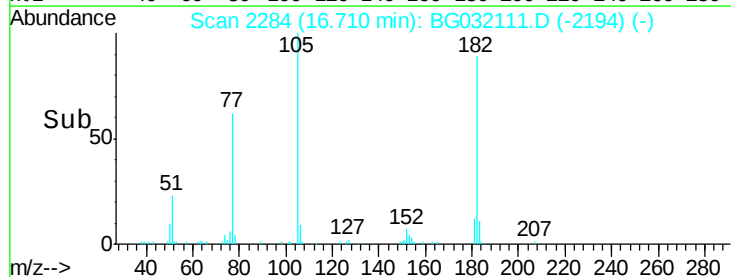
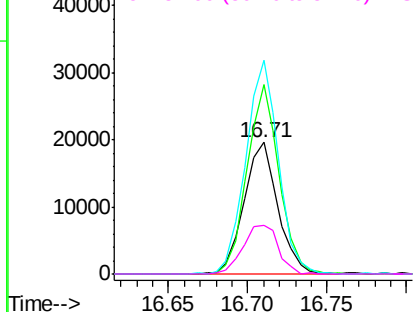
Abundance

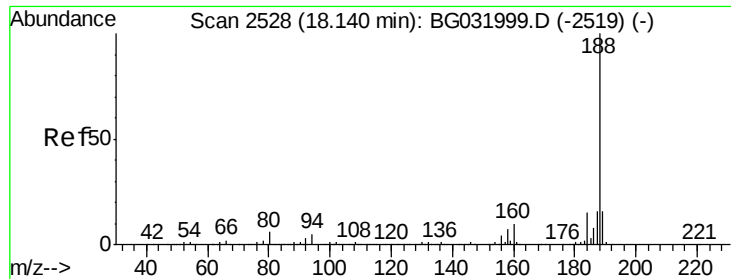
Ion 77.00 (76.70 to 77.70): BGC

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: 18.11 min Scan# 2523

Delta R.T. -0.03 min

Lab File: BG032111.D

Acq: 17 Jan 2018 21:43

Instrument :

BNA_G

ClientSampleId :

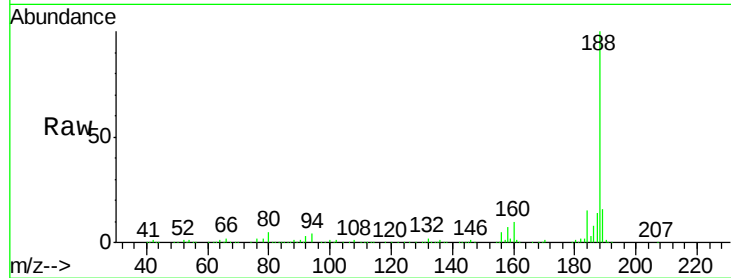
Tot Ion:188 Resp: 383819

Ion Ratio Lower Upper

188 100

94 4.4 6.9 10.3#

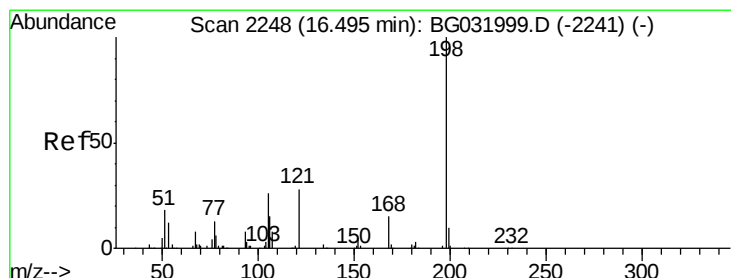
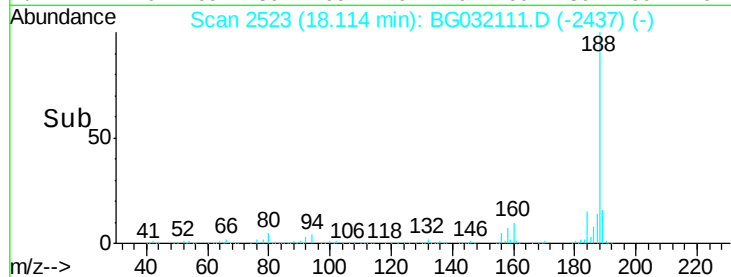
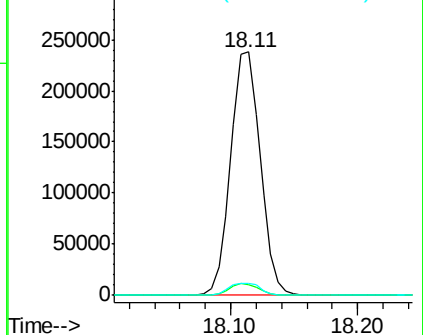
80 4.7 7.7 11.5#



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: 5.208 ng

RT: 16.86 min Scan# 2309

Delta R.T. 0.36 min

Lab File: BG032111.D

Acq: 17 Jan 2018 21:43

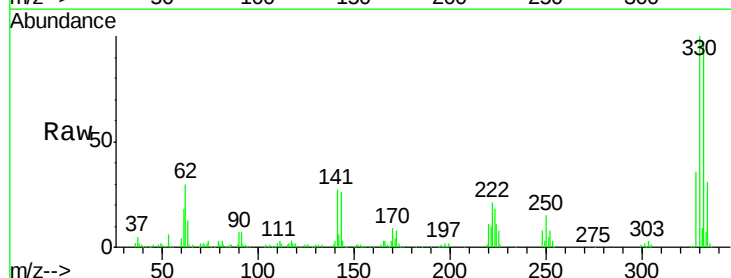
Tgt Ion:198 Resp: 886

Ion Ratio Lower Upper

198 100

51 45.9 30.6 70.6

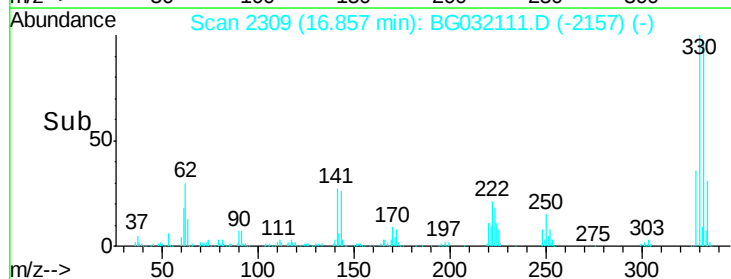
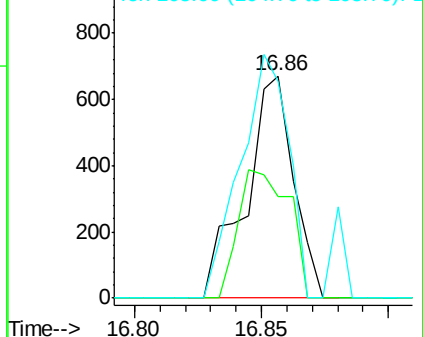
105 97.6 23.8 63.8#

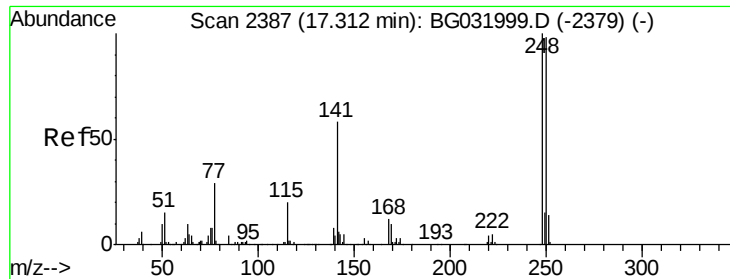


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

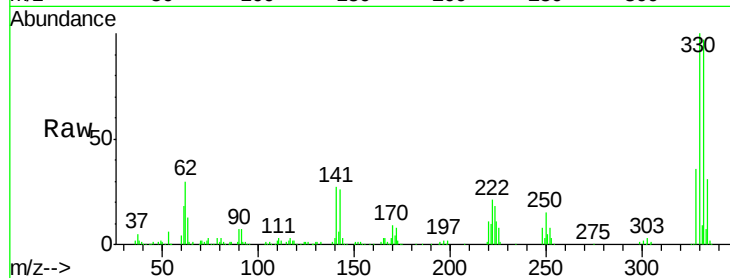




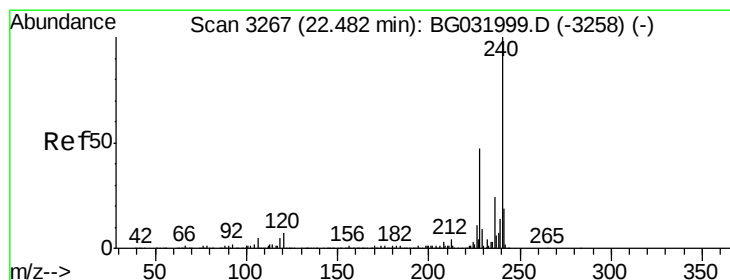
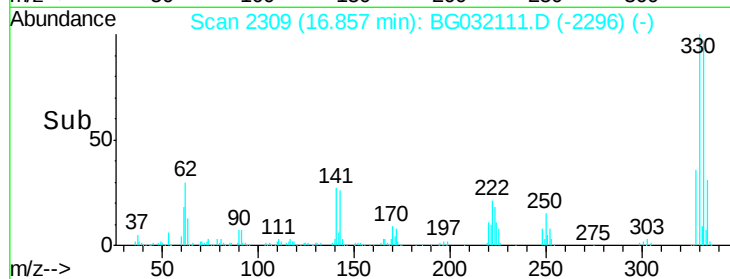
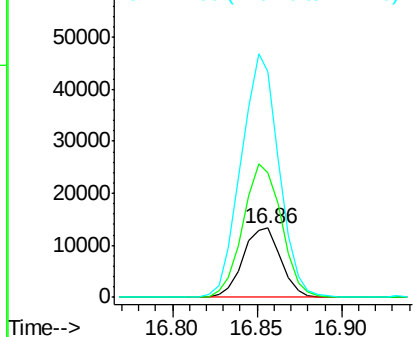
#66
4-Bromophenyl-phenylether
Concen: 3.812 ng
RT: 16.86 min Scan# 2309
Delta R.T. -0.46 min
Lab File: BG032111.D
Acq: 17 Jan 2018 21:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 20817
Ion Ratio Lower Upper
248 100
250 180.3 77.1 115.7#
141 325.3 50.8 76.2#

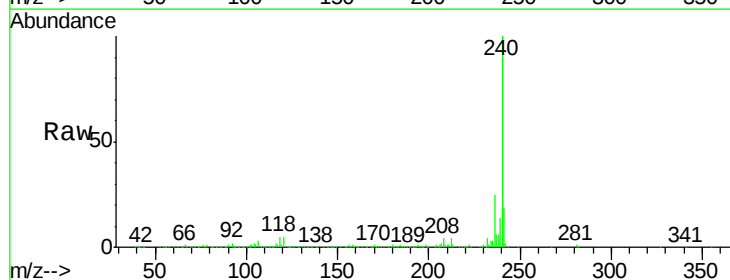


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

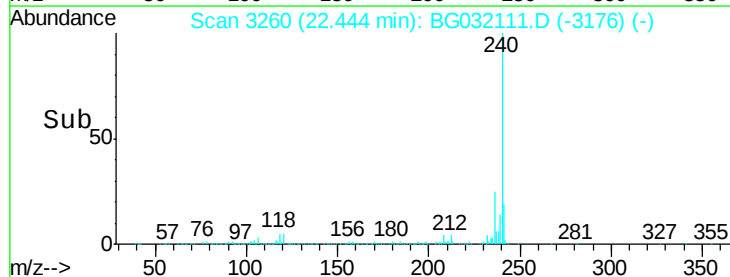
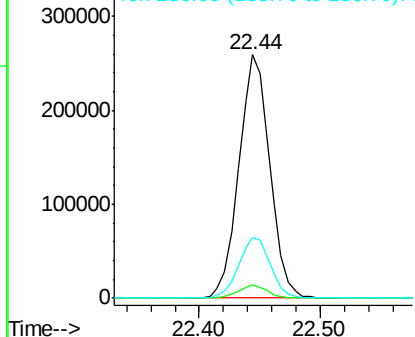


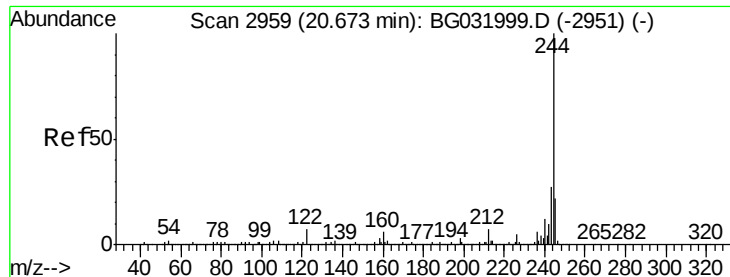
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.44 min Scan# 3260
Delta R.T. -0.04 min
Lab File: BG032111.D
Acq: 17 Jan 2018 21:43

Tgt Ion:240 Resp: 461245
Ion Ratio Lower Upper
240 100
120 5.4 6.8 10.2#
236 25.0 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: 57.131 ng

RT: 20.65 min Scan# 2954

Delta R.T. -0.03 min

Lab File: BG032111.D

Acq: 17 Jan 2018 21:43

Instrument :

BNA_G

ClientSampleId :

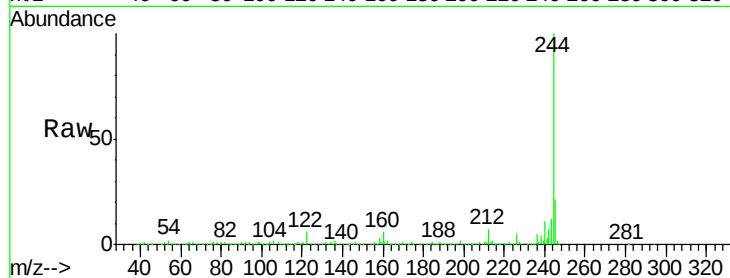
Tot Ion:244 Resp: 1193424

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

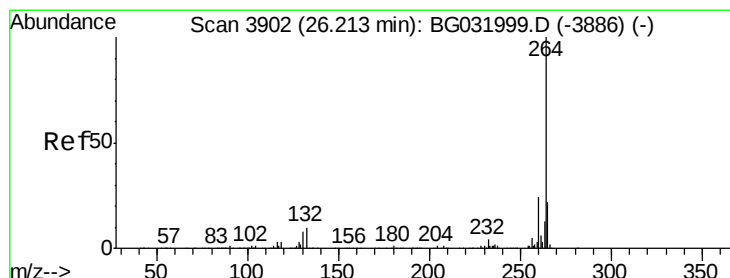
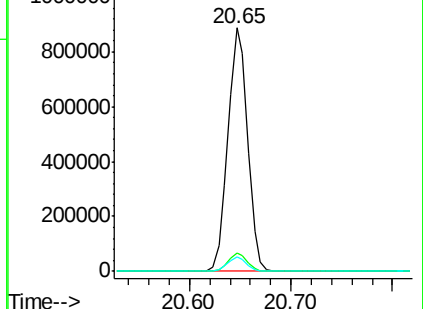
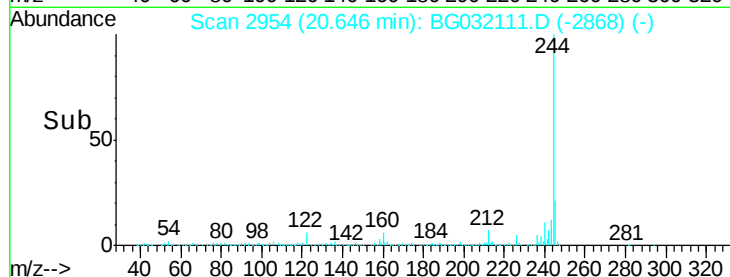
122 6.2 7.0 10.4#



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: 26.15 min Scan# 3890

Delta R.T. -0.07 min

Lab File: BG032111.D

Acq: 17 Jan 2018 21:43

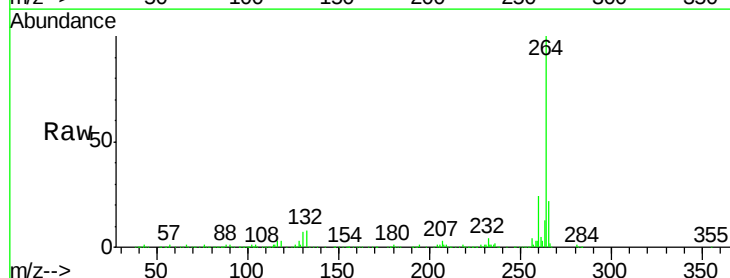
Tgt Ion:264 Resp: 486559

Ion Ratio Lower Upper

264 100

260 23.9 17.4 26.0

265 21.8 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

