

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040918\
 Data File : BG033684.D
 Acq On : 9 Apr 2018 17:16
 Operator : SJ/JU
 Sample : J2282-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 10 05:57:30 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 05 17:36:07 2018
 Response via : Initial Calibration

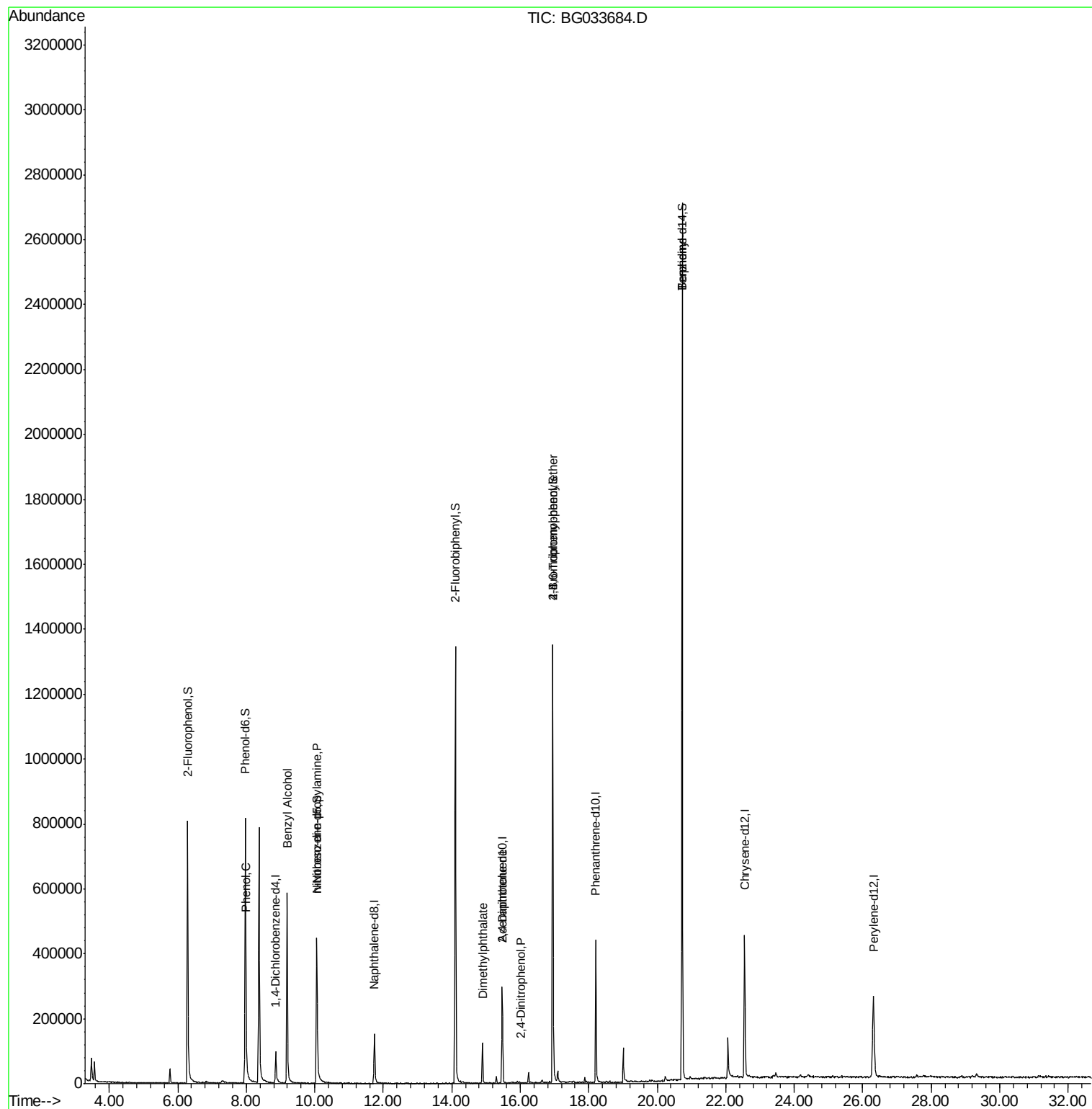
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	33361	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	147814	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	111175	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	301018	20.00	ng	0.00
75) Chrysene-d12	22.55	240	315737	20.00	ng	-0.01
86) Perylene-d12	26.31	264	338120	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.28	112	382871	215.20	ng	0.00
7) Phenol-d6	7.97	99	555135	181.60	ng	0.00
23) Nitrobenzene-d5	10.06	82	347620	108.05	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	256381	154.19	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	764103	99.22	ng	0.00
78) Terphenyl-d14	20.73	244	1357008	91.92	ng	0.00
Target Compounds						
10) Phenol	7.99	94	7193	2.383	ng	# 1
15) Benzyl Alcohol	9.19	79	6027	2.504	ng	# 33
19) n-Nitroso-di-n-propylamine	10.06	70	50200	22.411	ng	# 73
49) Dimethylphthalate	14.90	163	86522	8.943	ng	# 95
53) 2,4-Dinitrophenol	16.02	184	125	7.753	ng	# 1
56) 2,4-Dinitrotoluene	15.47	165	14244	4.890	ng	# 19
66) 4-Bromophenyl-phenylether	16.95	248	20032	5.666	ng	# 1
76) Benzidine	20.73	184	23870	2.788	ng	# 89

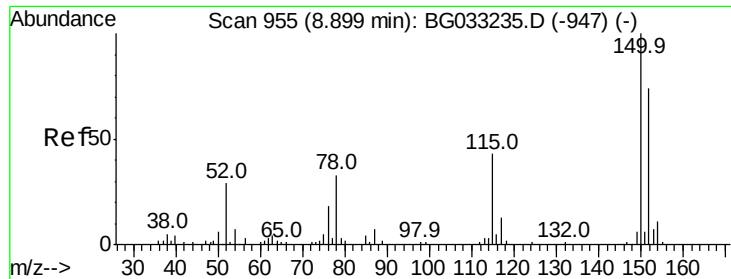
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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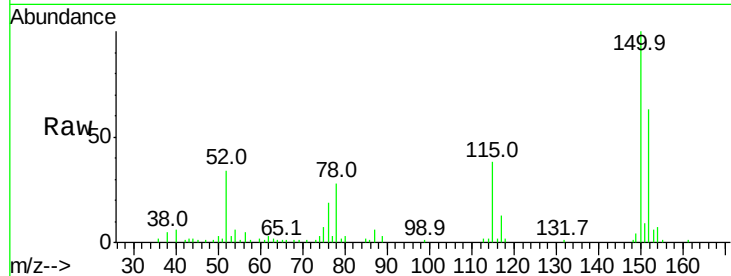


#1

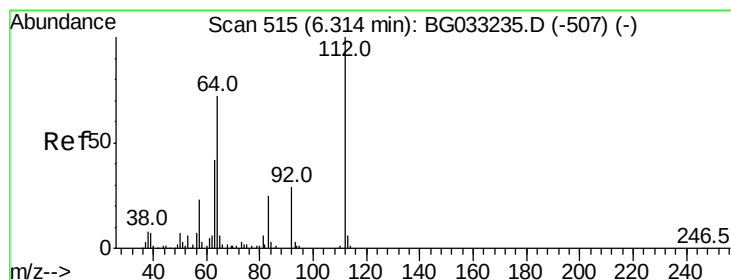
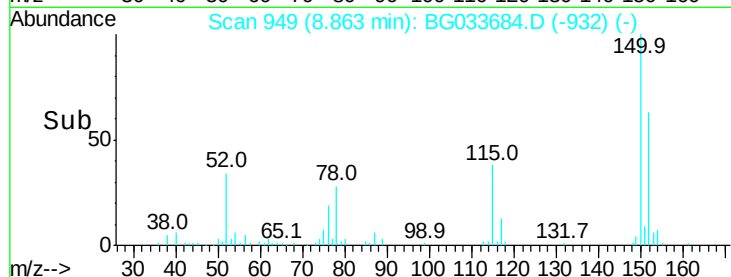
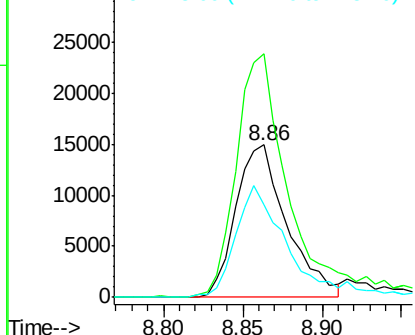
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.00 min
Lab File: BG033684.D
Acq: 9 Apr 2018 17:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33361
Ion Ratio Lower Upper
152 100
150 159.7 126.6 189.8
115 60.5 53.0 79.4



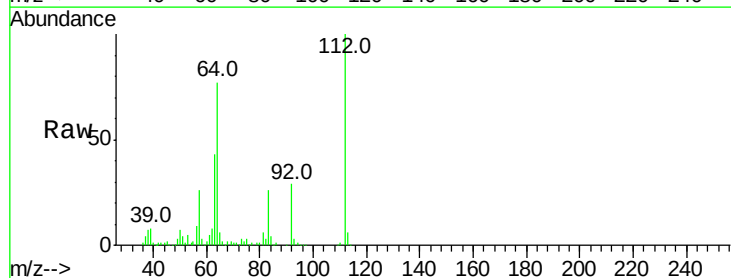
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



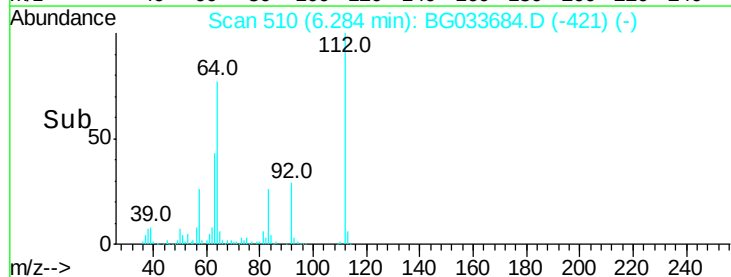
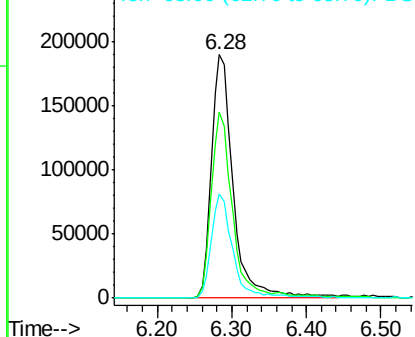
#5

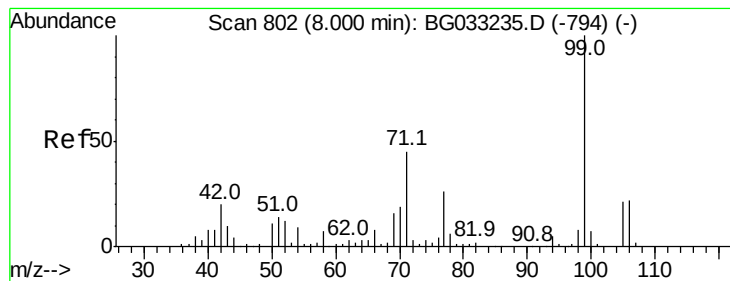
2-Fluorophenol
Concen: 215.200 ng
RT: 6.28 min Scan# 510
Delta R.T. -0.01 min
Lab File: BG033684.D
Acq: 9 Apr 2018 17:16

Tgt Ion:112 Resp: 382871
Ion Ratio Lower Upper
112 100
64 76.7 56.3 84.5
63 42.6 30.1 45.1



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





#7

Phenol-d6

Concen: 181.599 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.00 min

Lab File: BG033684.D

Acq: 9 Apr 2018 17:16

Instrument :

BNA_G

ClientSampleId :

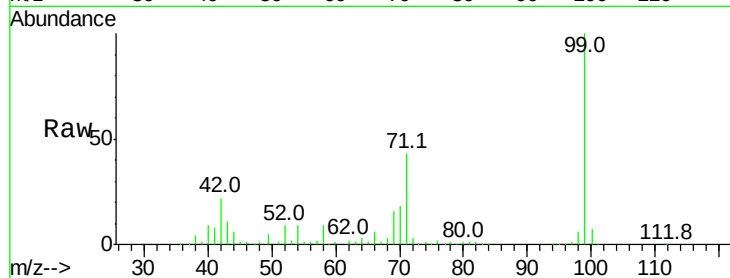
Tot Ion: 99 Resp: 555135

Ion Ratio Lower Upper

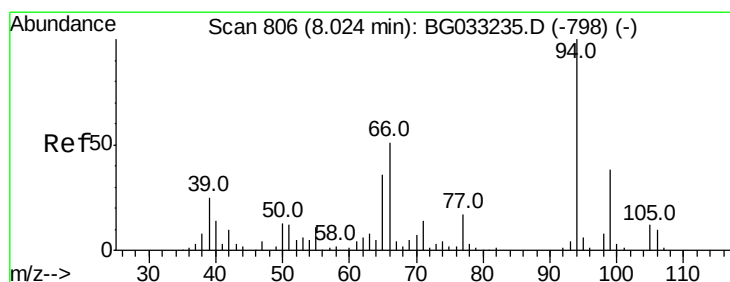
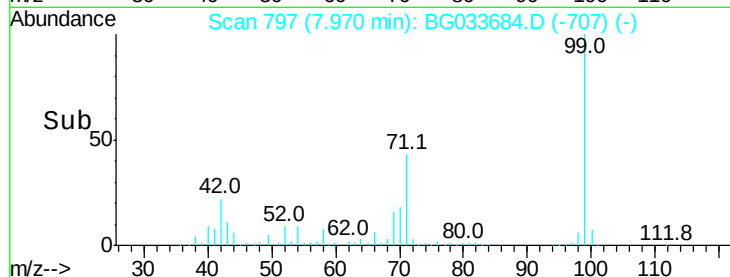
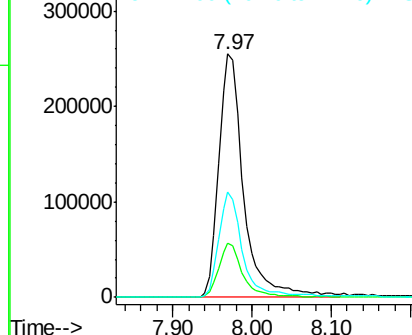
99 100

42 22.0 14.1 21.1#

71 43.2 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



#10

Phenol

Concen: 2.383 ng

RT: 7.99 min Scan# 801

Delta R.T. -0.01 min

Lab File: BG033684.D

Acq: 9 Apr 2018 17:16

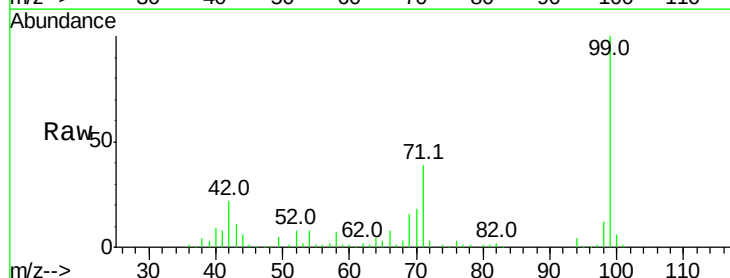
Tgt Ion: 94 Resp: 7193

Ion Ratio Lower Upper

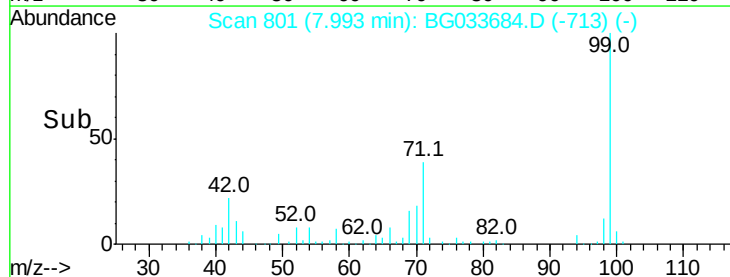
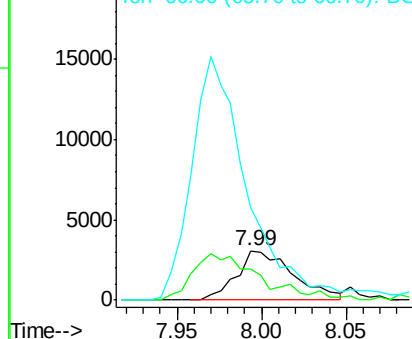
94 100

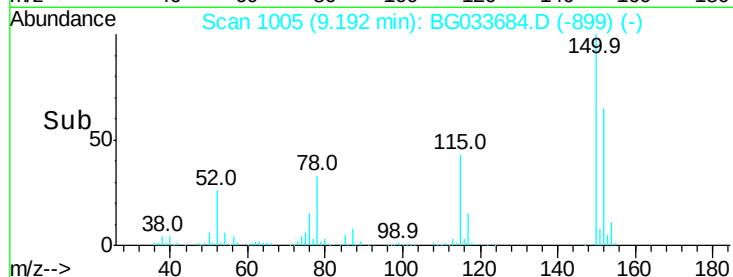
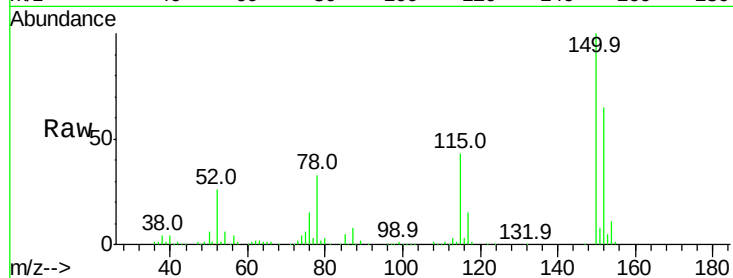
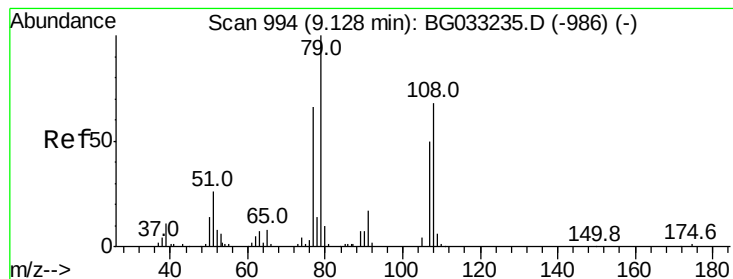
65 63.6 11.9 51.9#

66 188.6 22.2 62.2#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 2.504 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.09 min

Lab File: BG033684.D

Acq: 9 Apr 2018 17:16

Instrument :

BNA_G

ClientSampleId :

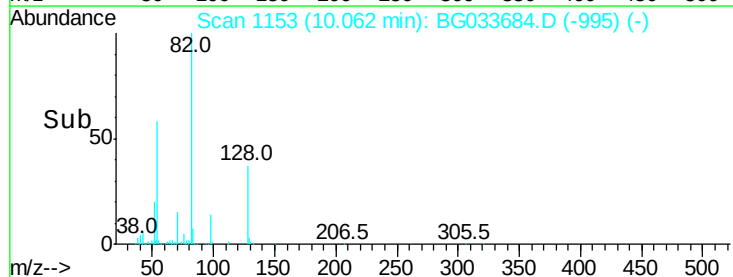
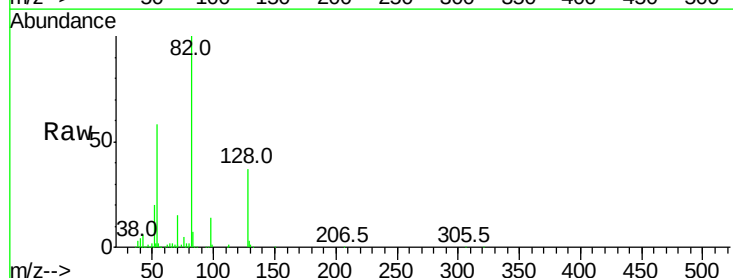
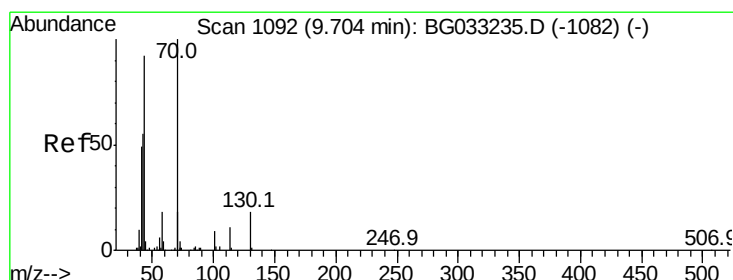
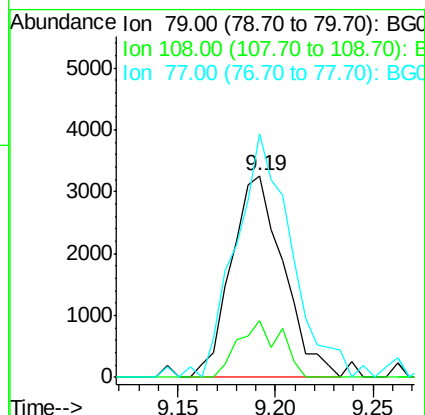
Tot Ion: 79 Resp: 6027

Ion Ratio Lower Upper

79 100

108 27.9 57.2 85.8#

77 120.8 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 22.411 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.40 min

Lab File: BG033684.D

Acq: 9 Apr 2018 17:16

Tgt Ion: 70 Resp: 50200

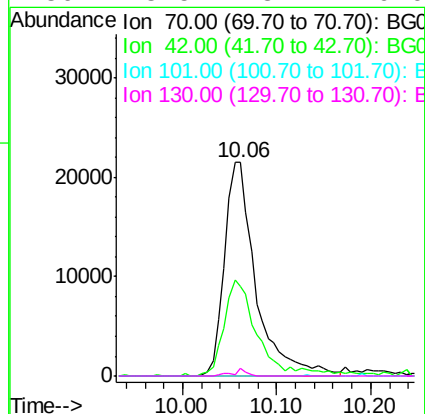
Ion Ratio Lower Upper

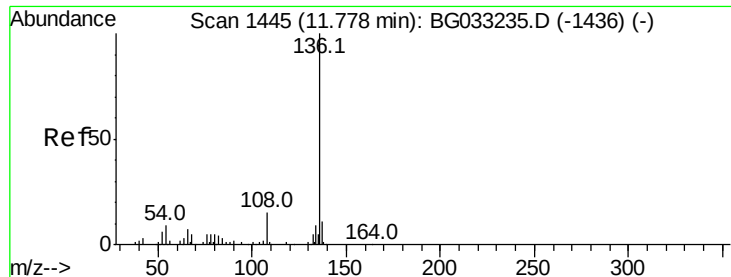
70 100

42 42.2 49.1 73.7#

101 0.0 8.5 12.7#

130 3.5 13.4 20.0#

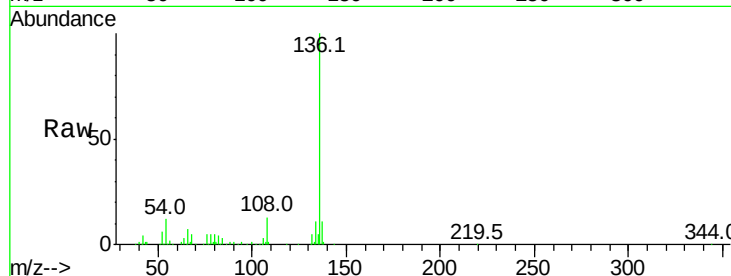




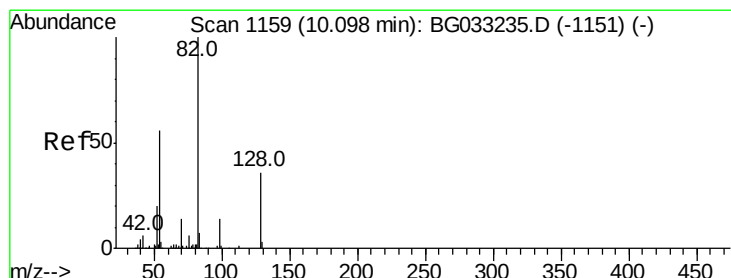
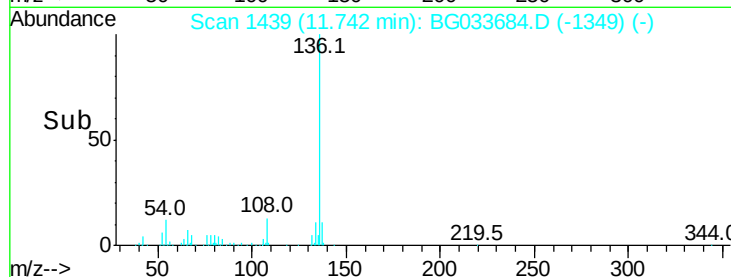
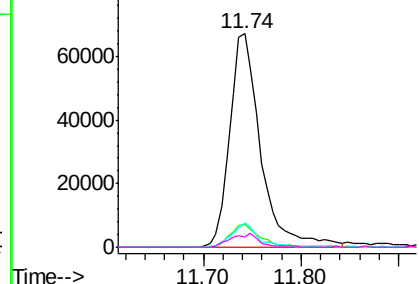
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BG033684.D
Acq: 9 Apr 2018 17:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	147814
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	11.6	10.3	15.5
68	5.0	4.5	6.7

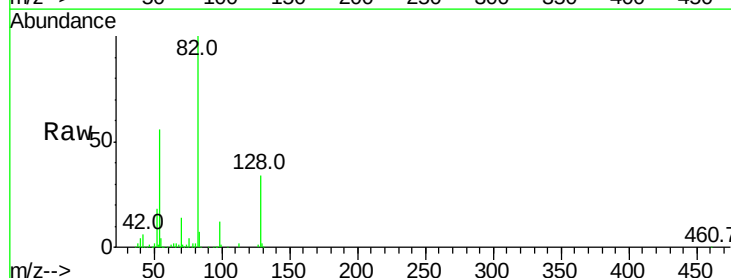


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

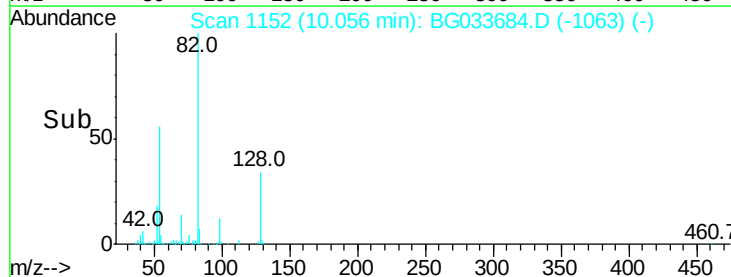
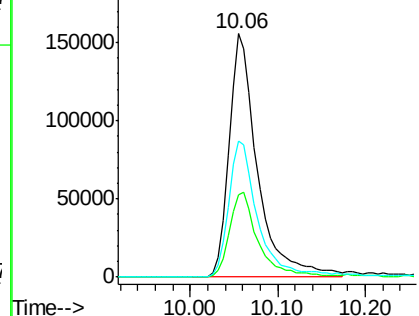


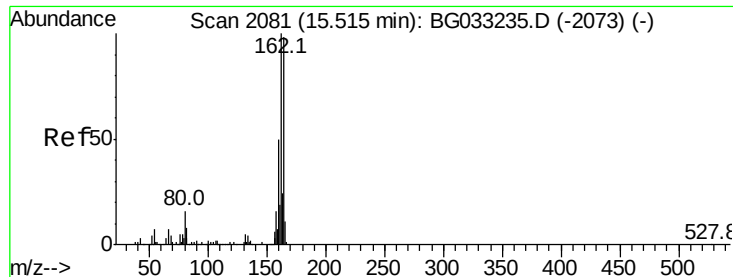
#23
Nitrobenzene-d5
Concen: 108.048 ng
RT: 10.06 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BG033684.D
Acq: 9 Apr 2018 17:16

Tgt Ion:	82	Resp:	347620
Ion	Ratio	Lower	Upper
82	100		
128	33.7	29.7	44.5
54	56.0	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: 15.47 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BG033684.D

Acq: 9 Apr 2018 17:16

Instrument :

BNA_G

ClientSampleId :

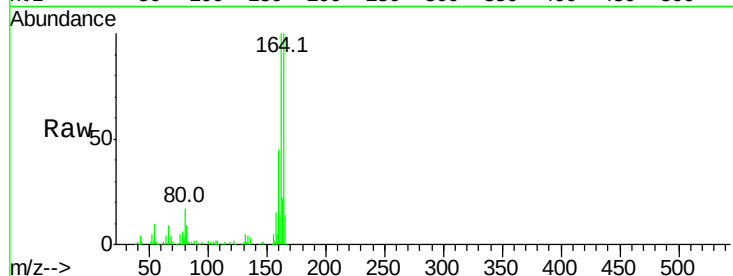
Tot Ion:164 Resp: 111175

Ion Ratio Lower Upper

164 100

162 100.0 78.8 118.2

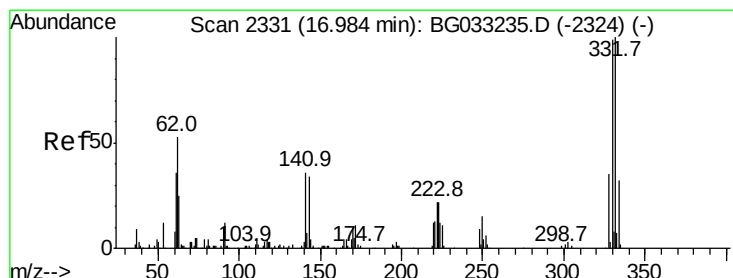
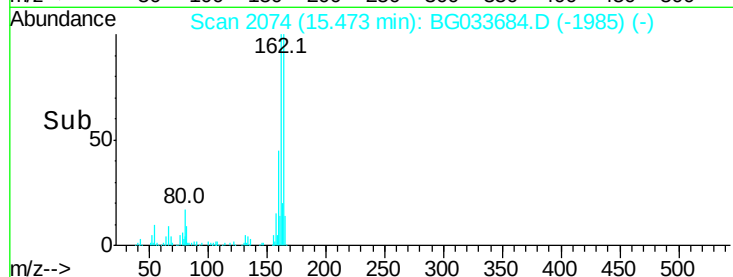
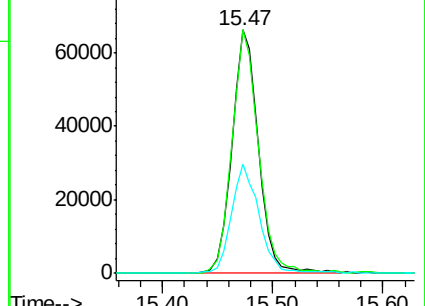
160 44.8 35.4 53.0



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: 154.191 ng

RT: 16.95 min Scan# 2325

Delta R.T. -0.01 min

Lab File: BG033684.D

Acq: 9 Apr 2018 17:16

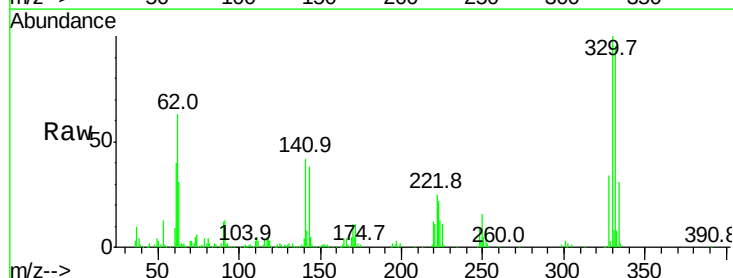
Tgt Ion:330 Resp: 256381

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

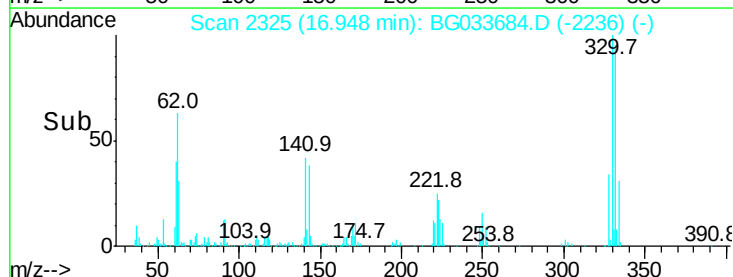
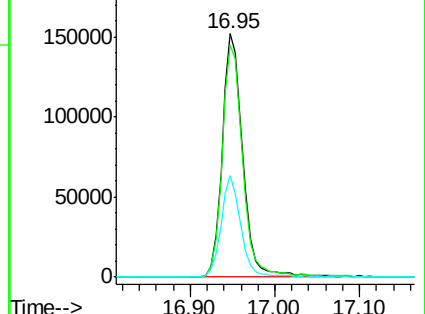
141 40.4 25.2 37.8#

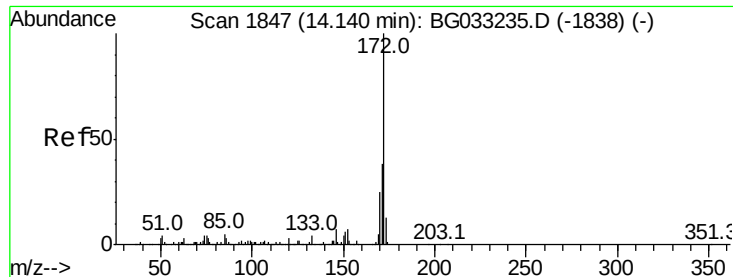


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 99.221 ng

RT: 14.10 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BG033684.D

Acq: 9 Apr 2018 17:16

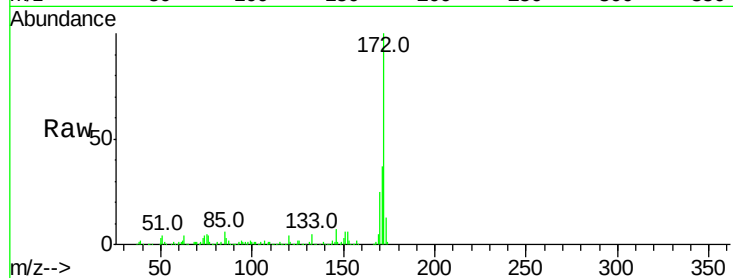
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 764103

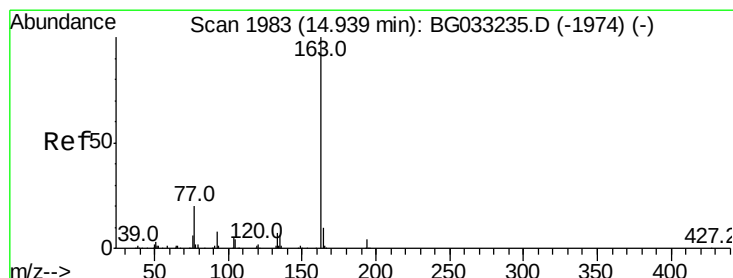
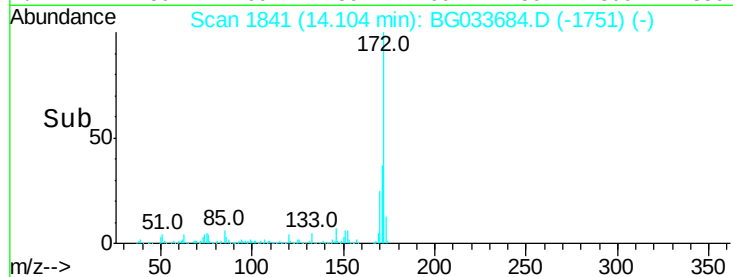
Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.0	45.0
170	24.8	19.5	29.3



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: 8.943 ng

RT: 14.90 min Scan# 1976

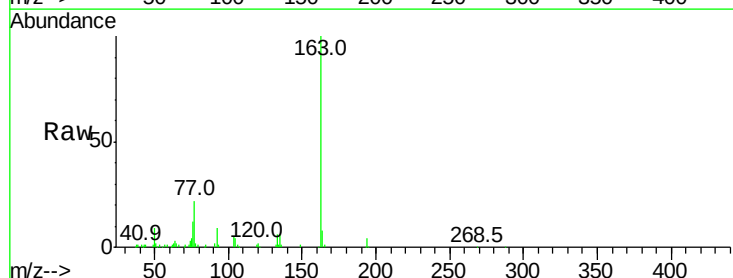
Delta R.T. -0.01 min

Lab File: BG033684.D

Acq: 9 Apr 2018 17:16

Tgt Ion:163 Resp: 86522

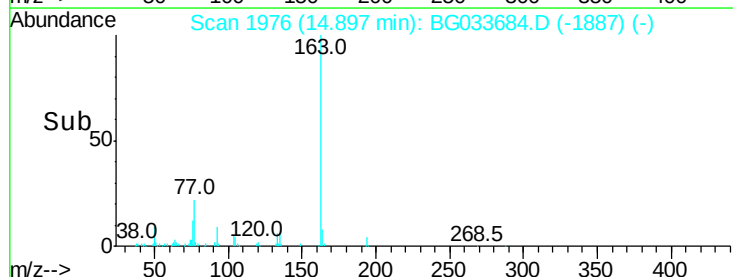
Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.4	5.2
164	8.2	8.2	12.4#

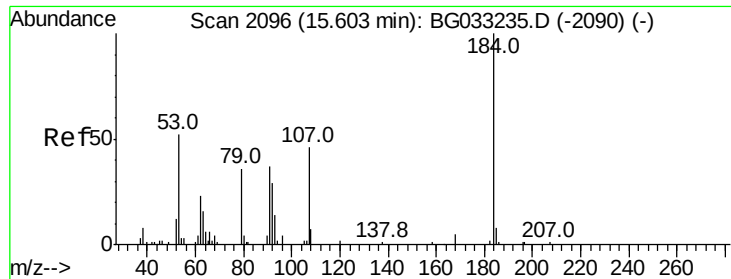


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

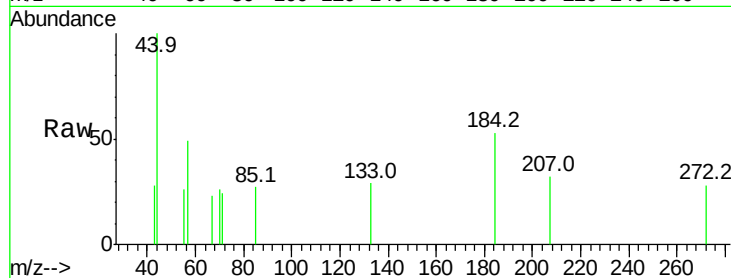




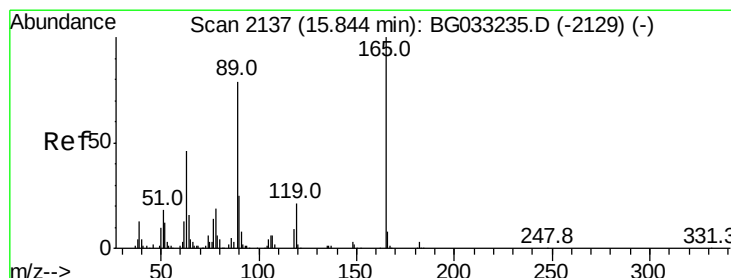
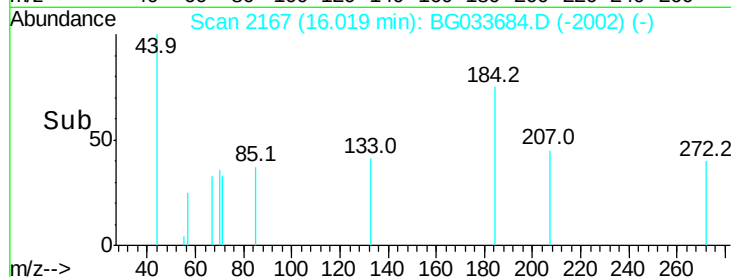
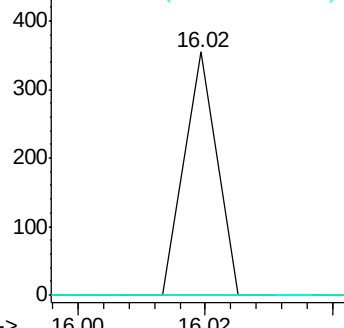
#53
 2,4-Dinitrophenol
 Concen: 7.753 ng
 RT: 16.02 min Scan# 2167
 Delta R.T. 0.44 min
 Lab File: BG033684.D
 Acq: 9 Apr 2018 17:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:184 Resp: 125
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#

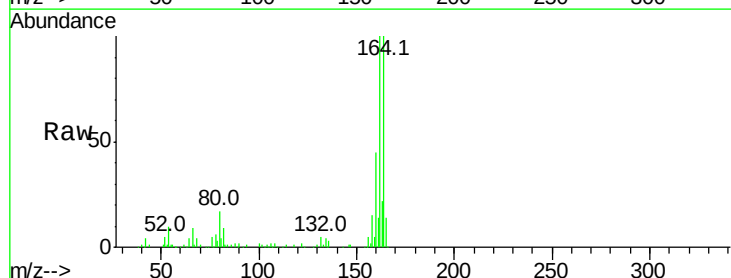


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

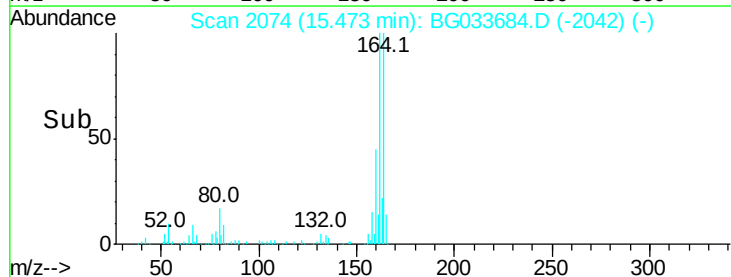
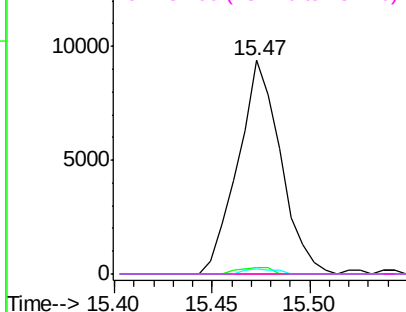


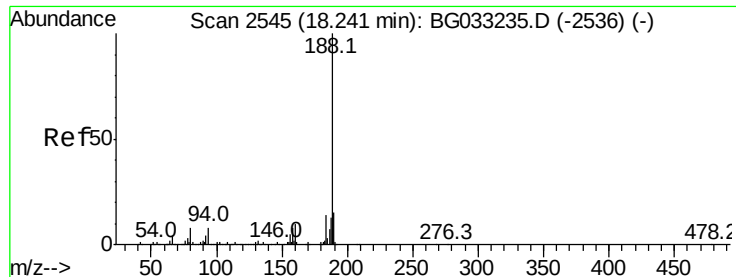
#56
 2,4-Dinitrotoluene
 Concen: 4.890 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. -0.34 min
 Lab File: BG033684.D
 Acq: 9 Apr 2018 17:16

Tgt Ion:165 Resp: 14244
 Ion Ratio Lower Upper
 165 100
 63 2.8 42.0 63.0#
 89 2.6 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

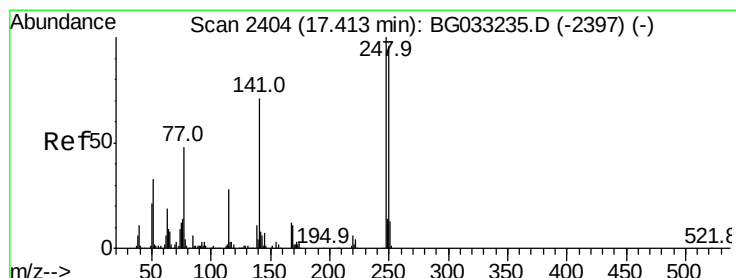
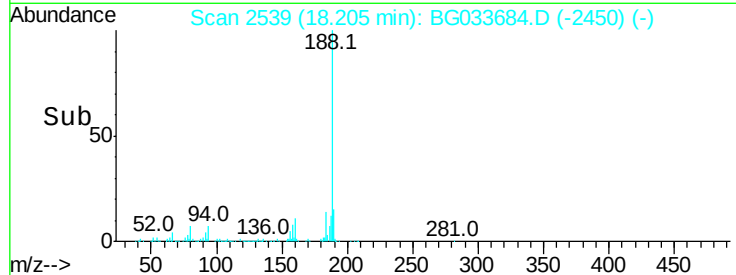
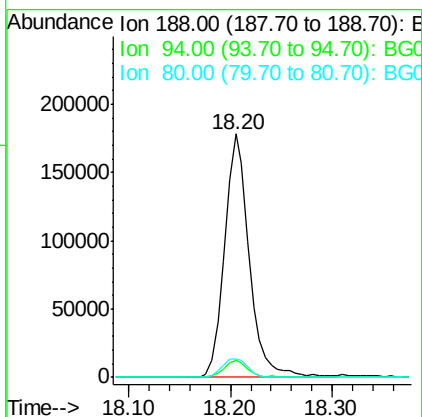
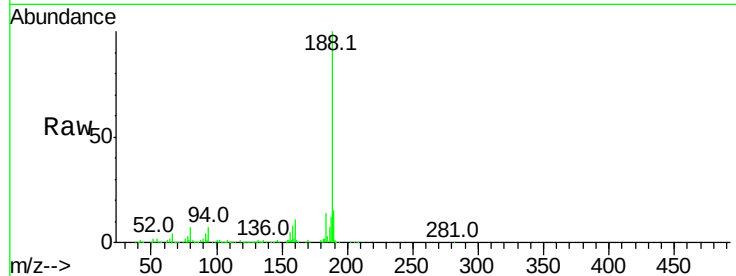




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.20 min Scan# 2539
Delta R.T. -0.01 min
Lab File: BG033684.D
Acq: 9 Apr 2018 17:16

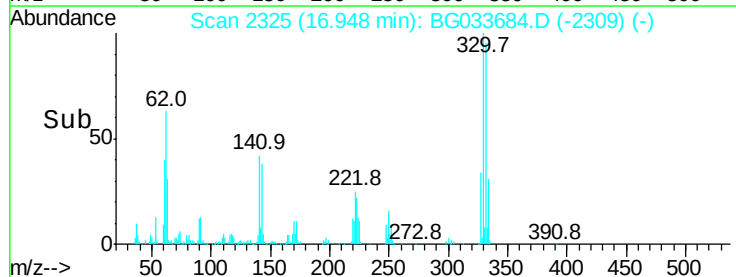
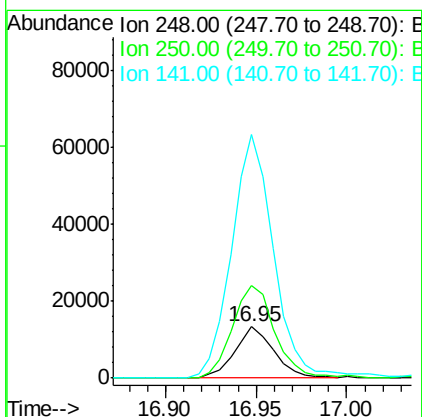
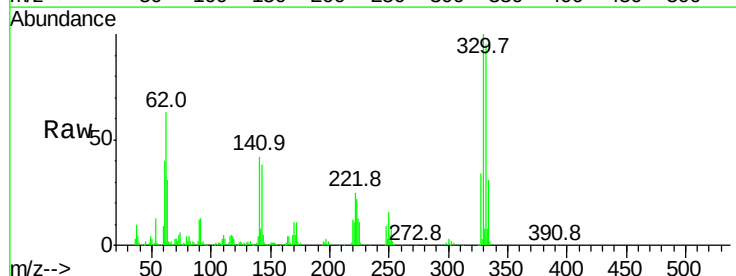
Instrument :
BNA_G
ClientSampleId :

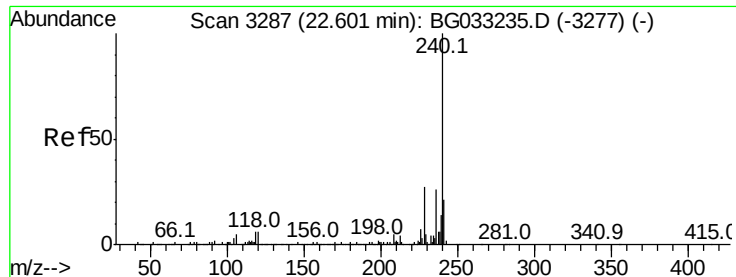
Tot Ion:188 Resp: 301018
Ion Ratio Lower Upper
188 100
94 6.9 6.9 10.3
80 7.3 7.7 11.5#



#66
4-Bromophenyl-phenylether
Concen: 5.666 ng
RT: 16.95 min Scan# 2325
Delta R.T. -0.44 min
Lab File: BG033684.D
Acq: 9 Apr 2018 17:16

Tgt Ion:248 Resp: 20032
Ion Ratio Lower Upper
248 100
250 180.4 77.1 115.7#
141 474.5 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3278

Delta R.T. -0.01 min

Lab File: BG033684.D

Acq: 9 Apr 2018 17:16

Instrument :

BNA_G

ClientSampleId :

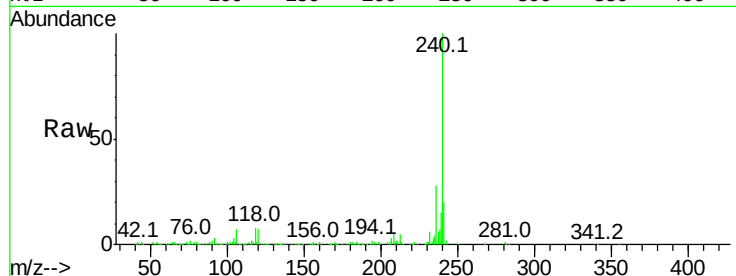
Tot Ion:240 Resp: 315737

Ion Ratio Lower Upper

240 100

120 7.4 6.8 10.2

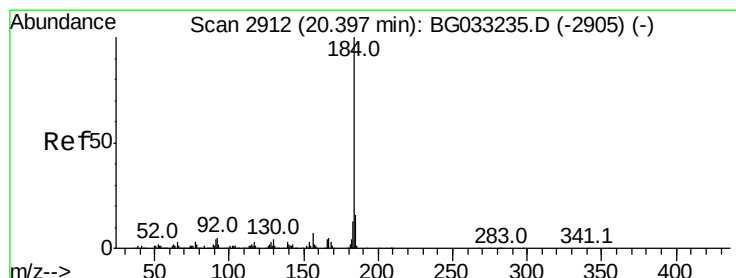
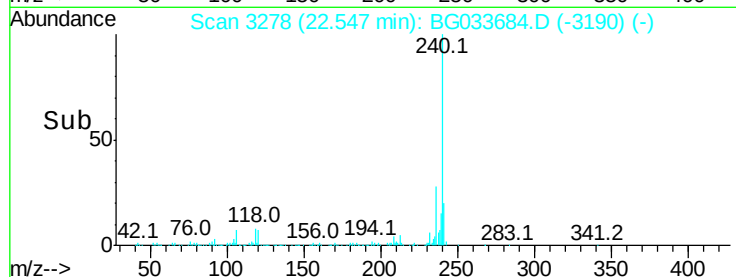
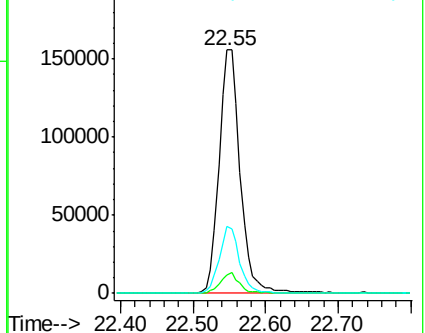
236 27.5 20.9 31.3



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



#76

Benzidine

Concen: 2.788 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033684.D

Acq: 9 Apr 2018 17:16

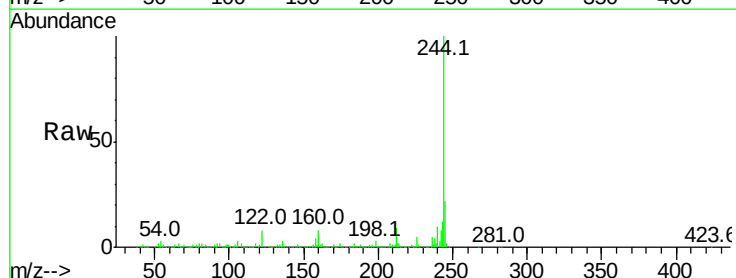
Tgt Ion:184 Resp: 23870

Ion Ratio Lower Upper

184 100

185 19.2 11.1 16.7#

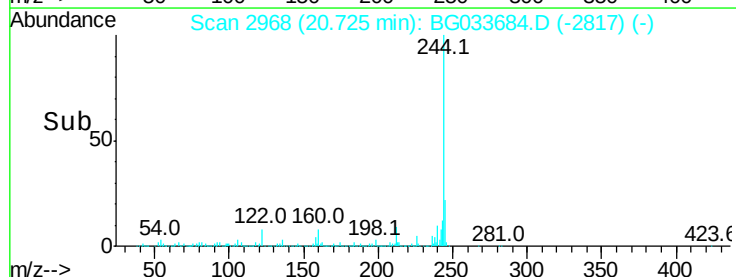
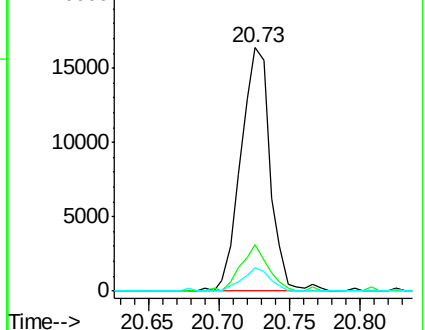
183 9.6 10.6 16.0#

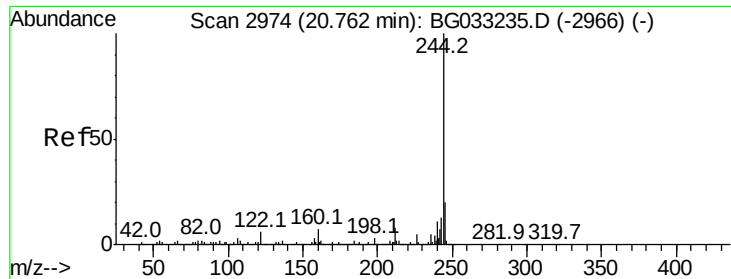


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 91.915 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.00 min

Lab File: BG033684.D

Acq: 9 Apr 2018 17:16

Instrument :

BNA_G

ClientSampleId :

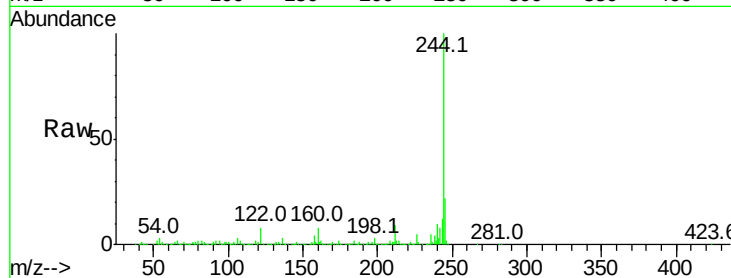
Tot Ion:244 Resp: 1357008

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

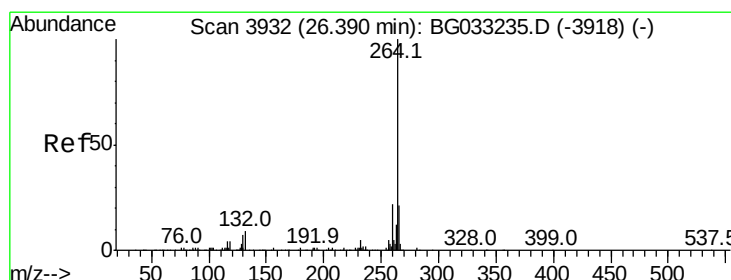
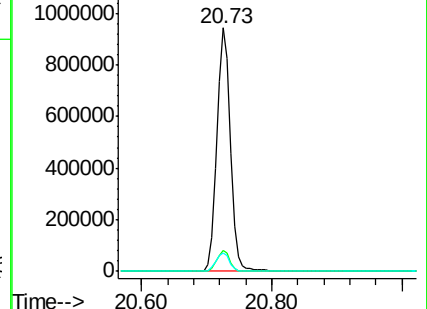
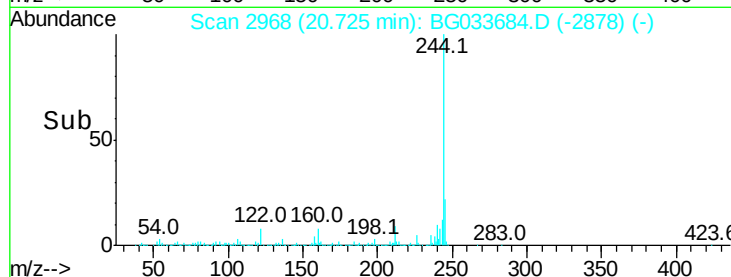
122 7.8 7.0 10.4



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: 26.31 min Scan# 3919

Delta R.T. -0.01 min

Lab File: BG033684.D

Acq: 9 Apr 2018 17:16

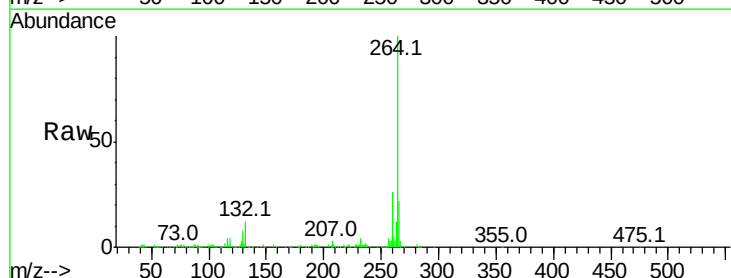
Tgt Ion:264 Resp: 338120

Ion Ratio Lower Upper

264 100

260 26.3 17.4 26.0#

265 22.1 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

