

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG040218\
 Data File : BG033480.D
 Acq On : 2 Apr 2018 10:38
 Operator : SJ/JU
 Sample : J2072-02RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 03 03:55:38 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 18:34:58 2018
 Response via : Initial Calibration

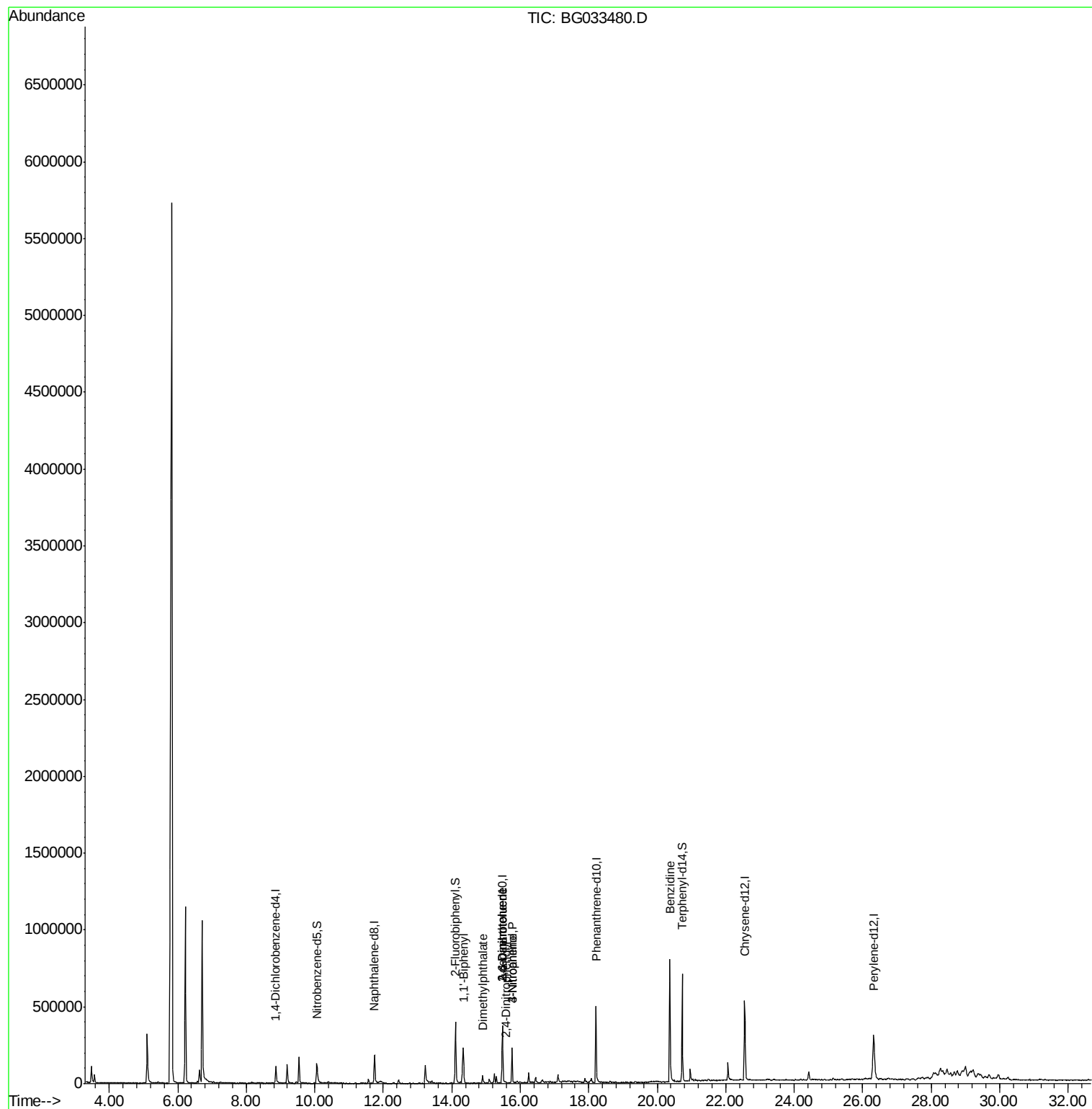
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	40706	20.00	ng	-0.01
21) Naphthalene-d8	11.75	136	181077	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	136886	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	369412	20.00	ng	0.00
75) Chrysene-d12	22.55	240	385294	20.00	ng	0.00
86) Perylene-d12	26.32	264	402716	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	7.79	99	55	0.01	ng	-0.19
23) Nitrobenzene-d5	10.06	82	105084	26.66	ng	-0.01
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	14.11	172	241518	25.47	ng	0.00
78) Terphenyl-d14	20.73	244	365249	20.27	ng	0.00
Target Compounds						
45) 1,1'-Biphenyl	14.35	154	33617	3.197	ng	Qvalue # 43
49) Dimethylphthalate	14.90	163	32119	2.696	ng	98
50) 2,6-Dinitrotoluene	15.48	165	18239	7.488	ng	# 21
52) 3-Nitroaniline	15.76	138	36557	14.315	ng	# 1
53) 2,4-Dinitrophenol	15.58	184	70	7.693	ng	# 1
55) 4-Nitrophenol	15.76	139	13018	7.249	ng	# 16
56) 2,4-Dinitrotoluene	15.48	165	18239	5.085	ng	# 19
76) Benzidine	20.37	184	493427	47.224	ng	98

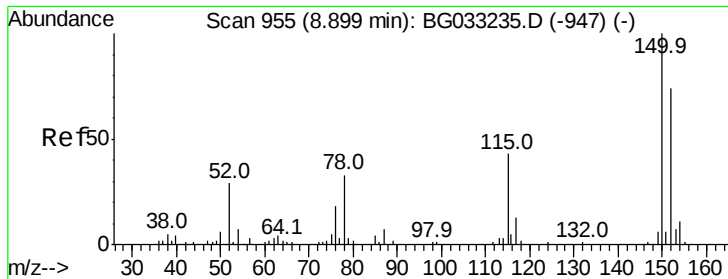
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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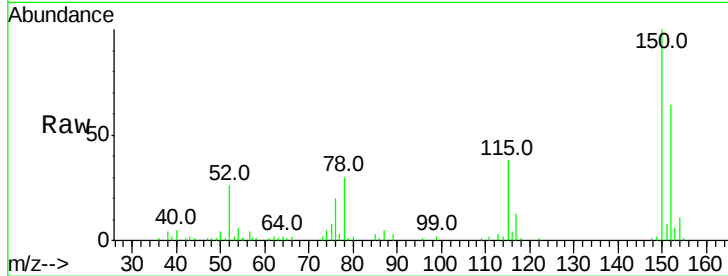


#1

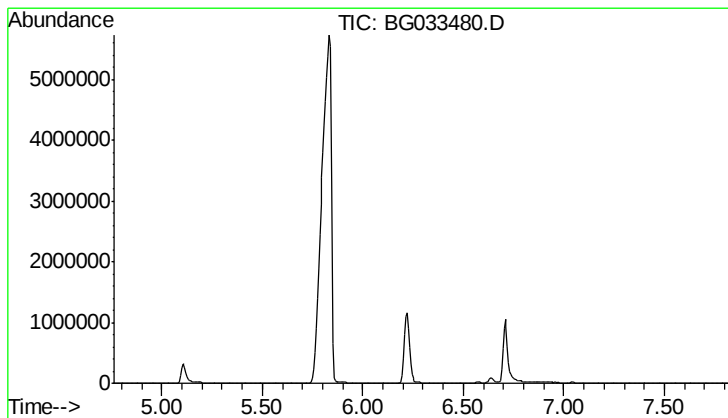
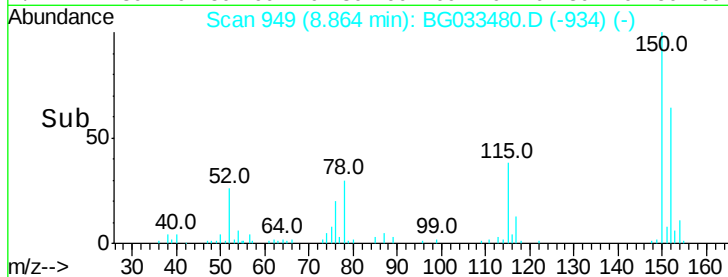
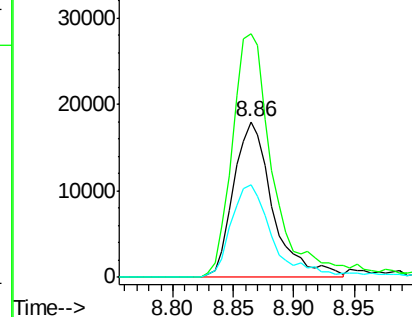
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.86 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: BG033480.D
 Acq: 2 Apr 2018 10:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 40706
 Ion Ratio Lower Upper
 152 100
 150 156.4 126.6 189.8
 115 59.3 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

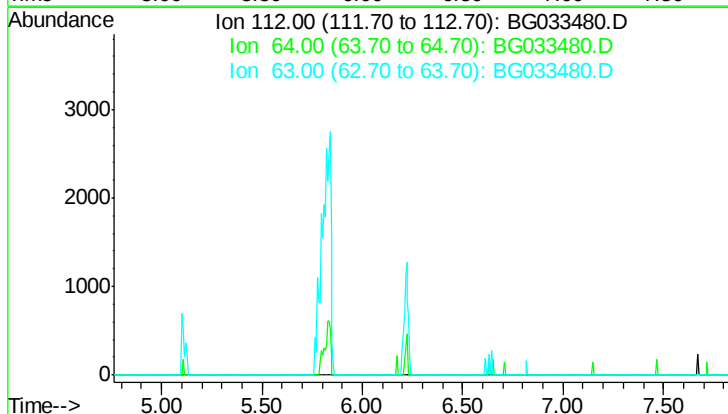


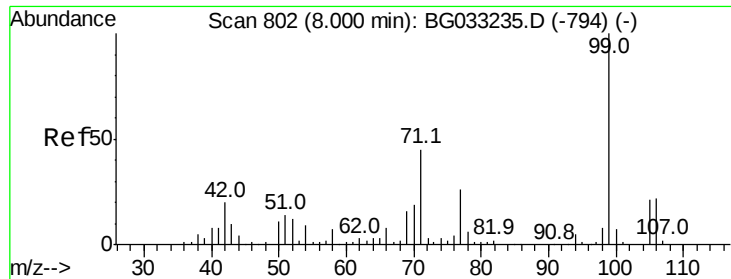
#5

2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 6.29 min

Lab File: BG033480.D
 Acq: 2 Apr 2018 10:38

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 70.4
 63 37.6





#7

Phenol-d6

Concen: 0.015 ng

RT: 7.79 min Scan# 766

Delta R.T. -0.19 min

Lab File: BG033480.D

Acq: 2 Apr 2018 10:38

Instrument :

BNA_G

ClientSampleId :

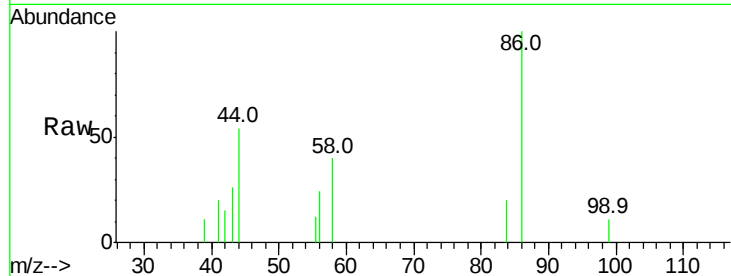
Tot Ion: 99 Resp: 55

Ion Ratio Lower Upper

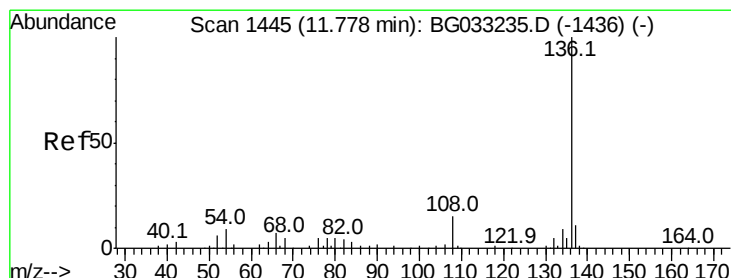
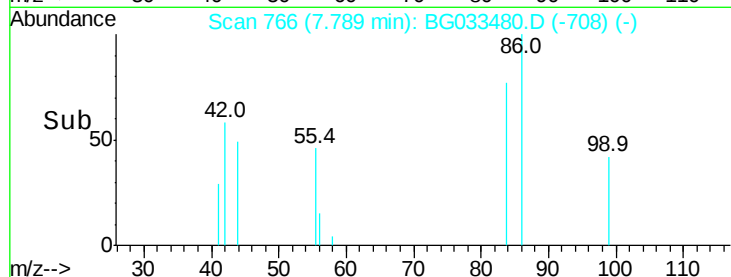
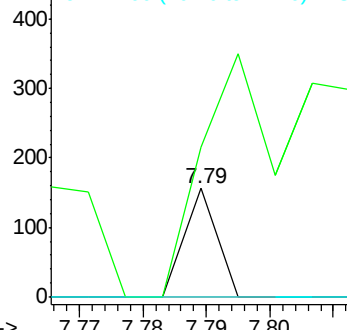
99 100

42 137.8 14.1 21.1#

71 0.0 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.75 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BG033480.D

Acq: 2 Apr 2018 10:38

Tgt Ion: 136 Resp: 181077

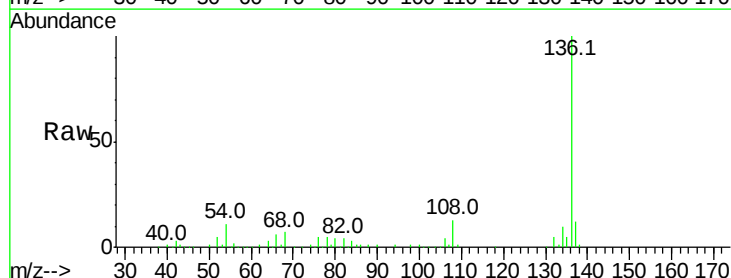
Ion Ratio Lower Upper

136 100

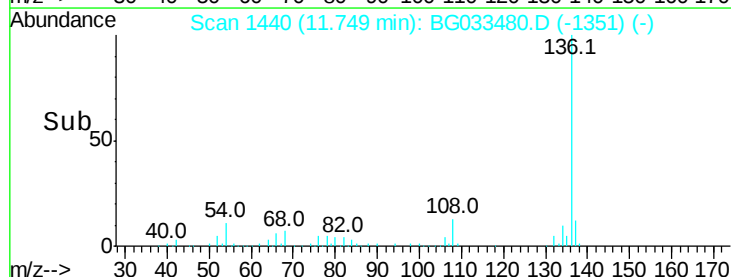
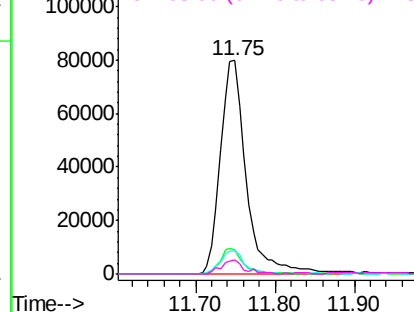
137 11.5 9.2 13.8

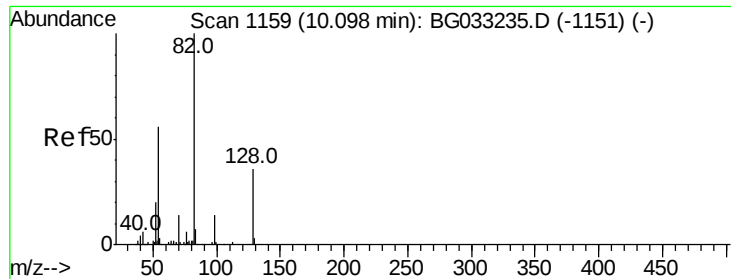
54 10.5 10.3 15.5

68 6.6 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

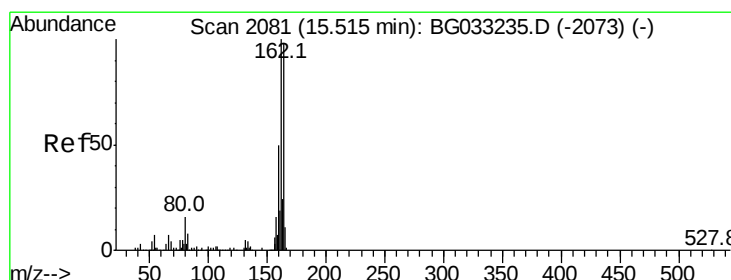
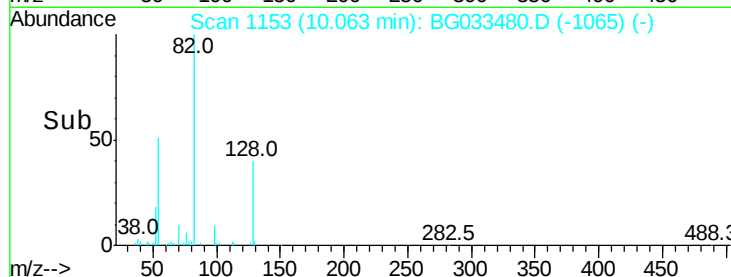
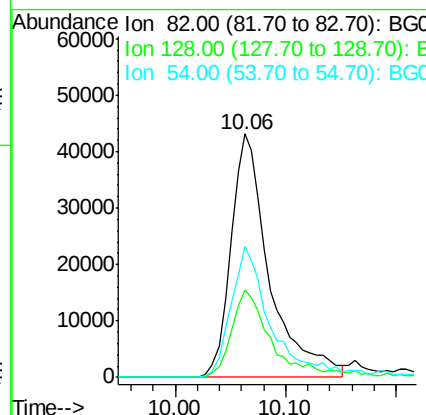
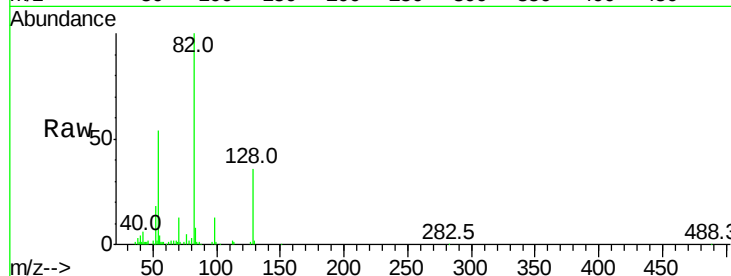




#23
 Nitrobenzene-d5
 Concen: 26.663 ng
 RT: 10.06 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BG033480.D
 Acq: 2 Apr 2018 10:38

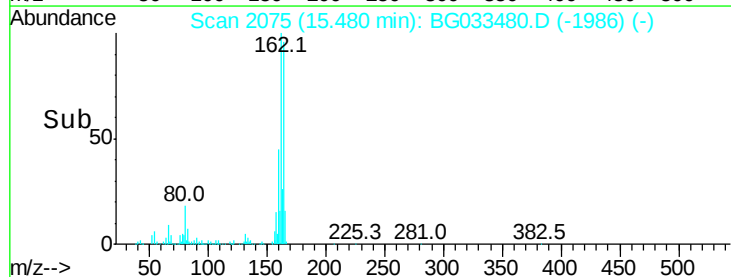
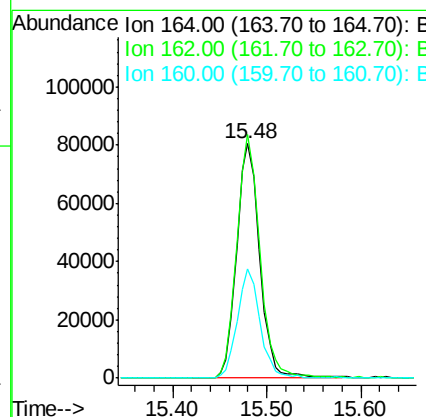
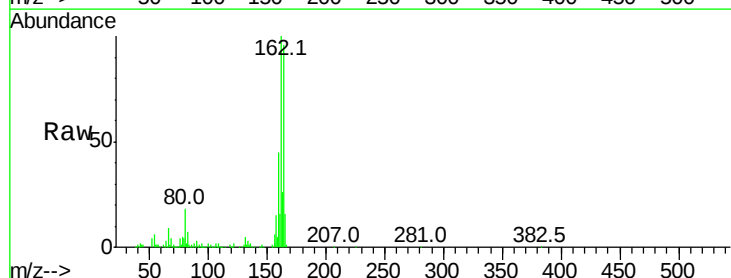
Instrument :
 BNA_G
 ClientSampleId :

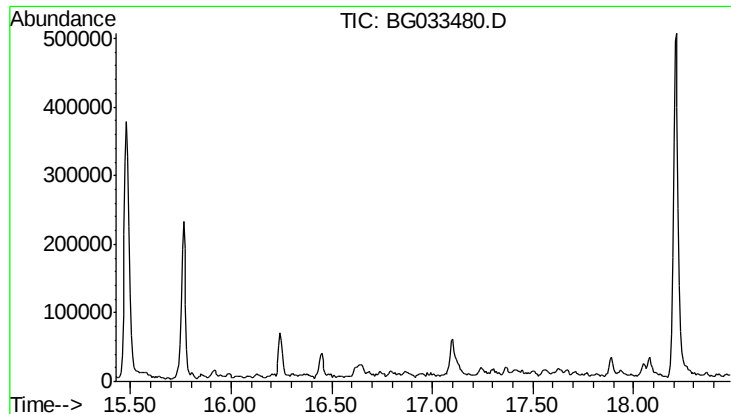
Tot Ion	82	Resp	105084
Ion	Ratio	Lower	Upper
82	100		
128	36.0	29.7	44.5
54	53.8	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.01 min
 Lab File: BG033480.D
 Acq: 2 Apr 2018 10:38

Tgt Ion	164	Resp	136886
Ion	Ratio	Lower	Upper
164	100		
162	103.9	78.8	118.2
160	46.6	35.4	53.0





#41

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 16.96 min

Lab File: BG033480.D

Acq: 2 Apr 2018 10:38

Instrument :

BNA_G

ClientSampleId :

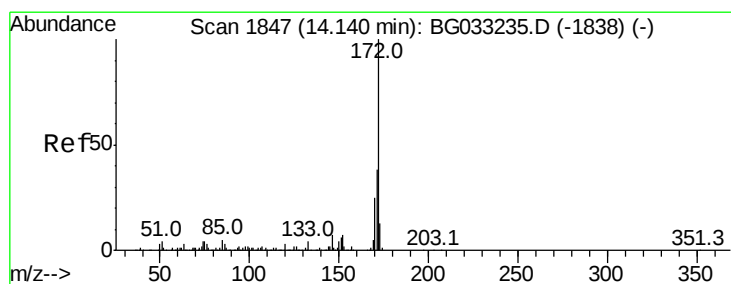
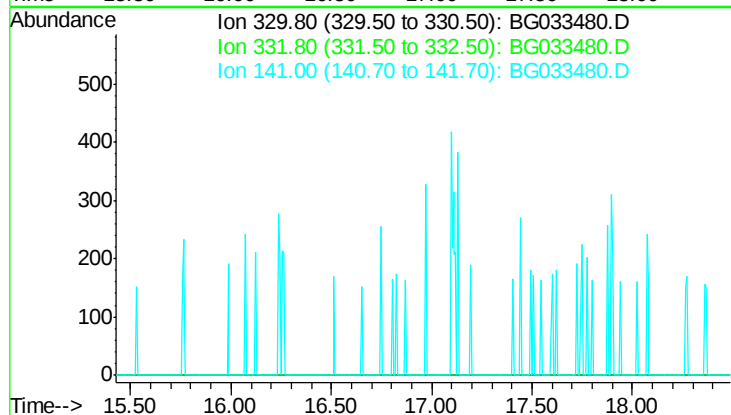
Tot Ion: 330

Sig Exp Ratio

330 100

332 96.3

141 31.5



#44

2-Fluorobiphenyl

Concen: 25.471 ng

RT: 14.11 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BG033480.D

Acq: 2 Apr 2018 10:38

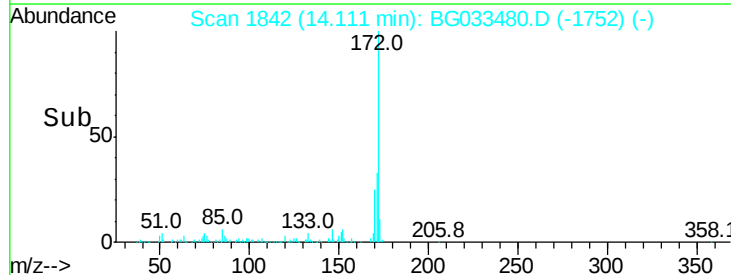
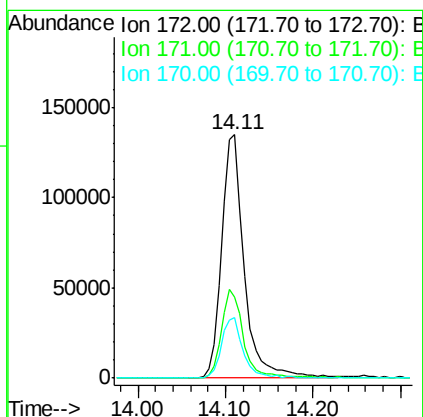
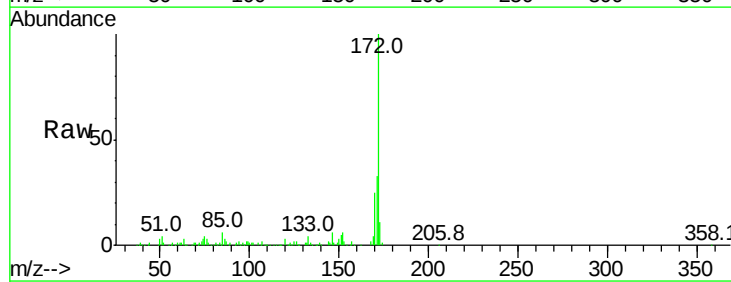
Tgt Ion:172 Resp: 241518

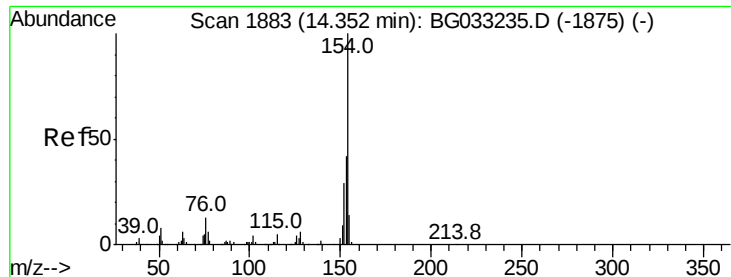
Ion Ratio Lower Upper

172 100

171 33.1 30.0 45.0

170 24.8 19.5 29.3

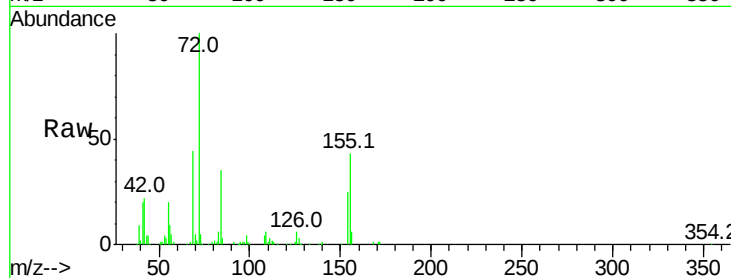




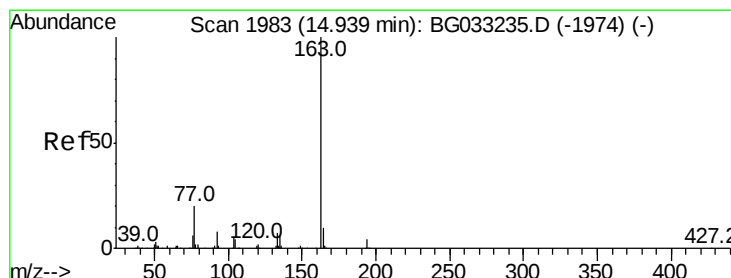
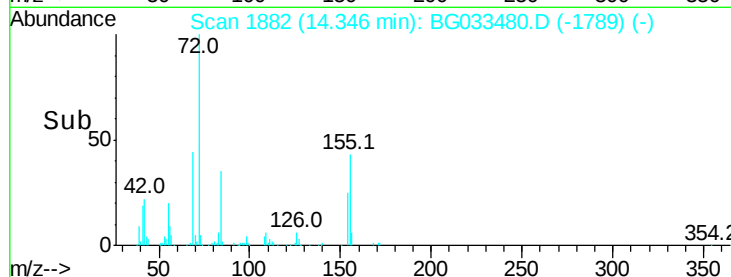
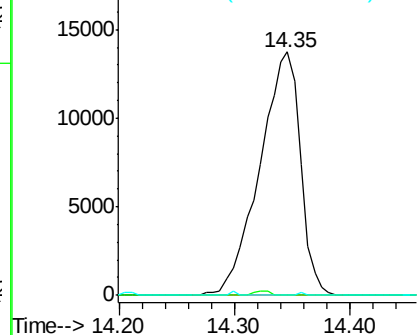
#45
 1,1'-Biphenyl
 Concen: 3.197 ng
 RT: 14.35 min Scan# 1882
 Delta R.T. 0.02 min
 Lab File: BG033480.D
 Acq: 2 Apr 2018 10:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
154	100		
153	0.0	19.8	59.8#
76	0.0	0.0	31.9

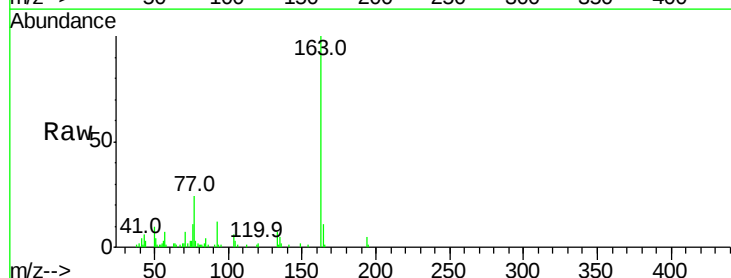


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

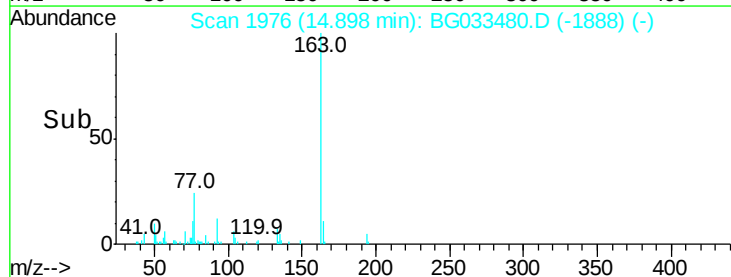
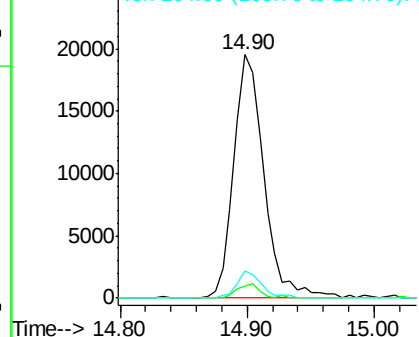


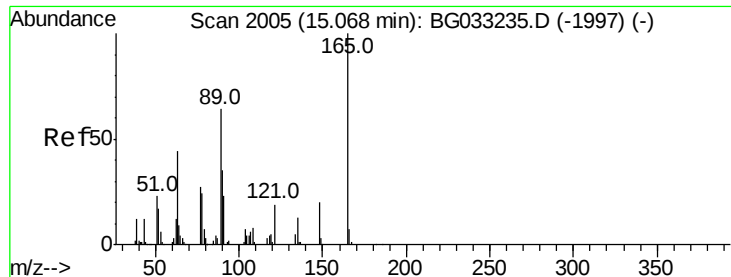
#49
 Dimethylphthalate
 Concen: 2.696 ng
 RT: 14.90 min Scan# 1976
 Delta R.T. -0.01 min
 Lab File: BG033480.D
 Acq: 2 Apr 2018 10:38

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.4	5.2
164	11.3	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

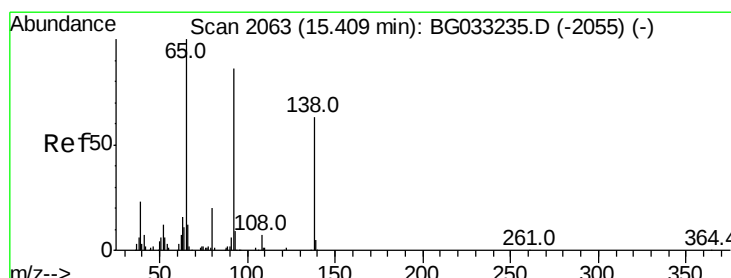
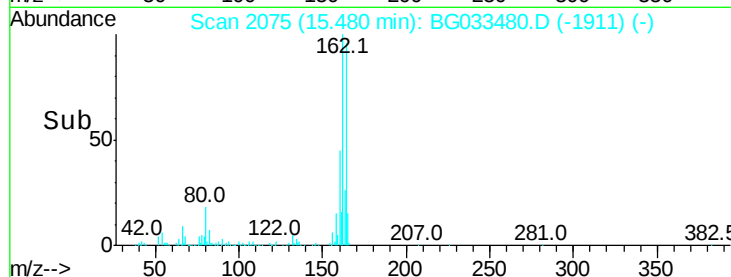
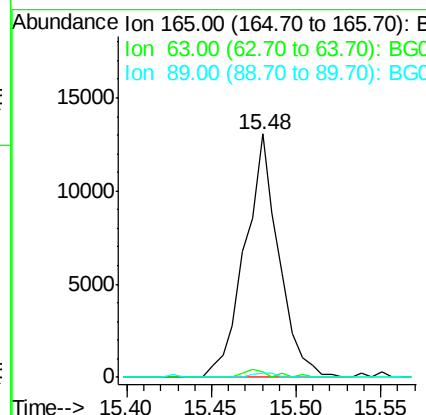
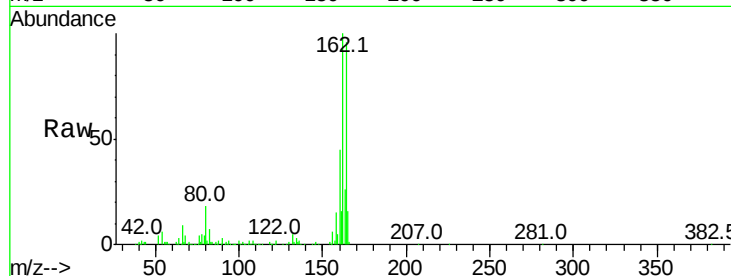




#50
2,6-Dinitrotoluene
Concen: 7.488 ng
RT: 15.48 min Scan# 2075
Delta R.T. 0.43 min
Lab File: BG033480.D
Acq: 2 Apr 2018 10:38

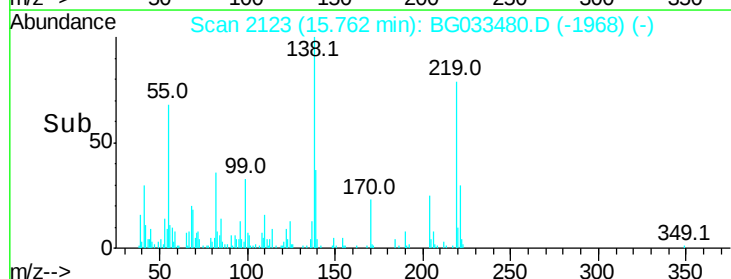
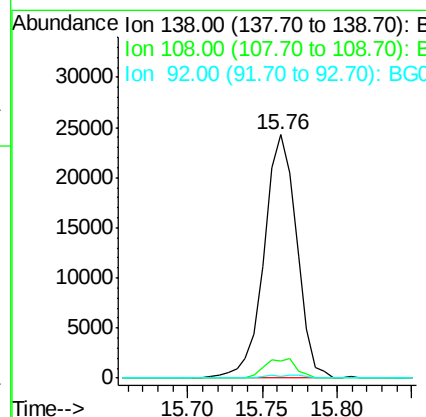
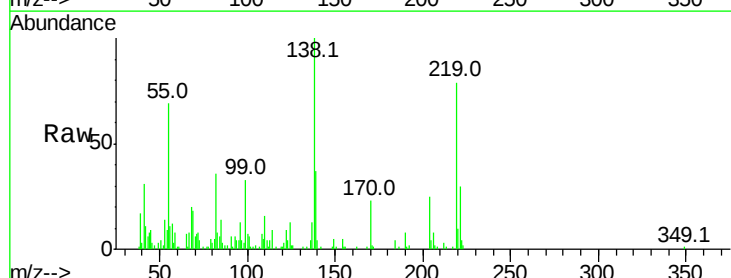
Instrument :
BNA_G
ClientSampleId :

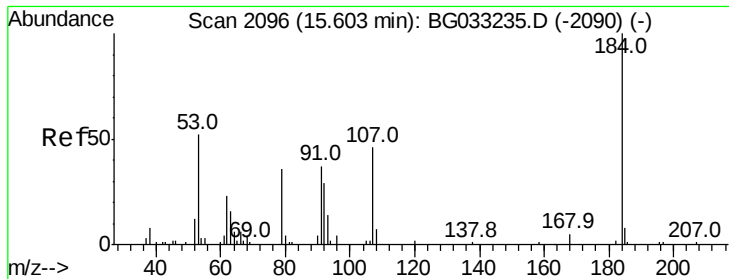
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.5	52.7	79.1#
89	1.5	49.2	73.8#



#52
3-Nitroaniline
Concen: 14.315 ng
RT: 15.76 min Scan# 2123
Delta R.T. 0.38 min
Lab File: BG033480.D
Acq: 2 Apr 2018 10:38

Tgt Ion	Ratio	Lower	Upper
138	100		
108	6.9	17.5	26.3#
92	0.8	105.8	158.8#

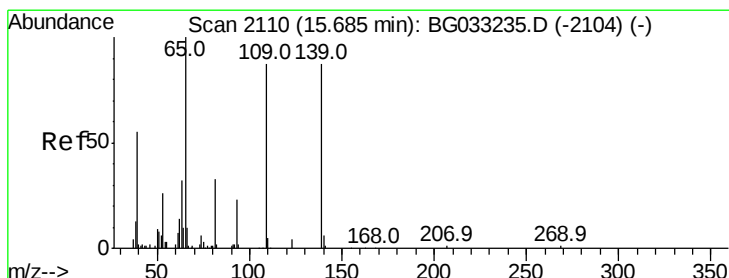
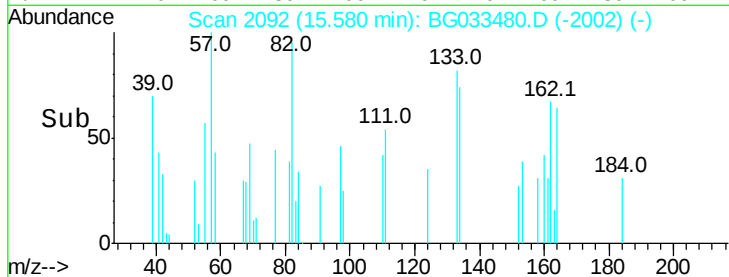
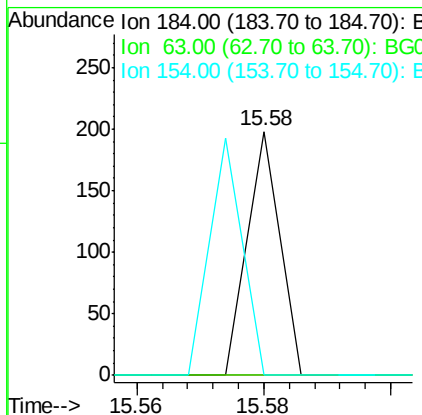
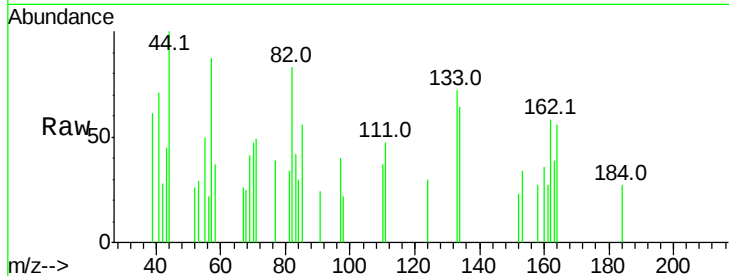




#53
 2,4-Dinitrophenol
 Concen: 7.693 ng
 RT: 15.58 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: BG033480.D
 Acq: 2 Apr 2018 10:38

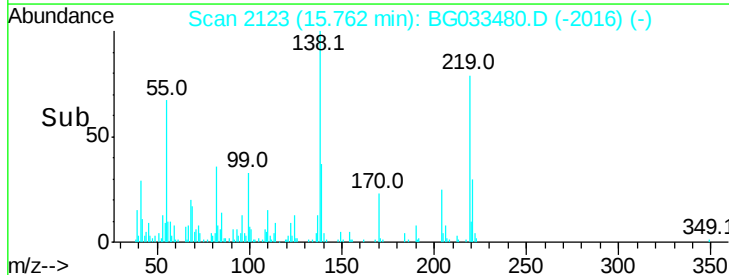
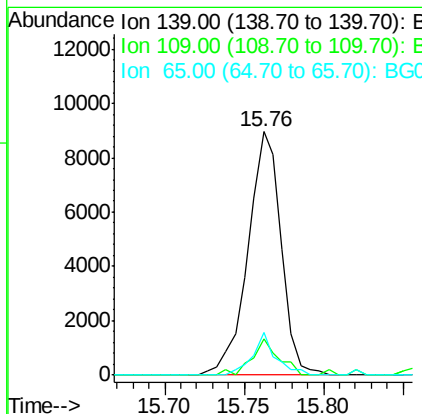
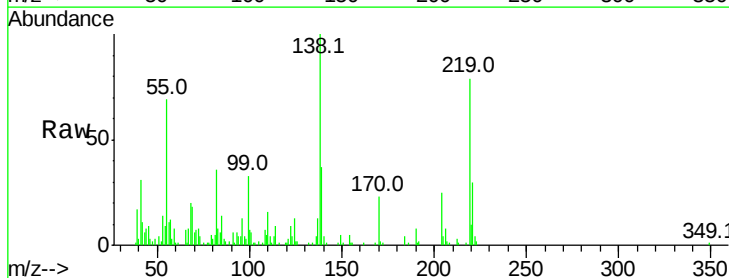
Instrument :
 BNA_G
 ClientSampleId :

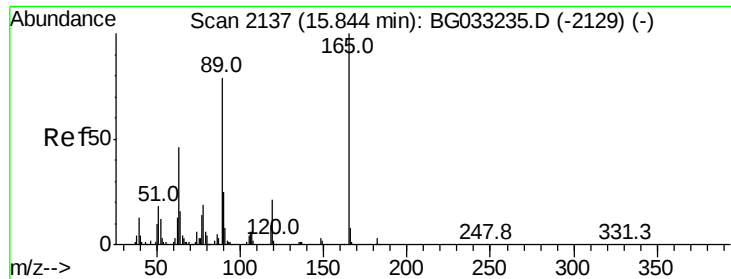
Tot Ion:184 Resp: 70
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



#55
 4-Nitrophenol
 Concen: 7.249 ng
 RT: 15.76 min Scan# 2123
 Delta R.T. 0.10 min
 Lab File: BG033480.D
 Acq: 2 Apr 2018 10:38

Tgt Ion:139 Resp: 13018
 Ion Ratio Lower Upper
 139 100
 109 14.8 62.2 102.2#
 65 17.7 97.2 137.2#





#56

2,4-Dinitrotoluene

Concen: 5.085 ng

RT: 15.48 min Scan# 2075

Delta R.T. -0.34 min

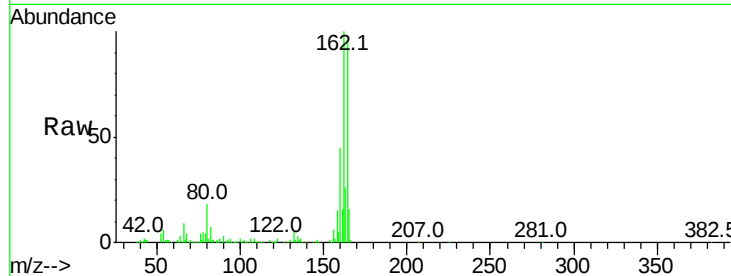
Lab File: BG033480.D

Acq: 2 Apr 2018 10:38

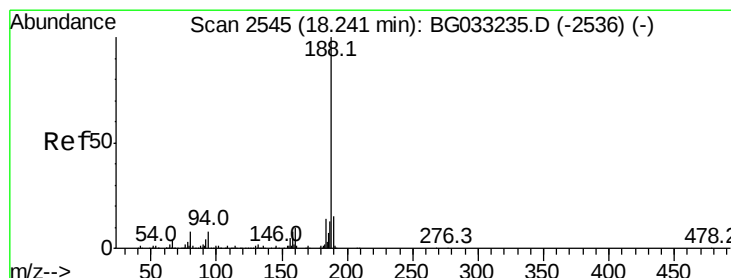
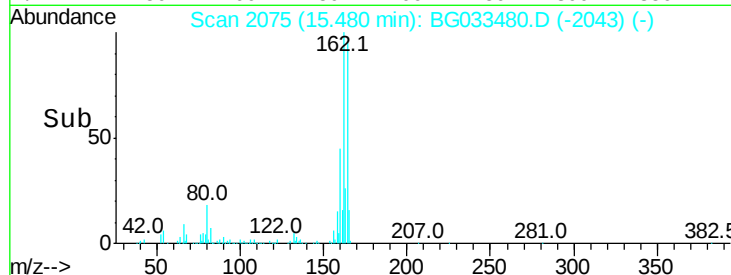
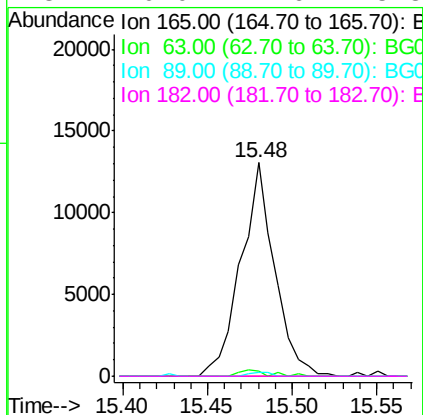
Instrument :

BNA_G

ClientSampleId :



Tot Ion:	165	Resp:	18239
Ion	Ratio	Lower	Upper
165	100		
63	2.5	42.0	63.0#
89	1.5	66.9	100.3#
182	0.0	2.6	3.8#



#63

Phenanthrene-d10

Concen: 20.000 ng

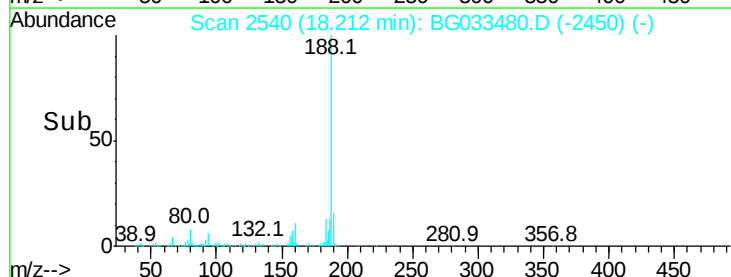
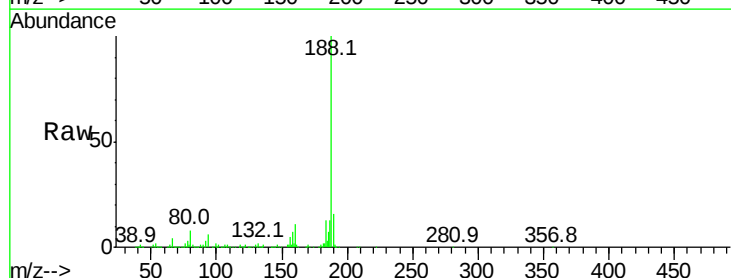
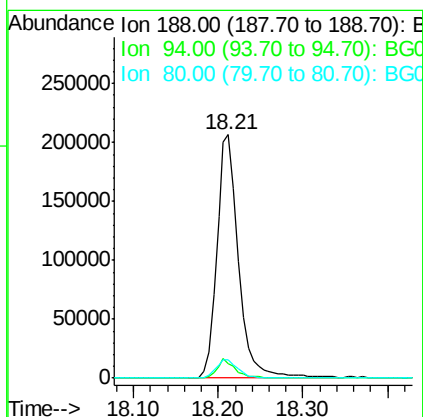
RT: 18.21 min Scan# 2540

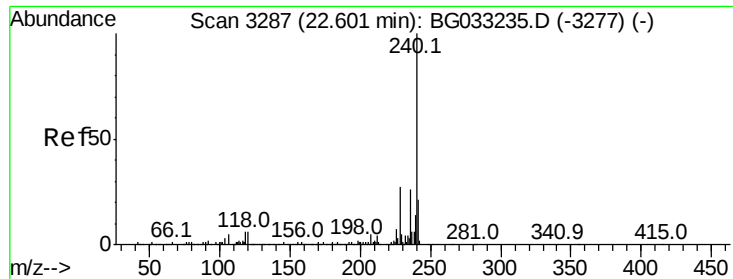
Delta R.T. -0.00 min

Lab File: BG033480.D

Acq: 2 Apr 2018 10:38

Tgt Ion:	188	Resp:	369412
Ion	Ratio	Lower	Upper
188	100		
94	6.1	6.9	10.3#
80	7.5	7.7	11.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3279

Delta R.T. -0.01 min

Lab File: BG033480.D

Acq: 2 Apr 2018 10:38

Instrument :

BNA_G

ClientSampleId :

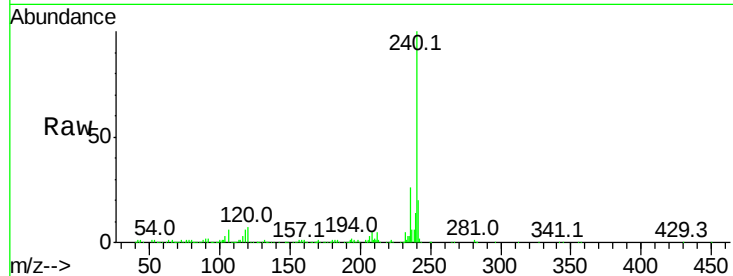
Tot Ion:240 Resp: 385294

Ion Ratio Lower Upper

240 100

120 6.6 6.8 10.2#

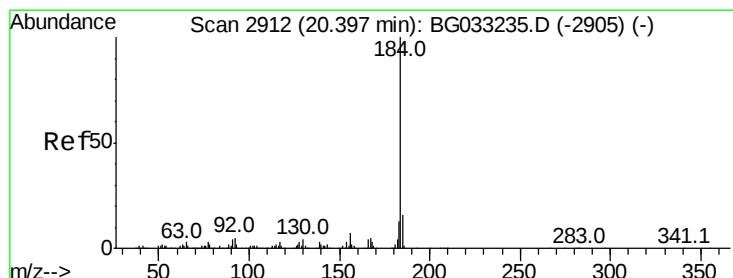
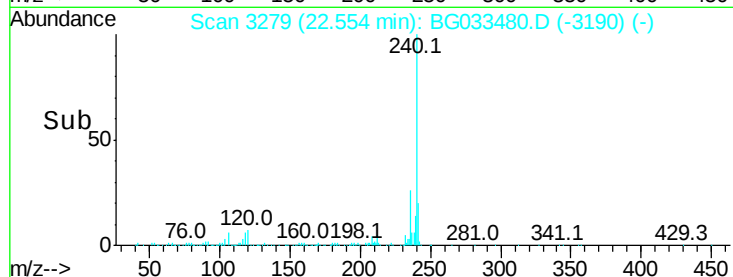
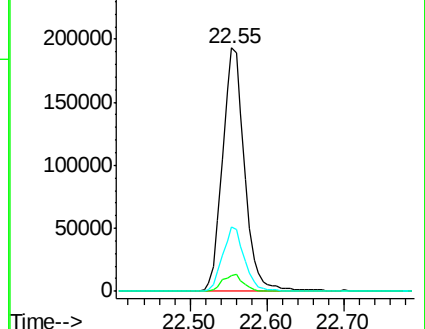
236 26.2 20.9 31.3



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



#76

Benzidine

Concen: 47.224 ng

RT: 20.37 min Scan# 2907

Delta R.T. -0.00 min

Lab File: BG033480.D

Acq: 2 Apr 2018 10:38

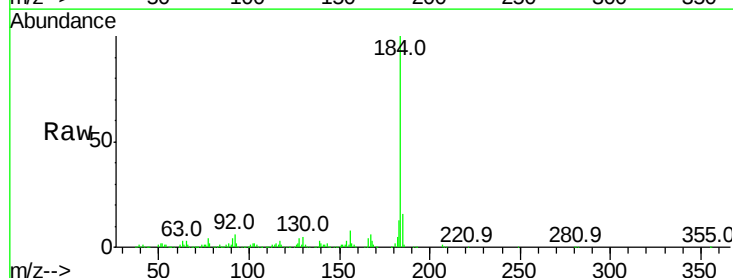
Tgt Ion:184 Resp: 493427

Ion Ratio Lower Upper

184 100

185 15.6 11.1 16.7

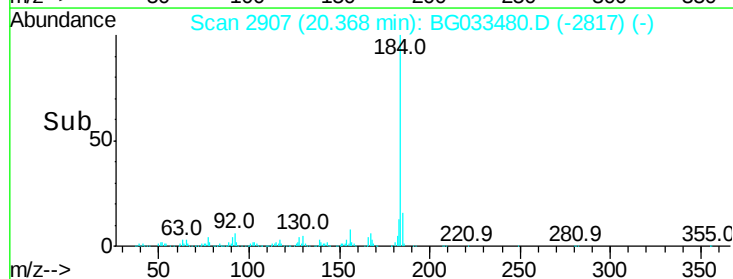
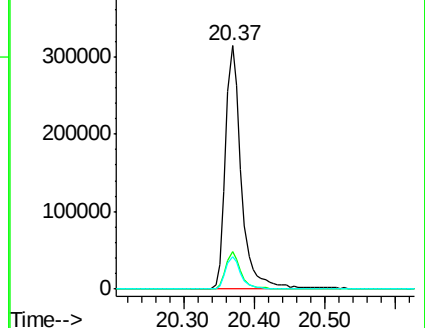
183 13.2 10.6 16.0

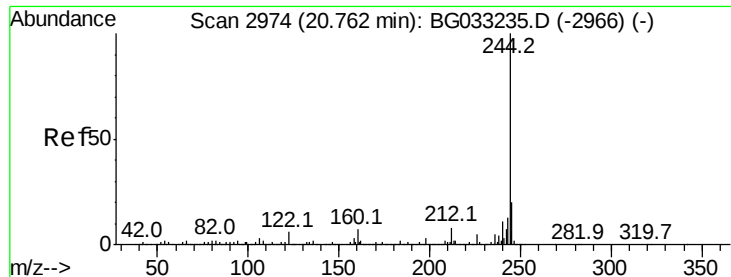


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 20.273 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG033480.D

Acq: 2 Apr 2018 10:38

Instrument :

BNA_G

ClientSampleId :

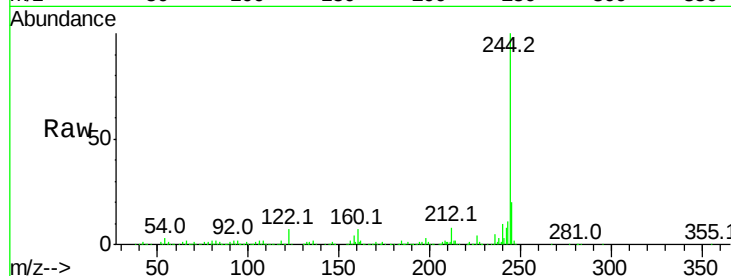
Tot Ion:244 Resp: 365249

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

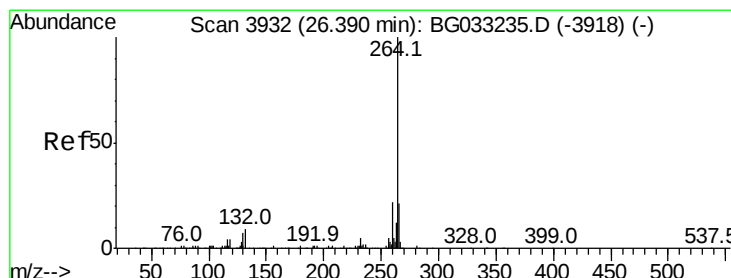
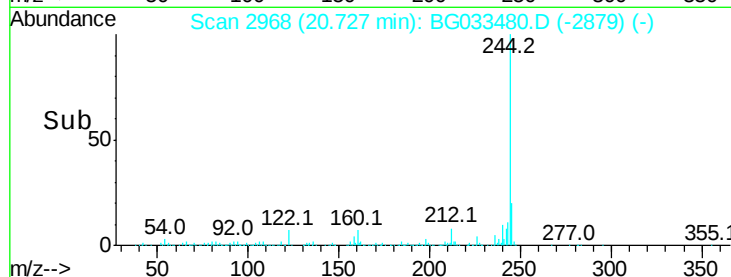
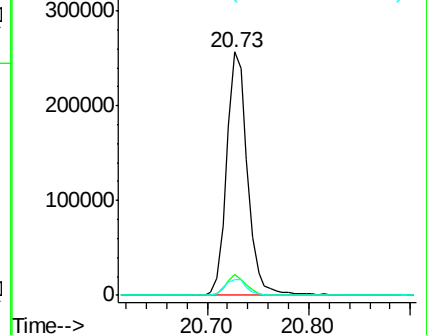
122 6.5 7.0 10.4#



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: 26.32 min Scan# 3920

Delta R.T. -0.01 min

Lab File: BG033480.D

Acq: 2 Apr 2018 10:38

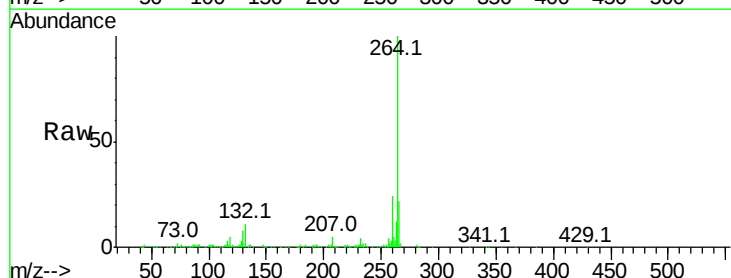
Tgt Ion:264 Resp: 402716

Ion Ratio Lower Upper

264 100

260 23.8 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

