

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041218\
 Data File : BG033777.D
 Acq On : 12 Apr 2018 18:02
 Operator : SJ/JU
 Sample : J2162-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 13 02:21:05 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 16:51:36 2018
 Response via : Initial Calibration

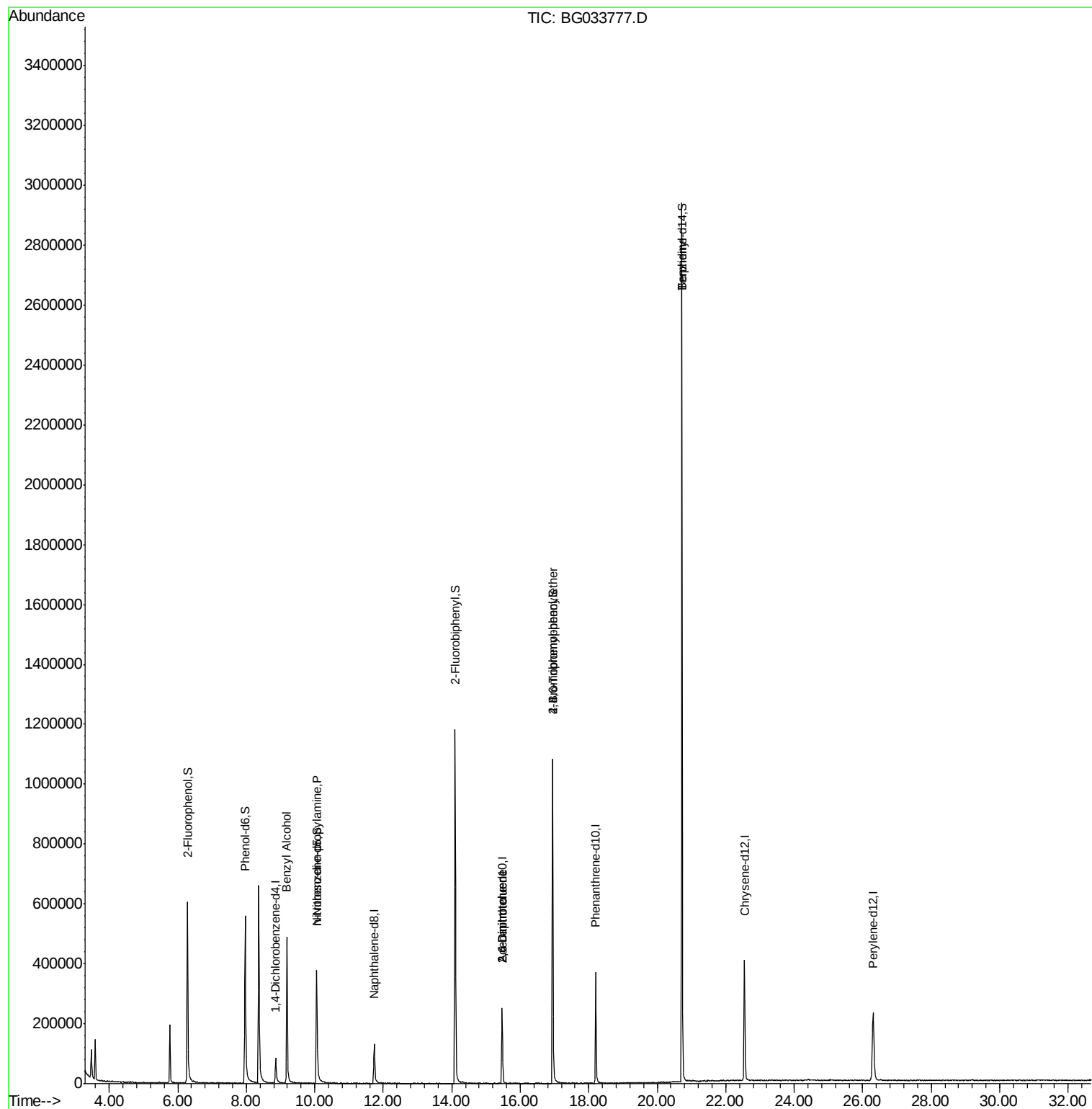
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	30736	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	135776	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	97024	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	269095	20.00	ng	0.00
75) Chrysene-d12	22.55	240	291576	20.00	ng	0.00
86) Perylene-d12	26.31	264	313651	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.28	112	281837	171.94	ng	0.00
7) Phenol-d6	7.97	99	387406	137.55	ng	0.00
23) Nitrobenzene-d5	10.06	82	298051	100.85	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	224126	154.45	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	678748	100.99	ng	0.00
78) Terphenyl-d14	20.72	244	1473780	108.10	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.18	79	5014	2.261	ng	# 47
19) n-Nitroso-di-n-propylamine	10.05	70	39601	19.189	ng	# 79
50) 2,6-Dinitrotoluene	15.47	165	12544	7.266	ng	# 22
56) 2,4-Dinitrotoluene	15.47	165	12544	4.935	ng	# 19
66) 4-Bromophenyl-phenylether	16.95	248	17011	5.383	ng	# 1
76) Benzidine	20.72	184	26261	3.321	ng	# 91

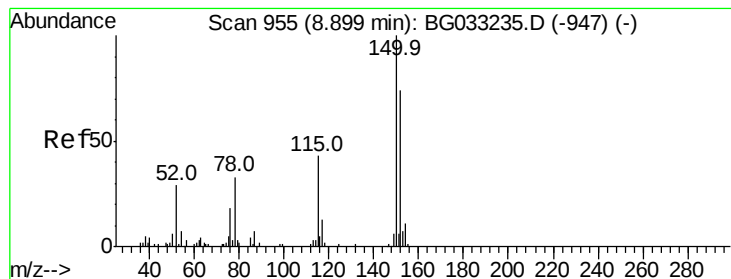
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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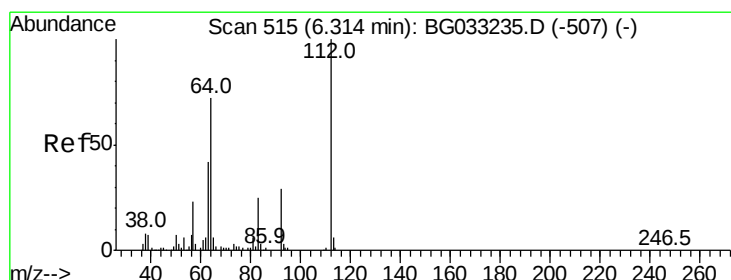
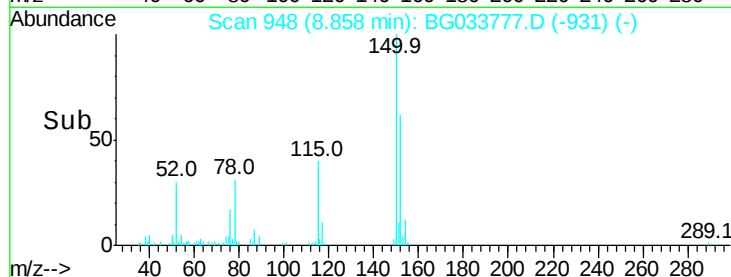
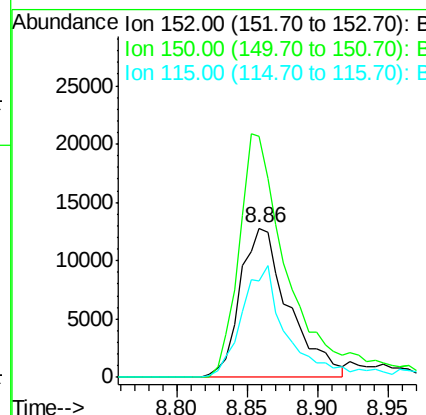
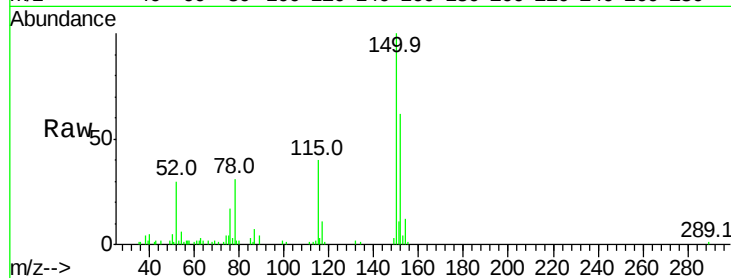


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. 0.00 min
Lab File: BG033777.D
Acq: 12 Apr 2018 18:02

Instrument :
BNA_G
ClientSampleId :

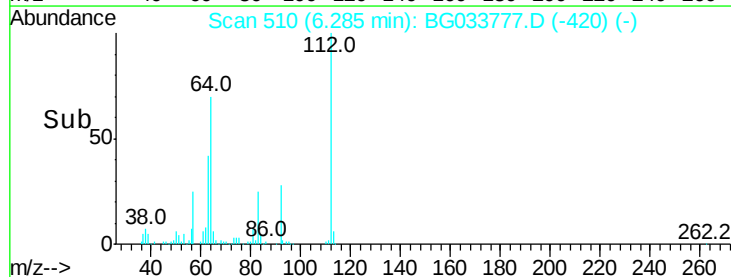
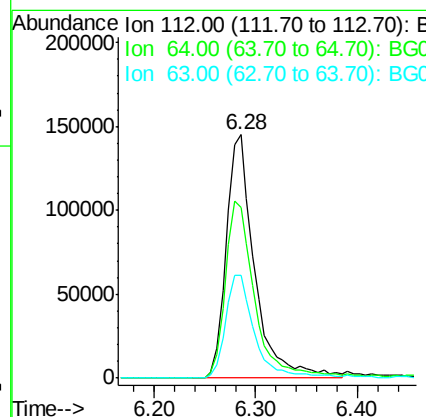
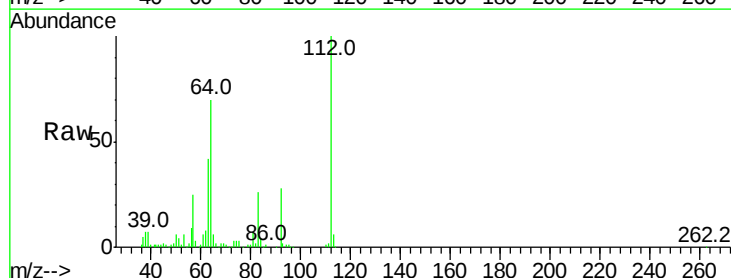
Tot Ion:152 Resp: 30736
Ion Ratio Lower Upper
152 100
150 161.3 126.6 189.8
115 64.8 53.0 79.4

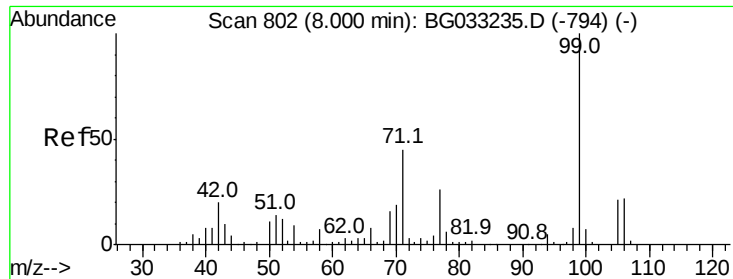


#5

2-Fluorophenol
Concen: 171.941 ng
RT: 6.28 min Scan# 510
Delta R.T. 0.00 min
Lab File: BG033777.D
Acq: 12 Apr 2018 18:02

Tgt Ion:112 Resp: 281837
Ion Ratio Lower Upper
112 100
64 70.2 56.3 84.5
63 42.4 30.1 45.1





#7

Phenol-d6

Concen: 137.554 ng

RT: 7.97 min Scan# 796

Delta R.T. -0.00 min

Lab File: BG033777.D

Acq: 12 Apr 2018 18:02

Instrument :

BNA_G

ClientSampleId :

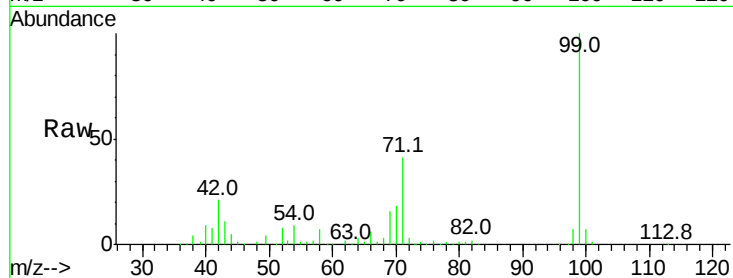
Tot Ion: 99 Resp: 387406

Ion Ratio Lower Upper

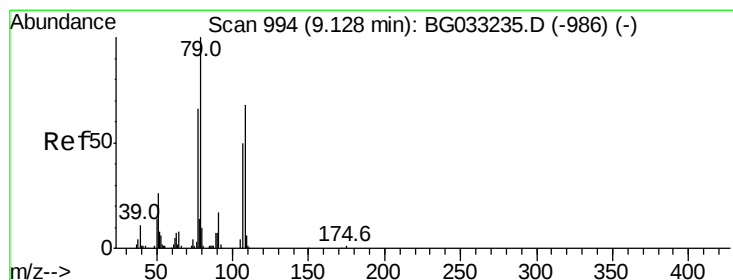
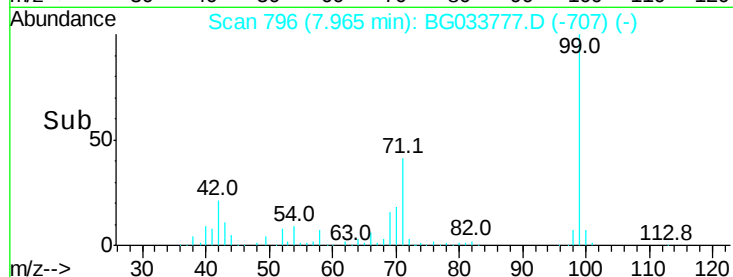
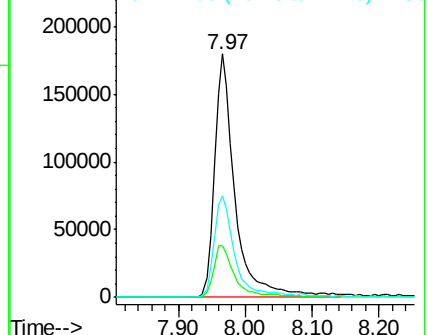
99 100

42 21.0 14.1 21.1

71 41.5 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



#15

Benzyl Alcohol

Concen: 2.261 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.09 min

Lab File: BG033777.D

Acq: 12 Apr 2018 18:02

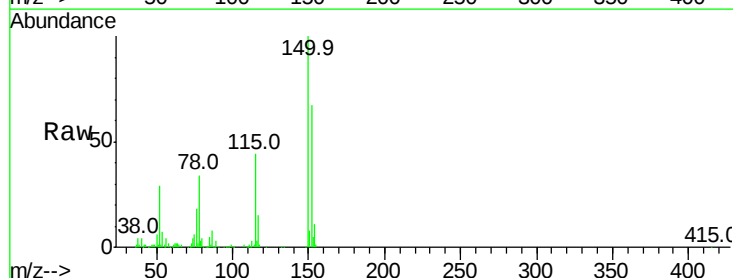
Tgt Ion: 79 Resp: 5014

Ion Ratio Lower Upper

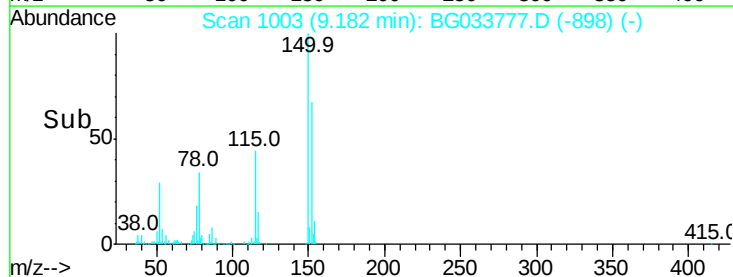
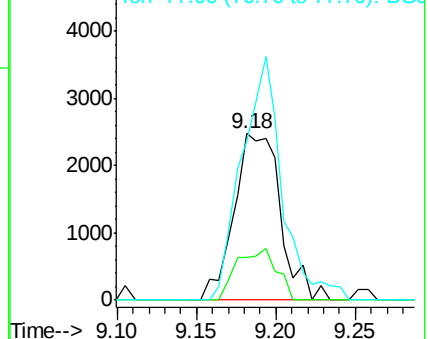
79 100

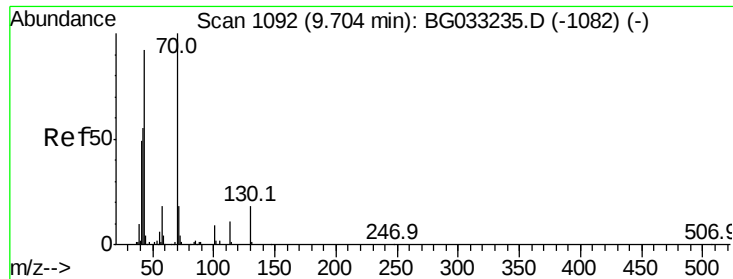
108 25.6 57.2 85.8#

77 95.2 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

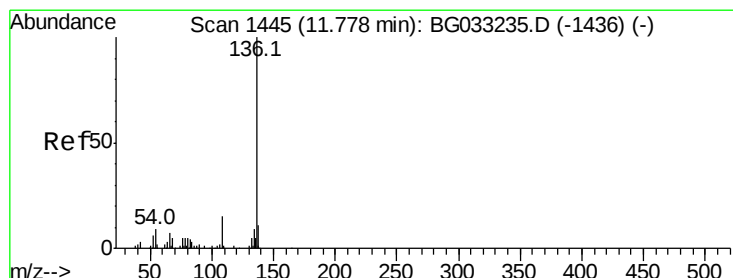
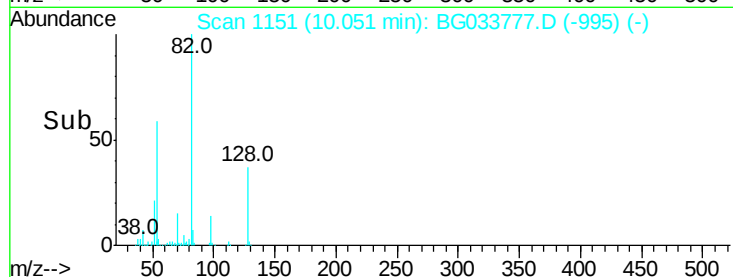
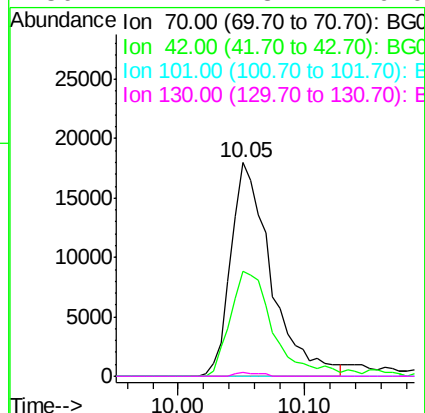
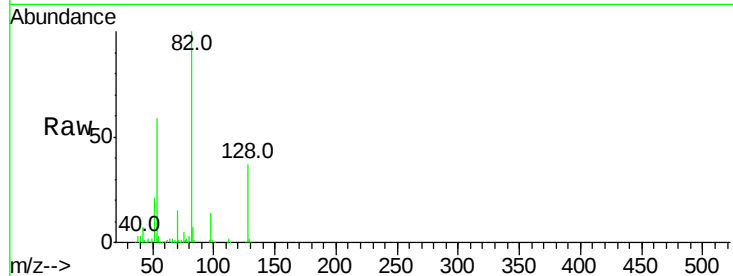




#19
n-Nitroso-di-n-propylamine
Concen: 19.189 ng
RT: 10.05 min Scan# 1151
Delta R.T. 0.39 min
Lab File: BG033777.D
Acq: 12 Apr 2018 18:02

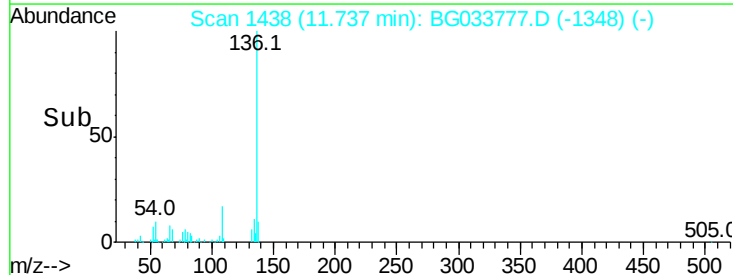
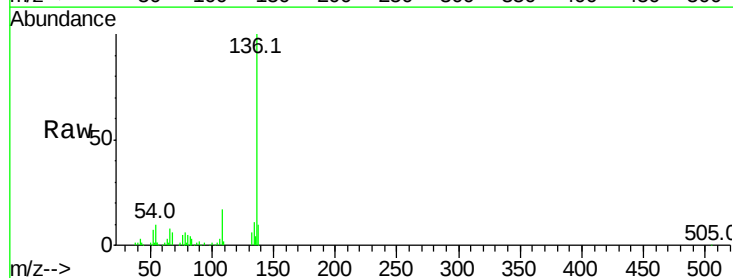
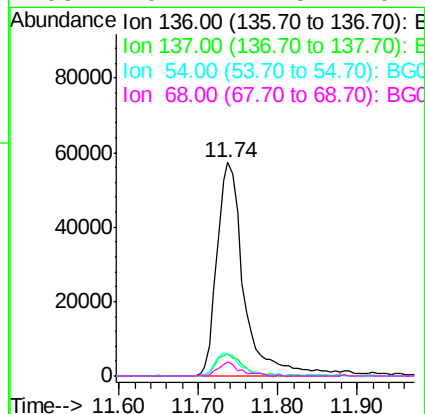
Instrument :
BNA_G
ClientSampleId :

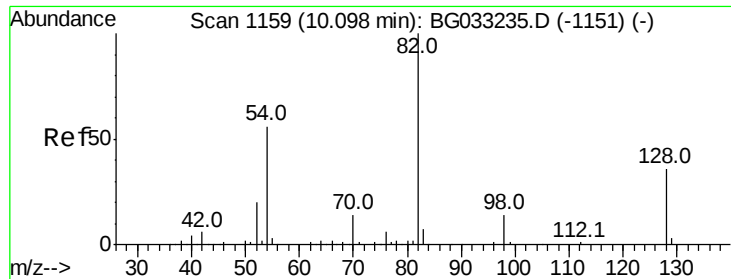
Tot Ion: 70 Resp: 39601
Ion Ratio Lower Upper
70 100
42 49.1 49.1 73.7#
101 0.0 8.5 12.7#
130 1.7 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BG033777.D
Acq: 12 Apr 2018 18:02

Tgt Ion:136 Resp: 135776
Ion Ratio Lower Upper
136 100
137 10.3 9.2 13.8
54 10.4 10.3 15.5
68 6.4 4.5 6.7

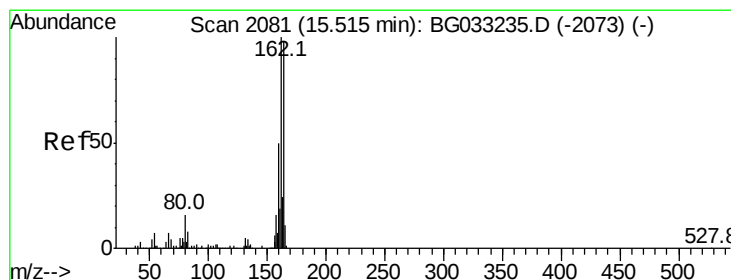
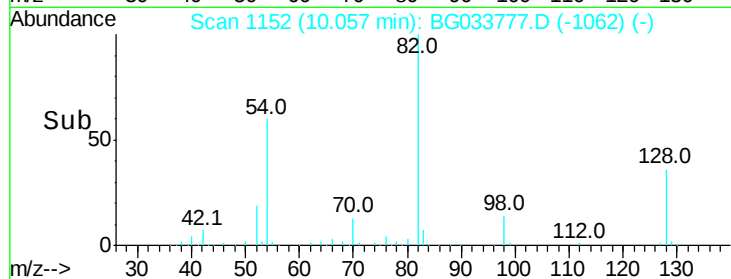
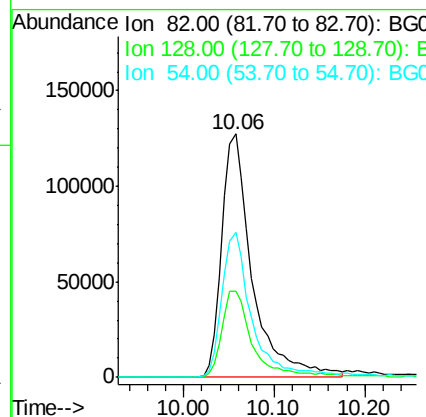
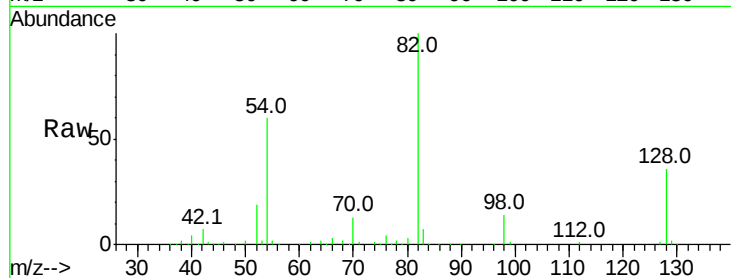




#23
 Nitrobenzene-d5
 Concen: 100.855 ng
 RT: 10.06 min Scan# 1152
 Delta R.T. 0.00 min
 Lab File: BG033777.D
 Acq: 12 Apr 2018 18:02

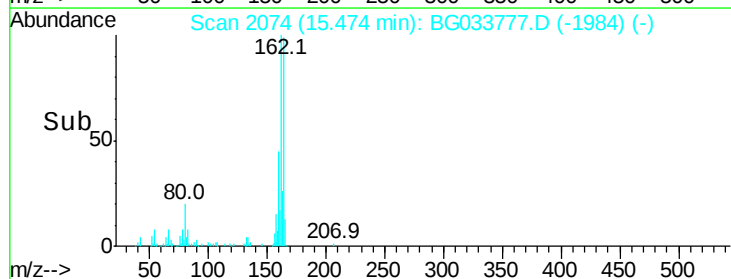
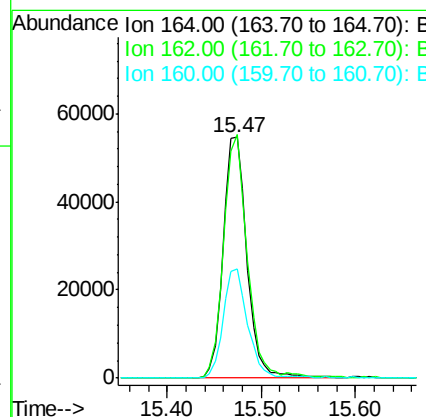
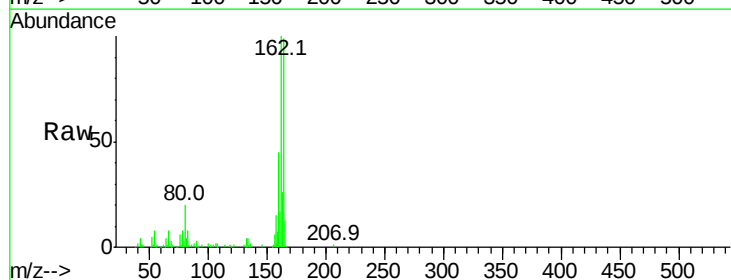
Instrument :
 BNA_G
 ClientSampleId :

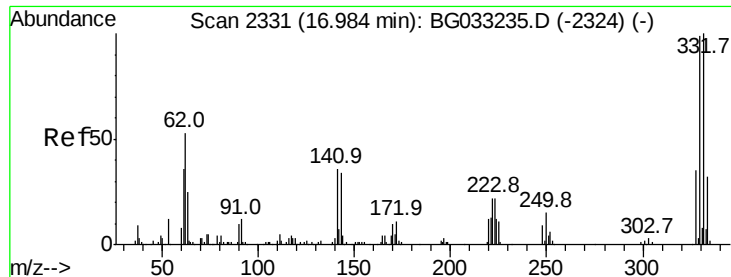
Tot Ion	Ratio	Lower	Upper
82	100		
128	35.6	29.7	44.5
54	59.7	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. 0.00 min
 Lab File: BG033777.D
 Acq: 12 Apr 2018 18:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	78.8	118.2
160	45.3	35.4	53.0

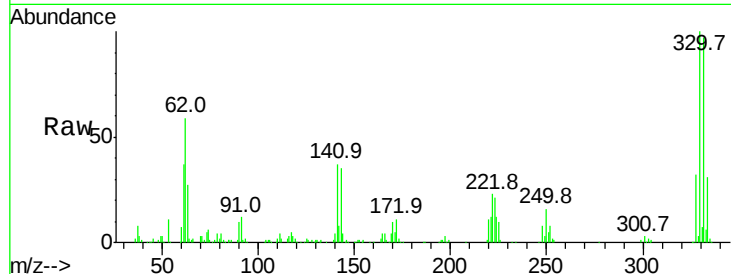




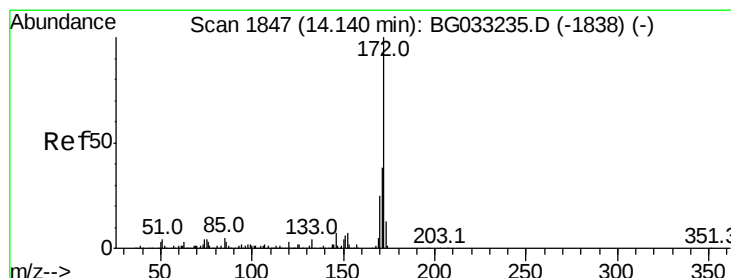
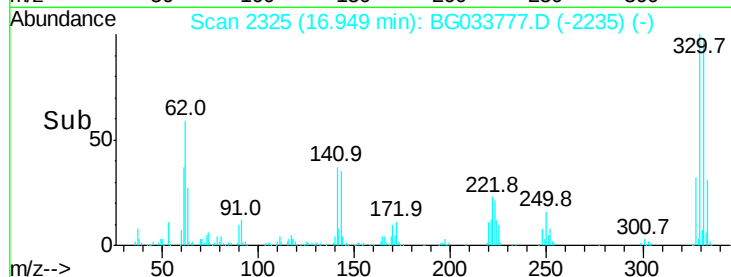
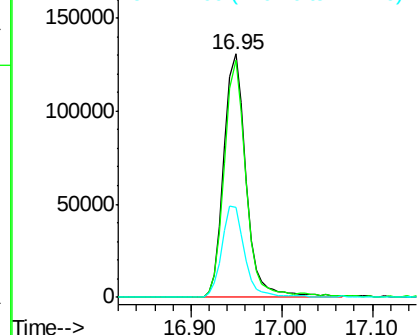
#41
 2,4,6-Tribromophenol
 Concen: 154.452 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: BG033777.D
 Acq: 12 Apr 2018 18:02

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	38.0	25.2	37.8#

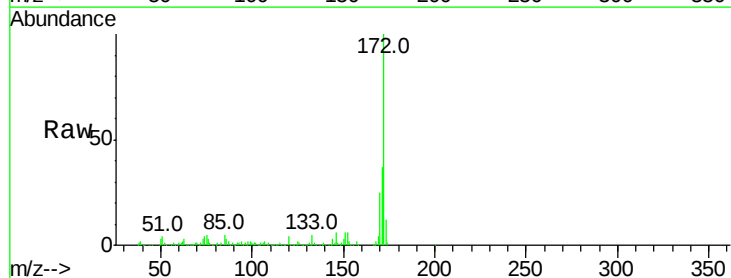


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

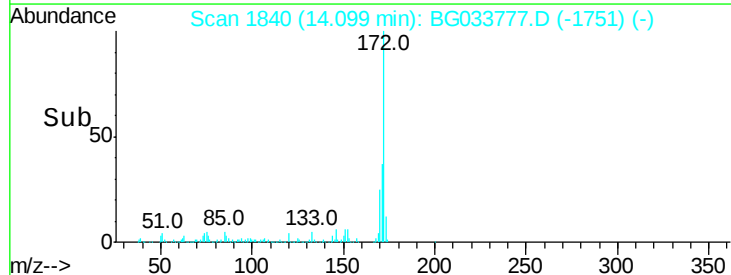
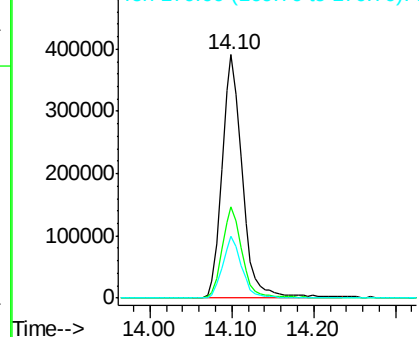


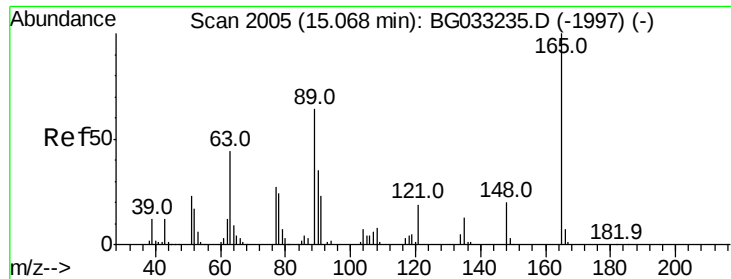
#44
 2-Fluorobiphenyl
 Concen: 100.992 ng
 RT: 14.10 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BG033777.D
 Acq: 12 Apr 2018 18:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	25.2	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

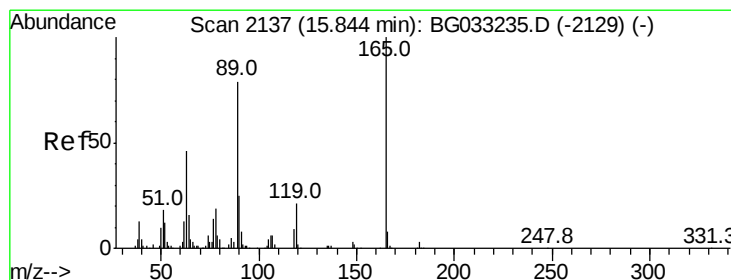
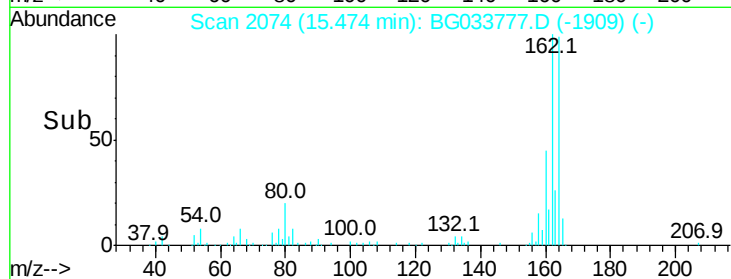
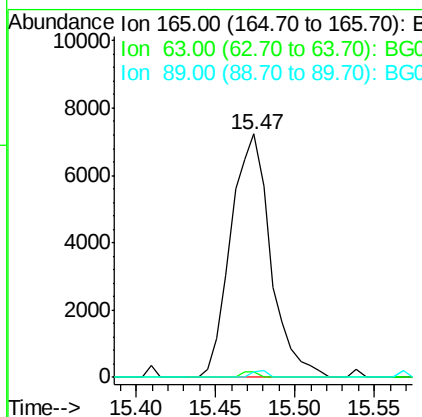
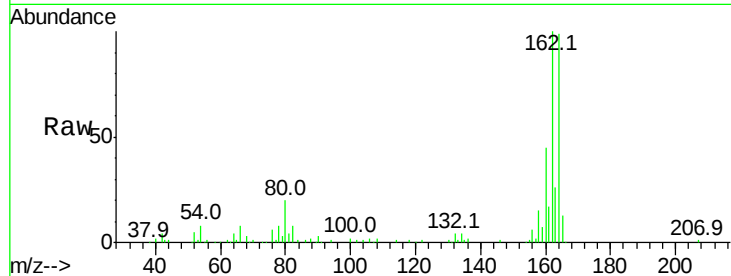




#50
2,6-Dinitrotoluene
Concen: 7.266 ng
RT: 15.47 min Scan# 2074
Delta R.T. 0.44 min
Lab File: BG033777.D
Acq: 12 Apr 2018 18:02

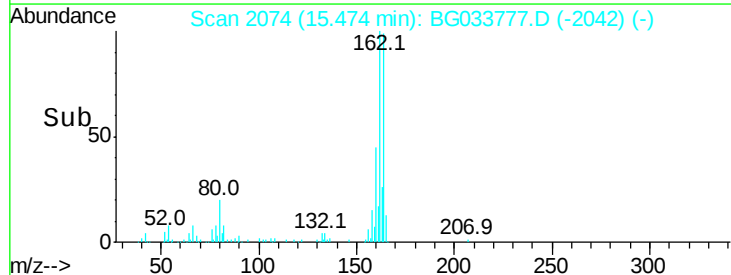
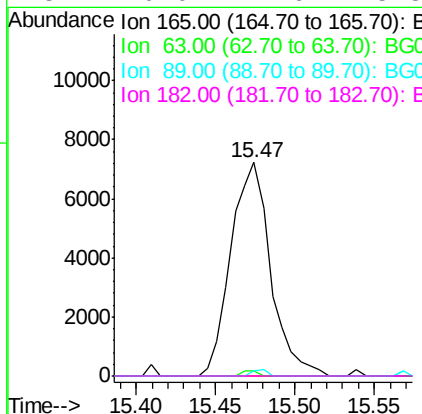
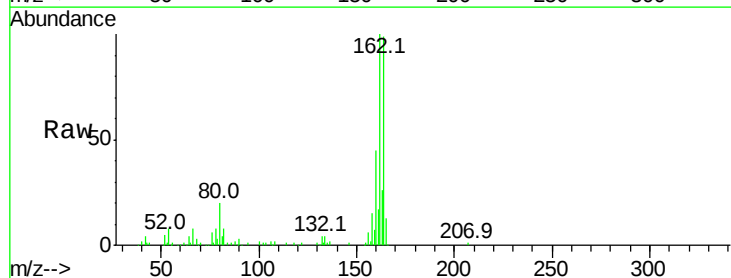
Instrument :
BNA_G
ClientSampleId :

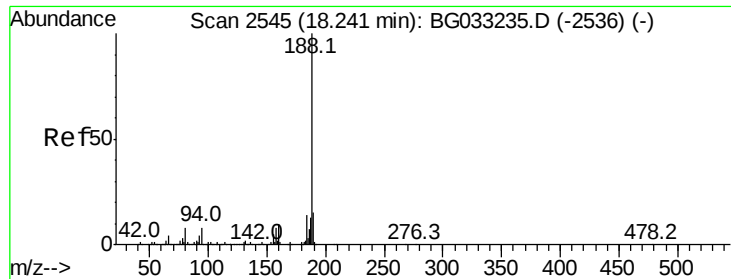
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.5	52.7	79.1#
89	2.5	49.2	73.8#



#56
2,4-Dinitrotoluene
Concen: 4.935 ng
RT: 15.47 min Scan# 2074
Delta R.T. -0.34 min
Lab File: BG033777.D
Acq: 12 Apr 2018 18:02

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

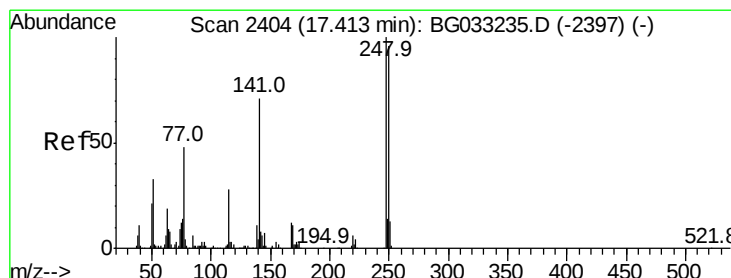
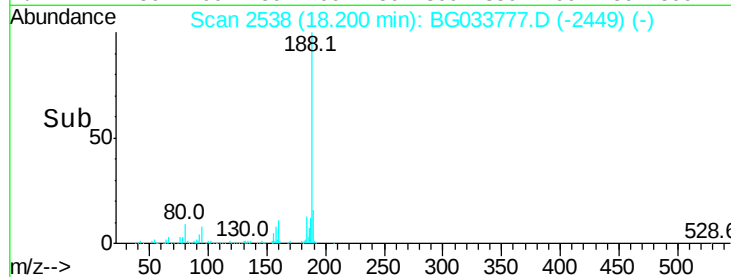
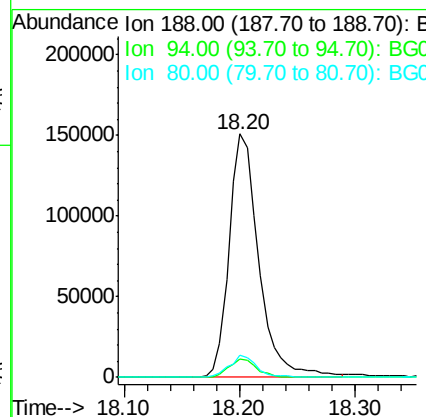
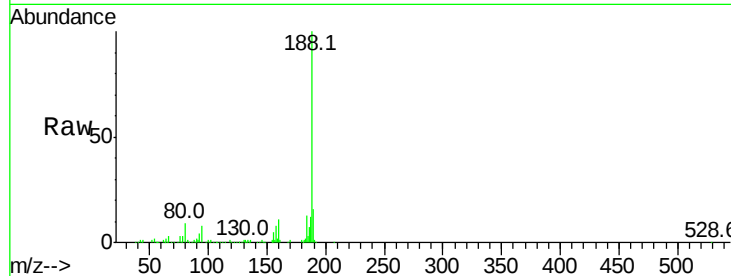




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.20 min Scan# 2538
 Delta R.T. -0.00 min
 Lab File: BG033777.D
 Acq: 12 Apr 2018 18:02

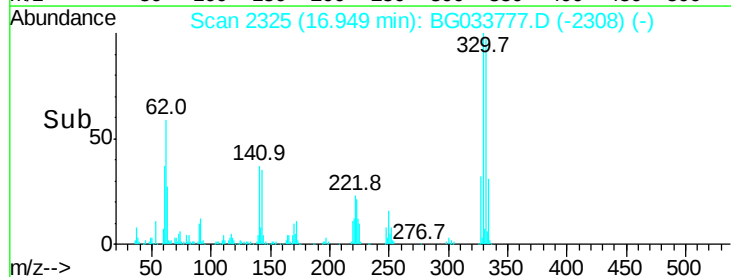
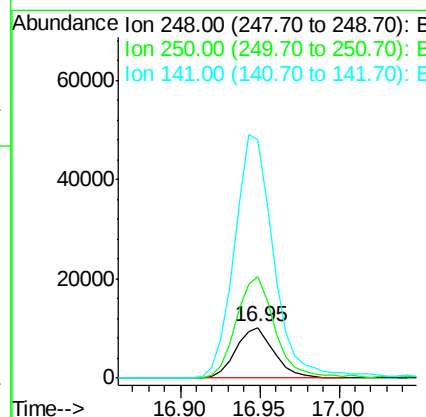
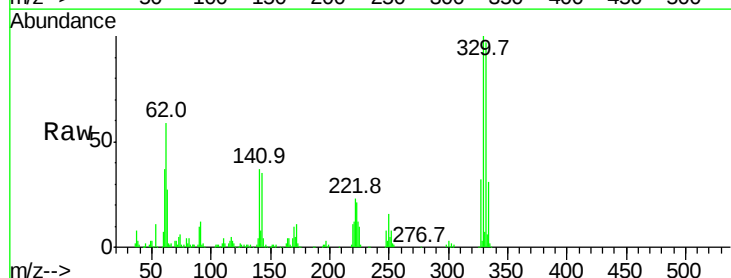
Instrument :
 BNA_G
 ClientSampleId :

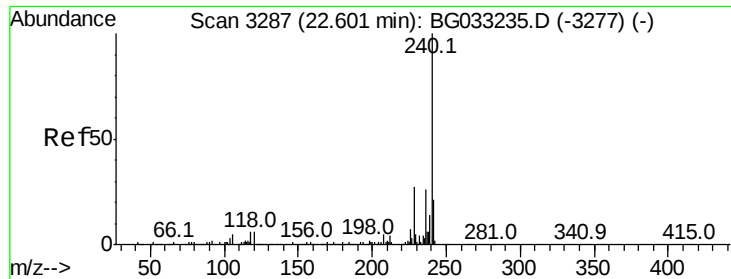
Tot Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.9	10.3
80	8.9	7.7	11.5



#66
 4-Bromophenyl-phenylether
 Concen: 5.383 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.43 min
 Lab File: BG033777.D
 Acq: 12 Apr 2018 18:02

Tgt Ion	Ratio	Lower	Upper
248	100		
250	199.6	77.1	115.7#
141	469.8	50.8	76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3278

Delta R.T. -0.00 min

Lab File: BG033777.D

Acq: 12 Apr 2018 18:02

Instrument :

BNA_G

ClientSampleId :

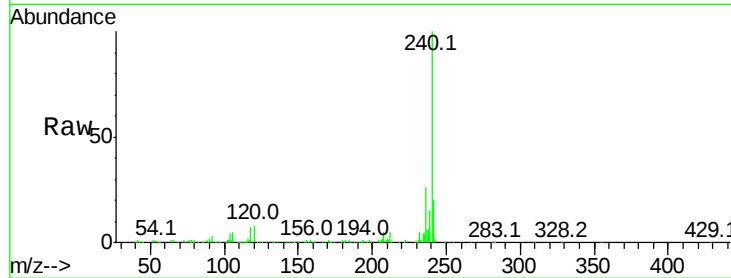
Tot Ion:240 Resp: 291576

Ion Ratio Lower Upper

240 100

120 8.0 6.8 10.2

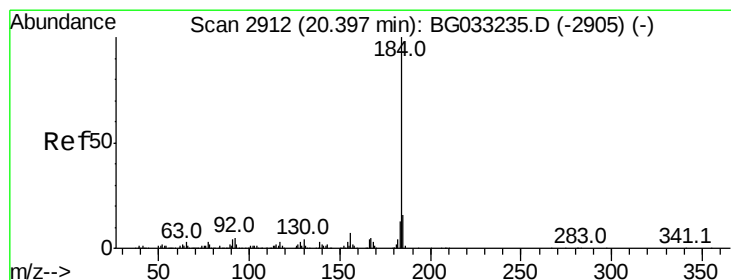
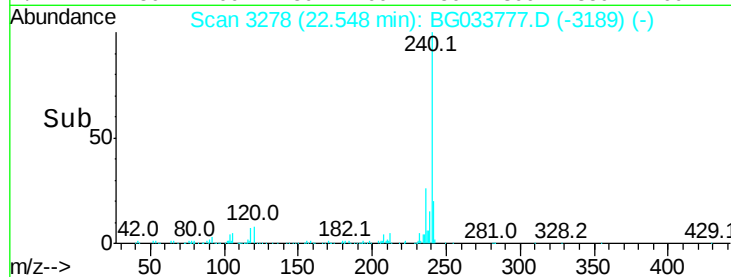
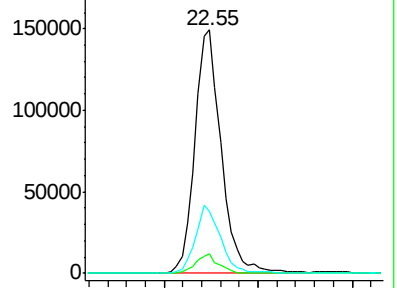
236 25.6 20.9 31.3



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



#76

Benzidine

Concen: 3.321 ng

RT: 20.72 min Scan# 2967

Delta R.T. 0.36 min

Lab File: BG033777.D

Acq: 12 Apr 2018 18:02

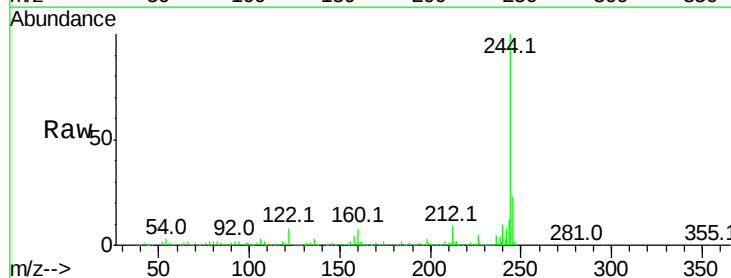
Tgt Ion:184 Resp: 26261

Ion Ratio Lower Upper

184 100

185 15.2 11.1 16.7

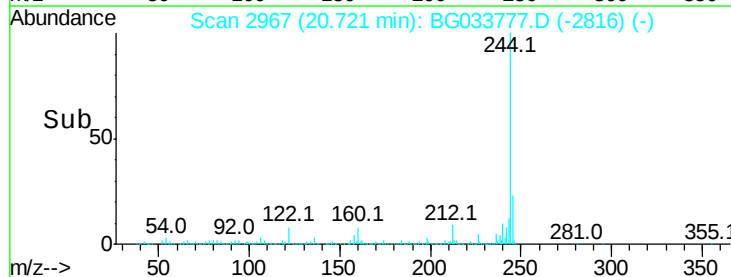
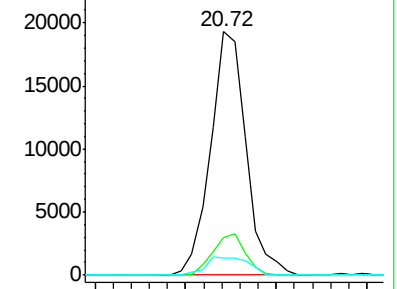
183 7.2 10.6 16.0#

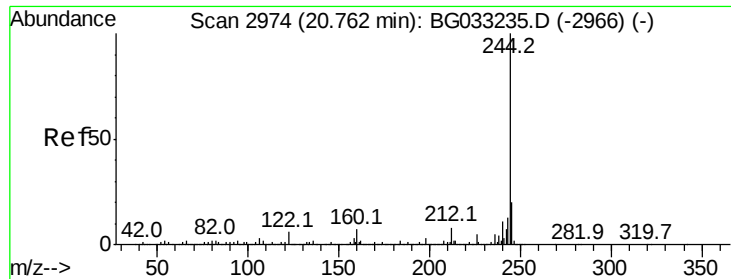


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 108.097 ng

RT: 20.72 min Scan# 2967

Delta R.T. -0.00 min

Lab File: BG033777.D

Acq: 12 Apr 2018 18:02

Instrument :

BNA_G

ClientSampleId :

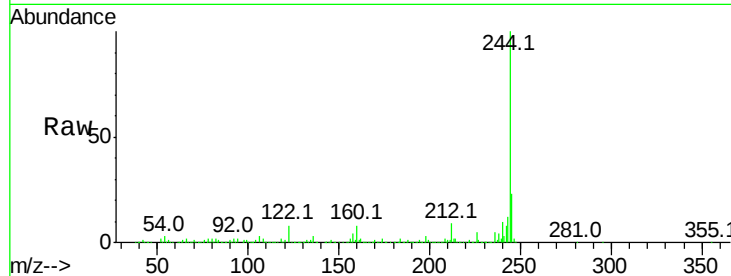
Tot Ion:244 Resp: 1473780

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

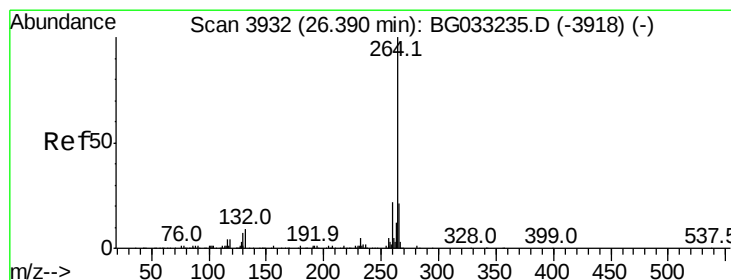
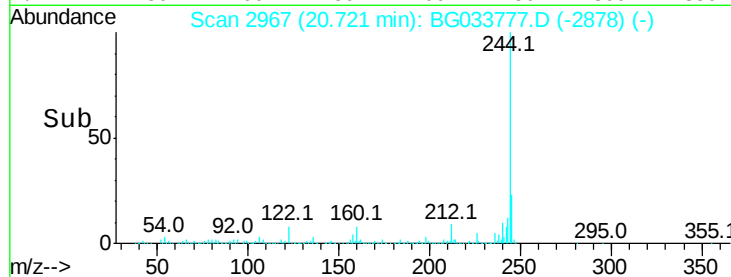
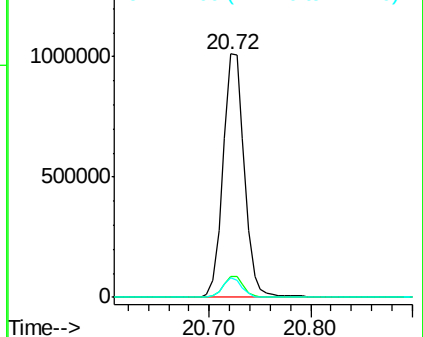
122 8.1 7.0 10.4



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# 3918

Delta R.T. 0.00 min

Lab File: BG033777.D

Acq: 12 Apr 2018 18:02

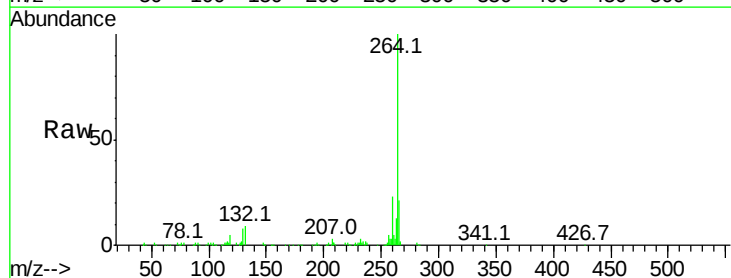
Tgt Ion:264 Resp: 313651

Ion Ratio Lower Upper

264 100

260 23.4 17.4 26.0

265 21.4 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

