

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032618\
 Data File : BG033354.D
 Acq On : 27 Mar 2018 6:32
 Operator : SJ/JU
 Sample : J1760-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 27 07:54:04 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 15:11:46 2018
 Response via : Initial Calibration

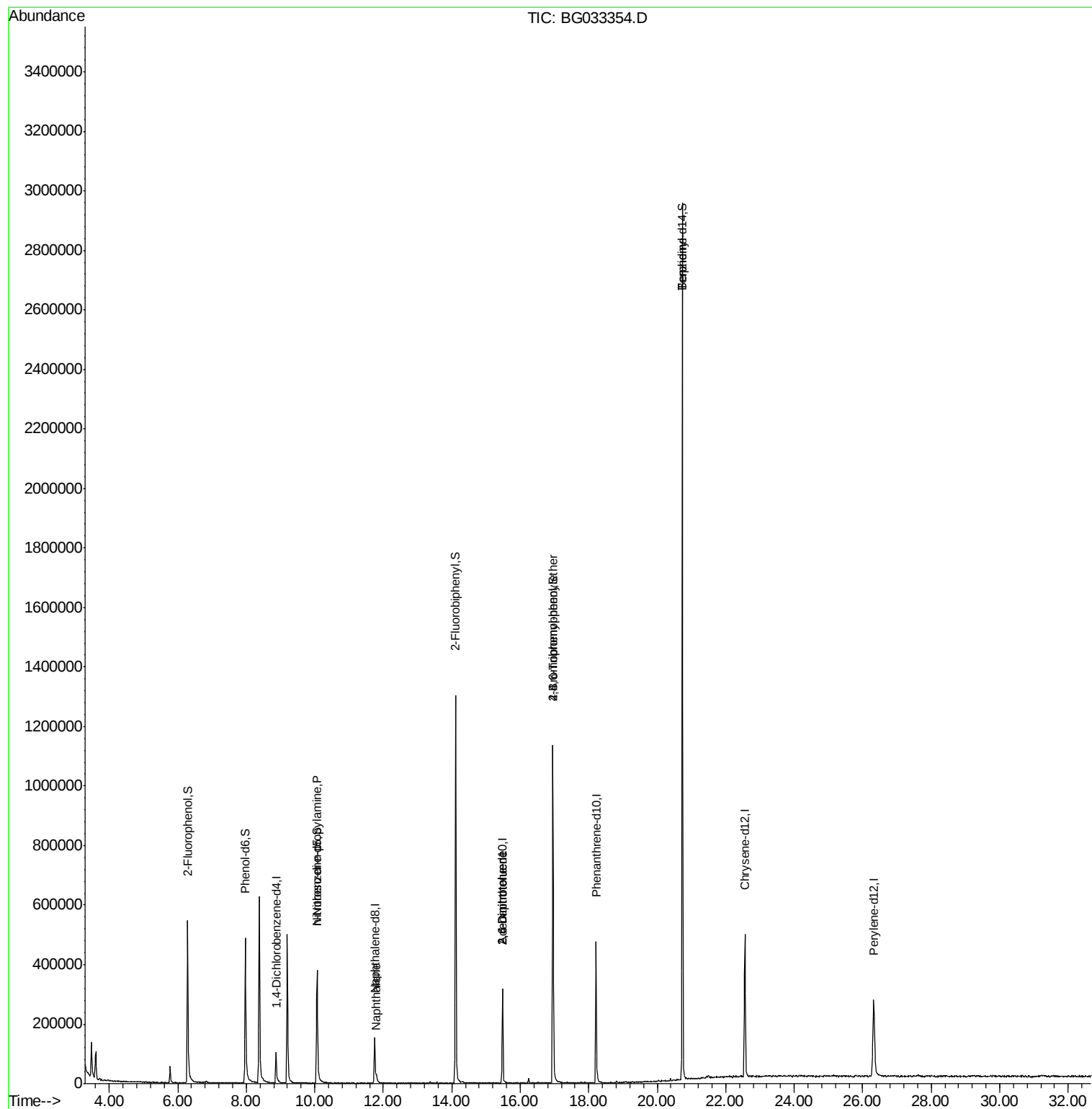
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	39364	20.00	ng	-0.03
21) Naphthalene-d8	11.75	136	158290	20.00	ng	-0.03
38) Acenaphthene-d10	15.48	164	123809	20.00	ng	-0.03
63) Phenanthrene-d10	18.21	188	335033	20.00	ng	-0.03
75) Chrysene-d12	22.56	240	362956	20.00	ng	-0.04
86) Perylene-d12	26.32	264	384371	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	280548	133.64	ng	-0.02
7) Phenol-d6	7.97	99	371715	103.05	ng	-0.03
23) Nitrobenzene-d5	10.07	82	304362	88.34	ng	-0.03
41) 2,4,6-Tribromophenol	16.95	330	236685	127.82	ng	-0.03
44) 2-Fluorobiphenyl	14.11	172	772526	90.08	ng	-0.03
78) Terphenyl-d14	20.73	244	1490576	87.83	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.07	70	39782	15.051	ng	Qvalue # 76
31) Naphthalene	11.80	128	21960	2.677	ng	# 96
50) 2,6-Dinitrotoluene	15.48	165	16301	7.399	ng	# 22
56) 2,4-Dinitrotoluene	15.48	165	16301	5.025	ng	# 20
66) 4-Bromophenyl-phenylether	16.95	248	17348	4.409	ng	# 1
76) Benzidine	20.73	184	25105	2.551	ng	# 92

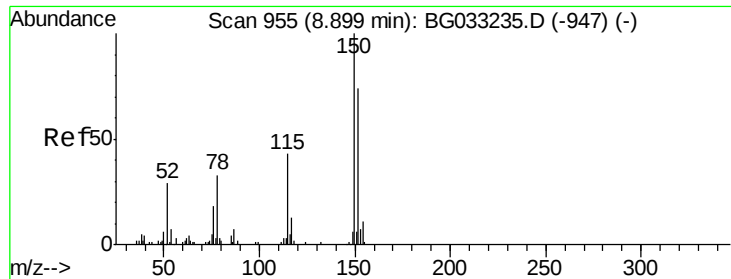
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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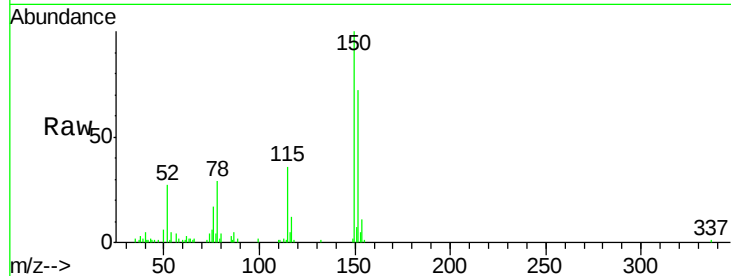


#1

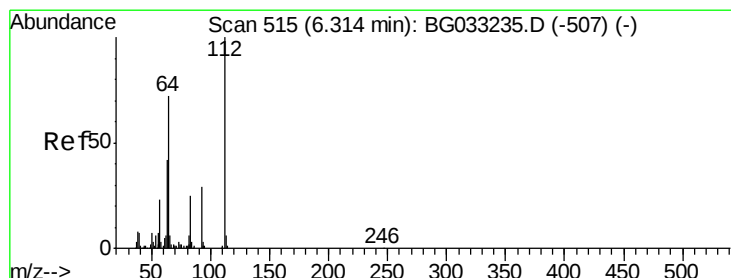
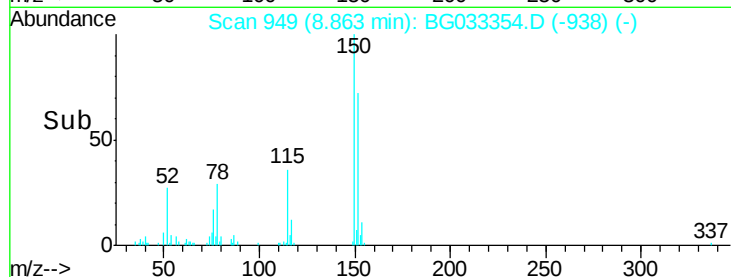
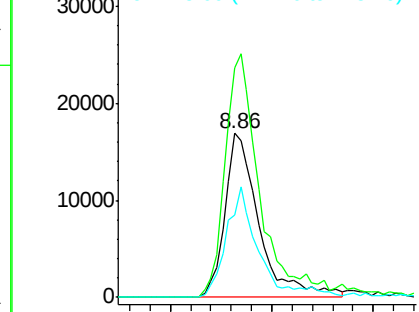
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.03 min
Lab File: BG033354.D
Acq: 27 Mar 2018 6:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 39364
Ion Ratio Lower Upper
152 100
150 139.8 126.6 189.8
115 50.0 53.0 79.4#



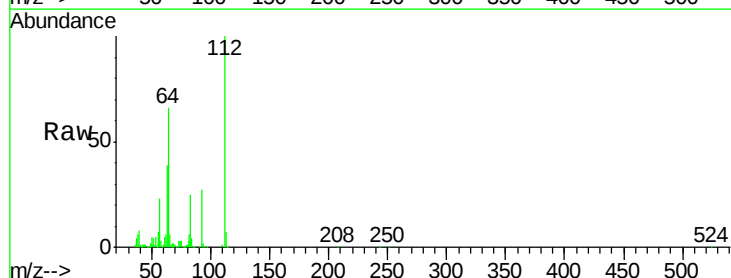
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



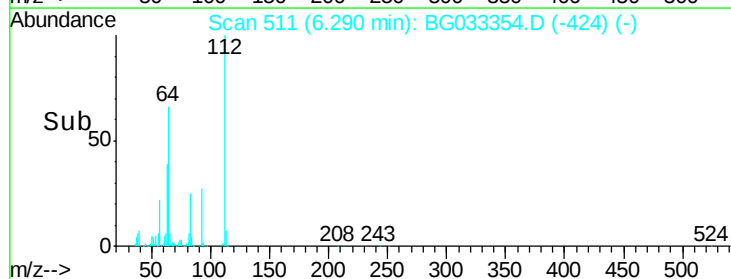
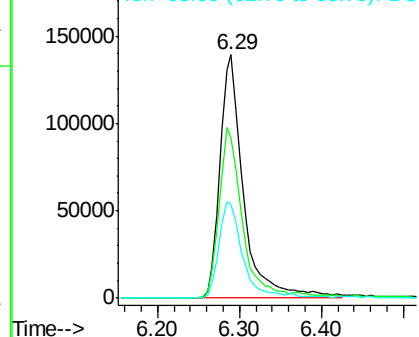
#5

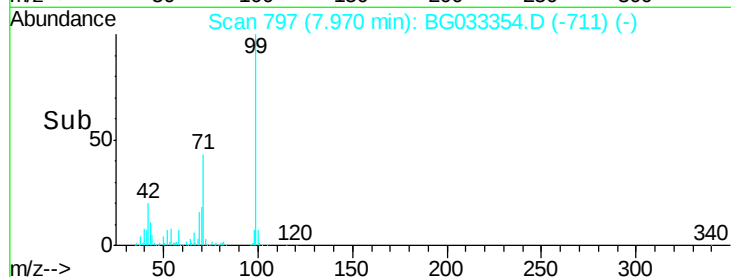
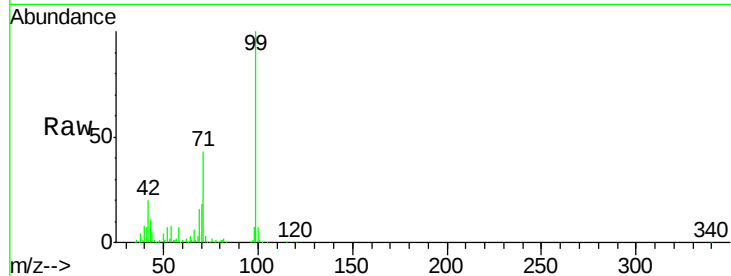
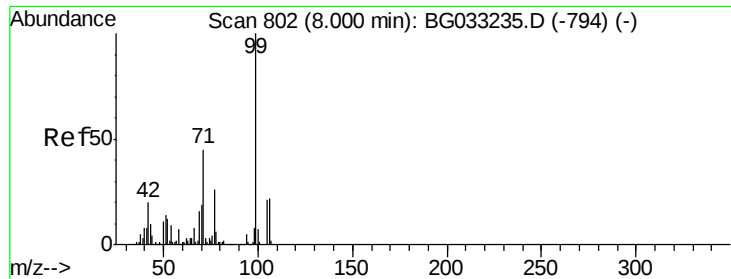
2-Fluorophenol
Concen: 133.640 ng
RT: 6.29 min Scan# 511
Delta R.T. -0.02 min
Lab File: BG033354.D
Acq: 27 Mar 2018 6:32

Tgt Ion:112 Resp: 280548
Ion Ratio Lower Upper
112 100
64 65.9 56.3 84.5
63 38.6 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: 103.054 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.03 min

Lab File: BG033354.D

Acq: 27 Mar 2018 6:32

Instrument :

BNA_G

ClientSampleId :

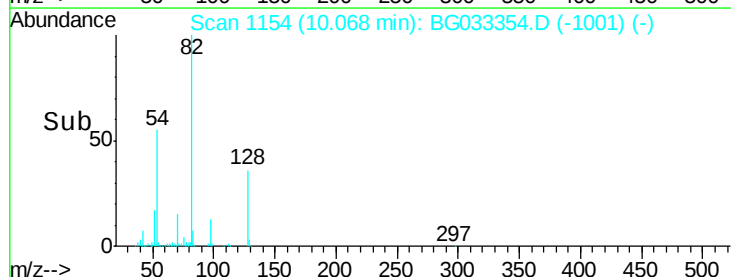
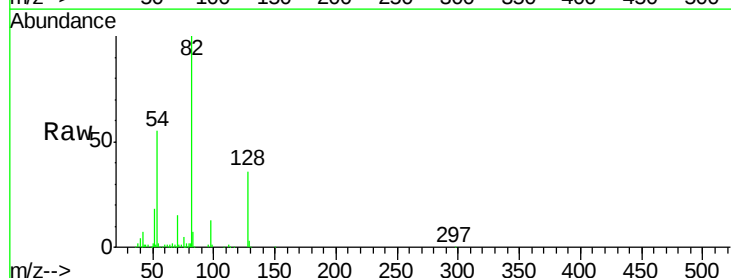
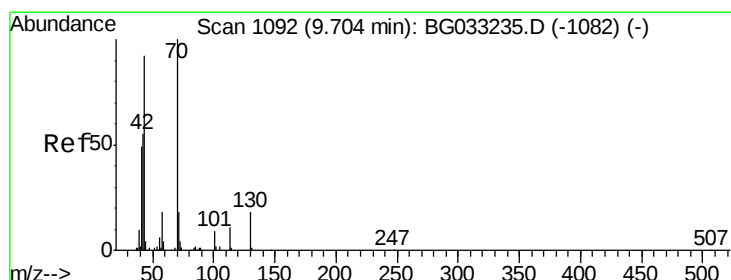
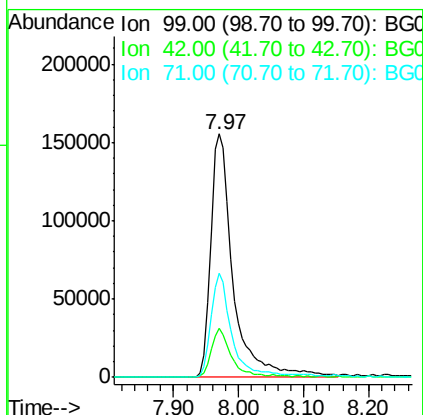
Tot Ion: 99 Resp: 371715

Ion Ratio Lower Upper

99 100

42 19.9 14.1 21.1

71 42.8 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.051 ng

RT: 10.07 min Scan# 1154

Delta R.T. 0.37 min

Lab File: BG033354.D

Acq: 27 Mar 2018 6:32

Tgt Ion: 70 Resp: 39782

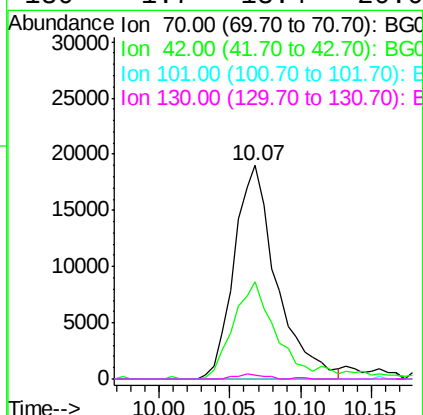
Ion Ratio Lower Upper

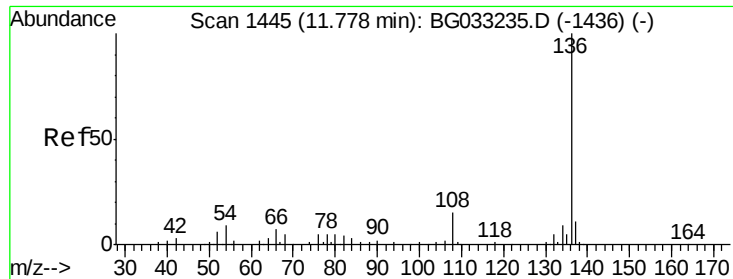
70 100

42 45.7 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: 11.75 min Scan# 1440

Delta R.T. -0.03 min

Lab File: BG033354.D

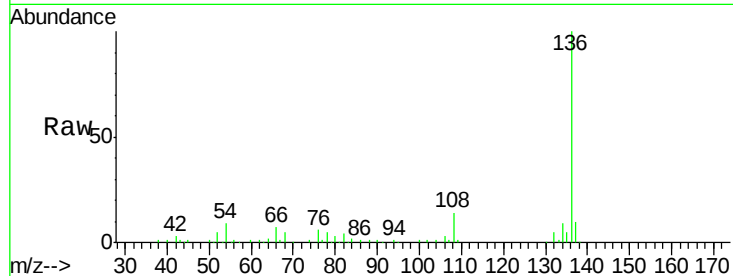
Acq: 27 Mar 2018 6:32

Instrument :

BNA_G

ClientSampled :

Tot Ion:	136	Resp:	158290
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.2	13.8
54	9.3	10.3	15.5#
68	4.9	4.5	6.7

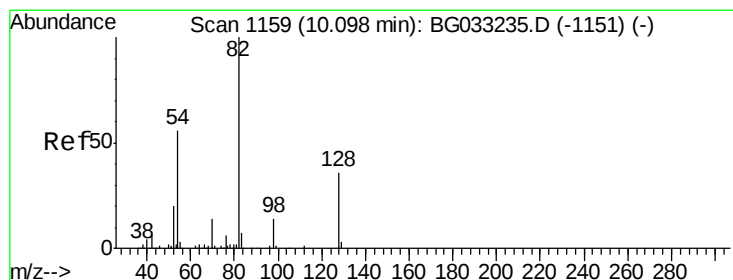
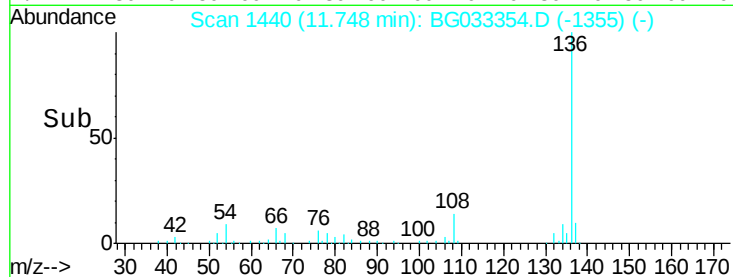
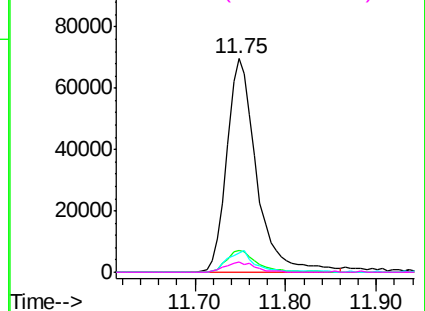


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.342 ng

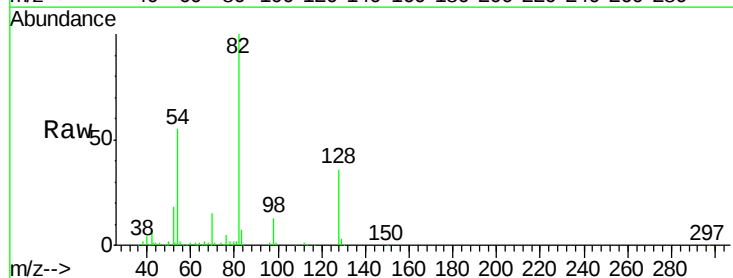
RT: 10.07 min Scan# 1154

Delta R.T. -0.03 min

Lab File: BG033354.D

Acq: 27 Mar 2018 6:32

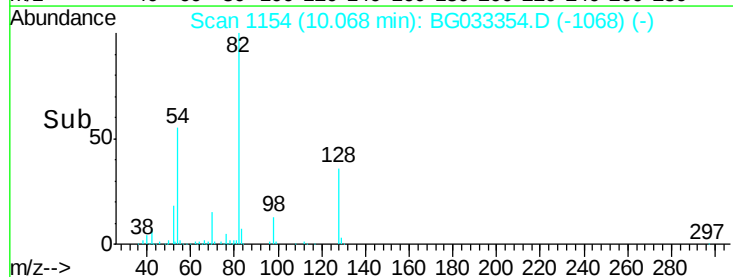
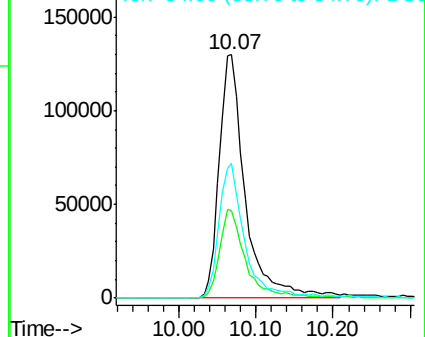
Tgt Ion:	82	Resp:	304362
Ion	Ratio	Lower	Upper
82	100		
128	36.1	29.7	44.5
54	55.4	43.1	64.7

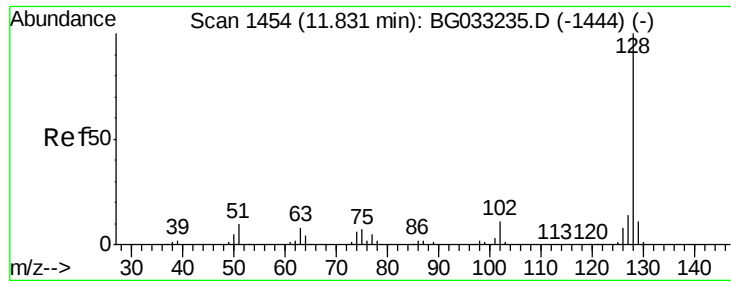


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

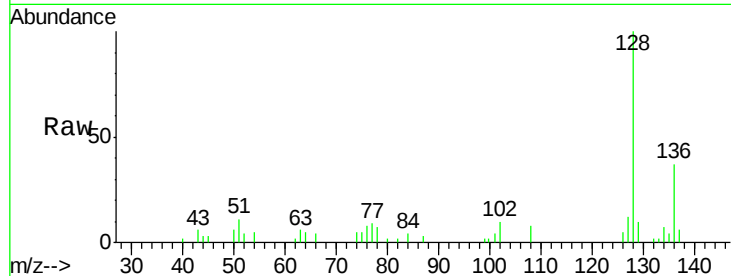




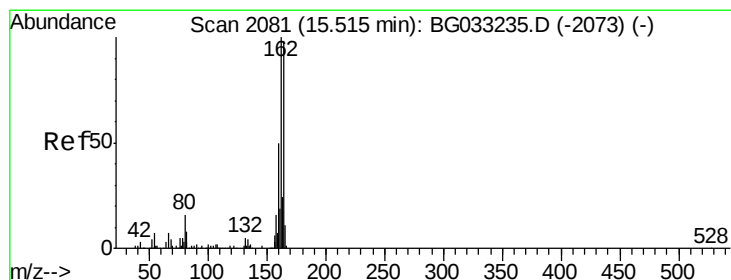
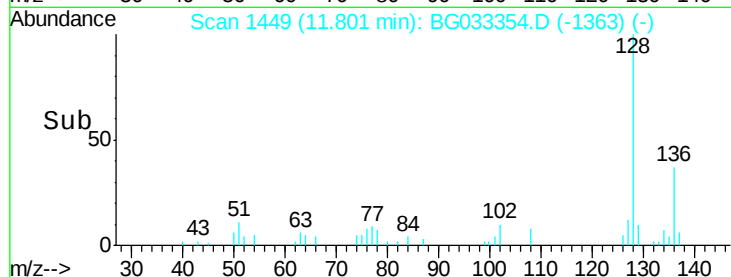
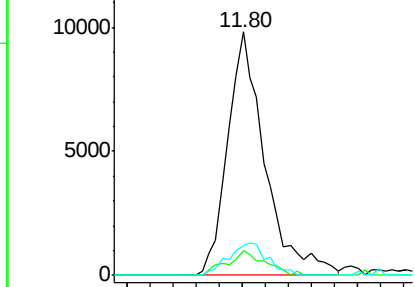
#31
Naphthalene
Concen: 2.677 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.03 min
Lab File: BG033354.D
Acq: 27 Mar 2018 6:32

Instrument :
BNA_G
ClientSampled :

Tot Ion:128 Resp: 21960
Ion Ratio Lower Upper
128 100
129 10.3 8.6 12.8
127 12.2 11.6 17.4

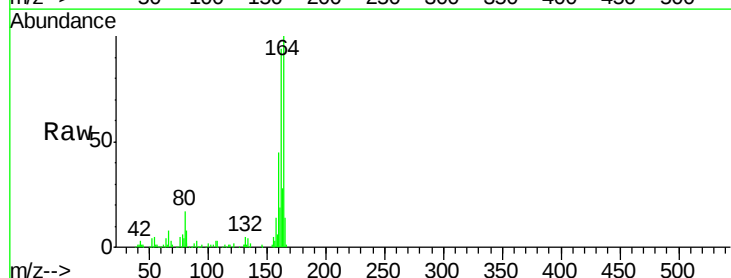


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

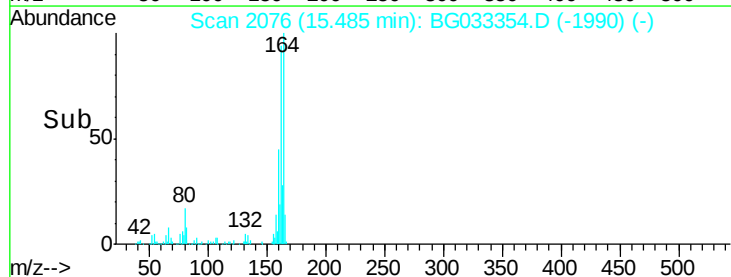
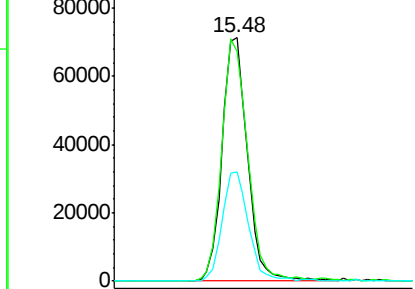


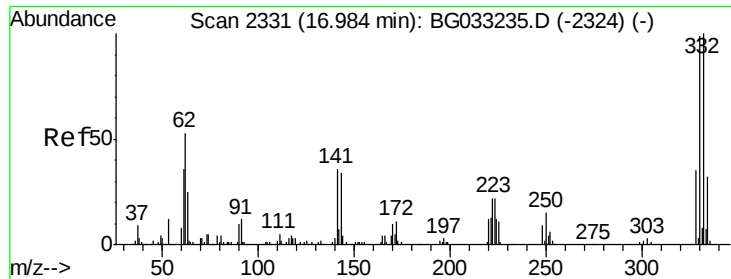
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.48 min Scan# 2076
Delta R.T. -0.03 min
Lab File: BG033354.D
Acq: 27 Mar 2018 6:32

Tgt Ion:164 Resp: 123809
Ion Ratio Lower Upper
164 100
162 94.2 78.8 118.2
160 44.9 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: 127.820 ng

RT: 16.95 min Scan# 2326

Delta R.T. -0.03 min

Lab File: BG033354.D

Acq: 27 Mar 2018 6:32

Instrument :

BNA_G

ClientSampleId :

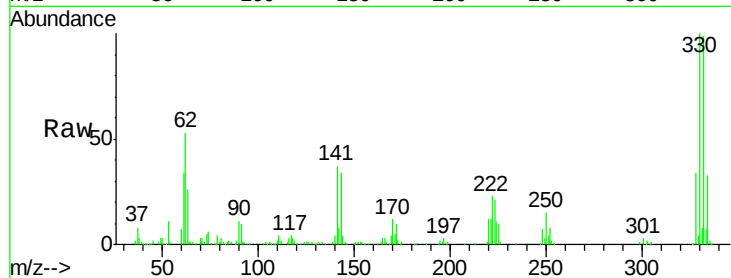
Tot Ion:330 Resp: 236685

Ion Ratio Lower Upper

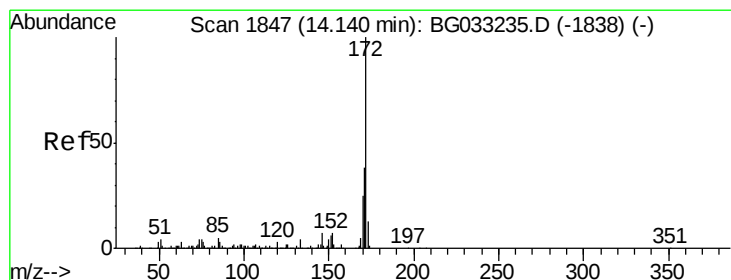
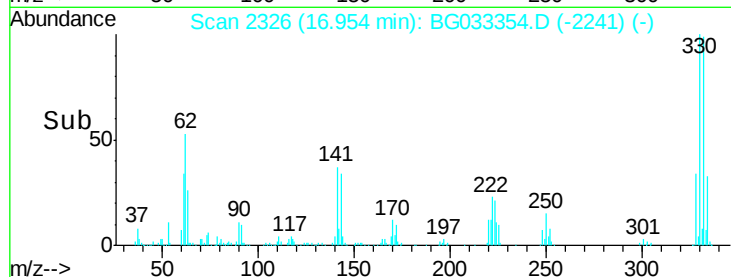
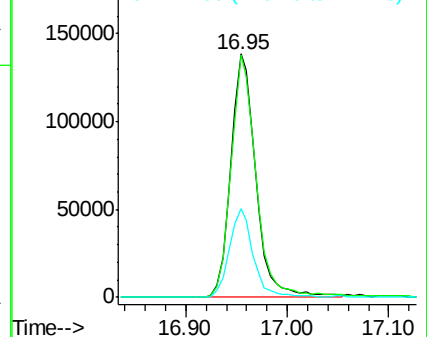
330 100

332 99.8 77.0 115.6

141 35.0 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: 90.078 ng

RT: 14.11 min Scan# 1842

Delta R.T. -0.03 min

Lab File: BG033354.D

Acq: 27 Mar 2018 6:32

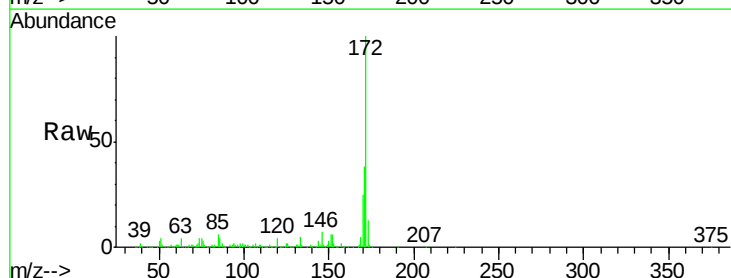
Tgt Ion:172 Resp: 772526

Ion Ratio Lower Upper

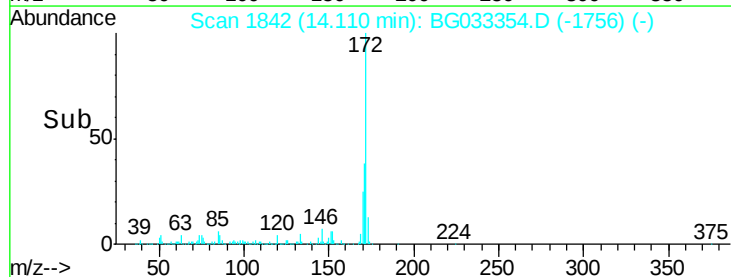
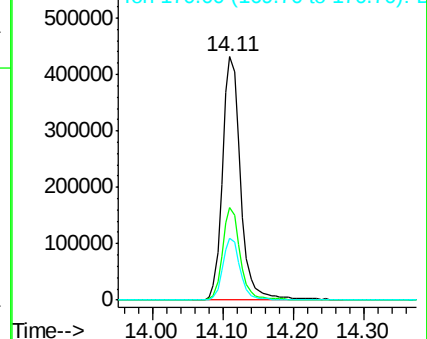
172 100

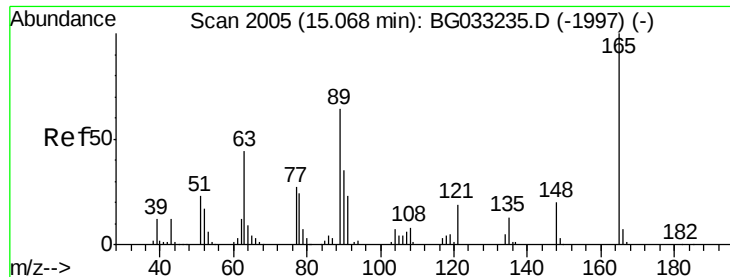
171 38.2 30.0 45.0

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

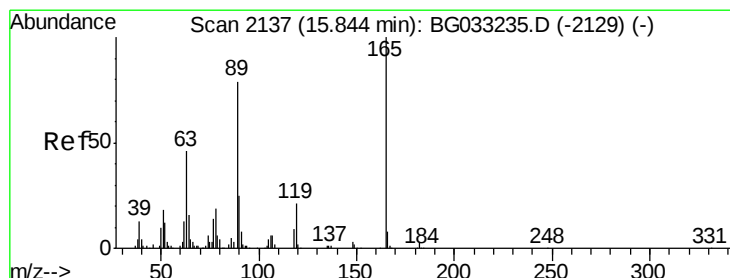
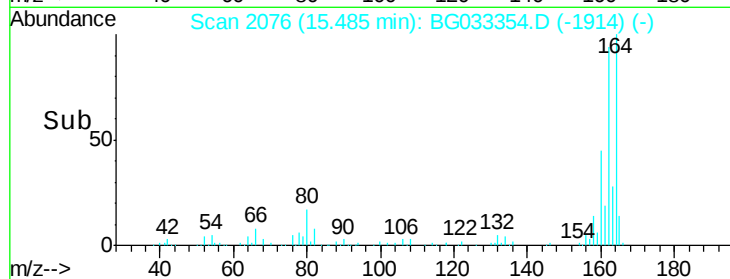
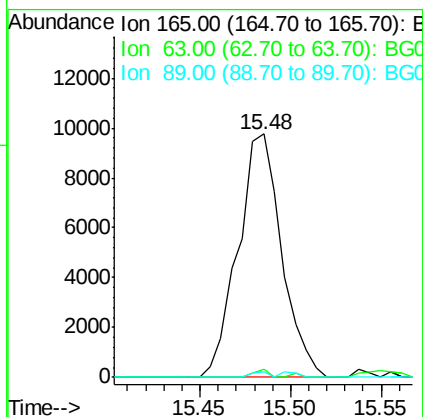
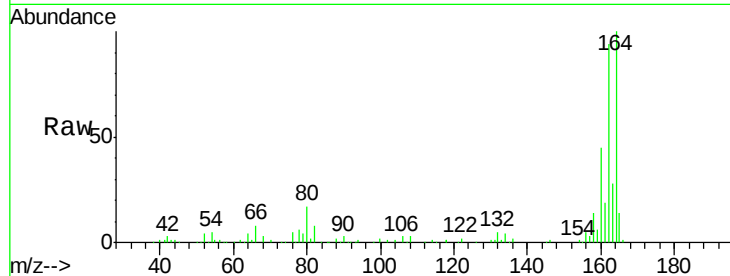




#50
 2,6-Dinitrotoluene
 Concen: 7.399 ng
 RT: 15.48 min Scan# 2076
 Delta R.T. 0.42 min
 Lab File: BG033354.D
 Acq: 27 Mar 2018 6:32

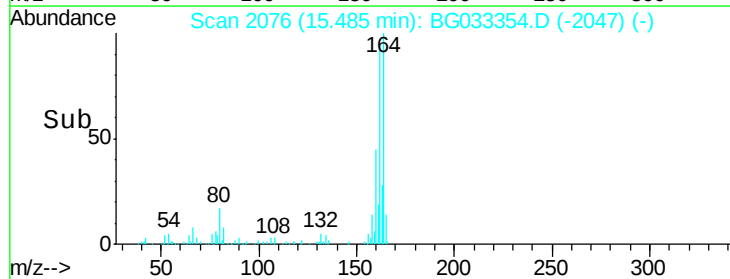
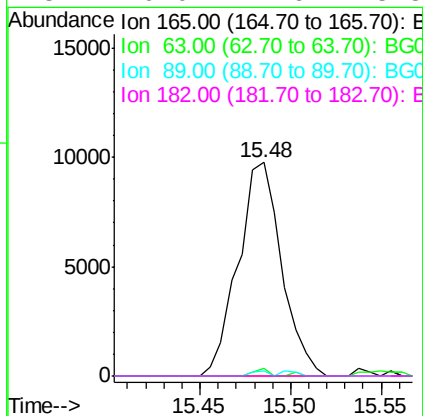
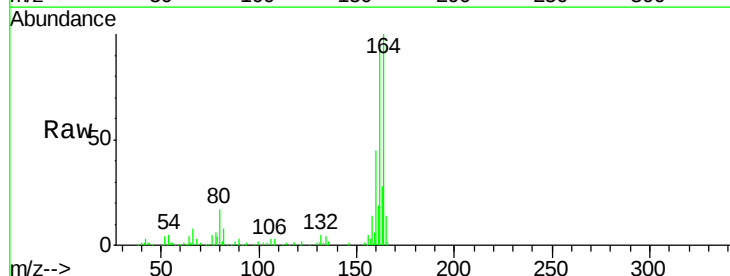
Instrument :
 BNA_G
 ClientSampleId :

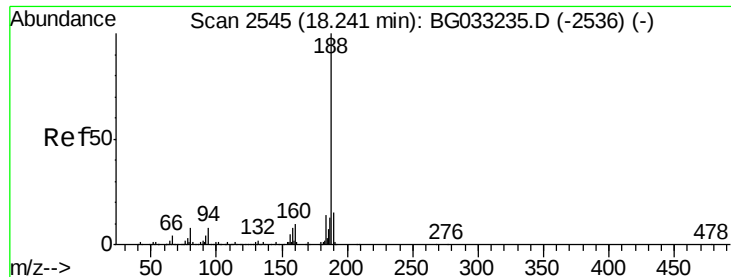
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.5	52.7	79.1#
89	2.5	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.025 ng
 RT: 15.48 min Scan# 2076
 Delta R.T. -0.36 min
 Lab File: BG033354.D
 Acq: 27 Mar 2018 6:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.5	42.0	63.0#
89	2.5	66.9	100.3#
182	0.0	2.6	3.8#

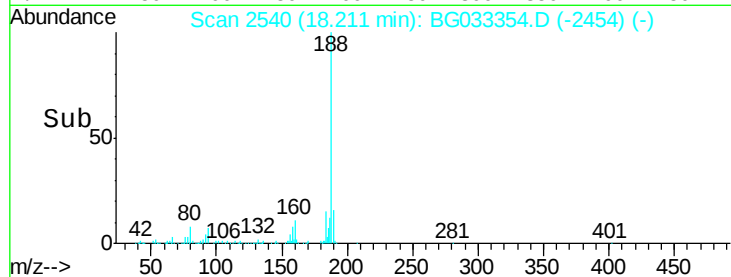
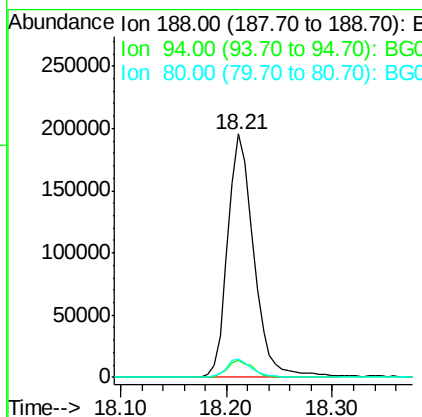
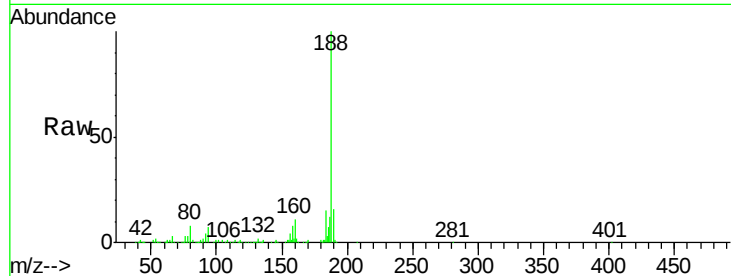




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2540
Delta R.T. -0.03 min
Lab File: BG033354.D
Acq: 27 Mar 2018 6:32

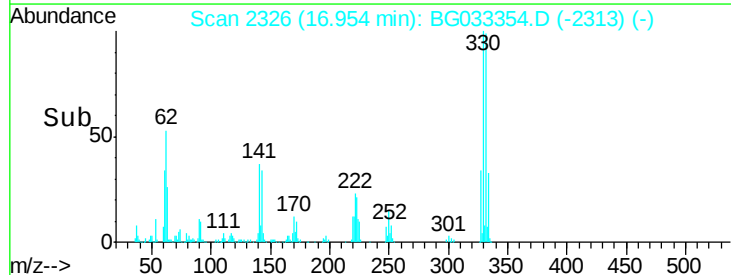
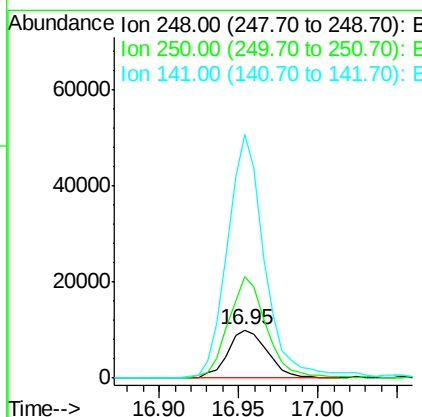
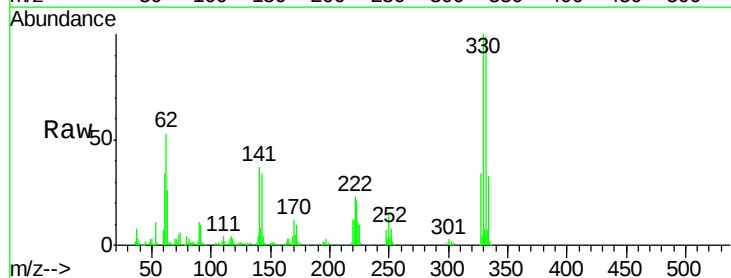
Instrument :
BNA_G
ClientSampleId :

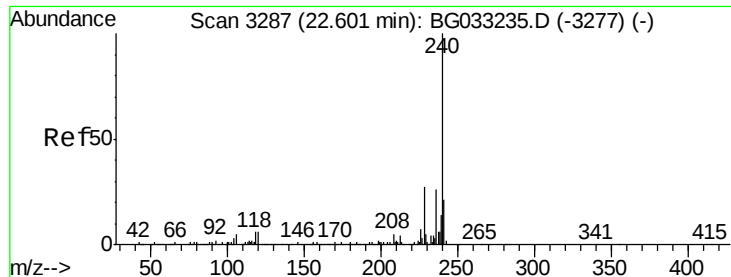
Tot Ion:188 Resp: 335033
Ion Ratio Lower Upper
188 100
94 7.1 6.9 10.3
80 7.5 7.7 11.5#



#66
4-Bromophenyl-phenylether
Concen: 4.409 ng
RT: 16.95 min Scan# 2326
Delta R.T. -0.46 min
Lab File: BG033354.D
Acq: 27 Mar 2018 6:32

Tgt Ion:248 Resp: 17348
Ion Ratio Lower Upper
248 100
250 211.6 77.1 115.7#
141 507.8 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3280

Delta R.T. -0.04 min

Lab File: BG033354.D

Acq: 27 Mar 2018 6:32

Instrument :

BNA_G

ClientSampled :

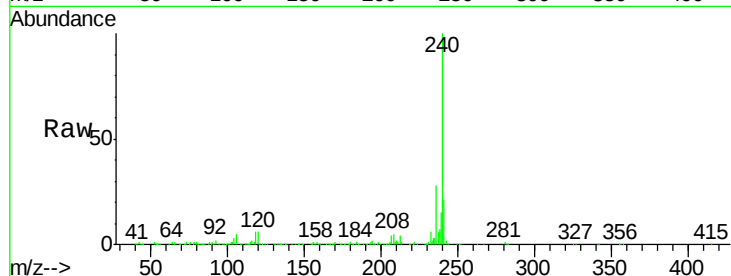
Tot Ion:240 Resp: 362956

Ion Ratio Lower Upper

240 100

120 6.0 6.8 10.2#

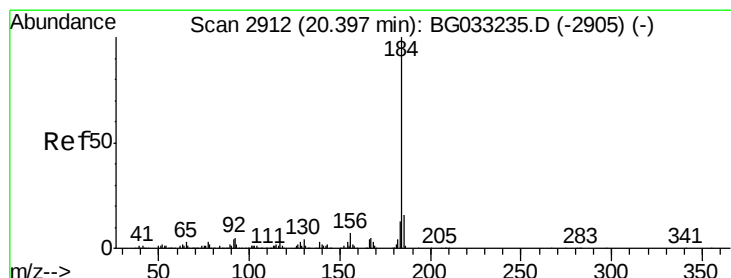
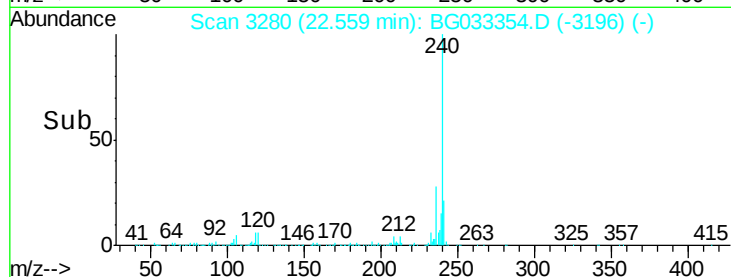
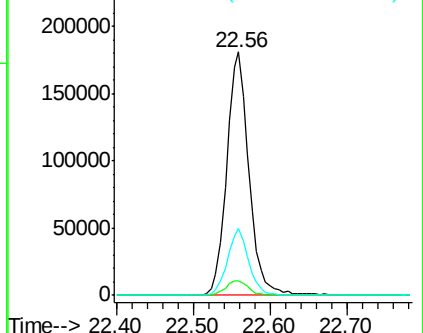
236 27.5 20.9 31.3



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: 2.551 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.34 min

Lab File: BG033354.D

Acq: 27 Mar 2018 6:32

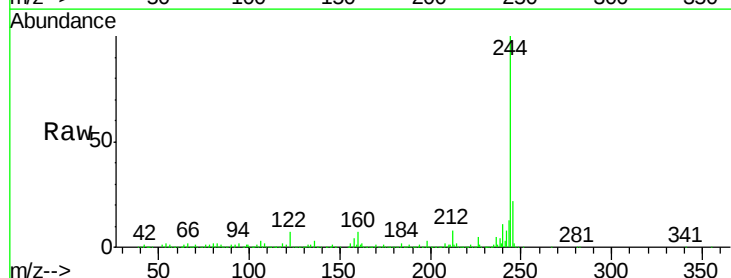
Tgt Ion:184 Resp: 25105

Ion Ratio Lower Upper

184 100

185 17.8 11.1 16.7#

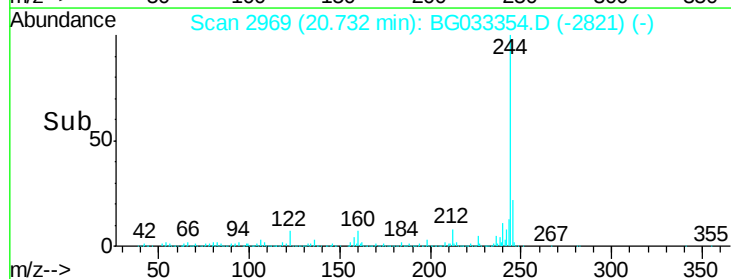
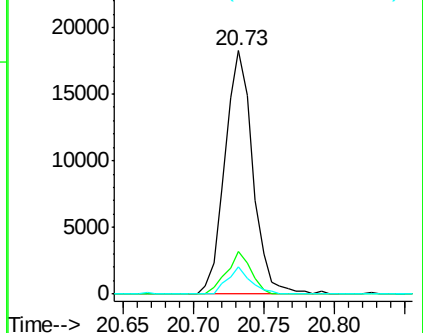
183 11.1 10.6 16.0

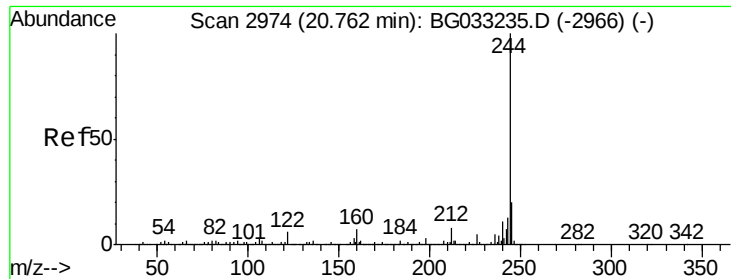


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 87.828 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.03 min

Lab File: BG033354.D

Acq: 27 Mar 2018 6:32

Instrument :

BNA_G

ClientSampleId :

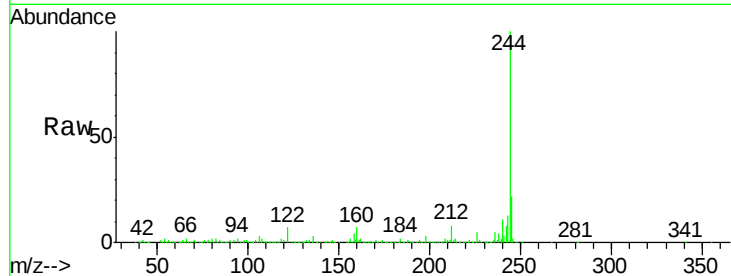
Tot Ion:244 Resp: 1490576

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

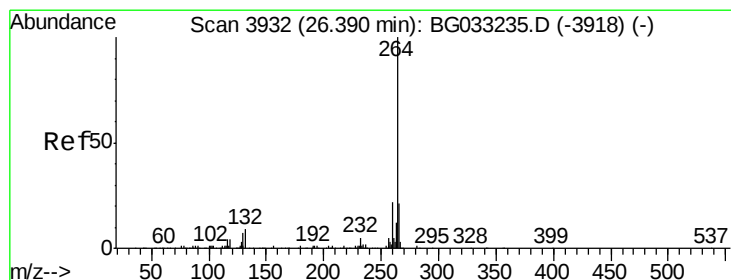
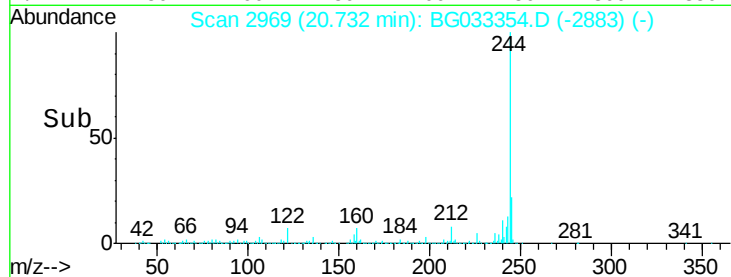
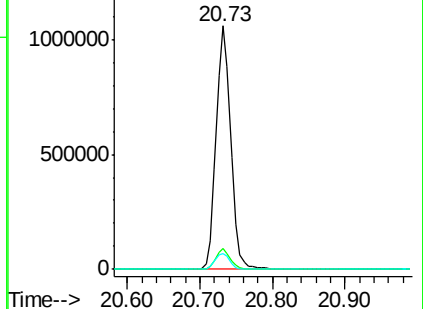
122 6.7 7.0 10.4#



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. -0.07 min

Lab File: BG033354.D

Acq: 27 Mar 2018 6:32

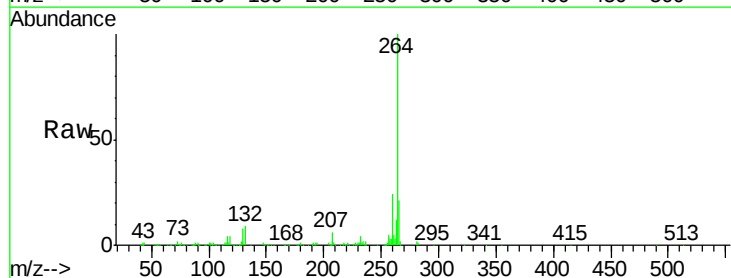
Tgt Ion:264 Resp: 384371

Ion Ratio Lower Upper

264 100

260 24.1 17.4 26.0

265 21.3 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

