

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041018\
 Data File : BG033734.D
 Acq On : 11 Apr 2018 5:39
 Operator : SJ/JU
 Sample : J2302-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 11 06:57:48 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

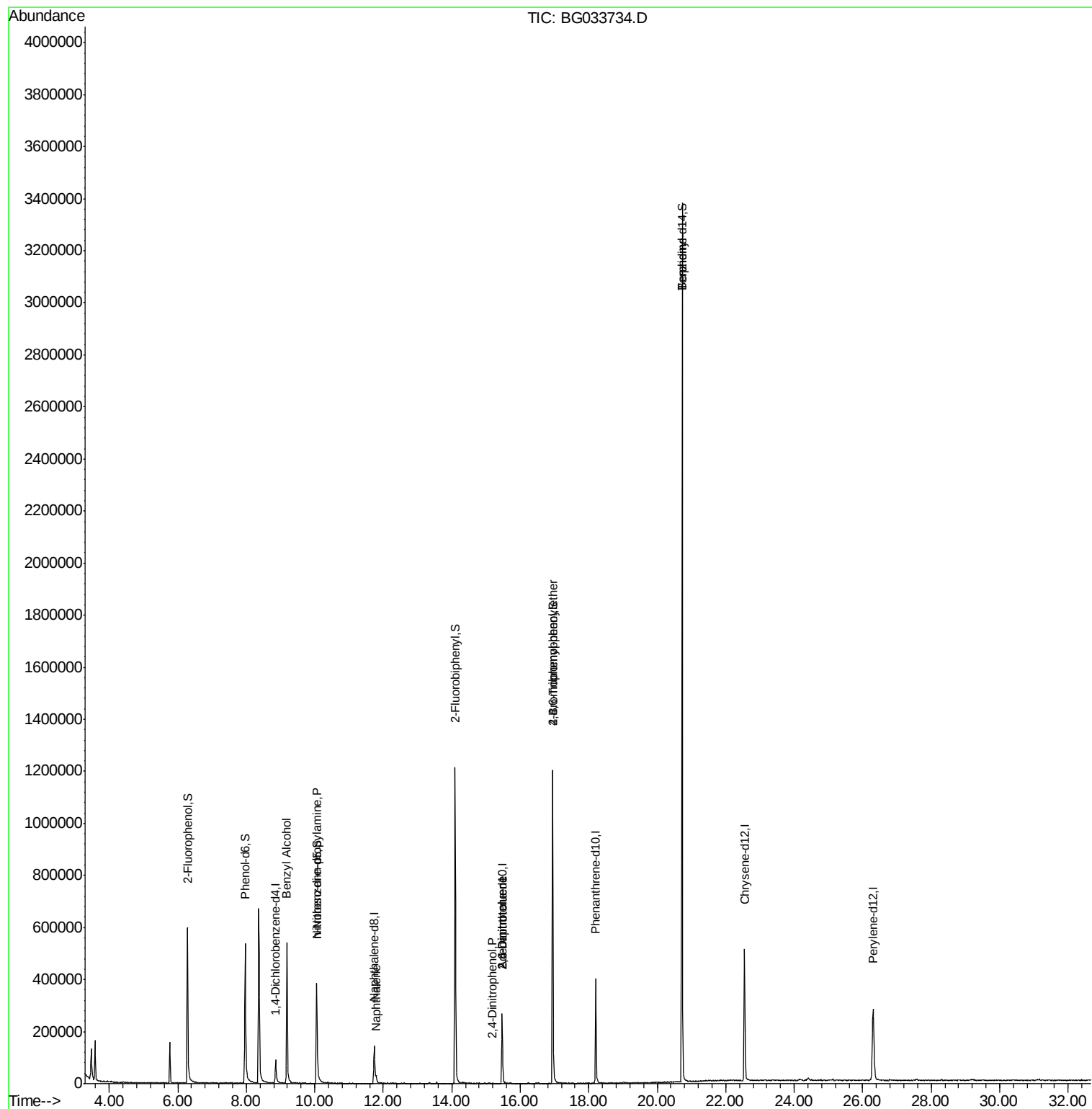
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	33451	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	138800	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	98434	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	297261	20.00	ng	0.00
75) Chrysene-d12	22.55	240	356711	20.00	ng	0.00
86) Perylene-d12	26.30	264	384567	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.28	112	289063	162.04	ng	0.00
7) Phenol-d6	7.97	99	372663	121.58	ng	0.00
23) Nitrobenzene-d5	10.05	82	313968	103.93	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	241534	164.06	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	693360	101.69	ng	0.00
78) Terphenyl-d14	20.73	244	1697745	101.79	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.18	79	5562	2.305	ng	# 34
19) n-Nitroso-di-n-propylamine	10.06	70	40282	17.935	ng	# 78
31) Naphthalene	11.79	128	22874	3.180	ng	# 95
50) 2,6-Dinitrotoluene	15.47	165	12688	7.244	ng	# 20
53) 2,4-Dinitrophenol	15.18	184	59	7.702	ng	# 1
56) 2,4-Dinitrotoluene	15.47	165	12688	4.920	ng	# 17
66) 4-Bromophenyl-phenylether	16.95	248	18065	5.175	ng	# 1
76) Benzidine	20.72	184	28232	2.918	ng	# 92

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

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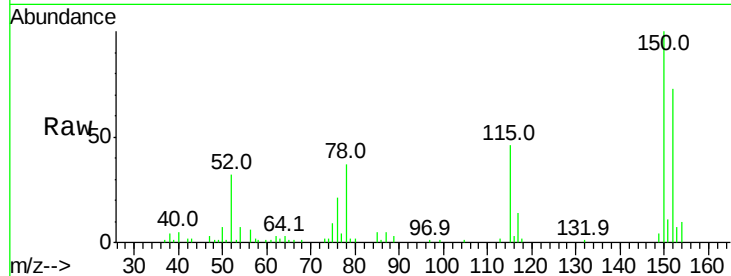


#1

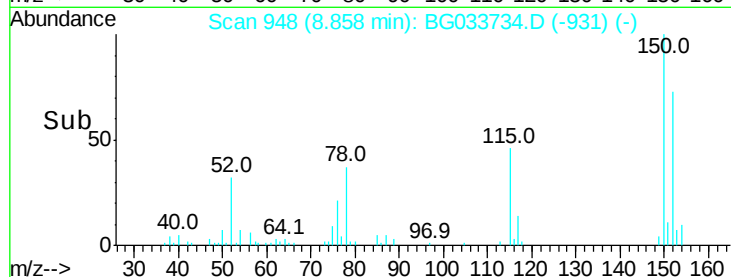
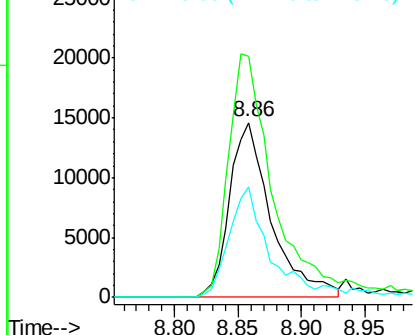
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. 0.00 min
Lab File: BG033734.D
Acq: 11 Apr 2018 5:39

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 33451
Ion Ratio Lower Upper
152 100
150 137.4 126.6 189.8
115 63.3 53.0 79.4



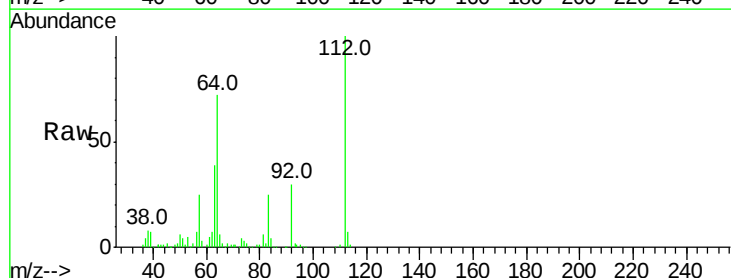
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



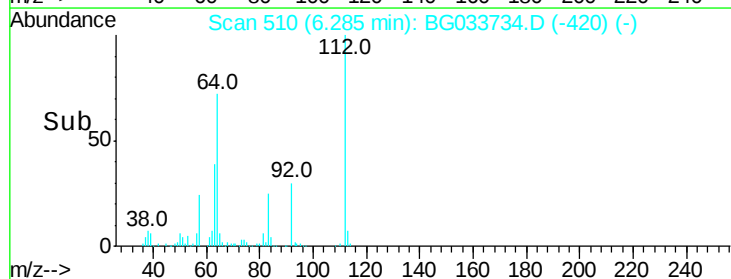
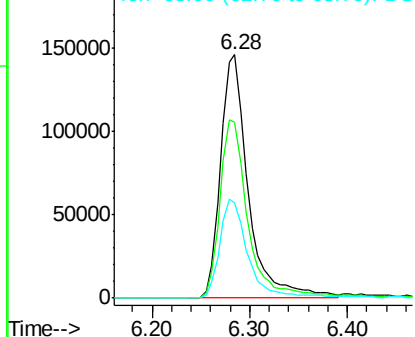
#5

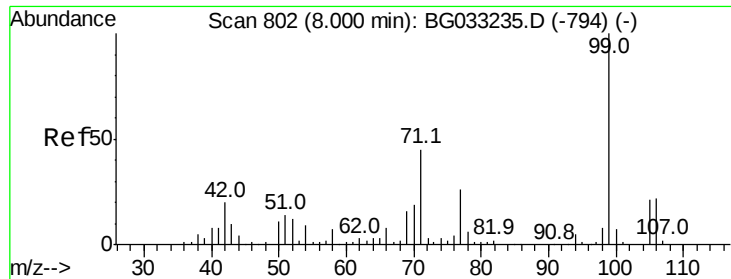
2-Fluorophenol
Concen: 162.036 ng
RT: 6.28 min Scan# 510
Delta R.T. 0.00 min
Lab File: BG033734.D
Acq: 11 Apr 2018 5:39

Tgt Ion:112 Resp: 289063
Ion Ratio Lower Upper
112 100
64 72.2 56.3 84.5
63 38.9 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: 121.580 ng

RT: 7.97 min Scan# 796

Delta R.T. -0.00 min

Lab File: BG033734.D

Acq: 11 Apr 2018 5:39

Instrument :

BNA_G

ClientSampled :

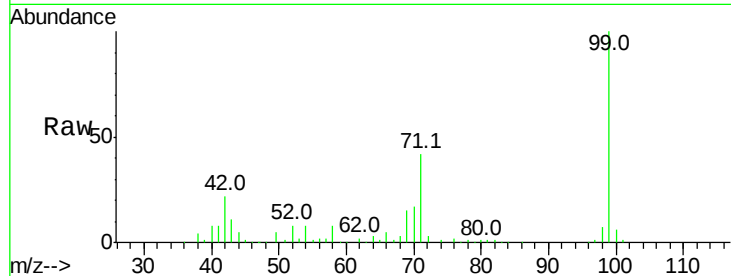
Tot Ion: 99 Resp: 372663

Ion Ratio Lower Upper

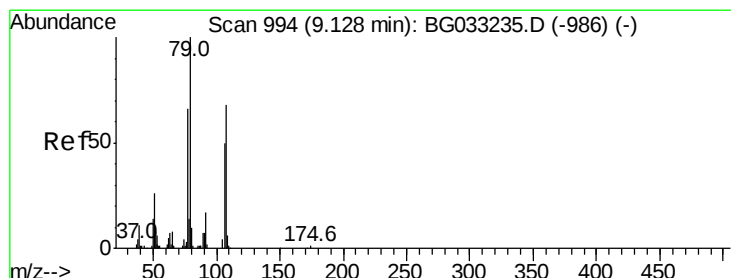
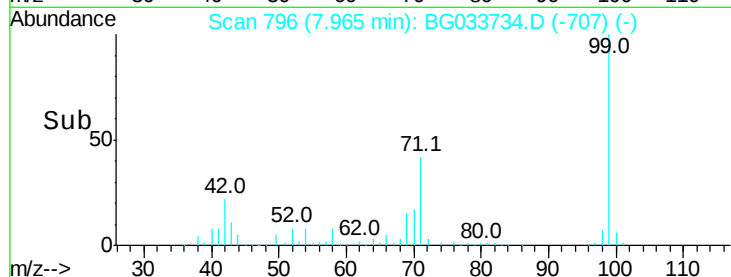
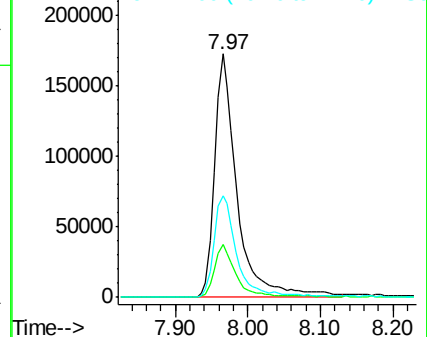
99 100

42 21.7 14.1 21.1#

71 41.9 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: 2.305 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.09 min

Lab File: BG033734.D

Acq: 11 Apr 2018 5:39

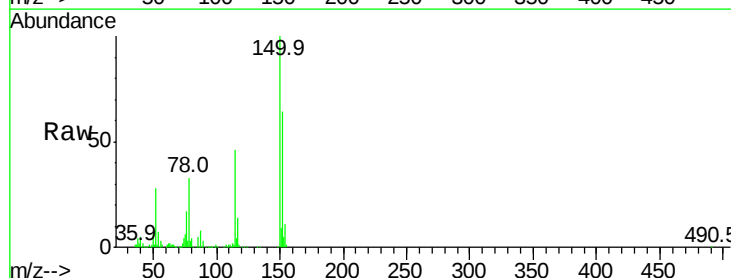
Tgt Ion: 79 Resp: 5562

Ion Ratio Lower Upper

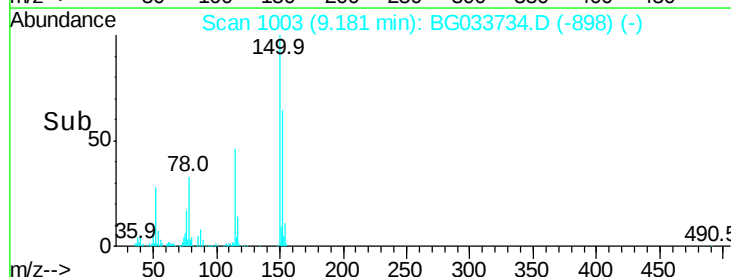
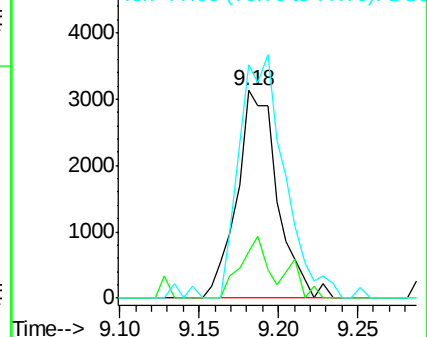
79 100

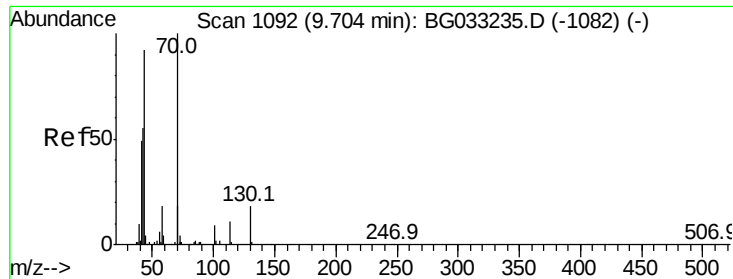
108 22.4 57.2 85.8#

77 112.4 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

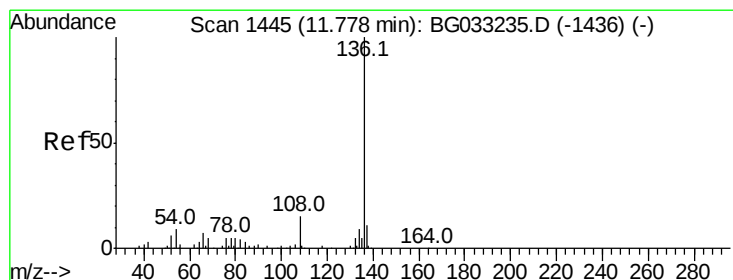
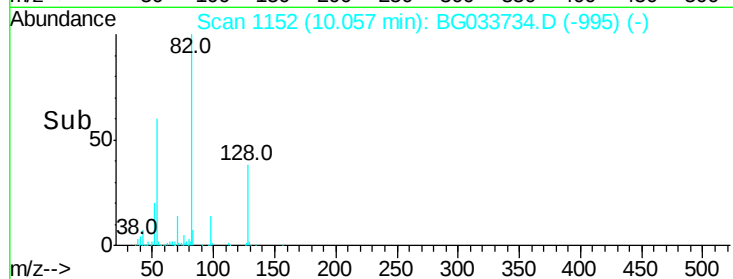
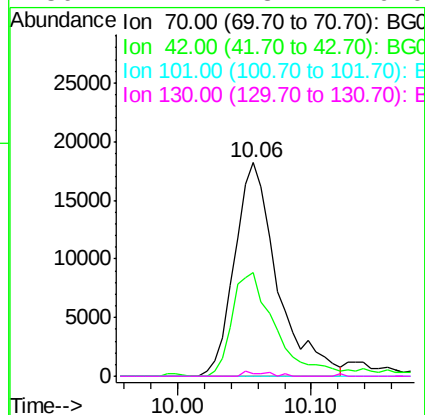
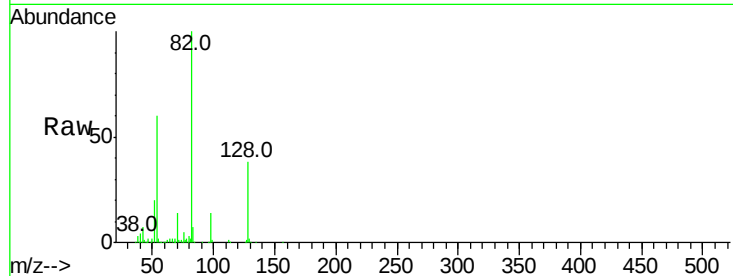




#19
 n-Nitroso-di-n-propylamine
 Concen: 17.935 ng
 RT: 10.06 min Scan# 1152
 Delta R.T. 0.39 min
 Lab File: BG033734.D
 Acq: 11 Apr 2018 5:39

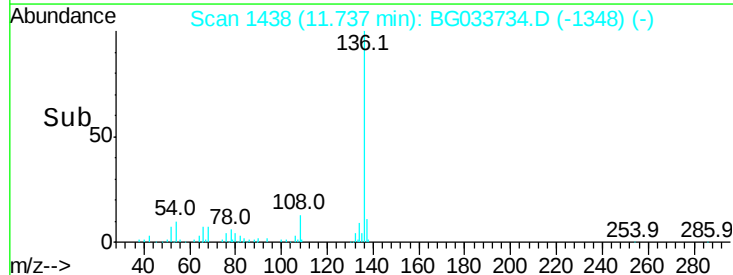
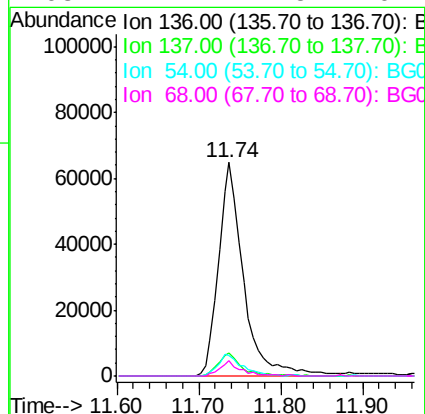
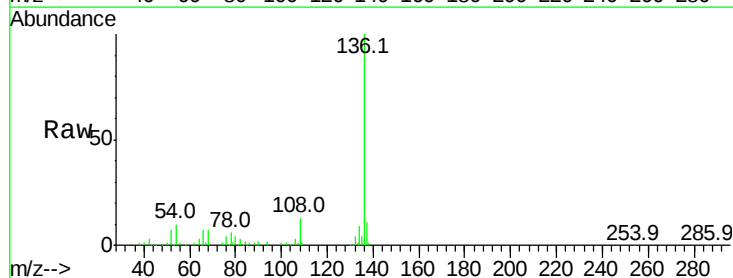
Instrument :
 BNA_G
 ClientSampleId :

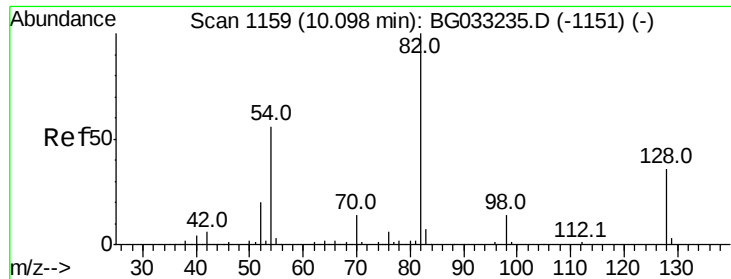
Tot Ion: 70 Resp: 40282
 Ion Ratio Lower Upper
 70 100
 42 48.4 49.1 73.7#
 101 0.0 8.5 12.7#
 130 1.4 13.4 20.0#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 11.74 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BG033734.D
 Acq: 11 Apr 2018 5:39

Tgt Ion: 136 Resp: 138800
 Ion Ratio Lower Upper
 136 100
 137 10.8 9.2 13.8
 54 9.7 10.3 15.5#
 68 7.1 4.5 6.7#





#23

Nitrobenzene-d5

Concen: 103.926 ng

RT: 10.05 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BG033734.D

Acq: 11 Apr 2018 5:39

Instrument :

BNA_G

ClientSampleId :

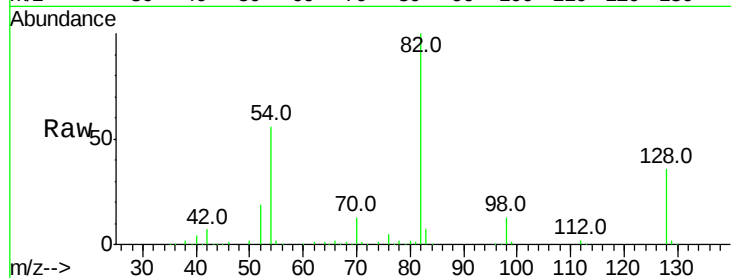
Tot Ion: 82 Resp: 313968

Ion Ratio Lower Upper

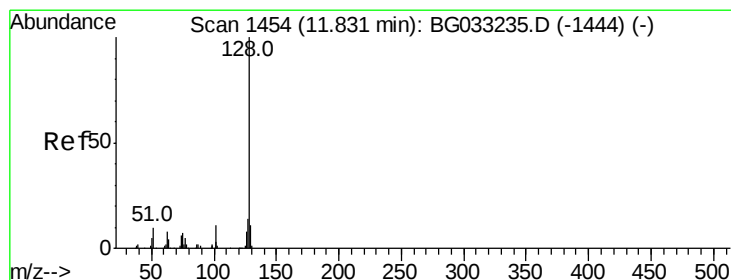
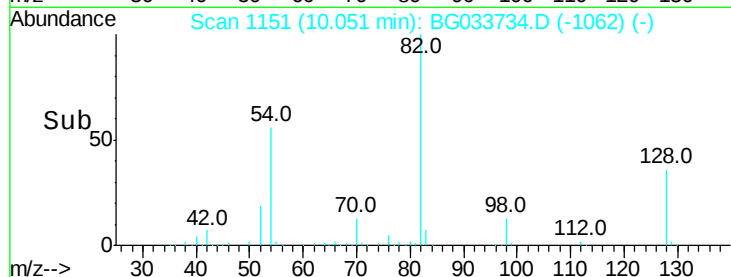
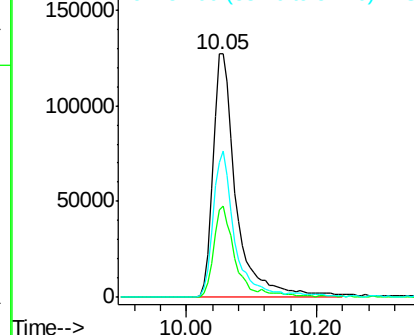
82 100

128 36.0 29.7 44.5

54 55.6 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



#31

Naphthalene

Concen: 3.180 ng

RT: 11.79 min Scan# 1447

Delta R.T. 0.00 min

Lab File: BG033734.D

Acq: 11 Apr 2018 5:39

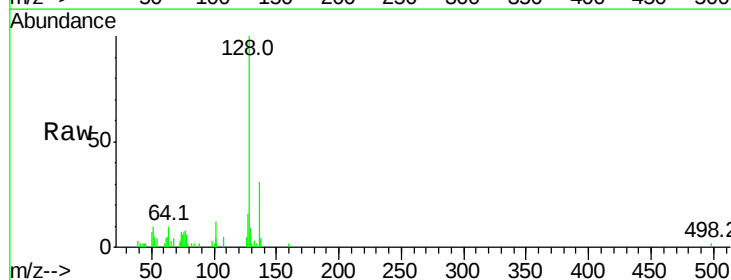
Tgt Ion: 128 Resp: 22874

Ion Ratio Lower Upper

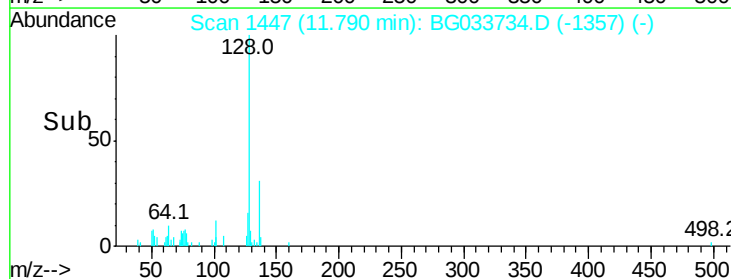
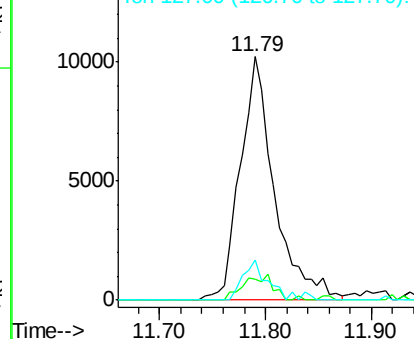
128 100

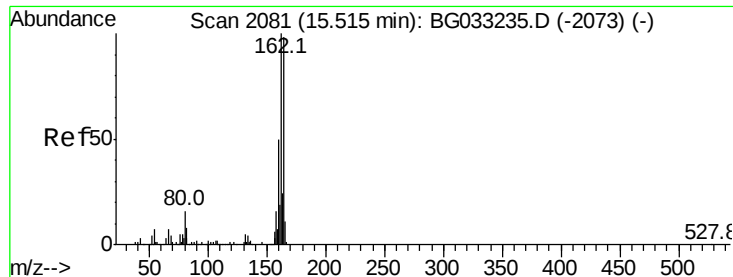
129 8.7 8.6 12.8

127 16.4 11.6 17.4



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.47 min Scan# 2074

Delta R.T. 0.00 min

Lab File: BG033734.D

Acq: 11 Apr 2018 5:39

Instrument :

BNA_G

ClientSampleId :

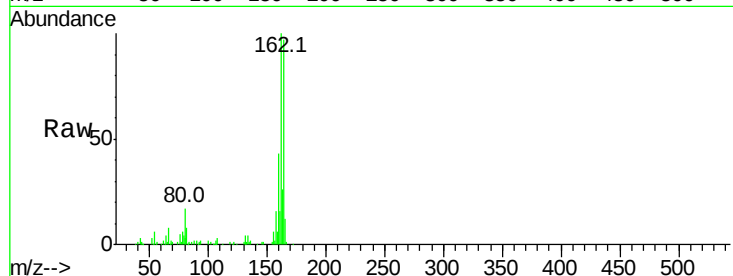
Tot Ion:164 Resp: 98434

Ion Ratio Lower Upper

164 100

162 102.8 78.8 118.2

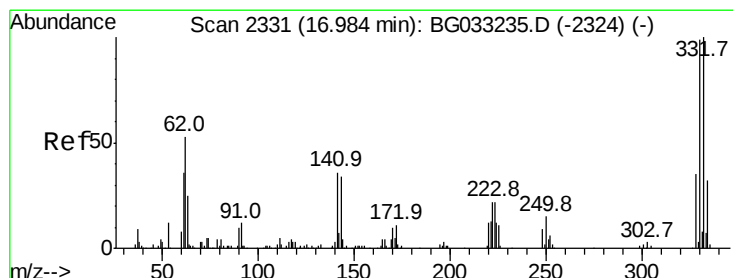
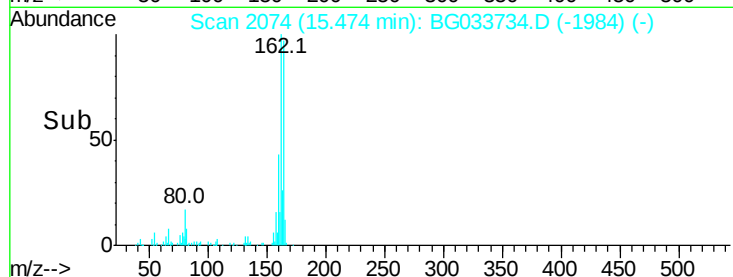
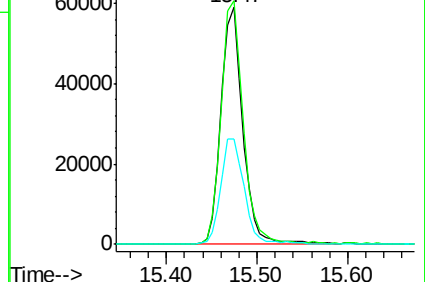
160 44.4 35.4 53.0



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: 164.064 ng

RT: 16.95 min Scan# 2325

Delta R.T. 0.00 min

Lab File: BG033734.D

Acq: 11 Apr 2018 5:39

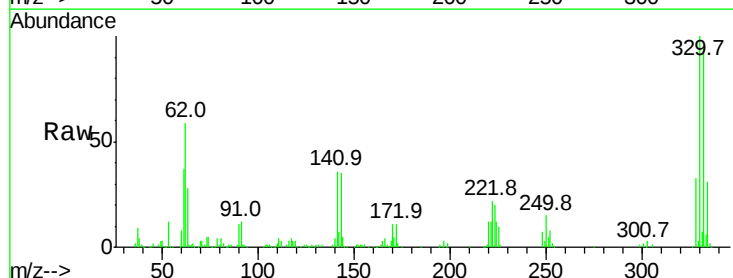
Tgt Ion:330 Resp: 241534

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

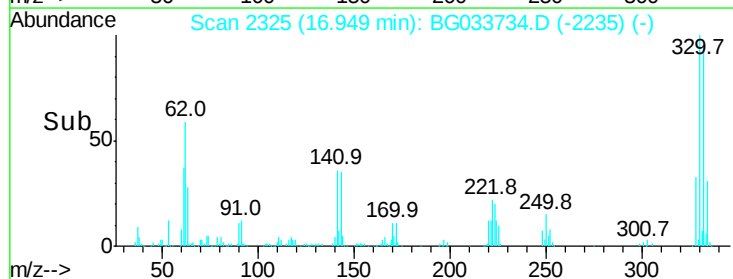
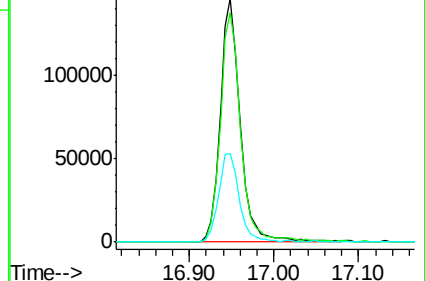
141 37.6 25.2 37.8

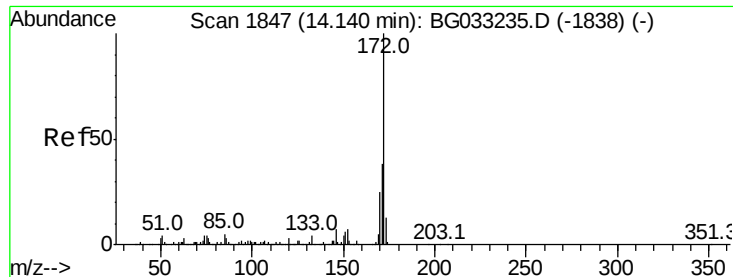


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 101.688 ng

RT: 14.10 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BG033734.D

Acq: 11 Apr 2018 5:39

Instrument :

BNA_G

ClientSampled :

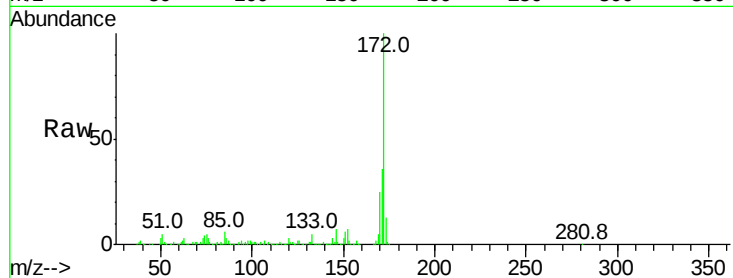
Tot Ion:172 Resp: 693360

Ion Ratio Lower Upper

172 100

171 36.4 30.0 45.0

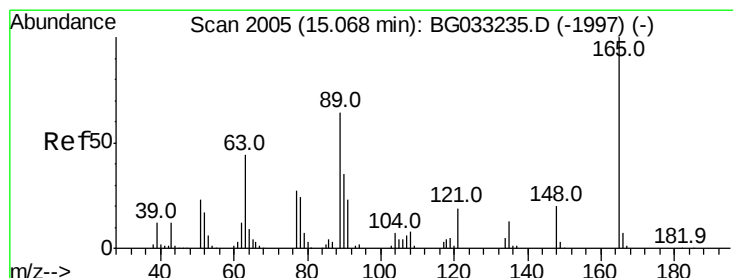
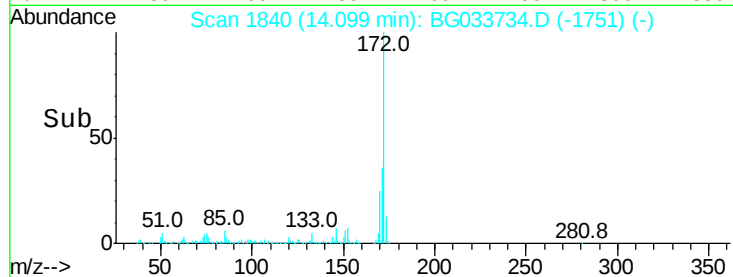
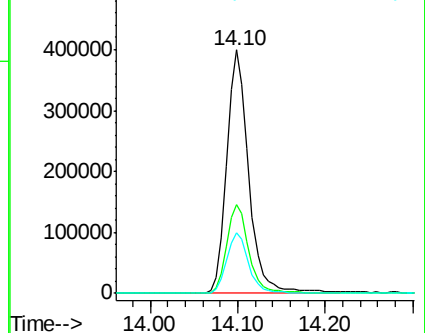
170 25.1 19.5 29.3



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: 7.244 ng

RT: 15.47 min Scan# 2073

Delta R.T. 0.44 min

Lab File: BG033734.D

Acq: 11 Apr 2018 5:39

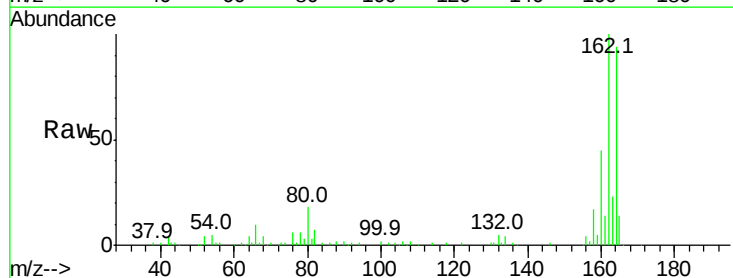
Tgt Ion:165 Resp: 12688

Ion Ratio Lower Upper

165 100

63 2.0 52.7 79.1#

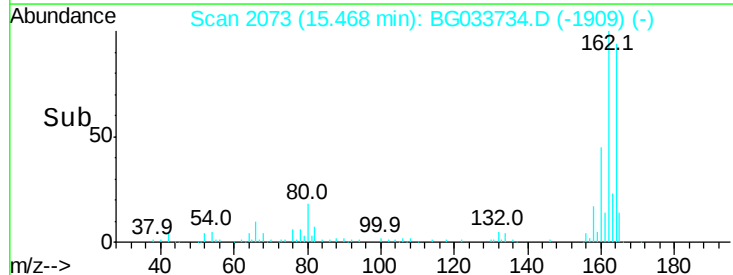
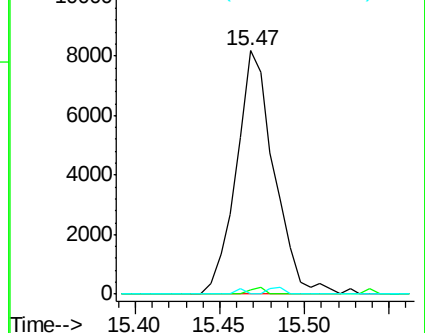
89 0.0 49.2 73.8#

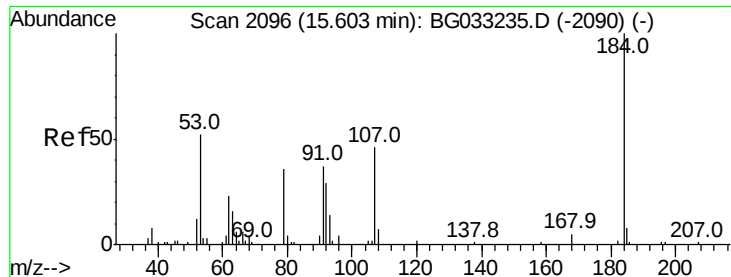


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

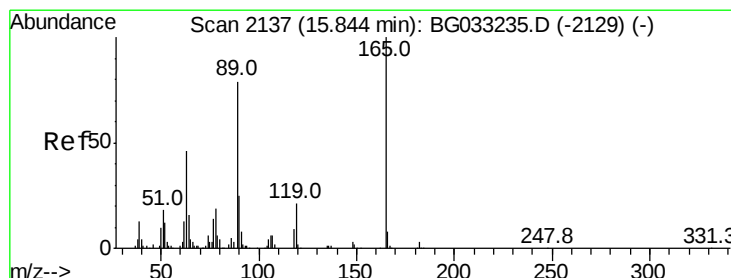
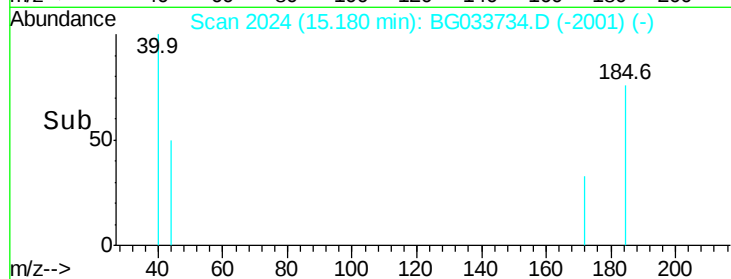
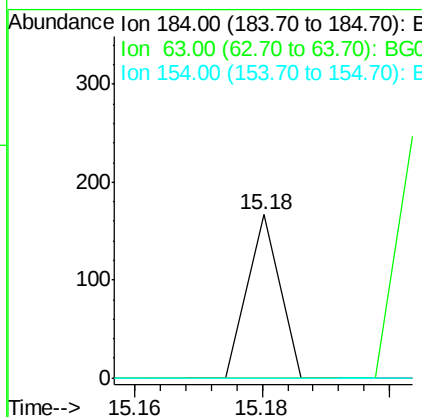
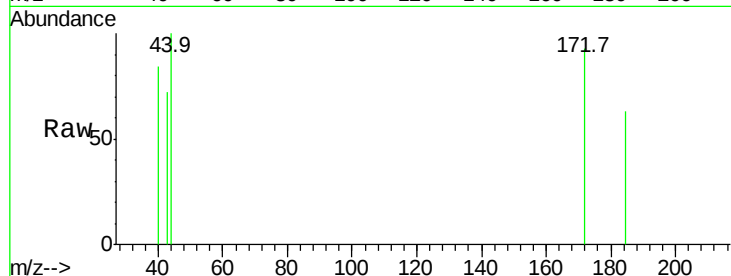




#53
 2,4-Dinitrophenol
 Concen: 7.702 ng
 RT: 15.18 min Scan# 2024
 Delta R.T. -0.39 min
 Lab File: BG033734.D
 Acq: 11 Apr 2018 5:39

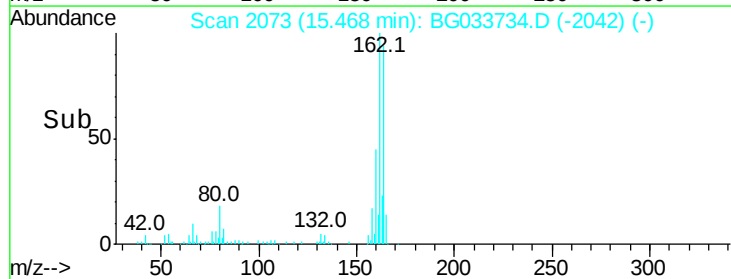
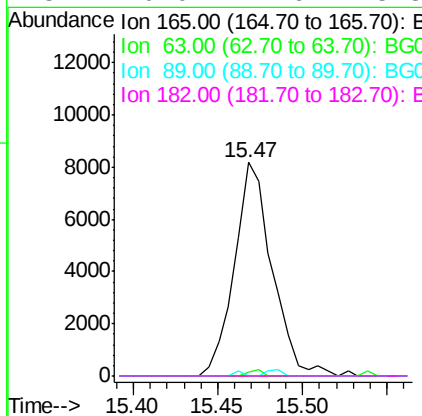
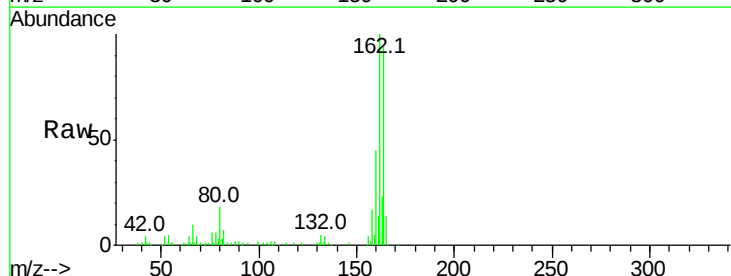
Instrument :
 BNA_G
 ClientSampleId :

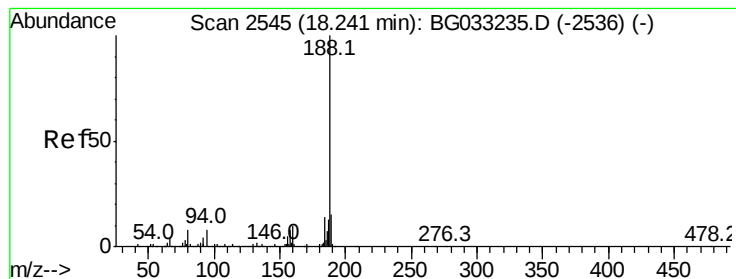
Tot Ion:184 Resp: 59
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.920 ng
 RT: 15.47 min Scan# 2073
 Delta R.T. -0.35 min
 Lab File: BG033734.D
 Acq: 11 Apr 2018 5:39

Tgt Ion:165 Resp: 12688
 Ion Ratio Lower Upper
 165 100
 63 2.0 42.0 63.0#
 89 0.0 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: BG033734.D

Acq: 11 Apr 2018 5:39

Instrument :

BNA_G

ClientSampled :

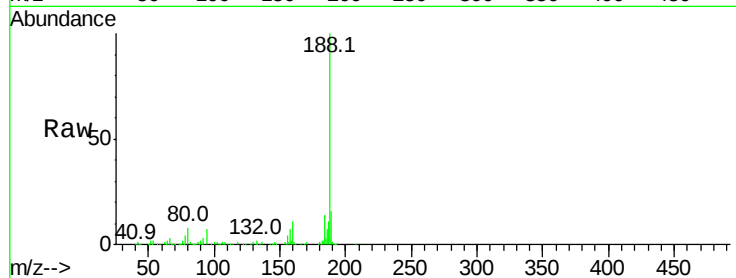
Tot Ion:188 Resp: 297261

Ion Ratio Lower Upper

188 100

94 6.7 6.9 10.3#

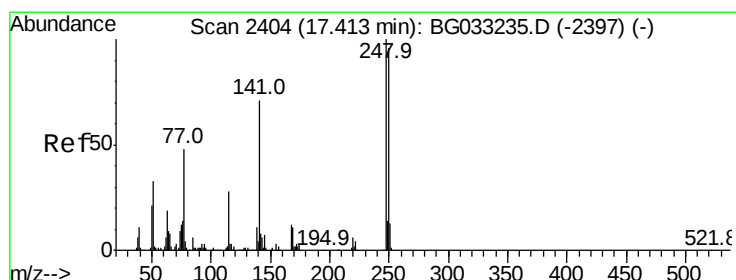
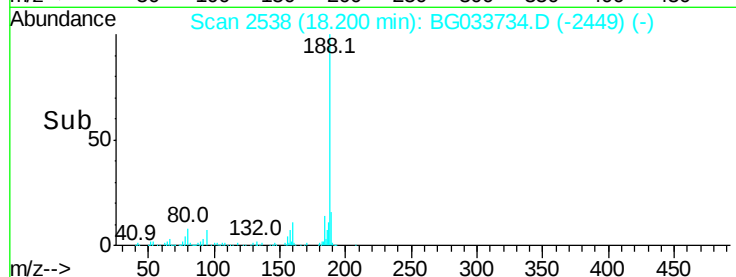
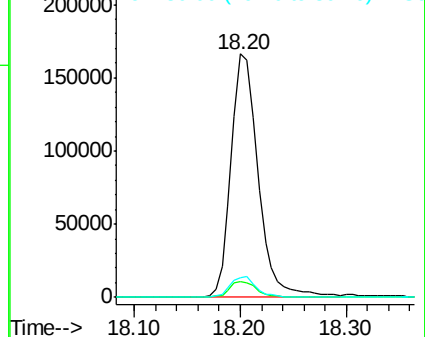
80 8.0 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 5.175 ng

RT: 16.95 min Scan# 2325

Delta R.T. -0.43 min

Lab File: BG033734.D

Acq: 11 Apr 2018 5:39

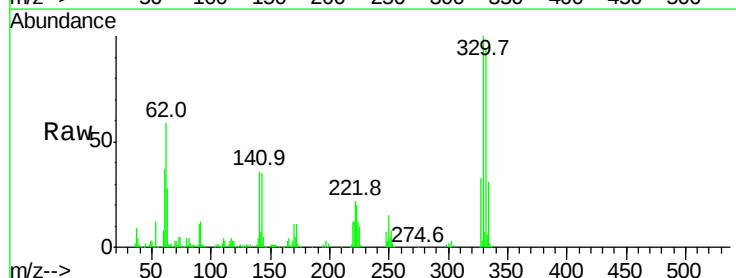
Tgt Ion:248 Resp: 18065

Ion Ratio Lower Upper

248 100

250 201.7 77.1 115.7#

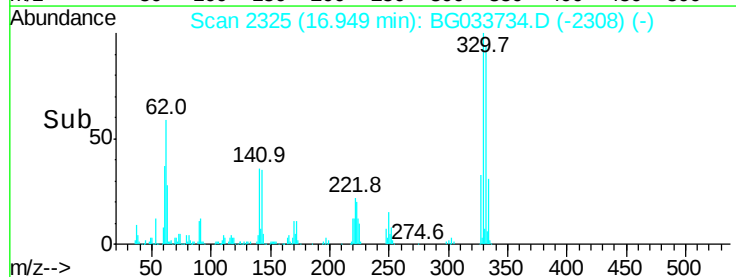
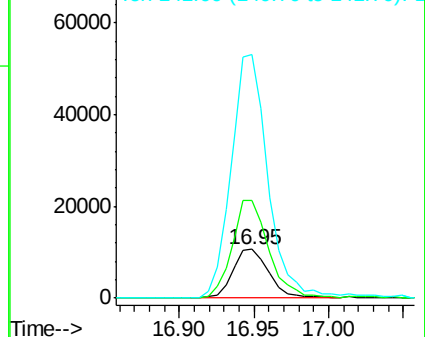
141 501.6 50.8 76.2#

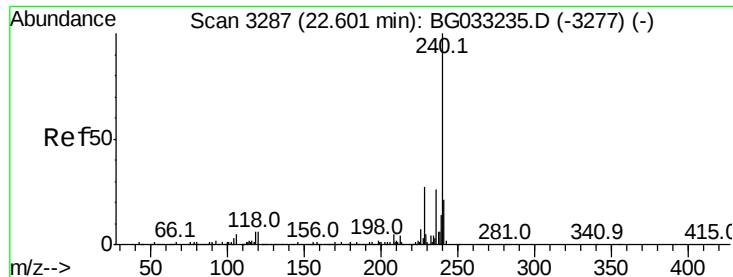


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.55 min Scan# 3278

Delta R.T. -0.00 min

Lab File: BG033734.D

Acq: 11 Apr 2018 5:39

Instrument :

BNA_G

ClientSampleId :

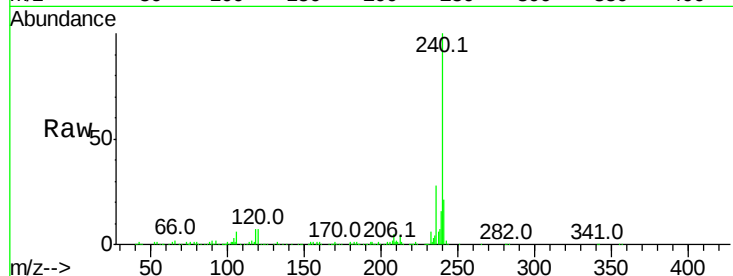
Tot Ion:240 Resp: 356711

Ion Ratio Lower Upper

240 100

120 6.7 6.8 10.2#

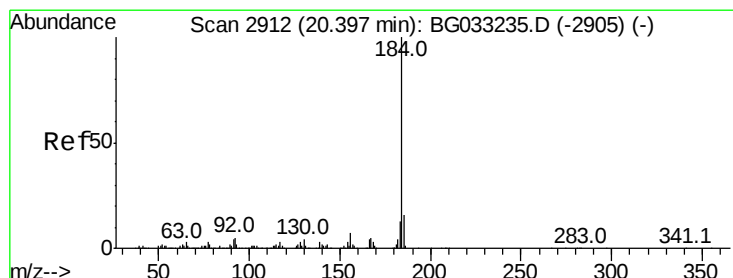
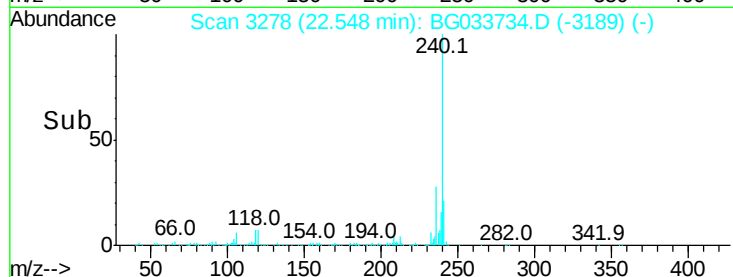
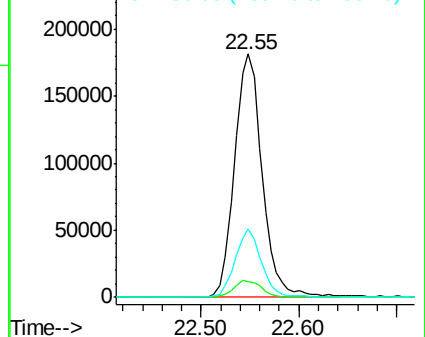
236 27.9 20.9 31.3



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: 2.918 ng

RT: 20.72 min Scan# 2967

Delta R.T. 0.36 min

Lab File: BG033734.D

Acq: 11 Apr 2018 5:39

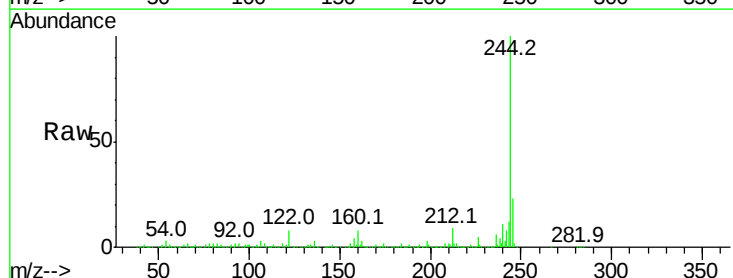
Tgt Ion:184 Resp: 28232

Ion Ratio Lower Upper

184 100

185 12.7 11.1 16.7

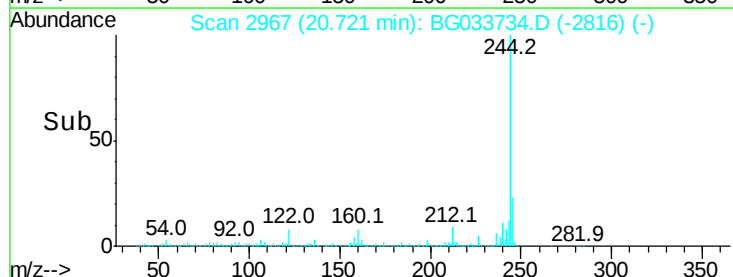
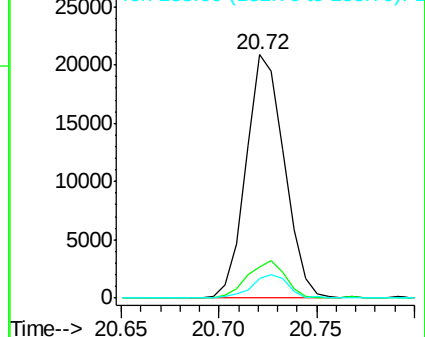
183 8.1 10.6 16.0#

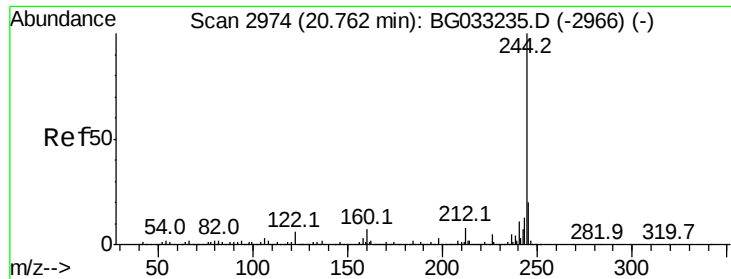


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 101.786 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033734.D

Acq: 11 Apr 2018 5:39

Instrument :

BNA_G

ClientSampleId :

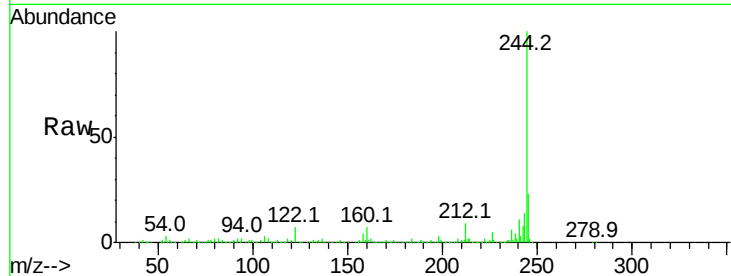
Tot Ion:244 Resp: 1697745

Ion Ratio Lower Upper

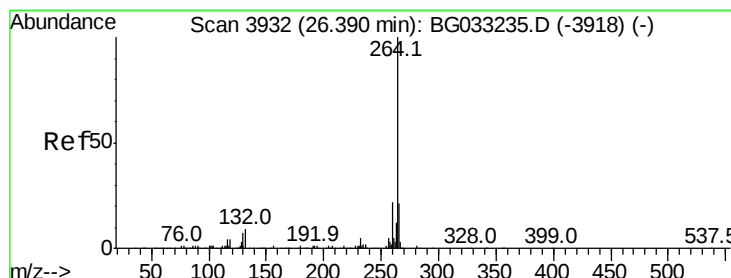
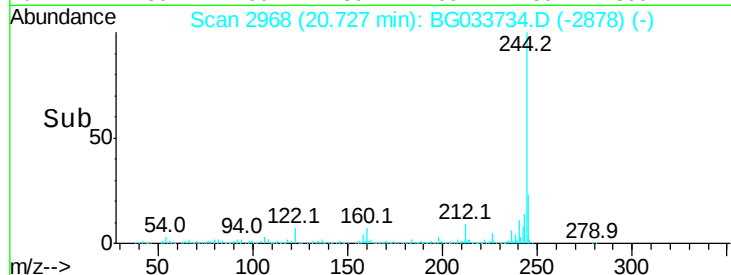
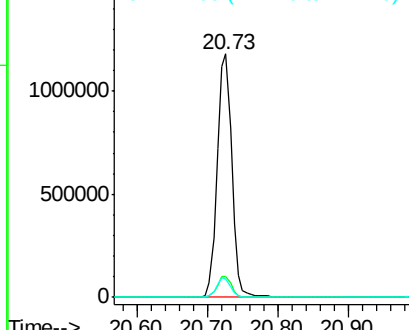
244 100

212 8.8 5.8 8.8#

122 7.3 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: 26.30 min Scan# 3917

Delta R.T. -0.00 min

Lab File: BG033734.D

Acq: 11 Apr 2018 5:39

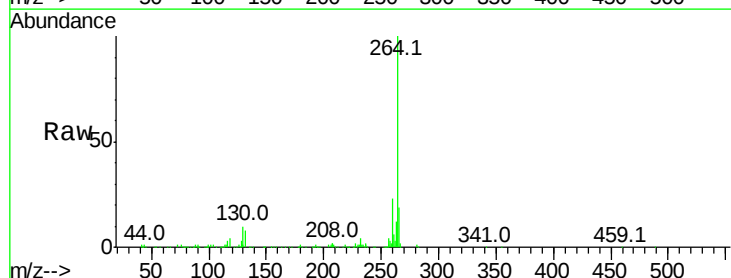
Tgt Ion:264 Resp: 384567

Ion Ratio Lower Upper

264 100

260 22.8 17.4 26.0

265 19.2 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

