

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG040218\
 Data File : BG033484.D
 Acq On : 2 Apr 2018 13:08
 Operator : SJ/JU
 Sample : J2098-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 03 03:57:49 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

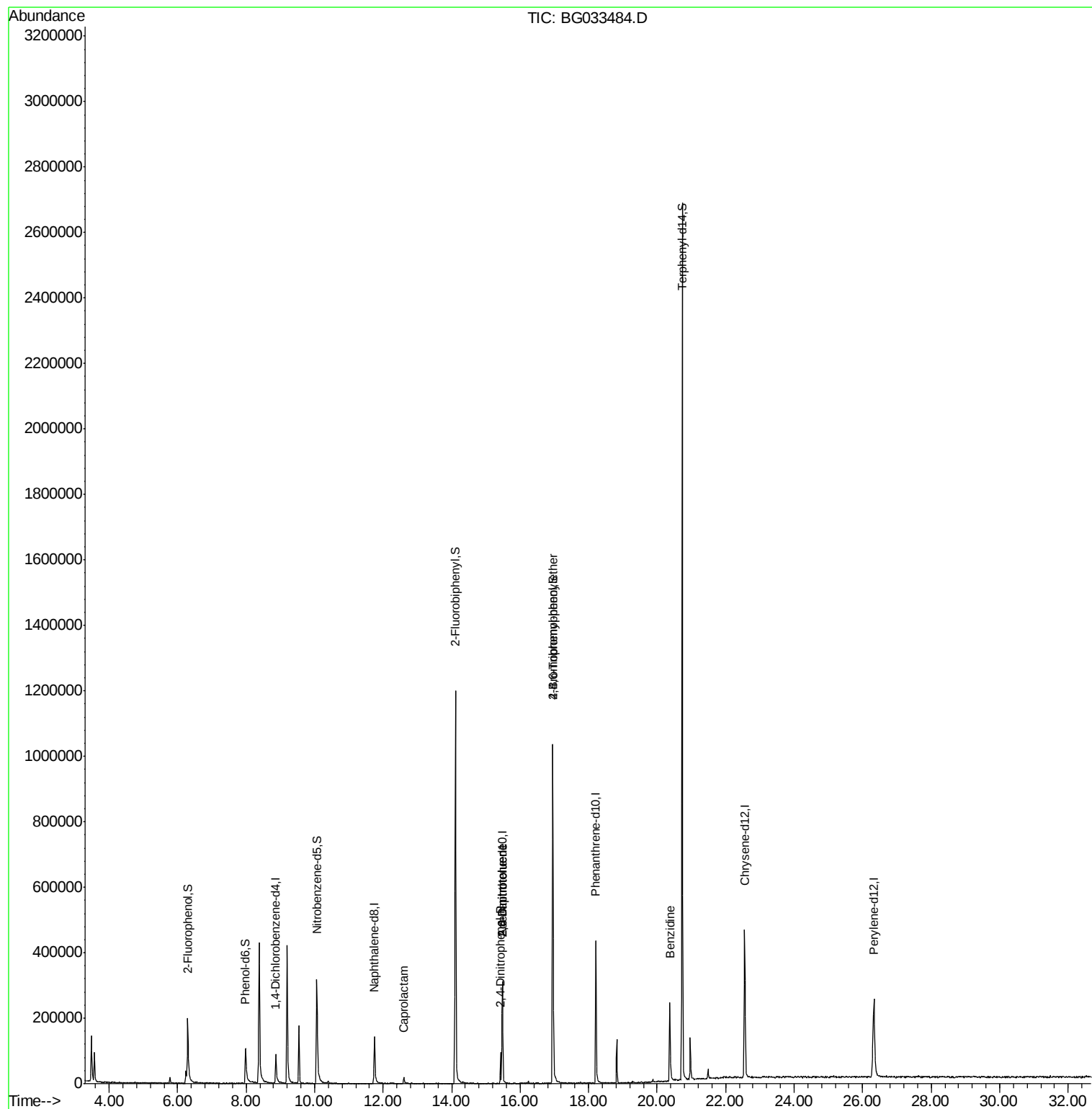
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	33749	20.00	ng	-0.01
21) Naphthalene-d8	11.75	136	147917	20.00	ng	-0.01
38) Acenaphthene-d10	15.48	164	117816	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	323705	20.00	ng	0.00
75) Chrysene-d12	22.56	240	333329	20.00	ng	0.00
86) Perylene-d12	26.32	264	348763	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	108690	60.39	ng	0.00
7) Phenol-d6	7.99	99	103883	33.59	ng	0.00
23) Nitrobenzene-d5	10.07	82	263098	81.72	ng	-0.01
41) 2,4,6-Tribromophenol	16.96	330	219084	124.33	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	695428	85.21	ng	0.00
78) Terphenyl-d14	20.73	244	1338944	85.91	ng	0.00
Target Compounds						
35) Caprolactam	12.60	113	3621	3.965	ng	# 85
50) 2,6-Dinitrotoluene	15.48	165	16578	7.907	ng	# 18
53) 2,4-Dinitrophenol	15.42	184	61	7.694	ng	# 1
56) 2,4-Dinitrotoluene	15.48	165	16578	5.370	ng	# 16
66) 4-Bromophenyl-phenylether	16.95	248	17053	4.486	ng	# 1
76) Benzidine	20.37	184	177862	19.676	ng	99

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

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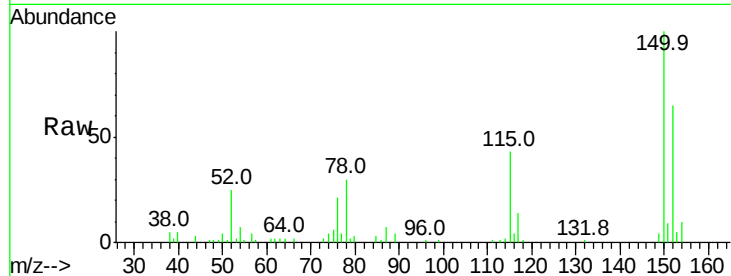


#1

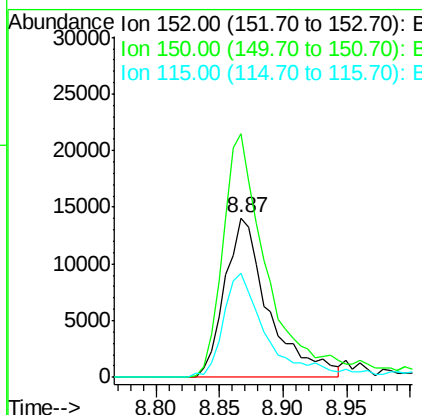
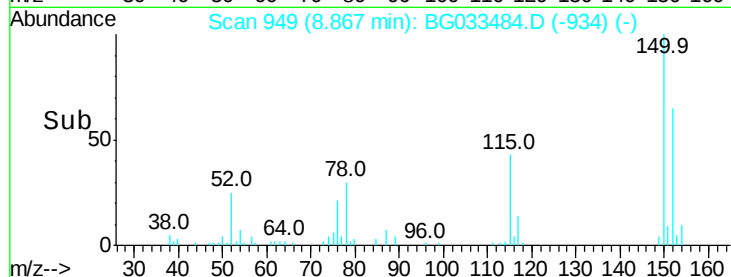
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 949
Delta R.T. -0.01 min
Lab File: BG033484.D
Acq: 2 Apr 2018 13:08

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 33749
Ion Ratio Lower Upper
152 100
150 152.7 126.6 189.8
115 65.0 53.0 79.4



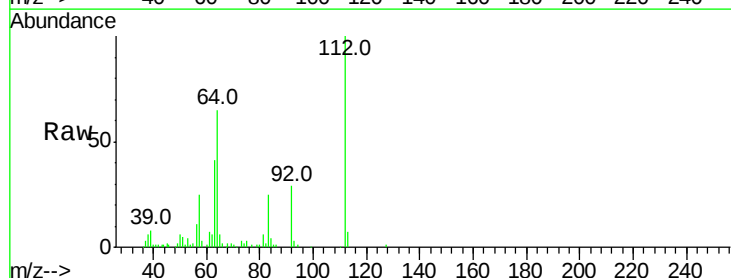
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



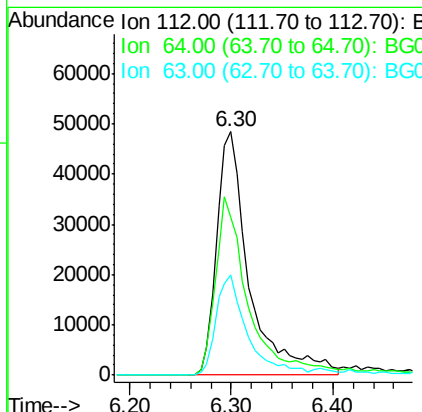
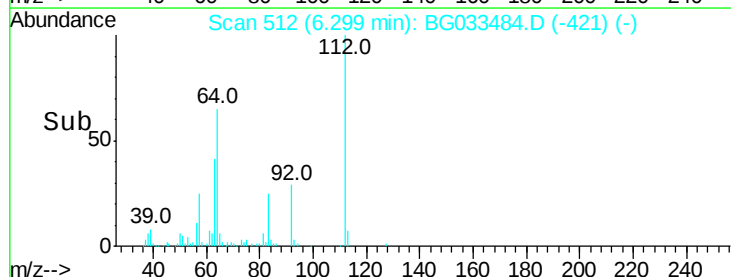
#5

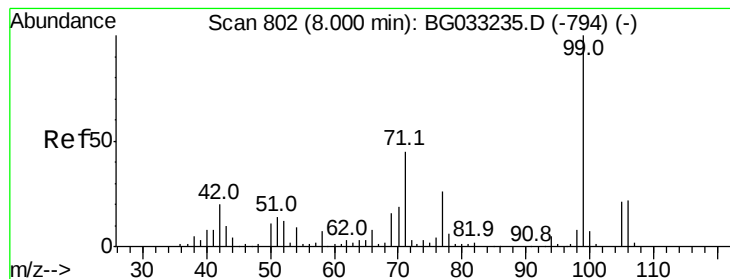
2-Fluorophenol
Concen: 60.389 ng
RT: 6.30 min Scan# 512
Delta R.T. 0.01 min
Lab File: BG033484.D
Acq: 2 Apr 2018 13:08

Tgt Ion:112 Resp: 108690
Ion Ratio Lower Upper
112 100
64 65.1 56.3 84.5
63 41.4 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 33.592 ng

RT: 7.99 min Scan# 799

Delta R.T. 0.01 min

Lab File: BG033484.D

Acq: 2 Apr 2018 13:08

Instrument :

BNA_G

ClientSampleId :

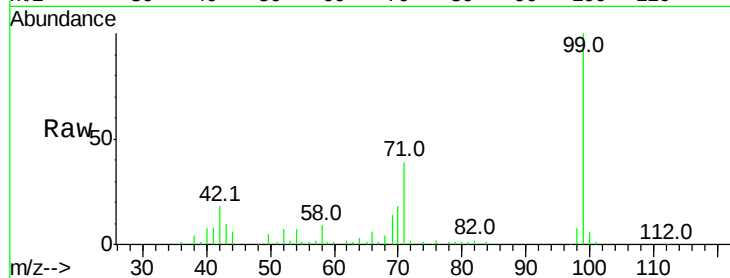
Tot Ion: 99 Resp: 103883

Ion Ratio Lower Upper

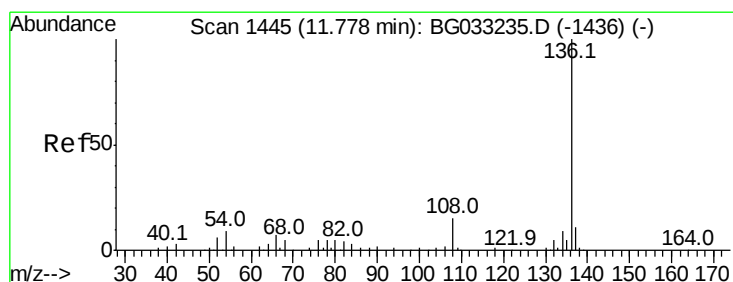
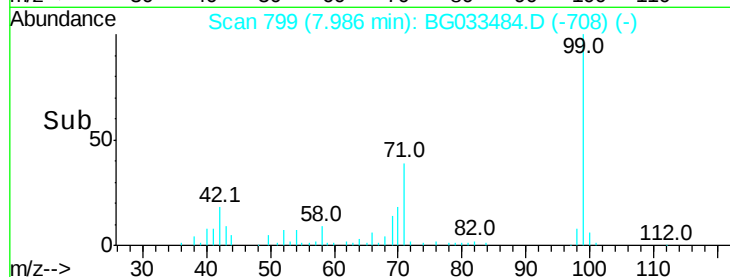
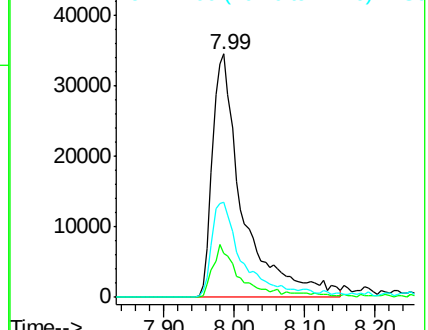
99 100

42 18.1 14.1 21.1

71 38.9 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.75 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BG033484.D

Acq: 2 Apr 2018 13:08

Tgt Ion: 136 Resp: 147917

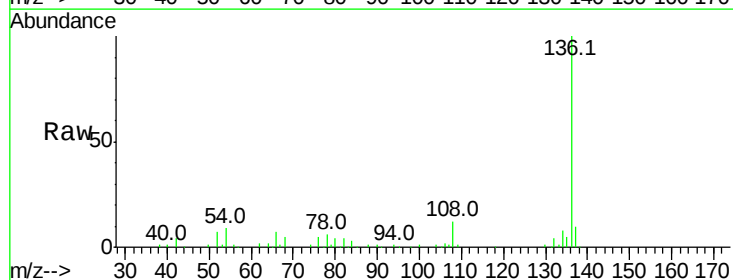
Ion Ratio Lower Upper

136 100

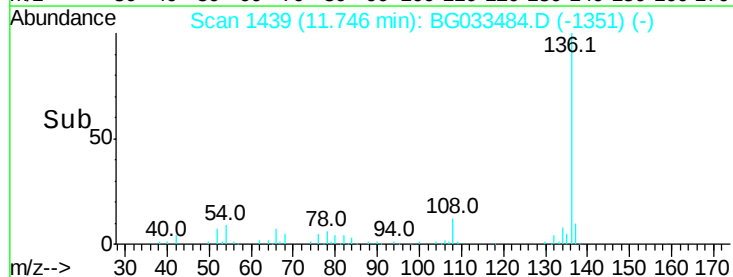
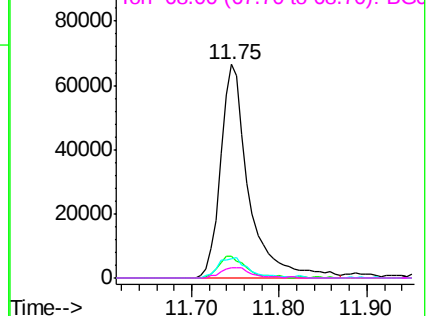
137 10.2 9.2 13.8

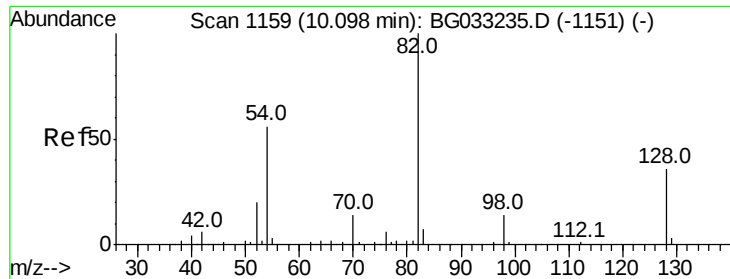
54 9.0 10.3 15.5#

68 4.6 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: 81.720 ng

RT: 10.07 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BG033484.D

Acq: 2 Apr 2018 13:08

Instrument :

BNA_G

ClientSampleId :

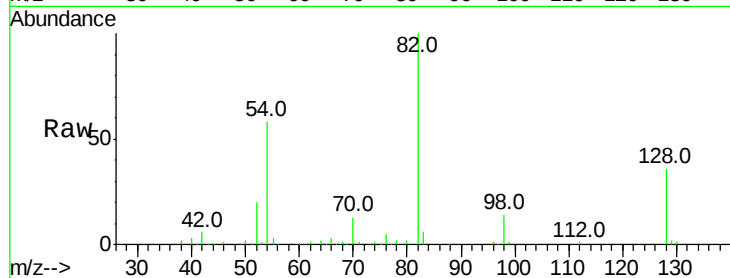
Tot Ion: 82 Resp: 263098

Ion Ratio Lower Upper

82 100

128 36.5 29.7 44.5

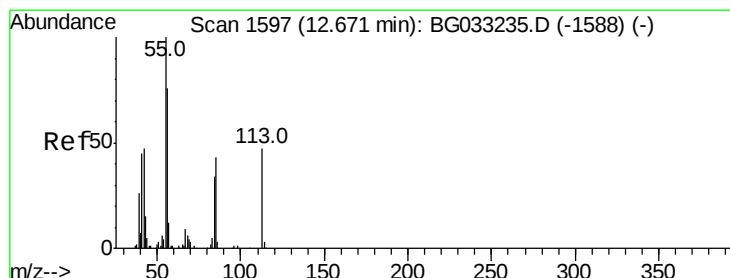
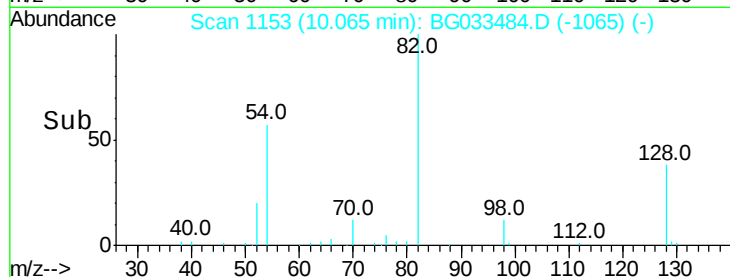
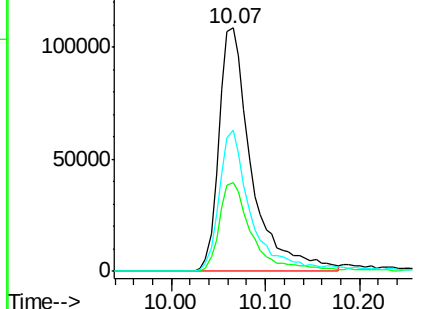
54 57.9 43.1 64.7



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



#35

Caprolactam

Concen: 3.965 ng

RT: 12.60 min Scan# 1585

Delta R.T. -0.04 min

Lab File: BG033484.D

Acq: 2 Apr 2018 13:08

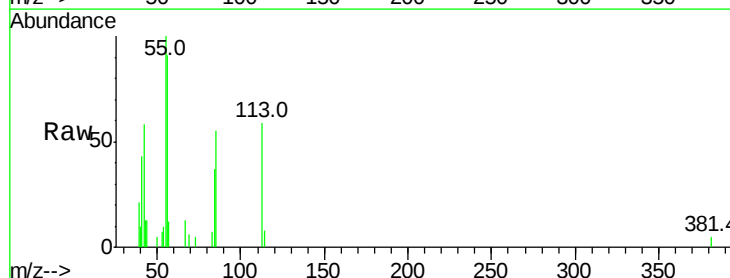
Tgt Ion: 113 Resp: 3621

Ion Ratio Lower Upper

113 100

55 168.5 186.9 226.9#

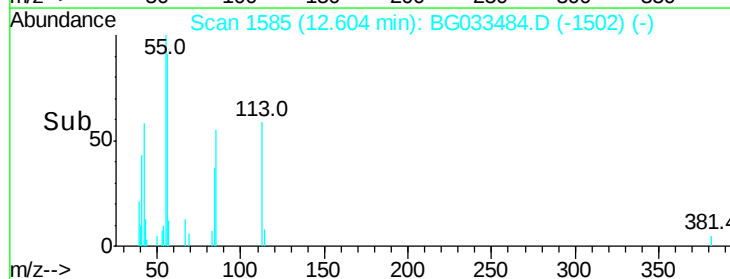
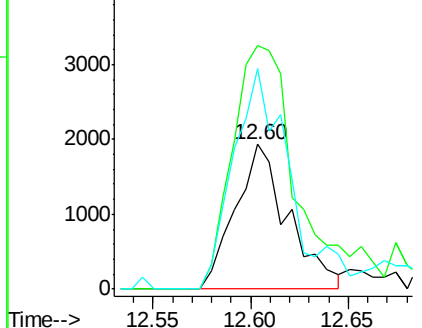
56 152.6 130.9 170.9

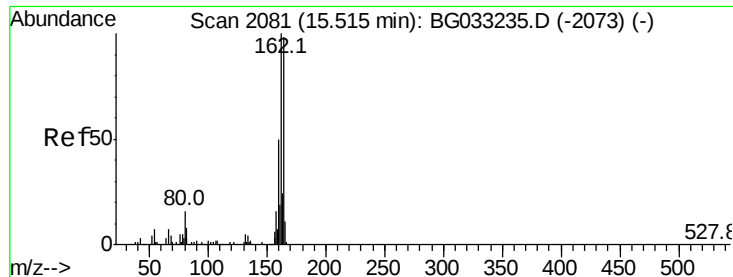


Abundance Ion 113.00 (112.70 to 113.70): BGC

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.48 min Scan# 2075

Delta R.T. -0.01 min

Lab File: BG033484.D

Acq: 2 Apr 2018 13:08

Instrument :

BNA_G

ClientSampleId :

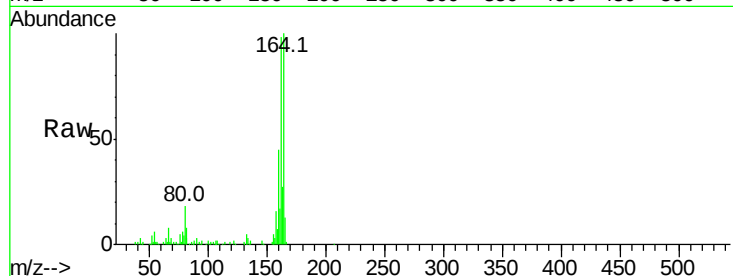
Tot Ion:164 Resp: 117816

Ion Ratio Lower Upper

164 100

162 98.0 78.8 118.2

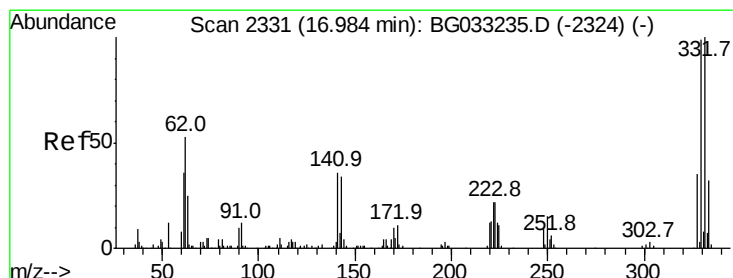
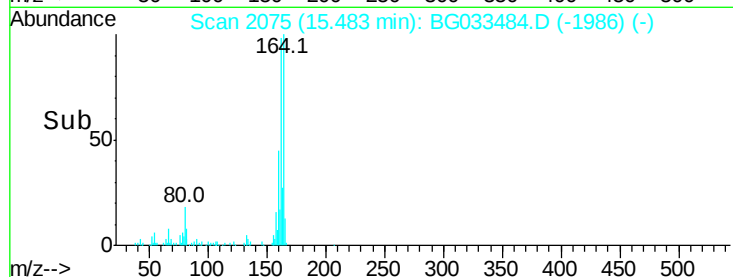
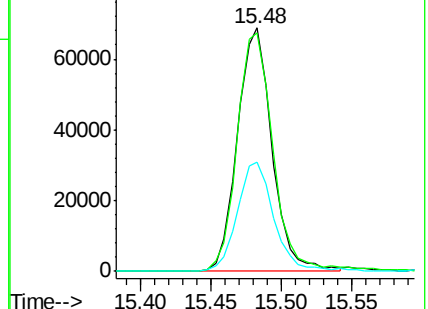
160 45.0 35.4 53.0



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: 124.333 ng

RT: 16.96 min Scan# 2326

Delta R.T. 0.00 min

Lab File: BG033484.D

Acq: 2 Apr 2018 13:08

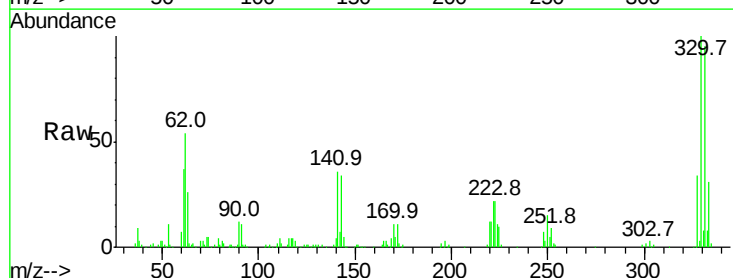
Tgt Ion:330 Resp: 219084

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

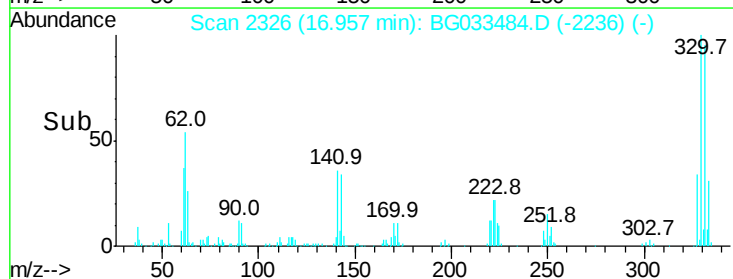
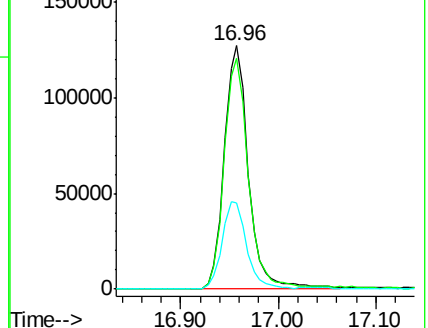
141 36.4 25.2 37.8

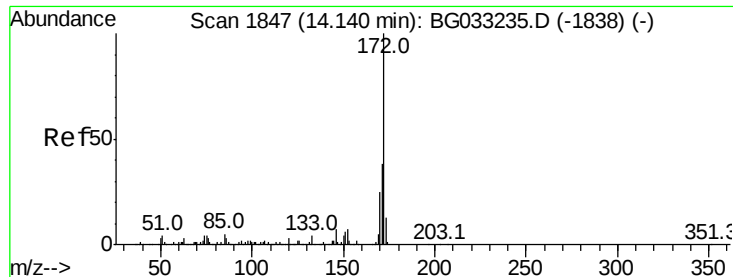


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 85.213 ng

RT: 14.11 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BG033484.D

Acq: 2 Apr 2018 13:08

Instrument :

BNA_G

ClientSampled :

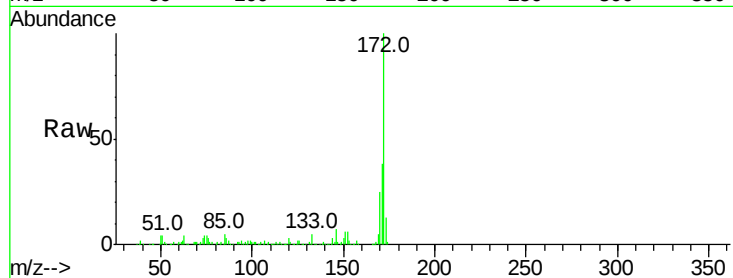
Tot Ion:172 Resp: 695428

Ion Ratio Lower Upper

172 100

171 37.9 30.0 45.0

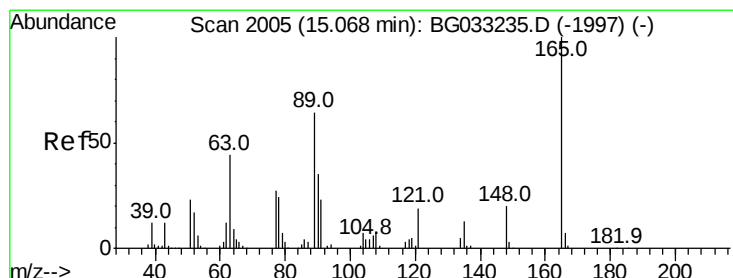
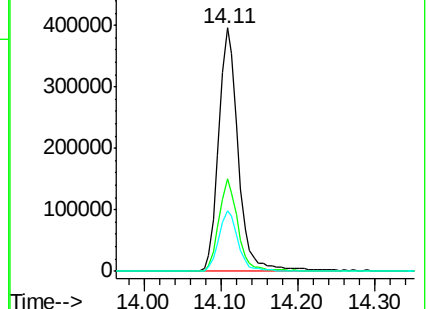
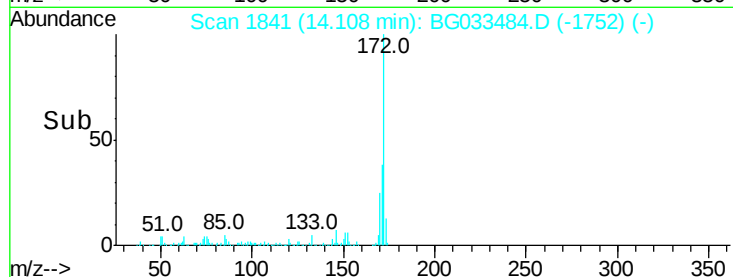
170 25.0 19.5 29.3



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: 7.907 ng

RT: 15.48 min Scan# 2075

Delta R.T. 0.44 min

Lab File: BG033484.D

Acq: 2 Apr 2018 13:08

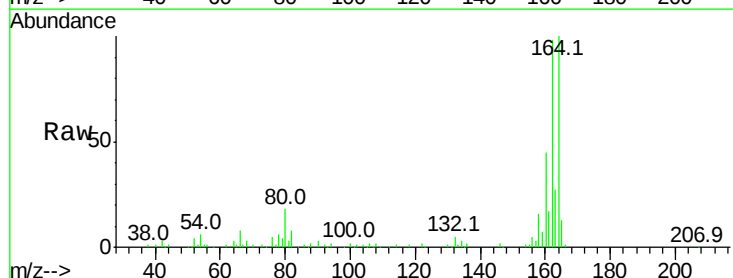
Tgt Ion:165 Resp: 16578

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

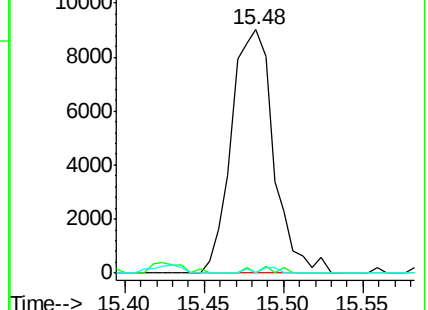
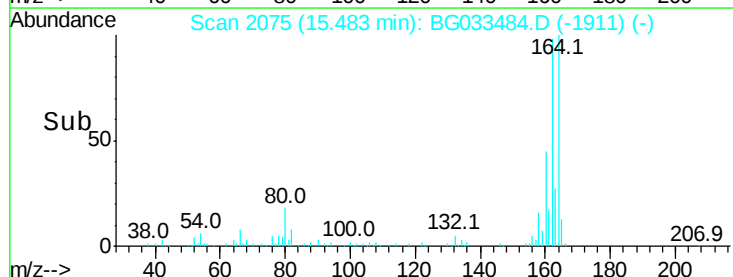
89 0.0 49.2 73.8#

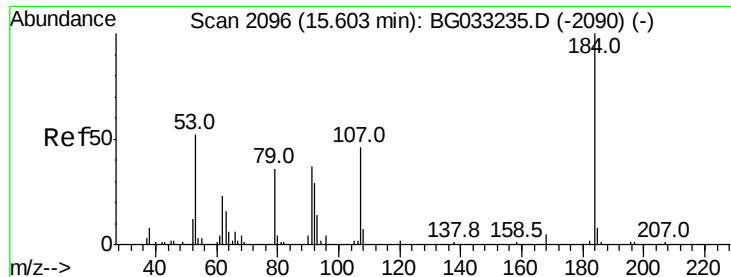


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

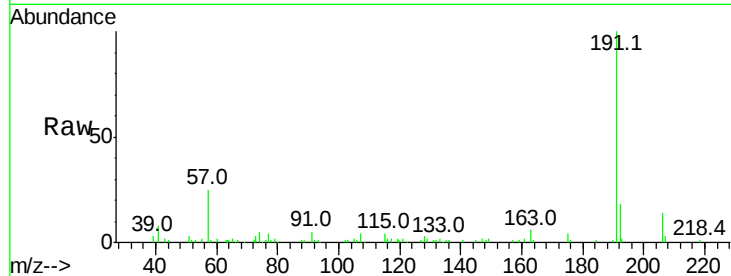




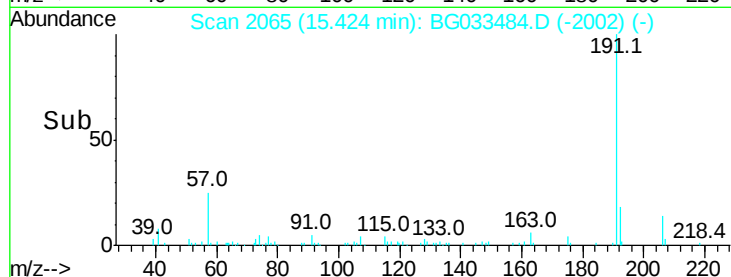
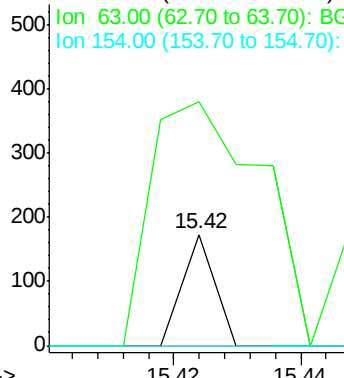
#53
 2,4-Dinitrophenol
 Concen: 7.694 ng
 RT: 15.42 min Scan# 2065
 Delta R.T. -0.16 min
 Lab File: BG033484.D
 Acq: 2 Apr 2018 13:08

Instrument :
 BNA_G
 ClientSampleId :

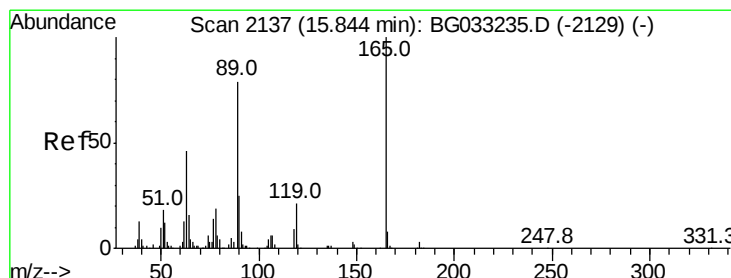
Tot Ion:184 Resp: 61
 Ion Ratio Lower Upper
 184 100
 63 219.1 59.8 89.8#
 154 0.0 101.8 152.8#



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

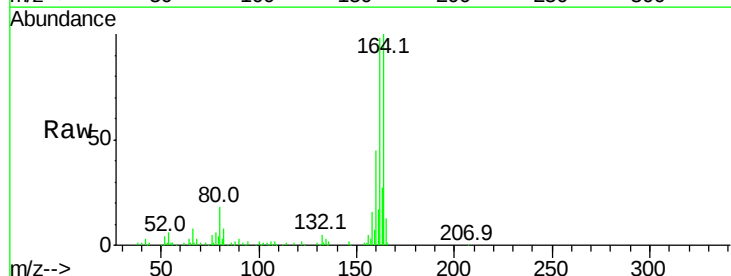


Time-->

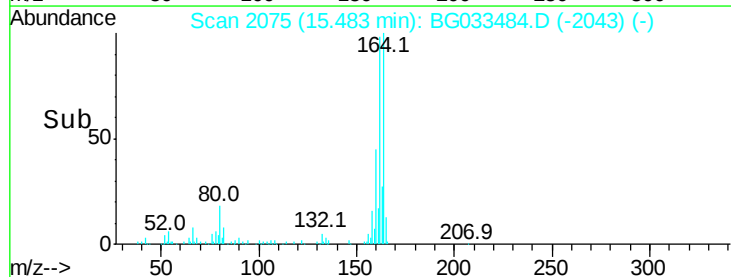
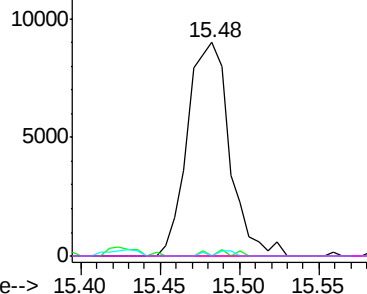


#56
 2,4-Dinitrotoluene
 Concen: 5.370 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.34 min
 Lab File: BG033484.D
 Acq: 2 Apr 2018 13:08

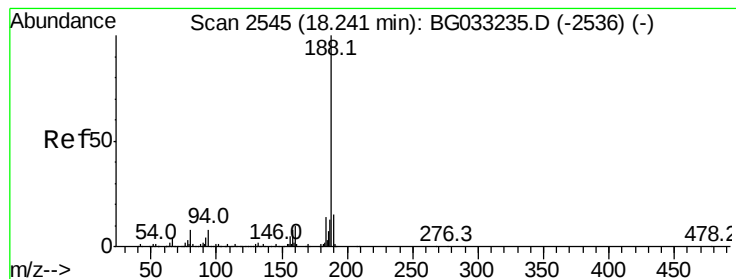
Tgt Ion:165 Resp: 16578
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



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



Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.21 min Scan# 2539

Delta R.T. -0.01 min

Lab File: BG033484.D

Acq: 2 Apr 2018 13:08

Instrument :

BNA_G

ClientSampled :

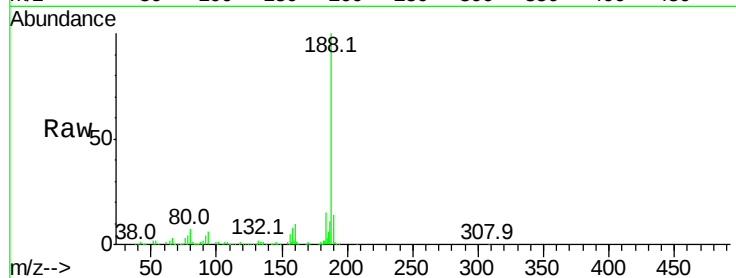
Tot Ion:188 Resp: 323705

Ion Ratio Lower Upper

188 100

94 5.7 6.9 10.3#

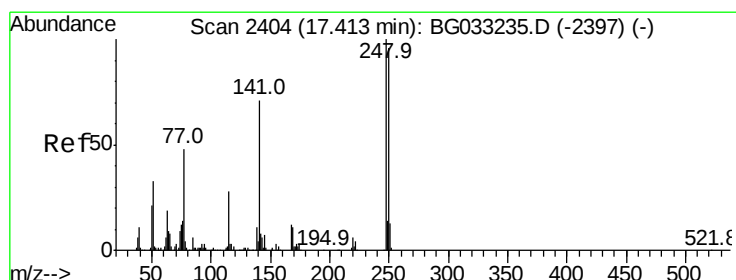
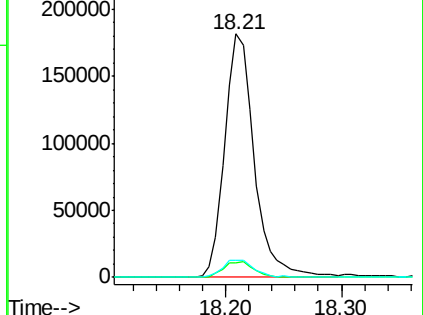
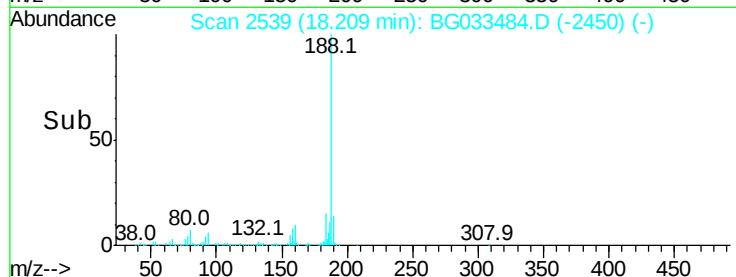
80 7.2 7.7 11.5#



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: 4.486 ng

RT: 16.95 min Scan# 2325

Delta R.T. -0.43 min

Lab File: BG033484.D

Acq: 2 Apr 2018 13:08

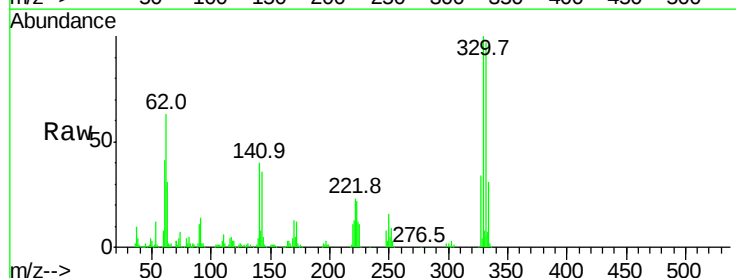
Tgt Ion:248 Resp: 17053

Ion Ratio Lower Upper

248 100

250 205.5 77.1 115.7#

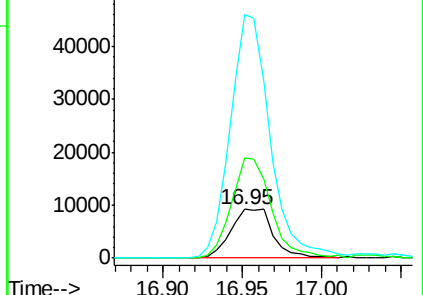
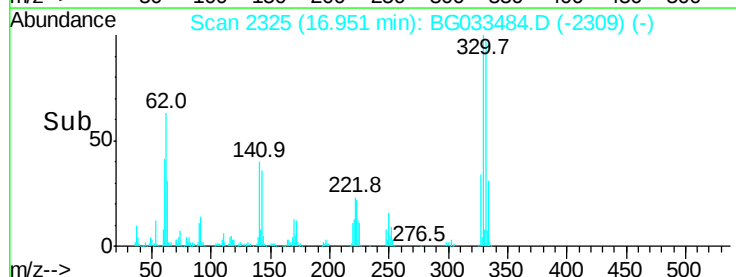
141 498.5 50.8 76.2#

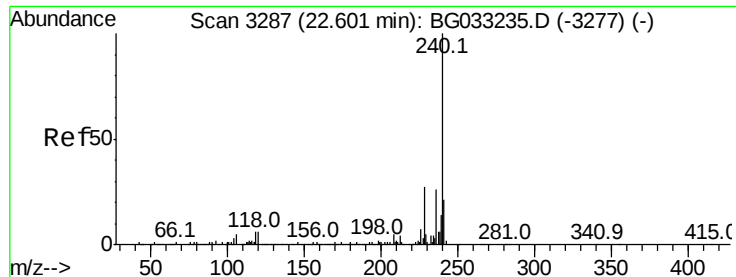


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.56 min Scan# 3279

Delta R.T. -0.01 min

Lab File: BG033484.D

Acq: 2 Apr 2018 13:08

Instrument :

BNA_G

ClientSampleId :

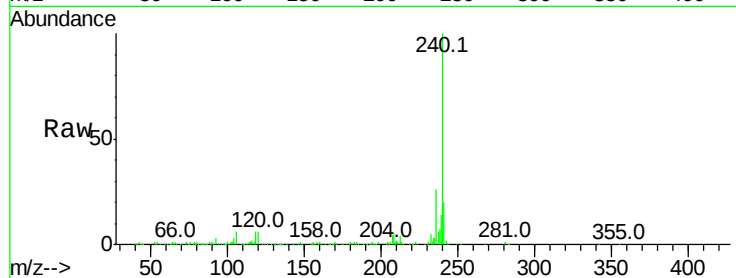
Tot Ion:240 Resp: 333329

Ion Ratio Lower Upper

240 100

120 6.1 6.8 10.2#

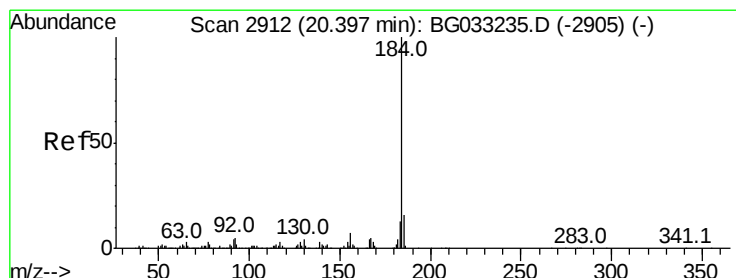
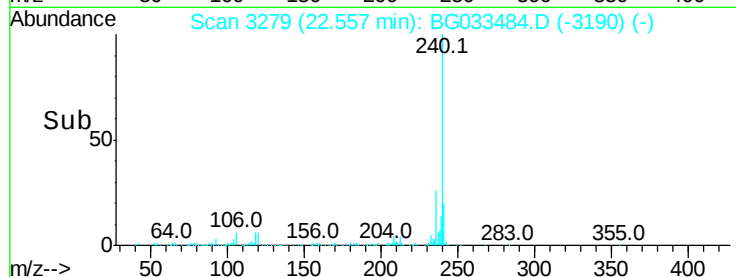
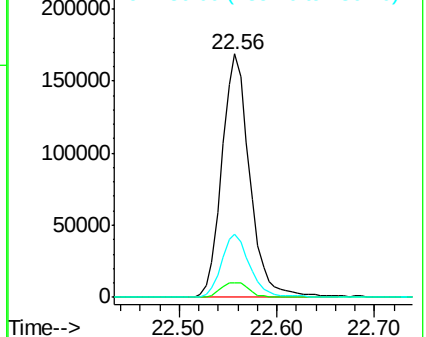
236 26.1 20.9 31.3



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: 19.676 ng

RT: 20.37 min Scan# 2907

Delta R.T. 0.00 min

Lab File: BG033484.D

Acq: 2 Apr 2018 13:08

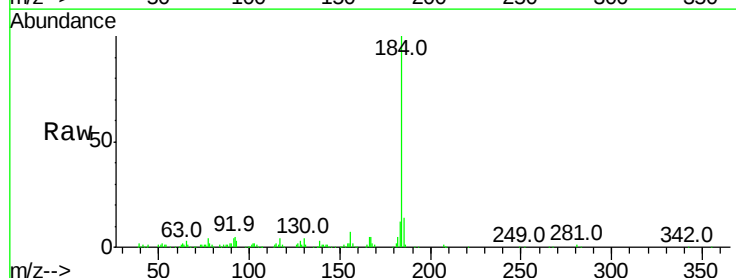
Tgt Ion:184 Resp: 177862

Ion Ratio Lower Upper

184 100

185 13.8 11.1 16.7

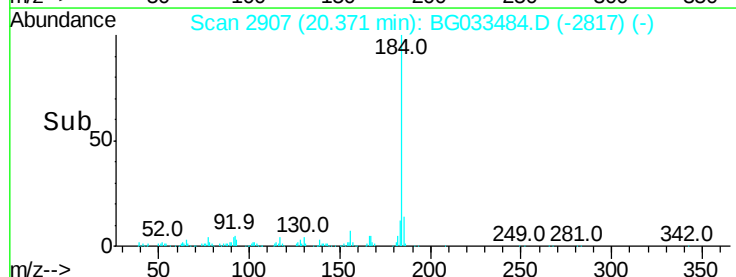
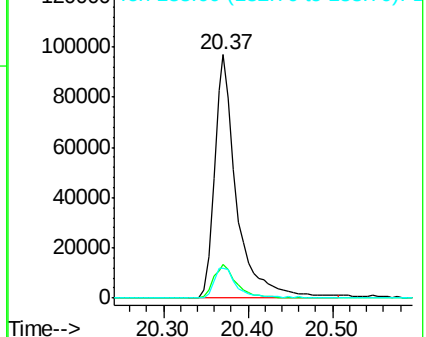
183 12.2 10.6 16.0

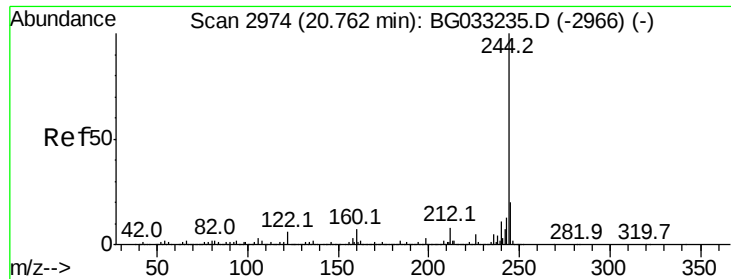


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

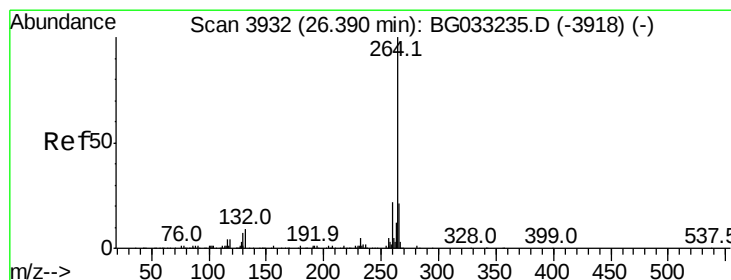
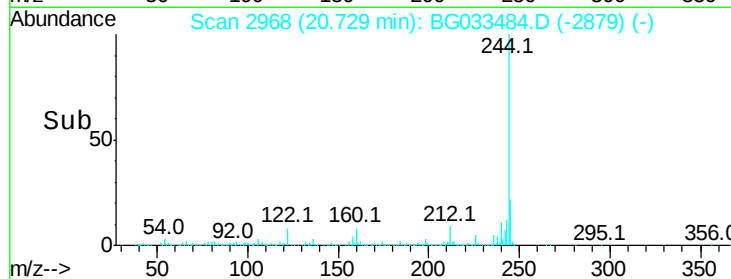
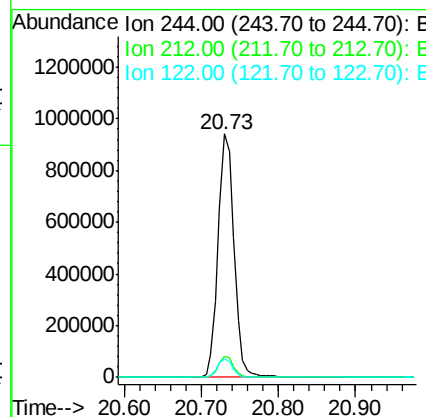
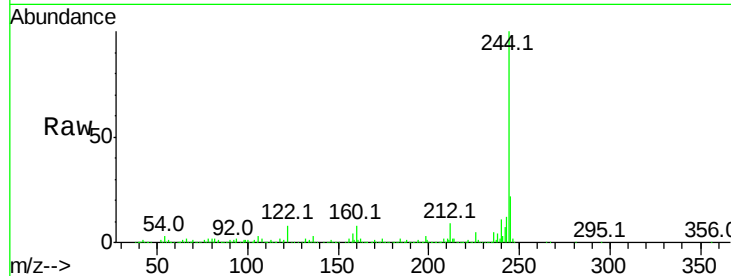




#78
 Terphenyl-d14
 Concen: 85.905 ng
 RT: 20.73 min Scan# 2968
 Delta R.T. -0.01 min
 Lab File: BG033484.D
 Acq: 2 Apr 2018 13:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1338944
 Ion Ratio Lower Upper
 244 100
 212 8.7 5.8 8.8
 122 7.7 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.32 min Scan# 3920
 Delta R.T. -0.01 min
 Lab File: BG033484.D
 Acq: 2 Apr 2018 13:08

Tgt Ion:264 Resp: 348763
 Ion Ratio Lower Upper
 264 100
 260 22.9 17.4 26.0
 265 21.0 17.7 26.5

