

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032818\
 Data File : BG033388.D
 Acq On : 28 Mar 2018 16:28
 Operator : SJ/JU
 Sample : J2071-10
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 18:29:49 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 18:29:08 2018
 Response via : Initial Calibration

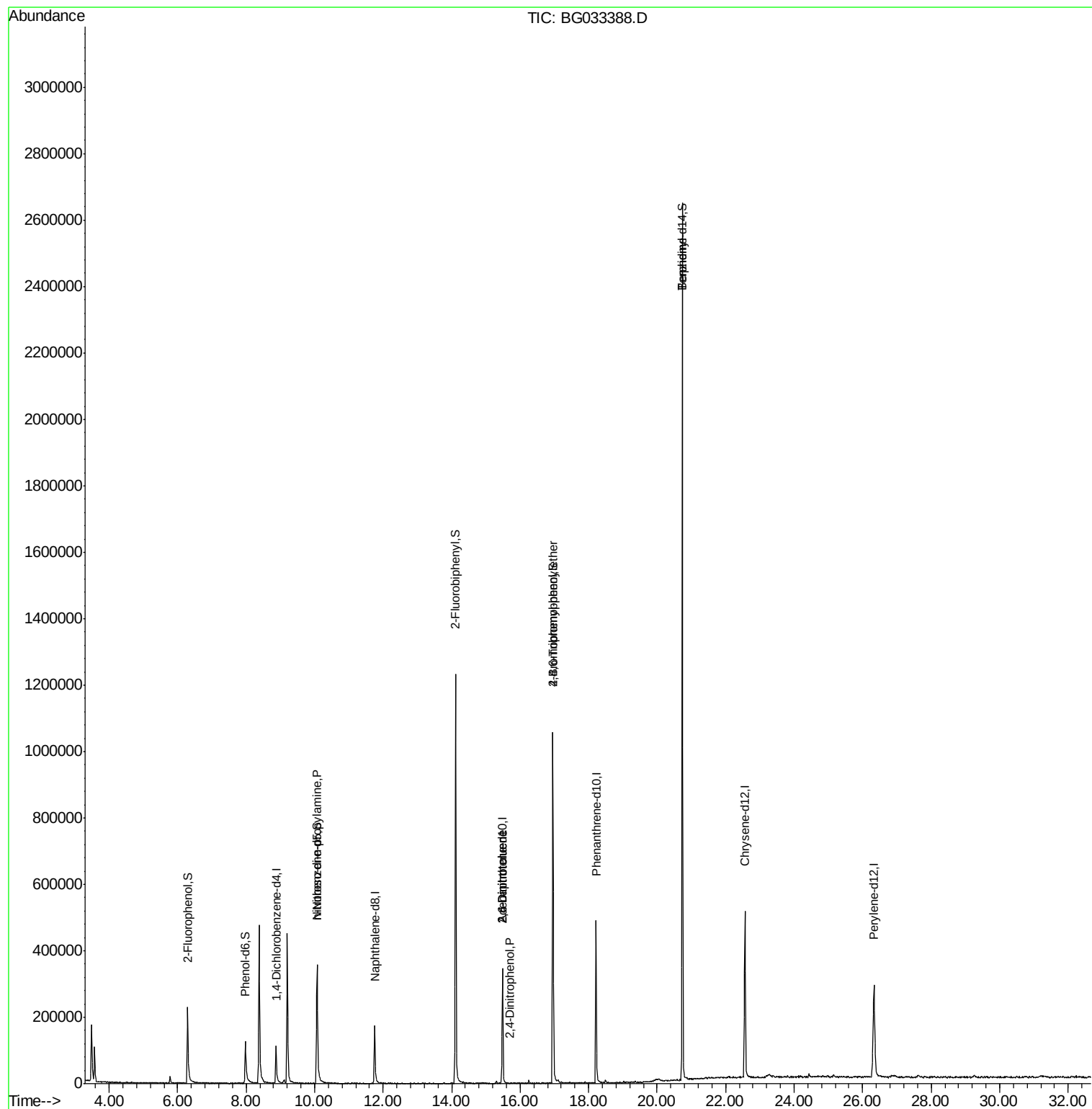
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	42983	20.00	ng	0.00
21) Naphthalene-d8	11.75	136	181470	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	138442	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	357736	20.00	ng	0.00
75) Chrysene-d12	22.56	240	367115	20.00	ng	0.00
86) Perylene-d12	26.33	264	387147	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	122544	53.46	ng	0.00
7) Phenol-d6	7.97	99	109296	27.75	ng	0.00
23) Nitrobenzene-d5	10.07	82	292399	74.03	ng	0.00
41) 2,4,6-Tribromophenol	16.96	330	218881	105.71	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	702489	73.25	ng	0.00
78) Terphenyl-d14	20.73	244	1291768	75.25	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.07	70	39409	13.655	ng	# 70
50) 2,6-Dinitrotoluene	15.48	165	17335	7.037	ng	# 18
53) 2,4-Dinitrophenol	15.69	184	59	7.685	ng	# 1
56) 2,4-Dinitrotoluene	15.48	165	17335	4.779	ng	# 16
66) 4-Bromophenyl-phenylether	16.96	248	17321	4.123	ng	# 1
76) Benzidine	20.73	184	21138	2.123	ng	# 92

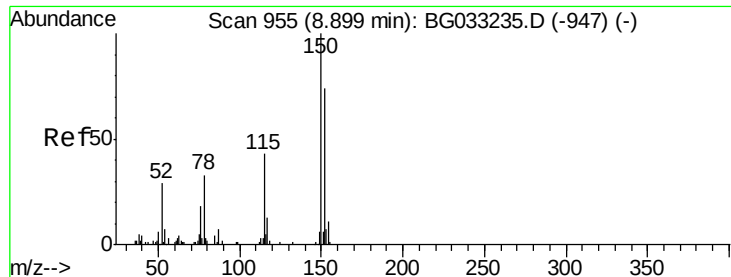
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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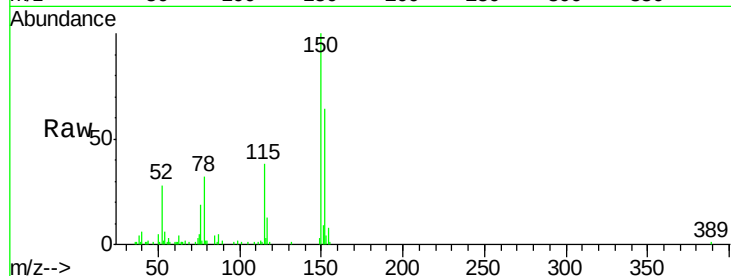


#1

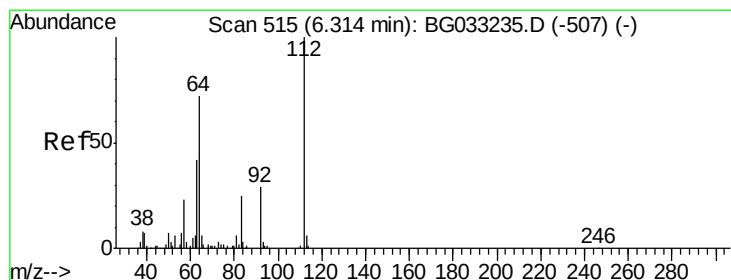
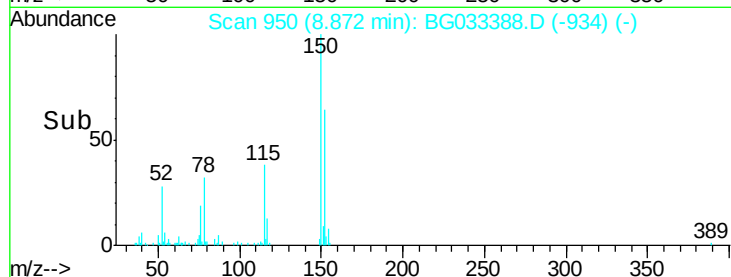
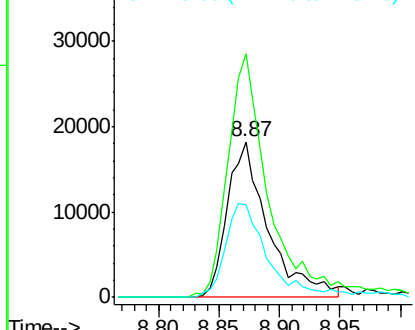
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 950
Delta R.T. -0.01 min
Lab File: BG033388.D
Acq: 28 Mar 2018 16:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 42983
Ion Ratio Lower Upper
152 100
150 156.2 126.6 189.8
115 59.1 53.0 79.4



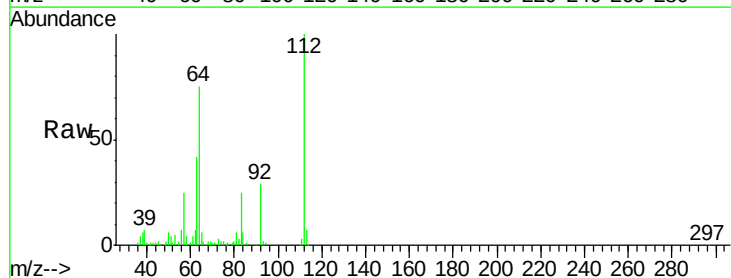
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



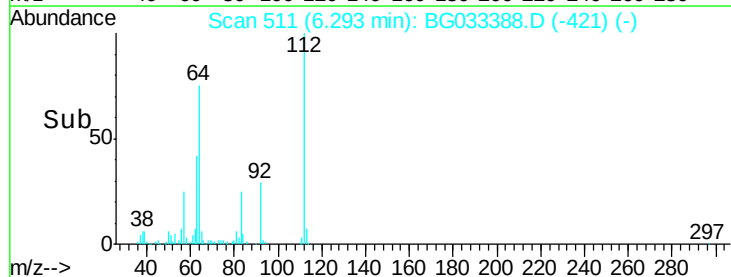
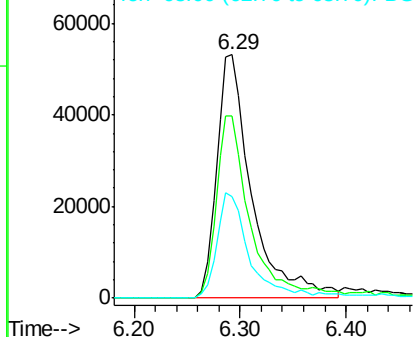
#5

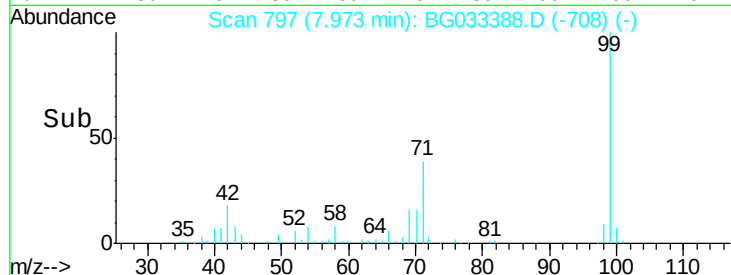
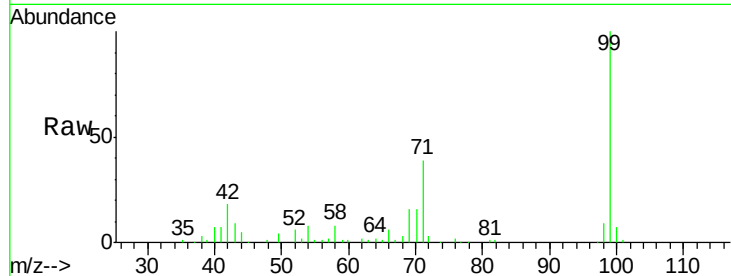
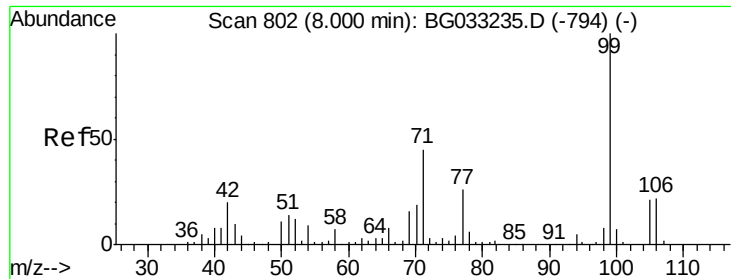
2-Fluorophenol
Concen: 53.459 ng
RT: 6.29 min Scan# 511
Delta R.T. -0.00 min
Lab File: BG033388.D
Acq: 28 Mar 2018 16:28

Tgt Ion:112 Resp: 122544
Ion Ratio Lower Upper
112 100
64 75.0 56.3 84.5
63 41.9 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: 27.750 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.01 min

Lab File: BG033388.D

Acq: 28 Mar 2018 16:28

Instrument :

BNA_G

ClientSampleId :

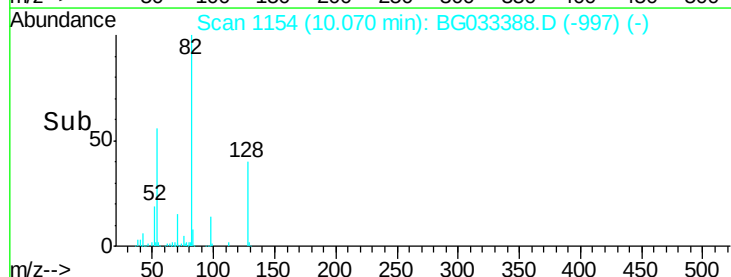
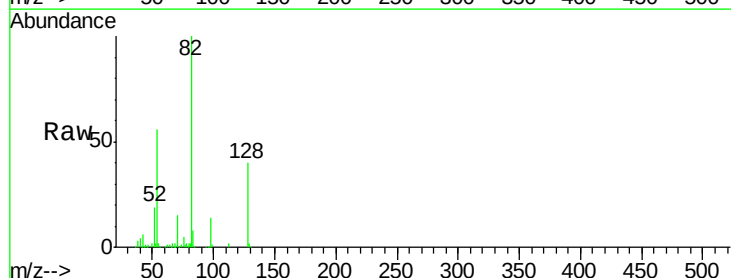
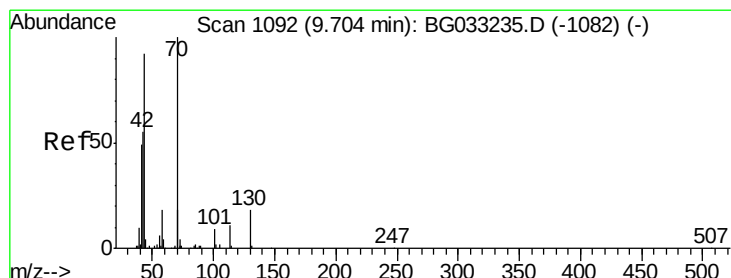
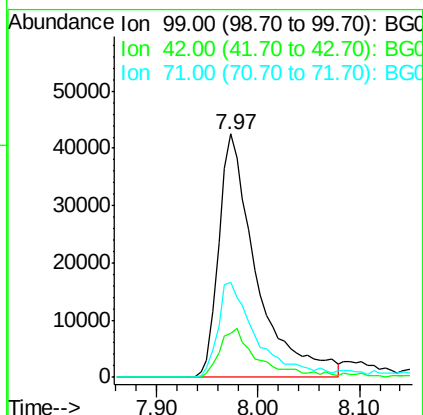
Tot Ion: 99 Resp: 109296

Ion Ratio Lower Upper

99 100

42 18.3 14.1 21.1

71 39.3 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 13.655 ng

RT: 10.07 min Scan# 1154

Delta R.T. 0.39 min

Lab File: BG033388.D

Acq: 28 Mar 2018 16:28

Tgt Ion: 70 Resp: 39409

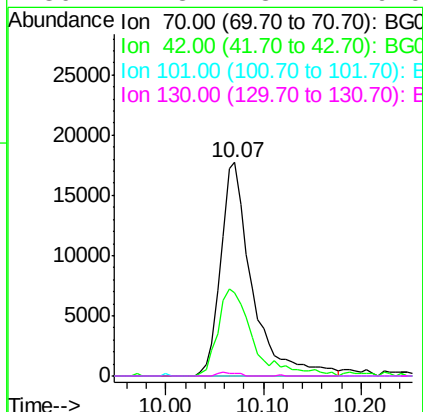
Ion Ratio Lower Upper

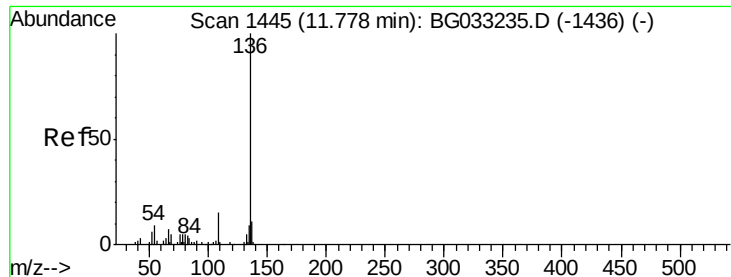
70 100

42 38.9 49.1 73.7#

101 0.0 8.5 12.7#

130 1.3 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.75 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BG033388.D

Acq: 28 Mar 2018 16:28

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 181470

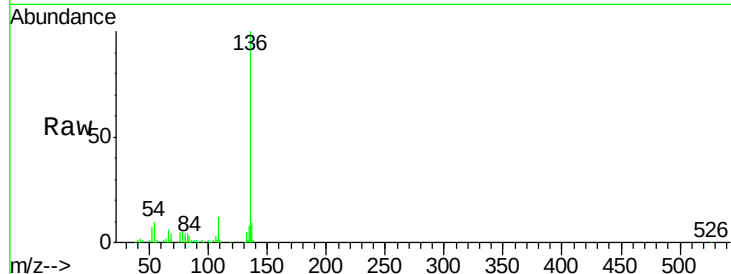
Ion Ratio Lower Upper

136 100

137 9.4 9.2 13.8

54 10.3 10.3 15.5#

68 3.9 4.5 6.7#



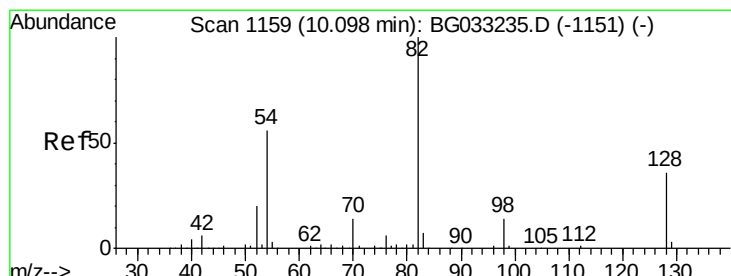
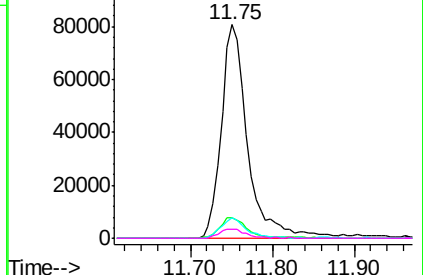
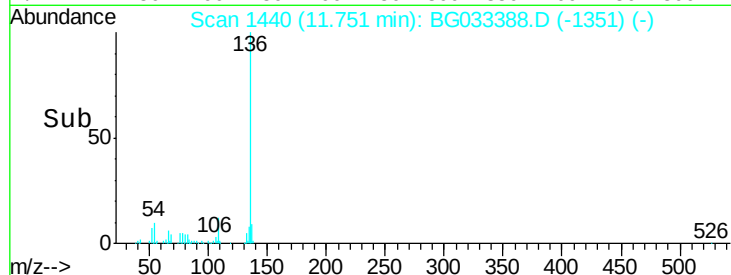
Abundance Ion 136.00 (135.70 to 136.70): E

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

Time-->



#23

Nitrobenzene-d5

Concen: 74.029 ng

RT: 10.07 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BG033388.D

Acq: 28 Mar 2018 16:28

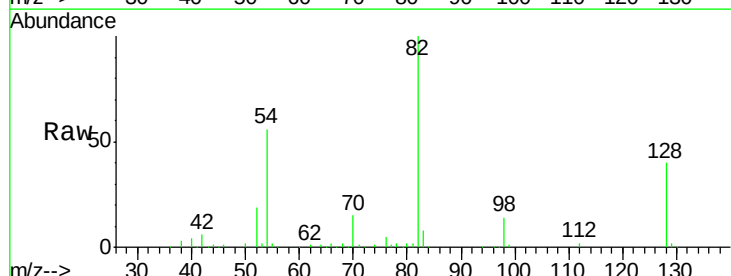
Tgt Ion: 82 Resp: 292399

Ion Ratio Lower Upper

82 100

128 40.2 29.7 44.5

54 56.2 43.1 64.7

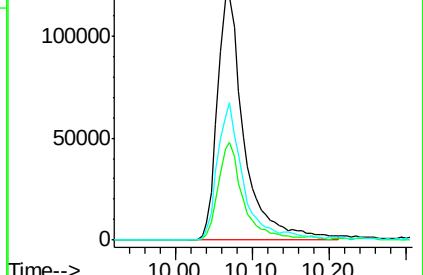
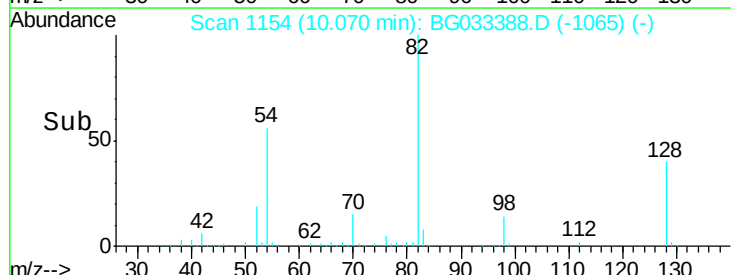


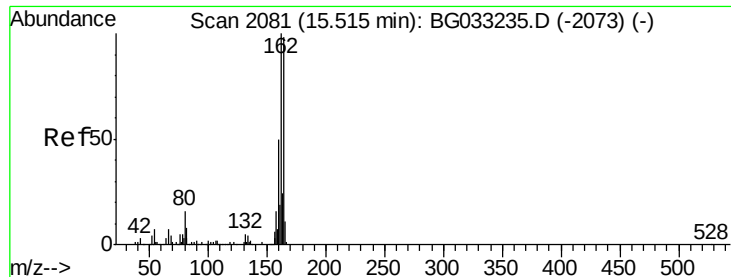
Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

Time-->





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.48 min Scan# 2075

Delta R.T. -0.01 min

Lab File: BG033388.D

Acq: 28 Mar 2018 16:28

Instrument :

BNA_G

ClientSampleId :

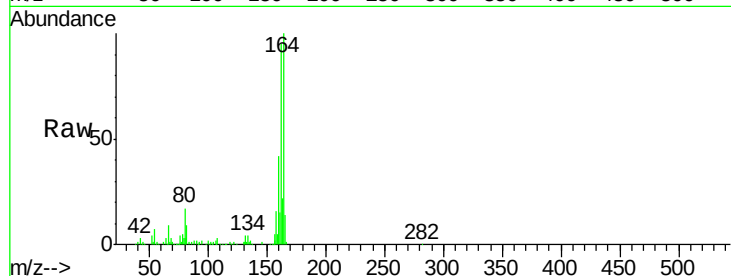
Tot Ion:164 Resp: 138442

Ion Ratio Lower Upper

164 100

162 95.2 78.8 118.2

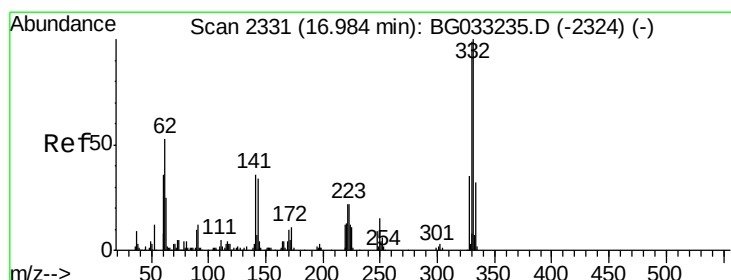
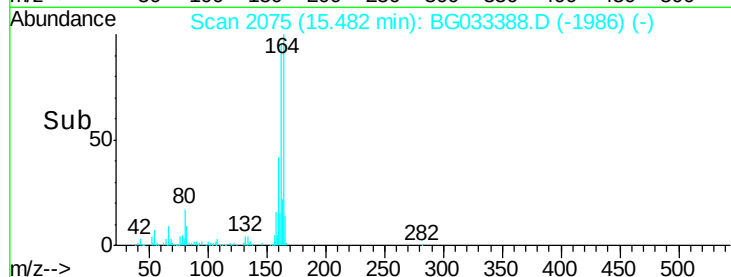
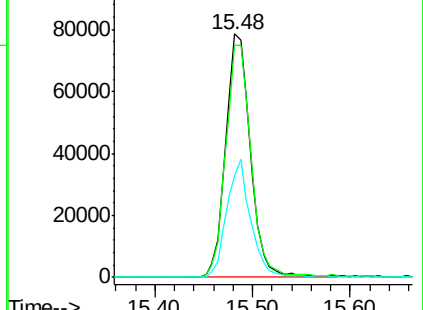
160 41.5 35.4 53.0



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: 105.711 ng

RT: 16.96 min Scan# 2326

Delta R.T. -0.00 min

Lab File: BG033388.D

Acq: 28 Mar 2018 16:28

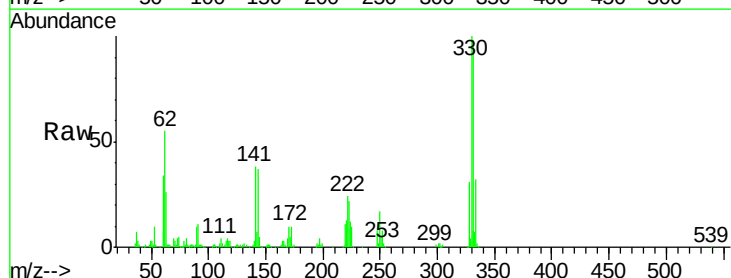
Tgt Ion:330 Resp: 218881

Ion Ratio Lower Upper

330 100

332 98.3 77.0 115.6

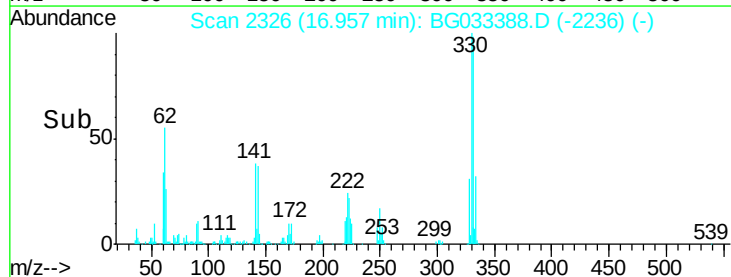
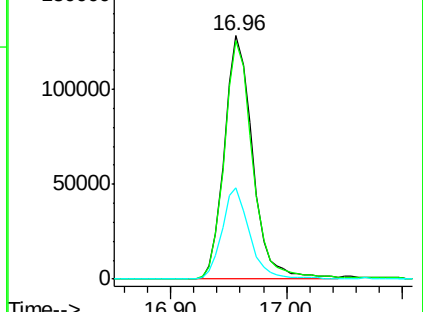
141 36.7 25.2 37.8

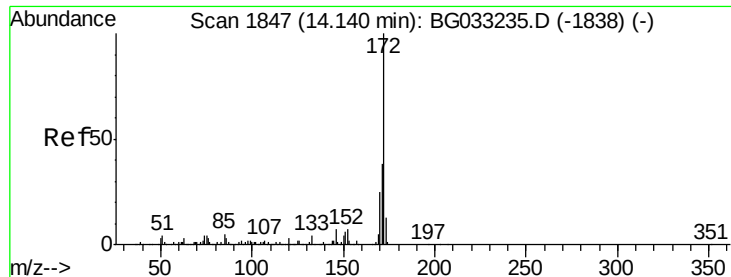


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

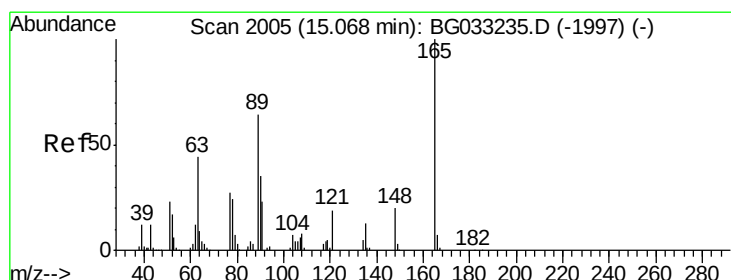
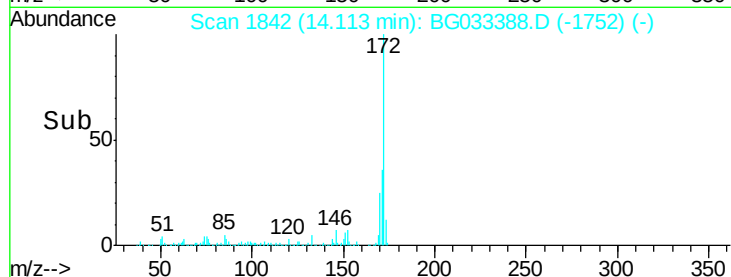
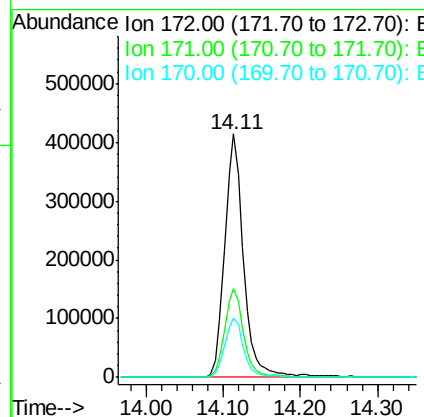
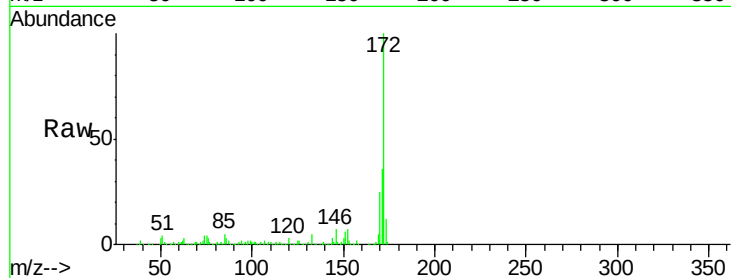




#44
 2-Fluorobiphenyl
 Concen: 73.254 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BG033388.D
 Acq: 28 Mar 2018 16:28

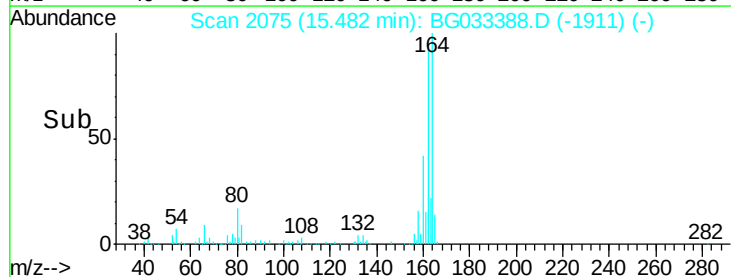
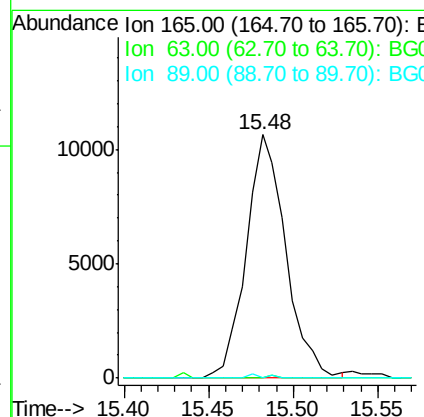
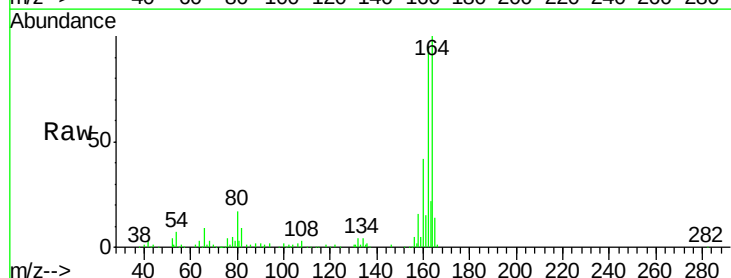
Instrument :
 BNA_G
 ClientSampled :

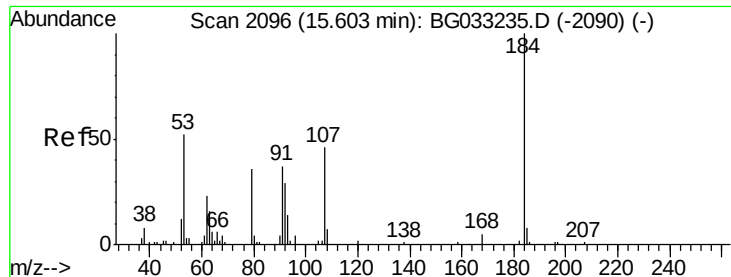
Tot Ion:172 Resp: 702489
 Ion Ratio Lower Upper
 172 100
 171 36.5 30.0 45.0
 170 24.6 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.037 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. 0.43 min
 Lab File: BG033388.D
 Acq: 28 Mar 2018 16:28

Tgt Ion:165 Resp: 17335
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

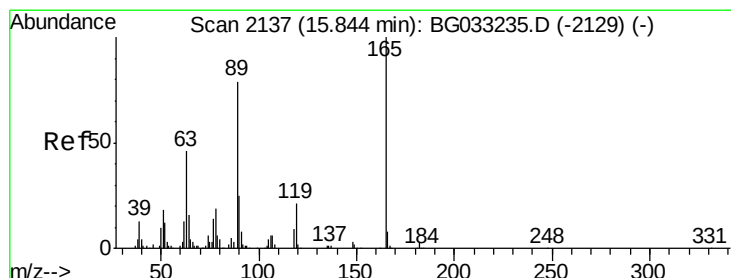
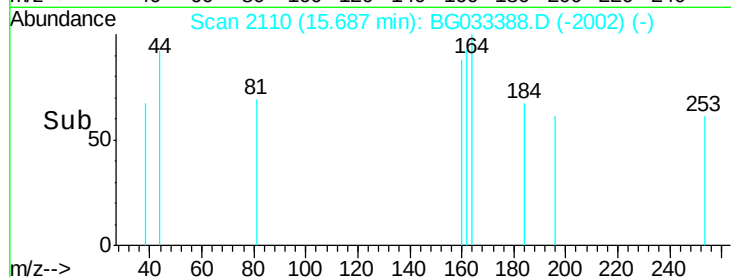
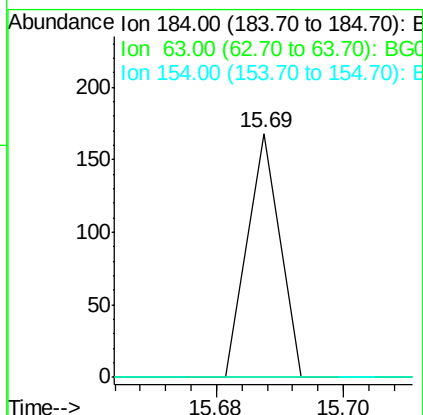
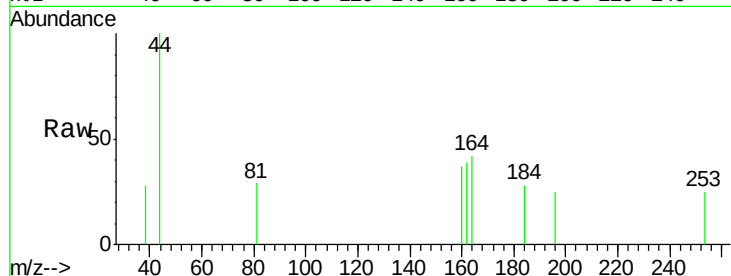




#53
2,4-Dinitrophenol
Concen: 7.685 ng
RT: 15.69 min Scan# 2110
Delta R.T. 0.11 min
Lab File: BG033388.D
Acq: 28 Mar 2018 16:28

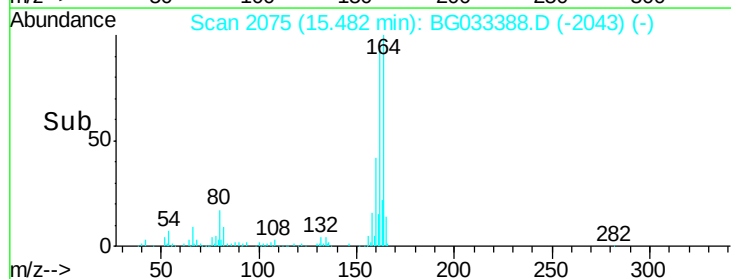
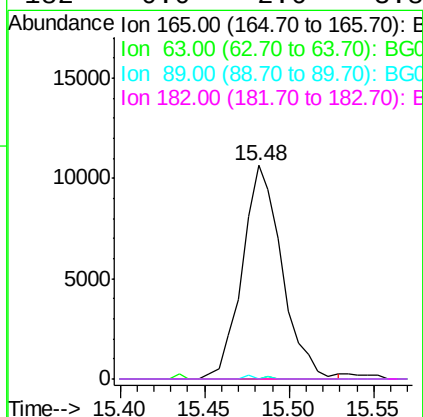
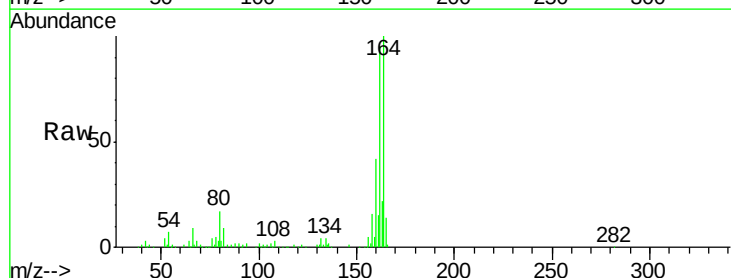
Instrument :
BNA_G
ClientSampleId :

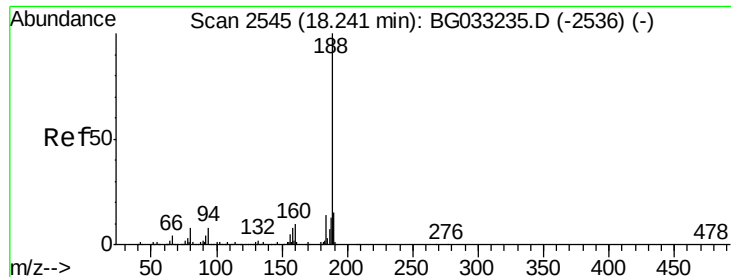
Tot Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



#56
2,4-Dinitrotoluene
Concen: 4.779 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.34 min
Lab File: BG033388.D
Acq: 28 Mar 2018 16:28

Tgt Ion:165 Resp: 17335
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#

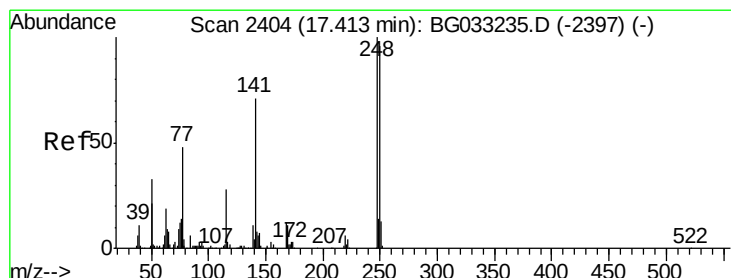
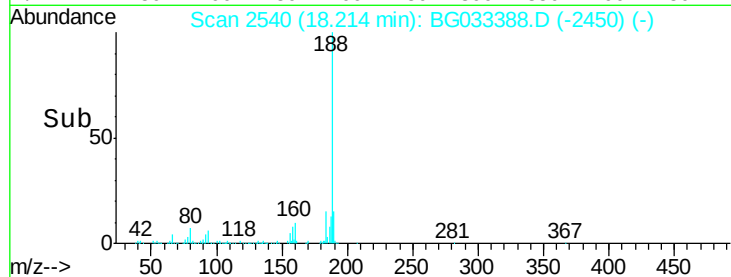
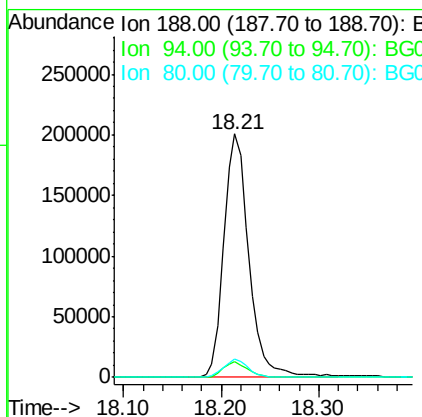
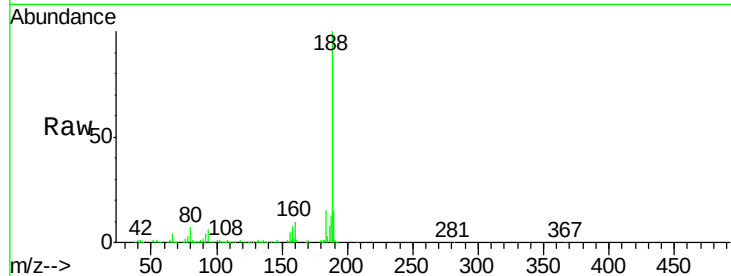




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.21 min Scan# 2540
 Delta R.T. -0.00 min
 Lab File: BG033388.D
 Acq: 28 Mar 2018 16:28

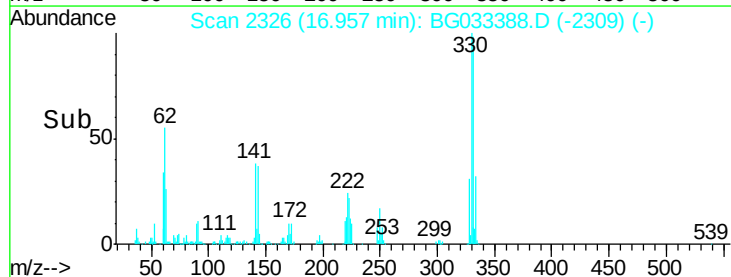
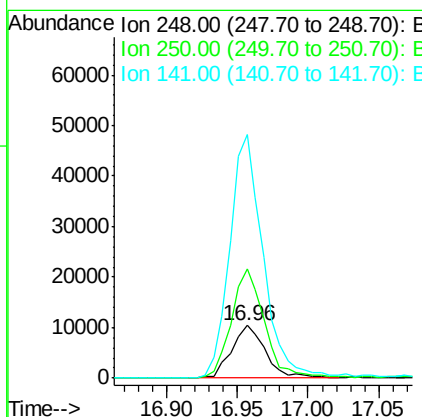
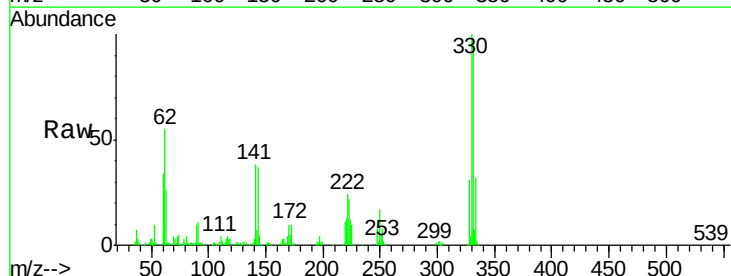
Instrument :
 BNA_G
 ClientSampleID :

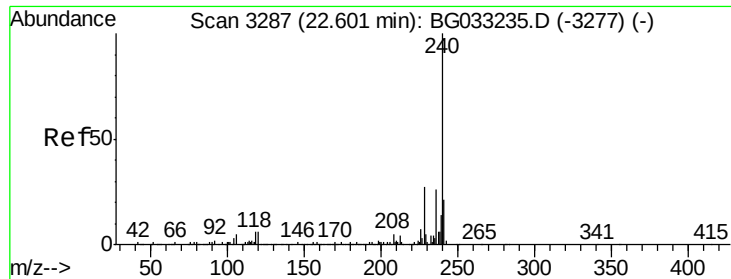
Tot Ion:188 Resp: 357736
 Ion Ratio Lower Upper
 188 100
 94 6.4 6.9 10.3#
 80 7.4 7.7 11.5#



#66
 4-Bromophenyl-phenylether
 Concen: 4.123 ng
 RT: 16.96 min Scan# 2326
 Delta R.T. -0.43 min
 Lab File: BG033388.D
 Acq: 28 Mar 2018 16:28

Tgt Ion:248 Resp: 17321
 Ion Ratio Lower Upper
 248 100
 250 206.3 77.1 115.7#
 141 461.6 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BG033388.D

Acq: 28 Mar 2018 16:28

Instrument :

BNA_G

ClientSampleId :

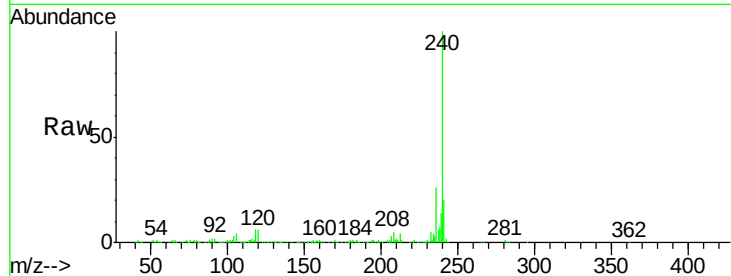
Tot Ion:240 Resp: 367115

Ion Ratio Lower Upper

240 100

120 6.0 6.8 10.2#

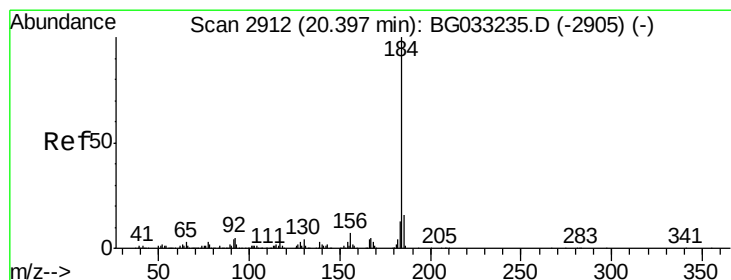
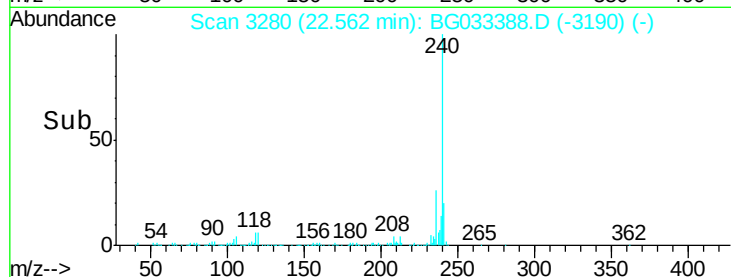
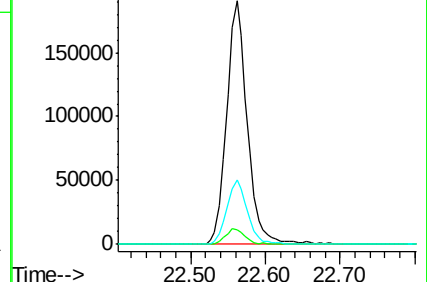
236 26.3 20.9 31.3



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: 2.123 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.36 min

Lab File: BG033388.D

Acq: 28 Mar 2018 16:28

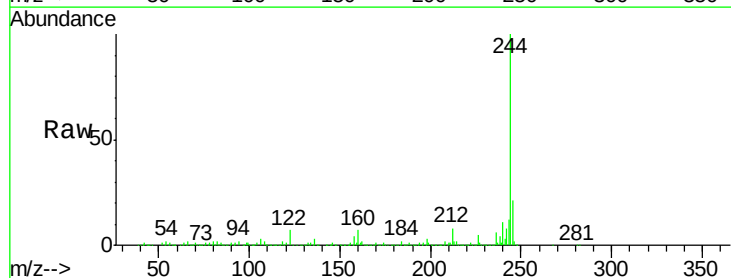
Tgt Ion:184 Resp: 21138

Ion Ratio Lower Upper

184 100

185 18.6 11.1 16.7#

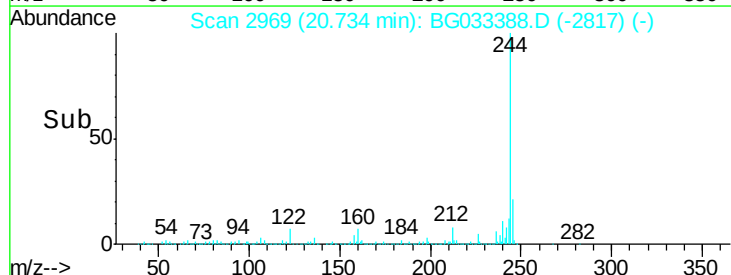
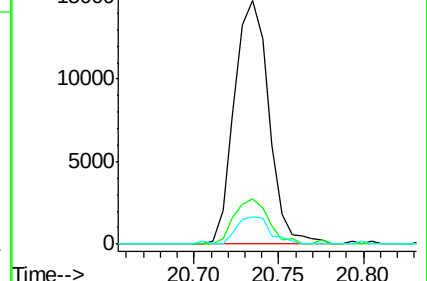
183 11.3 10.6 16.0

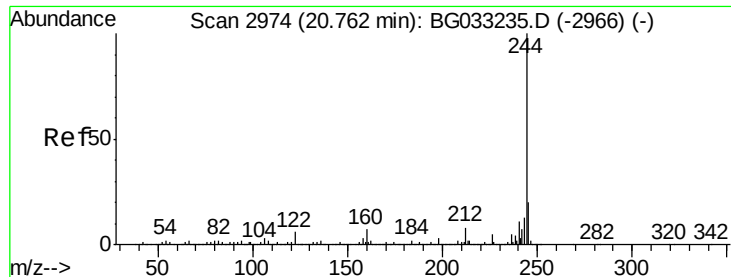


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 75.251 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG033388.D

Acq: 28 Mar 2018 16:28

Instrument :

BNA_G

ClientSampleId :

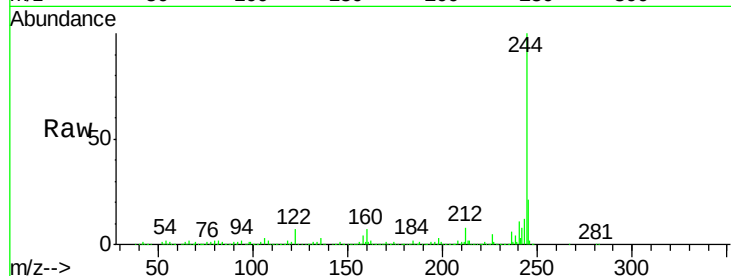
Tot Ion:244 Resp: 1291768

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

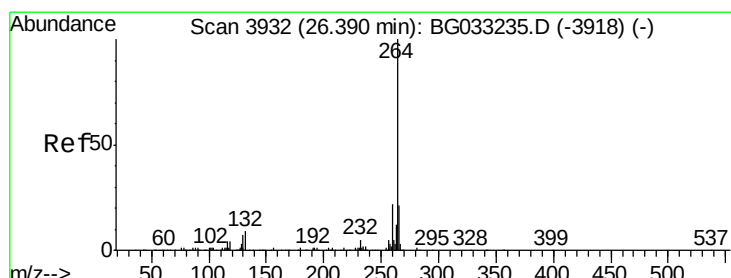
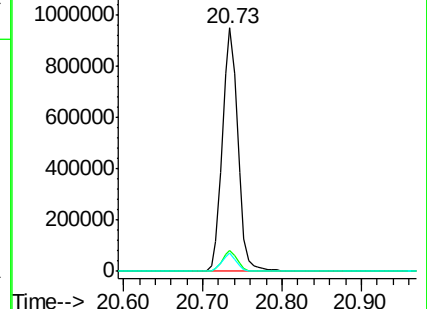
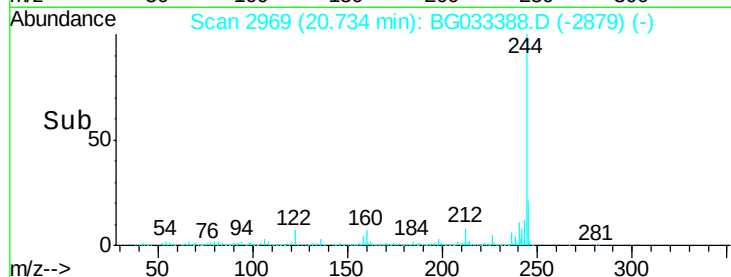
122 7.3 7.0 10.4



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: 26.33 min Scan# 3921

Delta R.T. -0.01 min

Lab File: BG033388.D

Acq: 28 Mar 2018 16:28

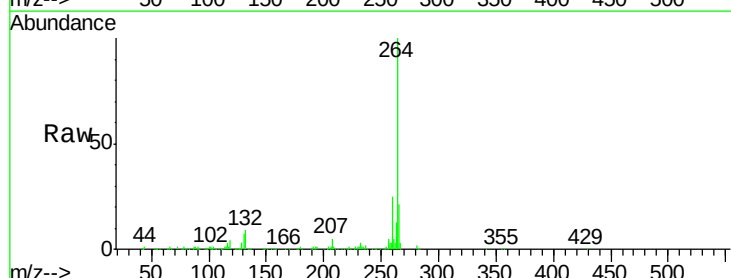
Tgt Ion:264 Resp: 387147

Ion Ratio Lower Upper

264 100

260 24.9 17.4 26.0

265 20.9 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

