

Data Path : U:\HPCHEM1\BNA G\DATA\BG013118\
 Data File : BG032470.D
 Acq On : 31 Jan 2018 18:00
 Operator : SJ/JU
 Sample : PB106216BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 01 01:38:59 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 15:32:55 2018
 Response via : Initial Calibration

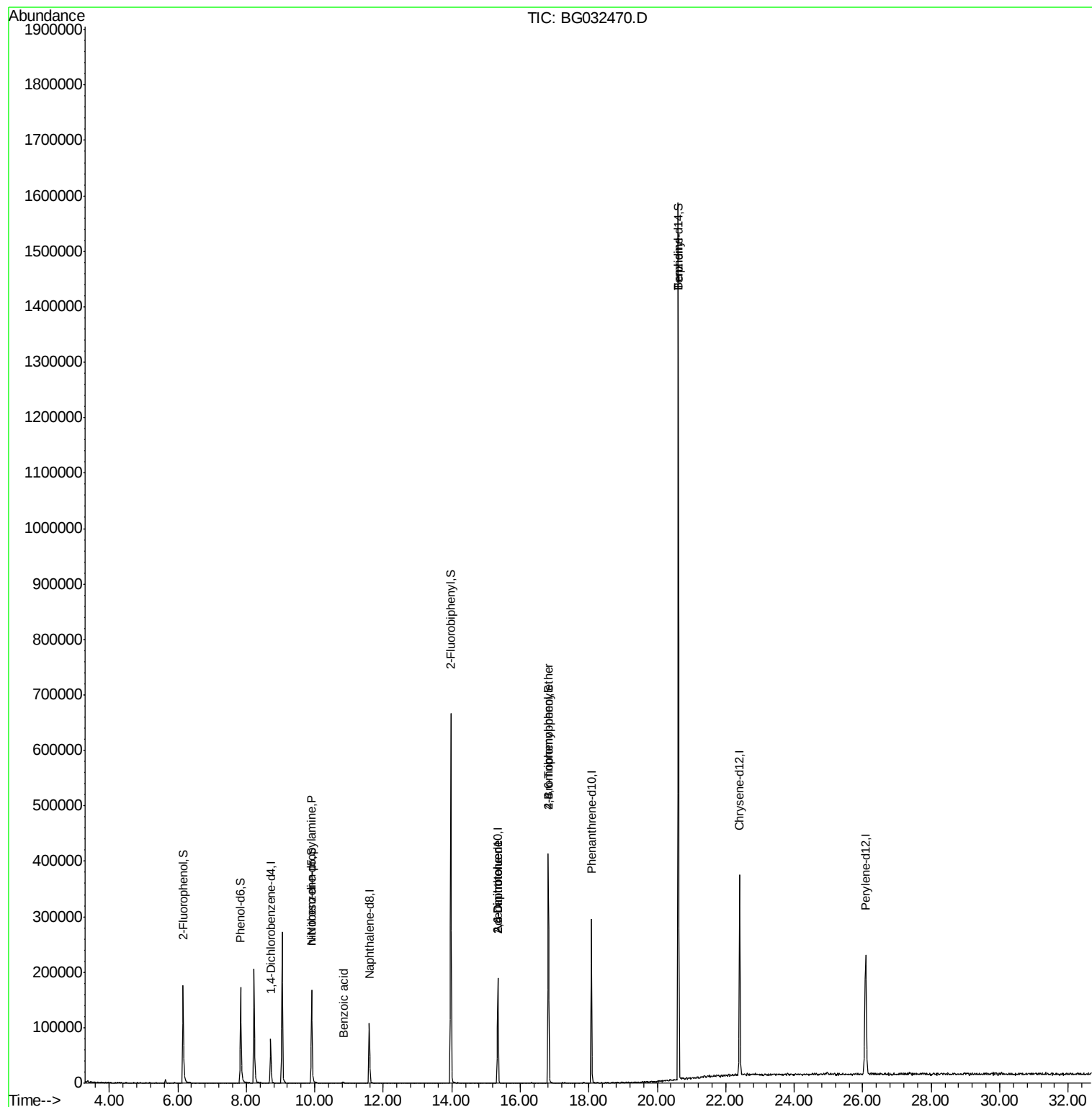
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	27514	20.00	ng	-0.01
21) Naphthalene-d8	11.59	136	110174	20.00	ng	-0.01
38) Acenaphthene-d10	15.35	164	76296	20.00	ng	0.00
63) Phenanthrene-d10	18.08	188	217229	20.00	ng	-0.01
75) Chrysene-d12	22.41	240	274187	20.00	ng	-0.01
86) Perylene-d12	26.08	264	301002	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	103290	75.40	ng	0.00
7) Phenol-d6	7.84	99	122994	67.29	ng	0.00
23) Nitrobenzene-d5	9.91	82	113948	64.60	ng	-0.01
41) 2,4,6-Tribromophenol	16.82	330	99881	68.77	ng	-0.01
44) 2-Fluorobiphenyl	13.98	172	421524	65.67	ng	-0.01
78) Terphenyl-d14	20.61	244	838455	65.50	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.90	70	16539	13.646	ng	# 78
32) Benzoic acid	10.84	122	504	7.671	ng	# 57
50) 2,6-Dinitrotoluene	15.34	165	10459	7.084	ng	# 18
56) 2,4-Dinitrotoluene	15.34	165	10459	4.975	ng	# 16
66) 4-Bromophenyl-phenylether	16.82	248	9132	2.838	ng	# 1
76) Benzidine	20.61	184	11444	2.126	ng	# 90

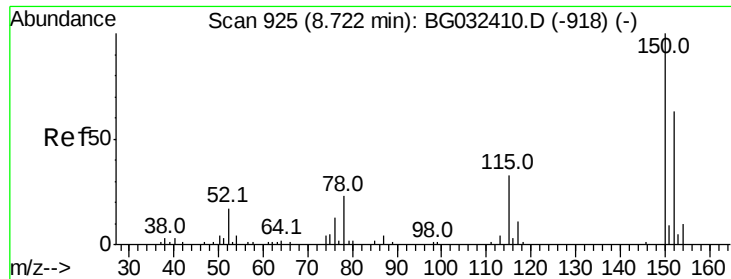
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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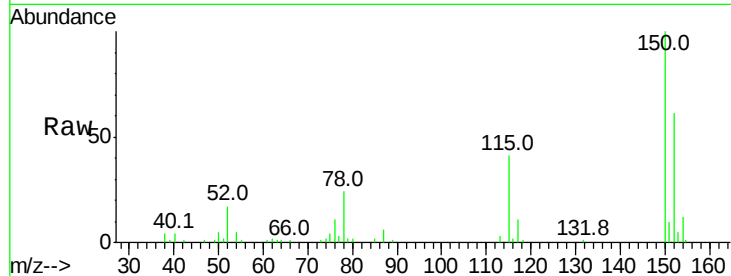


#1

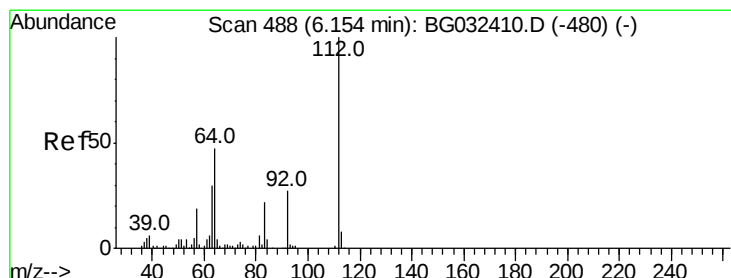
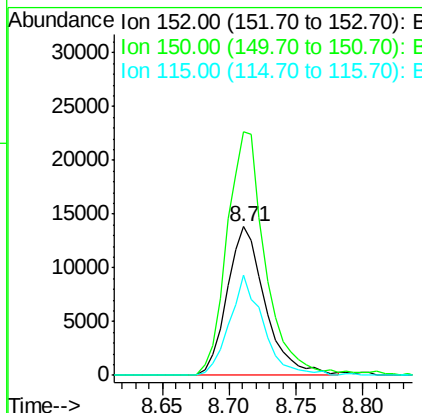
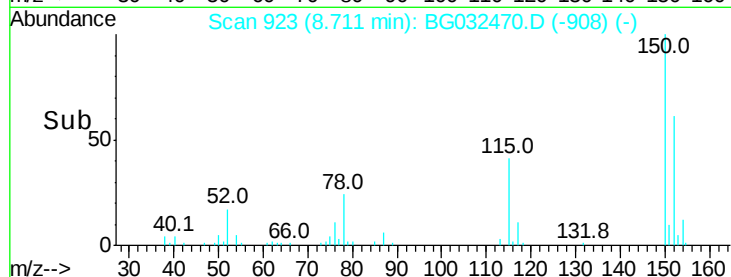
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.71 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BG032470.D
 Acq: 31 Jan 2018 18:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 27514
 Ion Ratio Lower Upper
 152 100
 150 163.8 126.6 189.8
 115 67.5 53.0 79.4



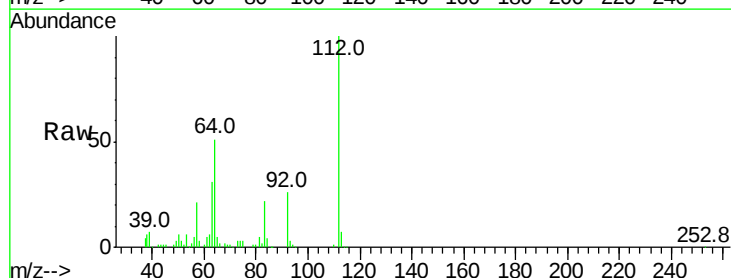
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



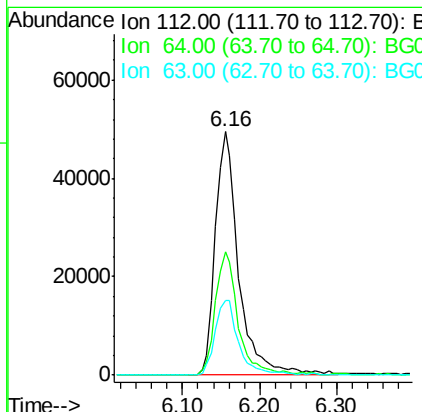
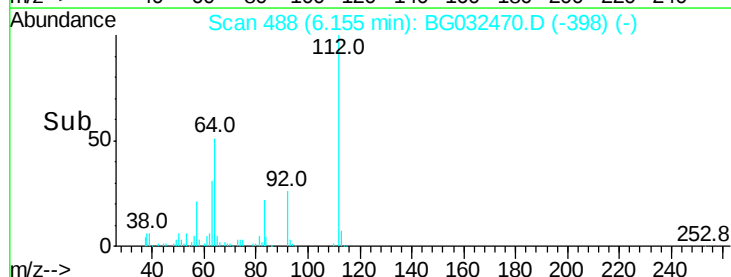
#5

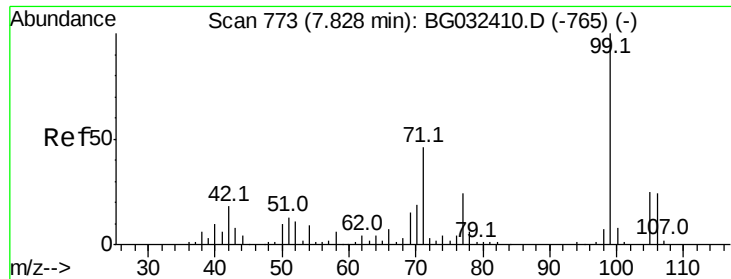
2-Fluorophenol
 Concen: 75.403 ng
 RT: 6.16 min Scan# 488
 Delta R.T. 0.00 min
 Lab File: BG032470.D
 Acq: 31 Jan 2018 18:00

Tgt Ion:112 Resp: 103290
 Ion Ratio Lower Upper
 112 100
 64 50.6 56.3 84.5#
 63 30.7 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: 67.286 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032470.D

Acq: 31 Jan 2018 18:00

Instrument :

BNA_G

ClientSampled :

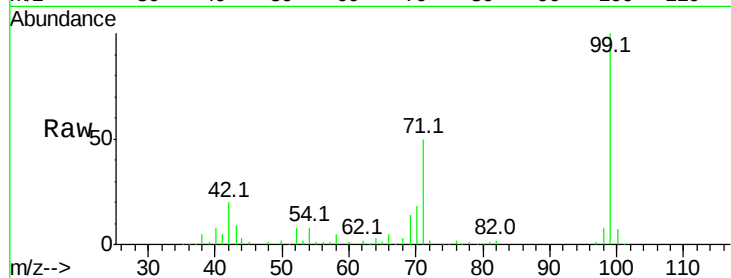
Tot Ion: 99 Resp: 122994

Ion Ratio Lower Upper

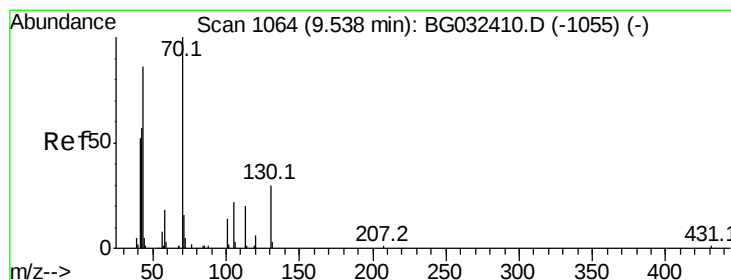
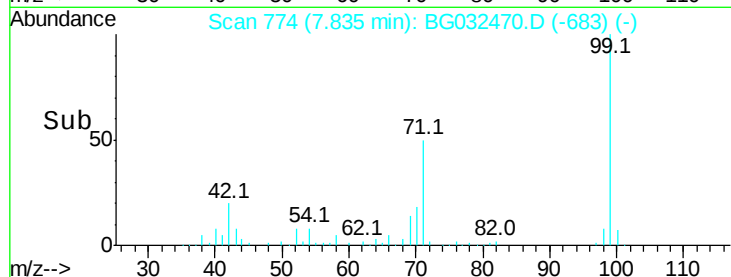
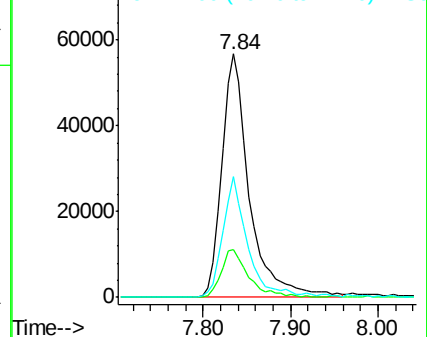
99 100

42 19.8 14.1 21.1

71 49.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.646 ng

RT: 9.90 min Scan# 1126

Delta R.T. 0.37 min

Lab File: BG032470.D

Acq: 31 Jan 2018 18:00

Tgt Ion: 70 Resp: 16539

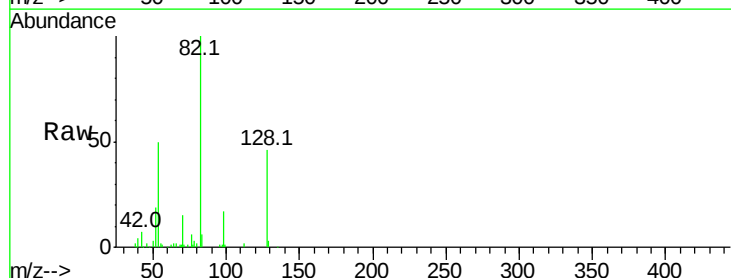
Ion Ratio Lower Upper

70 100

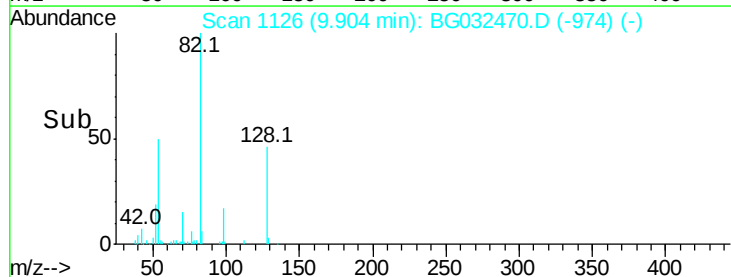
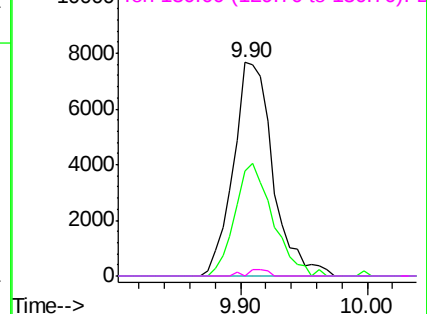
42 49.1 49.1 73.7#

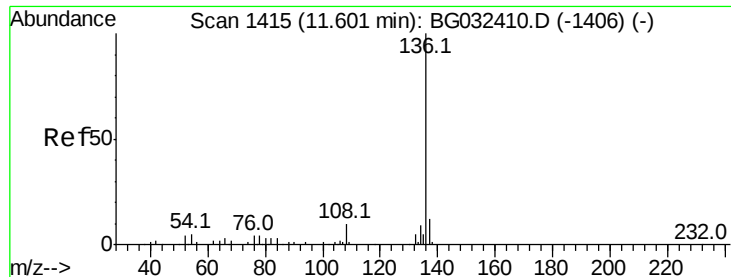
101 0.0 8.5 12.7#

130 0.0 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.59 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BG032470.D

Acq: 31 Jan 2018 18:00

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 110174

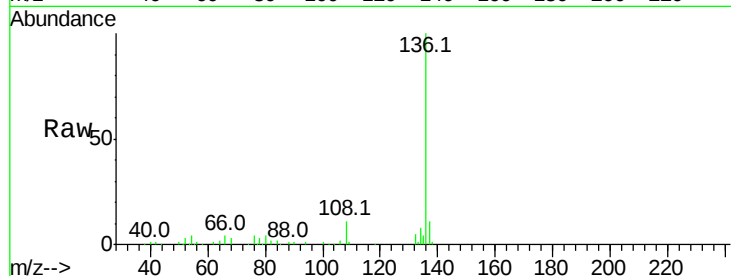
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 3.8 10.3 15.5#

68 2.5 4.5 6.7#

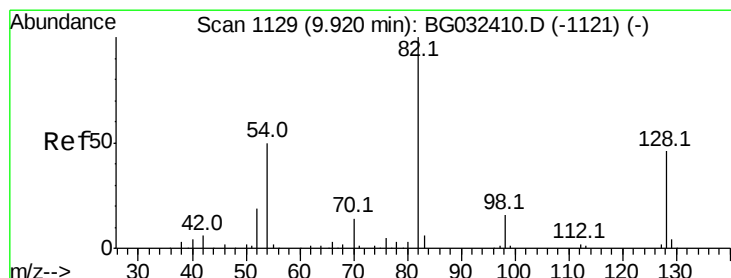
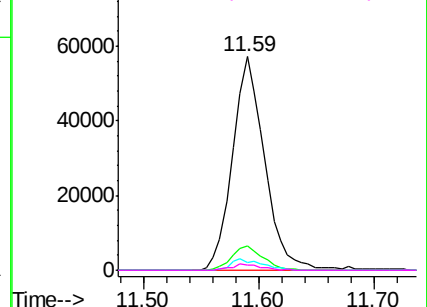
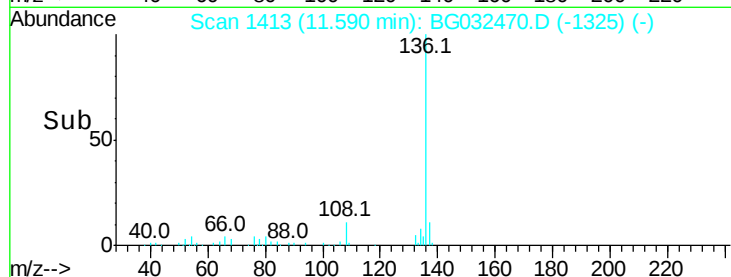


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.600 ng

RT: 9.91 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BG032470.D

Acq: 31 Jan 2018 18:00

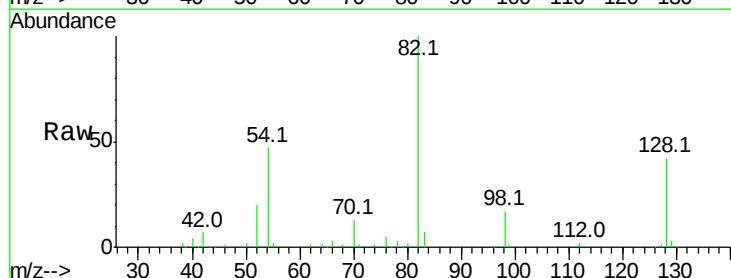
Tgt Ion: 82 Resp: 113948

Ion Ratio Lower Upper

82 100

128 41.5 29.7 44.5

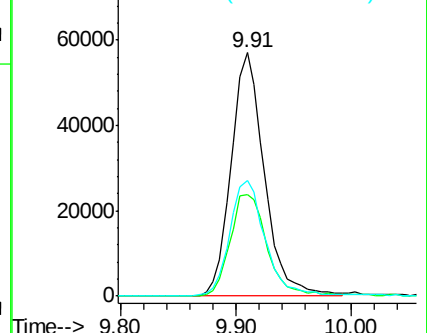
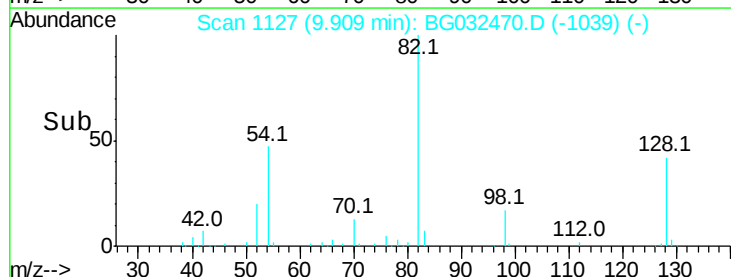
54 47.5 43.1 64.7

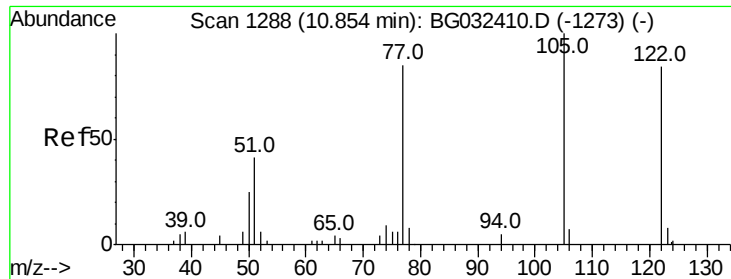


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 7.671 ng

RT: 10.84 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BG032470.D

Acq: 31 Jan 2018 18:00

Instrument :

BNA_G

ClientSampleId :

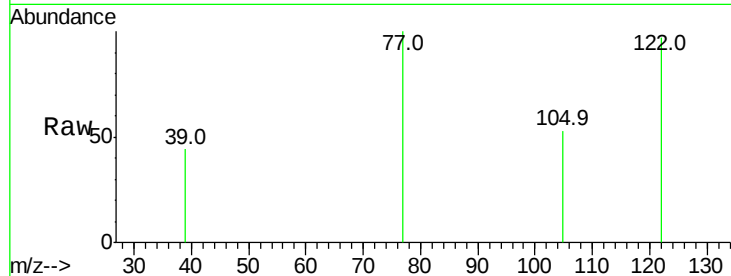
Tot Ion:122 Resp: 504

Ion Ratio Lower Upper

122 100

105 54.5 123.5 163.5#

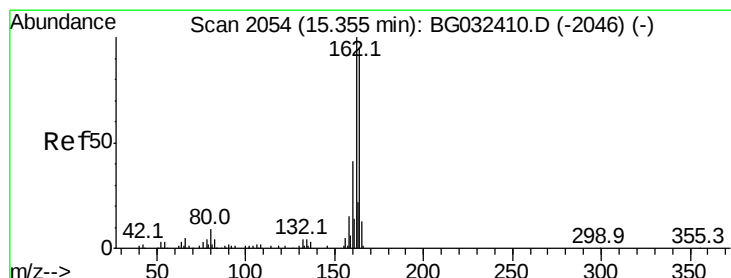
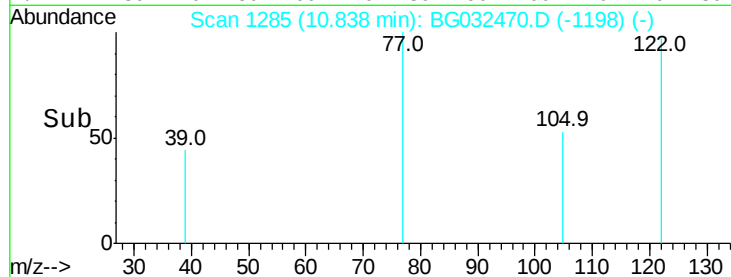
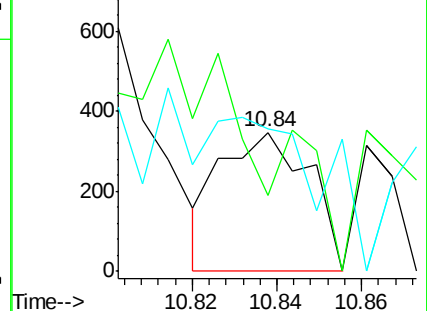
77 102.9 85.7 125.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.35 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BG032470.D

Acq: 31 Jan 2018 18:00

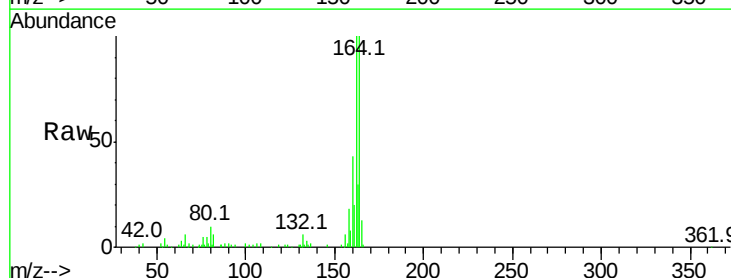
Tgt Ion:164 Resp: 76296

Ion Ratio Lower Upper

164 100

162 99.8 78.8 118.2

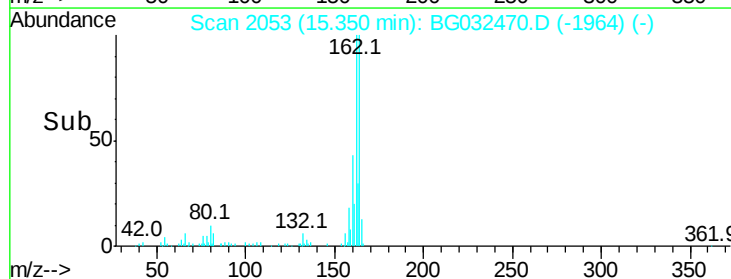
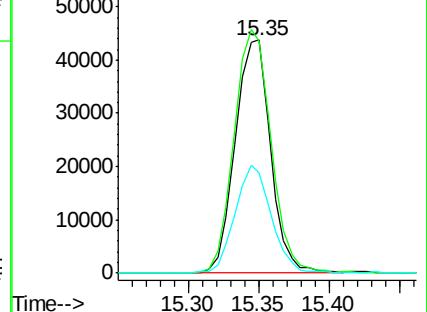
160 43.3 35.4 53.0

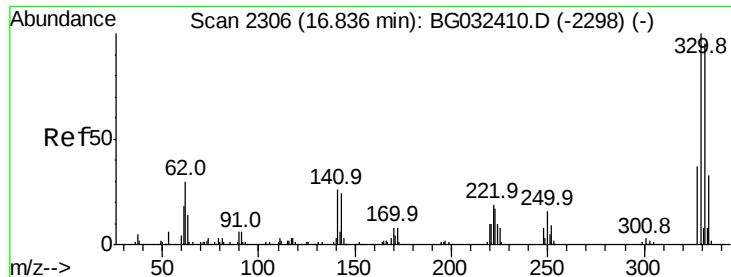


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

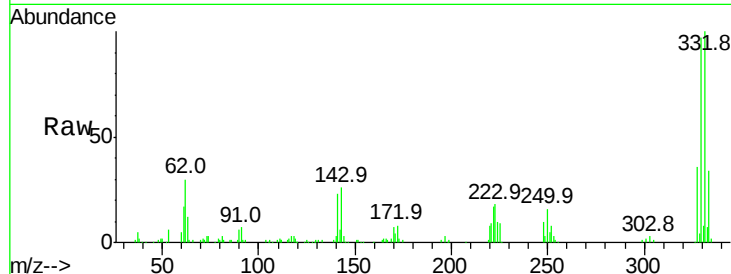




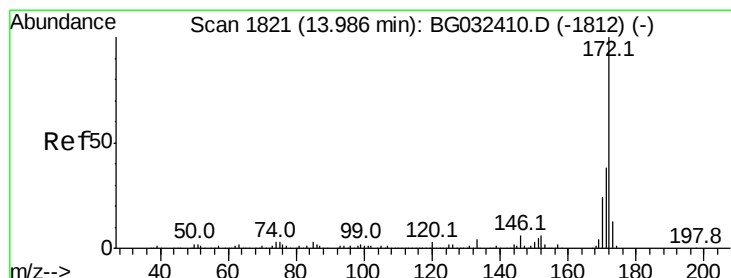
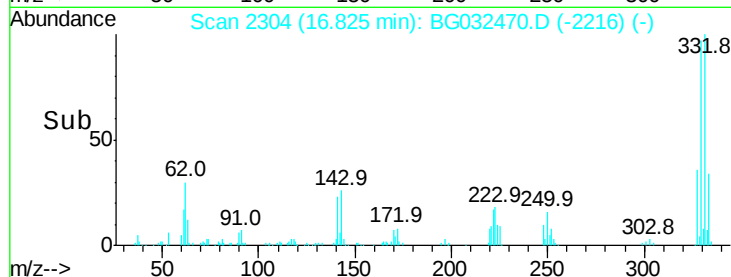
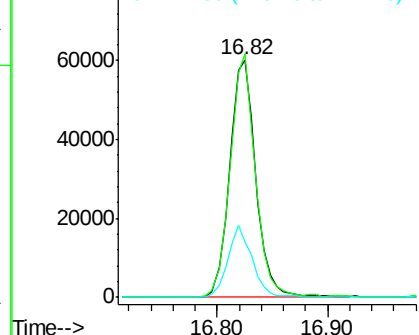
#41
 2,4,6-Tribromophenol
 Concen: 68.775 ng
 RT: 16.82 min Scan# 2304
 Delta R.T. -0.01 min
 Lab File: BG032470.D
 Acq: 31 Jan 2018 18:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 99881
 Ion Ratio Lower Upper
 330 100
 332 98.3 77.0 115.6
 141 28.4 25.2 37.8

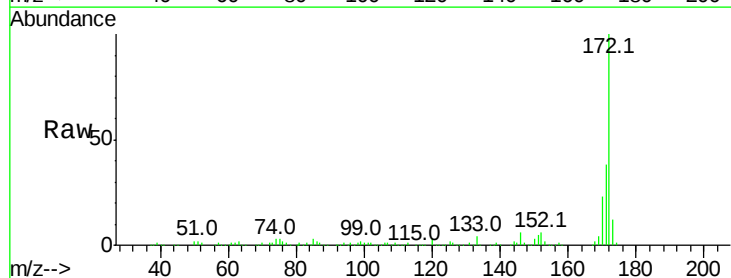


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

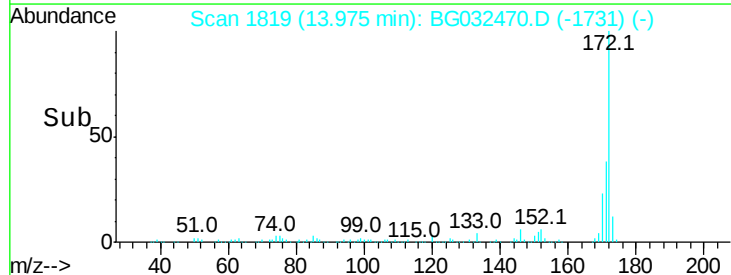
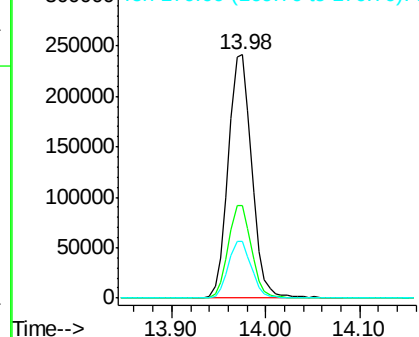


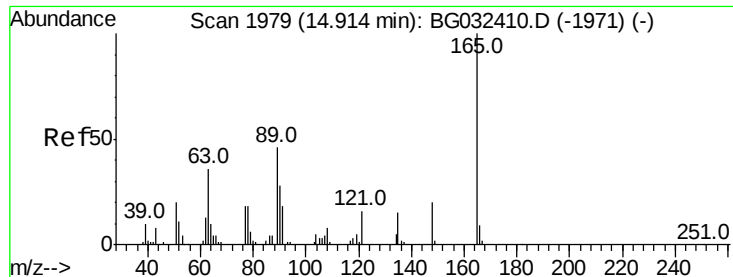
#44
 2-Fluorobiphenyl
 Concen: 65.667 ng
 RT: 13.98 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BG032470.D
 Acq: 31 Jan 2018 18:00

Tgt Ion:172 Resp: 421524
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.0 45.0
 170 23.3 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

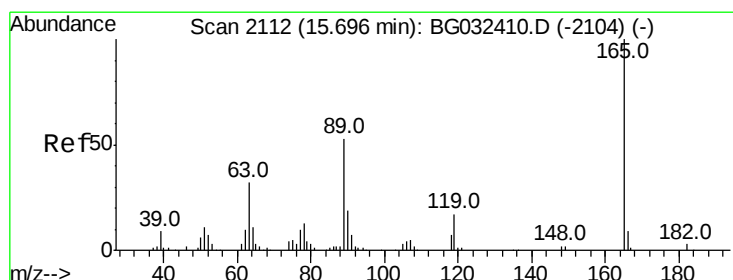
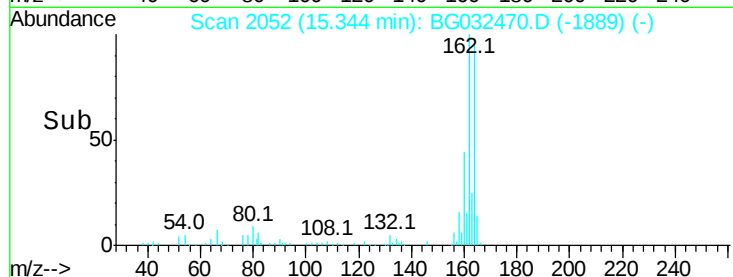
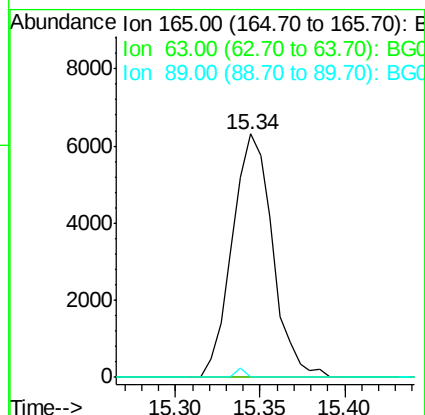
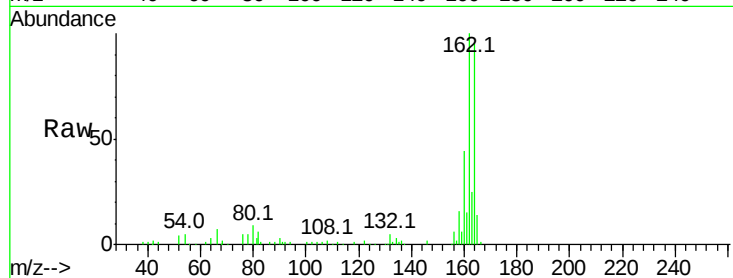




#50
2,6-Dinitrotoluene
Concen: 7.084 ng
RT: 15.34 min Scan# 2052
Delta R.T. 0.43 min
Lab File: BG032470.D
Acq: 31 Jan 2018 18:00

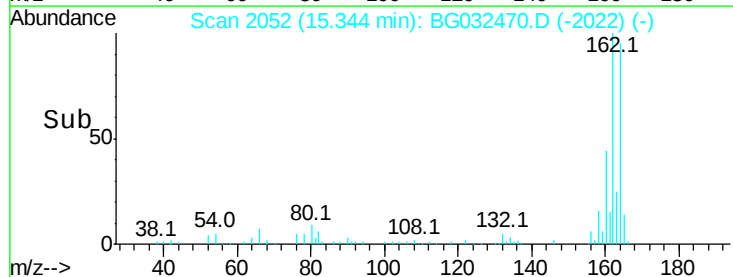
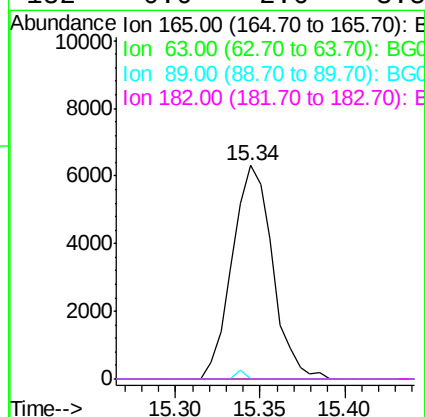
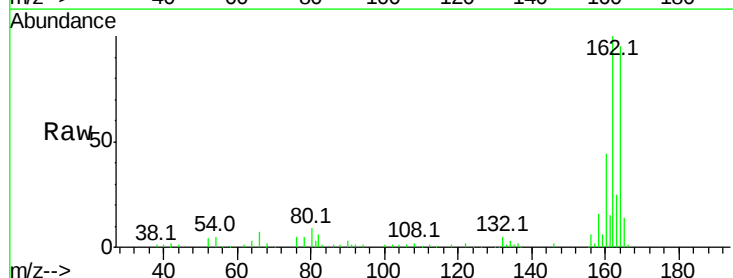
Instrument :
BNA_G
ClientSampleId :

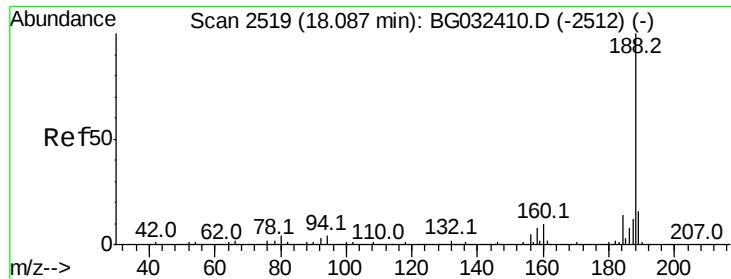
Tot Ion:165 Resp: 10459
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 4.975 ng
RT: 15.34 min Scan# 2052
Delta R.T. -0.35 min
Lab File: BG032470.D
Acq: 31 Jan 2018 18:00

Tgt Ion:165 Resp: 10459
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: 18.08 min Scan# 2517

Delta R.T. -0.01 min

Lab File: BG032470.D

Acq: 31 Jan 2018 18:00

Instrument :

BNA_G

ClientSampleId :

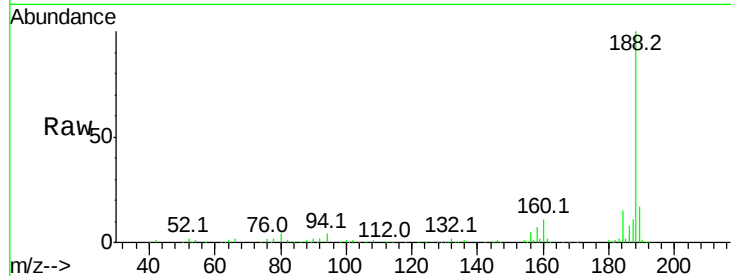
Tot Ion:188 Resp: 217229

Ion Ratio Lower Upper

188 100

94 4.3 6.9 10.3#

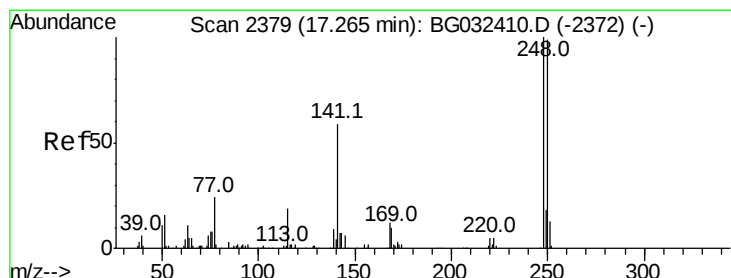
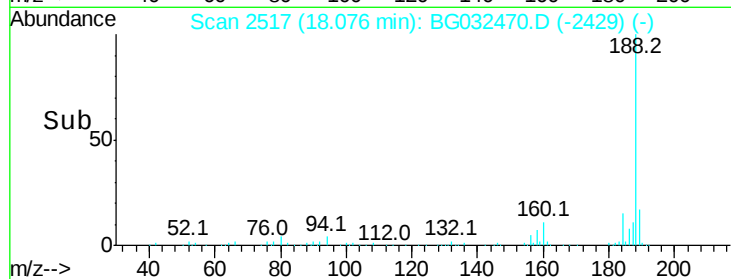
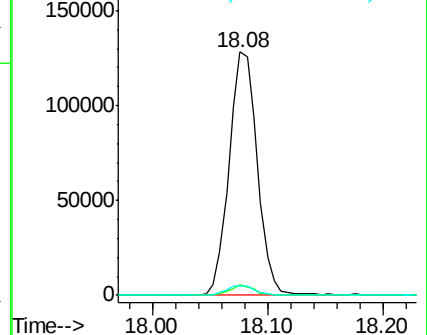
80 4.0 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#66

4-Bromophenyl-phenylether

Concen: 2.838 ng

RT: 16.82 min Scan# 2304

Delta R.T. -0.44 min

Lab File: BG032470.D

Acq: 31 Jan 2018 18:00

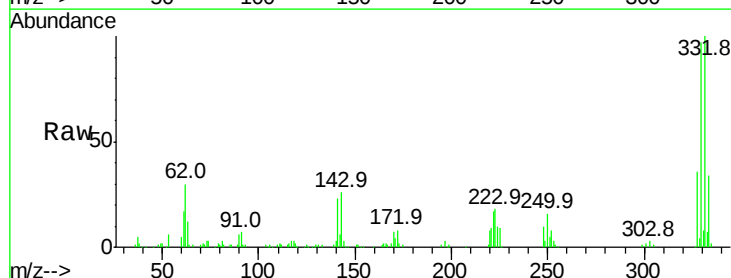
Tgt Ion:248 Resp: 9132

Ion Ratio Lower Upper

248 100

250 156.1 77.1 115.7#

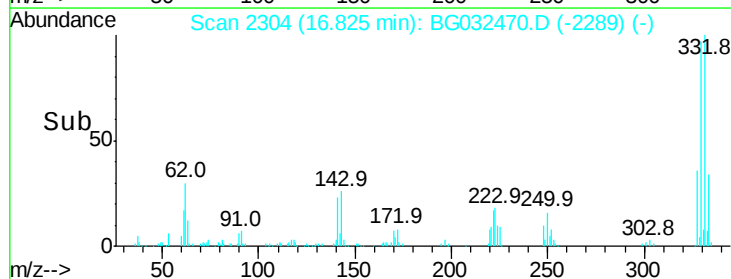
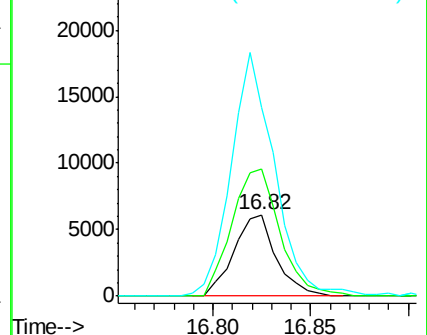
141 231.9 50.8 76.2#

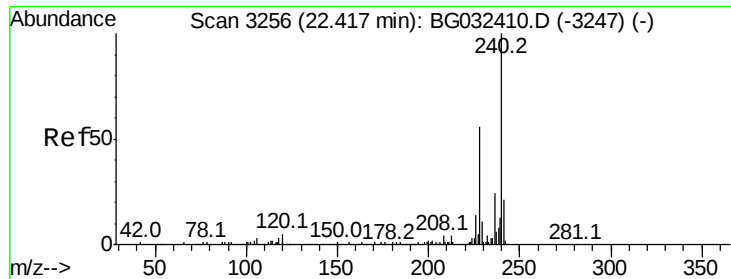


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.41 min Scan# 3254

Delta R.T. -0.01 min

Lab File: BG032470.D

Acq: 31 Jan 2018 18:00

Instrument :

BNA_G

ClientSampleId :

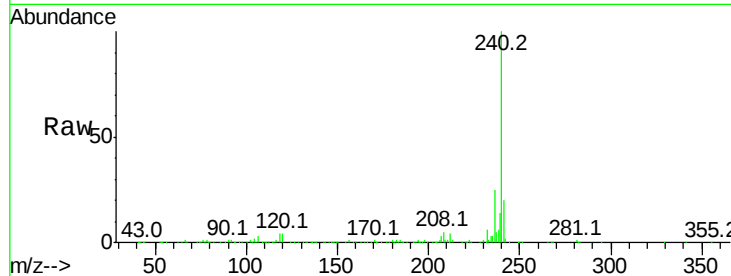
Tot Ion:240 Resp: 274187

Ion Ratio Lower Upper

240 100

120 4.0 6.8 10.2#

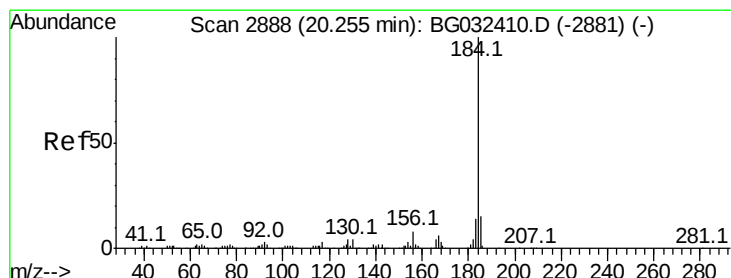
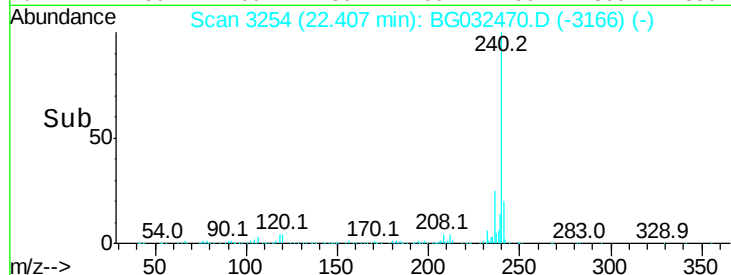
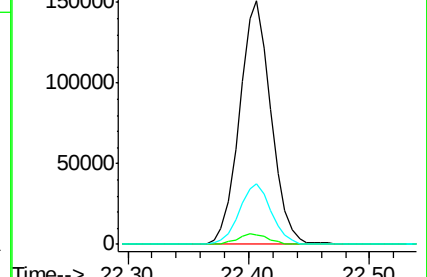
236 24.8 20.9 31.3



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: 2.126 ng

RT: 20.61 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032470.D

Acq: 31 Jan 2018 18:00

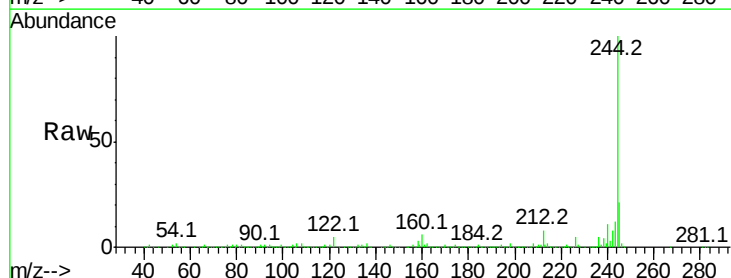
Tgt Ion:184 Resp: 11444

Ion Ratio Lower Upper

184 100

185 15.5 11.1 16.7

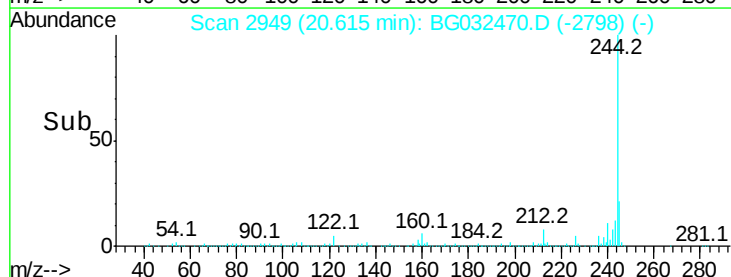
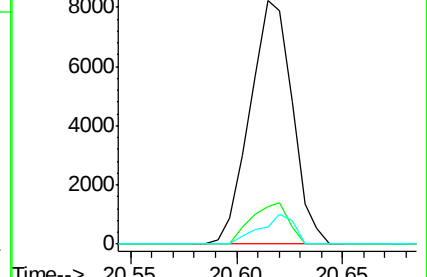
183 6.9 10.6 16.0#

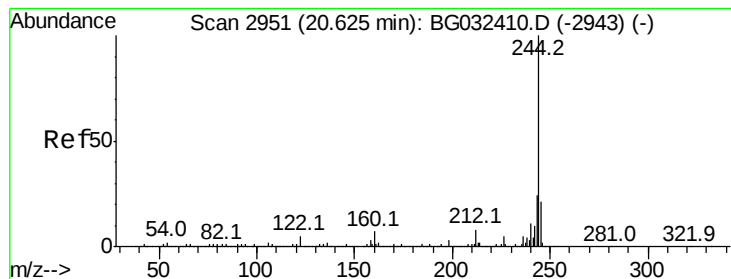


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 65.504 ng

RT: 20.61 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032470.D

Acq: 31 Jan 2018 18:00

Instrument :

BNA_G

ClientSampleId :

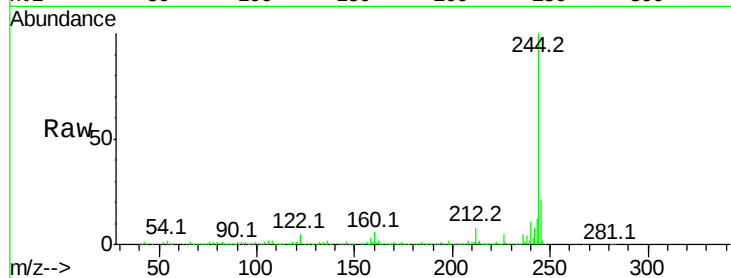
Tot Ion:244 Resp: 838455

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

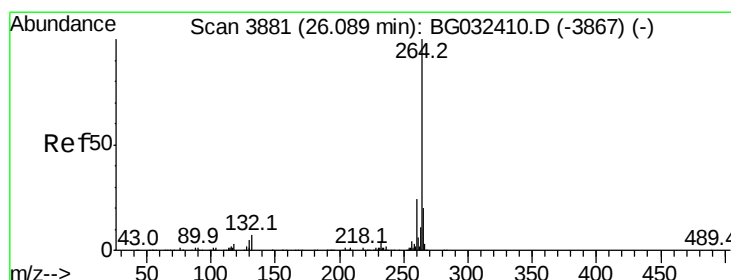
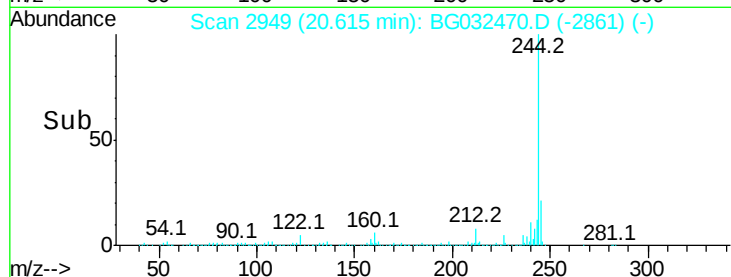
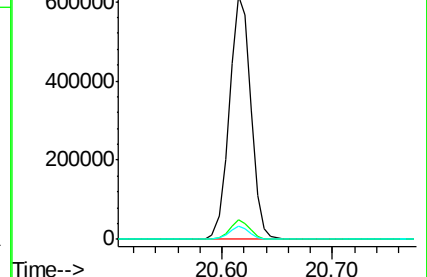
122 5.2 7.0 10.4#



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: 26.08 min Scan# 3880

Delta R.T. -0.00 min

Lab File: BG032470.D

Acq: 31 Jan 2018 18:00

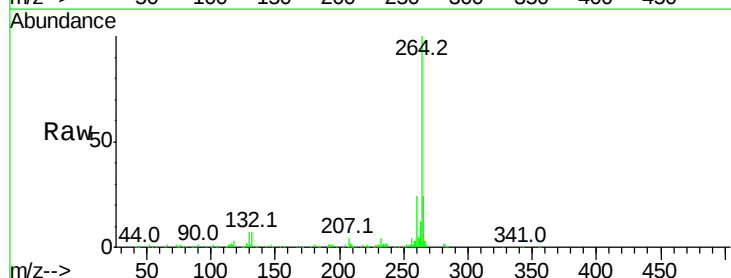
Tgt Ion:264 Resp: 301002

Ion Ratio Lower Upper

264 100

260 24.4 17.4 26.0

265 24.0 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

