

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102618\
 Data File : BG037585.D
 Acq On : 26 Oct 2018 17:51
 Operator : JU/SJ
 Sample : J5649-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DL-05B

Quant Time: Oct 27 03:39:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

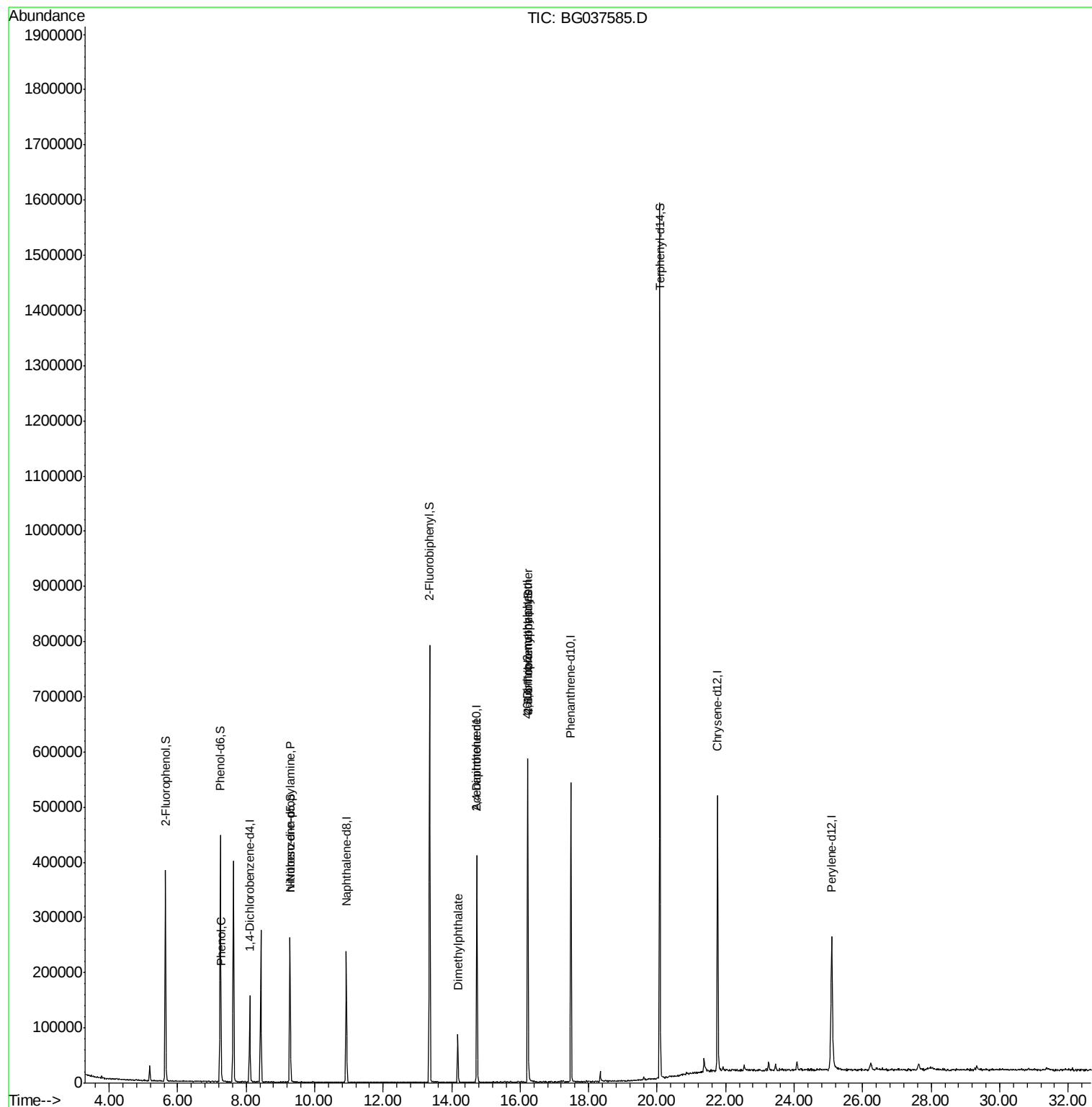
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	46283	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	211230	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	143253	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	345353	20.00	ng	0.00
76) Chrysene-d12	21.76	240	311696	20.00	ng	-0.01
87) Perylene-d12	25.09	264	299575	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	178237	64.38	ng	0.00
7) Phenol-d6	7.24	99	281889	67.34	ng	-0.01
23) Nitrobenzene-d5	9.28	82	164267	43.56	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	110409	70.66	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	427940	45.05	ng	-0.01
79) Terphenyl-d14	20.08	244	769296	52.74	ng	-0.01
Target Compounds						
10) Phenol	7.27	94	20238	4.582	ng	97
19) n-Nitroso-di-n-propylamine	9.27	70	19798	6.868	ng	# 73
50) Dimethylphthalate	14.18	163	63156	5.699	ng	98
57) 2,4-Dinitrotoluene	14.73	165	18858	5.860	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.21	198	299	8.643	ng	# 1
67) 4-Bromophenyl-phenylether	16.22	248	8093	2.134	ng	# 1

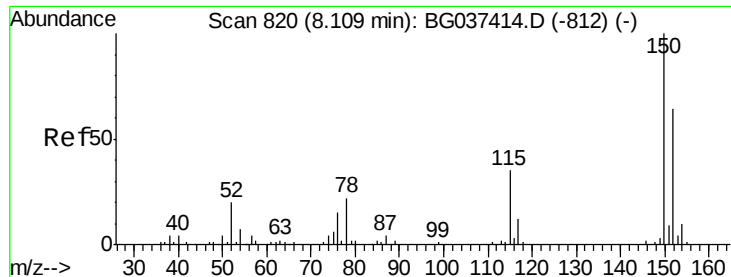
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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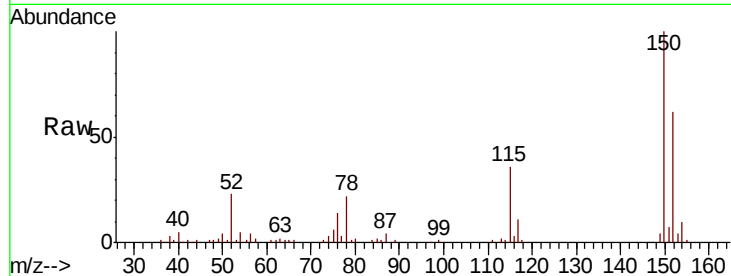


#1

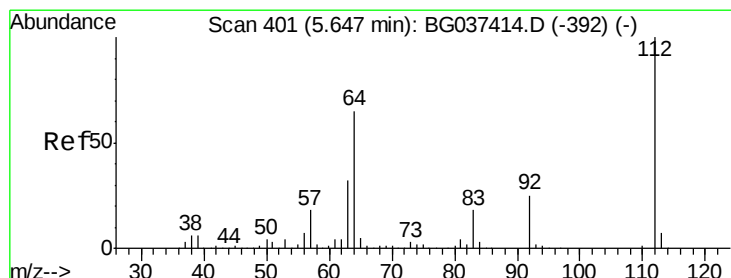
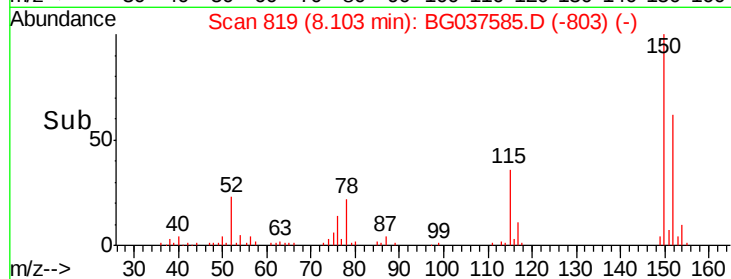
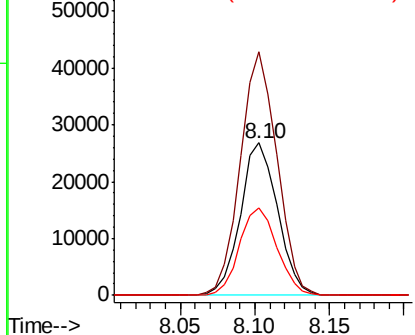
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037585.D
Acq: 26 Oct 2018 17:51

Instrument :
BNA_G
ClientSampleId :
DL-05B

Tot Ion:152 Resp: 46283
Ion Ratio Lower Upper
152 100
150 160.1 126.0 189.0
115 57.5 45.5 68.3



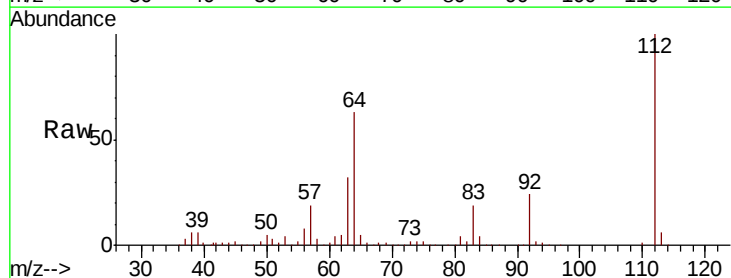
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



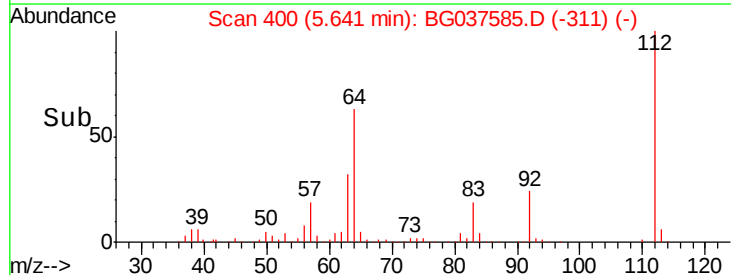
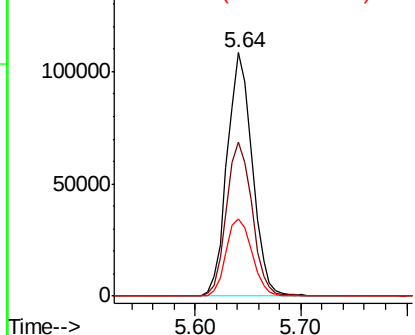
#5

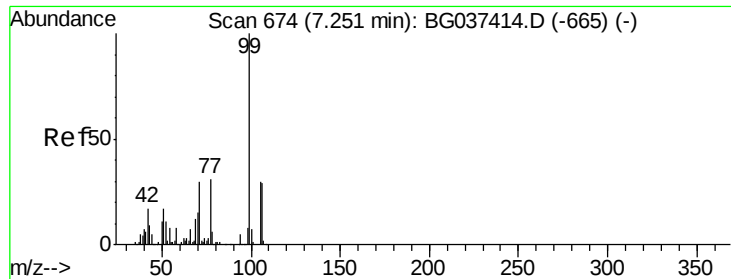
2-Fluorophenol
Concen: 64.383 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037585.D
Acq: 26 Oct 2018 17:51

Tgt Ion:112 Resp: 178237
Ion Ratio Lower Upper
112 100
64 63.1 53.1 79.7
63 31.6 27.3 40.9



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: 67.339 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037585.D

Acq: 26 Oct 2018 17:51

Instrument :

BNA_G

ClientSampleId :

DL-05B

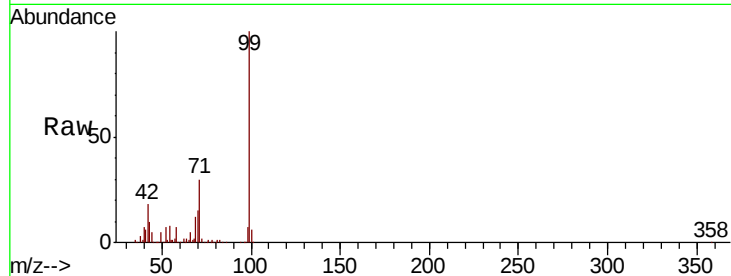
Tot Ion: 99 Resp: 281889

Ion Ratio Lower Upper

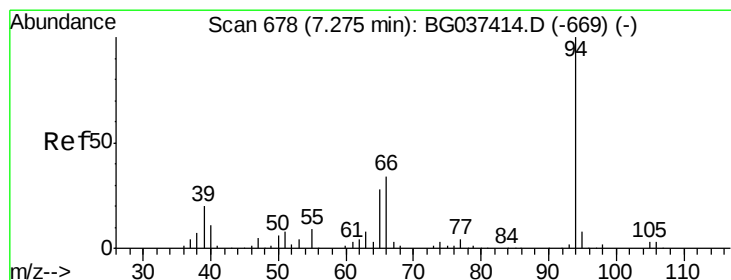
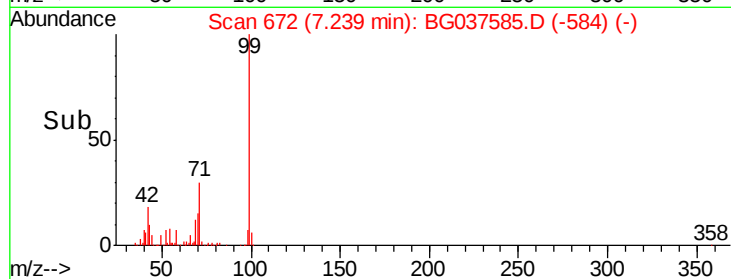
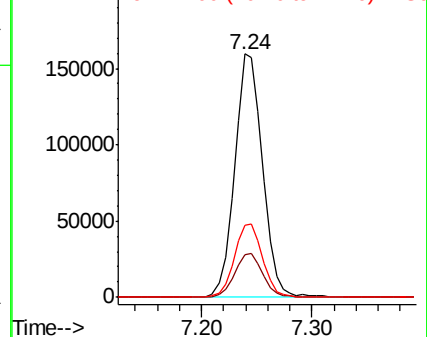
99 100

42 17.7 15.0 22.4

71 29.7 25.5 38.3



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



#10

Phenol

Concen: 4.582 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037585.D

Acq: 26 Oct 2018 17:51

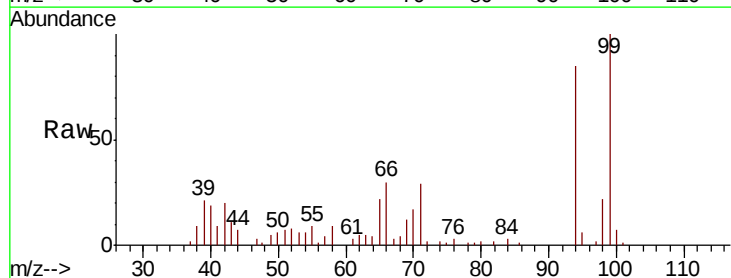
Tgt Ion: 94 Resp: 20238

Ion Ratio Lower Upper

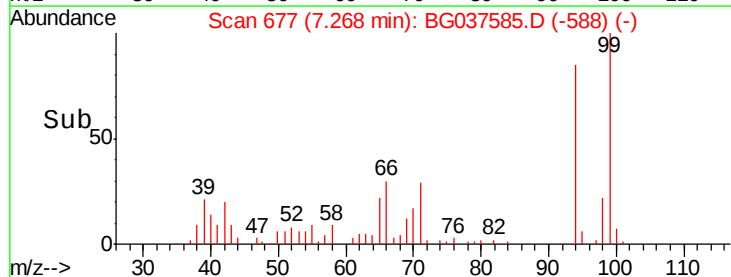
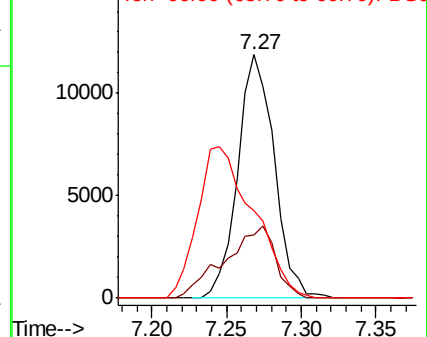
94 100

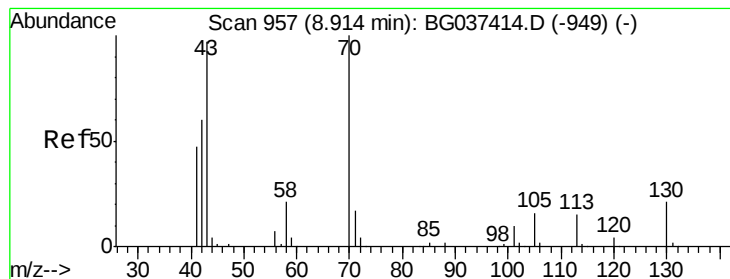
65 26.2 9.7 49.7

66 35.8 15.9 55.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 6.868 ng

RT: 9.27 min Scan# 1018

Delta R.T. 0.36 min

Lab File: BG037585.D

Acq: 26 Oct 2018 17:51

Instrument :

BNA_G

ClientSampleId :

DL-05B

Tot Ion: 70 Resp: 19798

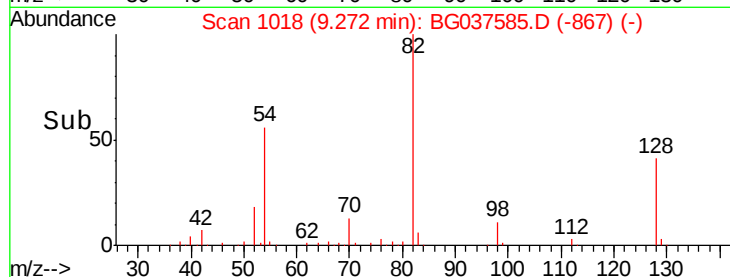
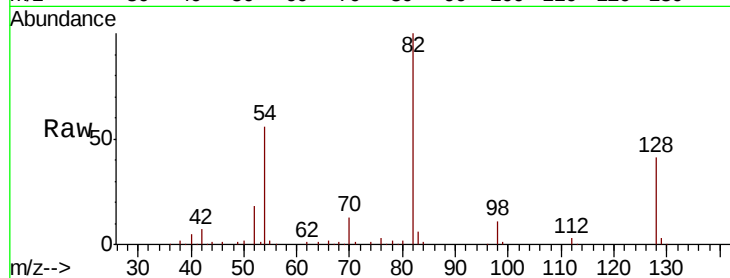
Ion Ratio Lower Upper

70 100

42 49.8 53.9 80.9#

101 0.0 8.2 12.2#

130 3.0 18.2 27.4#

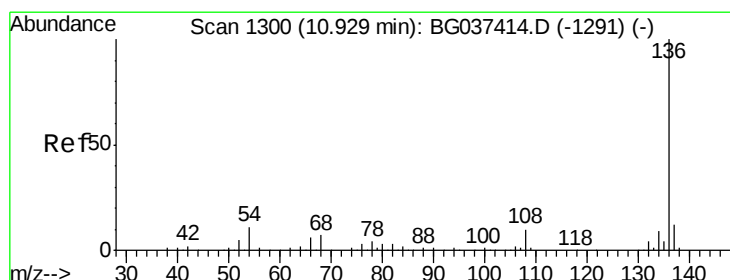
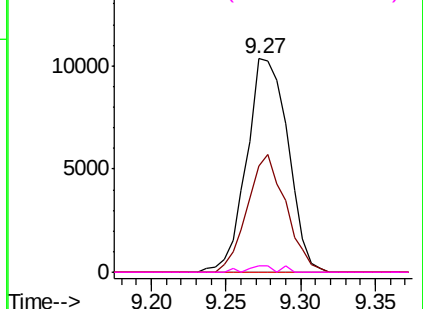


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.92 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BG037585.D

Acq: 26 Oct 2018 17:51

Tgt Ion: 136 Resp: 211230

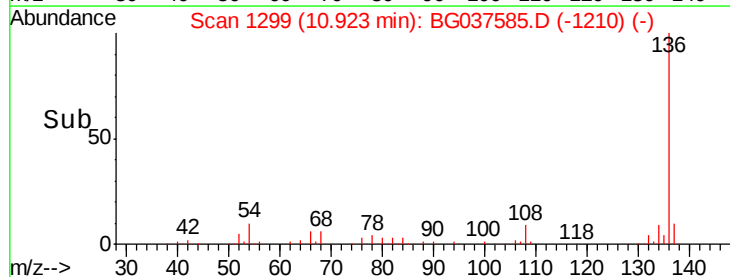
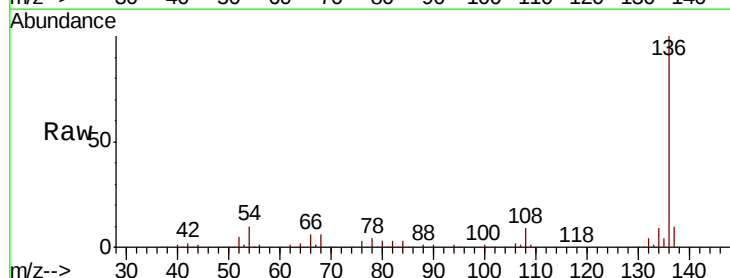
Ion Ratio Lower Upper

136 100

137 10.3 9.6 14.4

54 9.8 7.9 11.9

68 6.3 4.8 7.2

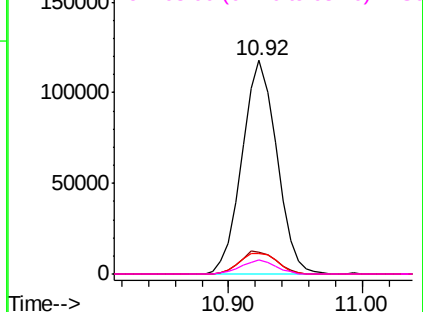


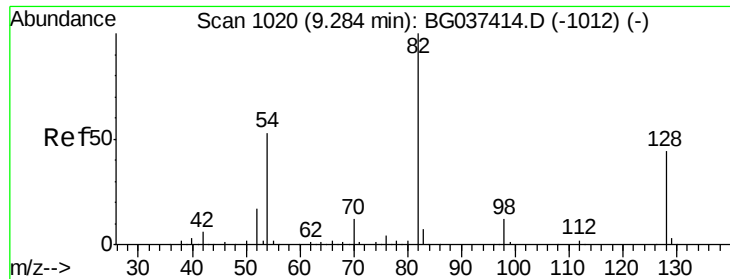
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

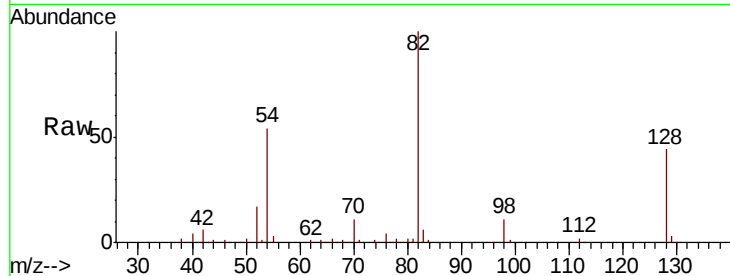




#23
 Nitrobenzene-d5
 Concen: 43.564 ng
 RT: 9.28 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BG037585.D
 Acq: 26 Oct 2018 17:51

Instrument :
 BNA_G
 ClientSampled :
 DL-05B

Tot Ion	82	Resp	164267
Ion Ratio	Lower	Upper	
82	100		
128	44.2	34.6	51.8
54	54.1	45.3	67.9

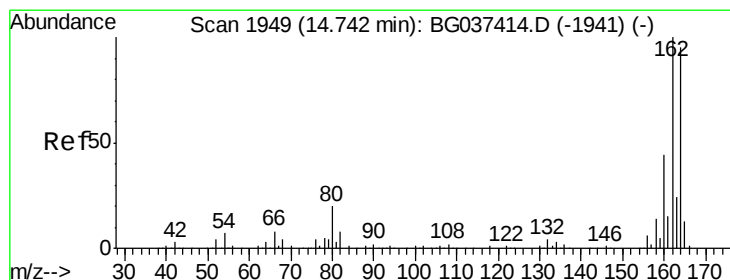
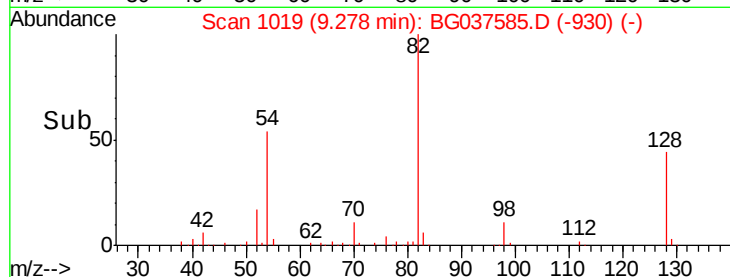
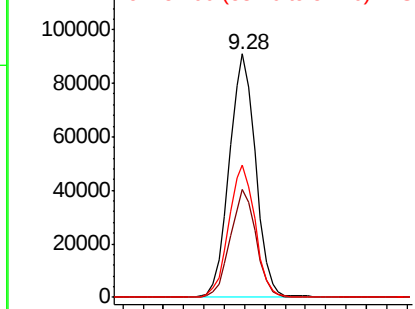


Abundance

Ion 82.00 (81.70 to 82.70): BGC

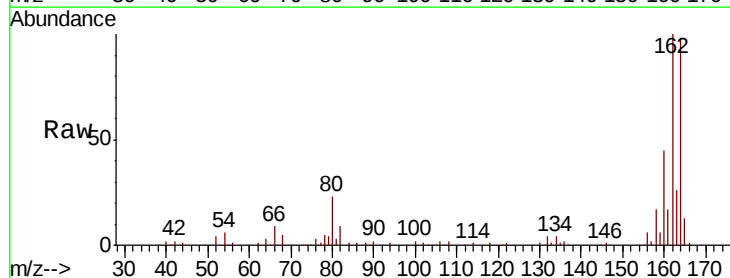
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.74 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BG037585.D
 Acq: 26 Oct 2018 17:51

Tgt Ion	164	Resp	143253
Ion Ratio	Lower	Upper	
164	100		
162	101.8	81.3	121.9
160	46.0	36.3	54.5

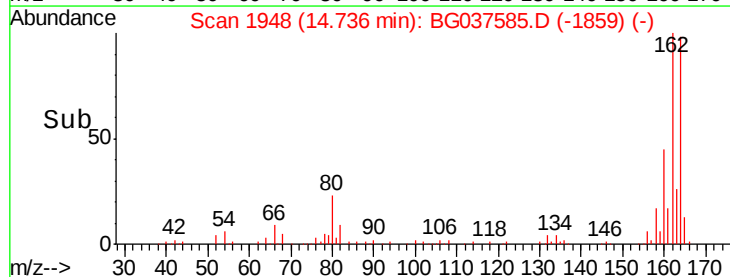
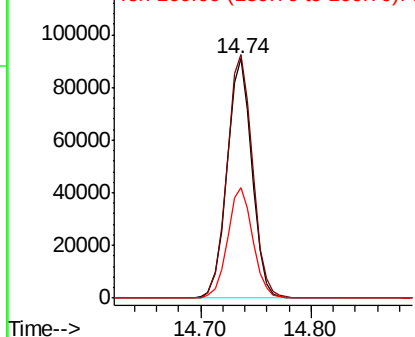


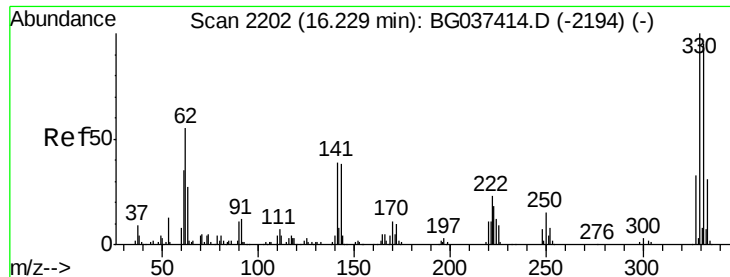
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 70.664 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037585.D

Acq: 26 Oct 2018 17:51

Instrument :

BNA_G

ClientSampleId :

DL-05B

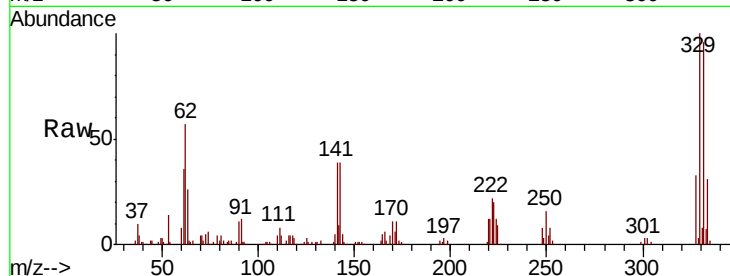
Tot Ion:330 Resp: 110409

Ion Ratio Lower Upper

330 100

332 94.6 78.4 117.6

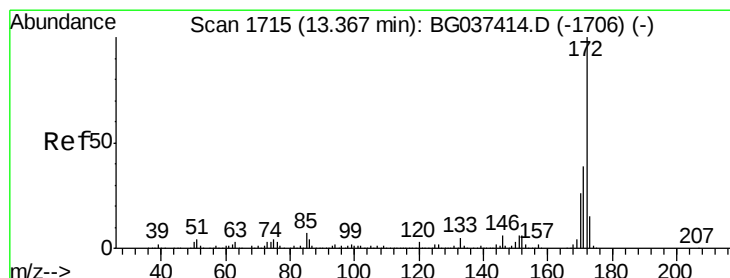
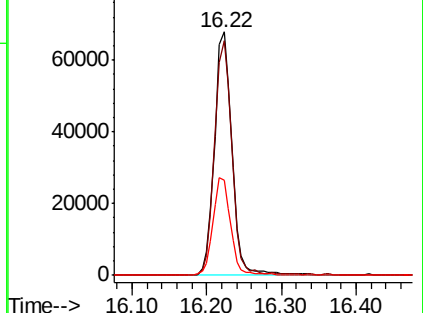
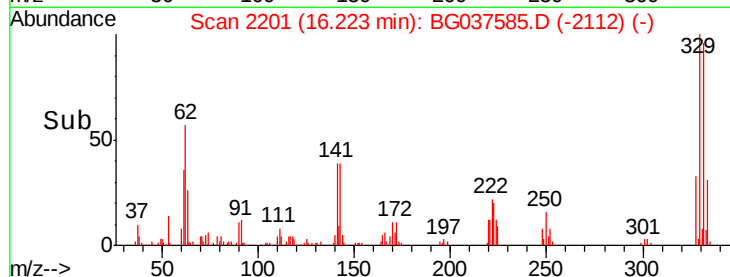
141 39.5 32.2 48.2



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



#45

2-Fluorobiphenyl

Concen: 45.047 ng

RT: 13.36 min Scan# 1713

Delta R.T. -0.01 min

Lab File: BG037585.D

Acq: 26 Oct 2018 17:51

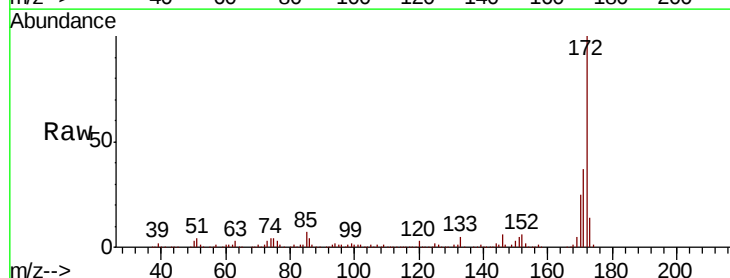
Tgt Ion:172 Resp: 427940

Ion Ratio Lower Upper

172 100

171 37.3 31.0 46.4

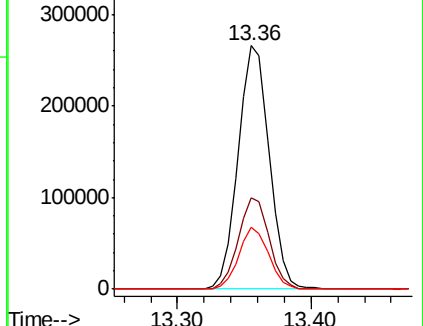
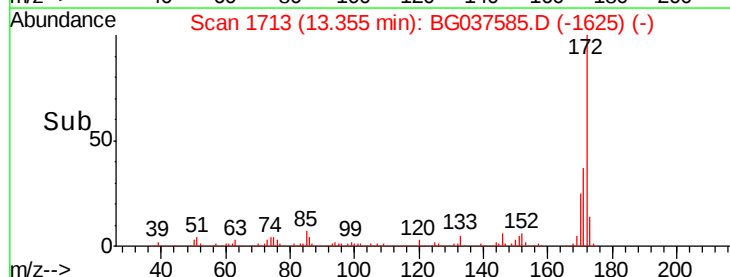
170 25.4 20.2 30.2

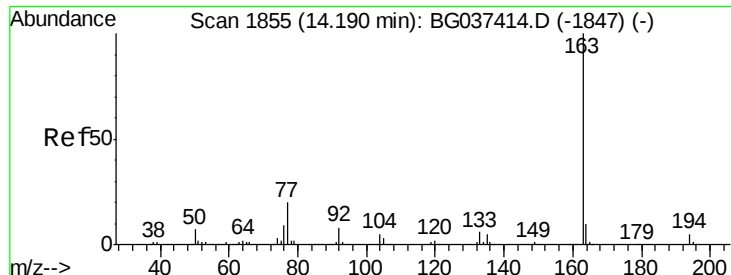


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.699 ng

RT: 14.18 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BG037585.D

Acq: 26 Oct 2018 17:51

Instrument :

BNA_G

ClientSampleId :

DL-05B

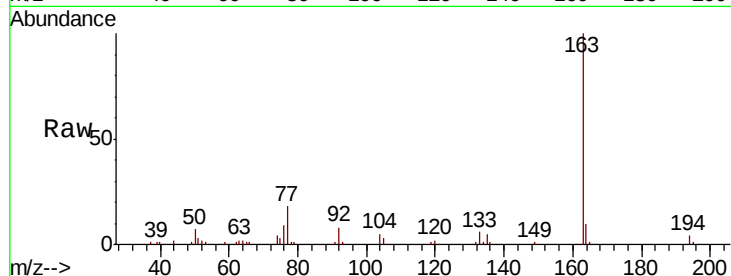
Tot Ion:163 Resp: 63156

Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

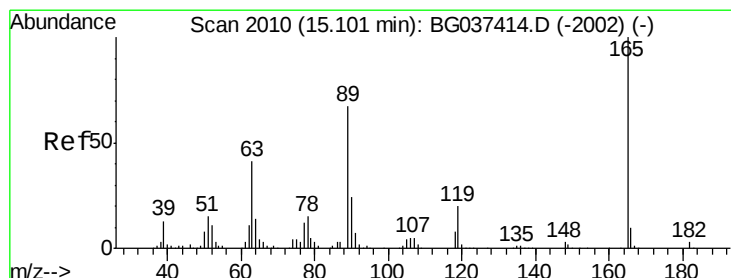
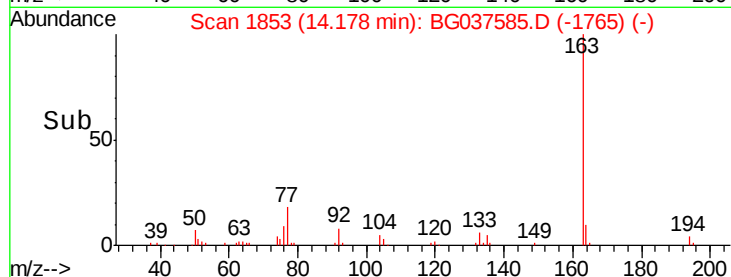
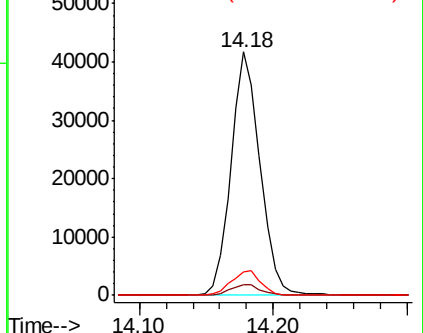
164 9.8 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.860 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.37 min

Lab File: BG037585.D

Acq: 26 Oct 2018 17:51

Tgt Ion:165 Resp: 18858

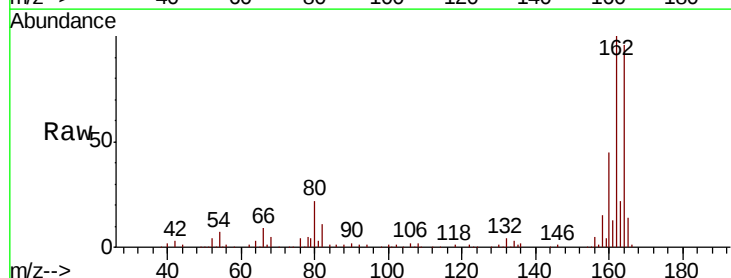
Ion Ratio Lower Upper

165 100

63 0.0 33.4 50.0#

89 0.0 57.2 85.8#

182 0.0 2.6 4.0#

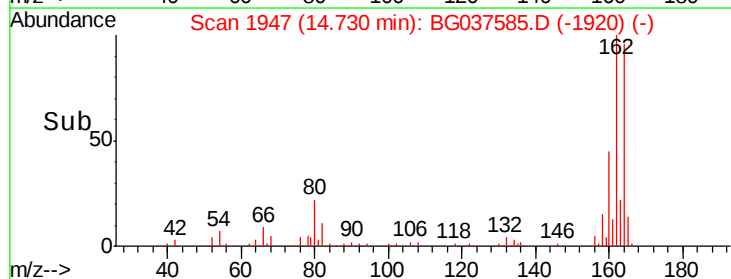
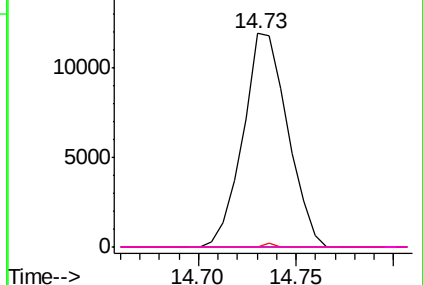


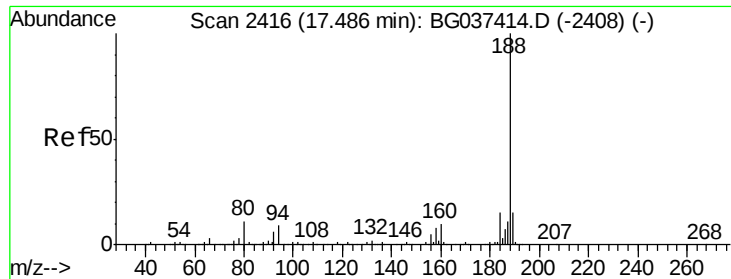
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BG037585.D

Acq: 26 Oct 2018 17:51

Instrument :

BNA_G

ClientSampleId :

DL-05B

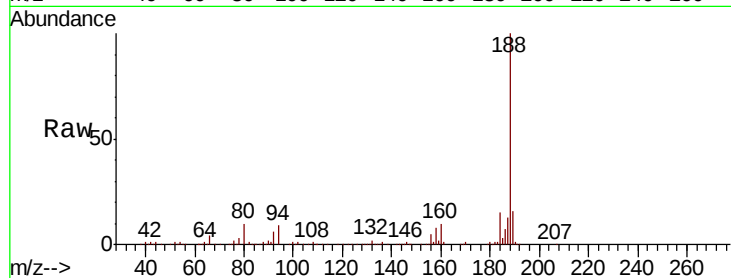
Tot Ion:188 Resp: 345353

Ion Ratio Lower Upper

188 100

94 9.5 7.2 10.8

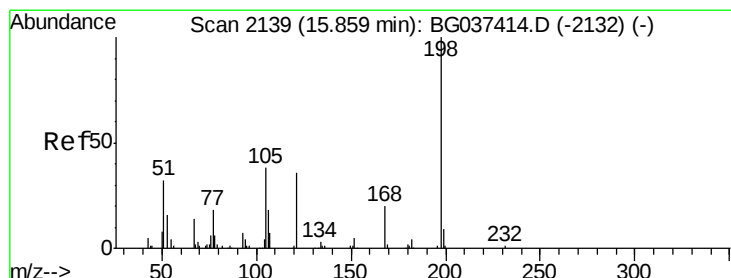
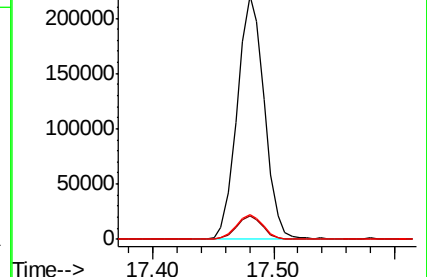
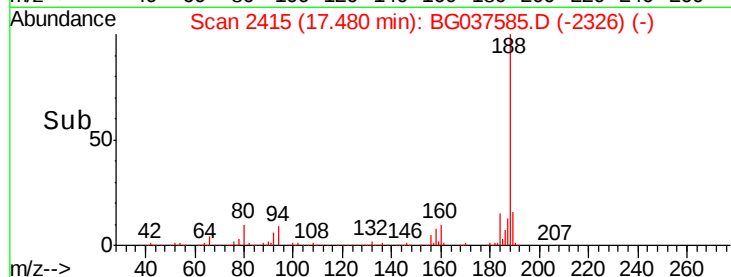
80 10.1 7.7 11.5



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.643 ng

RT: 16.21 min Scan# 2199

Delta R.T. 0.35 min

Lab File: BG037585.D

Acq: 26 Oct 2018 17:51

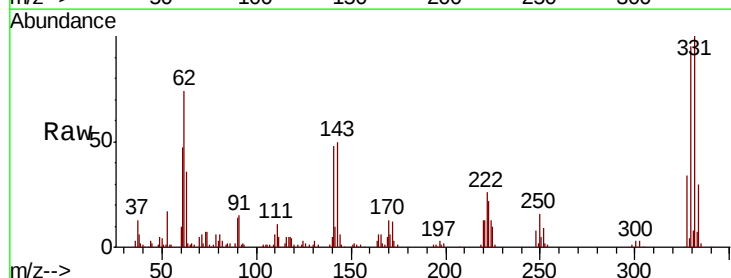
Tgt Ion:198 Resp: 299

Ion Ratio Lower Upper

198 100

51 108.6 22.7 62.7#

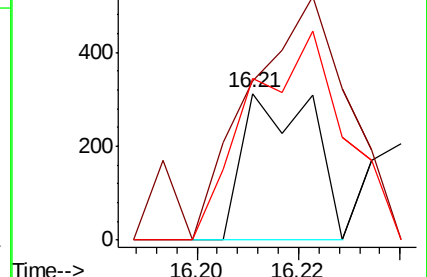
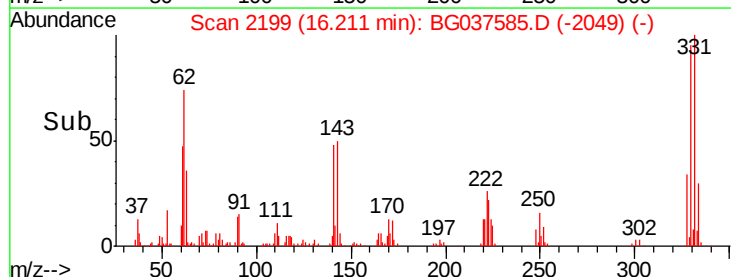
105 109.9 19.7 59.7#

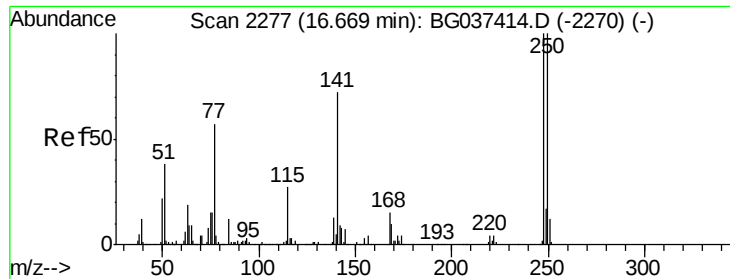


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 2.134 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.45 min

Lab File: BG037585.D

Acq: 26 Oct 2018 17:51

Instrument :

BNA_G

ClientSampleId :

DL-05B

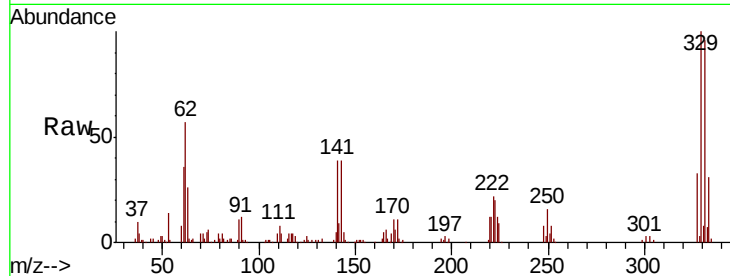
Tot Ion:248 Resp: 8093

Ion Ratio Lower Upper

248 100

250 187.7 77.0 115.6#

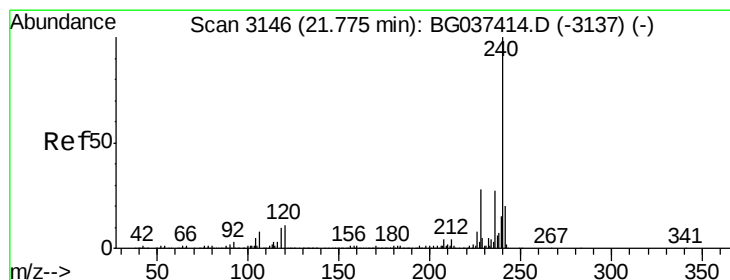
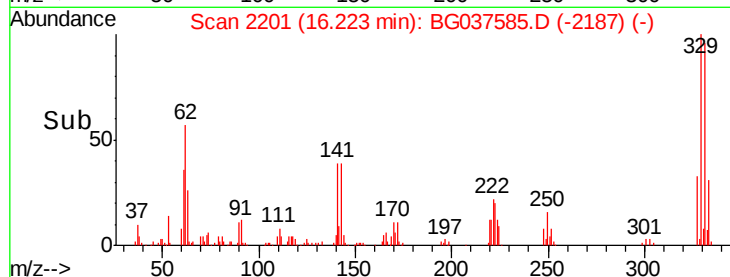
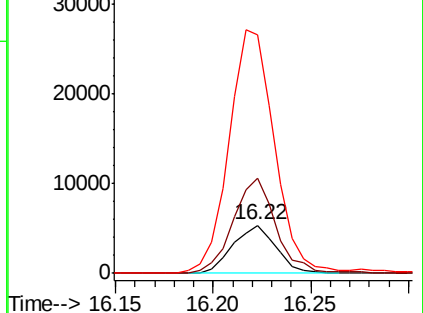
141 370.9 55.5 83.3#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG037585.D

Acq: 26 Oct 2018 17:51

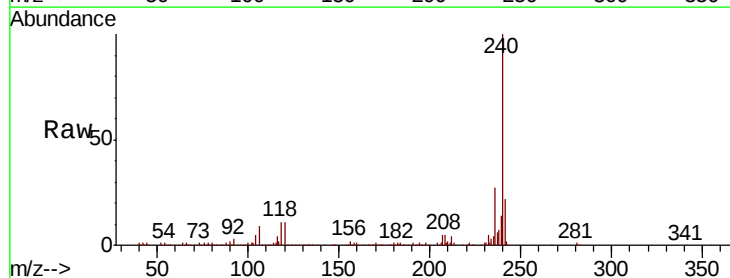
Tgt Ion:240 Resp: 311696

Ion Ratio Lower Upper

240 100

120 11.5 8.1 12.1

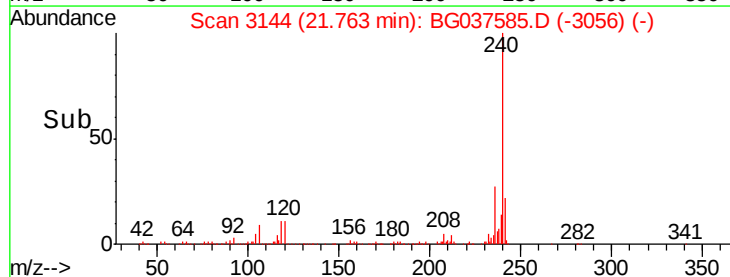
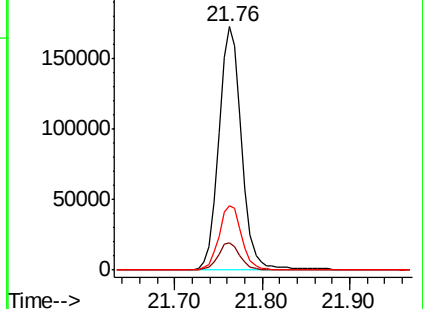
236 26.6 21.4 32.0

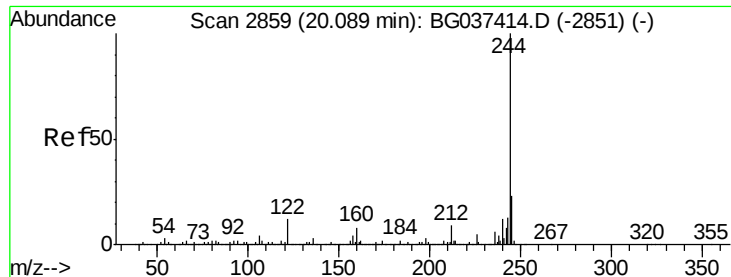


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 52.737 ng

RT: 20.08 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BG037585.D

Acq: 26 Oct 2018 17:51

Instrument :

BNA_G

ClientSampleId :

DL-05B

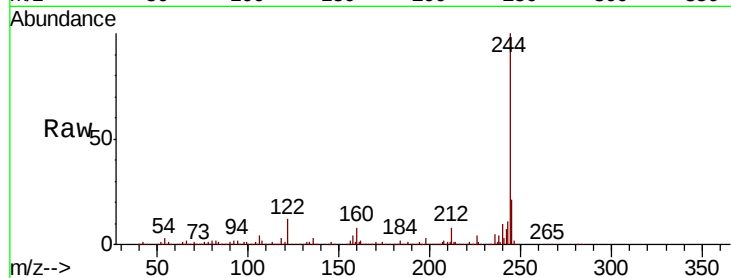
Tot Ion:244 Resp: 769296

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

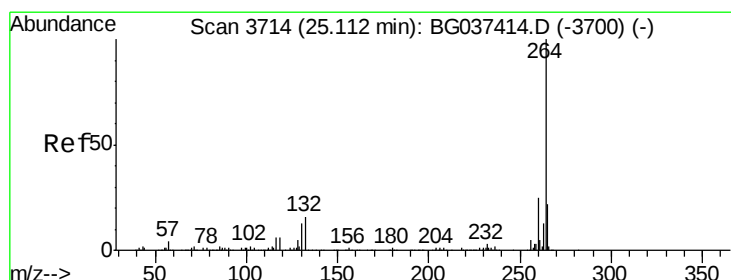
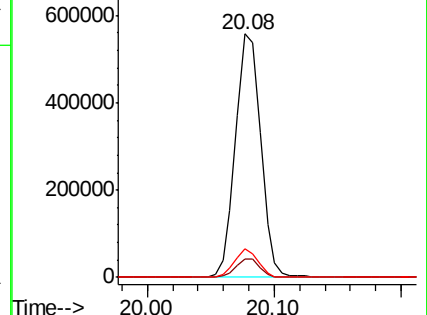
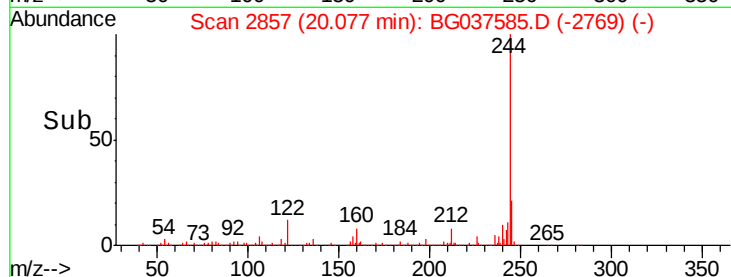
122 11.6 9.0 13.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3711

Delta R.T. -0.02 min

Lab File: BG037585.D

Acq: 26 Oct 2018 17:51

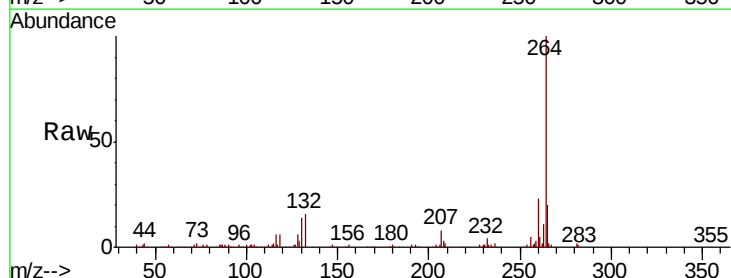
Tgt Ion:264 Resp: 299575

Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.4

265 20.0 17.9 26.9



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

