

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102318\
 Data File : BG037483.D
 Acq On : 23 Oct 2018 19:29
 Operator : JU/SJ
 Sample : J5621-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 24 04:19:02 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

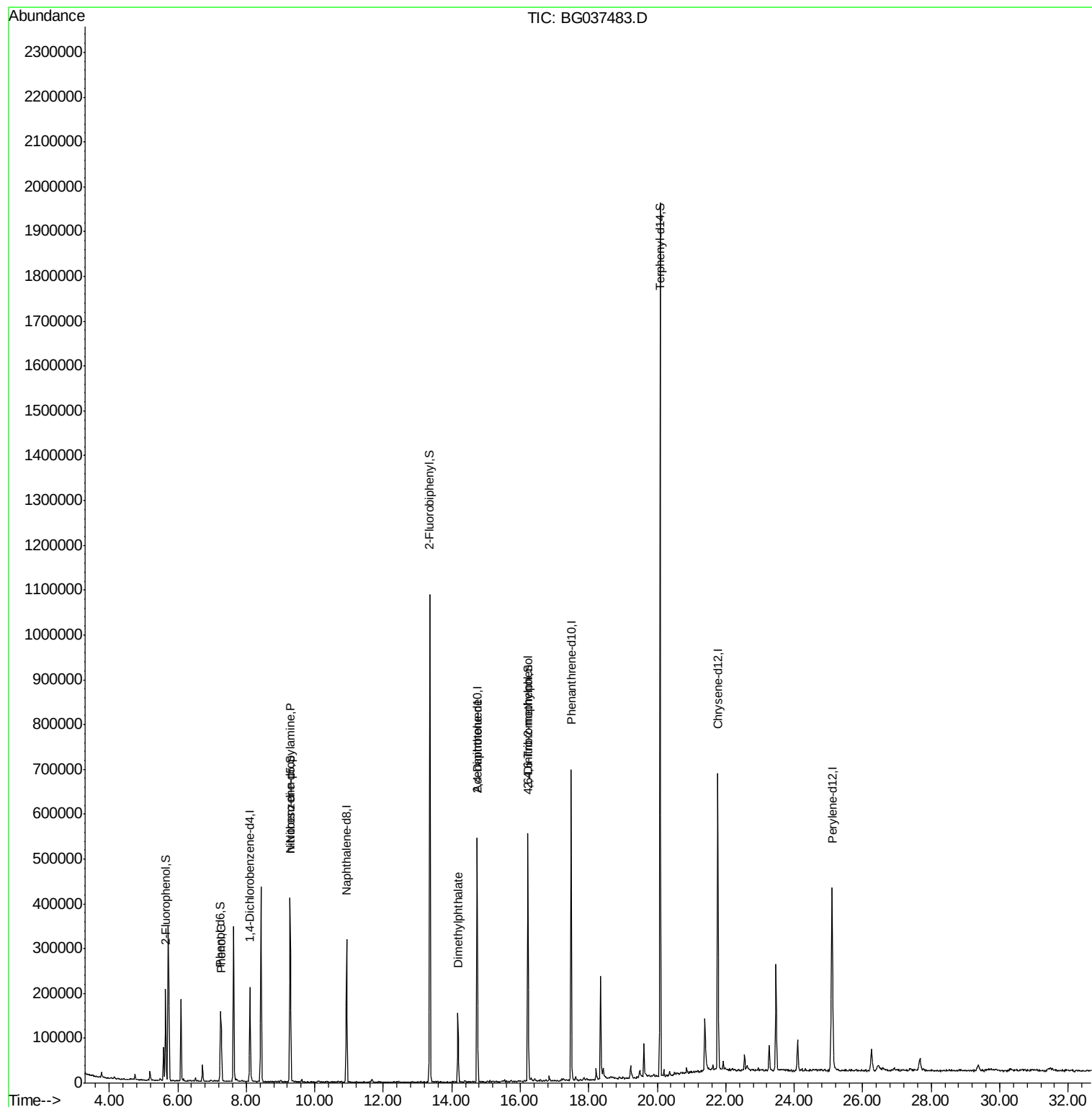
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	63708	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	285247	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	190936	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	451621	20.00	ng	0.00
76) Chrysene-d12	21.77	240	407876	20.00	ng	0.00
87) Perylene-d12	25.10	264	414670	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	95057	24.95	ng	0.00
7) Phenol-d6	7.24	99	91934	15.95	ng	0.00
23) Nitrobenzene-d5	9.28	82	251509	49.39	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	99030	47.55	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	605137	47.79	ng	0.00
79) Terphenyl-d14	20.09	244	932507	48.85	ng	0.00
Target Compounds						
10) Phenol	7.27	94	79510	13.078	ng	98
19) n-Nitroso-di-n-propylamine	9.28	70	31145	7.849	ng	# 78
50) Dimethylphthalate	14.18	163	108736	7.361	ng	99
57) 2,4-Dinitrotoluene	14.74	165	24932	5.813	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.21	198	64	8.530	ng	91

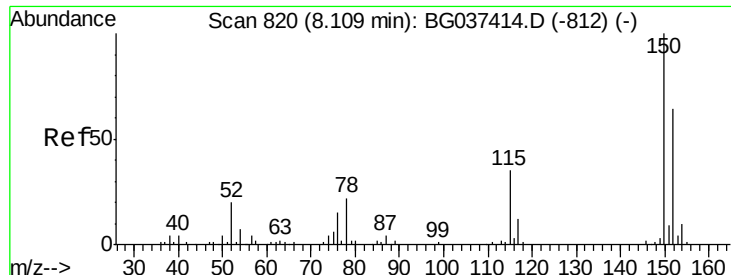
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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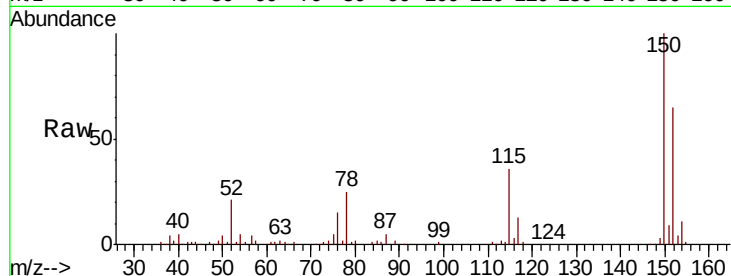


#1

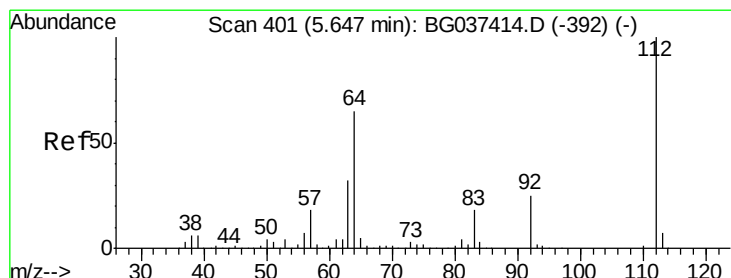
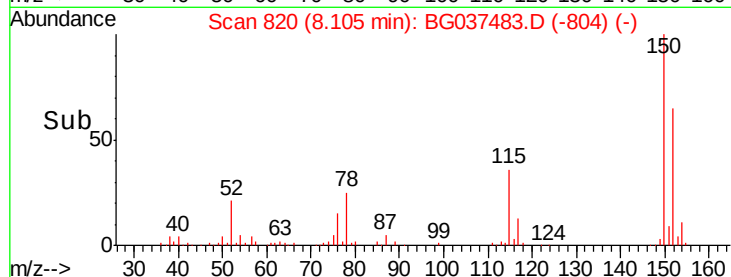
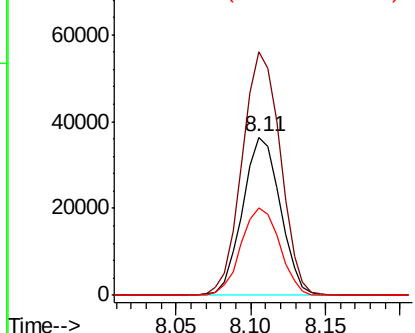
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037483.D
Acq: 23 Oct 2018 19:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 63708
Ion Ratio Lower Upper
152 100
150 153.8 126.0 189.0
115 55.2 45.5 68.3



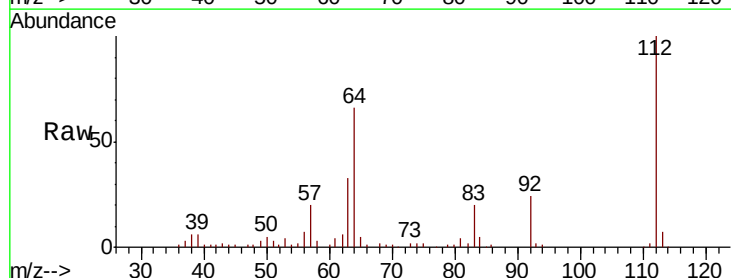
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



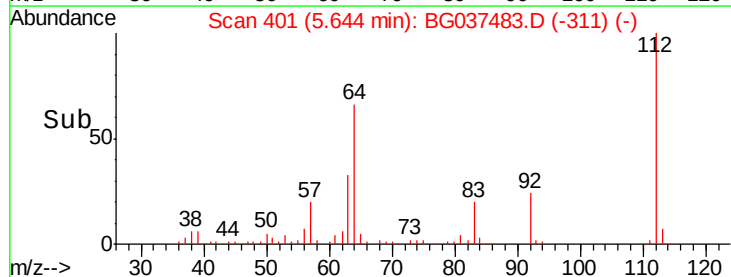
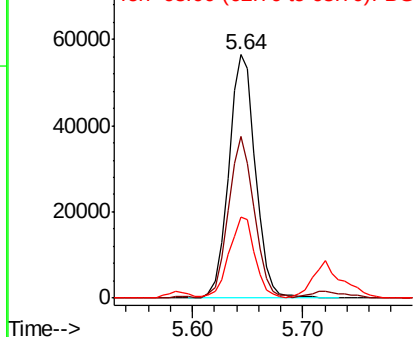
#5

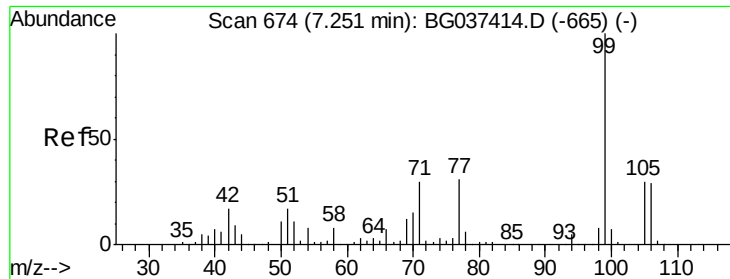
2-Fluorophenol
Concen: 24.945 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037483.D
Acq: 23 Oct 2018 19:29

Tgt Ion:112 Resp: 95057
Ion Ratio Lower Upper
112 100
64 66.3 53.1 79.7
63 33.2 27.3 40.9



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





#7

Phenol-d6

Concen: 15.955 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037483.D

Acq: 23 Oct 2018 19:29

Instrument :

BNA_G

ClientSampleId :

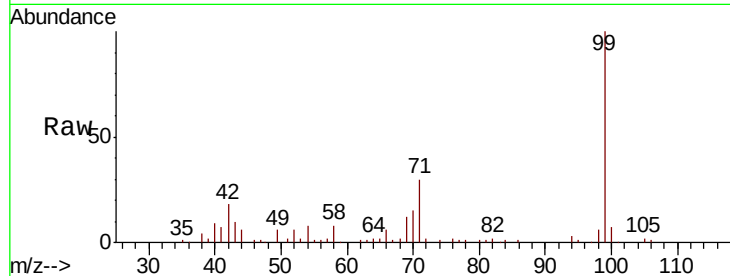
Tot Ion: 99 Resp: 91934

Ion Ratio Lower Upper

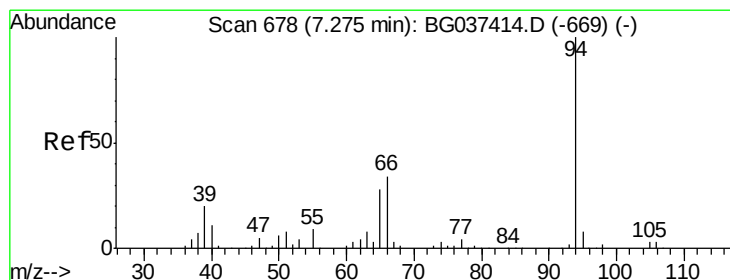
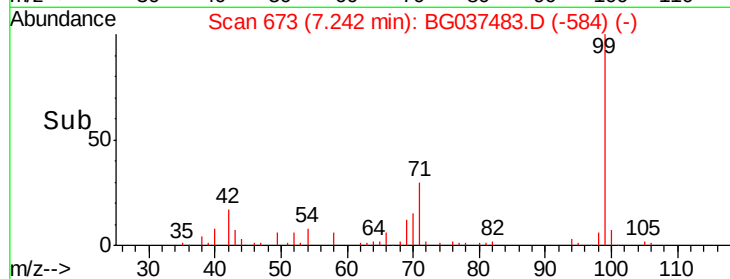
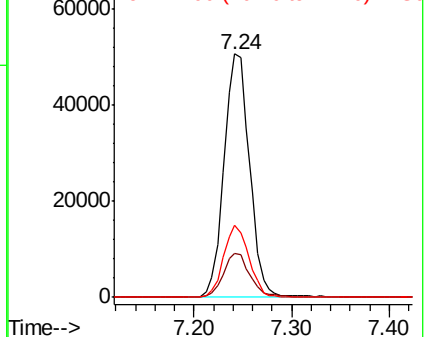
99 100

42 18.2 15.0 22.4

71 29.6 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: 13.078 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037483.D

Acq: 23 Oct 2018 19:29

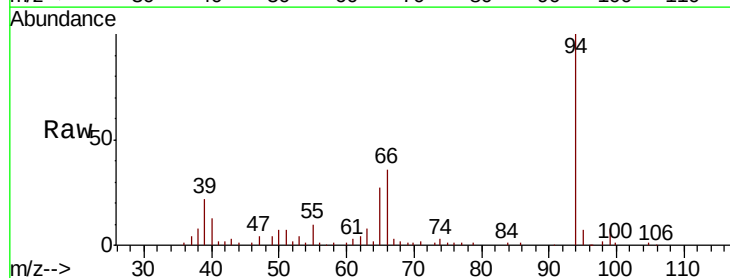
Tgt Ion: 94 Resp: 79510

Ion Ratio Lower Upper

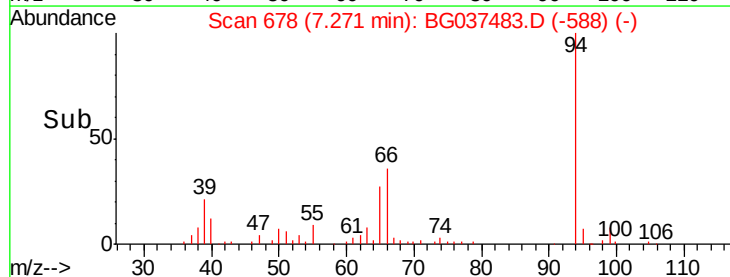
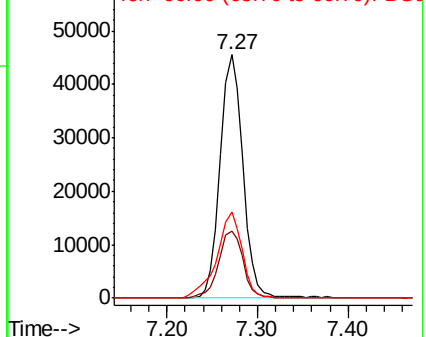
94 100

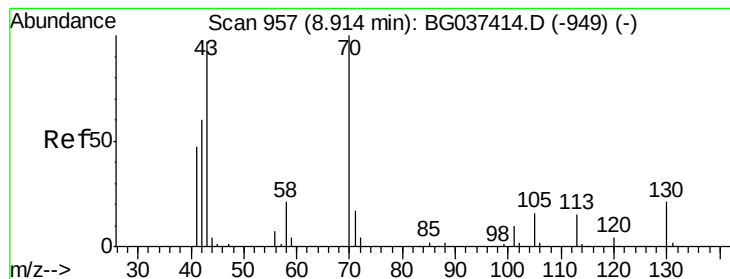
65 27.4 9.7 49.7

66 35.6 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: 7.849 ng

RT: 9.28 min Scan# 1020

Delta R.T. 0.37 min

Lab File: BG037483.D

Acq: 23 Oct 2018 19:29

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 31145

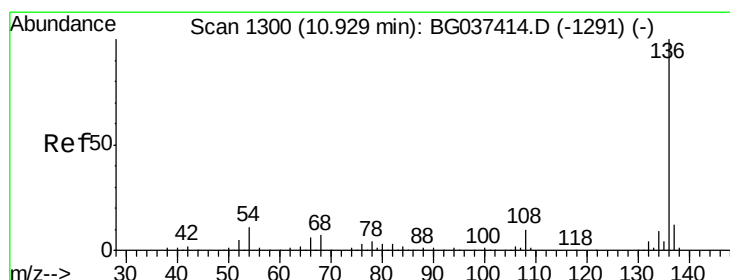
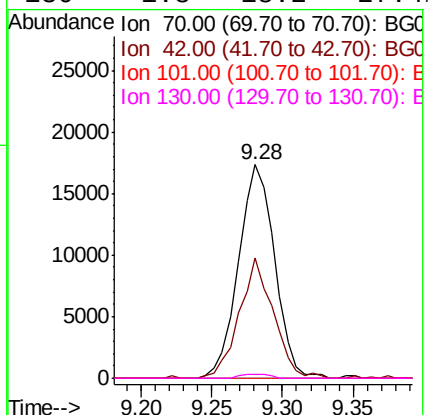
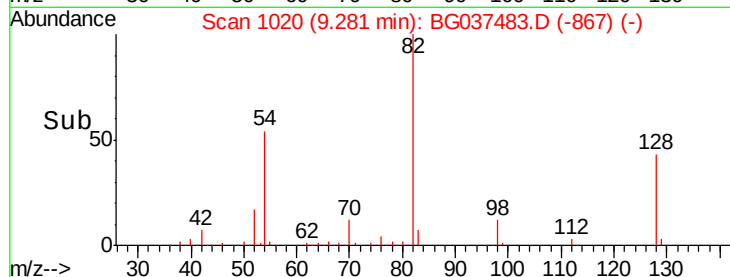
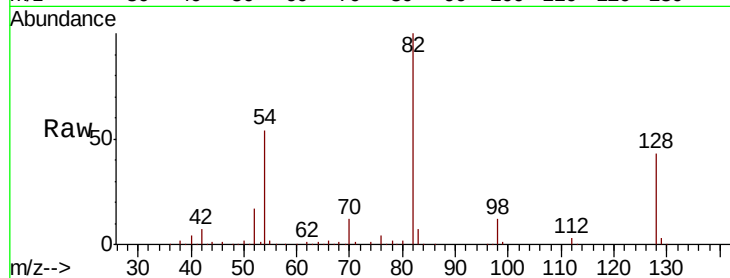
Ion Ratio Lower Upper

70 100

42 56.1 53.9 80.9

101 0.0 8.2 12.2#

130 1.8 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.93 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BG037483.D

Acq: 23 Oct 2018 19:29

Tgt Ion: 136 Resp: 285247

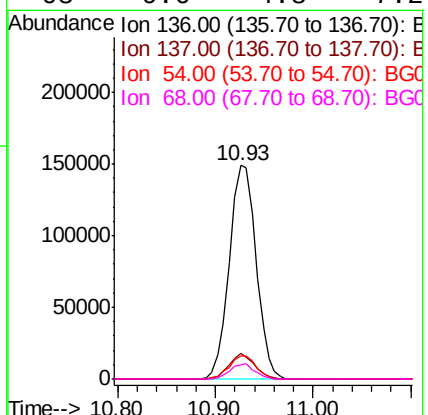
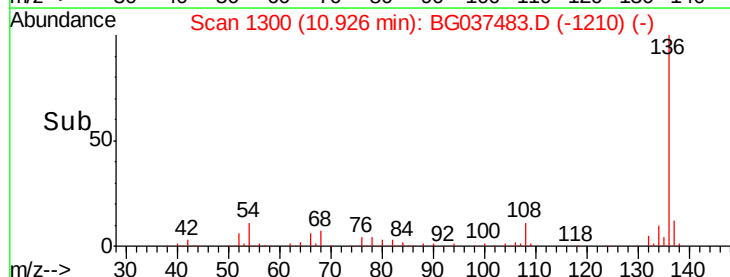
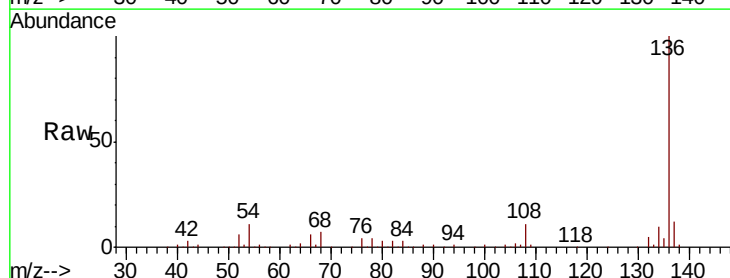
Ion Ratio Lower Upper

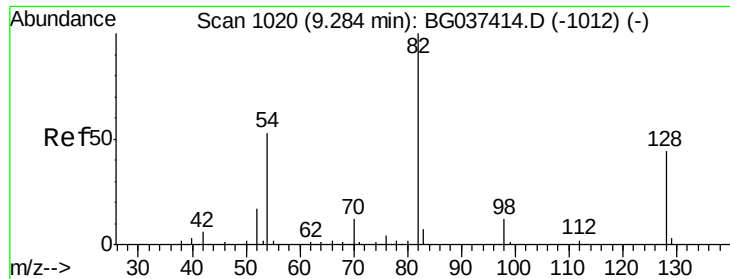
136 100

137 12.2 9.6 14.4

54 10.7 7.9 11.9

68 6.6 4.8 7.2

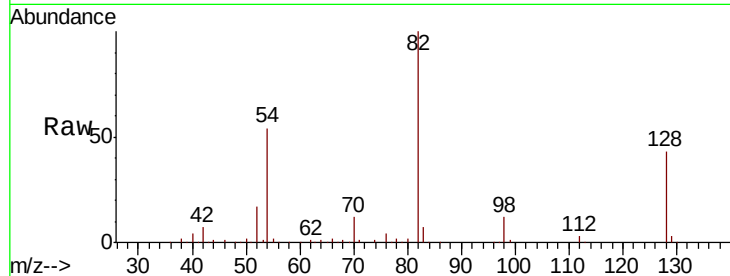




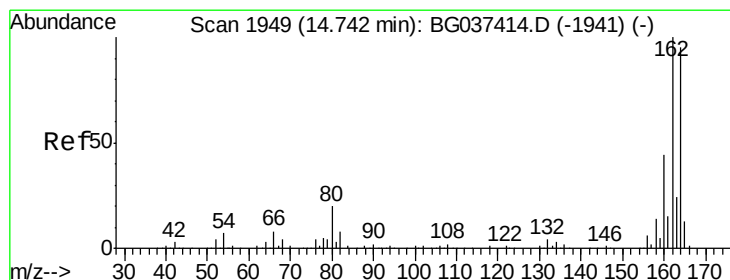
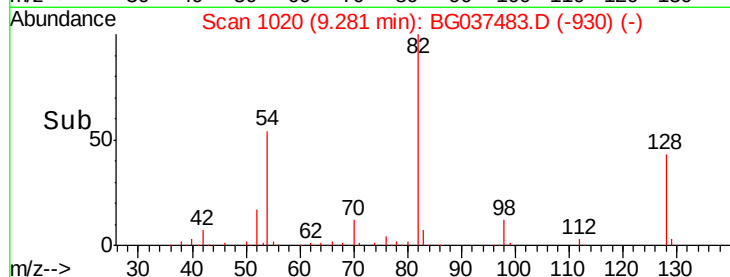
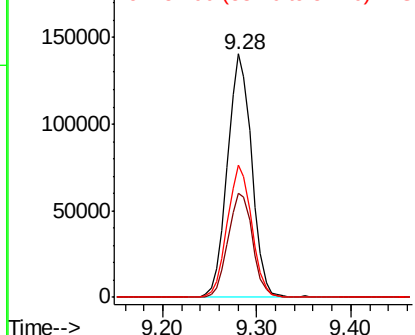
#23
Nitrobenzene-d5
Concen: 49.393 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037483.D
Acq: 23 Oct 2018 19:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	251509
Ion Ratio	Lower	Upper	
82	100		
128	42.8	34.6	51.8
54	54.3	45.3	67.9

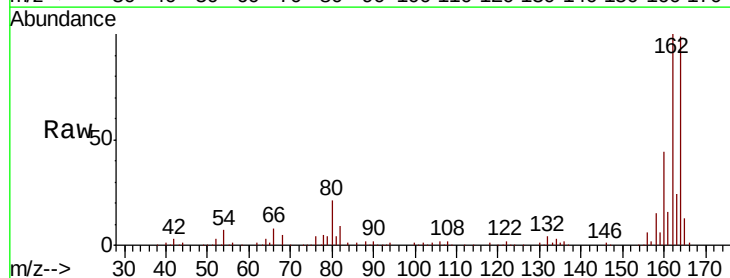


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

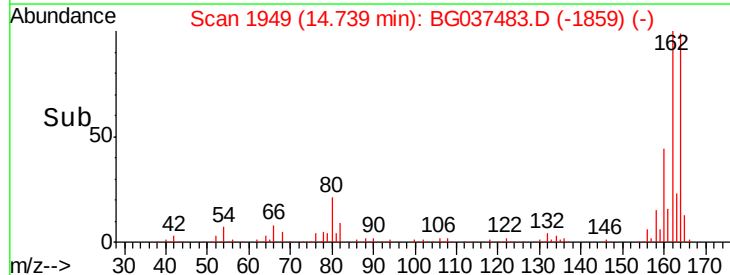
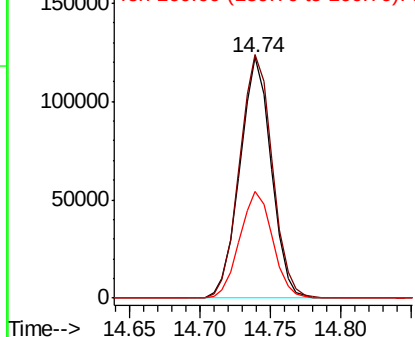


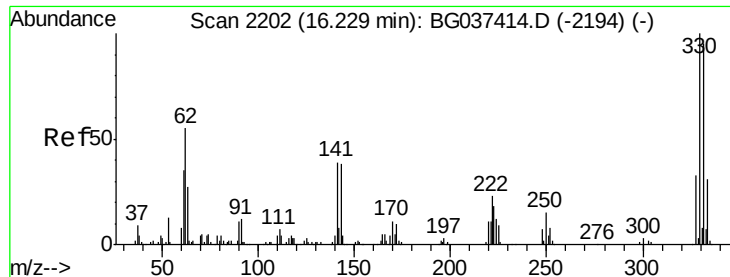
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BG037483.D
Acq: 23 Oct 2018 19:29

Tgt Ion	164	Resp	190936
Ion Ratio	Lower	Upper	
164	100		
162	101.2	81.3	121.9
160	44.1	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: 47.553 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037483.D

Acq: 23 Oct 2018 19:29

Instrument :

BNA_G

ClientSampleId :

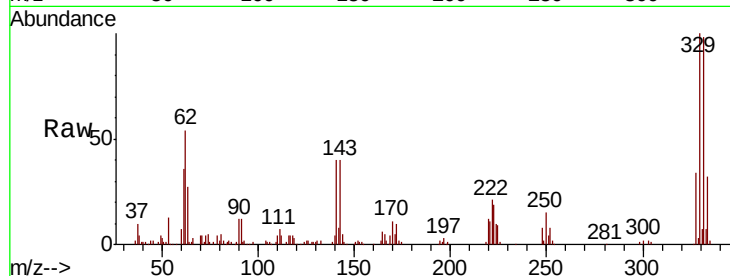
Tot Ion:330 Resp: 99030

Ion Ratio Lower Upper

330 100

332 96.4 78.4 117.6

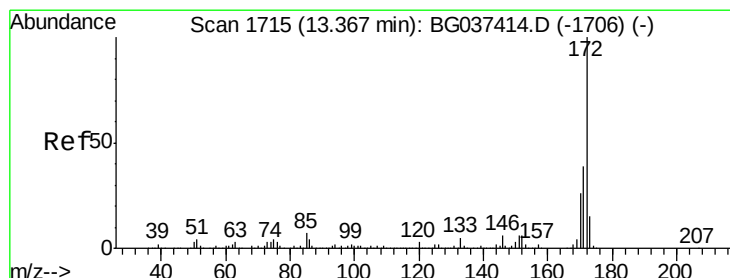
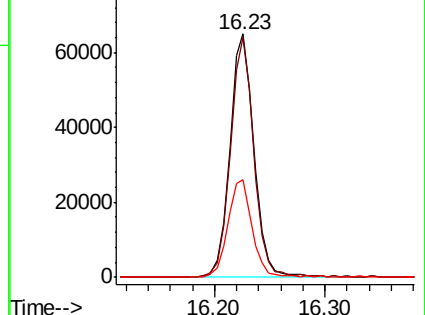
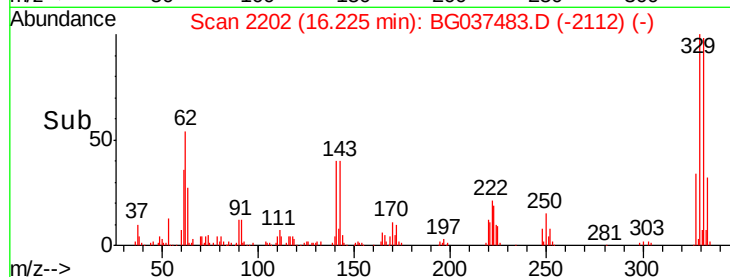
141 40.7 32.2 48.2



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: 47.792 ng

RT: 13.36 min Scan# 1715

Delta R.T. -0.00 min

Lab File: BG037483.D

Acq: 23 Oct 2018 19:29

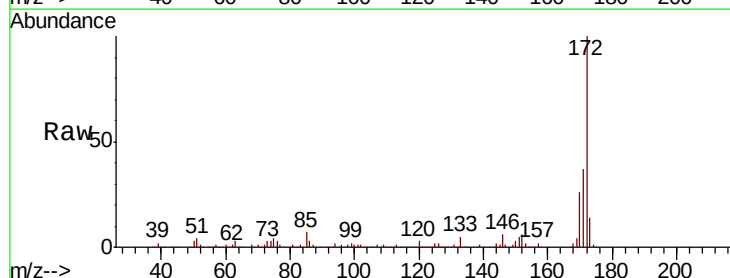
Tgt Ion:172 Resp: 605137

Ion Ratio Lower Upper

172 100

171 37.0 31.0 46.4

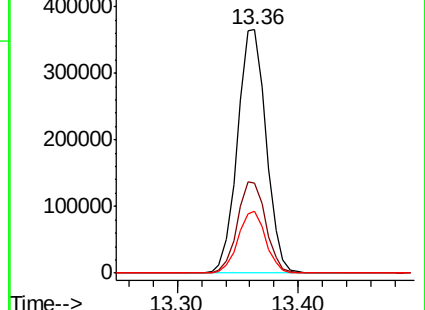
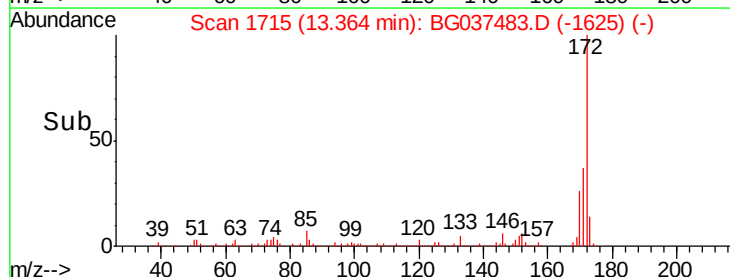
170 25.6 20.2 30.2

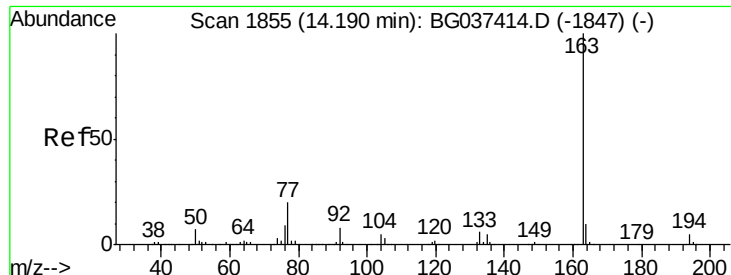


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.361 ng

RT: 14.18 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BG037483.D

Acq: 23 Oct 2018 19:29

Instrument :

BNA_G

ClientSampled :

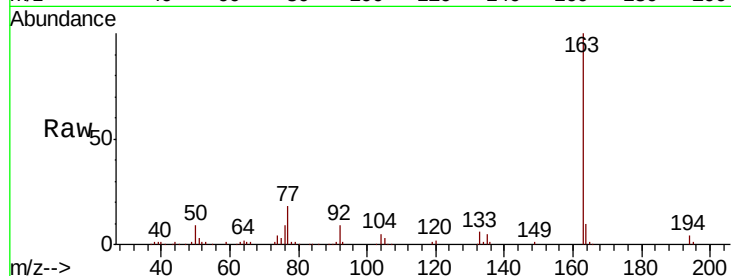
Tot Ion:163 Resp: 108736

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

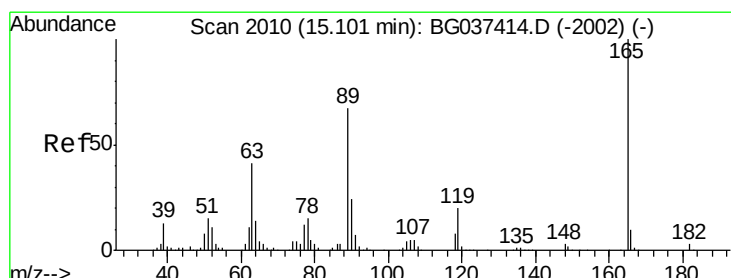
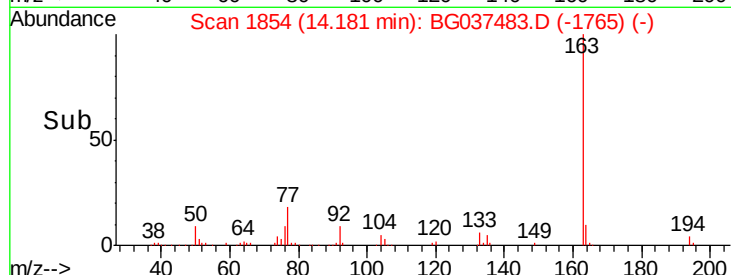
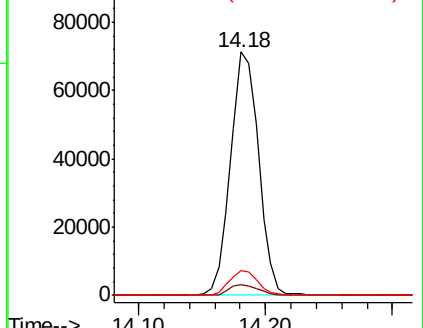
164 10.4 8.5 12.7



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: 5.813 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.36 min

Lab File: BG037483.D

Acq: 23 Oct 2018 19:29

Tgt Ion:165 Resp: 24932

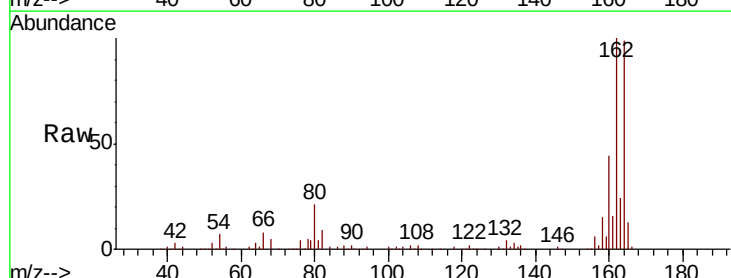
Ion Ratio Lower Upper

165 100

63 1.0 33.4 50.0#

89 1.1 57.2 85.8#

182 0.0 2.6 4.0#

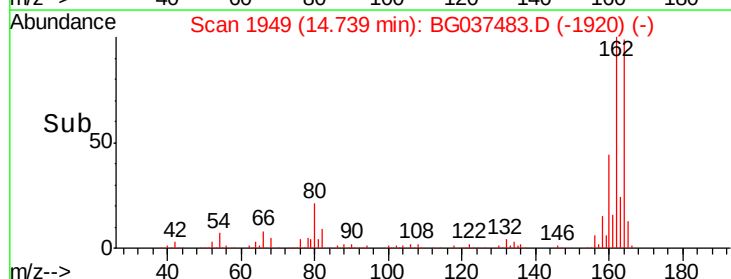
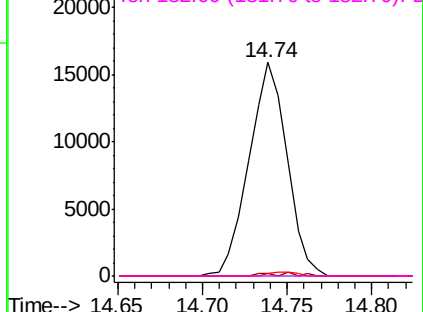


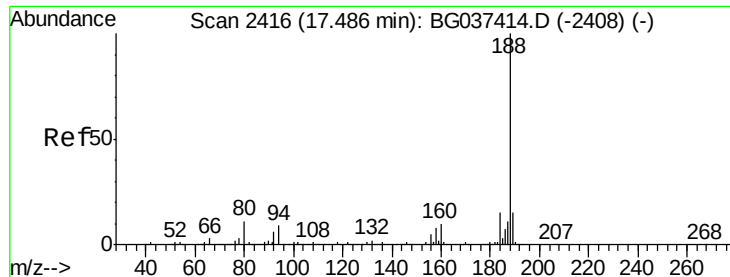
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.49 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BG037483.D

Acq: 23 Oct 2018 19:29

Instrument :

BNA_G

ClientSampleId :

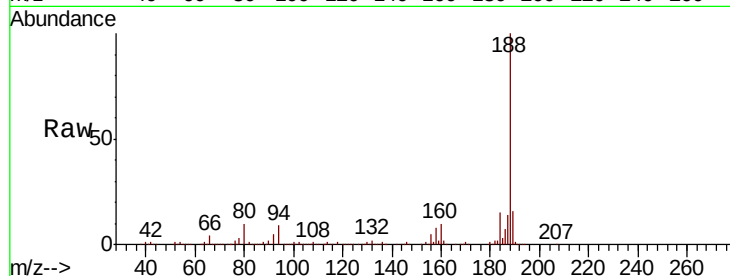
Tot Ion:188 Resp: 451621

Ion Ratio Lower Upper

188 100

94 8.9 7.2 10.8

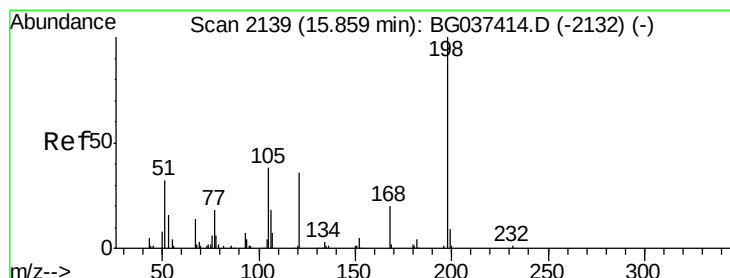
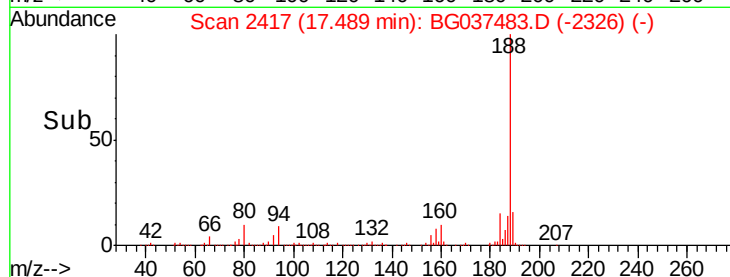
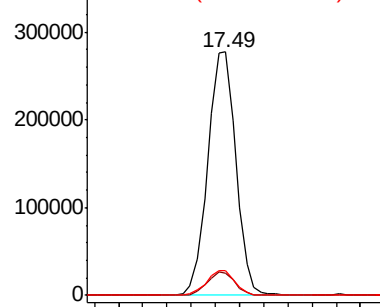
80 10.2 7.7 11.5



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: 8.530 ng

RT: 16.21 min Scan# 2200

Delta R.T. 0.36 min

Lab File: BG037483.D

Acq: 23 Oct 2018 19:29

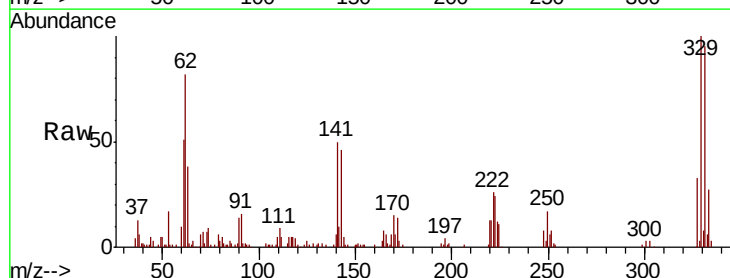
Tgt Ion:198 Resp: 64

Ion Ratio Lower Upper

198 100

51 54.1 22.7 62.7

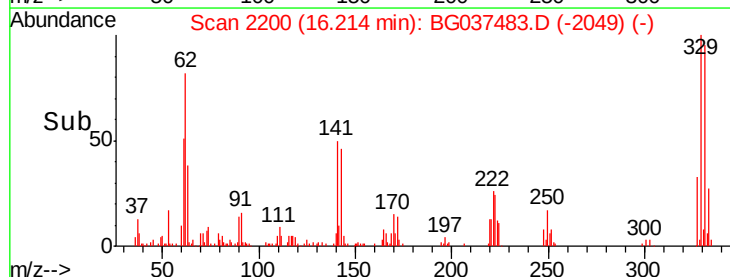
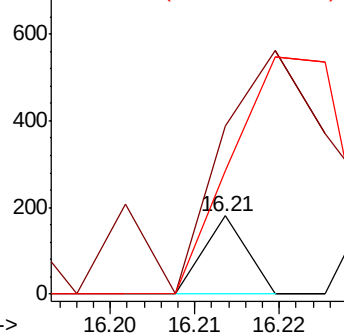
105 39.9 19.7 59.7

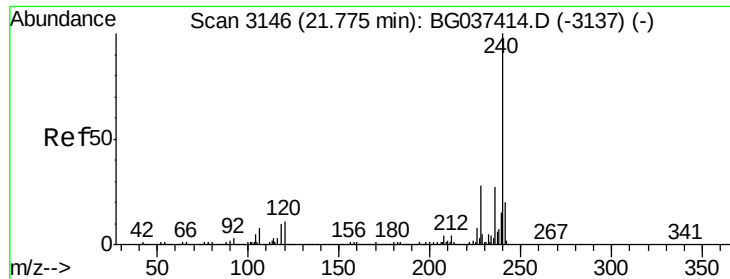


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG037483.D

Acq: 23 Oct 2018 19:29

Instrument :

BNA_G

ClientSampleId :

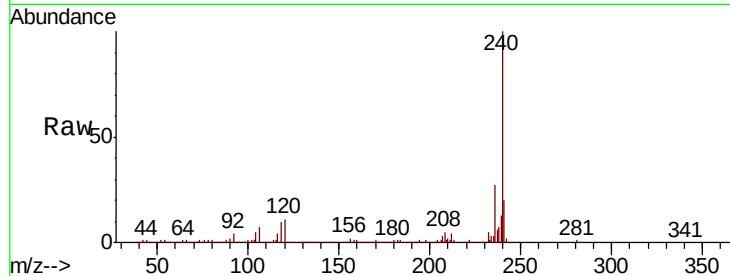
Tot Ion:240 Resp: 407876

Ion Ratio Lower Upper

240 100

120 10.6 8.1 12.1

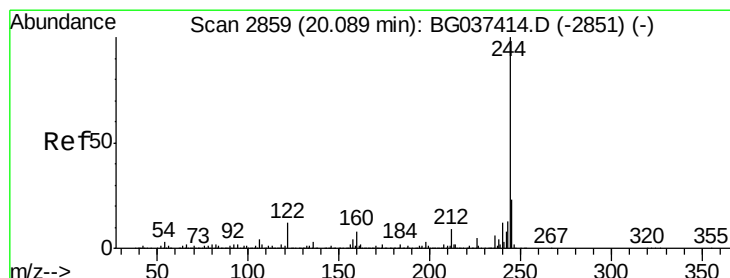
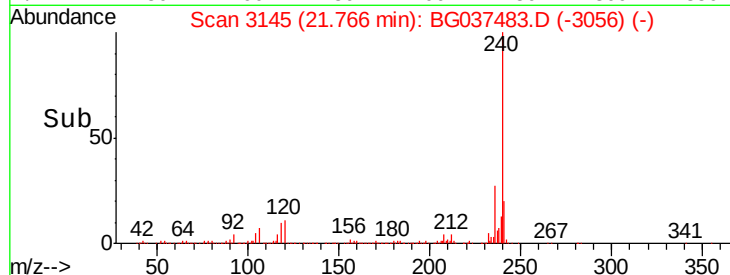
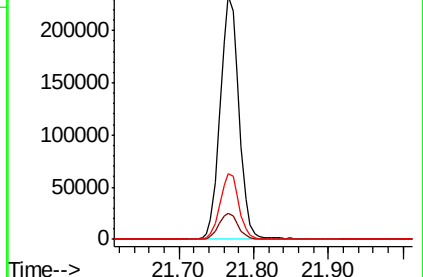
236 26.9 21.4 32.0



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: 48.852 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG037483.D

Acq: 23 Oct 2018 19:29

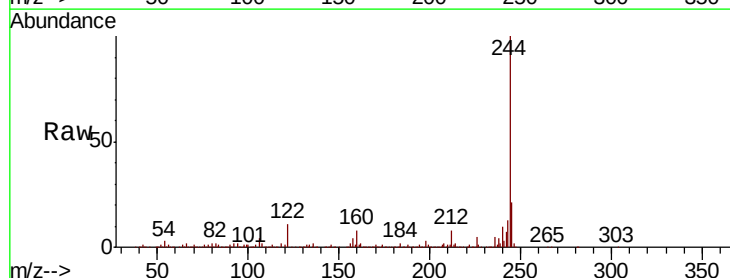
Tgt Ion:244 Resp: 932507

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

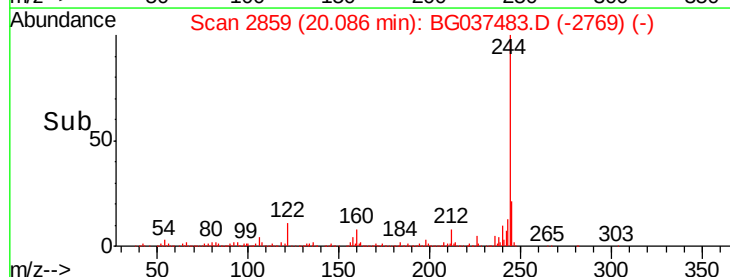
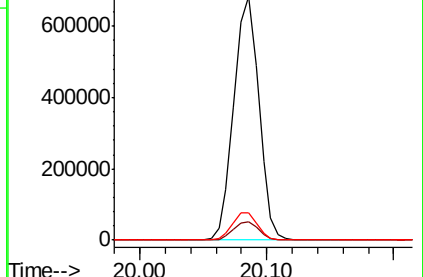
122 11.1 9.0 13.4

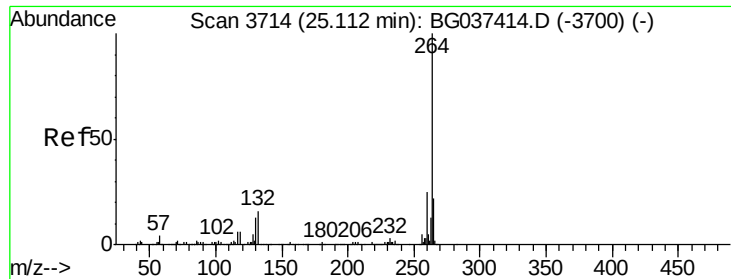


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

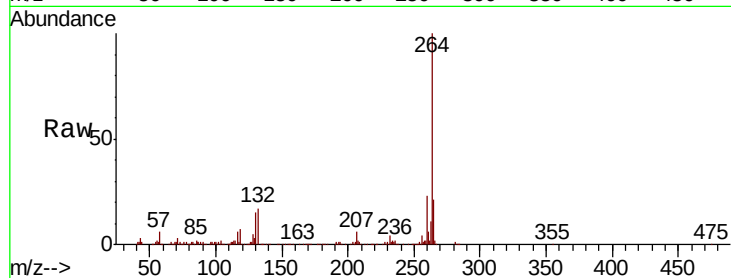




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.10 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG037483.D
Acq: 23 Oct 2018 19:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.4
265	21.0	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

