

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG110718\
 Data File : BG037867.D
 Acq On : 7 Nov 2018 16:05
 Operator : JU/SJ
 Sample : J5820-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CPS103081

Quant Time: Nov 07 16:55:55 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

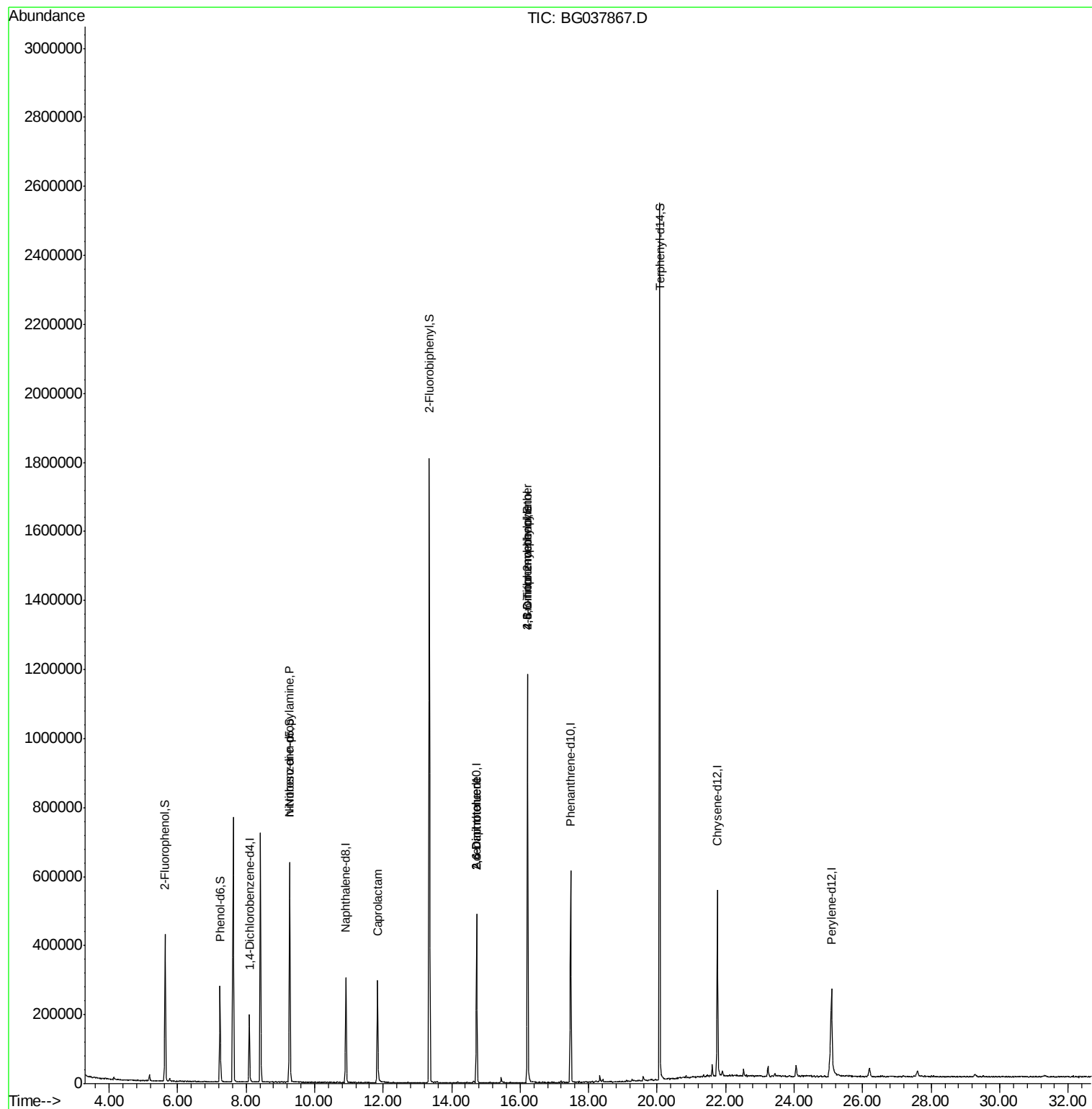
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	61080	20.00	ng	-0.02
21) Naphthalene-d8	10.91	136	275542	20.00	ng	-0.02
39) Acenaphthene-d10	14.72	164	183833	20.00	ng	-0.02
64) Phenanthrene-d10	17.47	188	391244	20.00	ng	-0.01
76) Chrysene-d12	21.76	240	347421	20.00	ng	-0.02
87) Perylene-d12	25.09	264	323356	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	201954	55.28	ng	-0.01
7) Phenol-d6	7.23	99	182352	33.01	ng	-0.02
23) Nitrobenzene-d5	9.27	82	415930	84.56	ng	-0.01
42) 2,4,6-Tribromophenol	16.22	330	229291	114.36	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	993058	81.46	ng	-0.02
79) Terphenyl-d14	20.07	244	1318023	81.06	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	50920	13.385	ng	Qvalue # 69
35) Caprolactam	11.84	113	64042	34.894	ng	# 95
51) 2,6-Dinitrotoluene	14.72	165	23491	7.467	ng	# 24
57) 2,4-Dinitrotoluene	14.72	165	23491	5.688	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.22	198	638	8.763	ng	# 81
67) 4-Bromophenyl-phenylether	16.21	248	17021	3.962	ng	# 1

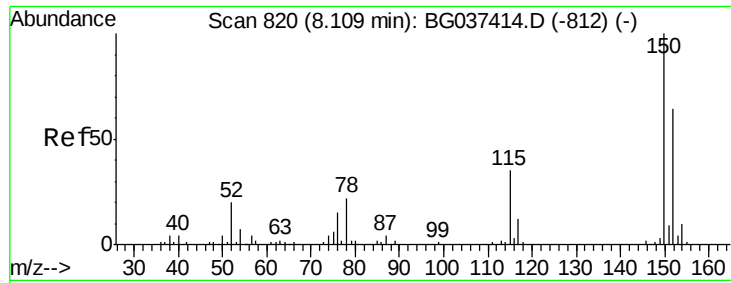
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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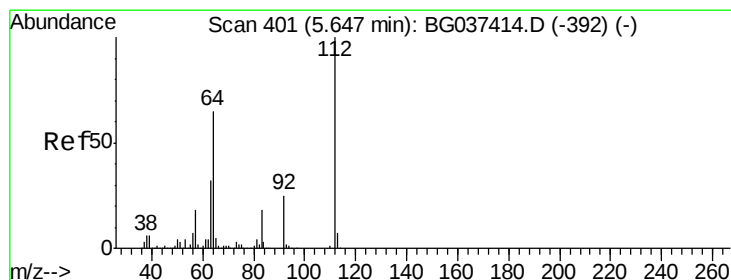
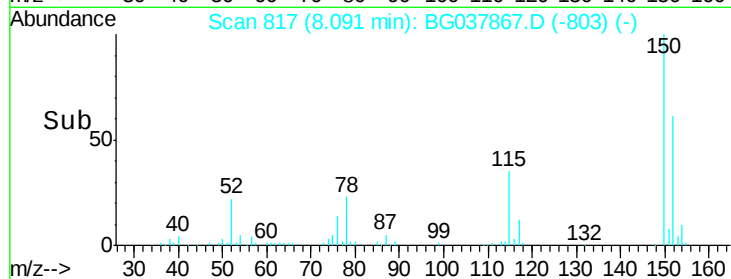
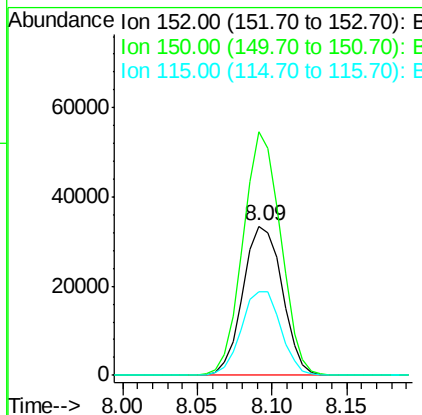
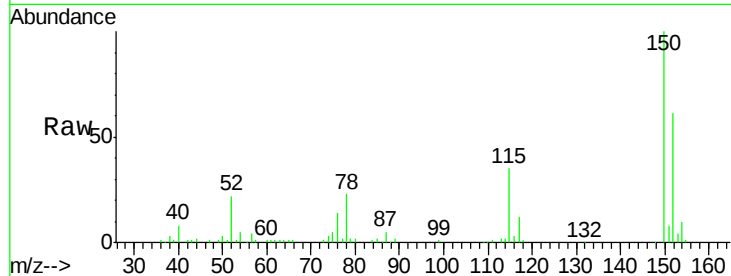


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 817
Delta R.T. -0.02 min
Lab File: BG037867.D
Acq: 7 Nov 2018 16:05

Instrument :
BNA_G
ClientSampleId :
CPS103081

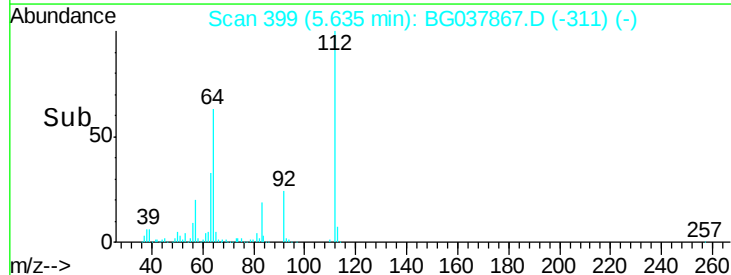
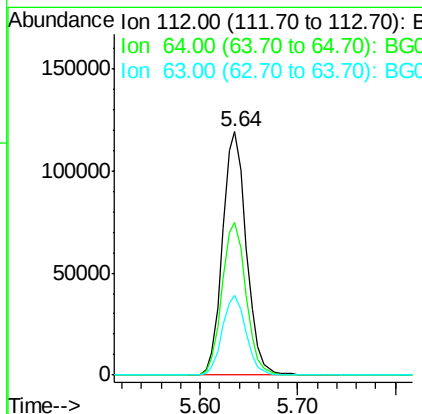
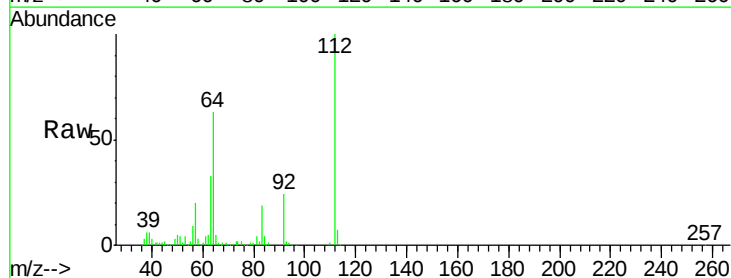
Tgt Ion:152 Resp: 61080
Ion Ratio Lower Upper
152 100
150 163.2 126.0 189.0
115 56.5 45.5 68.3



#5

2-Fluorophenol
Concen: 55.278 ng
RT: 5.64 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG037867.D
Acq: 7 Nov 2018 16:05

Tgt Ion:112 Resp: 201954
Ion Ratio Lower Upper
112 100
64 62.7 53.1 79.7
63 32.8 27.3 40.9





#7

Phenol-d6

Concen: 33.008 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.02 min

Lab File: BG037867.D

Acq: 7 Nov 2018 16:05

Instrument :

BNA_G

ClientSampleId :

CPS103081

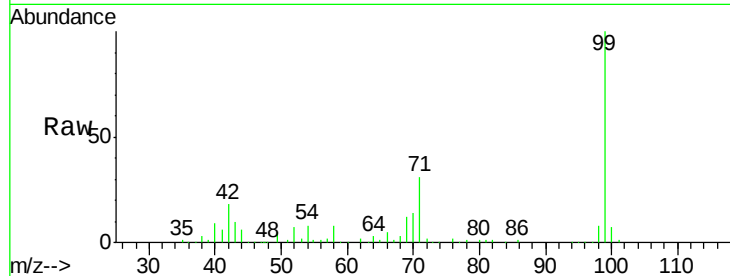
Tgt Ion: 99 Resp: 182352

Ion Ratio Lower Upper

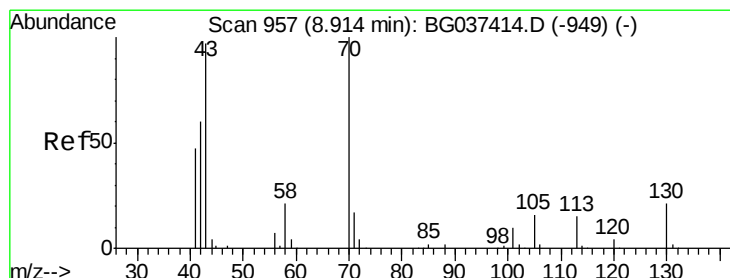
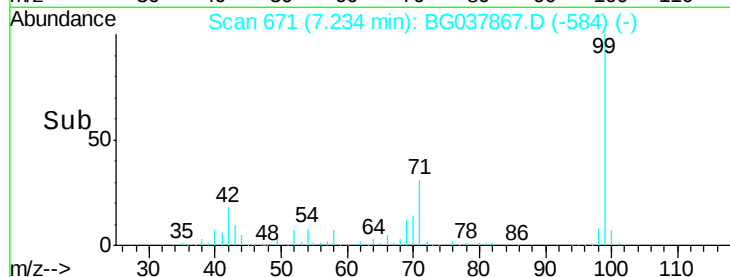
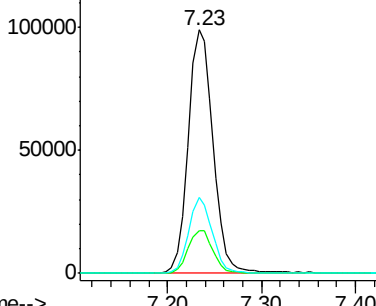
99 100

42 17.8 15.0 22.4

71 31.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.385 ng

RT: 9.27 min Scan# 1018

Delta R.T. 0.36 min

Lab File: BG037867.D

Acq: 7 Nov 2018 16:05

Tgt Ion: 70 Resp: 50920

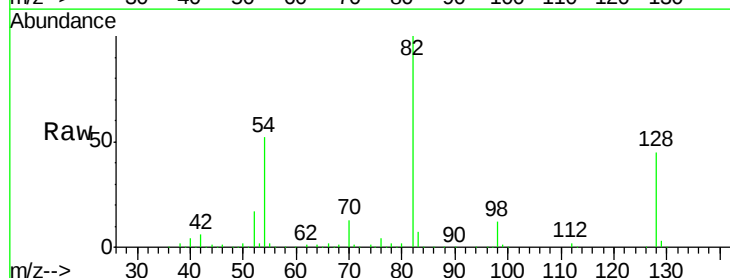
Ion Ratio Lower Upper

70 100

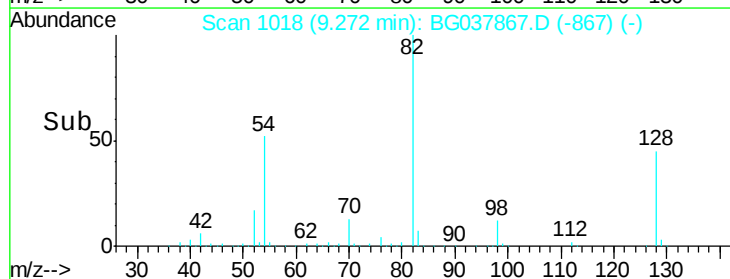
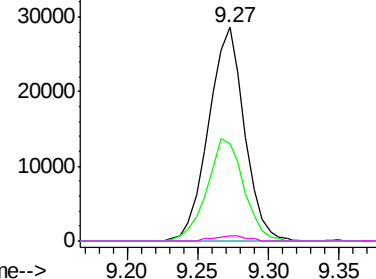
42 45.4 53.9 80.9#

101 0.0 8.2 12.2#

130 2.2 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

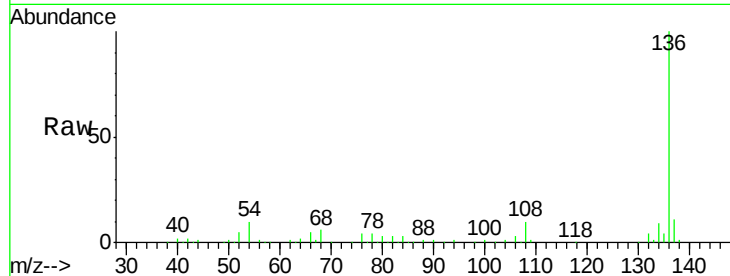




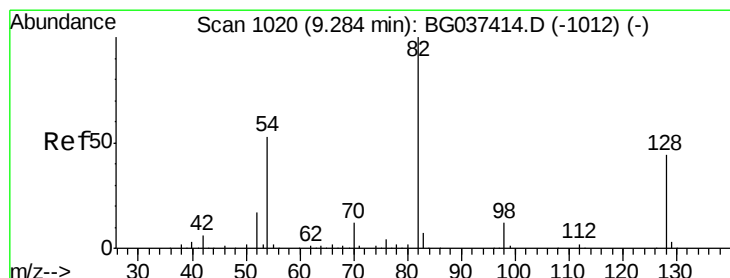
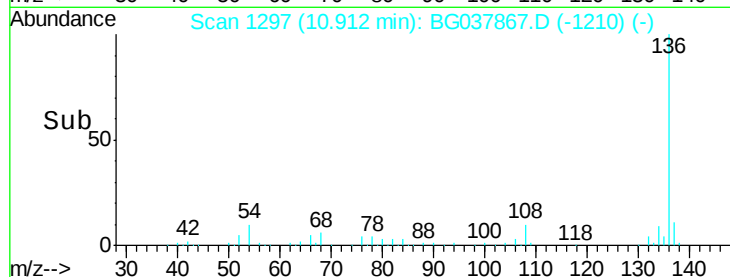
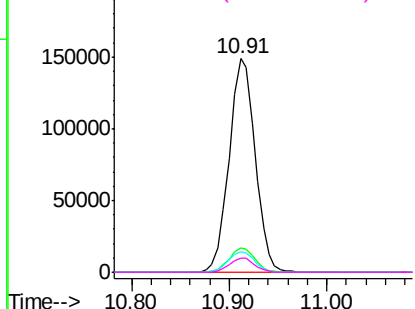
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BG037867.D
Acq: 7 Nov 2018 16:05

Instrument :
BNA_G
ClientSampleId :
CPS103081

Tgt Ion:	136	Resp:	275542
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.6	14.4
54	9.6	7.9	11.9
68	6.4	4.8	7.2

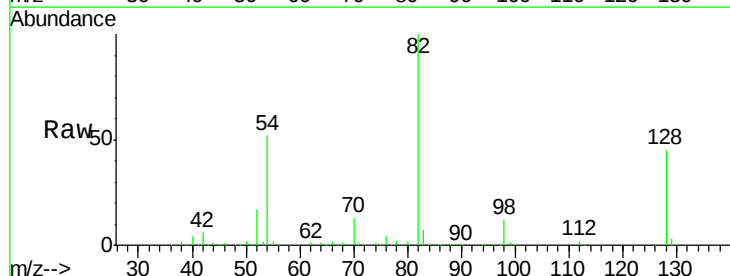


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

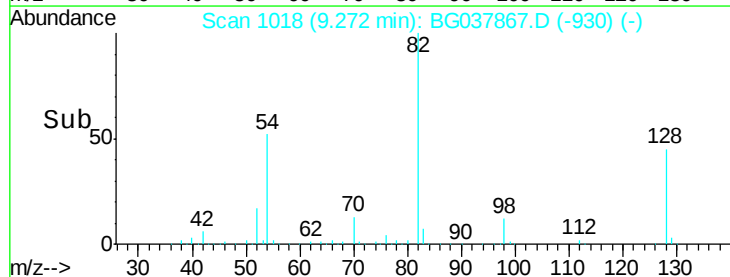
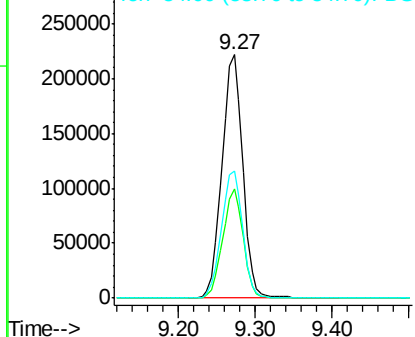


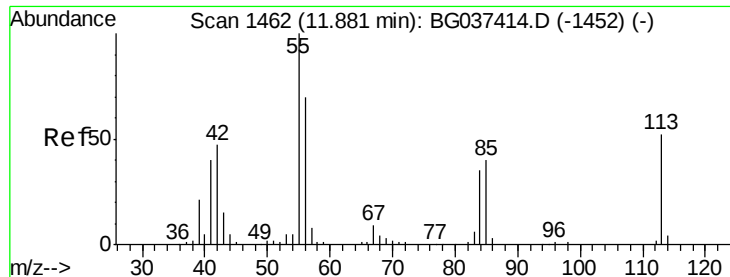
#23
Nitrobenzene-d5
Concen: 84.560 ng
RT: 9.27 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BG037867.D
Acq: 7 Nov 2018 16:05

Tgt Ion:	82	Resp:	415930
Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.6	51.8
54	52.1	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





#35

Caprolactam

Concen: 34.894 ng

RT: 11.84 min Scan# 1455

Delta R.T. -0.04 min

Lab File: BG037867.D

Acq: 7 Nov 2018 16:05

Instrument :

BNA_G

ClientSampleId :

CPS103081

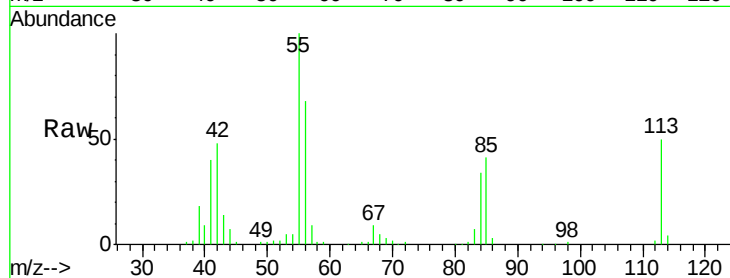
Tgt Ion:113 Resp: 64042

Ion Ratio Lower Upper

113 100

55 199.4 176.6 216.6

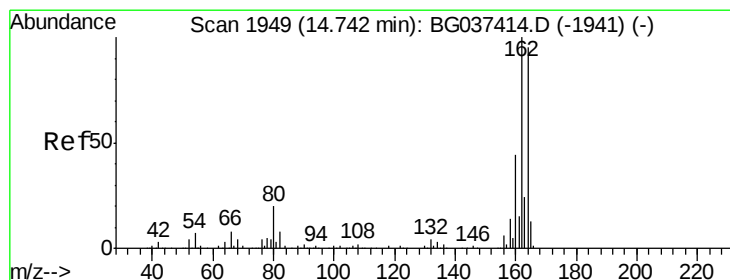
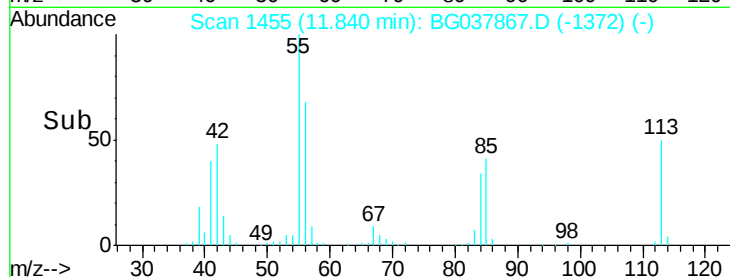
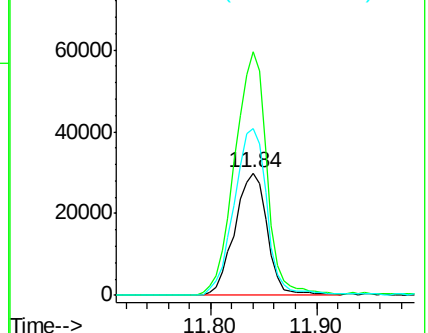
56 136.2 128.3 168.3



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1946

Delta R.T. -0.02 min

Lab File: BG037867.D

Acq: 7 Nov 2018 16:05

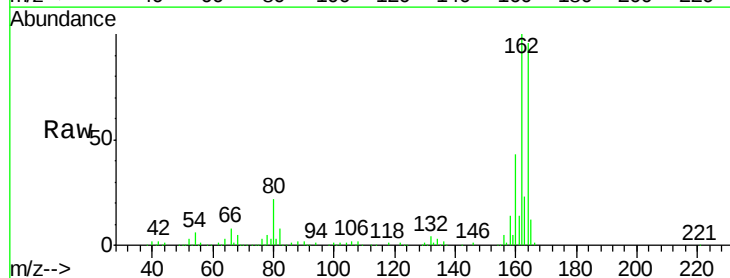
Tgt Ion:164 Resp: 183833

Ion Ratio Lower Upper

164 100

162 104.2 81.3 121.9

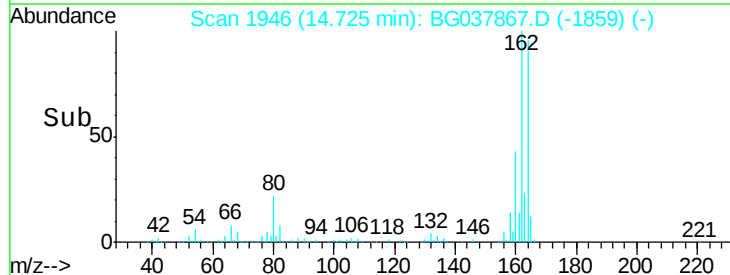
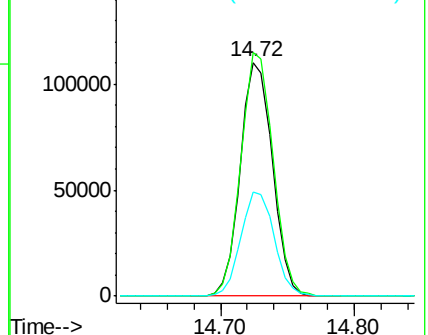
160 44.3 36.3 54.5



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

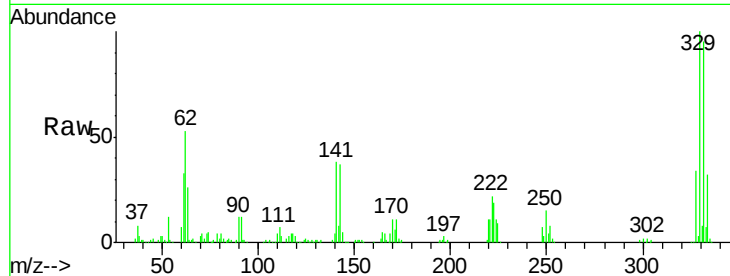




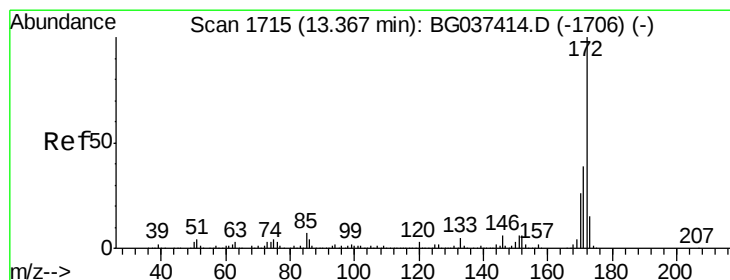
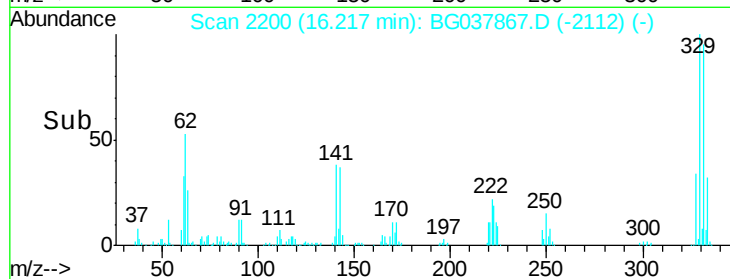
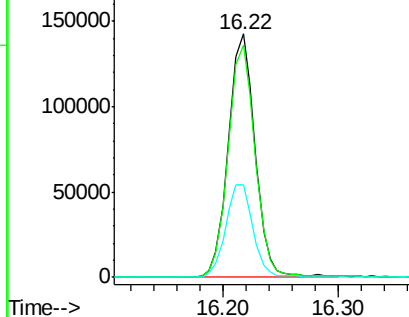
#42
 2,4,6-Tribromophenol
 Concen: 114.357 ng
 RT: 16.22 min Scan# 2200
 Delta R.T. -0.01 min
 Lab File: BG037867.D
 Acq: 7 Nov 2018 16:05

Instrument :
 BNA_G
 ClientSampleId :
 CPS103081

Tgt Ion:330 Resp: 229291
 Ion Ratio Lower Upper
 330 100
 332 97.1 78.4 117.6
 141 39.0 32.2 48.2

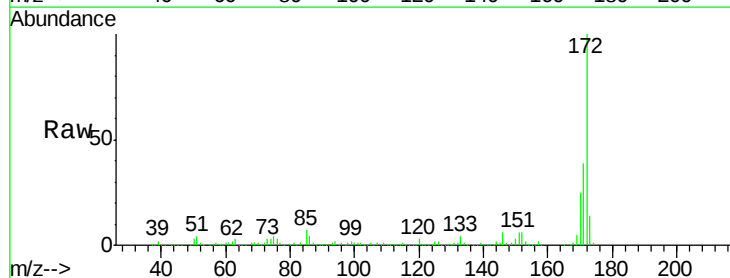


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

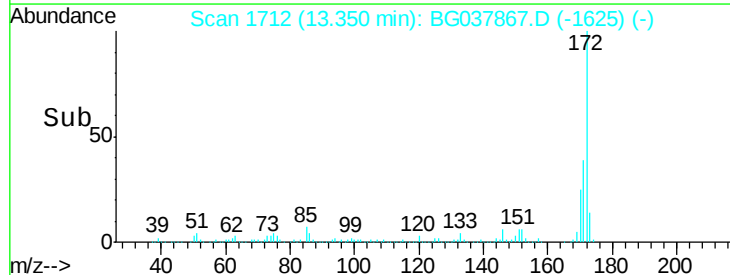
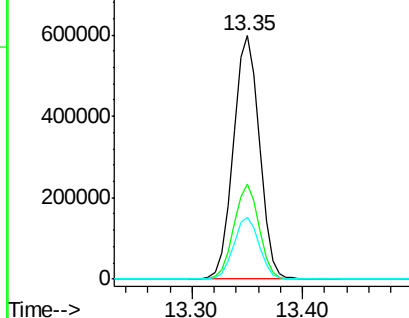


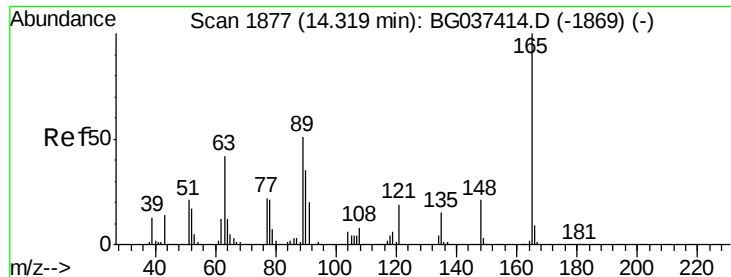
#45
 2-Fluorobiphenyl
 Concen: 81.458 ng
 RT: 13.35 min Scan# 1712
 Delta R.T. -0.02 min
 Lab File: BG037867.D
 Acq: 7 Nov 2018 16:05

Tgt Ion:172 Resp: 993058
 Ion Ratio Lower Upper
 172 100
 171 39.1 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





#51

2,6-Dinitrotoluene

Concen: 7.467 ng

RT: 14.72 min Scan# 1946

Delta R.T. 0.41 min

Lab File: BG037867.D

Acq: 7 Nov 2018 16:05

Instrument :

BNA_G

ClientSampleId :

CPS103081

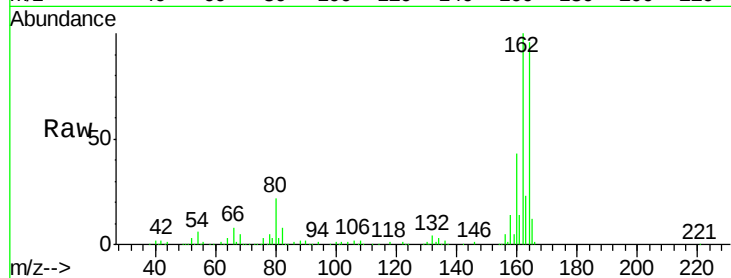
Tgt Ion:165 Resp: 23491

Ion Ratio Lower Upper

165 100

63 1.1 43.4 65.2#

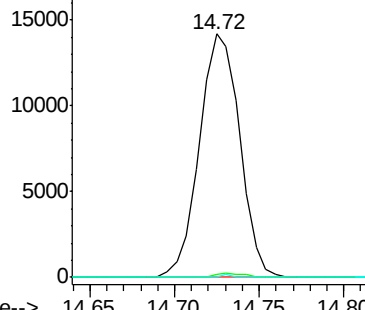
89 0.0 45.8 68.6#



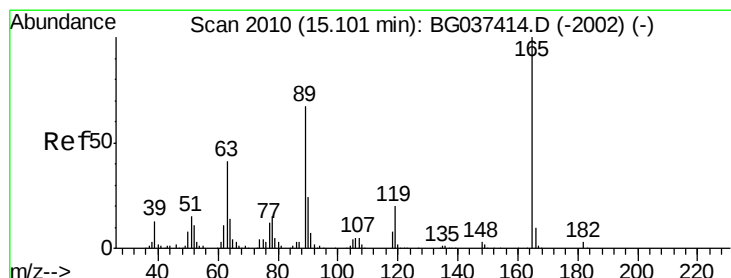
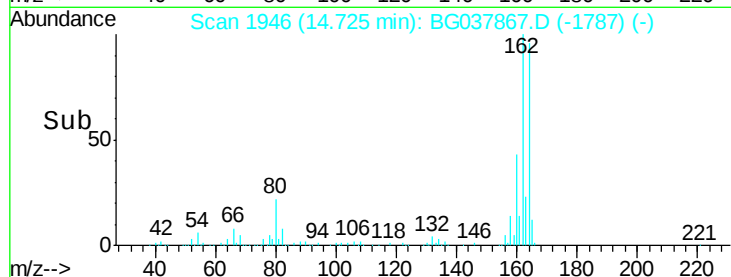
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



Time--> 14.65 14.70 14.75 14.80



#57

2,4-Dinitrotoluene

Concen: 5.688 ng

RT: 14.72 min Scan# 1946

Delta R.T. -0.38 min

Lab File: BG037867.D

Acq: 7 Nov 2018 16:05

Tgt Ion:165 Resp: 23491

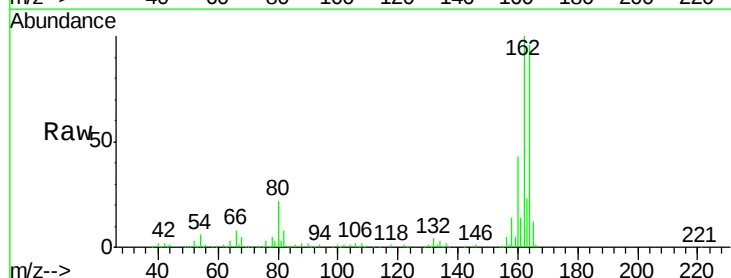
Ion Ratio Lower Upper

165 100

63 1.1 33.4 50.0#

89 0.0 57.2 85.8#

182 0.0 2.6 4.0#

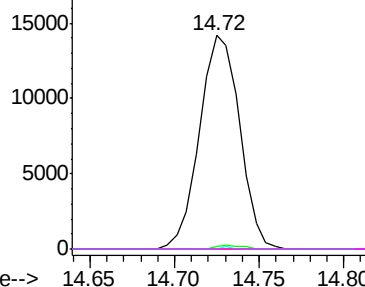


Abundance Ion 165.00 (164.70 to 165.70): E

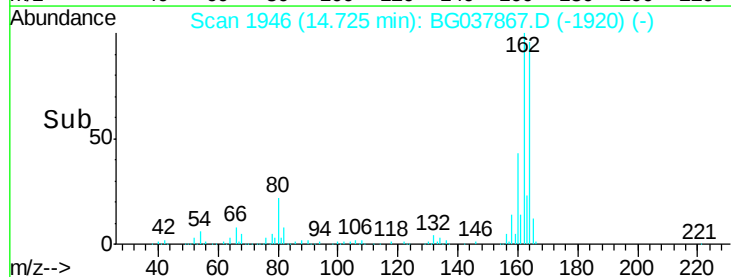
Ion 63.00 (62.70 to 63.70): BGC

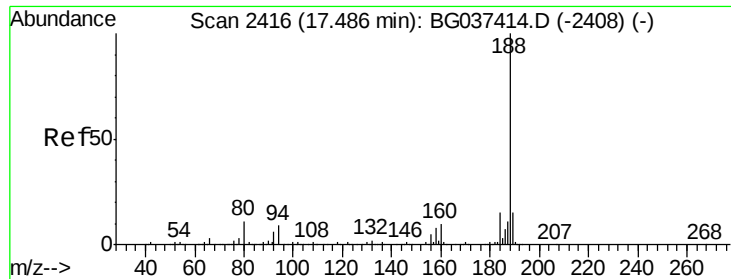
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



Time--> 14.65 14.70 14.75 14.80

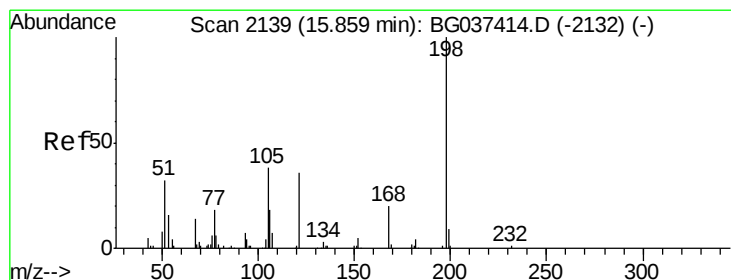
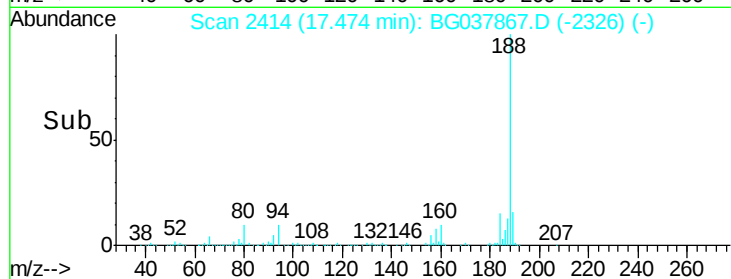
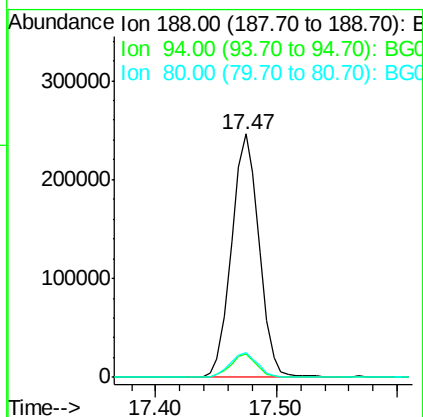
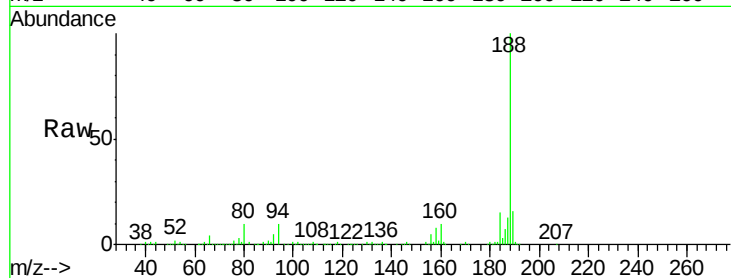




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.47 min Scan# 2414
Delta R.T. -0.01 min
Lab File: BG037867.D
Acq: 7 Nov 2018 16:05

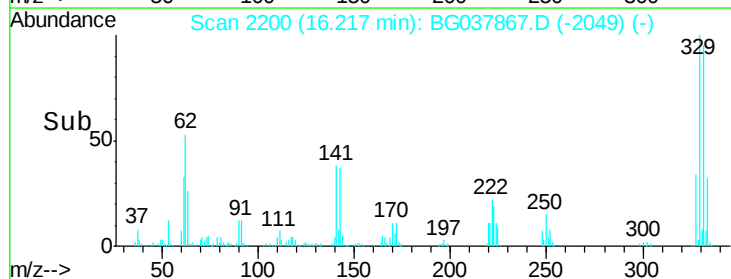
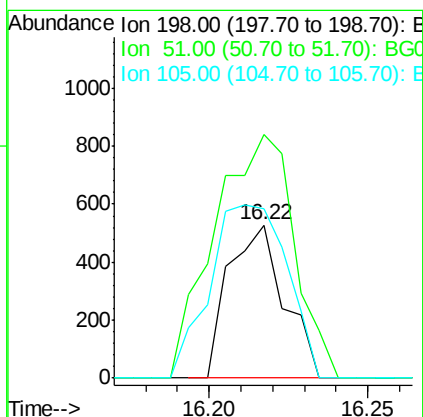
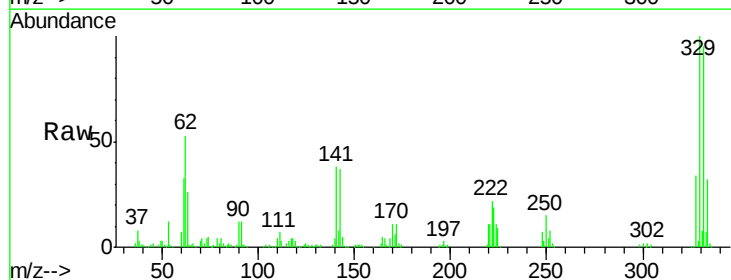
Instrument :
BNA_G
ClientSampleId :
CPS103081

Tgt Ion:188 Resp: 391244
Ion Ratio Lower Upper
188 100
94 9.6 7.2 10.8
80 10.3 7.7 11.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.763 ng
RT: 16.22 min Scan# 2200
Delta R.T. 0.36 min
Lab File: BG037867.D
Acq: 7 Nov 2018 16:05

Tgt Ion:198 Resp: 638
Ion Ratio Lower Upper
198 100
51 34.4 22.7 62.7
105 23.9 19.7 59.7

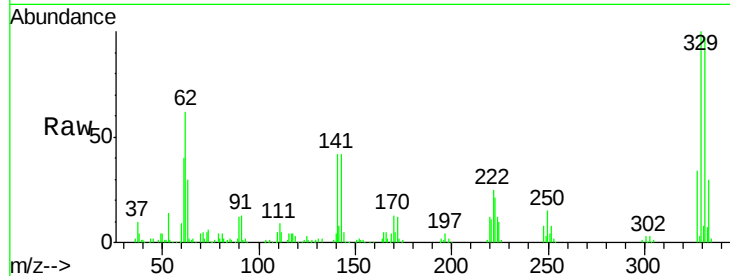




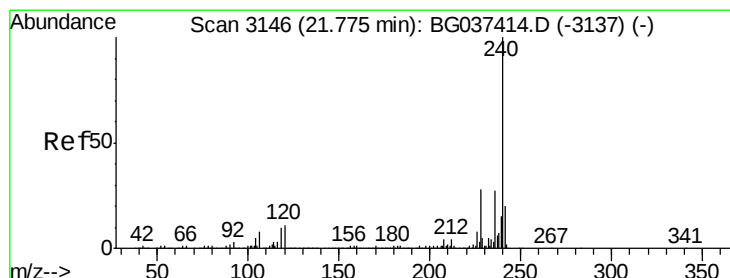
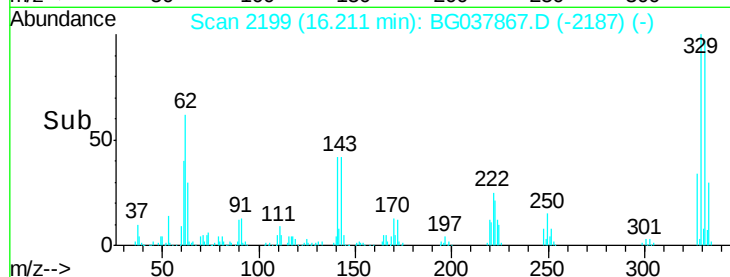
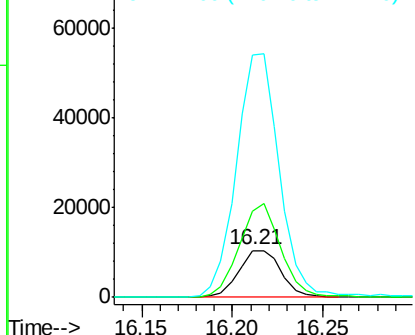
#67
4-Bromophenyl-phenylether
Concen: 3.962 ng
RT: 16.21 min Scan# 2199
Delta R.T. -0.46 min
Lab File: BG037867.D
Acq: 7 Nov 2018 16:05

Instrument :
BNA_G
ClientSampleId :
CPS103081

Tgt Ion:248 Resp: 17021
Ion Ratio Lower Upper
248 100
250 178.5 77.0 115.6#
141 387.8 55.5 83.3#

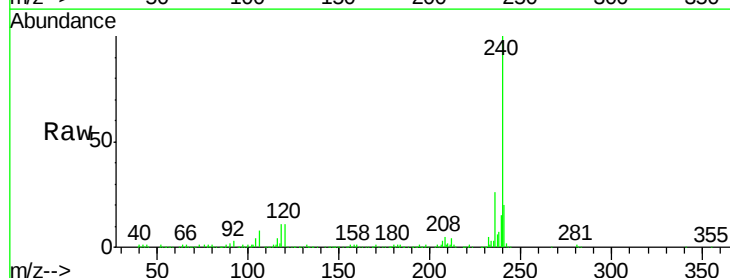


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

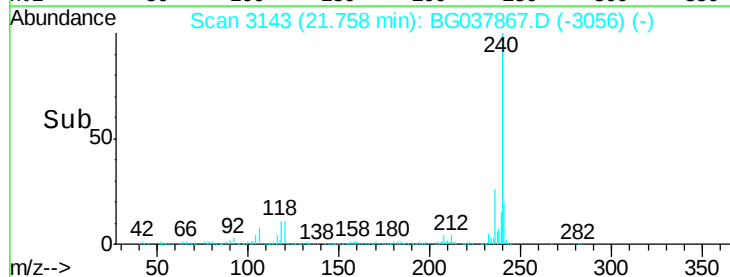
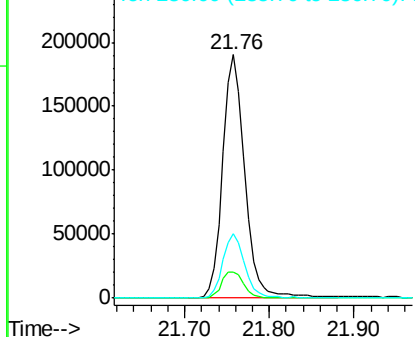


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3143
Delta R.T. -0.02 min
Lab File: BG037867.D
Acq: 7 Nov 2018 16:05

Tgt Ion:240 Resp: 347421
Ion Ratio Lower Upper
240 100
120 10.7 8.1 12.1
236 26.5 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: 81.063 ng

RT: 20.07 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BG037867.D

Acq: 7 Nov 2018 16:05

Instrument :

BNA_G

ClientSampleId :

CPS103081

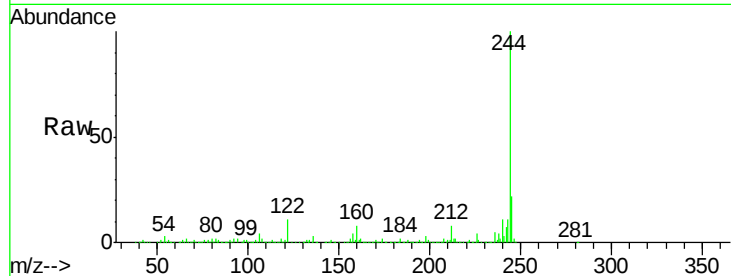
Tgt Ion:244 Resp: 1318023

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

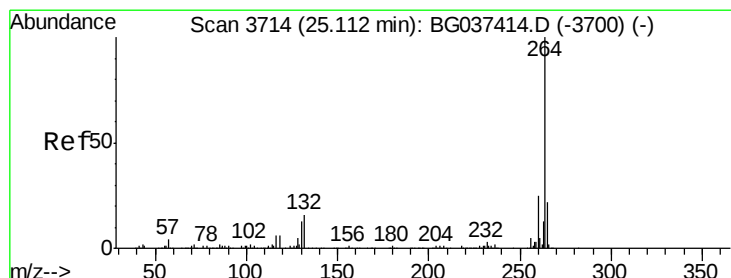
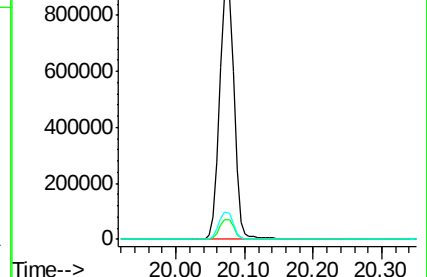
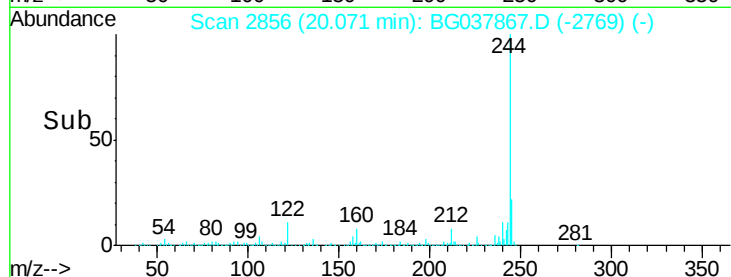
122 11.3 9.0 13.4



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# 3710

Delta R.T. -0.02 min

Lab File: BG037867.D

Acq: 7 Nov 2018 16:05

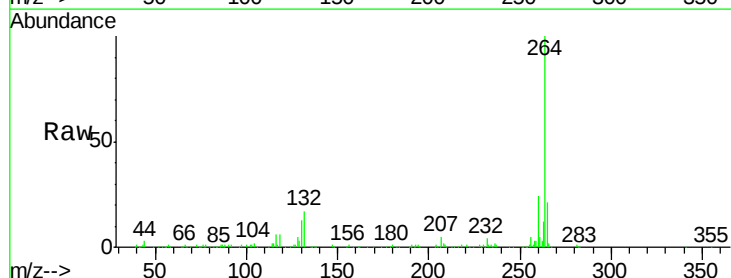
Tgt Ion:264 Resp: 323356

Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.4

265 21.4 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

