

Data File : BG037823.D
Acq On : 6 Nov 2018 4:11
Operator : JU/SJ
Sample : PB114495BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB114495BL

Quant Time: Nov 06 06:04:02 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

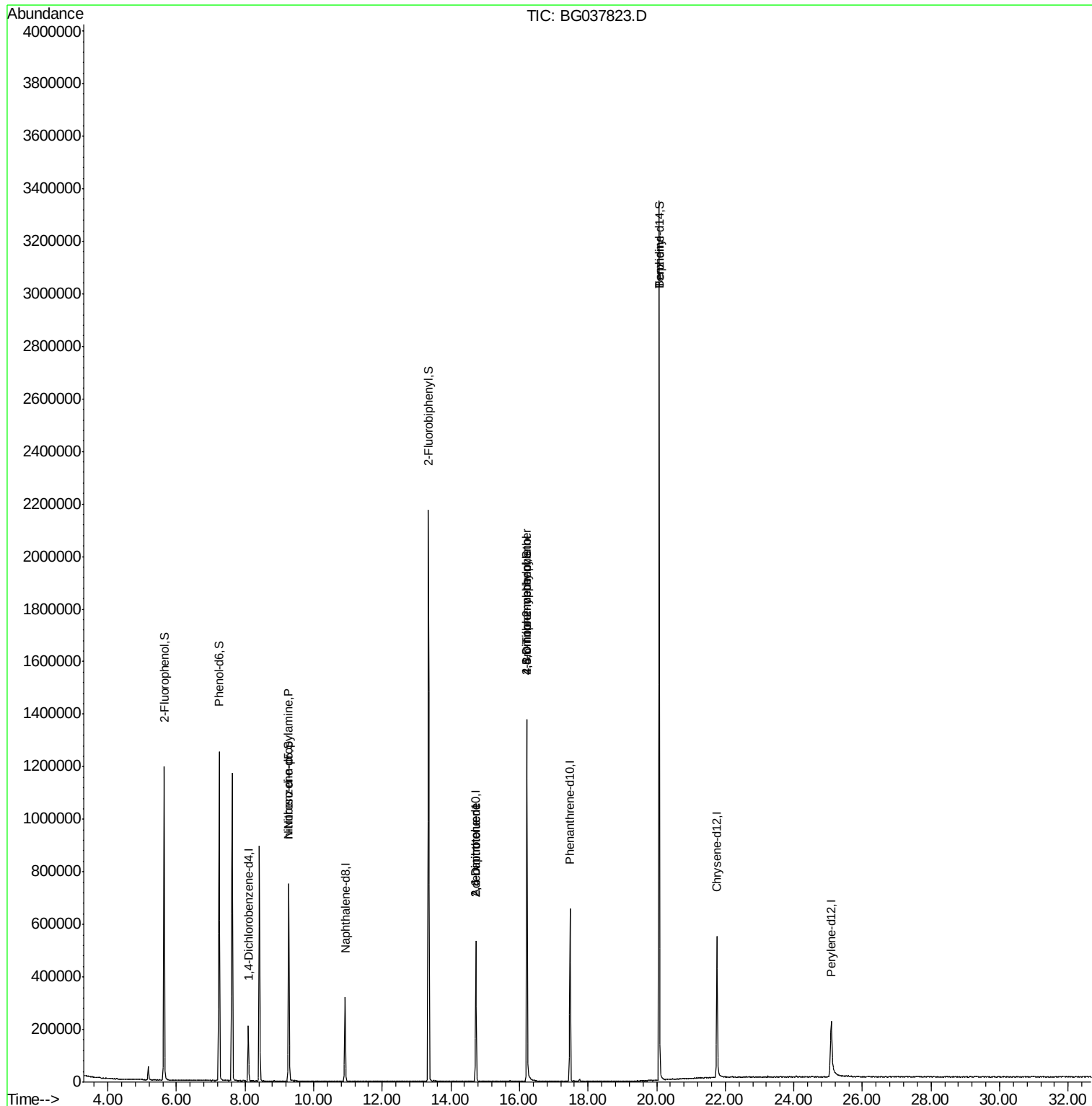
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	64721	20.00	ng	-0.01
21) Naphthalene-d8	10.92	136	293118	20.00	ng	-0.01
39) Acenaphthene-d10	14.73	164	194060	20.00	ng	-0.01
64) Phenanthrene-d10	17.47	188	426239	20.00	ng	-0.01
76) Chrysene-d12	21.76	240	382774	20.00	ng	-0.02
87) Perylene-d12	25.09	264	337025	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	559007	144.40	ng	0.00
7) Phenol-d6	7.24	99	809257	138.25	ng	0.00
23) Nitrobenzene-d5	9.27	82	483447	92.39	ng	-0.01
42) 2,4,6-Tribromophenol	16.22	330	263209	124.36	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	1194202	92.80	ng	-0.02
79) Terphenyl-d14	20.08	244	1662346	92.80	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	60904	15.109	ng	# 70
51) 2,6-Dinitrotoluene	14.73	165	25152	7.573	ng	# 24
57) 2,4-Dinitrotoluene	14.73	165	25152	5.769	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.22	198	702	8.766	ng	79
67) 4-Bromophenyl-phenylether	16.22	248	18715	3.998	ng	# 1
77) Benzidine	20.08	184	27276	2.096	ng	# 92

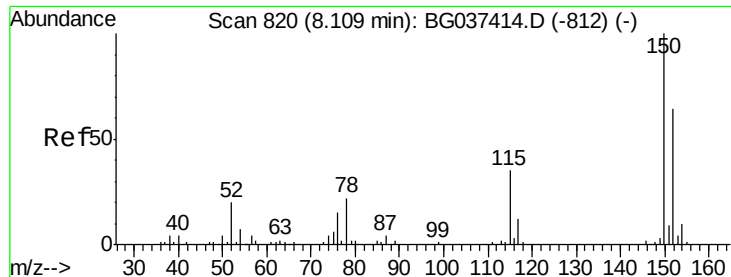
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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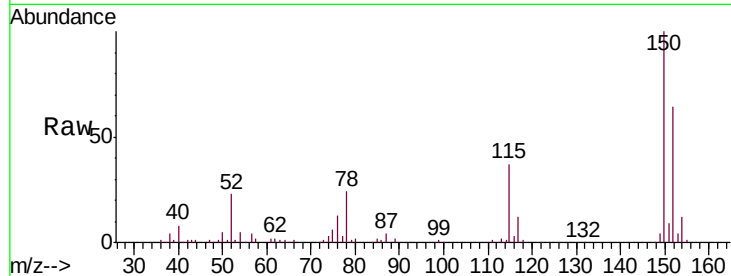




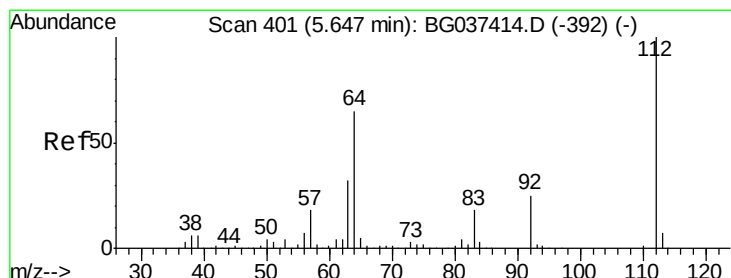
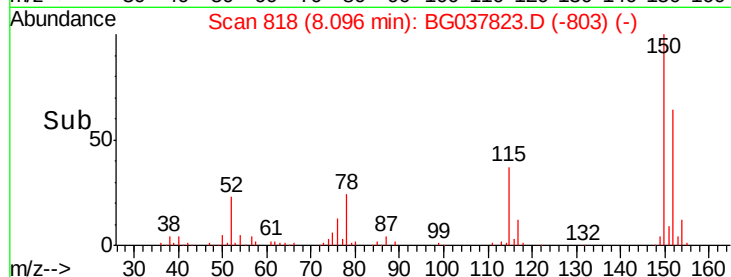
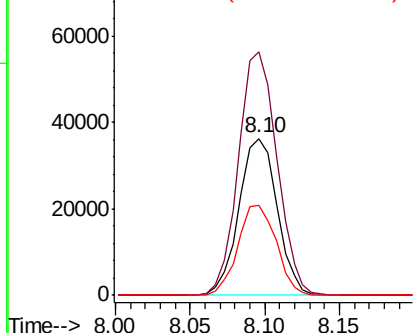
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.10 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BG037823.D
 Acq: 6 Nov 2018 4:11

Instrument :
 BNA_G
 ClientSampleId :
 PB114495BL

Tgt Ion:152 Resp: 64721
 Ion Ratio Lower Upper
 152 100
 150 155.3 126.0 189.0
 115 57.4 45.5 68.3

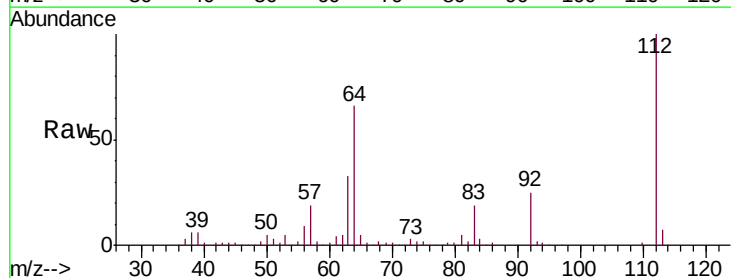


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

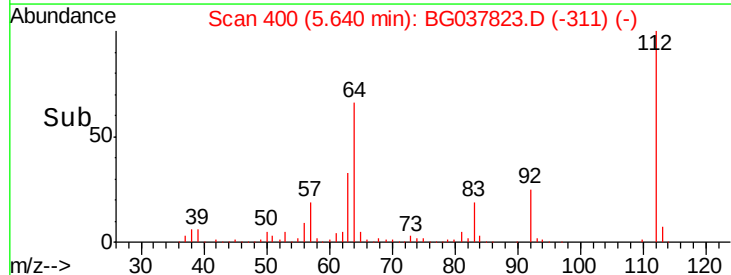
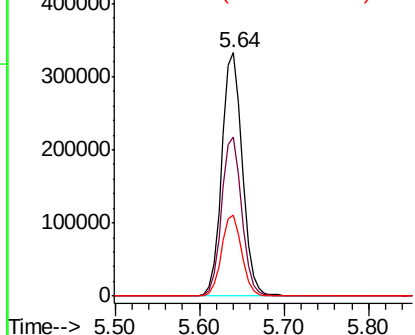


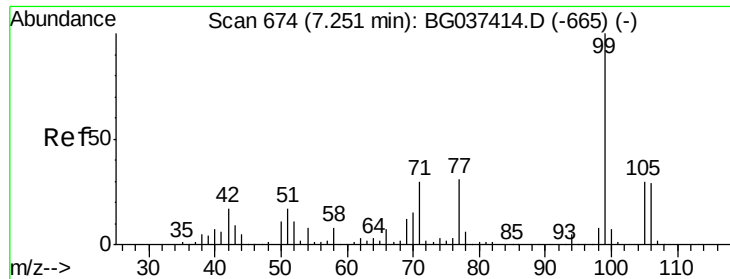
#5
 2-Fluorophenol
 Concen: 144.401 ng
 RT: 5.64 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: BG037823.D
 Acq: 6 Nov 2018 4:11

Tgt Ion:112 Resp: 559007
 Ion Ratio Lower Upper
 112 100
 64 65.5 53.1 79.7
 63 33.1 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: 138.246 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037823.D

Acq: 6 Nov 2018 4:11

Instrument :

BNA_G

ClientSampleId :

PB114495BL

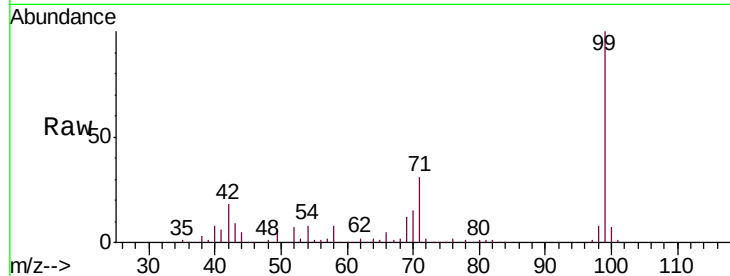
Tgt Ion: 99 Resp: 809257

Ion Ratio Lower Upper

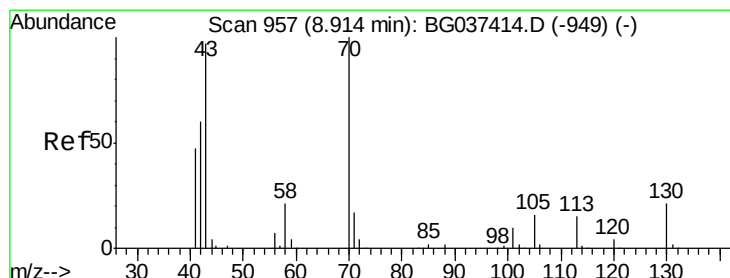
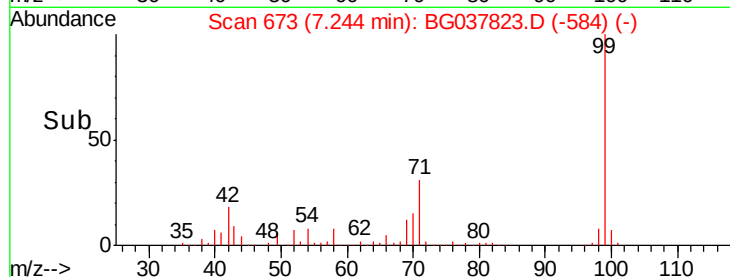
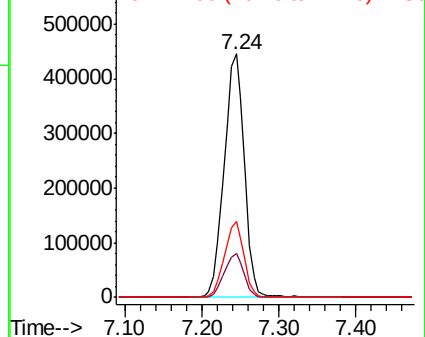
99 100

42 17.8 15.0 22.4

71 31.2 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: 15.109 ng

RT: 9.27 min Scan# 1018

Delta R.T. 0.36 min

Lab File: BG037823.D

Acq: 6 Nov 2018 4:11

Tgt Ion: 70 Resp: 60904

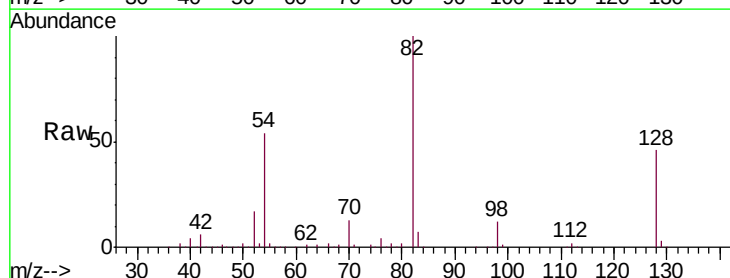
Ion Ratio Lower Upper

70 100

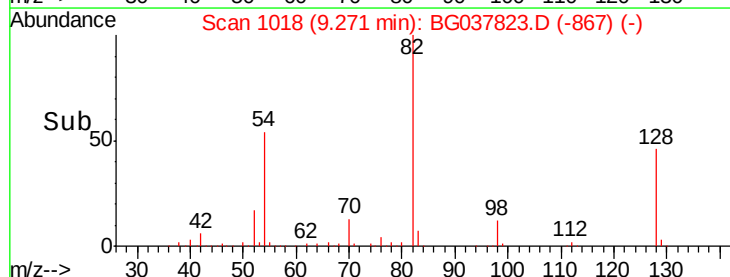
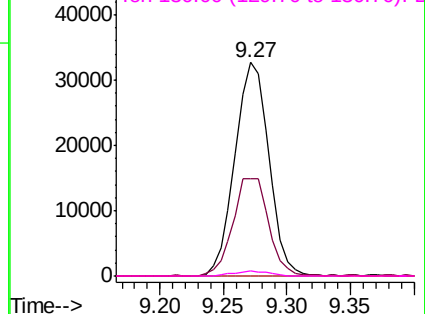
42 45.8 53.9 80.9#

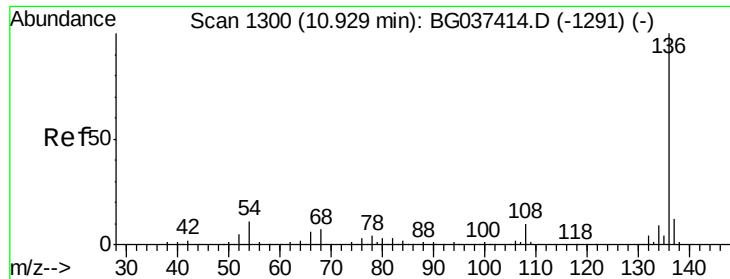
101 0.0 8.2 12.2#

130 2.5 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

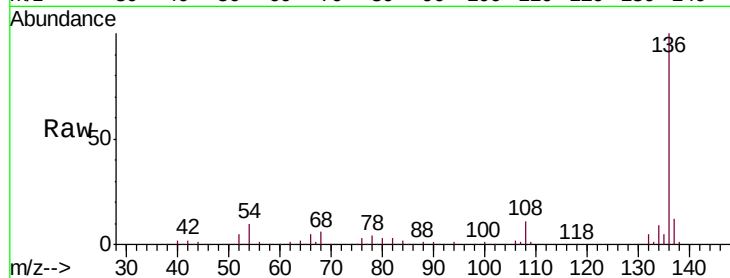




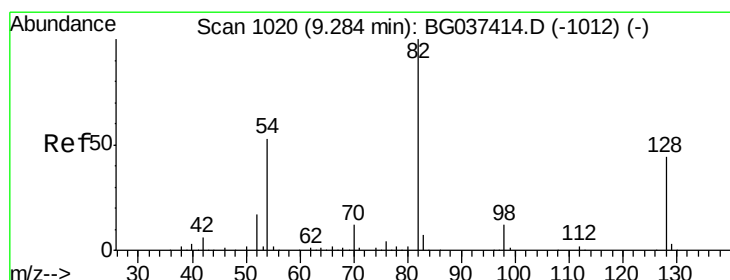
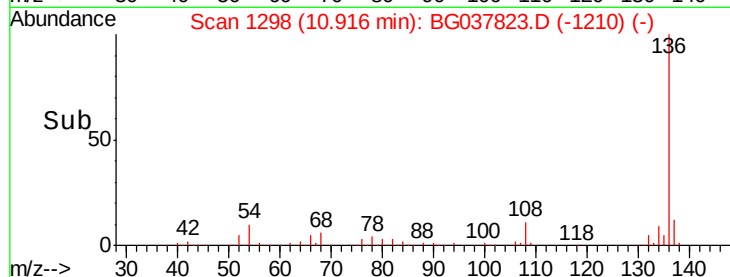
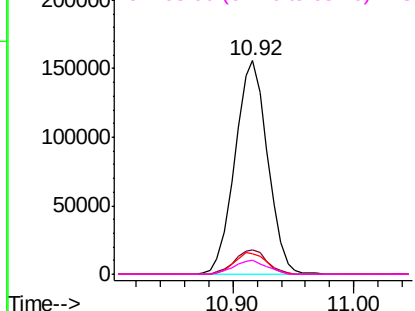
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BG037823.D
Acq: 6 Nov 2018 4:11

Instrument :
BNA_G
ClientSampleId :
PB114495BL

Tgt Ion:	136	Resp:	293118
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.6	14.4
54	9.8	7.9	11.9
68	6.3	4.8	7.2

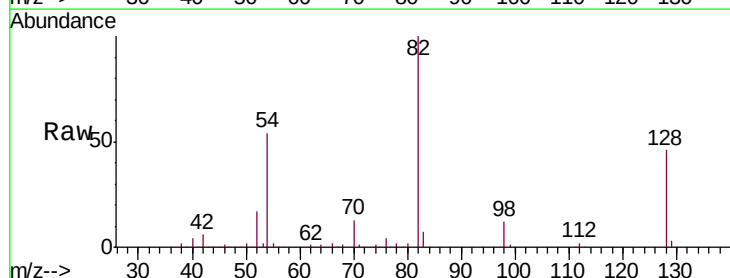


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

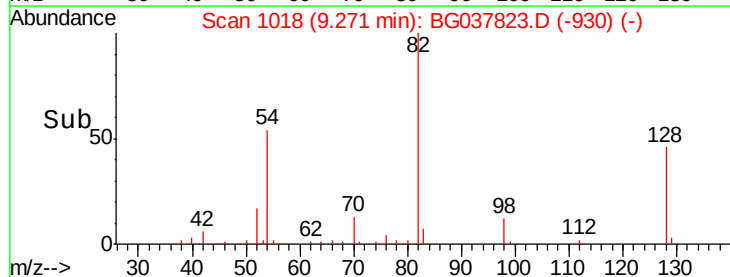
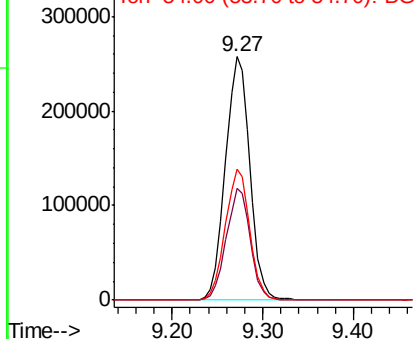


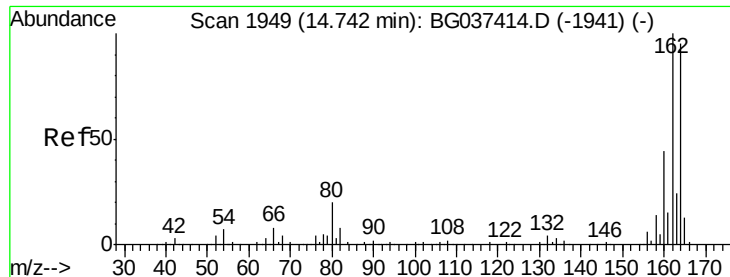
#23
Nitrobenzene-d5
Concen: 92.394 ng
RT: 9.27 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BG037823.D
Acq: 6 Nov 2018 4:11

Tgt Ion:	82	Resp:	483447
Ion	Ratio	Lower	Upper
82	100		
128	46.0	34.6	51.8
54	53.7	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: 14.73 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BG037823.D

Acq: 6 Nov 2018 4:11

Instrument :

BNA_G

ClientSampleId :

PB114495BL

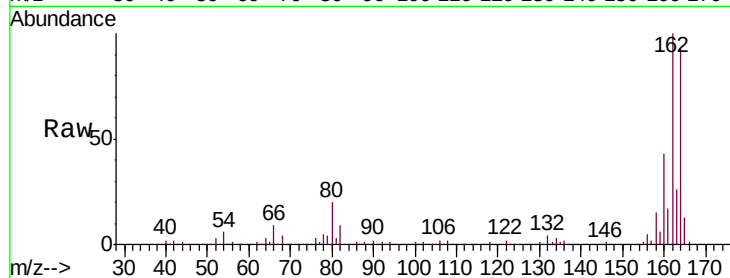
Tgt Ion:164 Resp: 194060

Ion Ratio Lower Upper

164 100

162 107.1 81.3 121.9

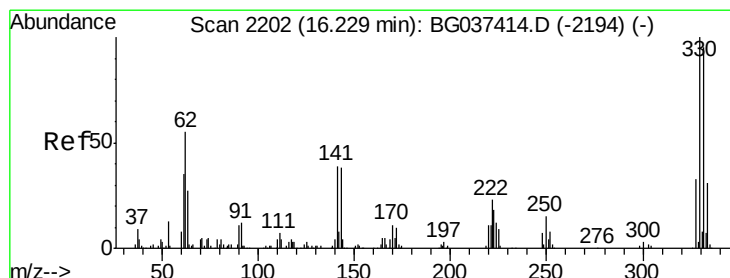
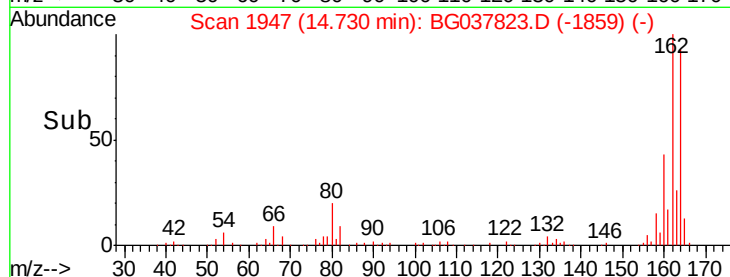
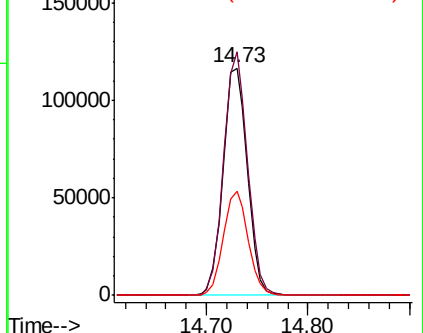
160 45.6 36.3 54.5



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: 124.355 ng

RT: 16.22 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG037823.D

Acq: 6 Nov 2018 4:11

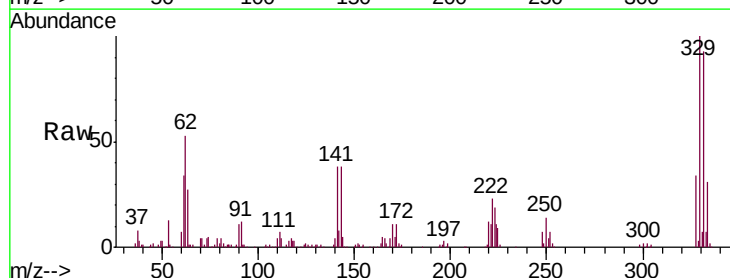
Tgt Ion:330 Resp: 263209

Ion Ratio Lower Upper

330 100

332 94.4 78.4 117.6

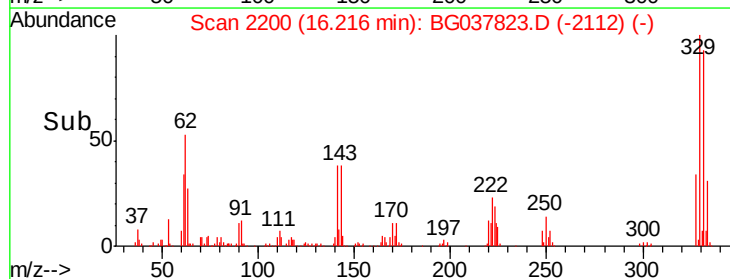
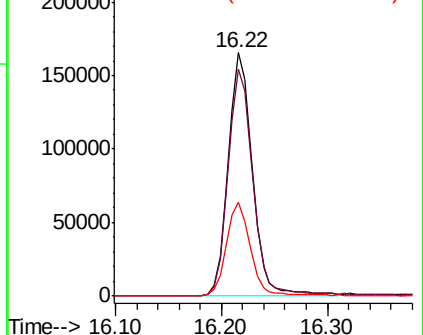
141 38.0 32.2 48.2

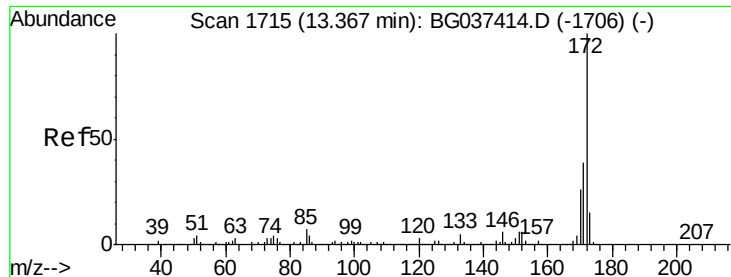


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

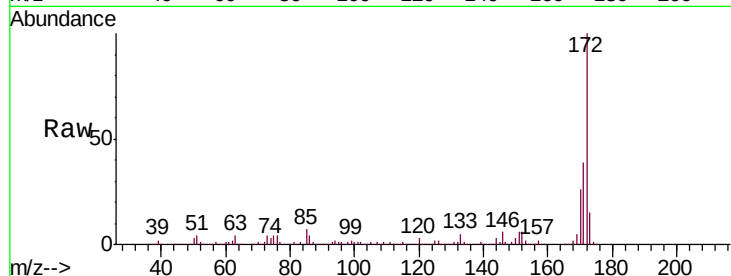




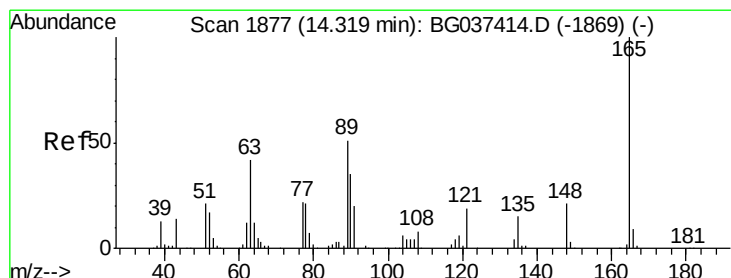
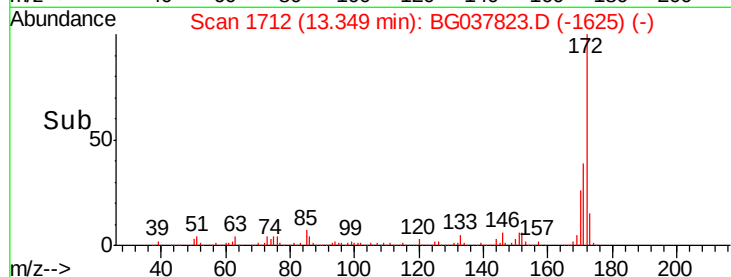
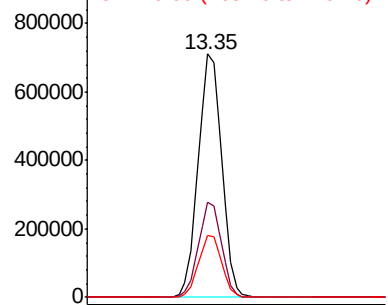
#45
 2-Fluorobiphenyl
 Concen: 92.796 ng
 RT: 13.35 min Scan# 1712
 Delta R.T. -0.02 min
 Lab File: BG037823.D
 Acq: 6 Nov 2018 4:11

Instrument :
 BNA_G
 ClientSampleId :
 PB114495BL

Tgt Ion:172 Resp: 1194202
 Ion Ratio Lower Upper
 172 100
 171 39.0 31.0 46.4
 170 25.5 20.2 30.2

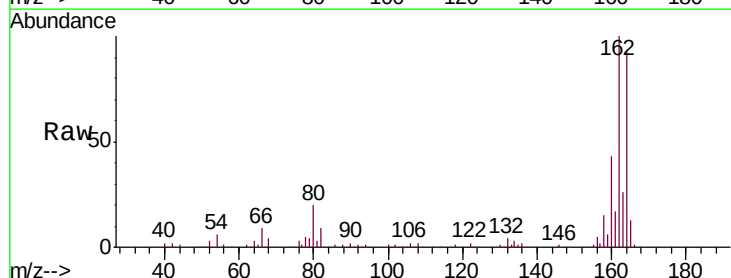


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

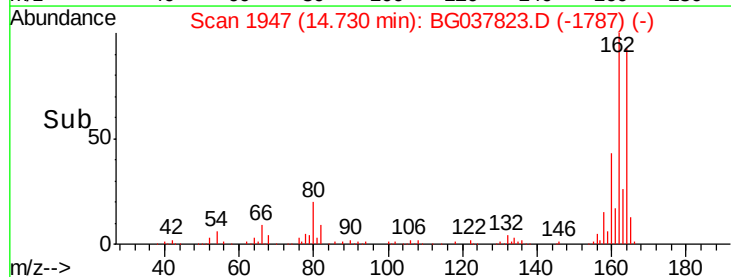
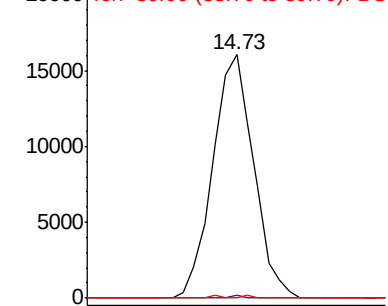


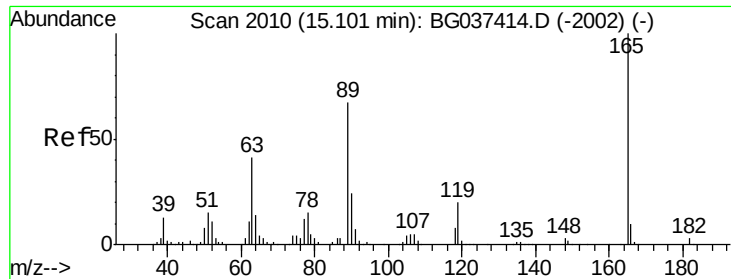
#51
 2,6-Dinitrotoluene
 Concen: 7.573 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. 0.41 min
 Lab File: BG037823.D
 Acq: 6 Nov 2018 4:11

Tgt Ion:165 Resp: 25152
 Ion Ratio Lower Upper
 165 100
 63 1.3 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): BG
 Ion 89.00 (88.70 to 89.70): BG

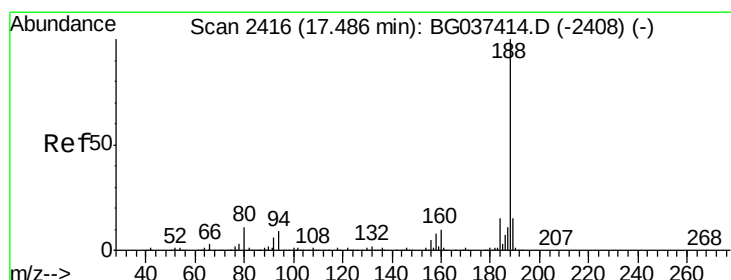
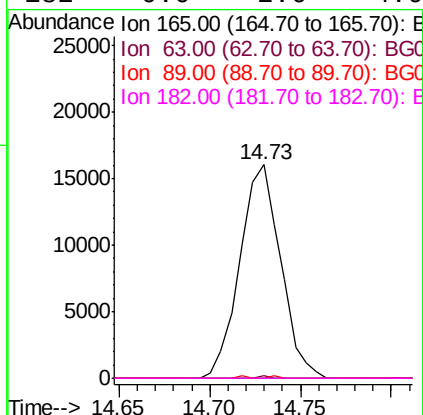
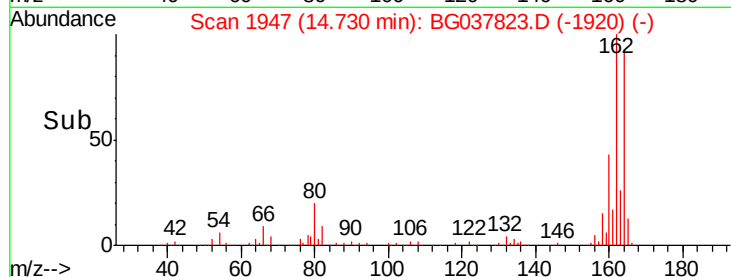
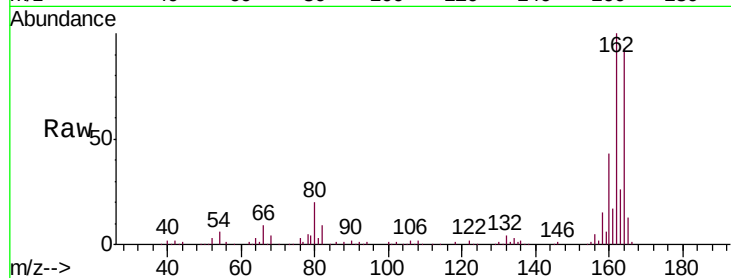




#57
 2,4-Dinitrotoluene
 Concen: 5.769 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. -0.37 min
 Lab File: BG037823.D
 Acq: 6 Nov 2018 4:11

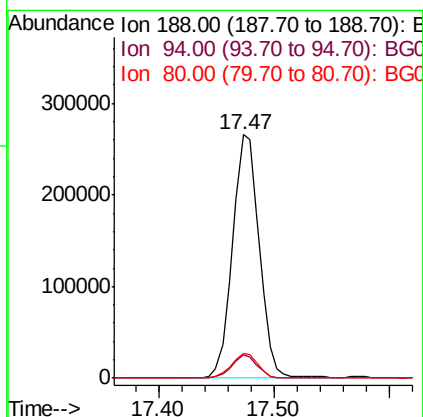
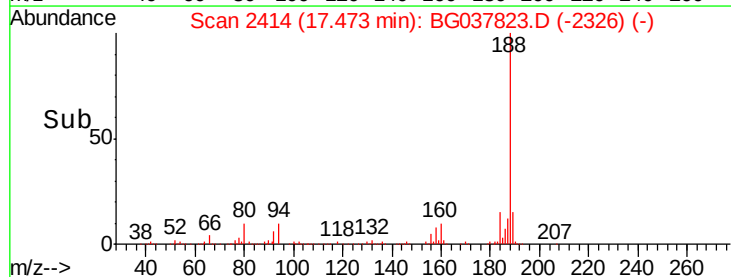
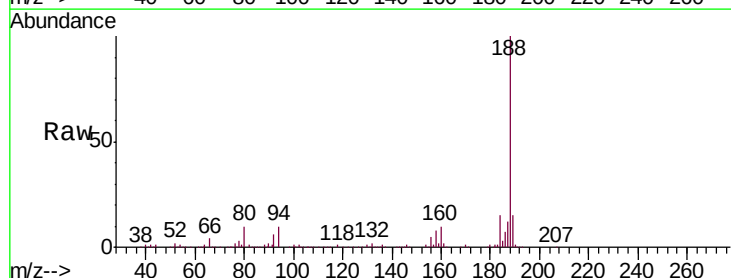
Instrument :
 BNA_G
 ClientSampleId :
 PB114495BL

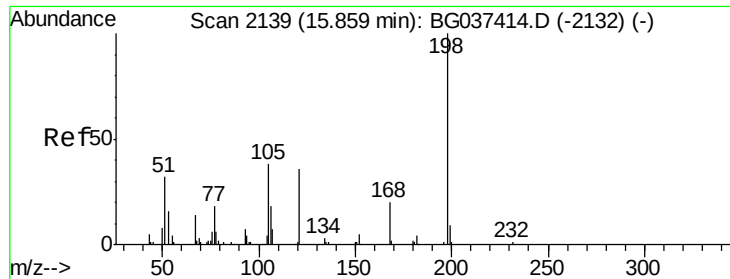
Tgt Ion:	165	Resp:	25152
Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.4	50.0#
89	0.0	57.2	85.8#
182	0.0	2.6	4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2414
 Delta R.T. -0.01 min
 Lab File: BG037823.D
 Acq: 6 Nov 2018 4:11

Tgt Ion:	188	Resp:	426239
Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.2	10.8
80	10.0	7.7	11.5

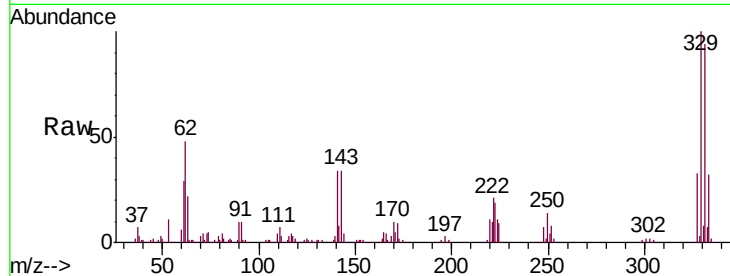




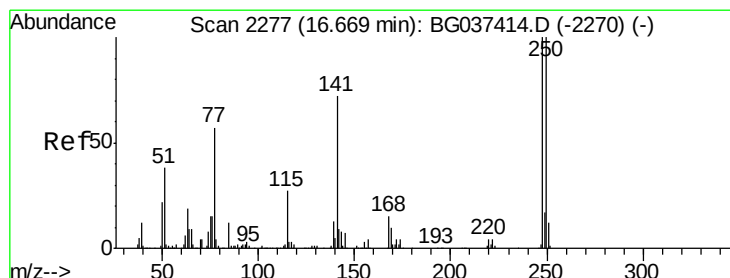
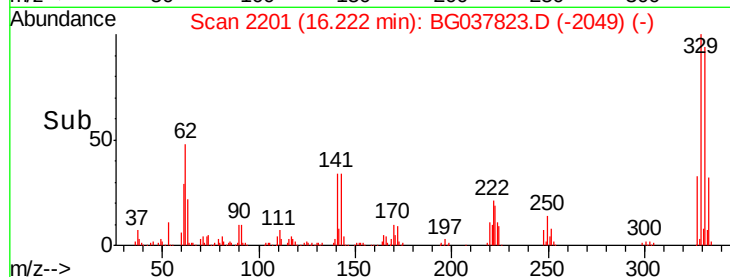
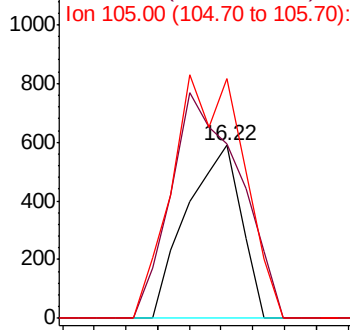
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.766 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. 0.36 min
 Lab File: BG037823.D
 Acq: 6 Nov 2018 4:11

Instrument :
 BNA_G
 ClientSampled :
 PB114495BL

Tgt Ion:198 Resp: 702
 Ion Ratio Lower Upper
 198 100
 51 24.0 22.7 62.7
 105 32.8 19.7 59.7

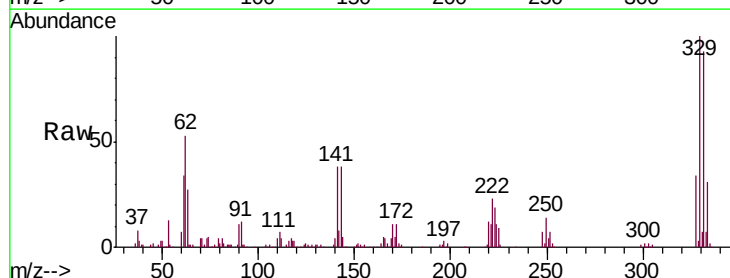


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

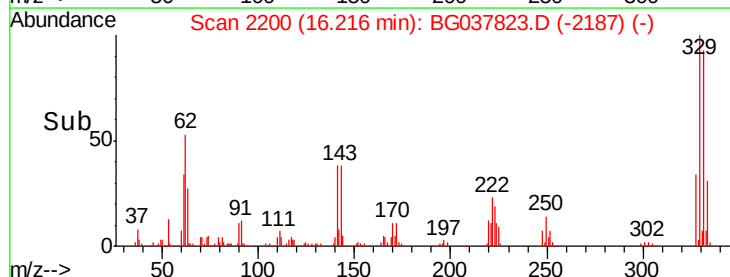
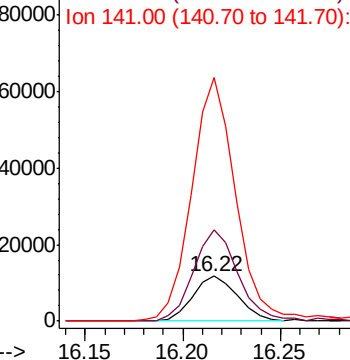


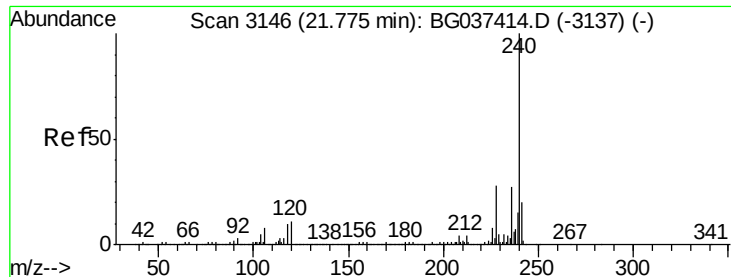
#67
 4-Bromophenyl-phenylether
 Concen: 3.998 ng
 RT: 16.22 min Scan# 2200
 Delta R.T. -0.45 min
 Lab File: BG037823.D
 Acq: 6 Nov 2018 4:11

Tgt Ion:248 Resp: 18715
 Ion Ratio Lower Upper
 248 100
 250 198.6 77.0 115.6#
 141 404.4 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

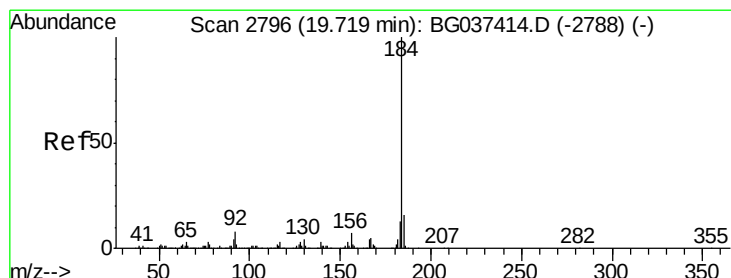
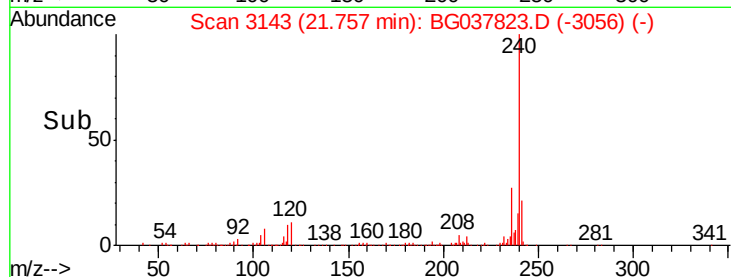
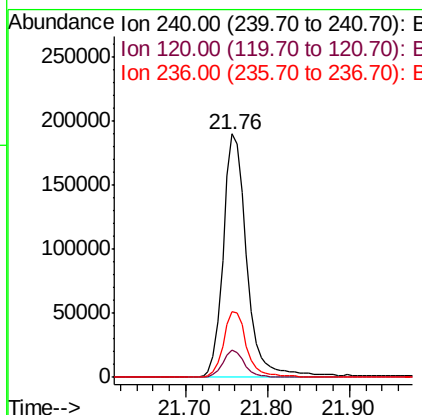
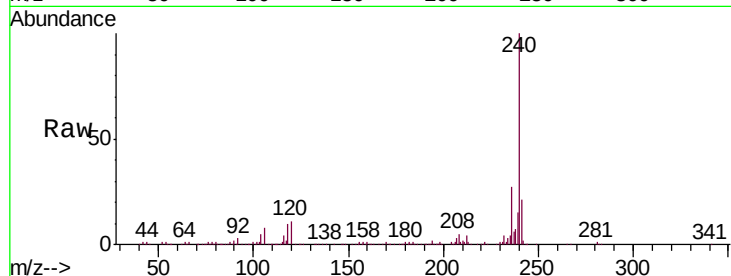




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3143
Delta R.T. -0.02 min
Lab File: BG037823.D
Acq: 6 Nov 2018 4:11

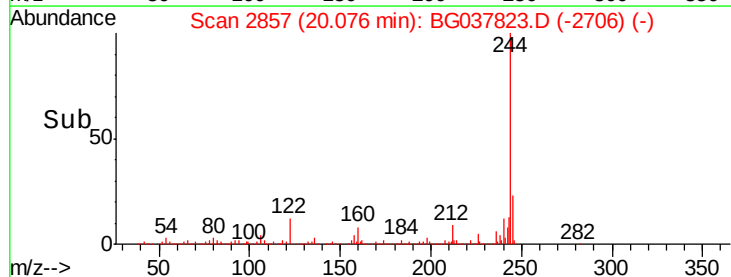
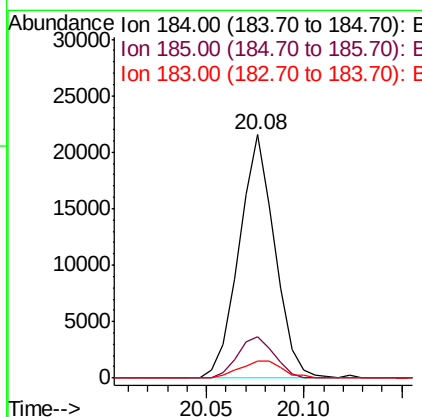
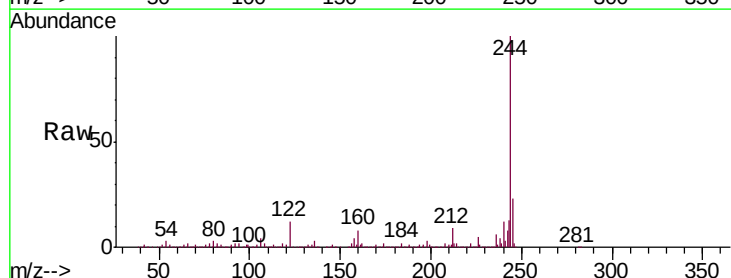
Instrument :
BNA_G
ClientSampleId :
PB114495BL

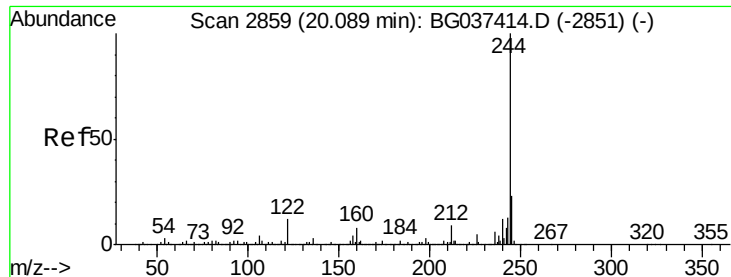
Tgt Ion:240 Resp: 382774
Ion Ratio Lower Upper
240 100
120 11.0 8.1 12.1
236 26.9 21.4 32.0



#77
Benzidine
Concen: 2.096 ng
RT: 20.08 min Scan# 2857
Delta R.T. 0.36 min
Lab File: BG037823.D
Acq: 6 Nov 2018 4:11

Tgt Ion:184 Resp: 27276
Ion Ratio Lower Upper
184 100
185 16.9 12.6 18.8
183 7.0 10.2 15.2#





#79

Terphenyl-d14

Concen: 92.797 ng

RT: 20.08 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BG037823.D

Acq: 6 Nov 2018 4:11

Instrument :

BNA_G

ClientSampleId :

PB114495BL

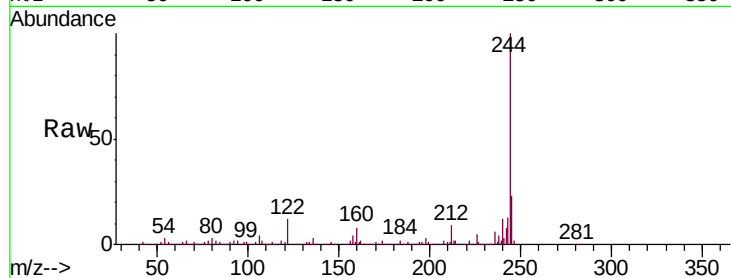
Tgt Ion:244 Resp: 1662346

Ion Ratio Lower Upper

244 100

212 8.8 6.5 9.7

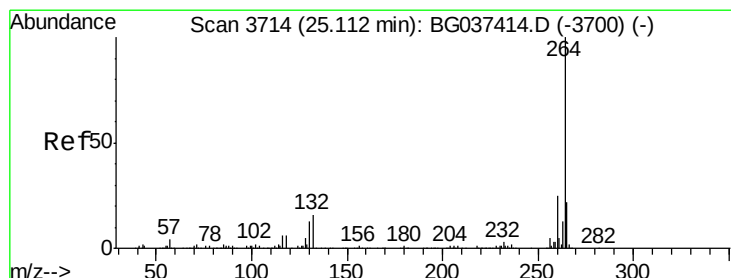
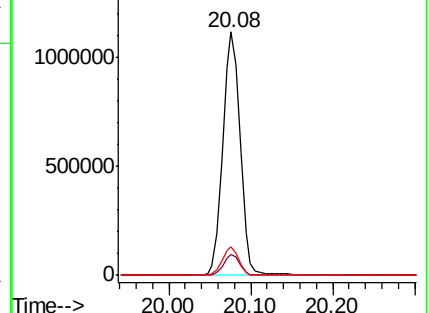
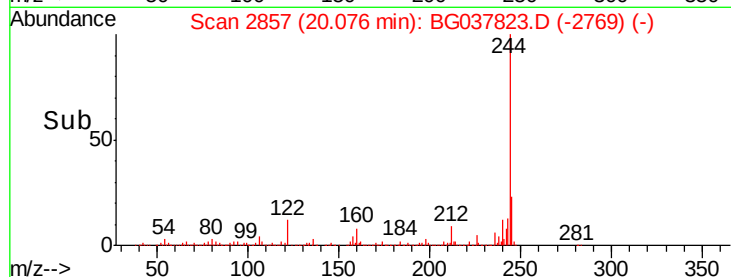
122 11.6 9.0 13.4



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# 3710

Delta R.T. -0.02 min

Lab File: BG037823.D

Acq: 6 Nov 2018 4:11

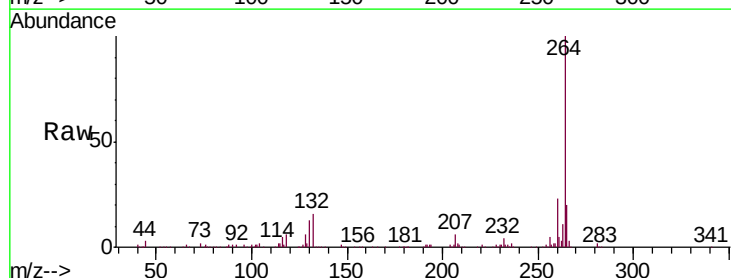
Tgt Ion:264 Resp: 337025

Ion Ratio Lower Upper

264 100

260 22.9 18.2 27.4

265 19.8 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

