

Data File : BG037826.D
Acq On : 6 Nov 2018 6:23
Operator : JU/SJ
Sample : PB114495TB
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB114495TB

Quant Time: Nov 06 08:24:03 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

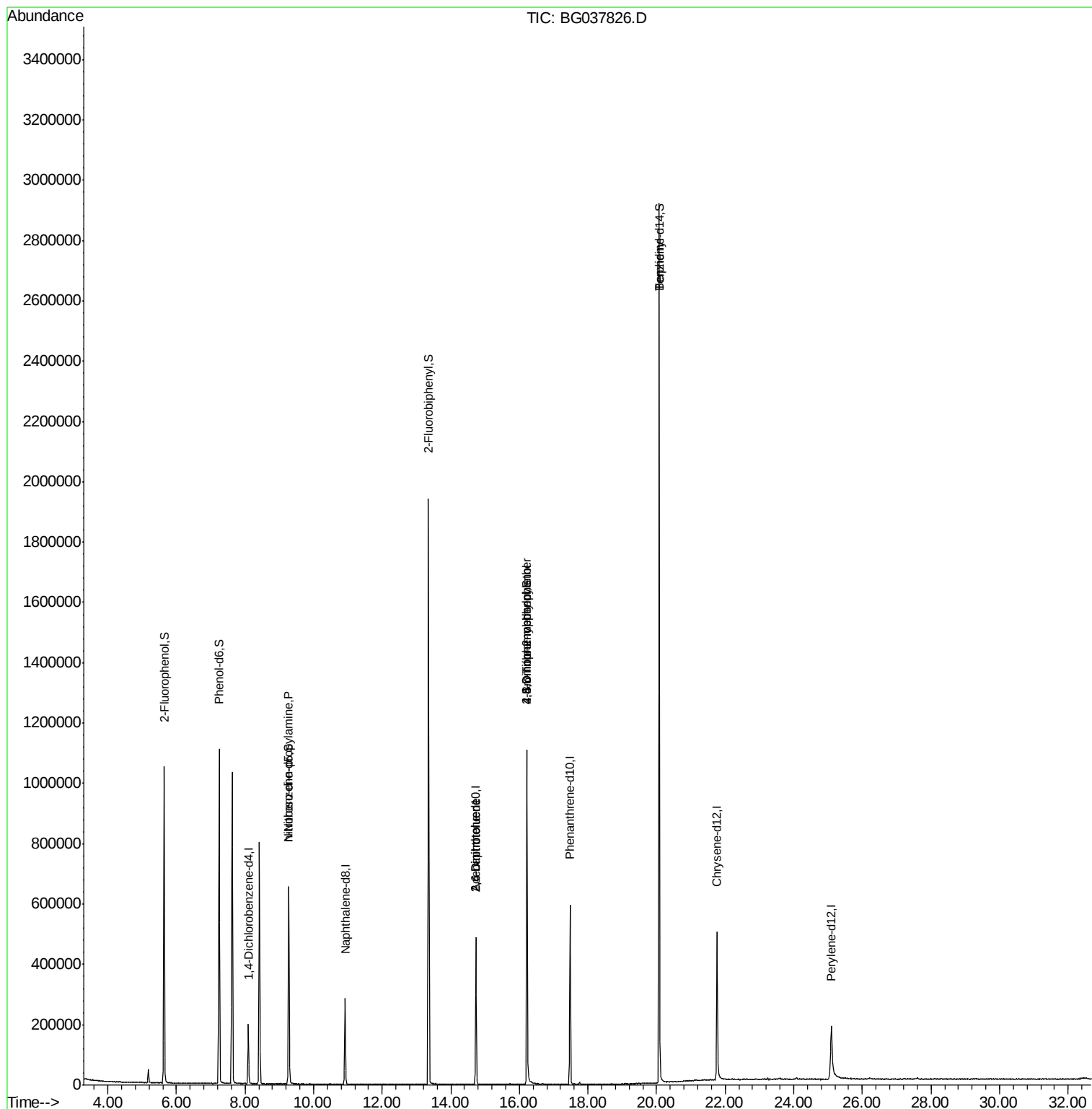
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	59299	20.00	ng	-0.01
21) Naphthalene-d8	10.92	136	263062	20.00	ng	-0.01
39) Acenaphthene-d10	14.73	164	174918	20.00	ng	-0.01
64) Phenanthrene-d10	17.48	188	386224	20.00	ng	0.00
76) Chrysene-d12	21.76	240	353169	20.00	ng	-0.01
87) Perylene-d12	25.09	264	287729	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	497628	140.30	ng	0.00
7) Phenol-d6	7.24	99	714076	133.14	ng	0.00
23) Nitrobenzene-d5	9.27	82	426870	90.90	ng	-0.01
42) 2,4,6-Tribromophenol	16.22	330	223926	117.37	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	1078470	92.97	ng	-0.01
79) Terphenyl-d14	20.08	244	1493815	90.38	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	52719	14.274	ng	# 73
51) 2,6-Dinitrotoluene	14.73	165	22578	7.542	ng	# 27
57) 2,4-Dinitrotoluene	14.73	165	22578	5.746	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.22	198	526	8.721	ng	71
67) 4-Bromophenyl-phenylether	16.22	248	15803	3.726	ng	# 1
77) Benzidine	20.08	184	24356	2.028	ng	# 94

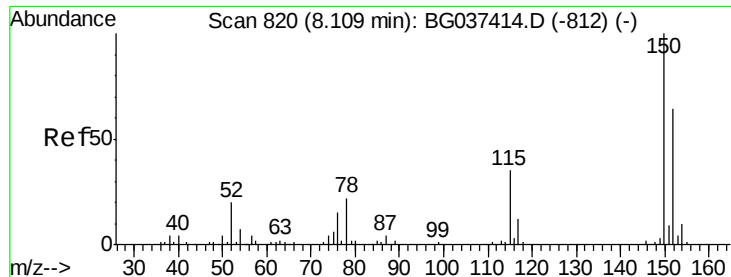
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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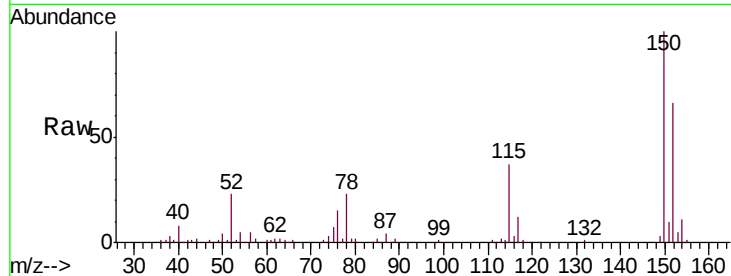


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 818
Delta R.T. -0.01 min
Lab File: BG037826.D
Acq: 6 Nov 2018 6:23

Instrument :
BNA_G
ClientSampleId :
PB114495TB

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.1	126.0	189.0
115	56.4	45.5	68.3

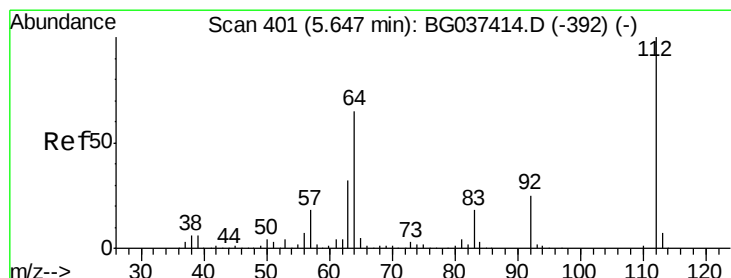
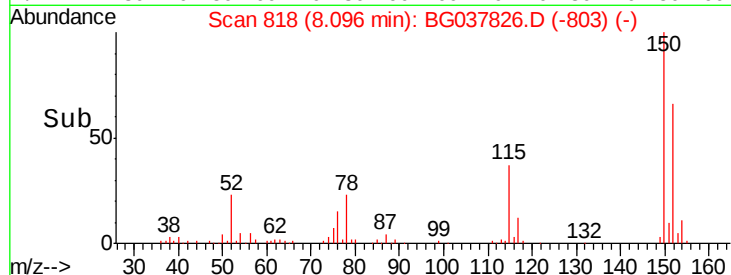
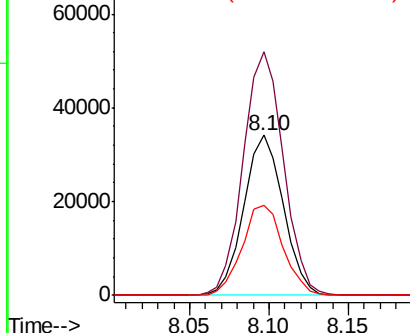


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

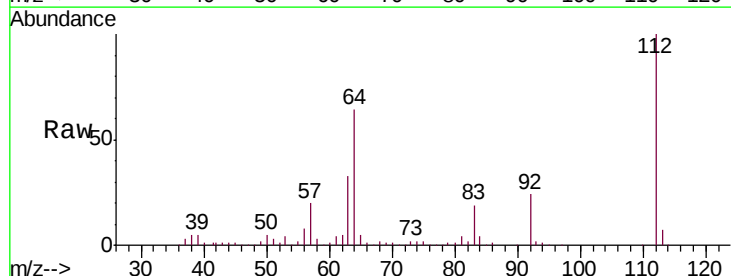
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 140.299 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037826.D
Acq: 6 Nov 2018 6:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.8	53.1	79.7
63	33.2	27.3	40.9

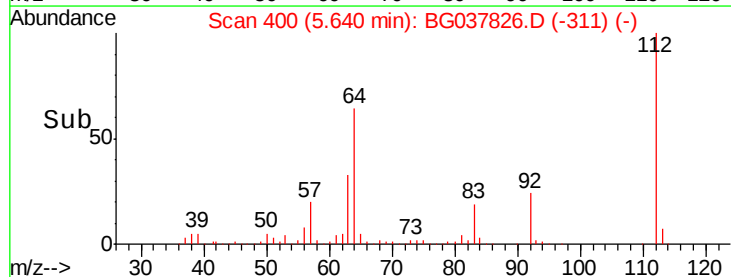
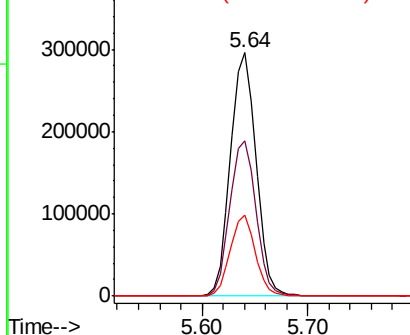


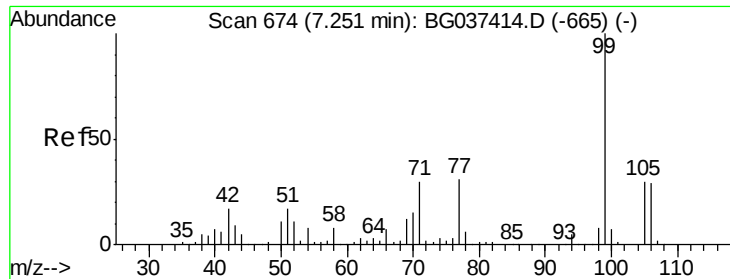
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 133.140 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037826.D

Acq: 6 Nov 2018 6:23

Instrument :

BNA_G

ClientSampleId :

PB114495TB

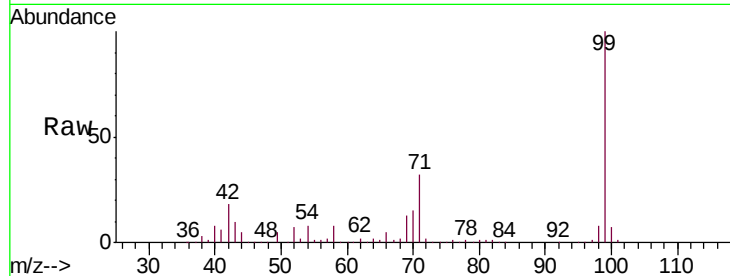
Tgt Ion: 99 Resp: 714076

Ion Ratio Lower Upper

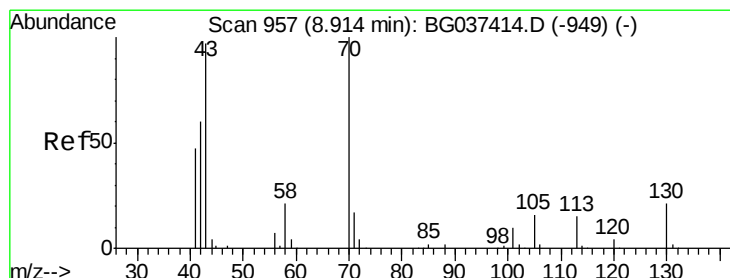
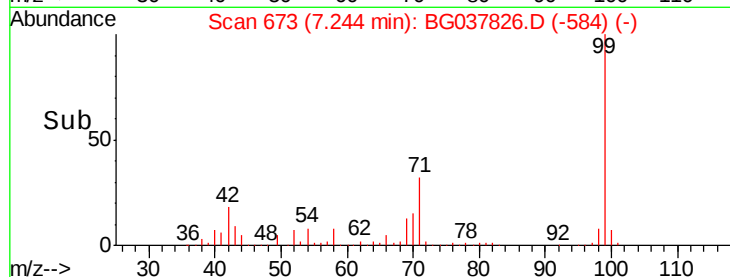
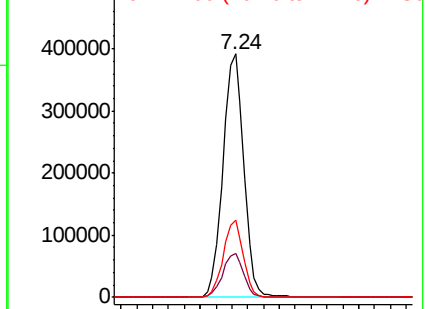
99 100

42 18.0 15.0 22.4

71 31.8 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: 14.274 ng

RT: 9.27 min Scan# 1018

Delta R.T. 0.36 min

Lab File: BG037826.D

Acq: 6 Nov 2018 6:23

Tgt Ion: 70 Resp: 52719

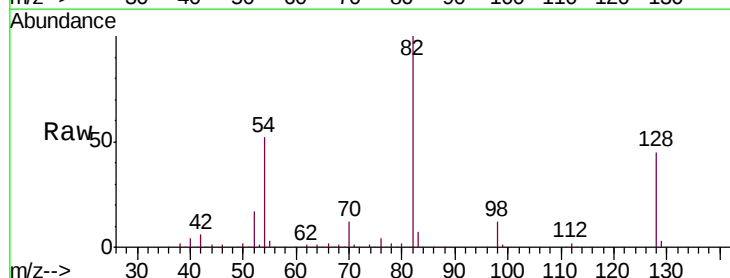
Ion Ratio Lower Upper

70 100

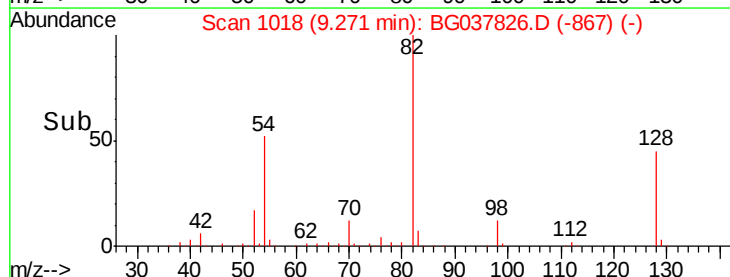
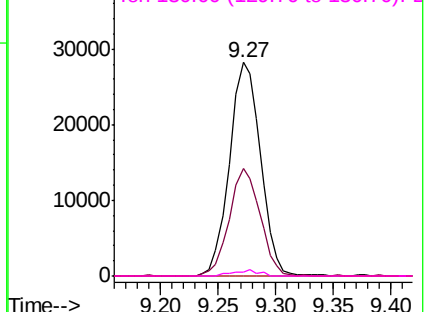
42 50.4 53.9 80.9#

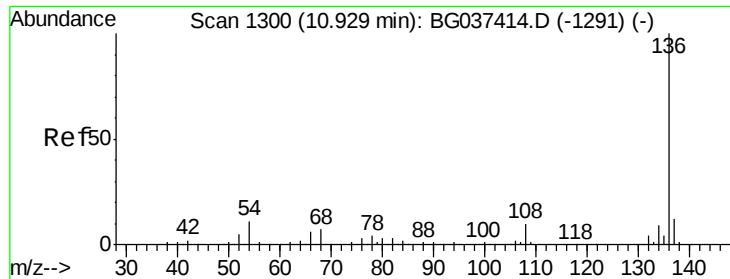
101 0.0 8.2 12.2#

130 2.0 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

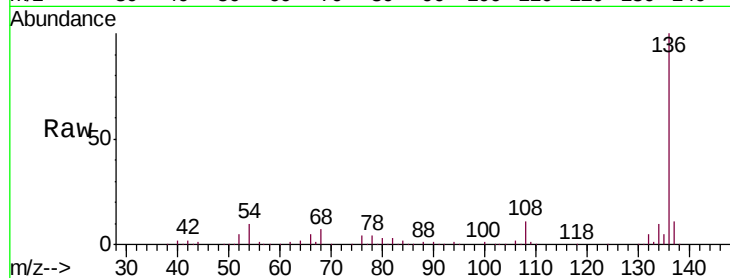




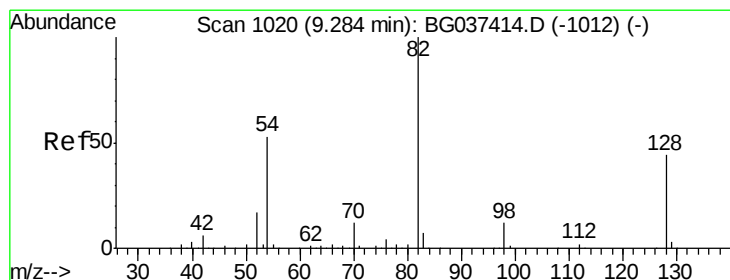
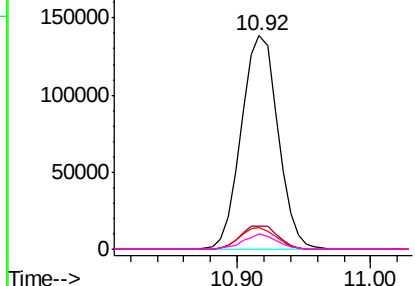
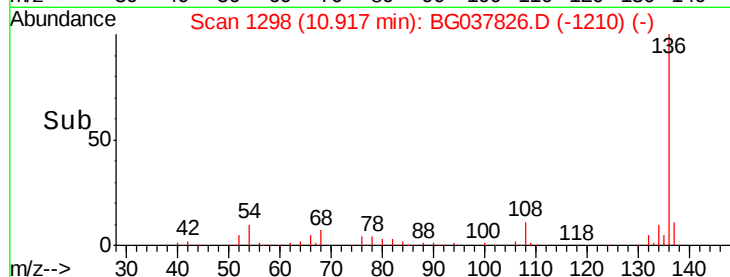
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BG037826.D
Acq: 6 Nov 2018 6:23

Instrument :
BNA_G
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PB114495TB

Tgt Ion:	136	Resp:	263062
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.6	14.4
54	10.2	7.9	11.9
68	6.9	4.8	7.2

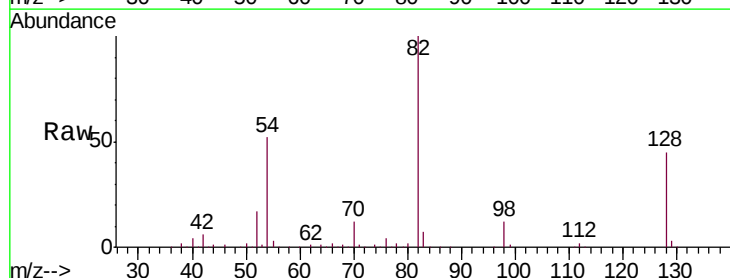


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

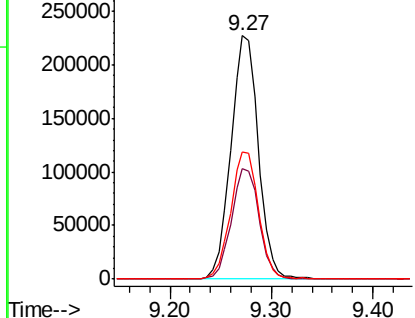
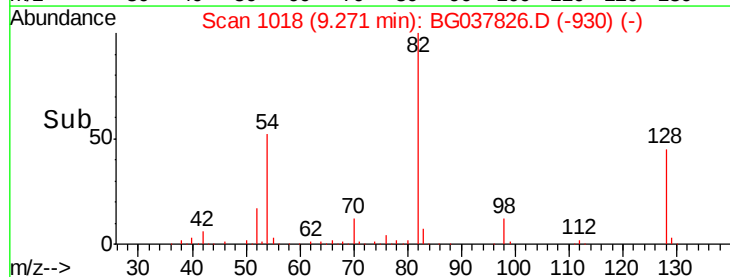


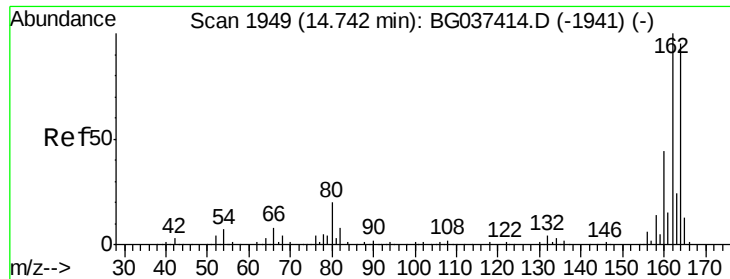
#23
Nitrobenzene-d5
Concen: 90.902 ng
RT: 9.27 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BG037826.D
Acq: 6 Nov 2018 6:23

Tgt Ion:	82	Resp:	426870
Ion	Ratio	Lower	Upper
82	100		
128	45.2	34.6	51.8
54	52.4	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: BG037826.D

Acq: 6 Nov 2018 6:23

Instrument :

BNA_G

ClientSampleId :

PB114495TB

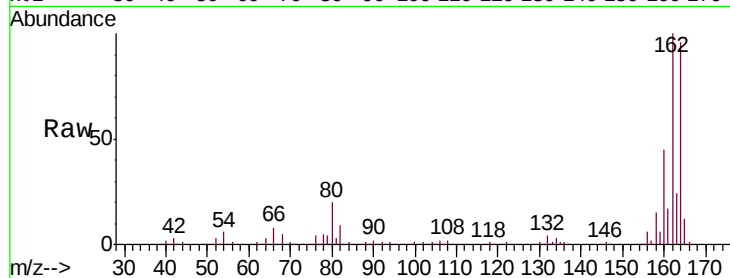
Tgt Ion:164 Resp: 174918

Ion Ratio Lower Upper

164 100

162 103.8 81.3 121.9

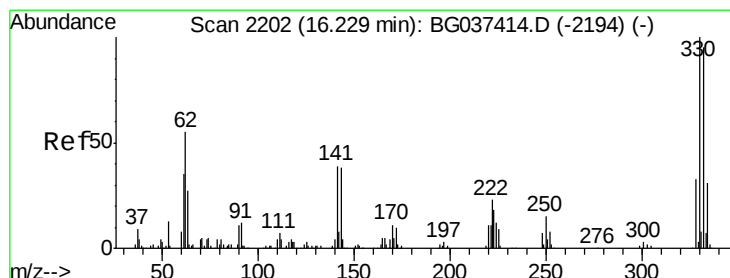
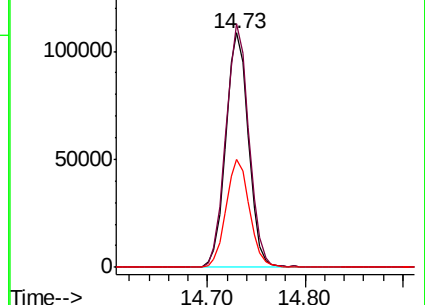
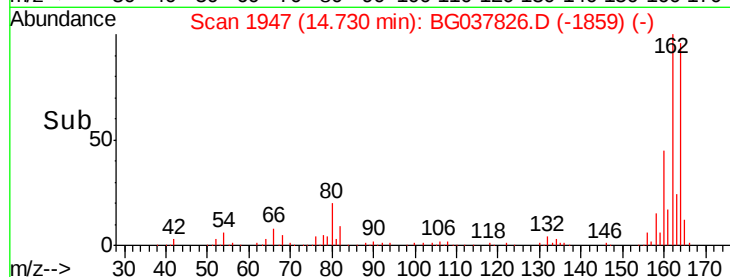
160 46.2 36.3 54.5



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: 117.373 ng

RT: 16.22 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG037826.D

Acq: 6 Nov 2018 6:23

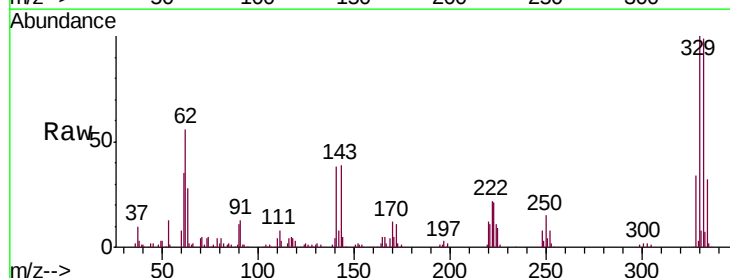
Tgt Ion:330 Resp: 223926

Ion Ratio Lower Upper

330 100

332 97.3 78.4 117.6

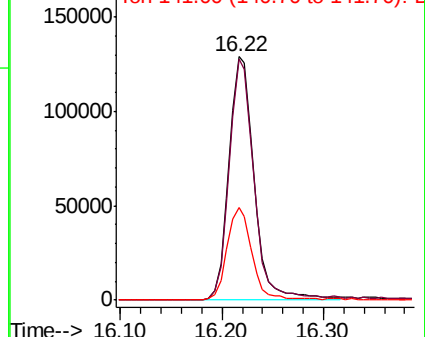
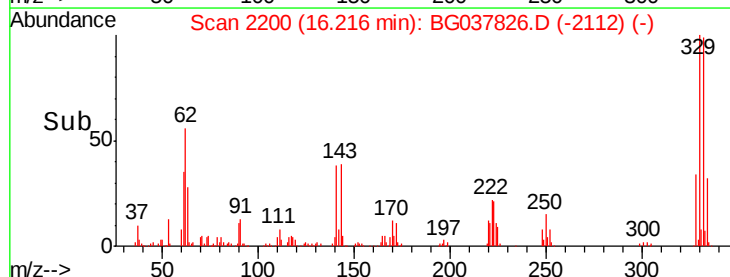
141 37.4 32.2 48.2

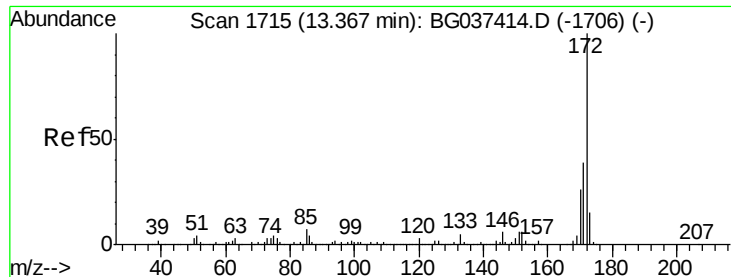


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

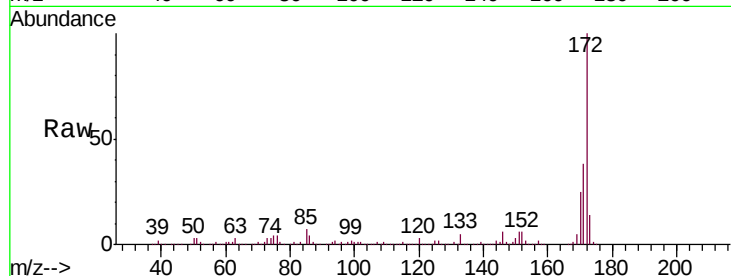




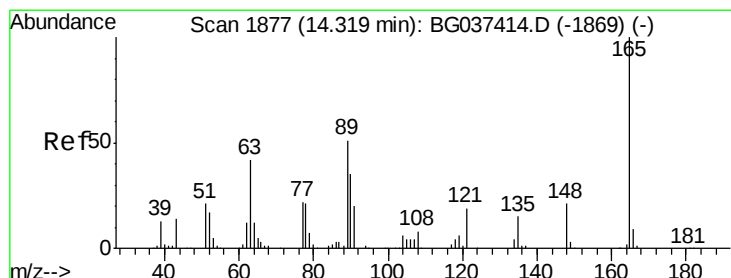
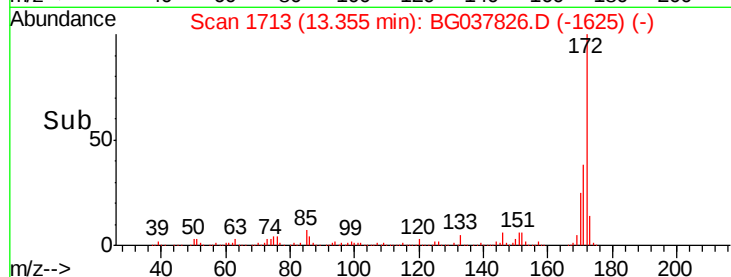
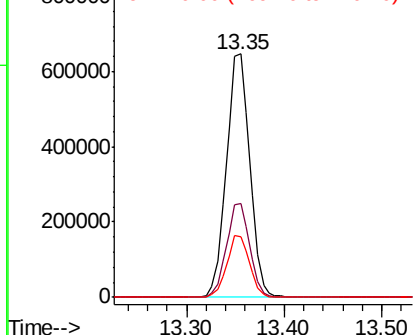
#45
2-Fluorobiphenyl
Concen: 92.973 ng
RT: 13.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: BG037826.D
Acq: 6 Nov 2018 6:23

Instrument :
BNA_G
ClientSampleId :
PB114495TB

Tgt Ion:172 Resp: 1078470
Ion Ratio Lower Upper
172 100
171 38.3 31.0 46.4
170 25.0 20.2 30.2

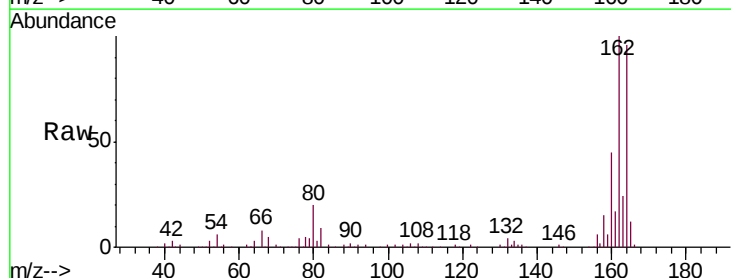


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

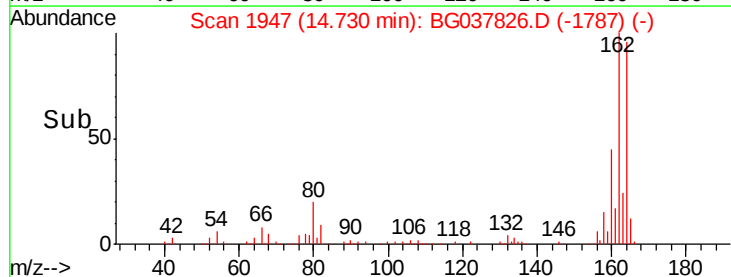
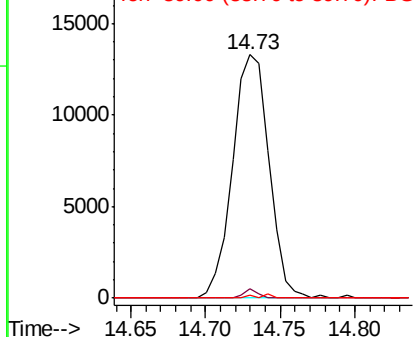


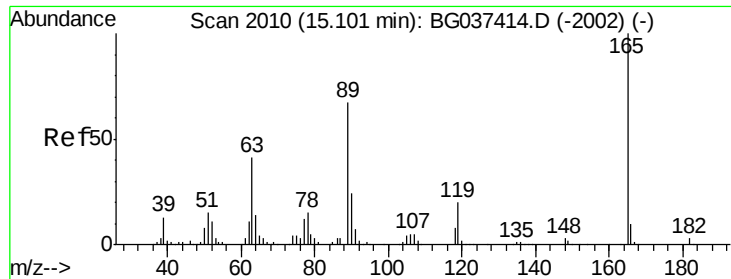
#51
2,6-Dinitrotoluene
Concen: 7.542 ng
RT: 14.73 min Scan# 1947
Delta R.T. 0.41 min
Lab File: BG037826.D
Acq: 6 Nov 2018 6:23

Tgt Ion:165 Resp: 22578
Ion Ratio Lower Upper
165 100
63 4.1 43.4 65.2#
89 1.4 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

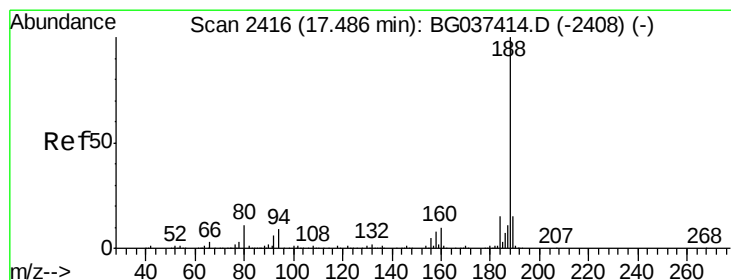
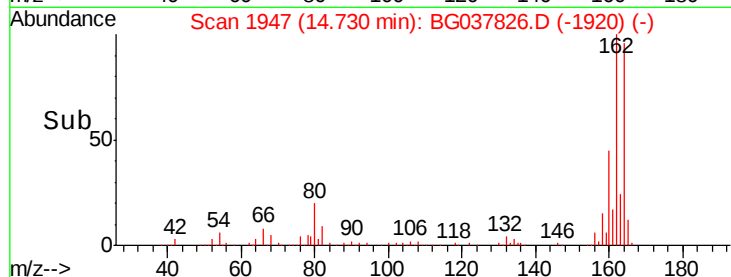
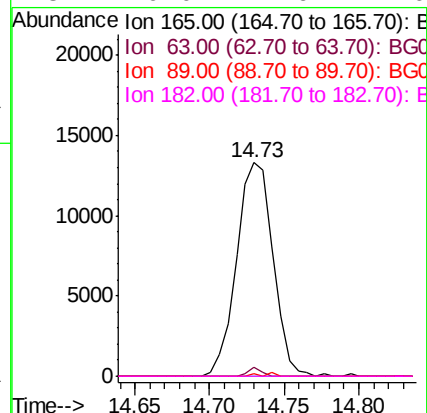
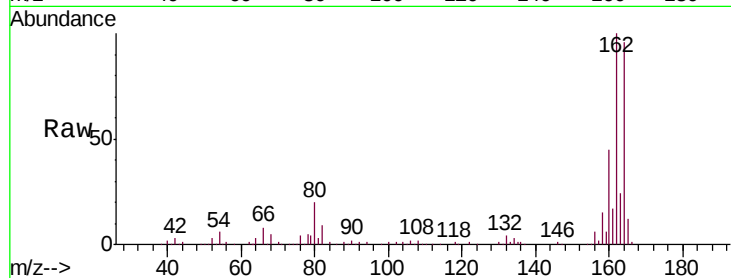




#57
2,4-Dinitrotoluene
Concen: 5.746 ng
RT: 14.73 min Scan# 1947
Delta R.T. -0.37 min
Lab File: BG037826.D
Acq: 6 Nov 2018 6:23

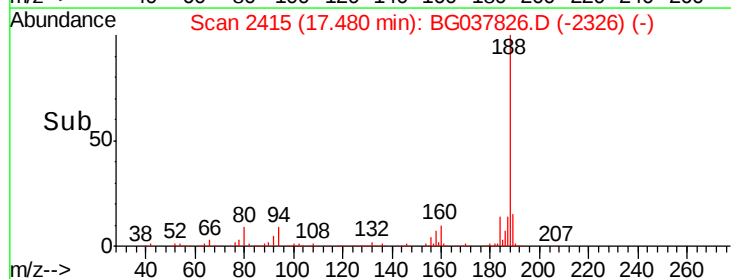
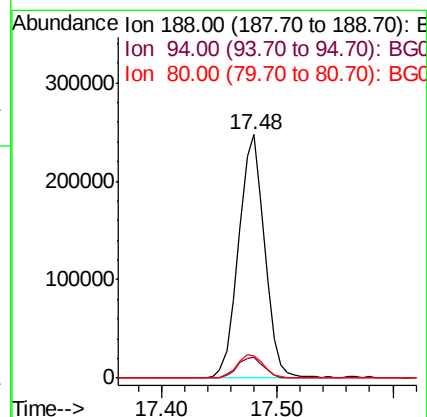
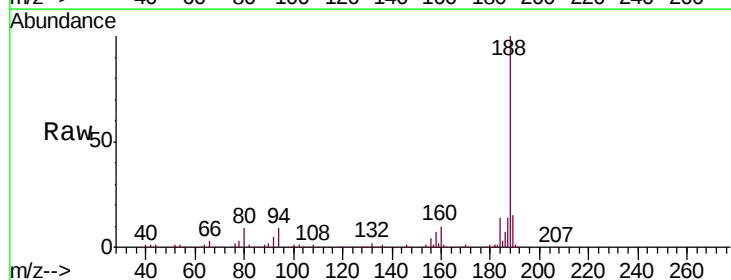
Instrument :
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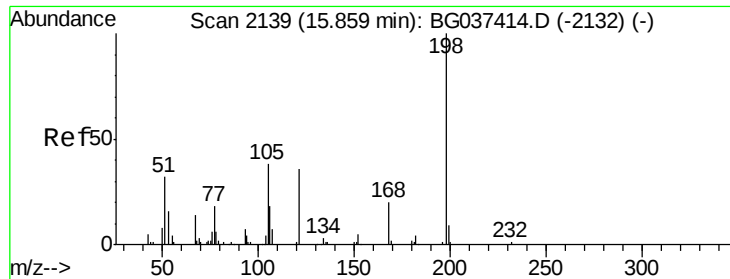
Tgt Ion:	165	Resp:	22578
Ion	Ratio	Lower	Upper
165	100		
63	4.1	33.4	50.0#
89	1.4	57.2	85.8#
182	0.0	2.6	4.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BG037826.D
Acq: 6 Nov 2018 6:23

Tgt Ion:	188	Resp:	386224
Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.2	10.8
80	9.3	7.7	11.5

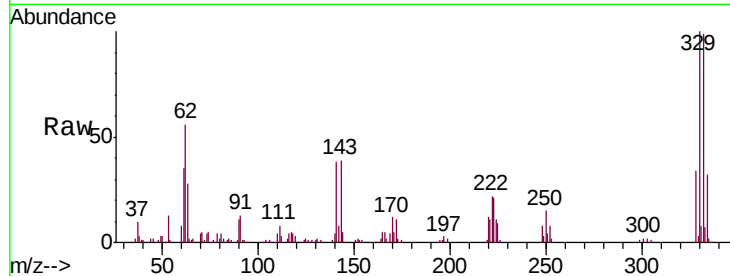




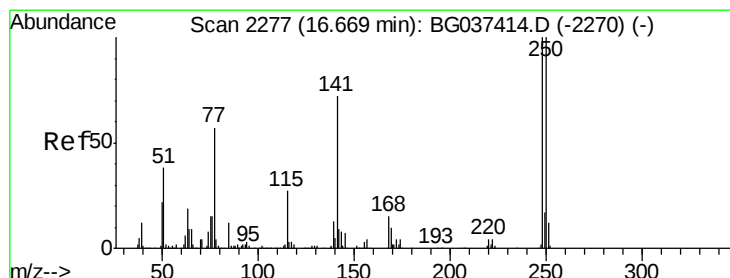
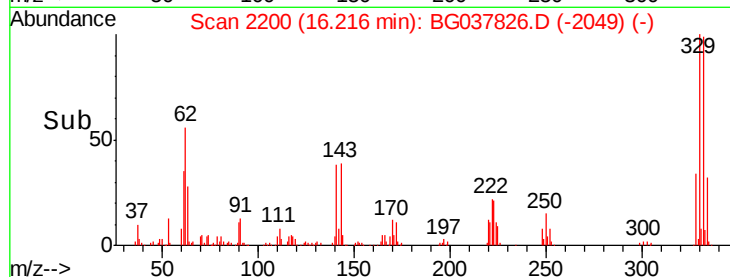
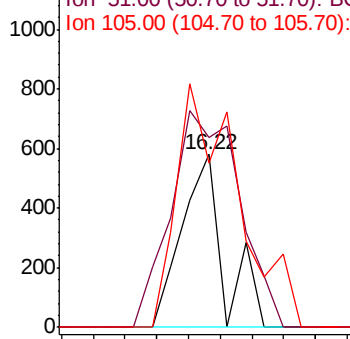
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.721 ng
 RT: 16.22 min Scan# 2200
 Delta R.T. 0.36 min
 Lab File: BG037826.D
 Acq: 6 Nov 2018 6:23

Instrument :
 BNA_G
 ClientSampleId :
 PB114495TB

Tgt Ion:198 Resp: 526
 Ion Ratio Lower Upper
 198 100
 51 24.5 22.7 62.7
 105 21.3 19.7 59.7

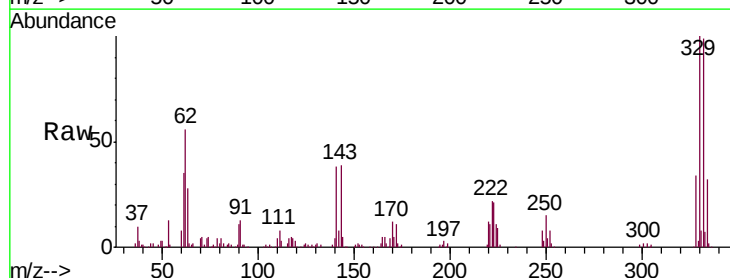


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

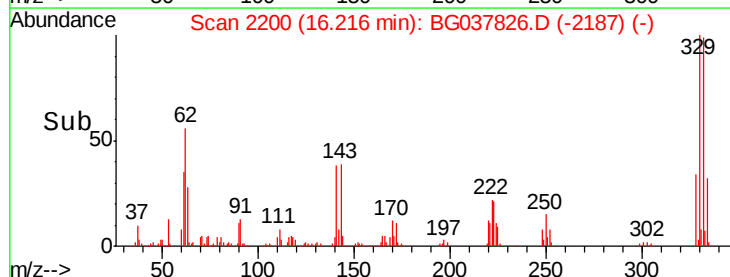
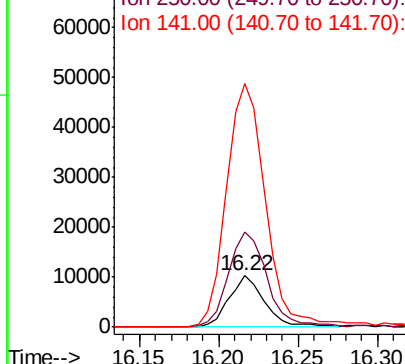


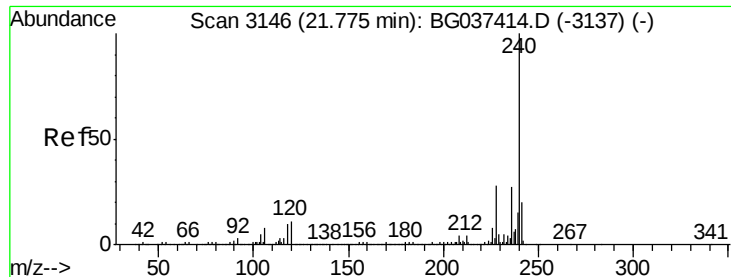
#67
 4-Bromophenyl-phenylether
 Concen: 3.726 ng
 RT: 16.22 min Scan# 2200
 Delta R.T. -0.45 min
 Lab File: BG037826.D
 Acq: 6 Nov 2018 6:23

Tgt Ion:248 Resp: 15803
 Ion Ratio Lower Upper
 248 100
 250 178.7 77.0 115.6#
 141 354.1 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

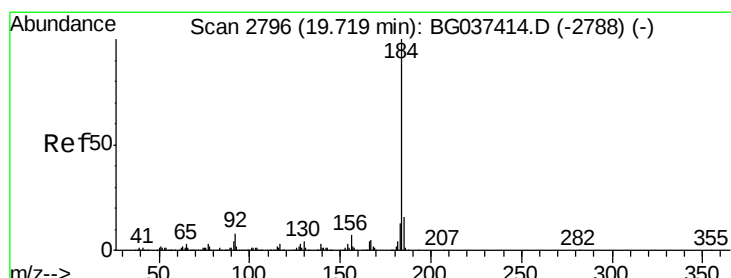
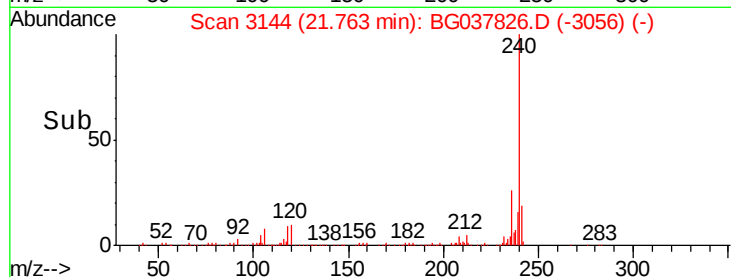
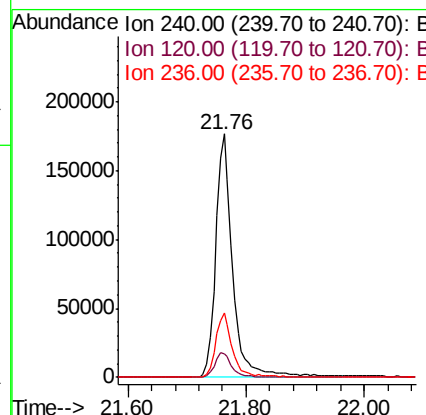
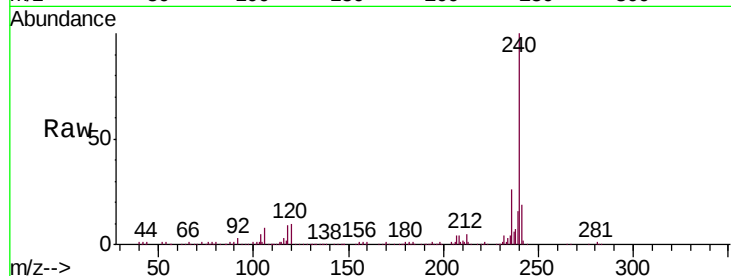




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG037826.D
Acq: 6 Nov 2018 6:23

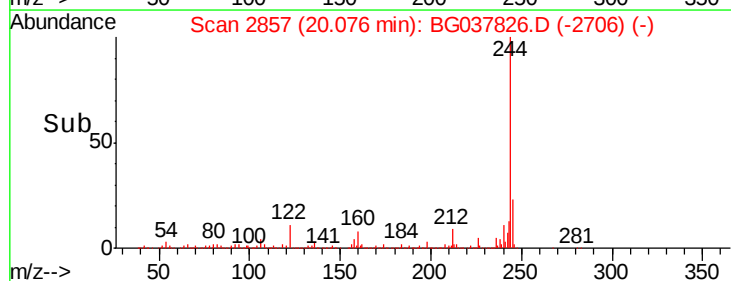
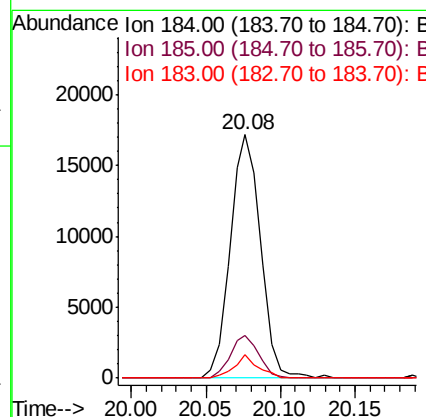
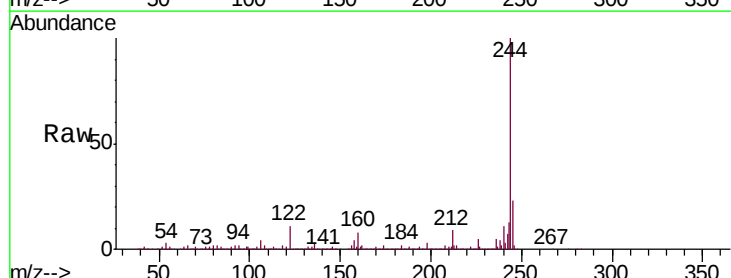
Instrument :
BNA_G
ClientSampleId :
PB114495TB

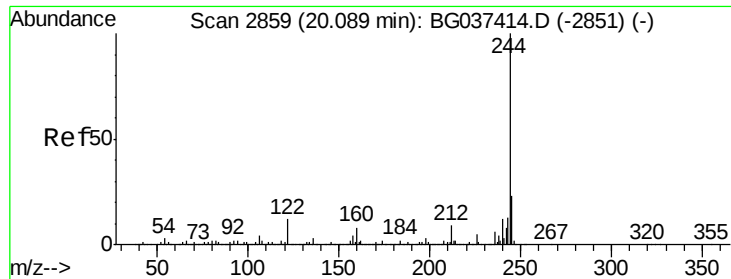
Tgt Ion:240 Resp: 353169
Ion Ratio Lower Upper
240 100
120 9.7 8.1 12.1
236 26.2 21.4 32.0



#77
Benzidine
Concen: 2.028 ng
RT: 20.08 min Scan# 2857
Delta R.T. 0.36 min
Lab File: BG037826.D
Acq: 6 Nov 2018 6:23

Tgt Ion:184 Resp: 24356
Ion Ratio Lower Upper
184 100
185 17.7 12.6 18.8
183 9.8 10.2 15.2#





#79

Terphenyl-d14

Concen: 90.380 ng

RT: 20.08 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BG037826.D

Acq: 6 Nov 2018 6:23

Instrument :

BNA_G

ClientSampleId :

PB114495TB

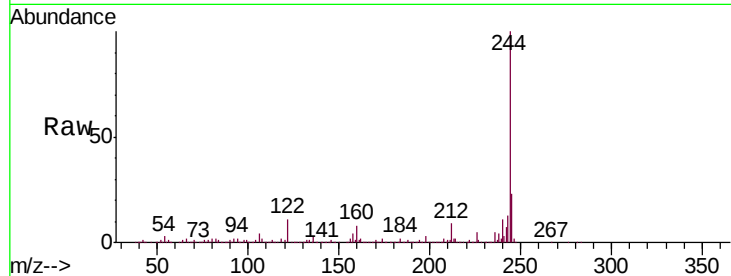
Tgt Ion:244 Resp: 1493815

Ion Ratio Lower Upper

244 100

212 8.5 6.5 9.7

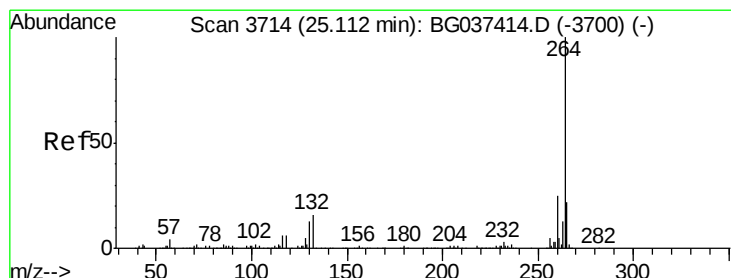
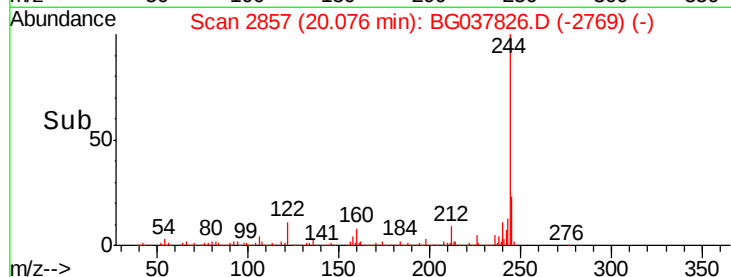
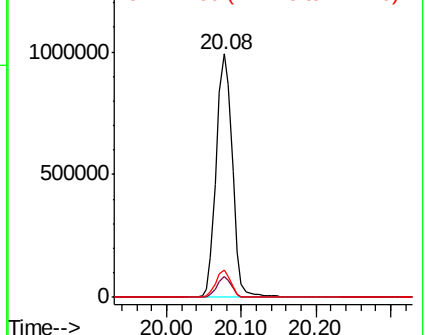
122 11.4 9.0 13.4



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: BG037826.D

Acq: 6 Nov 2018 6:23

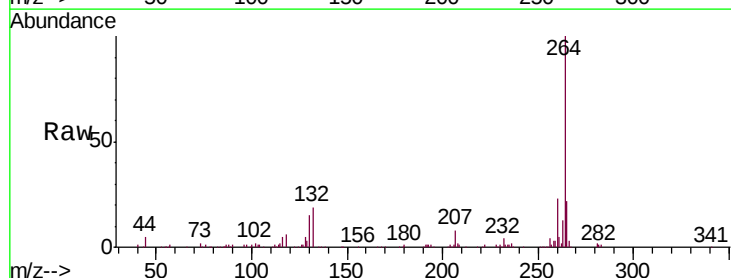
Tgt Ion:264 Resp: 287729

Ion Ratio Lower Upper

264 100

260 23.5 18.2 27.4

265 22.2 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

