

Data File : BG037808.D
Acq On : 5 Nov 2018 18:26
Operator : JU/SJ
Sample : J5769-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FB-10-31-18

Quant Time: Nov 06 04:16:17 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

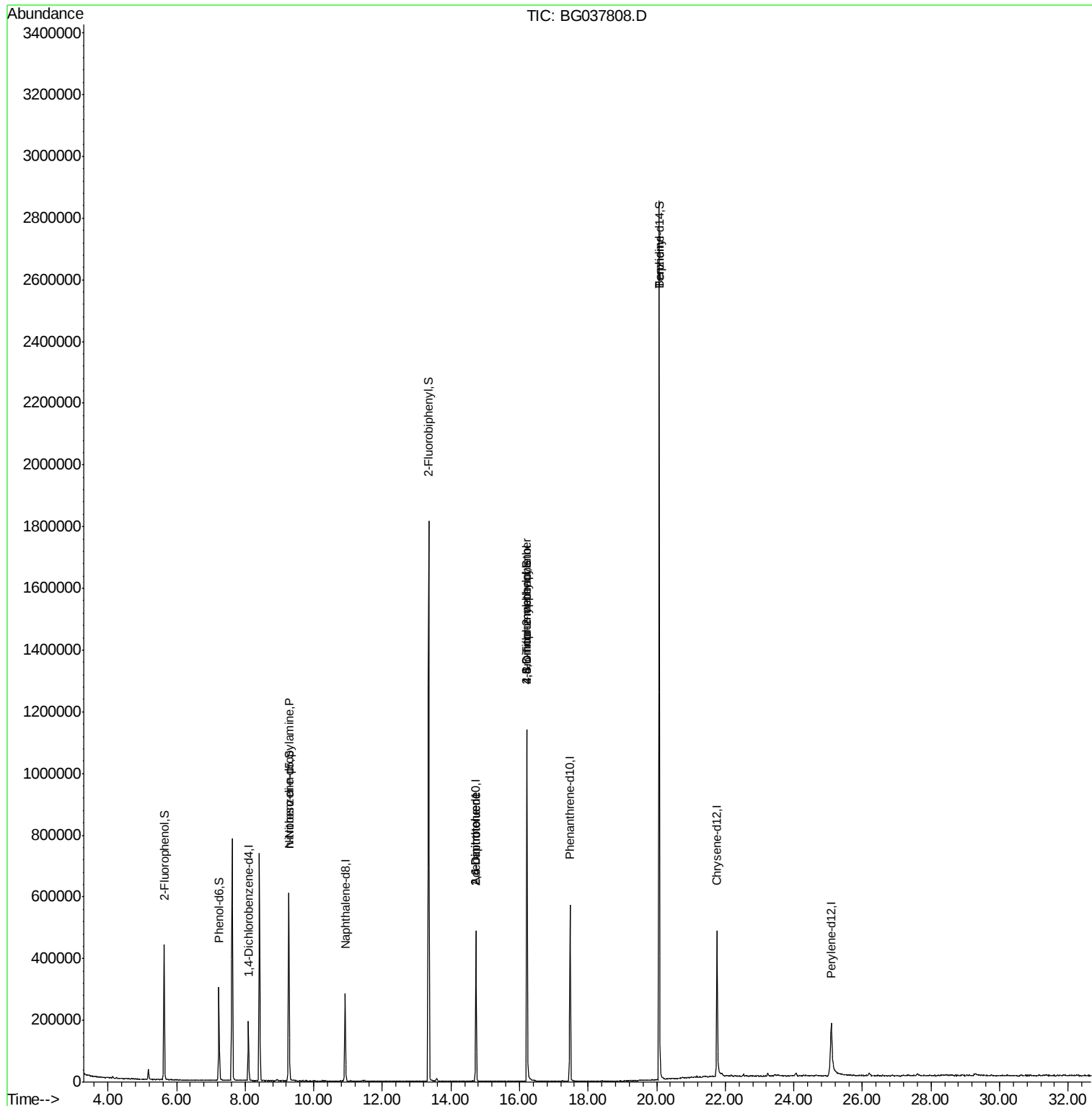
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	57546	20.00	ng	-0.01
21) Naphthalene-d8	10.91	136	262133	20.00	ng	-0.01
39) Acenaphthene-d10	14.73	164	172710	20.00	ng	-0.01
64) Phenanthrene-d10	17.48	188	379464	20.00	ng	0.00
76) Chrysene-d12	21.76	240	339424	20.00	ng	-0.01
87) Perylene-d12	25.09	264	281957	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	212125	61.63	ng	0.00
7) Phenol-d6	7.24	99	193906	37.26	ng	-0.01
23) Nitrobenzene-d5	9.27	82	404752	86.50	ng	-0.01
42) 2,4,6-Tribromophenol	16.21	330	226923	120.46	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	1009494	88.14	ng	-0.01
79) Terphenyl-d14	20.07	244	1410473	88.79	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	48652	13.574	ng	# 72
51) 2,6-Dinitrotoluene	14.73	165	22387	7.574	ng	# 26
57) 2,4-Dinitrotoluene	14.73	165	22387	5.770	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.21	198	642	8.773	ng	# 78
67) 4-Bromophenyl-phenylether	16.22	248	15832	3.799	ng	# 1
77) Benzidine	20.07	184	23165	2.007	ng	# 92

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

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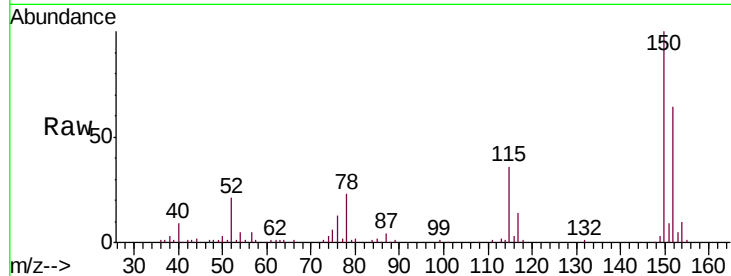


#1

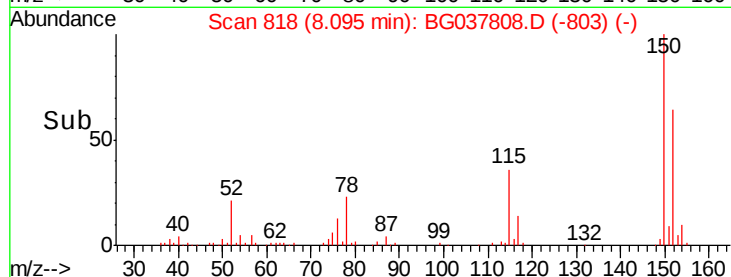
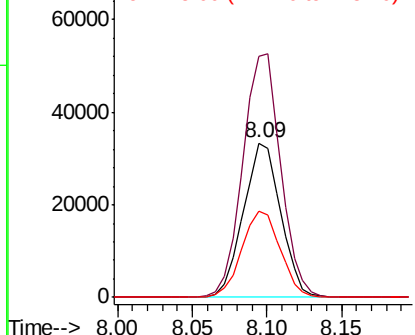
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 818
Delta R.T. -0.01 min
Lab File: BG037808.D
Acq: 5 Nov 2018 18:26

Instrument :
BNA_G
ClientSampleId :
FB-10-31-18

Tgt Ion:152 Resp: 57546
Ion Ratio Lower Upper
152 100
150 156.3 126.0 189.0
115 55.6 45.5 68.3



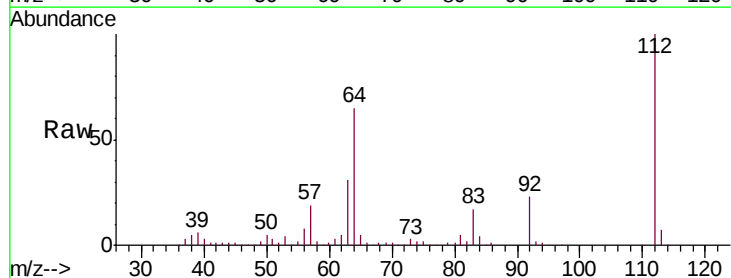
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



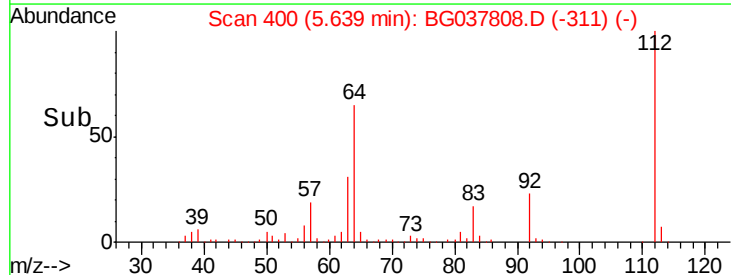
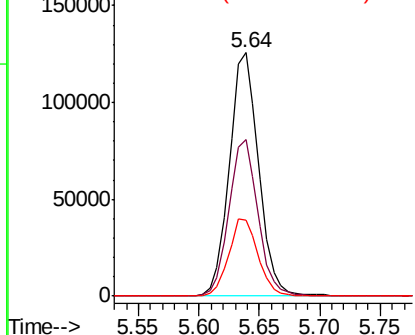
#5

2-Fluorophenol
Concen: 61.628 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037808.D
Acq: 5 Nov 2018 18:26

Tgt Ion:112 Resp: 212125
Ion Ratio Lower Upper
112 100
64 64.6 53.1 79.7
63 31.1 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: 37.255 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037808.D

Acq: 5 Nov 2018 18:26

Instrument :

BNA_G

ClientSampleId :

FB-10-31-18

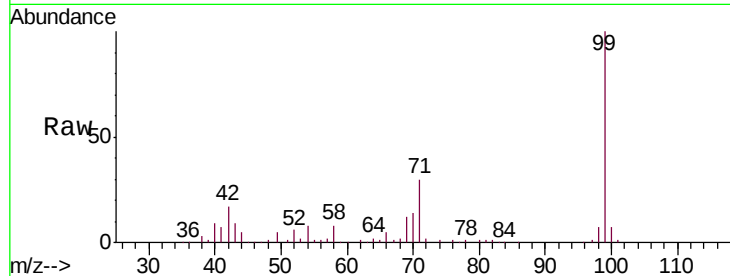
Tgt Ion: 99 Resp: 193906

Ion Ratio Lower Upper

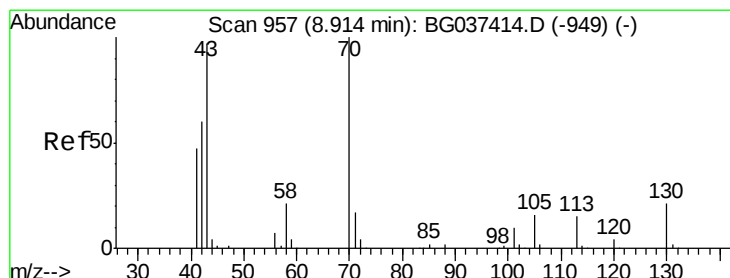
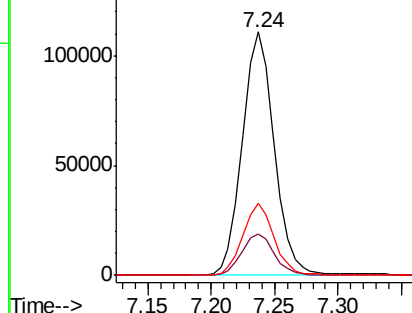
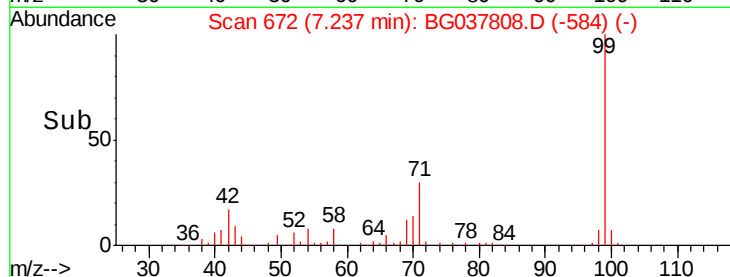
99 100

42 17.0 15.0 22.4

71 29.7 25.5 38.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
150000 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: 13.574 ng

RT: 9.27 min Scan# 1018

Delta R.T. 0.36 min

Lab File: BG037808.D

Acq: 5 Nov 2018 18:26

Tgt Ion: 70 Resp: 48652

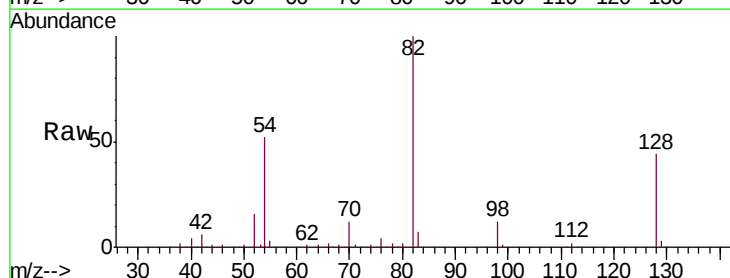
Ion Ratio Lower Upper

70 100

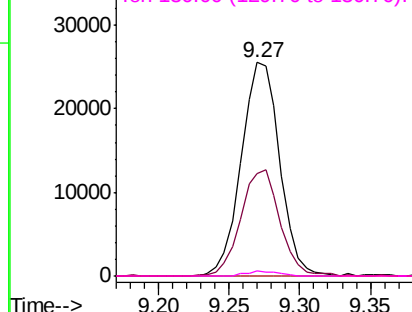
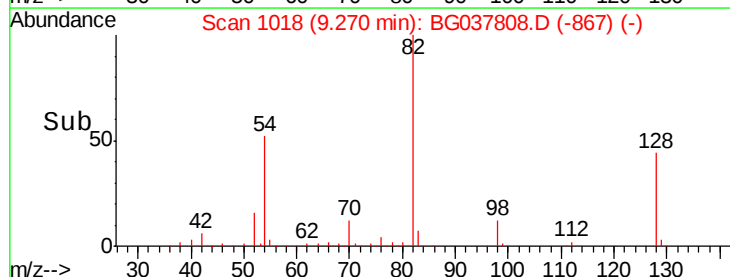
42 48.0 53.9 80.9#

101 0.0 8.2 12.2#

130 2.7 18.2 27.4#



Abundance Ion 70.00 (69.70 to 70.70): BGC
40000 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

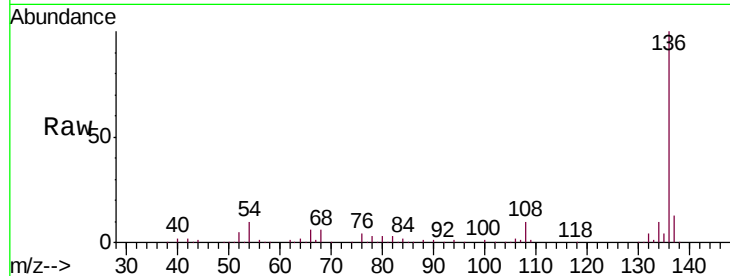




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BG037808.D
Acq: 5 Nov 2018 18:26

Instrument :
BNA_G
ClientSampleId :
FB-10-31-18

Tgt Ion:	136	Resp:	262133
Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.6	14.4
54	10.2	7.9	11.9
68	6.3	4.8	7.2



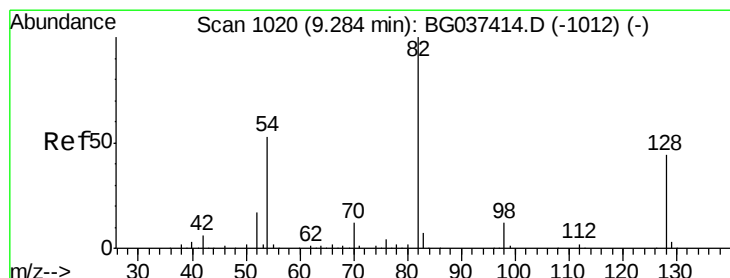
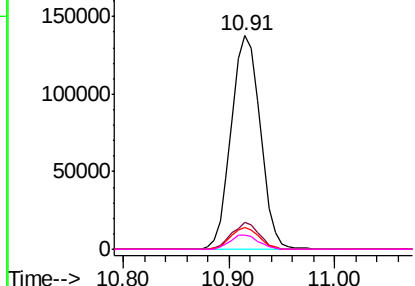
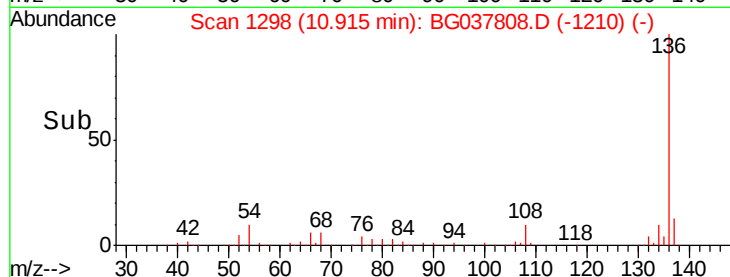
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

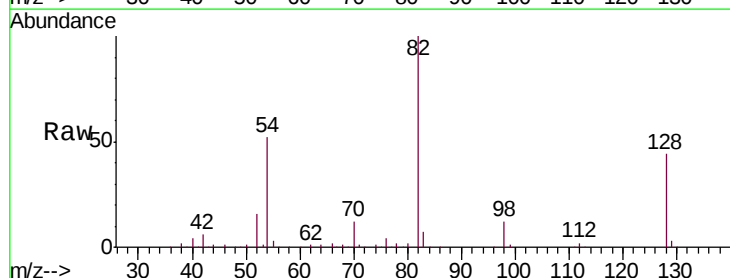
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 86.497 ng
RT: 9.27 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BG037808.D
Acq: 5 Nov 2018 18:26

Tgt Ion:	82	Resp:	404752
Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.6	51.8
54	52.0	45.3	67.9

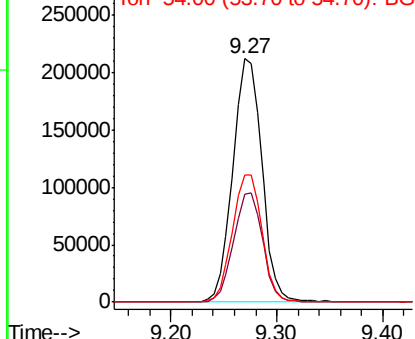
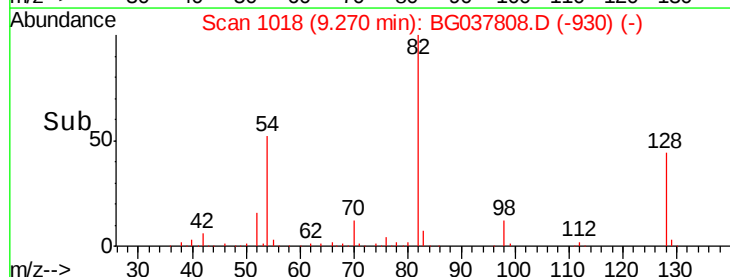


Abundance

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: BG037808.D

Acq: 5 Nov 2018 18:26

Instrument :

BNA_G

ClientSampleId :

FB-10-31-18

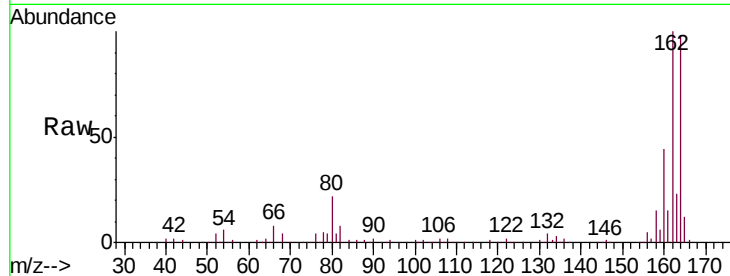
Tgt Ion:164 Resp: 172710

Ion Ratio Lower Upper

164 100

162 101.9 81.3 121.9

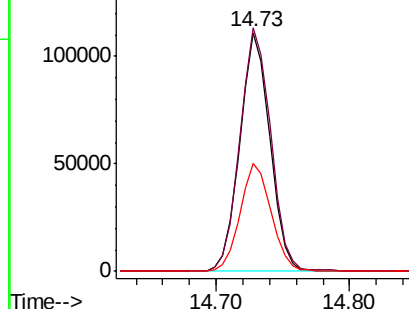
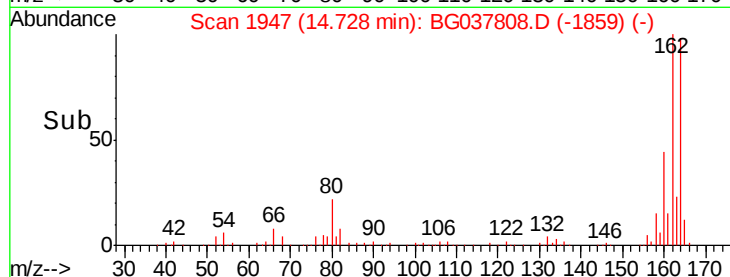
160 45.0 36.3 54.5



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: 120.465 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG037808.D

Acq: 5 Nov 2018 18:26

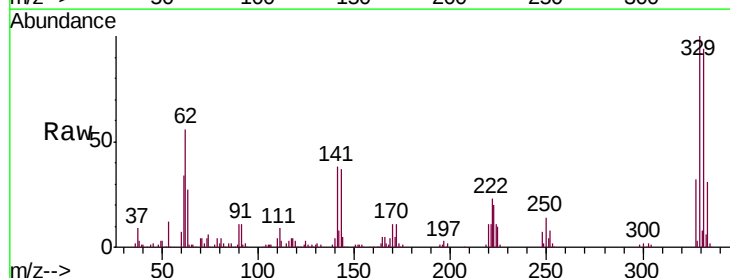
Tgt Ion:330 Resp: 226923

Ion Ratio Lower Upper

330 100

332 94.9 78.4 117.6

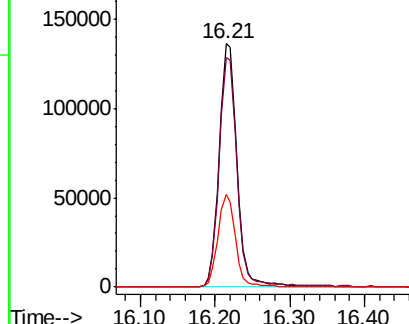
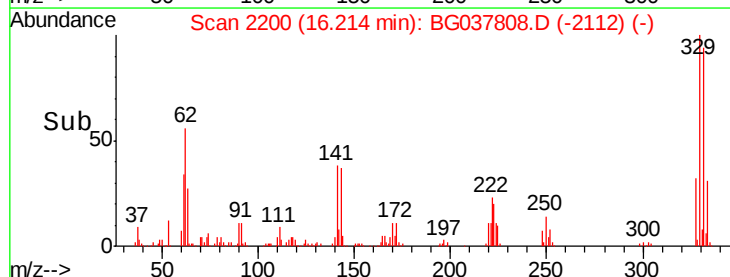
141 37.6 32.2 48.2



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

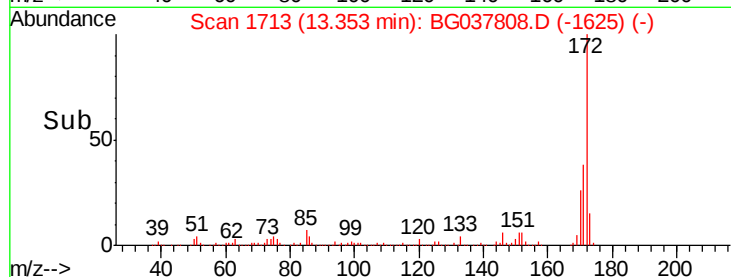
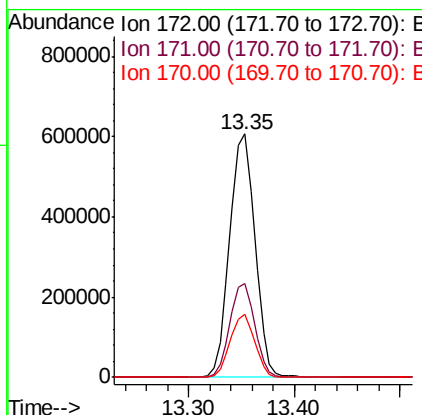
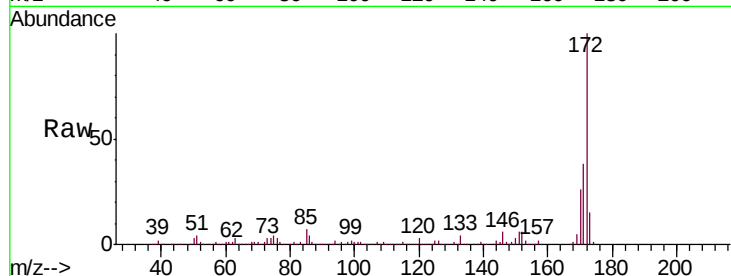




#45
 2-Fluorobiphenyl
 Concen: 88.140 ng
 RT: 13.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG037808.D
 Acq: 5 Nov 2018 18:26

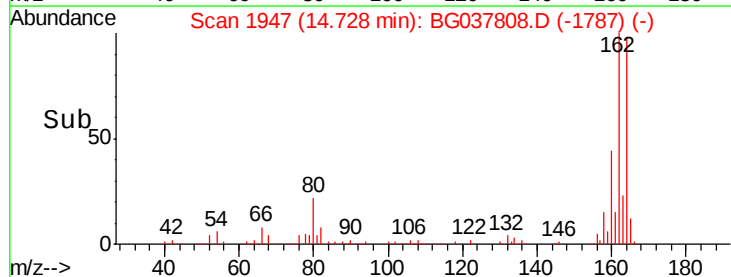
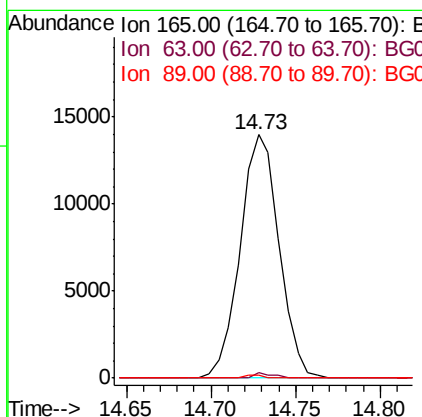
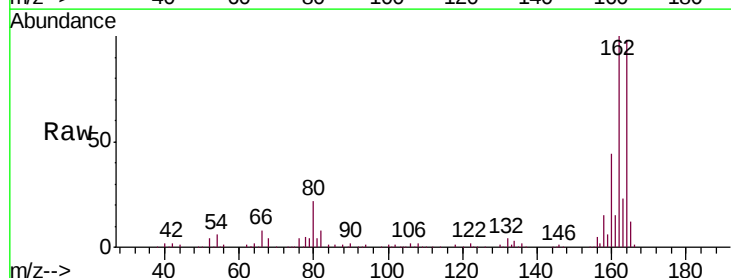
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 FB-10-31-18

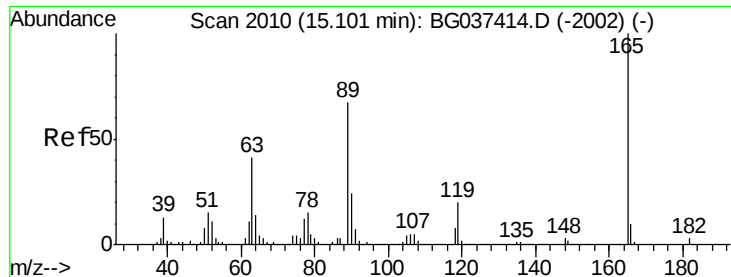
Tgt Ion:172 Resp: 1009494
 Ion Ratio Lower Upper
 172 100
 171 38.4 31.0 46.4
 170 25.8 20.2 30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.574 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. 0.41 min
 Lab File: BG037808.D
 Acq: 5 Nov 2018 18:26

Tgt Ion:165 Resp: 22387
 Ion Ratio Lower Upper
 165 100
 63 2.4 43.4 65.2#
 89 1.3 45.8 68.6#

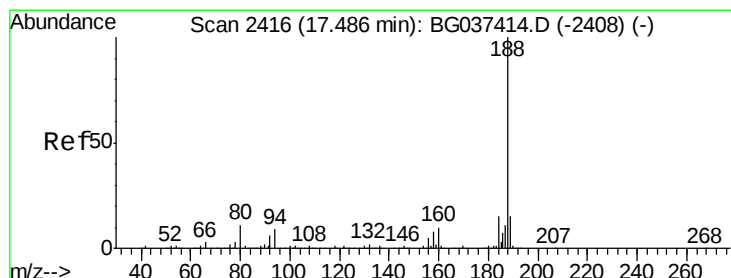
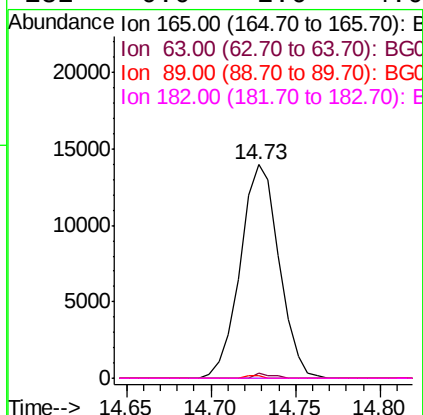
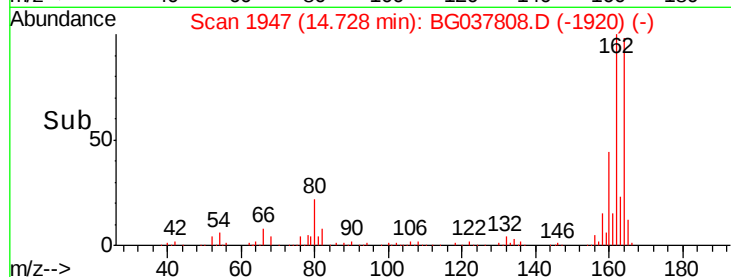
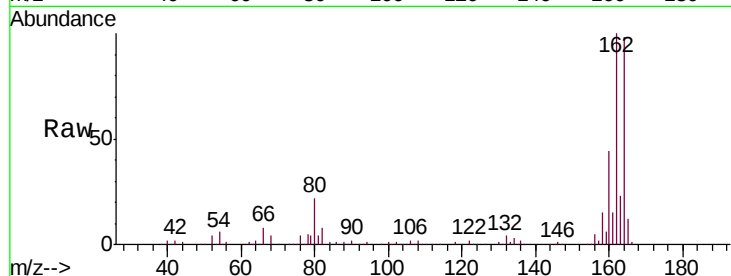




#57
 2,4-Dinitrotoluene
 Concen: 5.770 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. -0.37 min
 Lab File: BG037808.D
 Acq: 5 Nov 2018 18:26

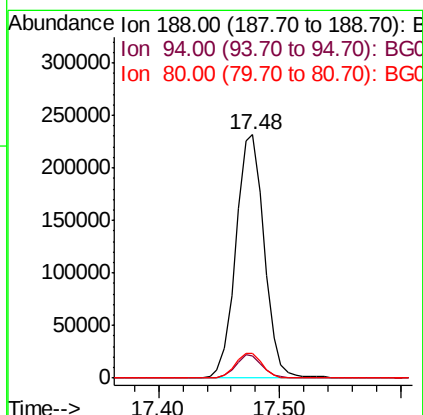
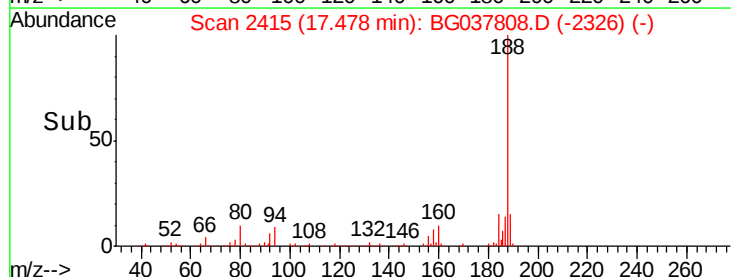
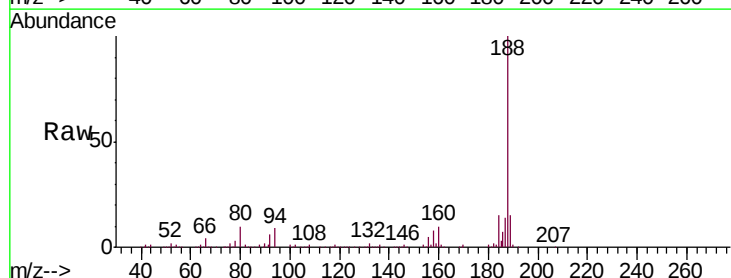
Instrument :
 BNA_G
 ClientSampleId :
 FB-10-31-18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	33.4	50.0#
89	1.3	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: BG037808.D
 Acq: 5 Nov 2018 18:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	10.4	7.7	11.5

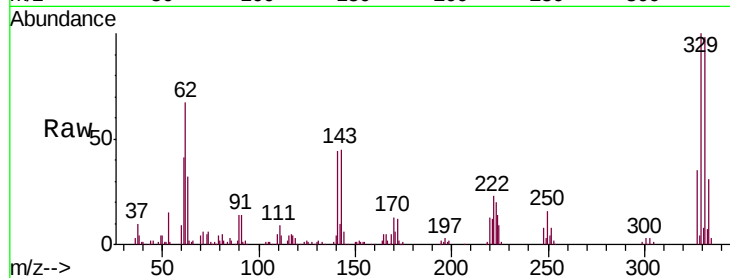




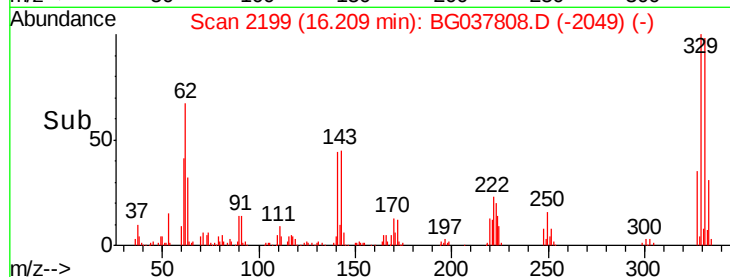
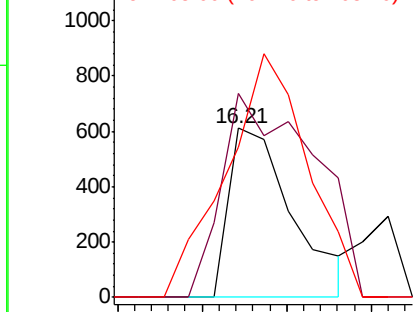
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.773 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. 0.35 min
 Lab File: BG037808.D
 Acq: 5 Nov 2018 18:26

Instrument :
 BNA_G
 ClientSampleId :
 FB-10-31-18

Tgt Ion:198 Resp: 642
 Ion Ratio Lower Upper
 198 100
 51 31.8 22.7 62.7
 105 23.4 19.7 59.7

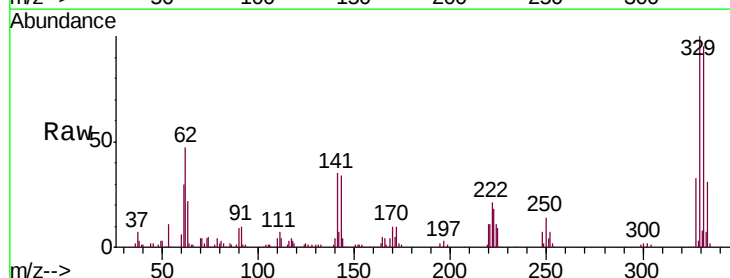


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

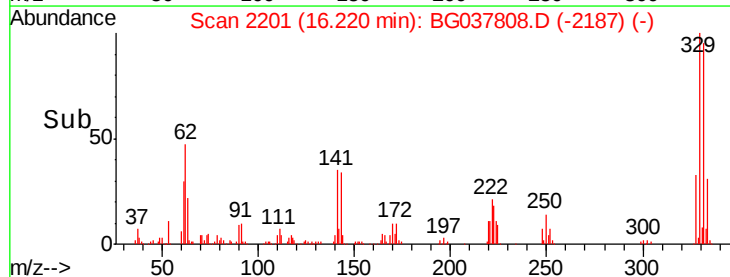
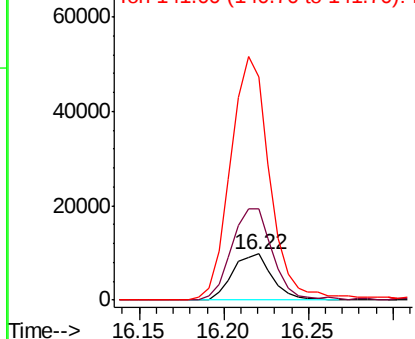


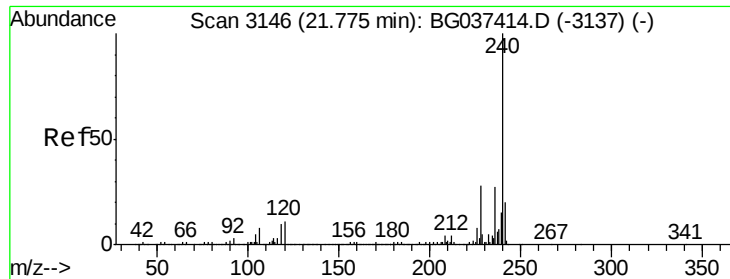
#67
 4-Bromophenyl-phenylether
 Concen: 3.799 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037808.D
 Acq: 5 Nov 2018 18:26

Tgt Ion:248 Resp: 15832
 Ion Ratio Lower Upper
 248 100
 250 195.7 77.0 115.6#
 141 371.7 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

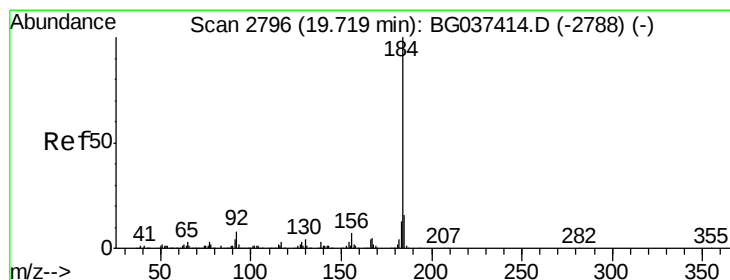
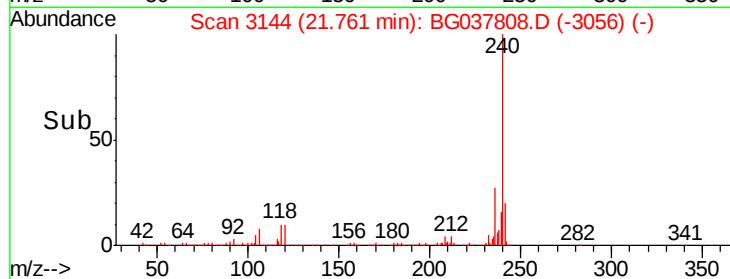
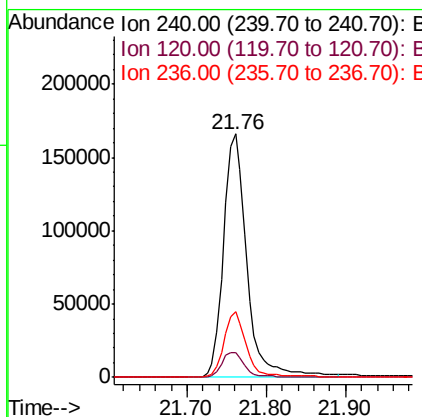
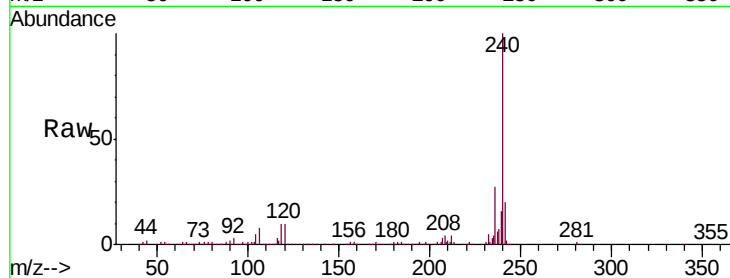




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG037808.D
Acq: 5 Nov 2018 18:26

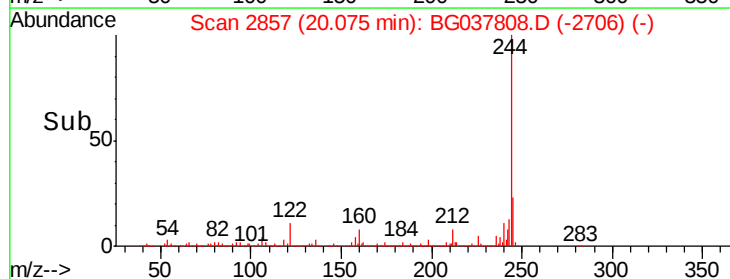
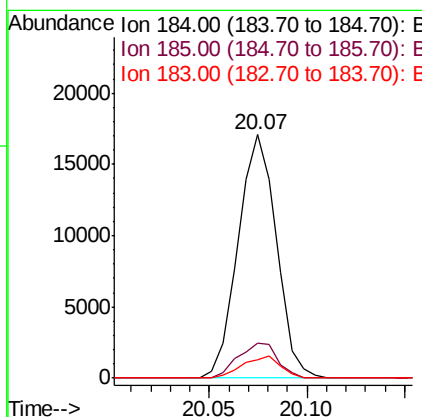
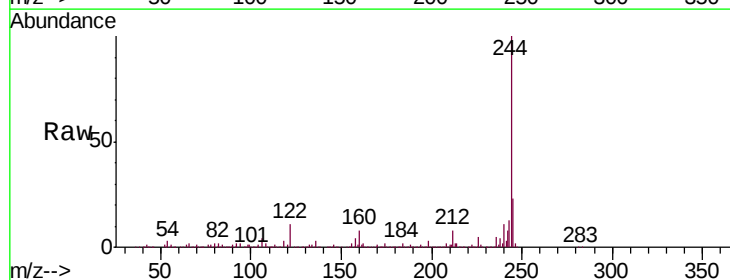
Instrument :
BNA_G
ClientSampleId :
FB-10-31-18

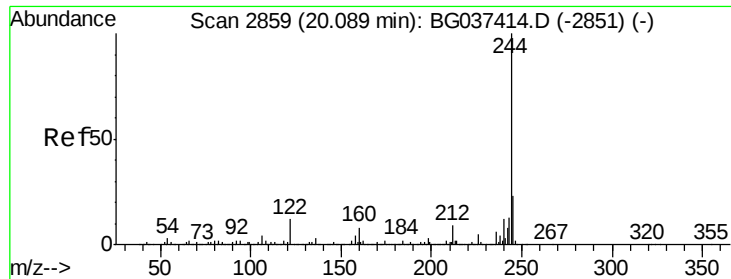
Tgt Ion:240 Resp: 339424
Ion Ratio Lower Upper
240 100
120 10.3 8.1 12.1
236 27.0 21.4 32.0



#77
Benzidine
Concen: 2.007 ng
RT: 20.07 min Scan# 2857
Delta R.T. 0.36 min
Lab File: BG037808.D
Acq: 5 Nov 2018 18:26

Tgt Ion:184 Resp: 23165
Ion Ratio Lower Upper
184 100
185 14.1 12.6 18.8
183 7.8 10.2 15.2#





#79

Terphenyl-d14

Concen: 88.793 ng

RT: 20.07 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BG037808.D

Acq: 5 Nov 2018 18:26

Instrument :

BNA_G

ClientSampleId :

FB-10-31-18

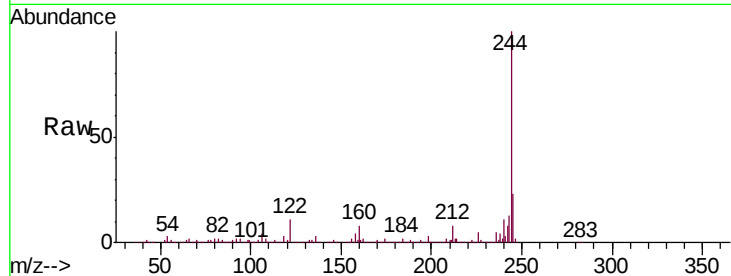
Tgt Ion:244 Resp: 1410473

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

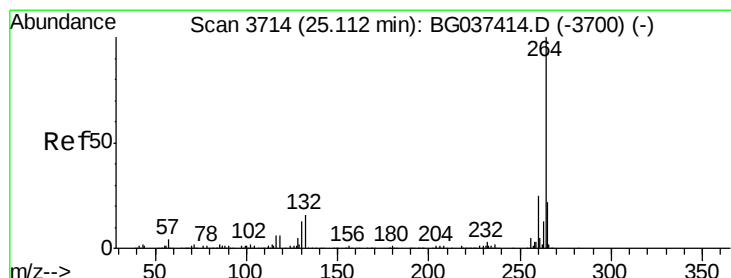
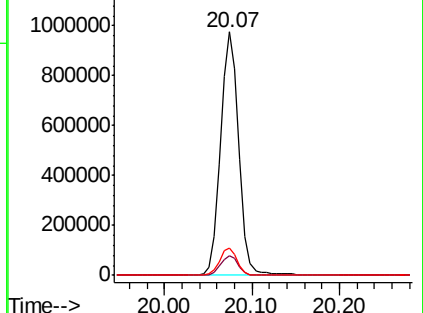
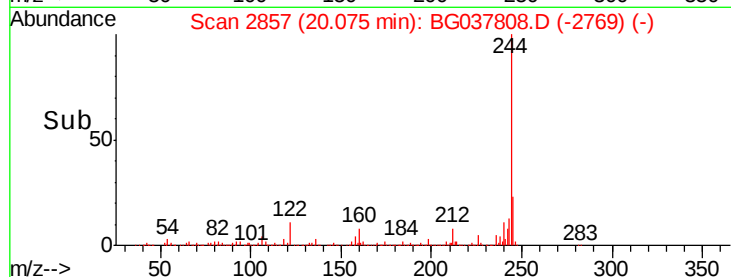
122 11.0 9.0 13.4



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: BG037808.D

Acq: 5 Nov 2018 18:26

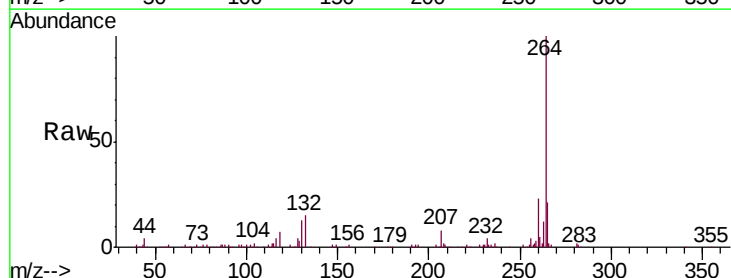
Tgt Ion:264 Resp: 281957

Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.4

265 20.6 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

