

Data File : BG037967.D
Acq On : 13 Nov 2018 5:56
Operator : JU/SJ
Sample : J5904-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
110818-TIPC-F-D-B

Quant Time: Nov 13 06:38:32 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

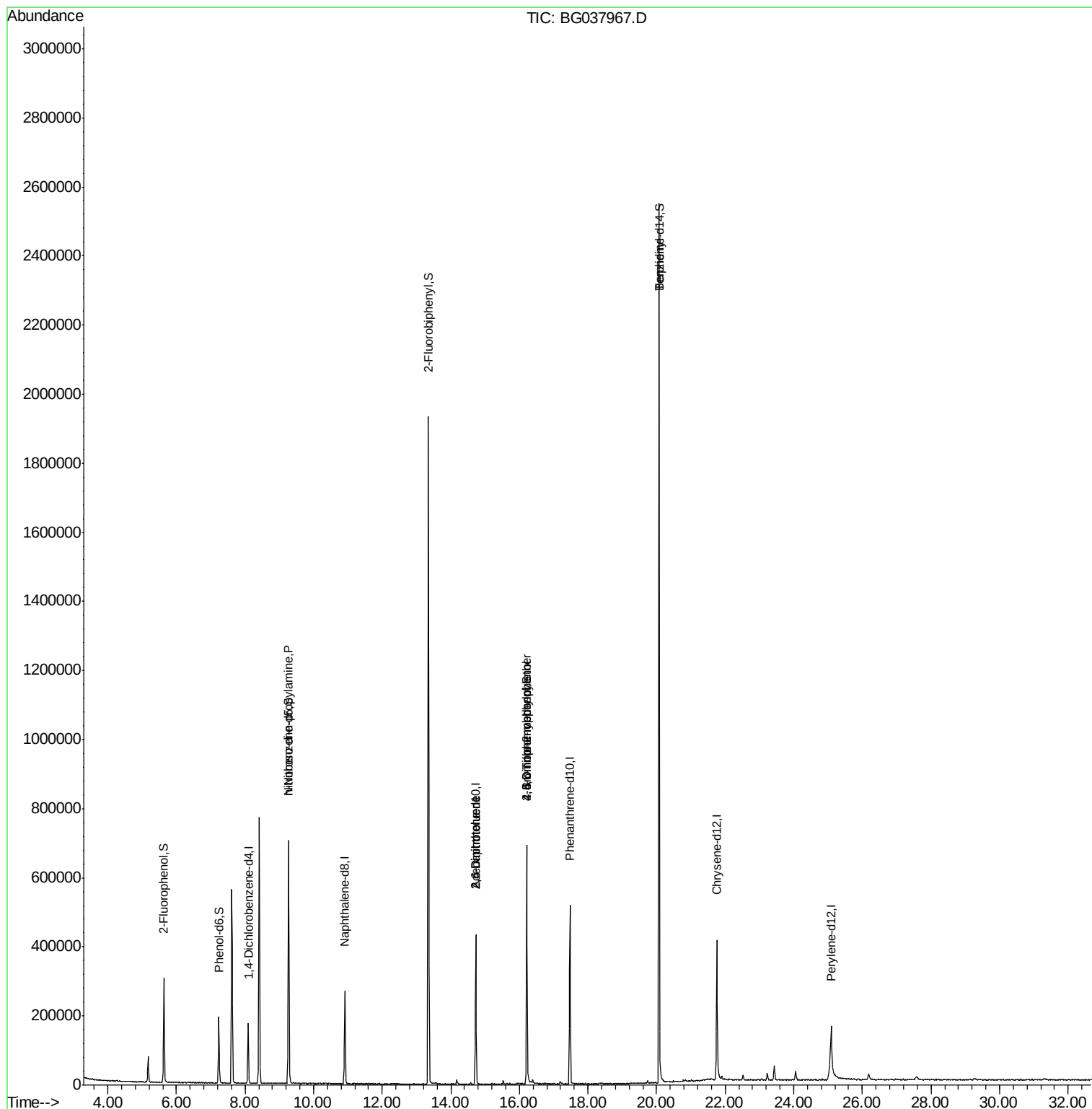
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	52813	20.00	ng	-0.02
21) Naphthalene-d8	10.91	136	245370	20.00	ng	-0.02
39) Acenaphthene-d10	14.72	164	157681	20.00	ng	-0.02
64) Phenanthrene-d10	17.47	188	341874	20.00	ng	-0.01
76) Chrysene-d12	21.76	240	288401	20.00	ng	-0.02
87) Perylene-d12	25.09	264	241430	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	141430	44.77	ng	-0.01
7) Phenol-d6	7.23	99	124393	26.04	ng	-0.02
23) Nitrobenzene-d5	9.27	82	455468	103.99	ng	-0.02
42) 2,4,6-Tribromophenol	16.22	330	137215	79.78	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	1074271	102.74	ng	-0.02
79) Terphenyl-d14	20.07	244	1288193	95.44	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	57559	17.499	ng	# 73
51) 2,6-Dinitrotoluene	14.72	165	20869	7.733	ng	# 25
57) 2,4-Dinitrotoluene	14.72	165	20869	5.891	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.21	198	352	8.669	ng	84
67) 4-Bromophenyl-phenylether	16.22	248	9718	2.588	ng	# 1
77) Benzidine	20.07	184	20579	2.099	ng	# 94

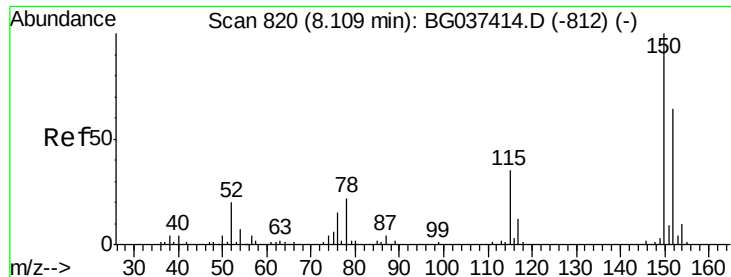
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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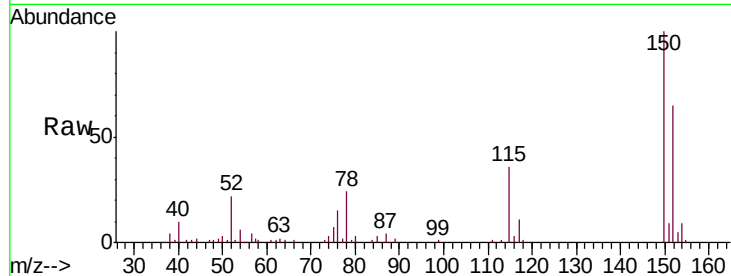


#1

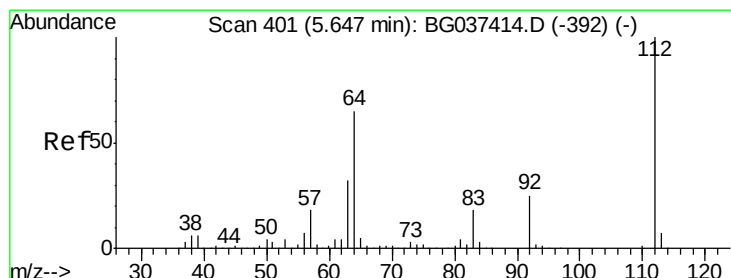
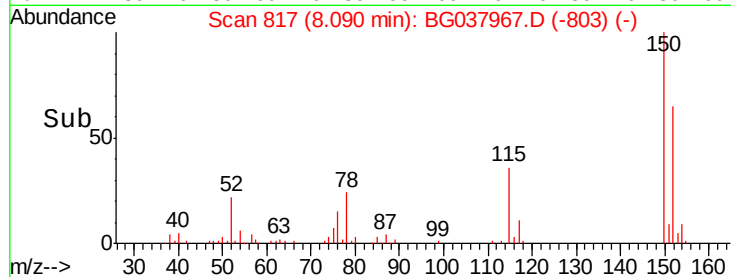
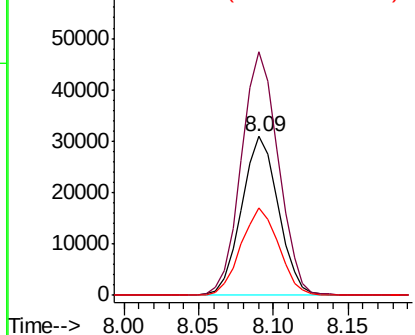
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 817
Delta R.T. -0.02 min
Lab File: BG037967.D
Acq: 13 Nov 2018 5:56

Instrument :
BNA_G
ClientSampleId :
110818-TIPC-F-D-B

Tgt Ion:152 Resp: 52813
Ion Ratio Lower Upper
152 100
150 153.4 126.0 189.0
115 55.1 45.5 68.3



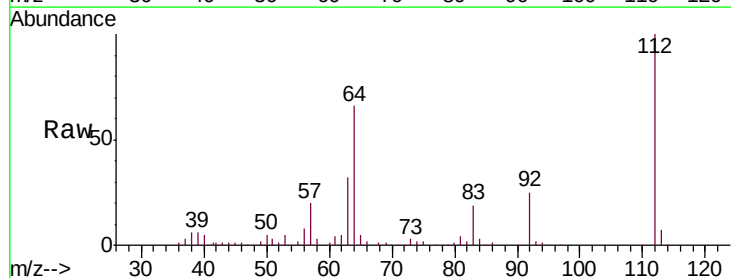
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



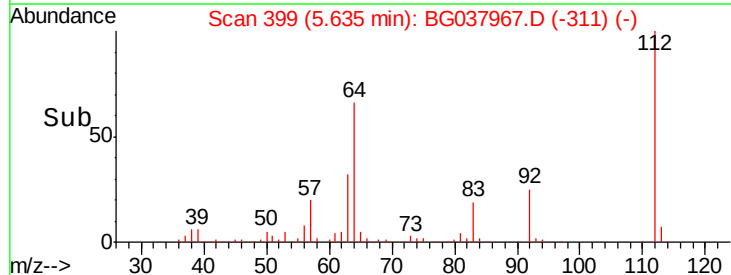
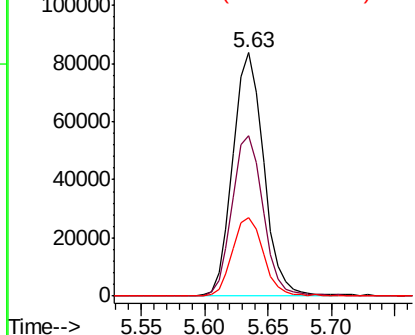
#5

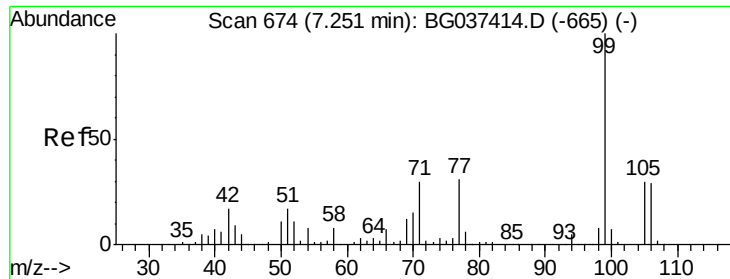
2-Fluorophenol
Concen: 44.771 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG037967.D
Acq: 13 Nov 2018 5:56

Tgt Ion:112 Resp: 141430
Ion Ratio Lower Upper
112 100
64 65.9 53.1 79.7
63 32.2 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: 26.041 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.02 min

Lab File: BG037967.D

Acq: 13 Nov 2018 5:56

Instrument :

BNA_G

ClientSampleId :

110818-TIPC-F-D-B

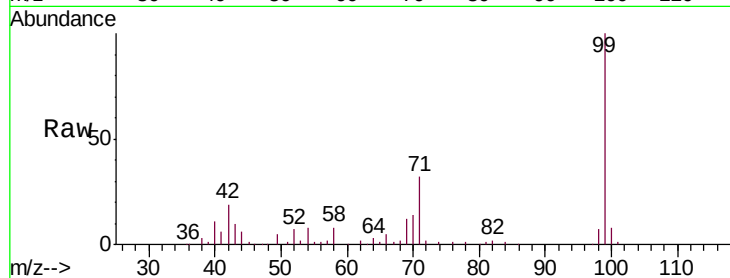
Tgt Ion: 99 Resp: 124393

Ion Ratio Lower Upper

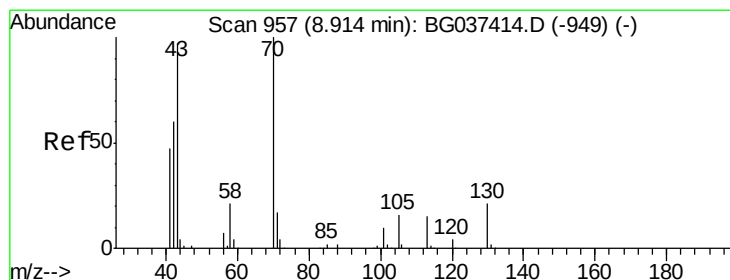
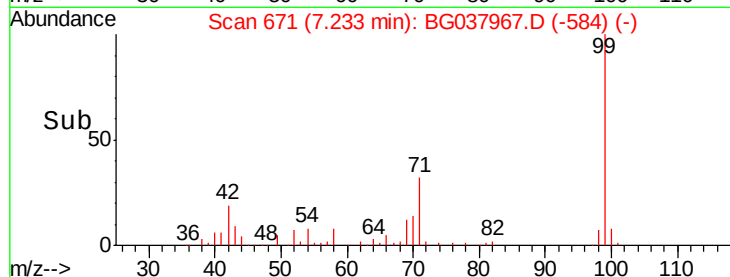
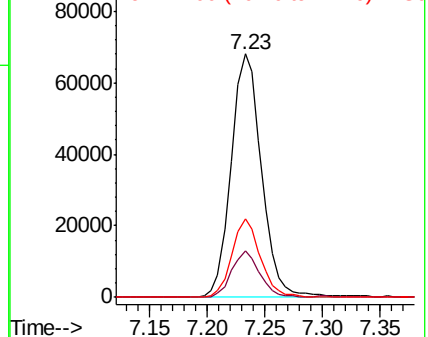
99 100

42 19.2 15.0 22.4

71 32.4 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: 17.499 ng

RT: 9.27 min Scan# 1018

Delta R.T. 0.36 min

Lab File: BG037967.D

Acq: 13 Nov 2018 5:56

Tgt Ion: 70 Resp: 57559

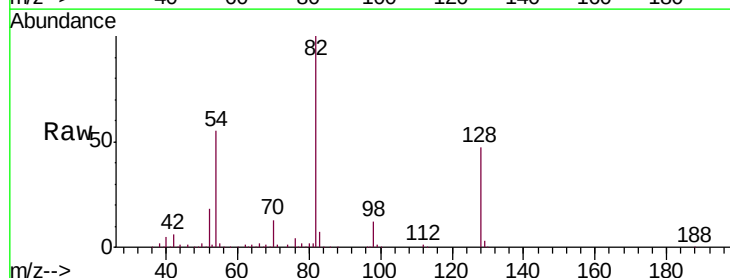
Ion Ratio Lower Upper

70 100

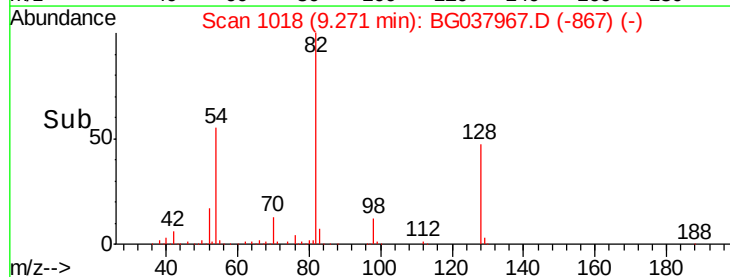
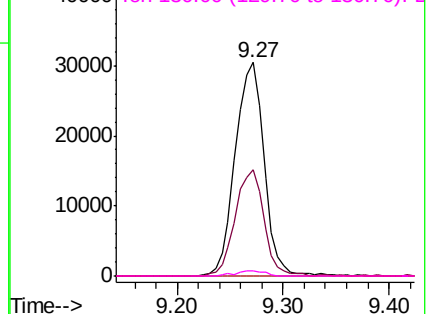
42 49.8 53.9 80.9#

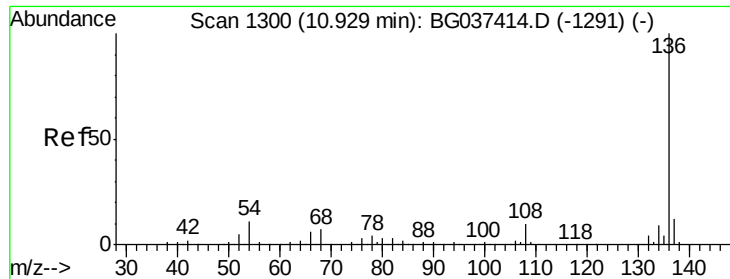
101 0.0 8.2 12.2#

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

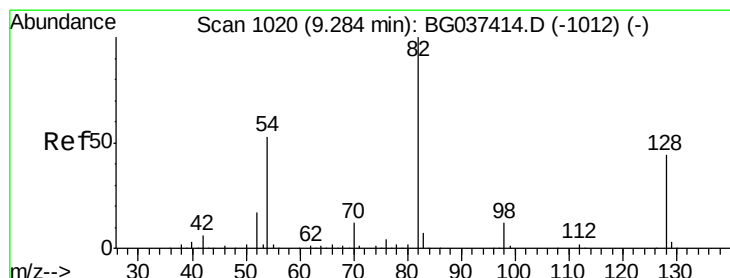
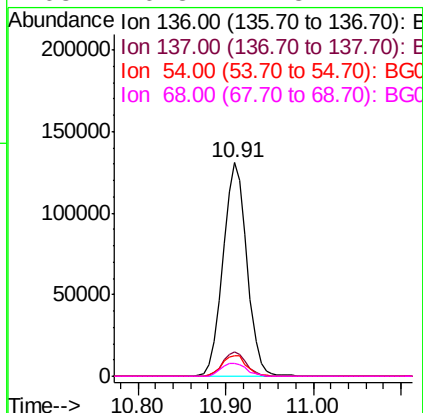
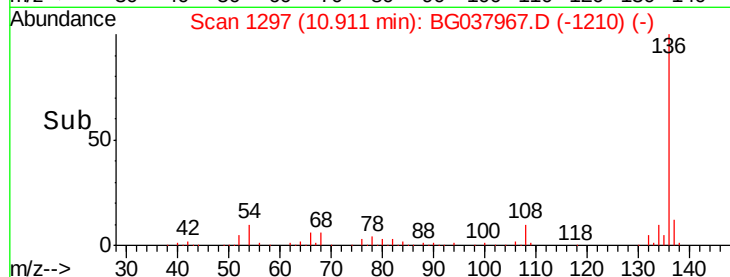
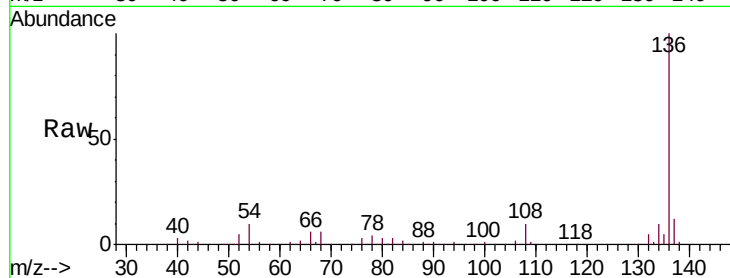




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BG037967.D
Acq: 13 Nov 2018 5:56

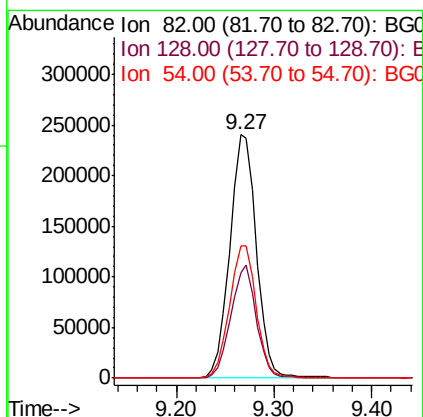
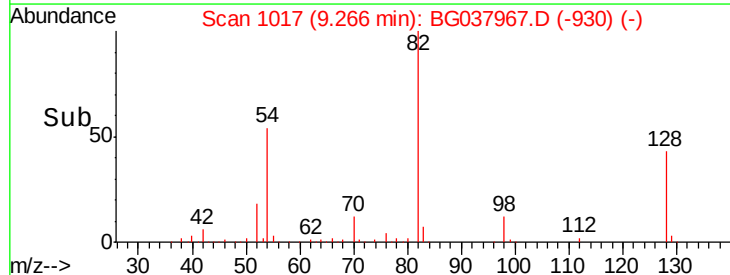
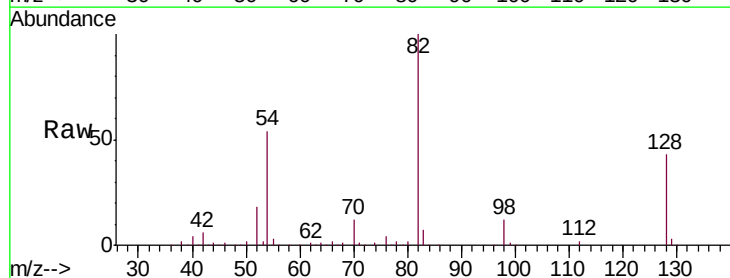
Instrument :
BNA_G
ClientSampleId :
110818-TIPC-F-D-B

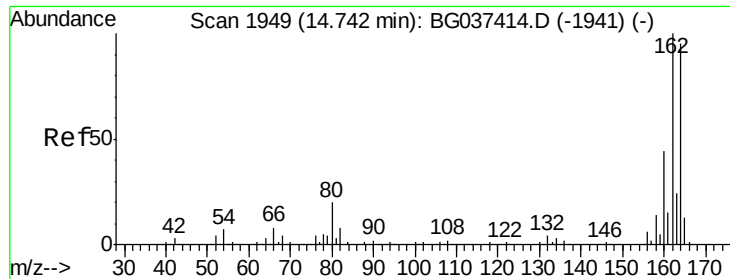
Tgt Ion:	136	Resp:	245370
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.6	14.4
54	9.6	7.9	11.9
68	6.3	4.8	7.2



#23
Nitrobenzene-d5
Concen: 103.985 ng
RT: 9.27 min Scan# 1017
Delta R.T. -0.02 min
Lab File: BG037967.D
Acq: 13 Nov 2018 5:56

Tgt Ion:	82	Resp:	455468
Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.6	51.8
54	54.2	45.3	67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1946

Delta R.T. -0.02 min

Lab File: BG037967.D

Acq: 13 Nov 2018 5:56

Instrument :

BNA_G

ClientSampleId :

110818-TIPC-F-D-B

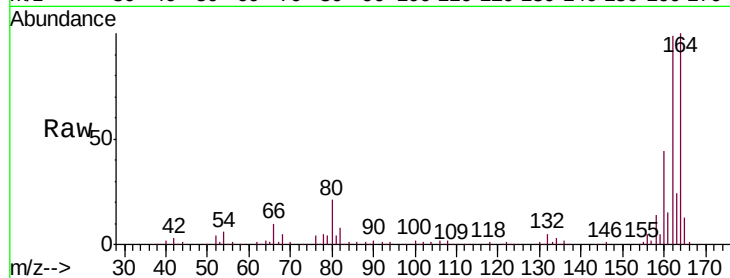
Tgt Ion:164 Resp: 157681

Ion Ratio Lower Upper

164 100

162 99.5 81.3 121.9

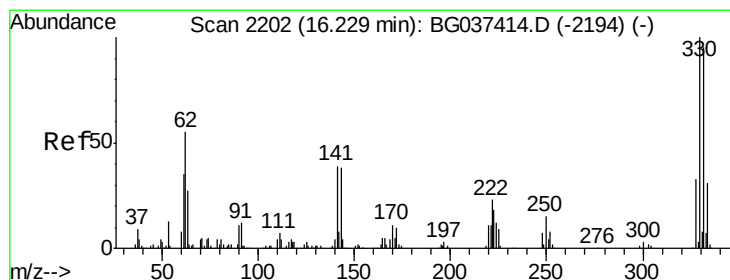
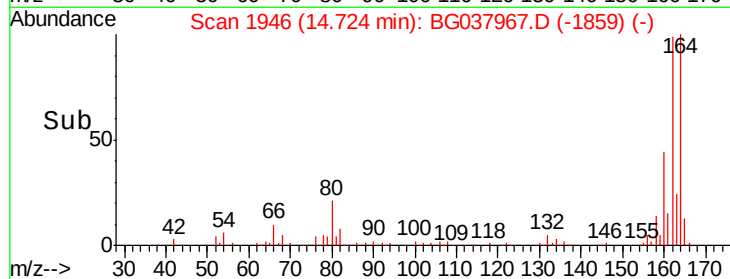
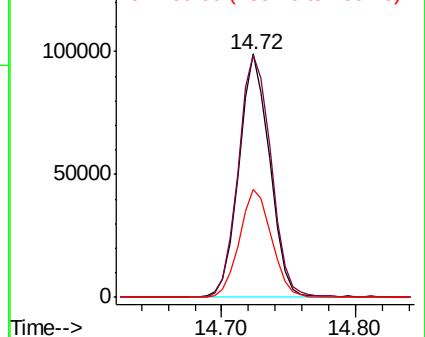
160 44.1 36.3 54.5



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: 79.785 ng

RT: 16.22 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG037967.D

Acq: 13 Nov 2018 5:56

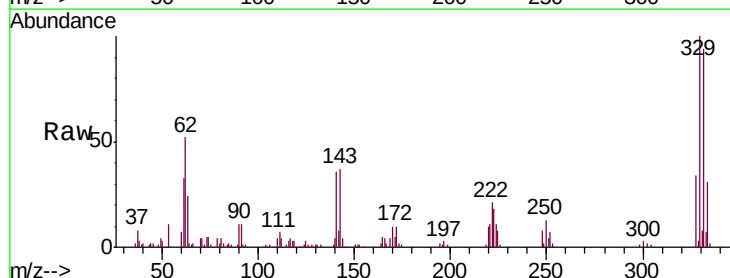
Tgt Ion:330 Resp: 137215

Ion Ratio Lower Upper

330 100

332 92.1 78.4 117.6

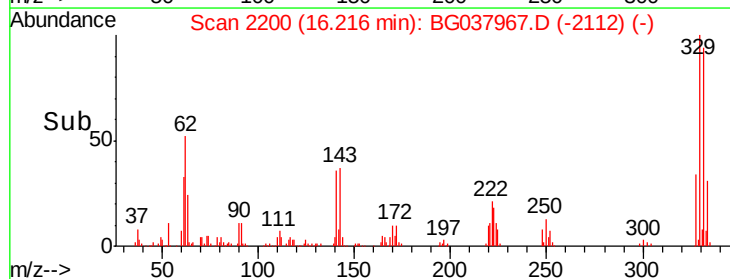
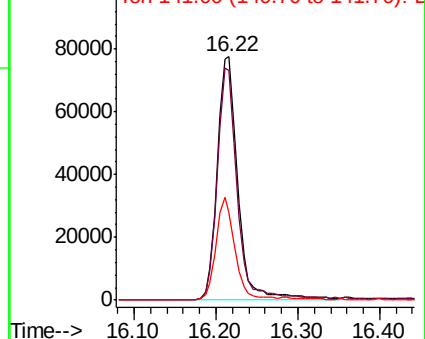
141 38.5 32.2 48.2

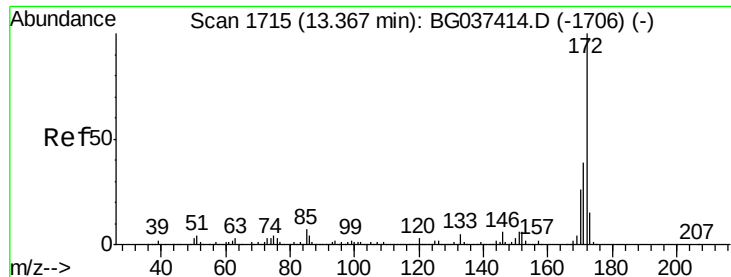


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

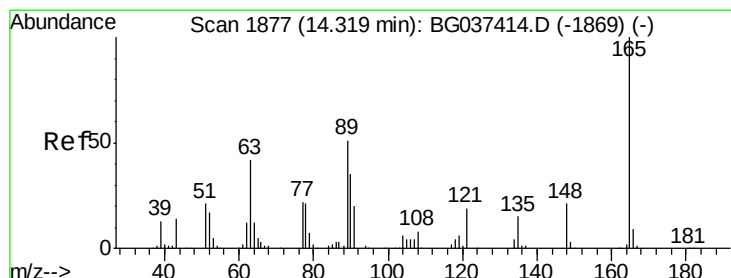
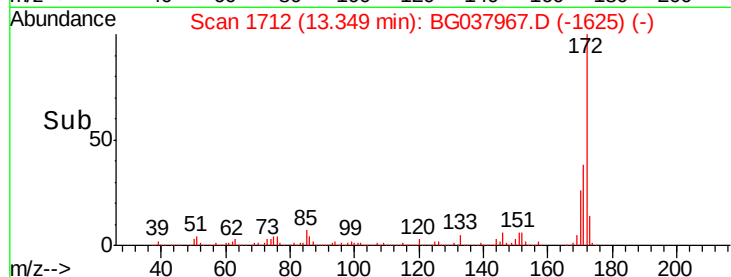
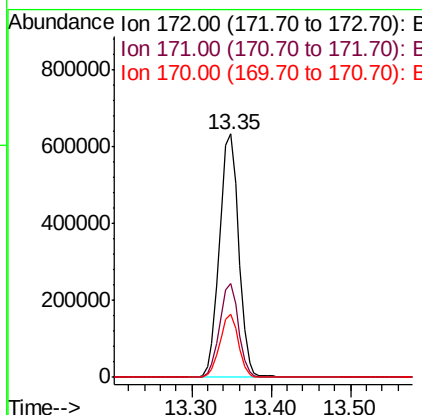
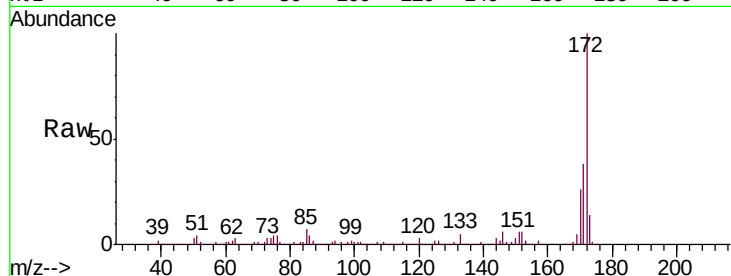




#45
 2-Fluorobiphenyl
 Concen: 102.735 ng
 RT: 13.35 min Scan# 1712
 Delta R.T. -0.02 min
 Lab File: BG037967.D
 Acq: 13 Nov 2018 5:56

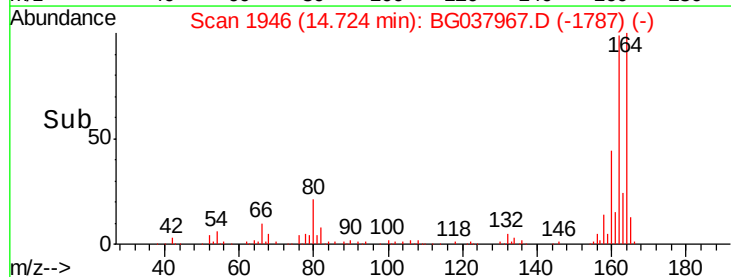
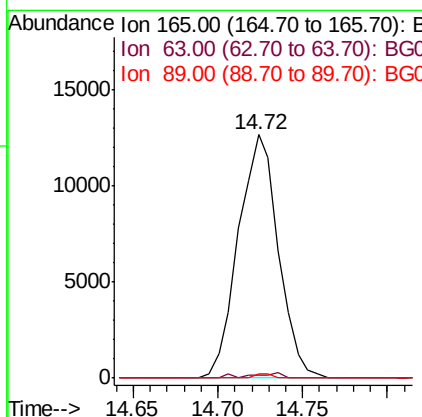
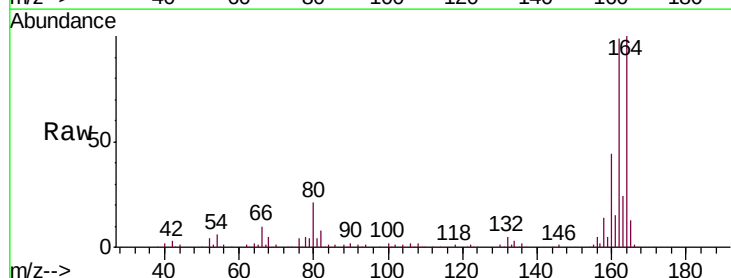
Instrument :
 BNA_G
 ClientSampleId :
 110818-TIPC-F-D-B

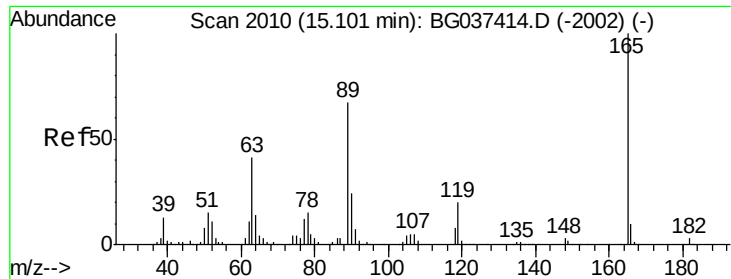
Tgt Ion:172 Resp: 1074271
 Ion Ratio Lower Upper
 172 100
 171 38.4 31.0 46.4
 170 25.7 20.2 30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.733 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. 0.40 min
 Lab File: BG037967.D
 Acq: 13 Nov 2018 5:56

Tgt Ion:165 Resp: 20869
 Ion Ratio Lower Upper
 165 100
 63 1.3 43.4 65.2#
 89 1.7 45.8 68.6#

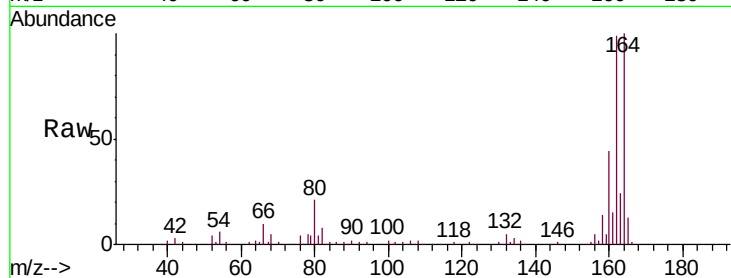




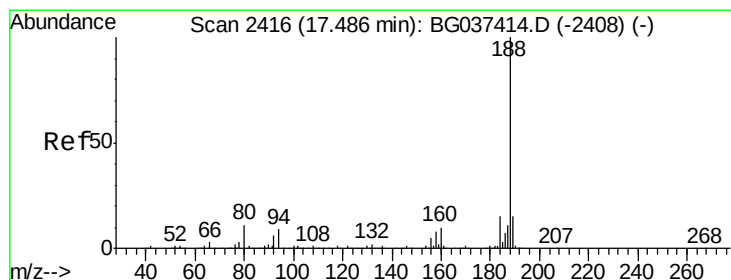
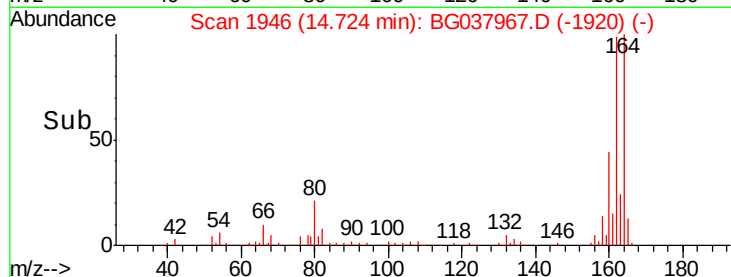
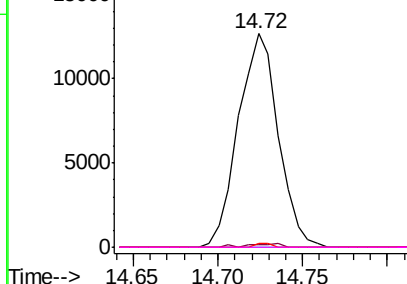
#57
 2,4-Dinitrotoluene
 Concen: 5.891 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. -0.38 min
 Lab File: BG037967.D
 Acq: 13 Nov 2018 5:56

Instrument :
 BNA_G
 ClientSampleId :
 110818-TIPC-F-D-B

Tgt Ion:	165	Resp:	20869
Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.4	50.0#
89	1.7	57.2	85.8#
182	0.0	2.6	4.0#

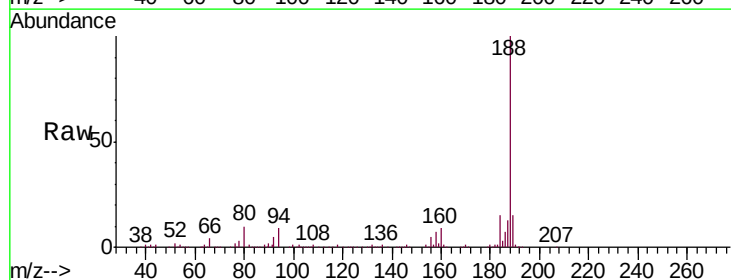


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

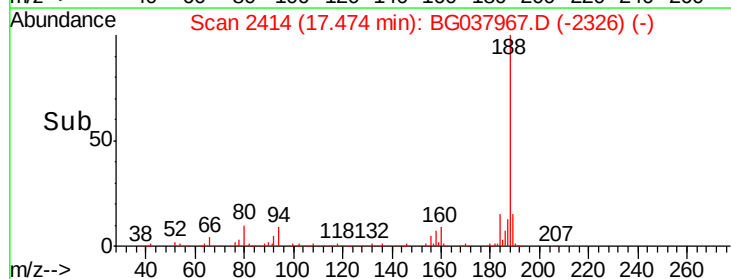
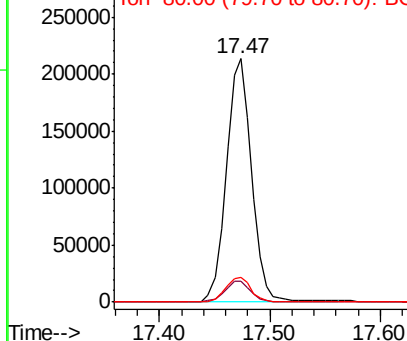


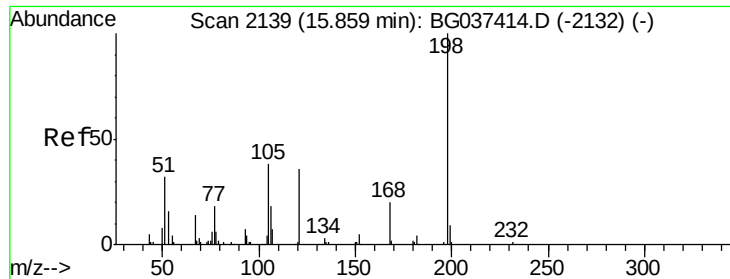
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2414
 Delta R.T. -0.01 min
 Lab File: BG037967.D
 Acq: 13 Nov 2018 5:56

Tgt Ion:	188	Resp:	341874
Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.2	10.8
80	9.9	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

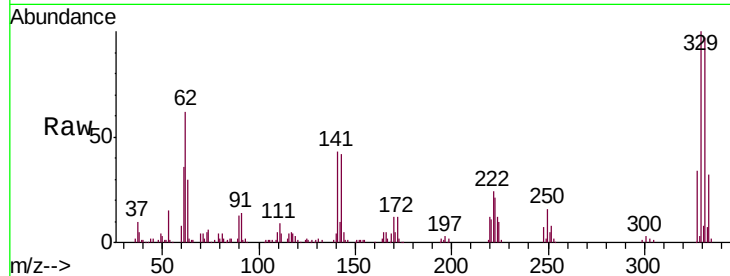




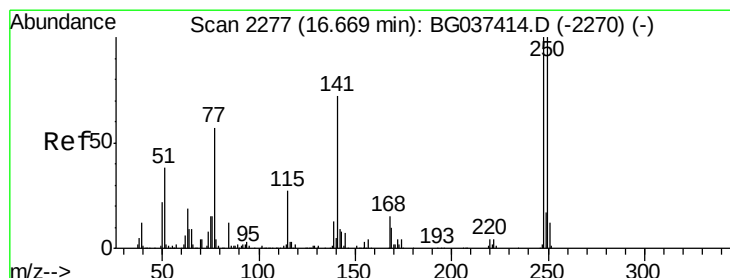
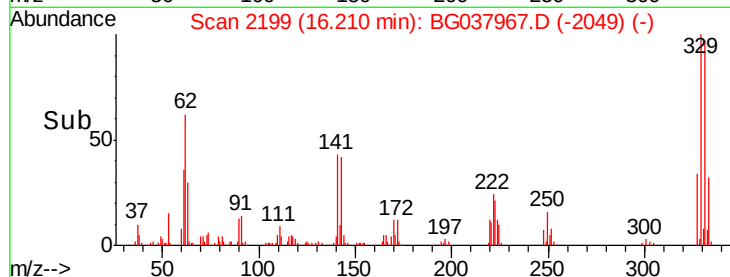
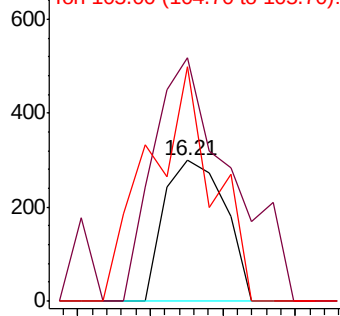
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.669 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. 0.35 min
 Lab File: BG037967.D
 Acq: 13 Nov 2018 5:56

Instrument :
 BNA_G
 ClientSampleId :
 110818-TIPC-F-D-B

Tgt Ion:198 Resp: 352
 Ion Ratio Lower Upper
 198 100
 51 31.6 22.7 62.7
 105 30.5 19.7 59.7

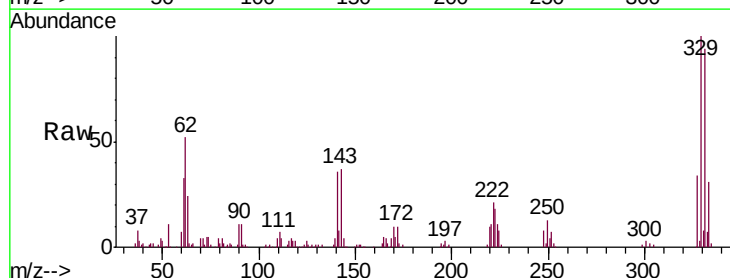


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

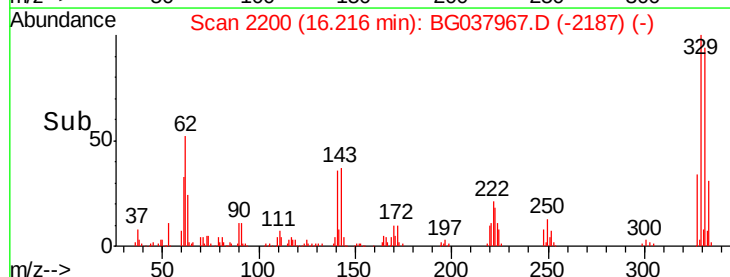
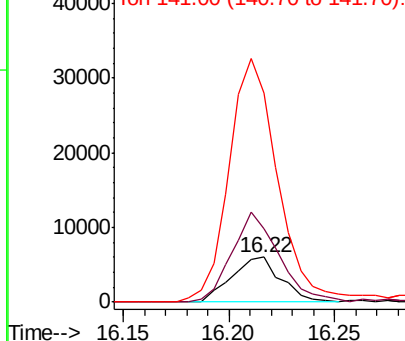


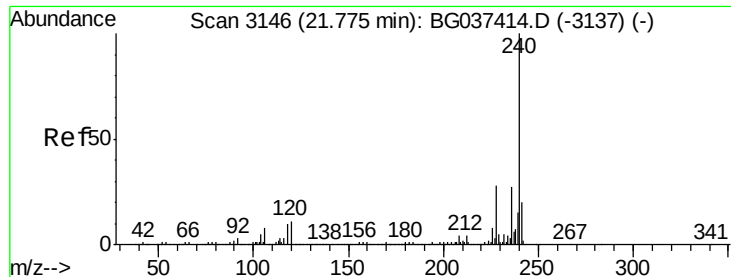
#67
 4-Bromophenyl-phenylether
 Concen: 2.588 ng
 RT: 16.22 min Scan# 2200
 Delta R.T. -0.45 min
 Lab File: BG037967.D
 Acq: 13 Nov 2018 5:56

Tgt Ion:248 Resp: 9718
 Ion Ratio Lower Upper
 248 100
 250 161.1 77.0 115.6#
 141 358.9 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

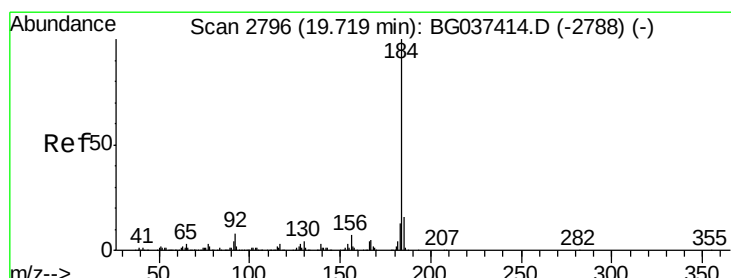
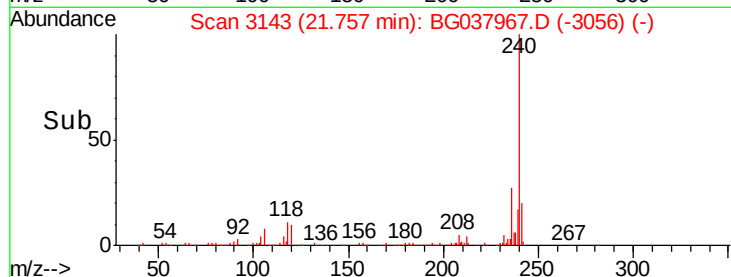
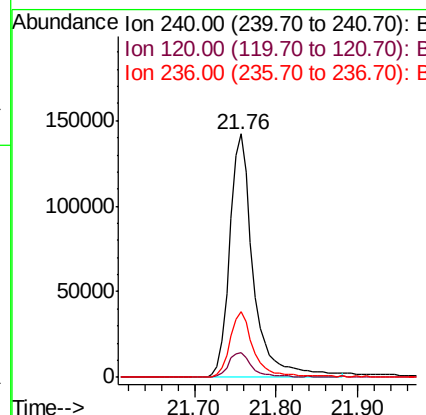
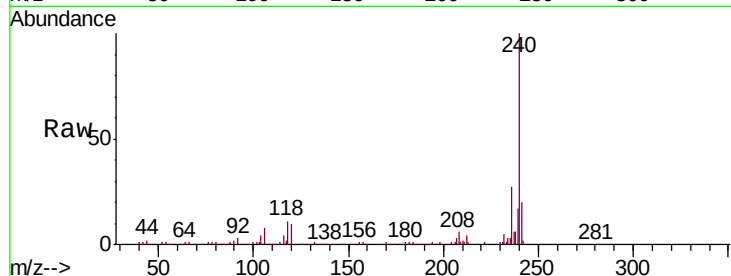




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3143
Delta R.T. -0.02 min
Lab File: BG037967.D
Acq: 13 Nov 2018 5:56

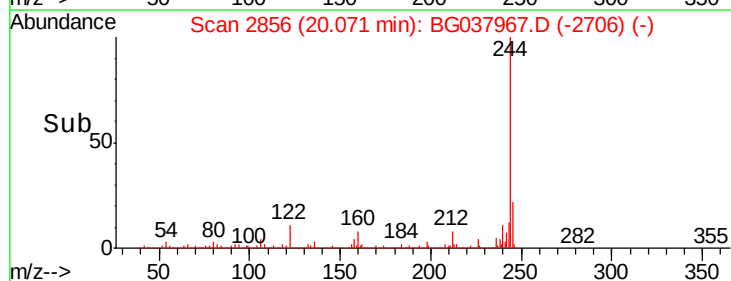
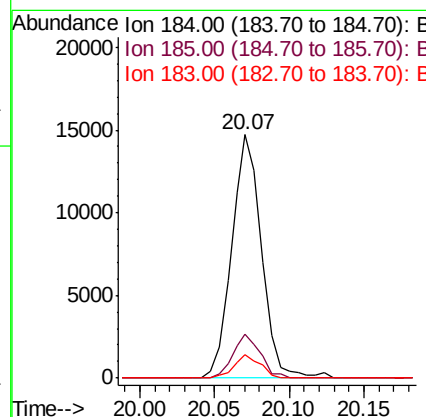
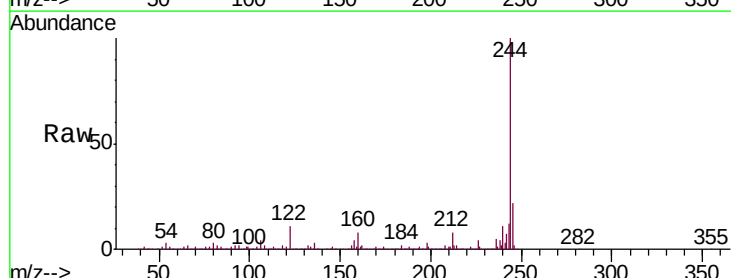
Instrument :
BNA_G
ClientSampleId :
110818-TIPC-F-D-B

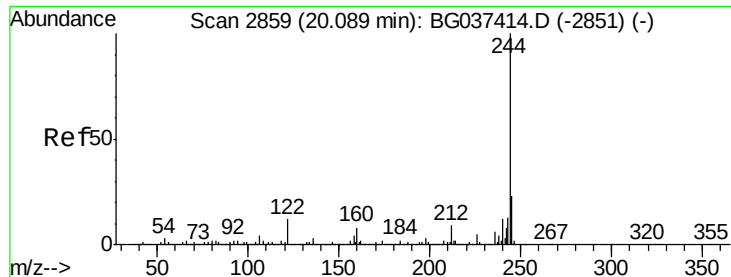
Tgt Ion:240 Resp: 288401
Ion Ratio Lower Upper
240 100
120 10.0 8.1 12.1
236 27.2 21.4 32.0



#77
Benzidine
Concen: 2.099 ng
RT: 20.07 min Scan# 2856
Delta R.T. 0.35 min
Lab File: BG037967.D
Acq: 13 Nov 2018 5:56

Tgt Ion:184 Resp: 20579
Ion Ratio Lower Upper
184 100
185 17.9 12.6 18.8
183 9.8 10.2 15.2#





#79

Terphenyl-d14

Concen: 95.442 ng

RT: 20.07 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BG037967.D

Acq: 13 Nov 2018 5:56

Instrument :

BNA_G

ClientSampleId :

110818-TIPC-F-D-B

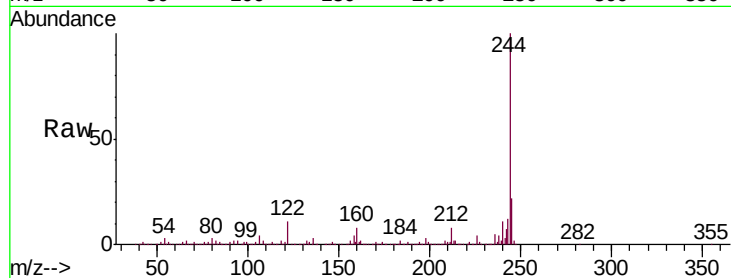
Tgt Ion:244 Resp: 1288193

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

122 11.3 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

1200000 Ion 212.00 (211.70 to 212.70): E

1000000 Ion 122.00 (121.70 to 122.70): E

800000

600000

400000

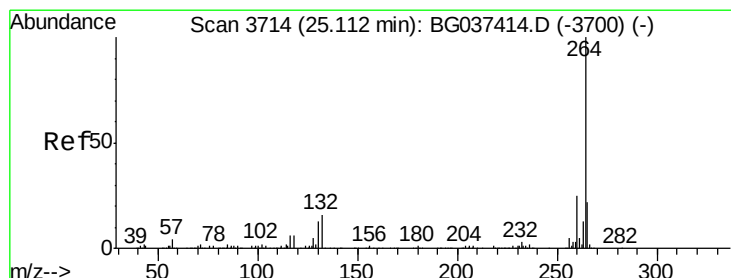
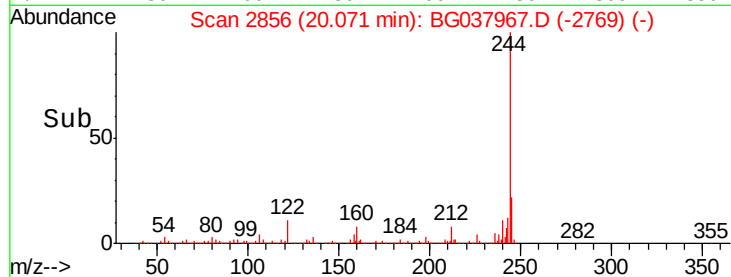
200000

0

20.07

20.00 20.20

Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3710

Delta R.T. -0.02 min

Lab File: BG037967.D

Acq: 13 Nov 2018 5:56

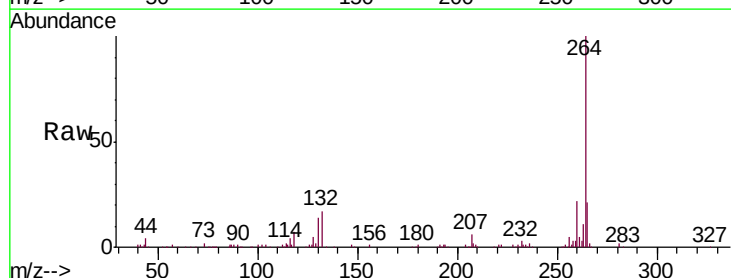
Tgt Ion:264 Resp: 241430

Ion Ratio Lower Upper

264 100

260 21.9 18.2 27.4

265 21.3 17.9 26.9



Abundance Ion 264.00 (263.70 to 264.70): E

80000 Ion 260.00 (259.70 to 260.70): E

60000 Ion 265.00 (264.70 to 265.70): E

40000

20000

0

25.09

25.00 25.20

Time-->

