

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102418\
 Data File : BG037527.D
 Acq On : 25 Oct 2018 1:21
 Operator : JU/SJ
 Sample : J5642-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 25 08:02:17 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

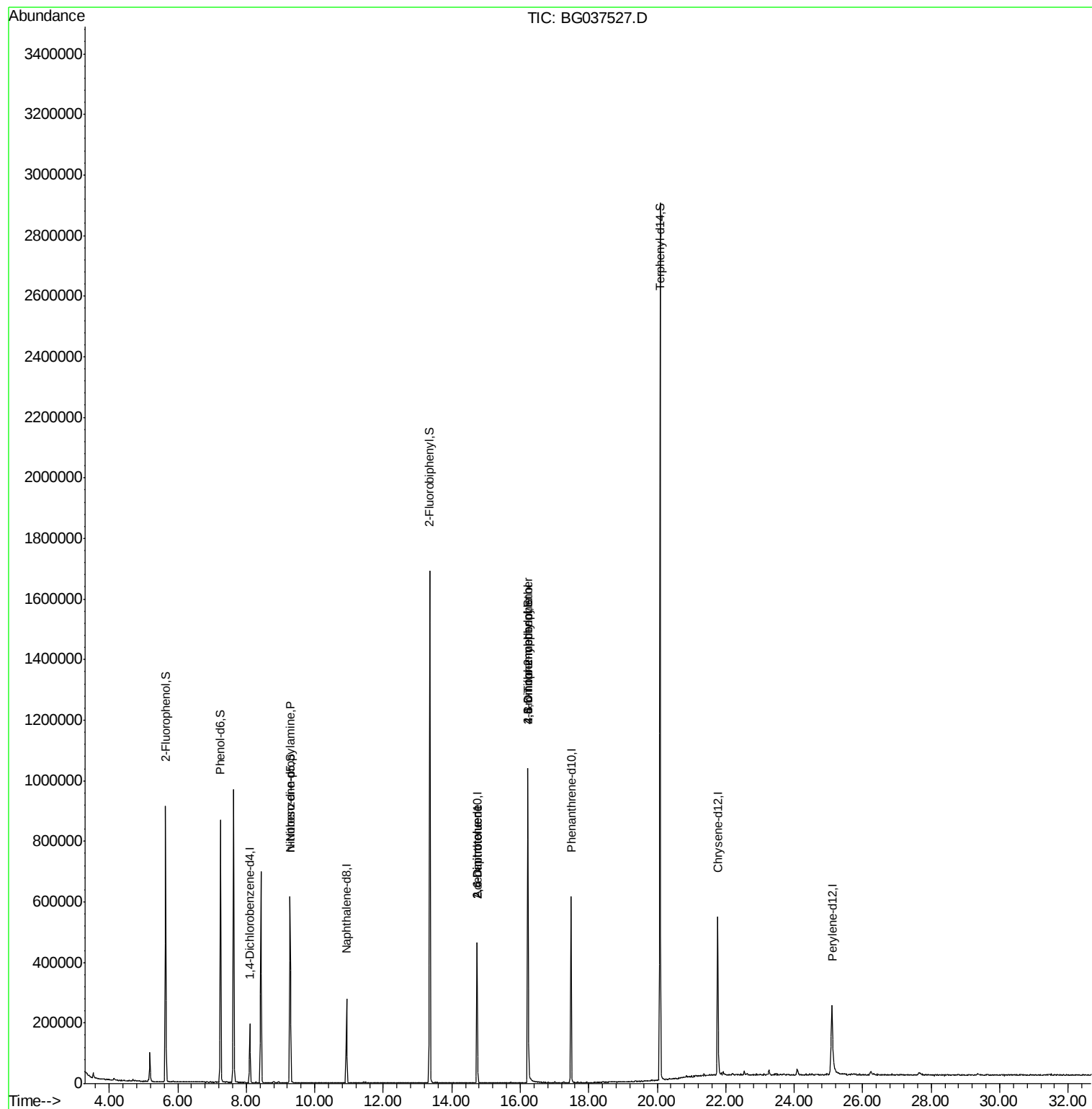
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	57707	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	249801	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	164591	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	388826	20.00	ng	0.00
76) Chrysene-d12	21.76	240	355551	20.00	ng	-0.01
87) Perylene-d12	25.10	264	323458	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	413898	119.91	ng	0.00
7) Phenol-d6	7.25	99	535305	102.56	ng	0.00
23) Nitrobenzene-d5	9.28	82	383976	86.11	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	195365	108.83	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	905284	82.94	ng	0.00
79) Terphenyl-d14	20.08	244	1384927	83.23	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	48068	13.374	ng	# 73
51) 2,6-Dinitrotoluene	14.73	165	21413	7.602	ng	# 24
57) 2,4-Dinitrotoluene	14.73	165	21413	5.791	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.22	198	531	8.722	ng	79
67) 4-Bromophenyl-phenylether	16.22	248	14148	3.313	ng	# 1

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

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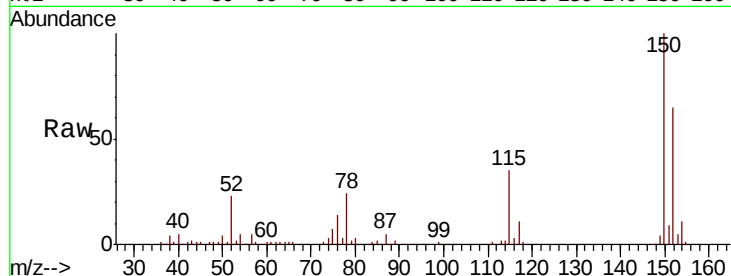


#1

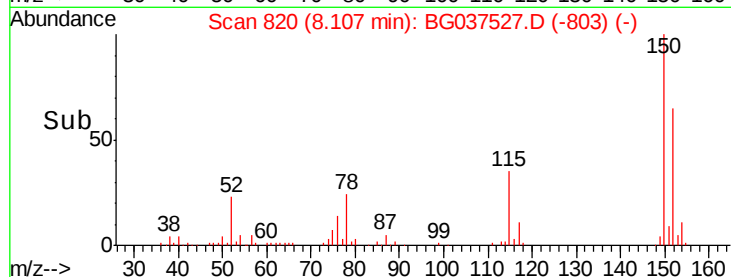
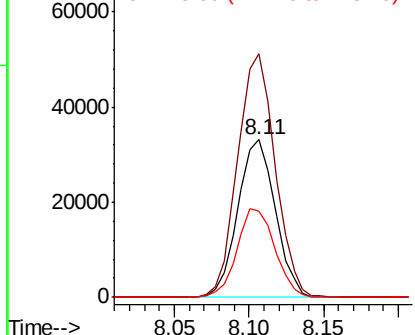
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037527.D
Acq: 25 Oct 2018 1:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 57707
Ion Ratio Lower Upper
152 100
150 154.6 126.0 189.0
115 54.6 45.5 68.3



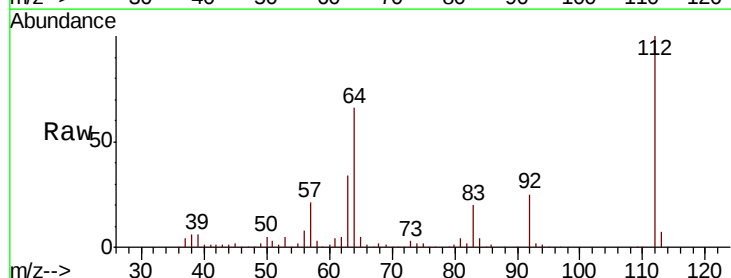
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



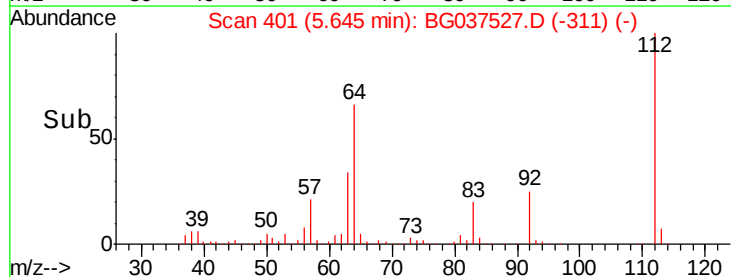
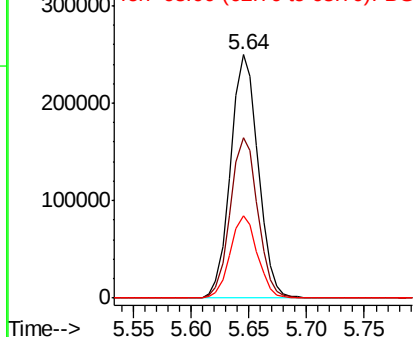
#5

2-Fluorophenol
Concen: 119.912 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037527.D
Acq: 25 Oct 2018 1:21

Tgt Ion:112 Resp: 413898
Ion Ratio Lower Upper
112 100
64 66.1 53.1 79.7
63 33.6 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: 102.561 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037527.D

Acq: 25 Oct 2018 1:21

Instrument :

BNA_G

ClientSampleId :

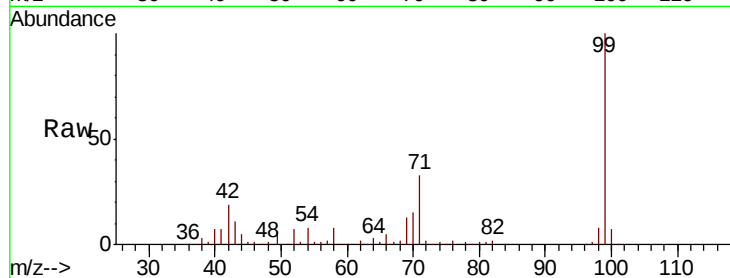
Tot Ion: 99 Resp: 535305

Ion Ratio Lower Upper

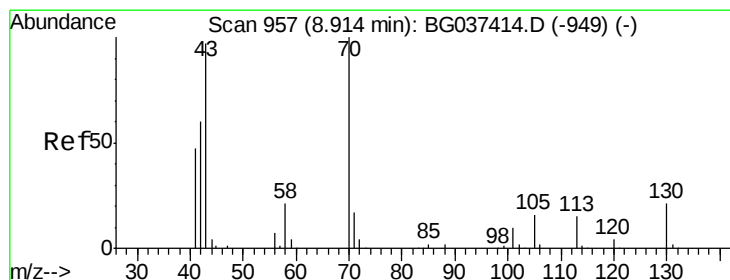
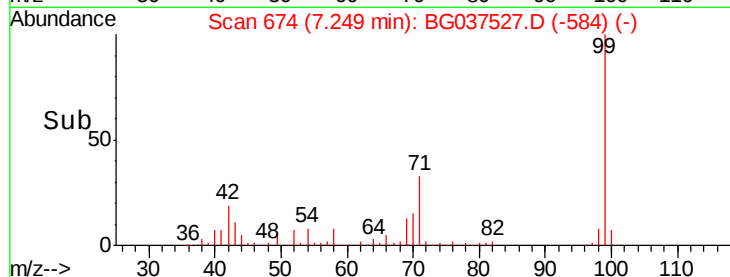
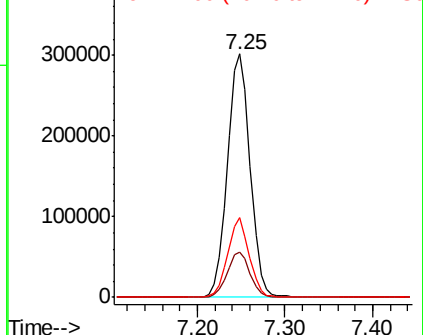
99 100

42 18.8 15.0 22.4

71 32.5 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: 13.374 ng

RT: 9.28 min Scan# 1020

Delta R.T. 0.37 min

Lab File: BG037527.D

Acq: 25 Oct 2018 1:21

Tgt Ion: 70 Resp: 48068

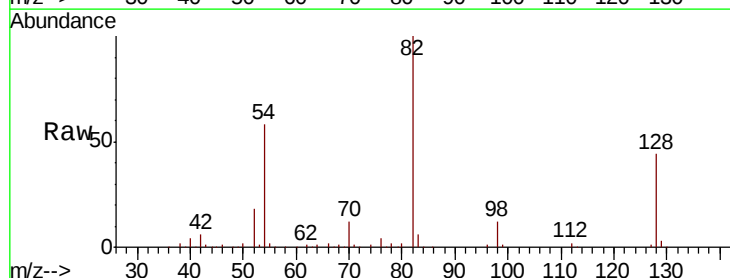
Ion Ratio Lower Upper

70 100

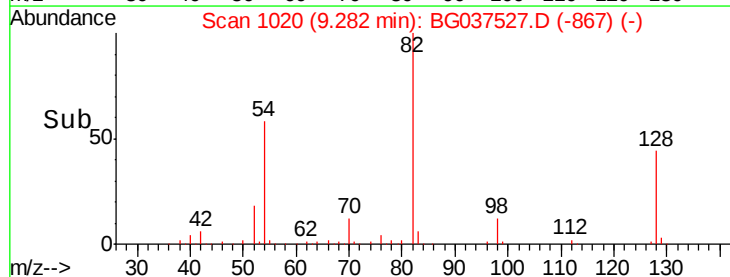
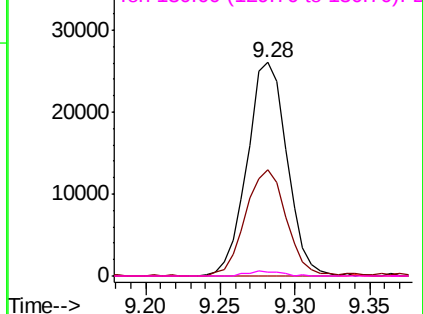
42 49.9 53.9 80.9#

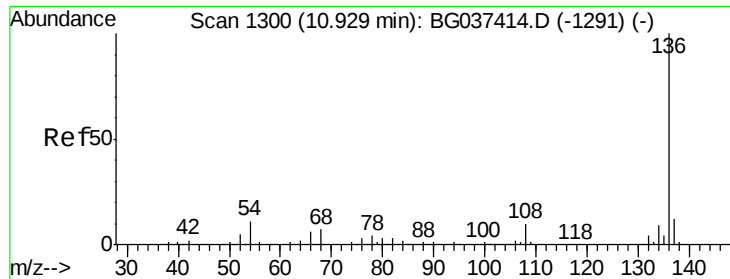
101 0.0 8.2 12.2#

130 1.6 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

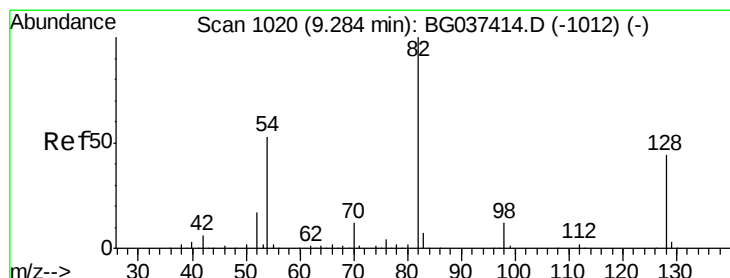
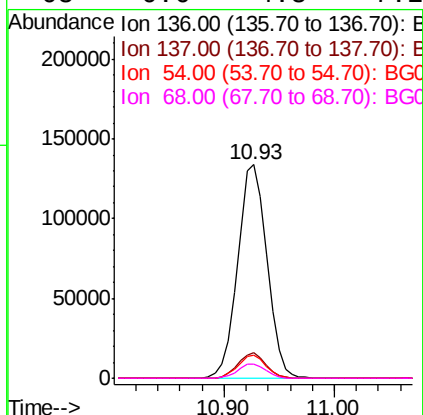
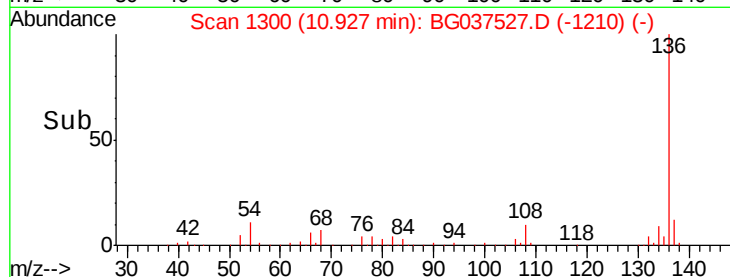
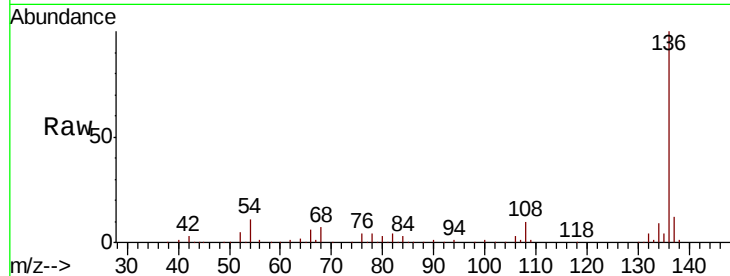




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037527.D
Acq: 25 Oct 2018 1:21

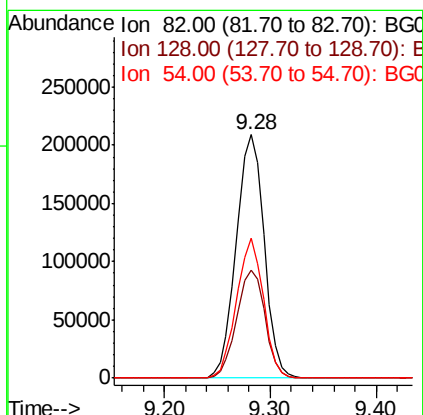
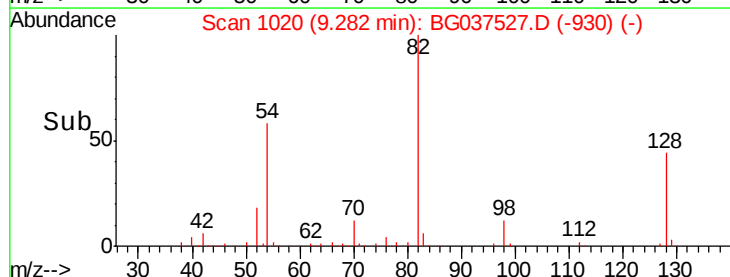
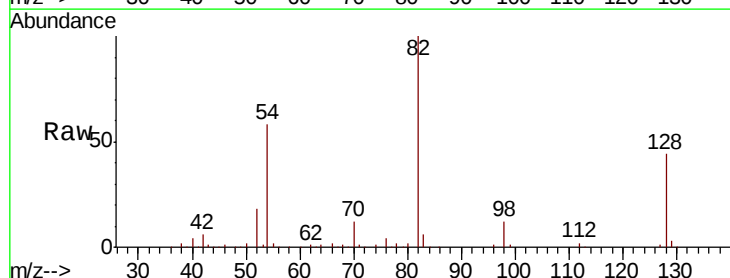
Instrument :
BNA_G
ClientSampleId :

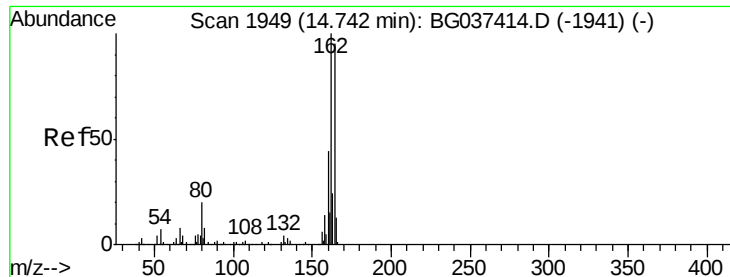
Tot Ion:136	Resp:	249801
Ion	Ratio	Lower Upper
136	100	
137	11.8	9.6 14.4
54	10.5	7.9 11.9
68	6.6	4.8 7.2



#23
Nitrobenzene-d5
Concen: 86.108 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037527.D
Acq: 25 Oct 2018 1:21

Tgt Ion: 82	Resp:	383976
Ion	Ratio	Lower Upper
82	100	
128	44.4	34.6 51.8
54	57.6	45.3 67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BG037527.D

Acq: 25 Oct 2018 1:21

Instrument :

BNA_G

ClientSampleId :

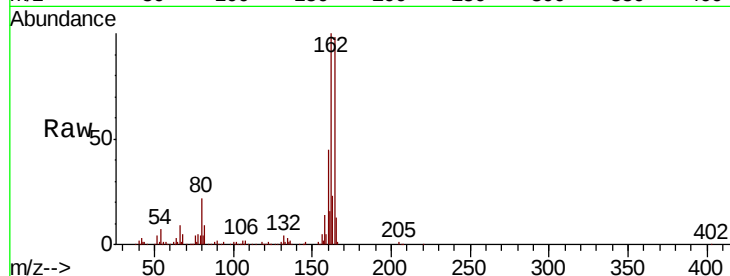
Tot Ion:164 Resp: 164591

Ion Ratio Lower Upper

164 100

162 101.8 81.3 121.9

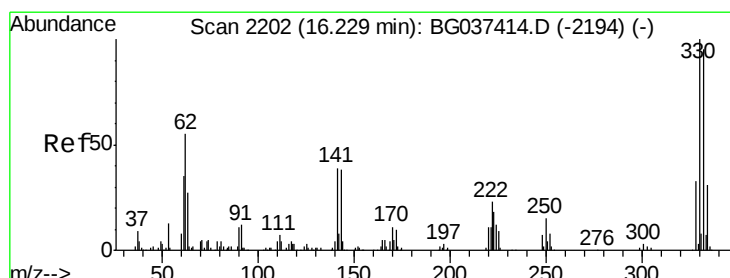
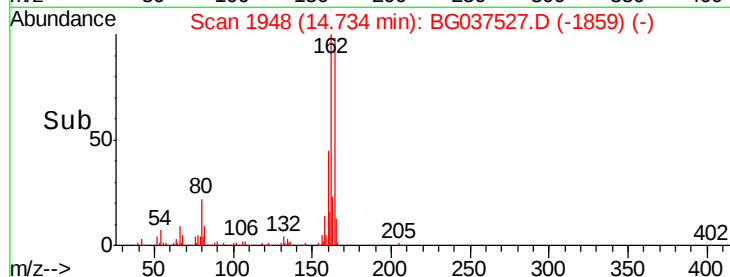
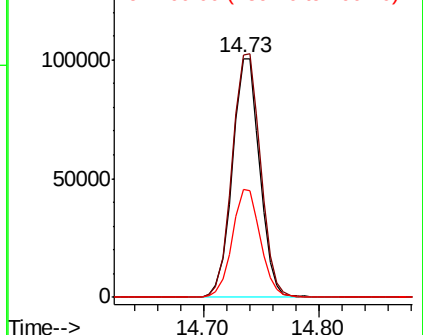
160 45.3 36.3 54.5



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: 108.828 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037527.D

Acq: 25 Oct 2018 1:21

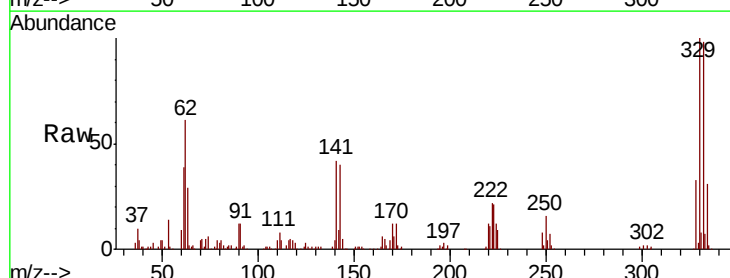
Tgt Ion:330 Resp: 195365

Ion Ratio Lower Upper

330 100

332 96.2 78.4 117.6

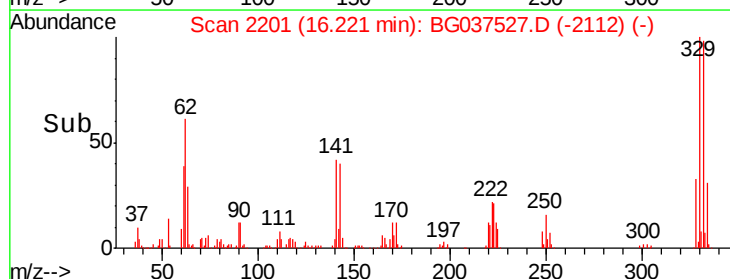
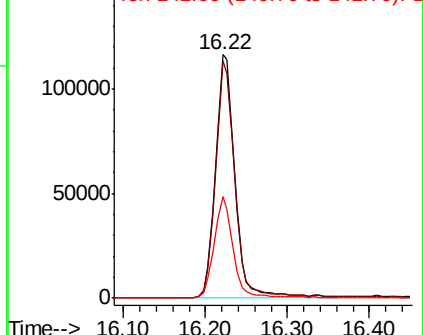
141 39.7 32.2 48.2

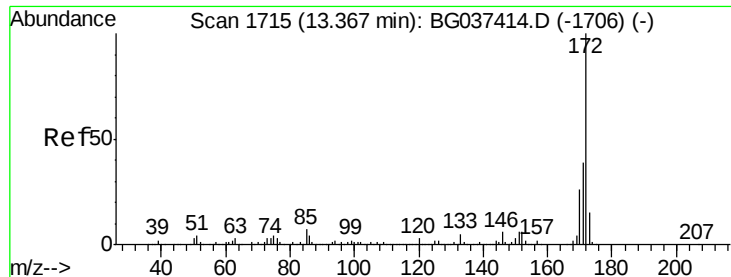


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

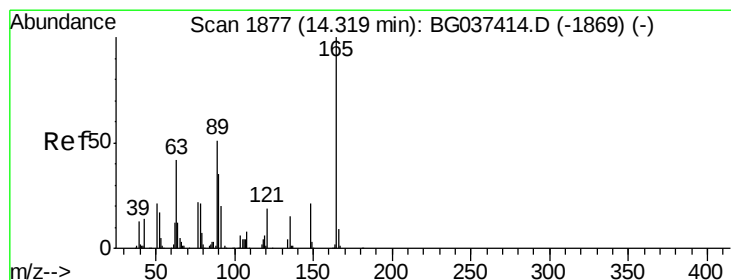
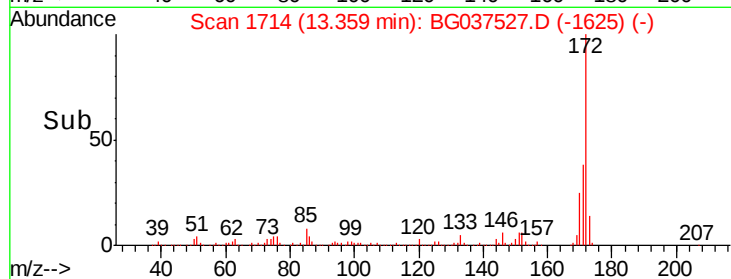
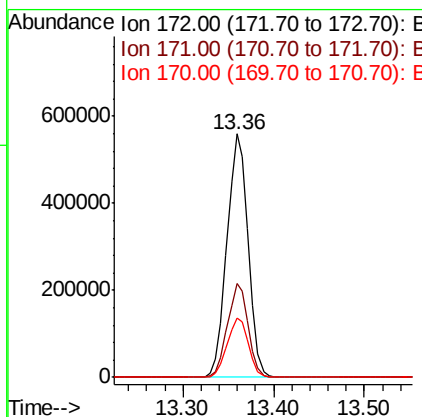
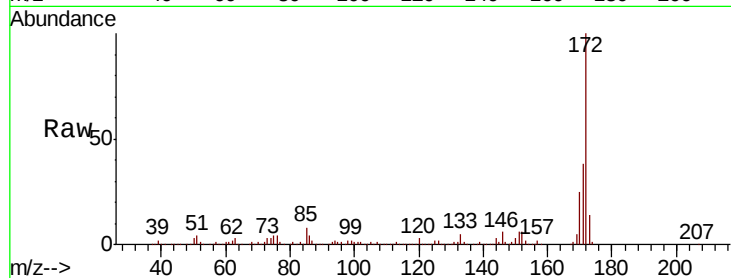




#45
2-Fluorobiphenyl
Concen: 82.940 ng
RT: 13.36 min Scan# 1714
Delta R.T. -0.01 min
Lab File: BG037527.D
Acq: 25 Oct 2018 1:21

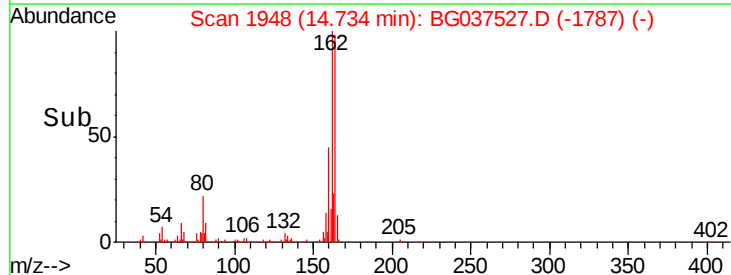
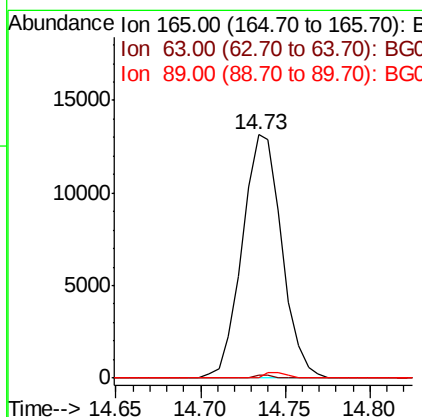
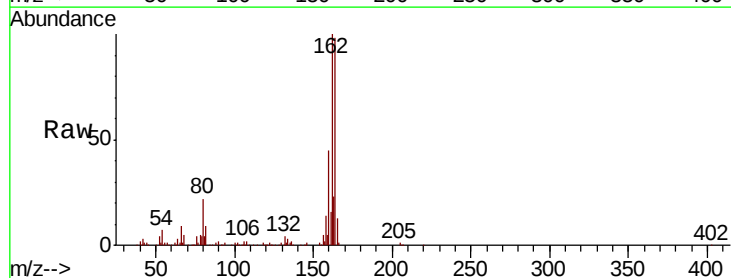
Instrument :
BNA_G
ClientSampleId :

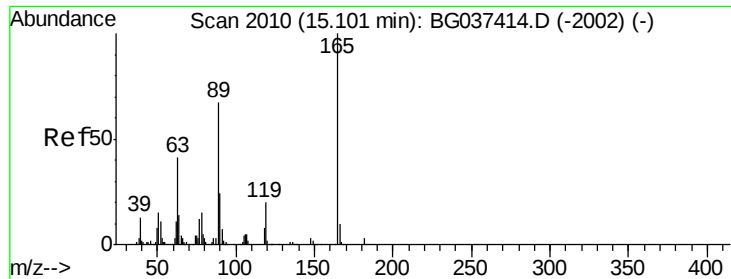
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.4	31.0	46.4
170	24.6	20.2	30.2



#51
2,6-Dinitrotoluene
Concen: 7.602 ng
RT: 14.73 min Scan# 1948
Delta R.T. 0.41 min
Lab File: BG037527.D
Acq: 25 Oct 2018 1:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	43.4	65.2#
89	0.0	45.8	68.6#

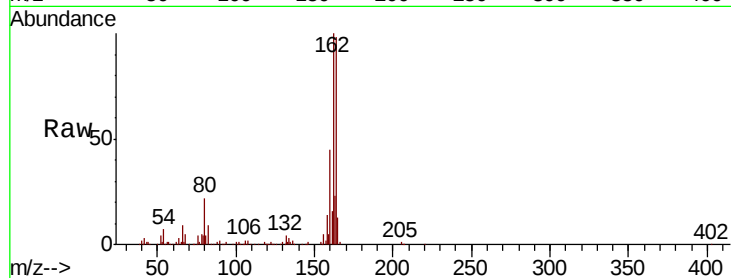




#57
 2,4-Dinitrotoluene
 Concen: 5.791 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037527.D
 Acq: 25 Oct 2018 1:21

Instrument :
 BNA_G
 ClientSampleId :

Tot 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#

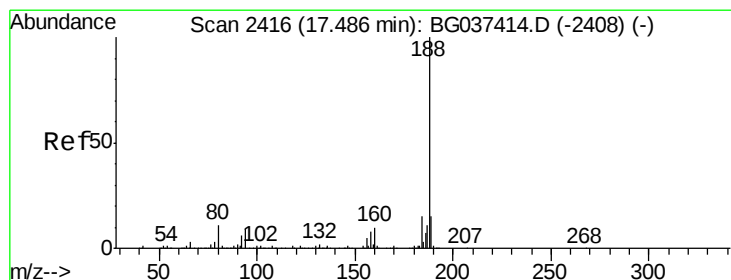
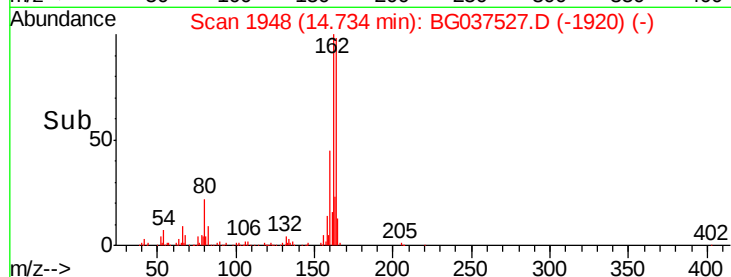
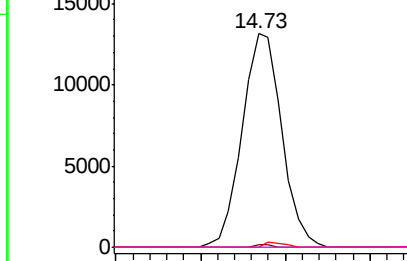


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

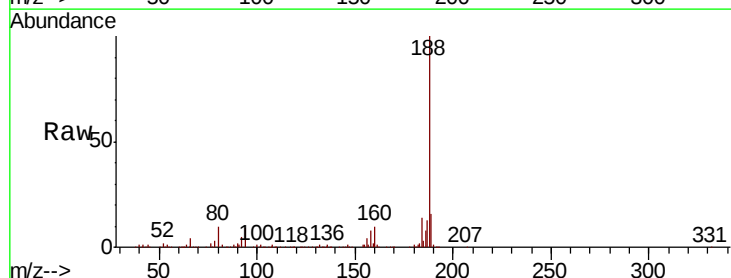
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2416
 Delta R.T. -0.00 min
 Lab File: BG037527.D
 Acq: 25 Oct 2018 1:21

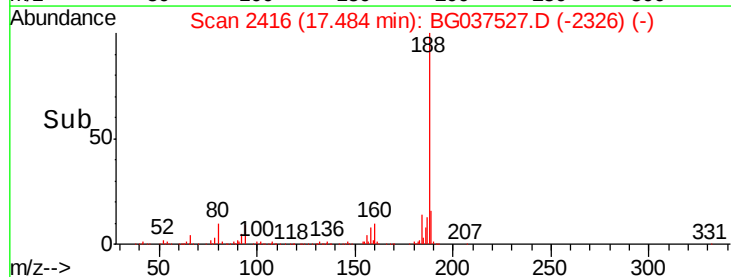
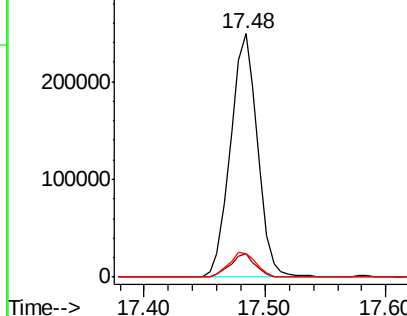
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.2	10.8
80	9.7	7.7	11.5

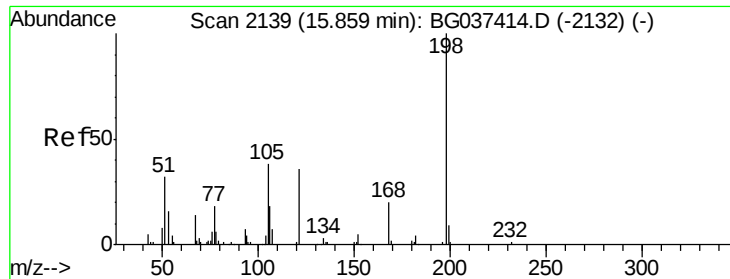


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

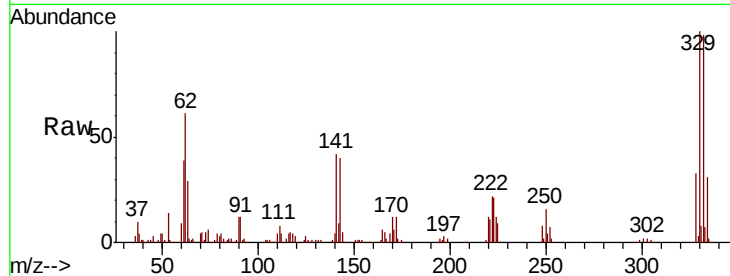




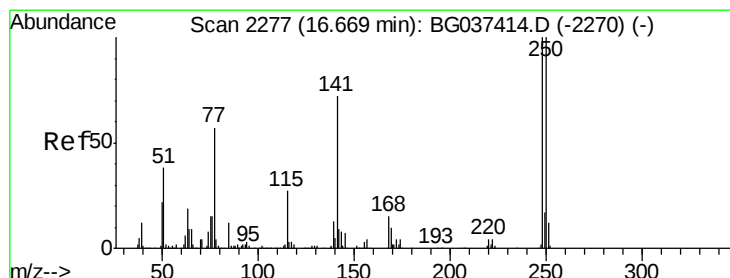
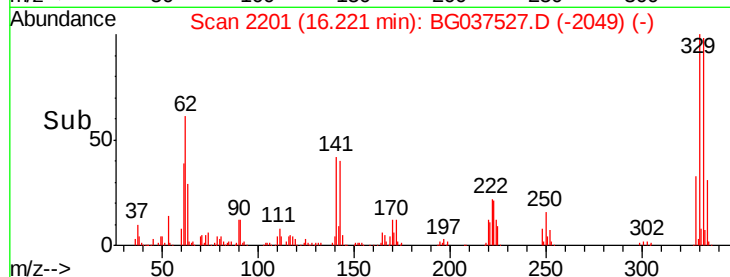
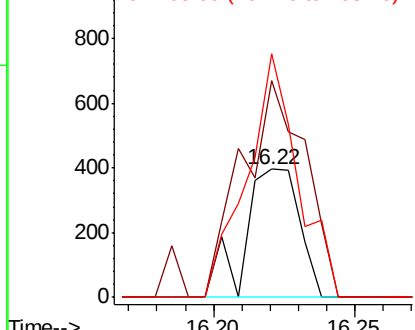
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.722 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. 0.36 min
 Lab File: BG037527.D
 Acq: 25 Oct 2018 1:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 531
 Ion Ratio Lower Upper
 198 100
 51 26.7 22.7 62.7
 105 29.9 19.7 59.7

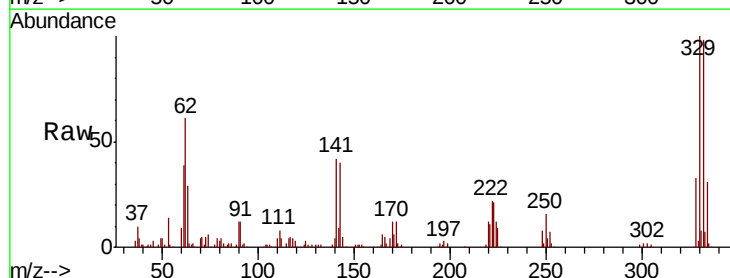


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

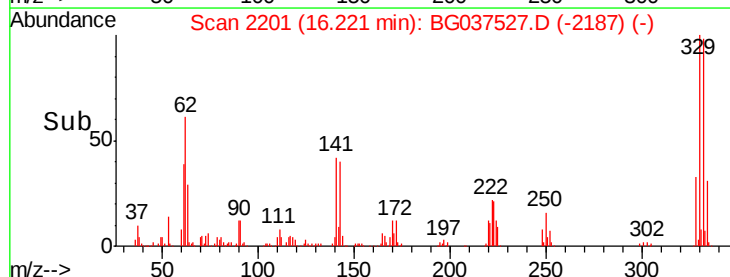
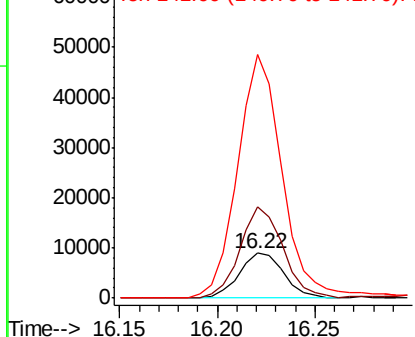


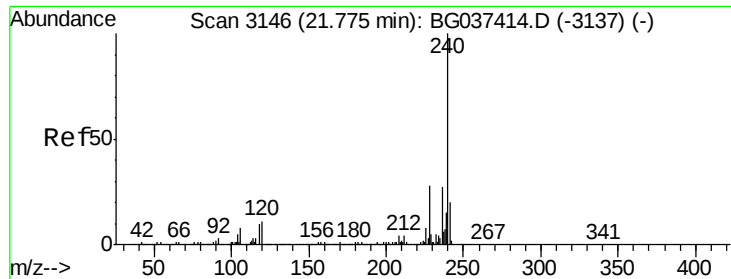
#67
 4-Bromophenyl-phenylether
 Concen: 3.313 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037527.D
 Acq: 25 Oct 2018 1:21

Tgt Ion:248 Resp: 14148
 Ion Ratio Lower Upper
 248 100
 250 200.6 77.0 115.6#
 141 417.5 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

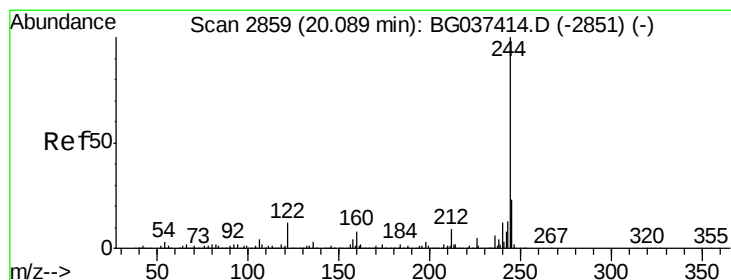
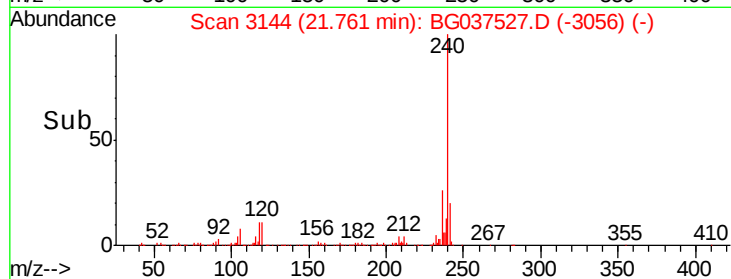
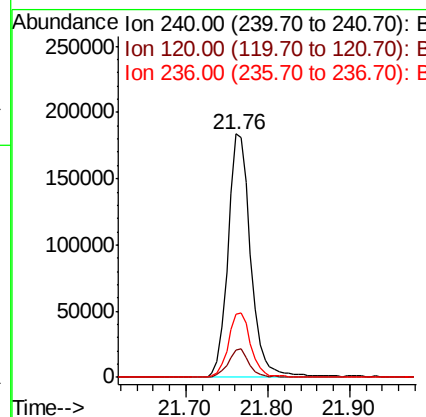
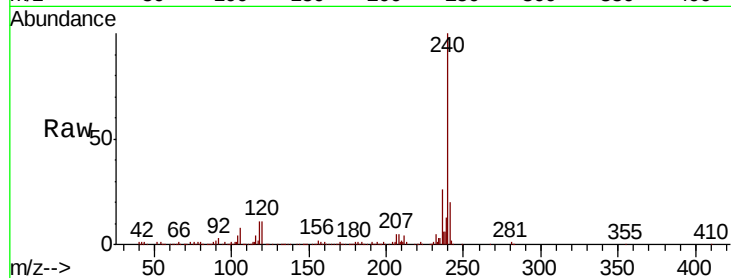




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG037527.D
Acq: 25 Oct 2018 1:21

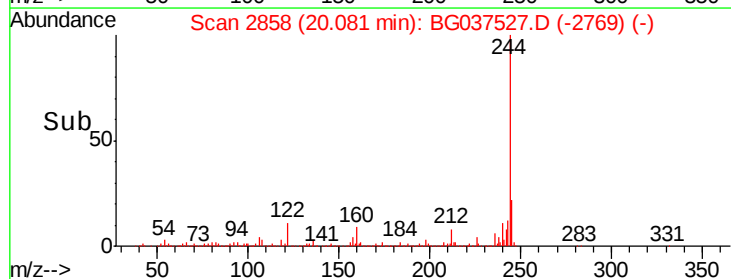
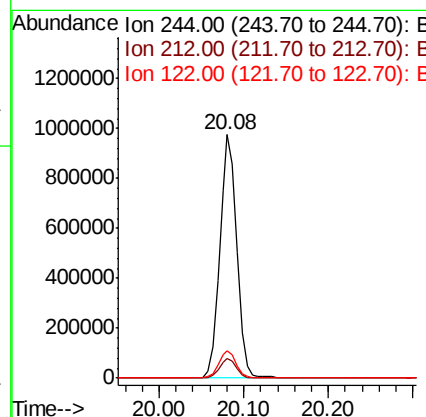
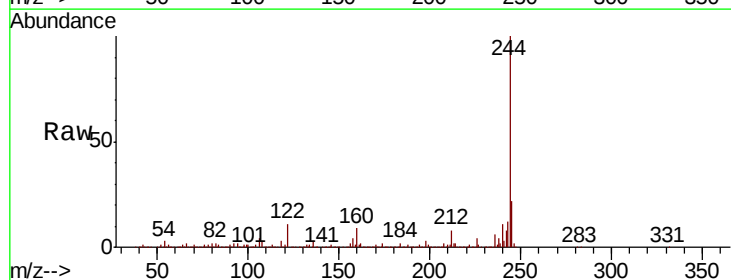
Instrument :
BNA_G
ClientSampled :

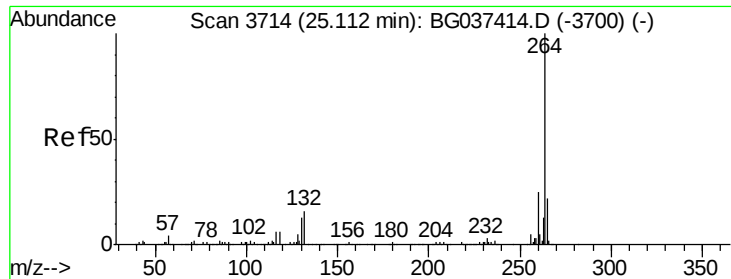
Tot Ion:240 Resp: 355551
Ion Ratio Lower Upper
240 100
120 11.1 8.1 12.1
236 25.7 21.4 32.0



#79
Terphenyl-d14
Concen: 83.230 ng
RT: 20.08 min Scan# 2858
Delta R.T. -0.01 min
Lab File: BG037527.D
Acq: 25 Oct 2018 1:21

Tgt Ion:244 Resp: 1384927
Ion Ratio Lower Upper
244 100
212 8.1 6.5 9.7
122 11.4 9.0 13.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.10 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG037527.D
Acq: 25 Oct 2018 1:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.4
265	21.6	17.9	26.9

