

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102618\
 Data File : BG037608.D
 Acq On : 27 Oct 2018 8:52
 Operator : JU/SJ
 Sample : J5662-14
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 29 04:11:01 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

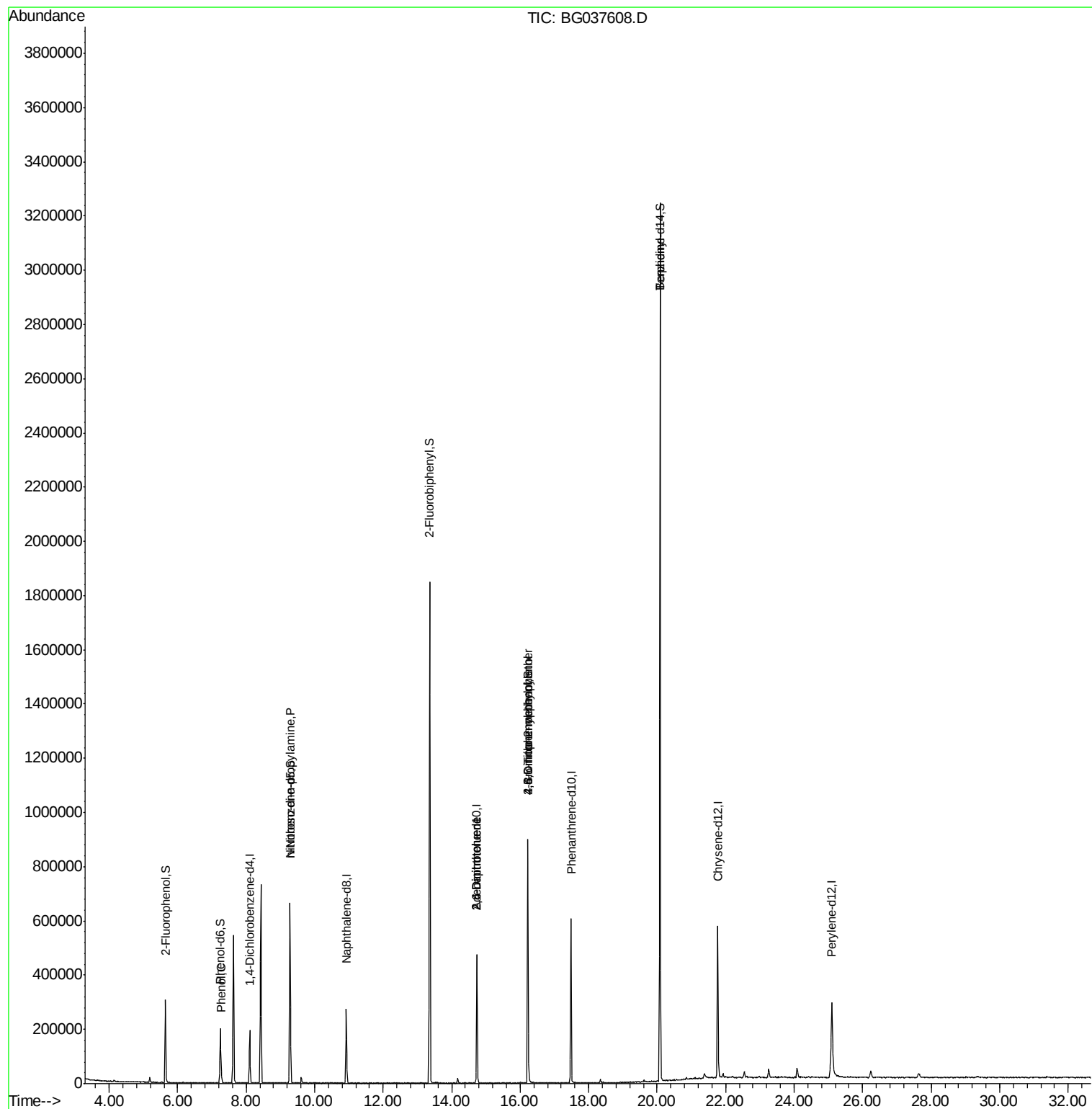
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	57996	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	242116	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	166185	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	403249	20.00	ng	0.00
76) Chrysene-d12	21.77	240	365257	20.00	ng	0.00
87) Perylene-d12	25.10	264	344780	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	141252	40.72	ng	0.00
7) Phenol-d6	7.24	99	129179	24.63	ng	-0.01
23) Nitrobenzene-d5	9.28	82	418452	96.82	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	162682	89.75	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1008004	91.47	ng	0.00
79) Terphenyl-d14	20.08	244	1504452	88.01	ng	0.00
Target Compounds						
10) Phenol	7.27	94	34055	6.153	ng	97
19) n-Nitroso-di-n-propylamine	9.28	70	52673	14.582	ng	# 72
51) 2,6-Dinitrotoluene	14.73	165	21808	7.668	ng	# 25
57) 2,4-Dinitrotoluene	14.73	165	21808	5.841	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.22	198	233	8.598	ng	95
67) 4-Bromophenyl-phenylether	16.22	248	11553	2.609	ng	# 1
77) Benzidine	20.08	184	25558	2.058	ng	# 89

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

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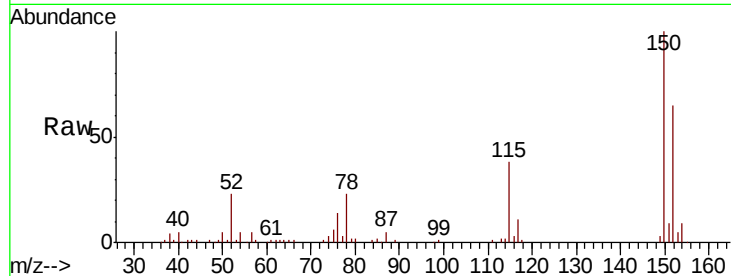


#1

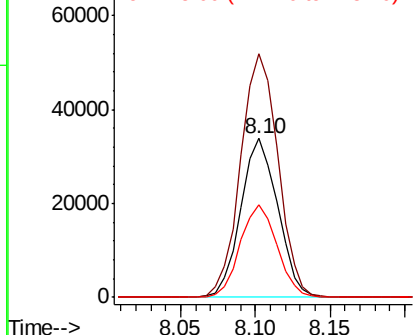
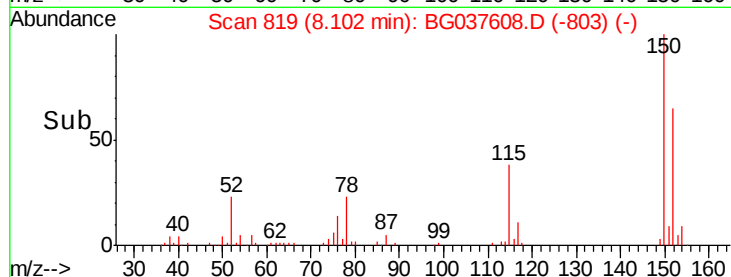
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037608.D
Acq: 27 Oct 2018 8:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 57996
Ion Ratio Lower Upper
152 100
150 153.3 126.0 189.0
115 58.0 45.5 68.3



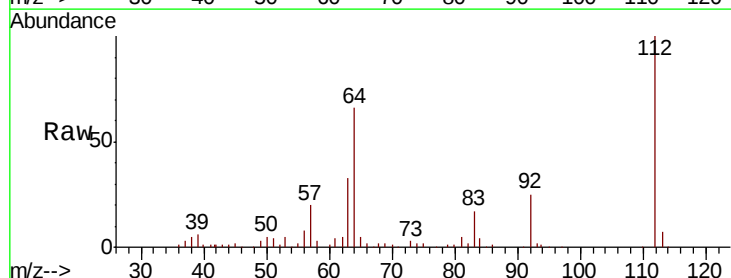
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



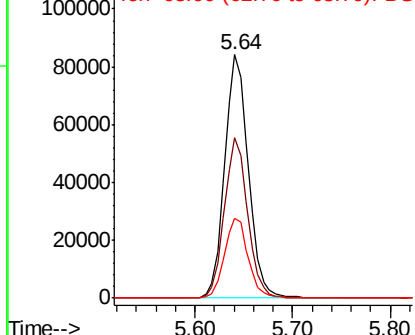
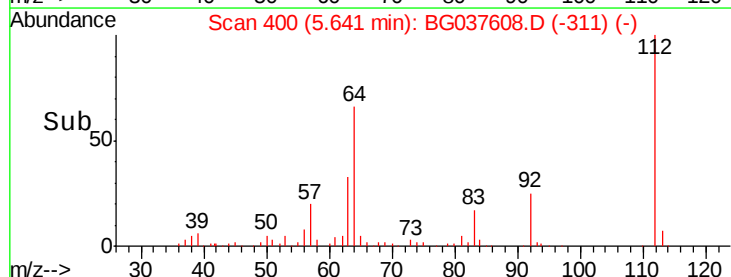
#5

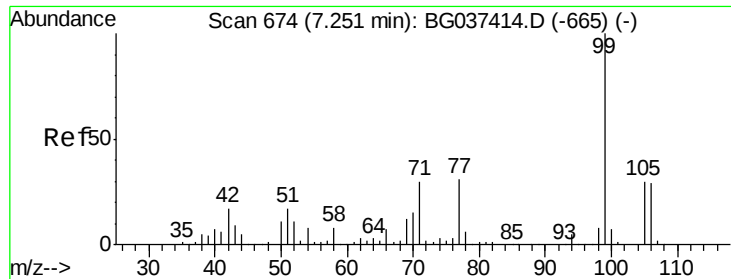
2-Fluorophenol
Concen: 40.719 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037608.D
Acq: 27 Oct 2018 8:52

Tgt Ion:112 Resp: 141252
Ion Ratio Lower Upper
112 100
64 66.1 53.1 79.7
63 33.0 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: 24.627 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037608.D

Acq: 27 Oct 2018 8:52

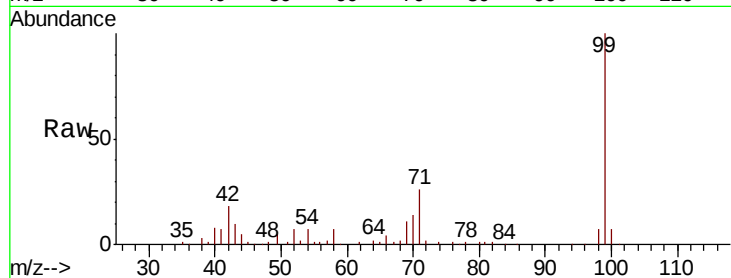
Instrument :

BNA_G

ClientSampled :

Tot Ion: 99 Resp: 129179

Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.0	22.4
71	26.3	25.5	38.3

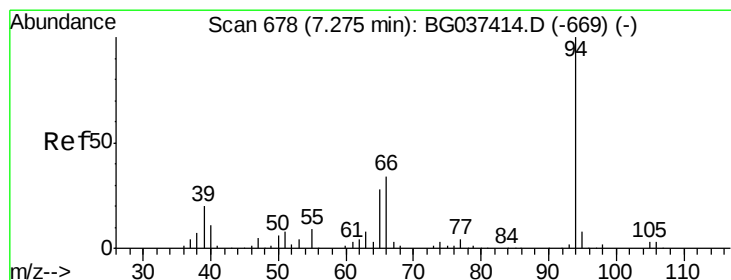
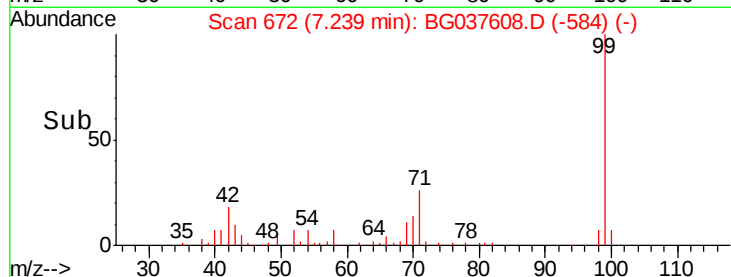
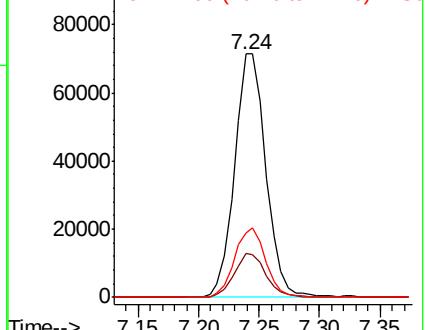


Abundance

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



#10

Phenol

Concen: 6.153 ng

RT: 7.27 min Scan# 677

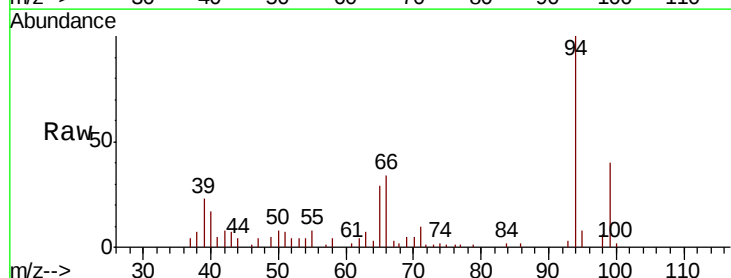
Delta R.T. -0.01 min

Lab File: BG037608.D

Acq: 27 Oct 2018 8:52

Tgt Ion: 94 Resp: 34055

Ion	Ratio	Lower	Upper
94	100		
65	28.5	9.7	49.7
66	33.9	15.9	55.9

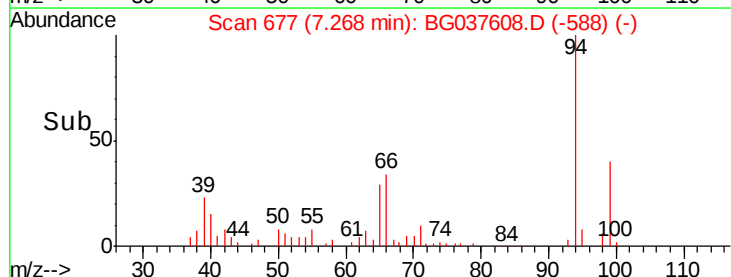
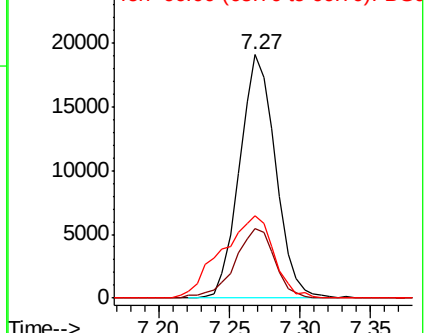


Abundance

Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

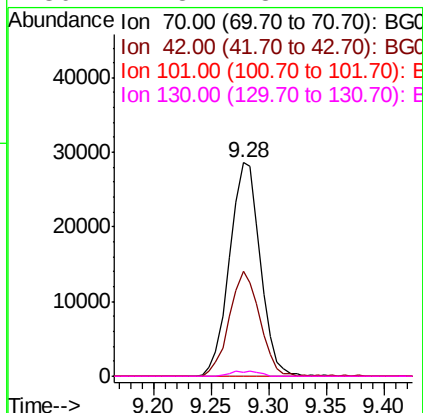
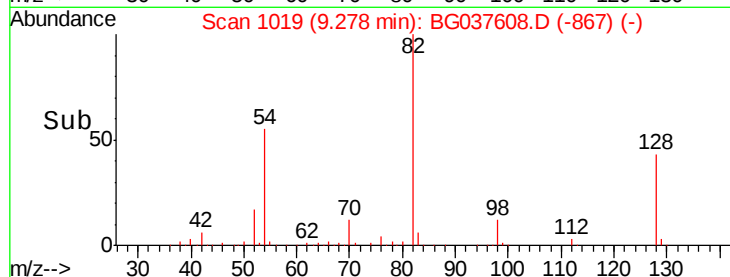
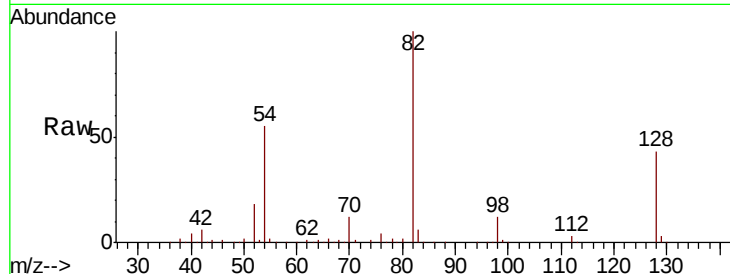




#19
n-Nitroso-di-n-propylamine
Concen: 14.582 ng
RT: 9.28 min Scan# 1019
Delta R.T. 0.36 min
Lab File: BG037608.D
Acq: 27 Oct 2018 8:52

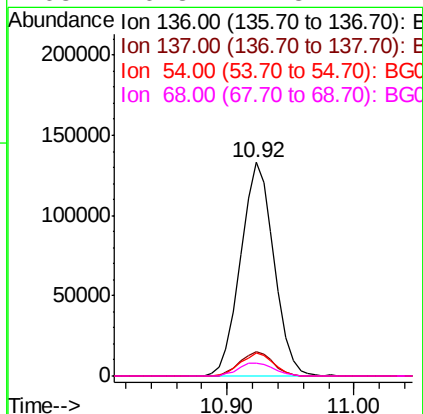
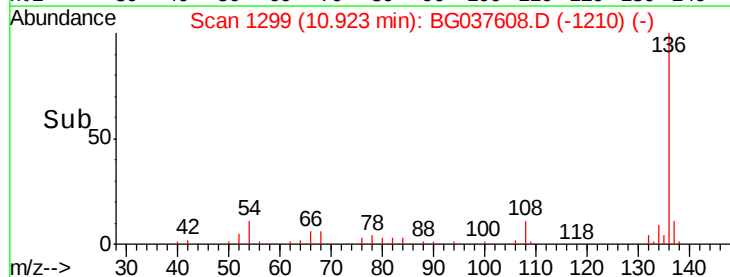
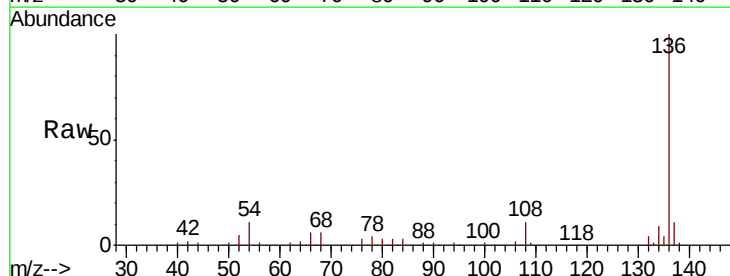
Instrument :
BNA_G
ClientSampled :

Tot Ion: 70 Resp: 52673
Ion Ratio Lower Upper
70 100
42 48.9 53.9 80.9#
101 0.0 8.2 12.2#
130 1.8 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG037608.D
Acq: 27 Oct 2018 8:52

Tgt Ion: 136 Resp: 242116
Ion Ratio Lower Upper
136 100
137 11.4 9.6 14.4
54 10.6 7.9 11.9
68 6.3 4.8 7.2

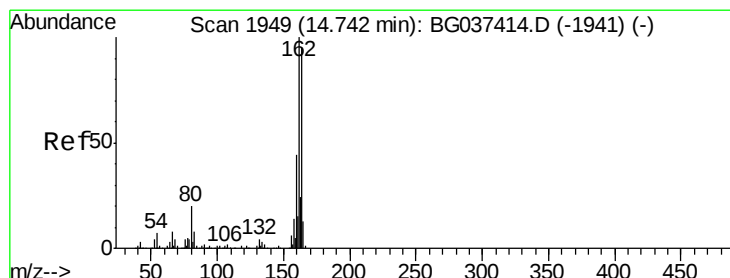
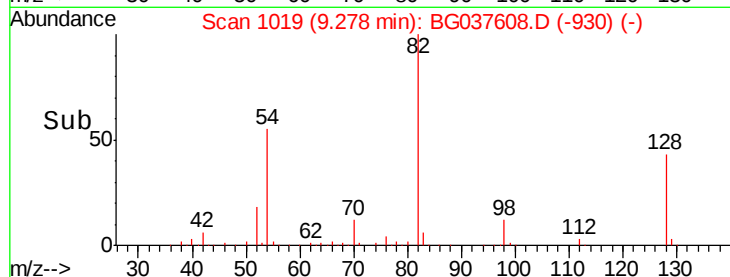
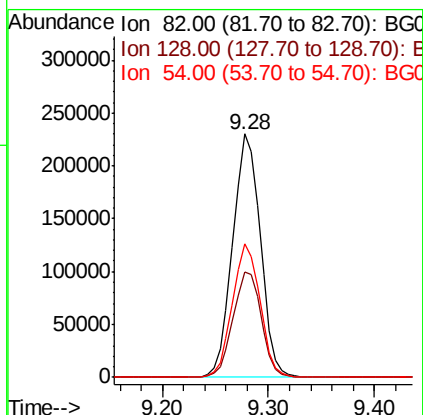
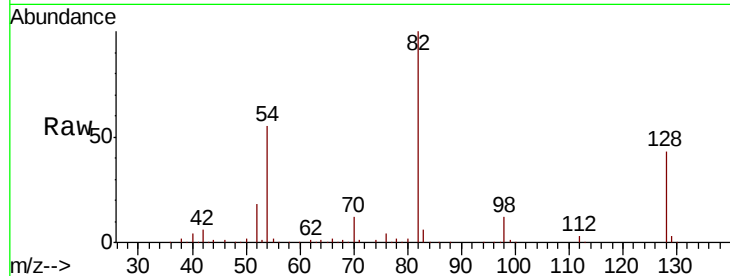




#23
Nitrobenzene-d5
Concen: 96.818 ng
RT: 9.28 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037608.D
Acq: 27 Oct 2018 8:52

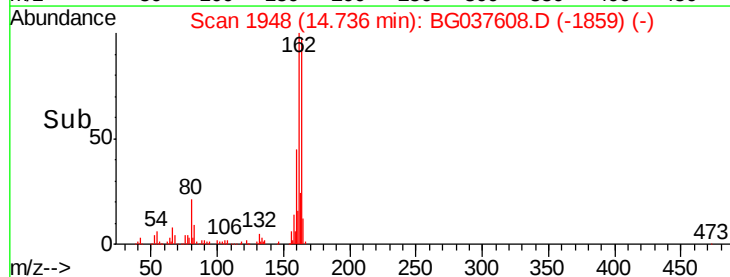
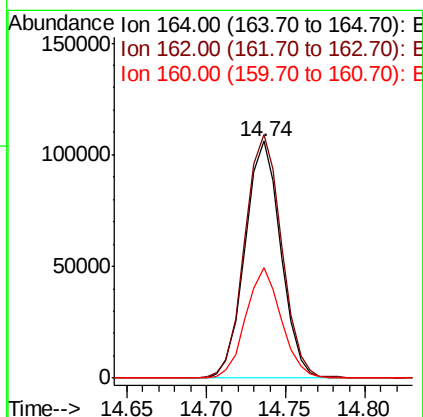
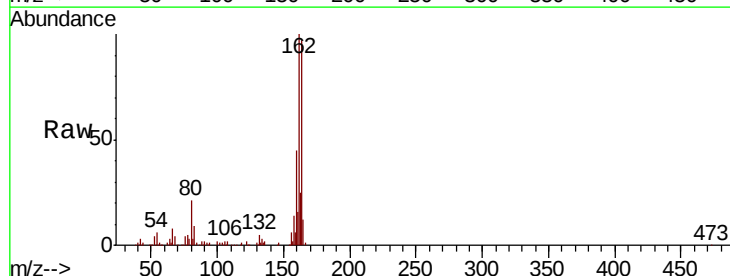
Instrument :
BNA_G
ClientSampleId :

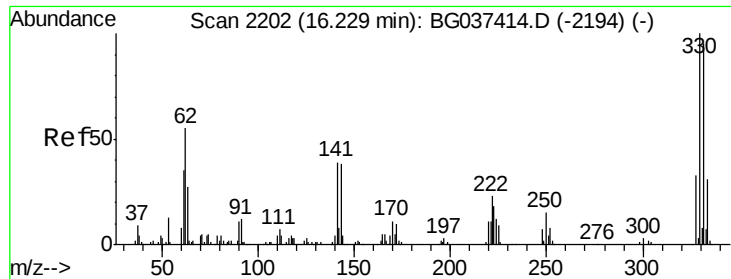
Tot Ion	82	Resp	418452
Ion Ratio	Lower	Upper	
82	100		
128	43.1	34.6	51.8
54	54.8	45.3	67.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BG037608.D
Acq: 27 Oct 2018 8:52

Tgt Ion	164	Resp	166185
Ion Ratio	Lower	Upper	
164	100		
162	102.8	81.3	121.9
160	46.4	36.3	54.5

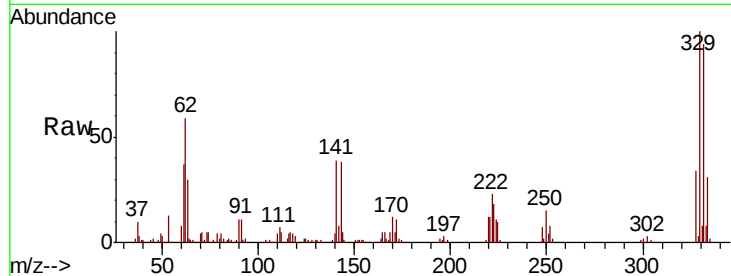




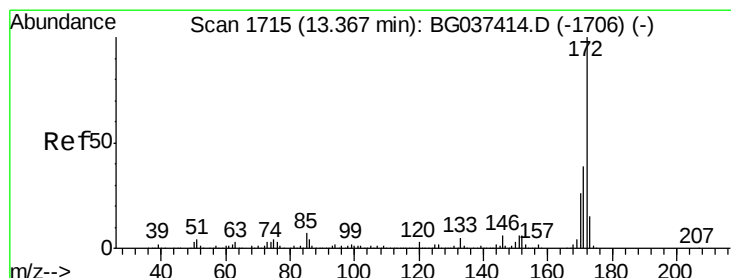
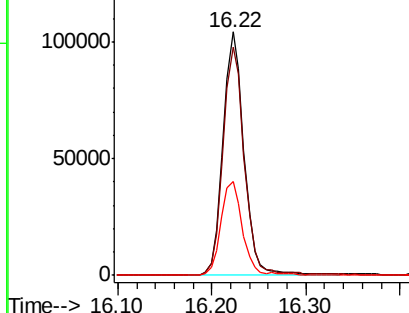
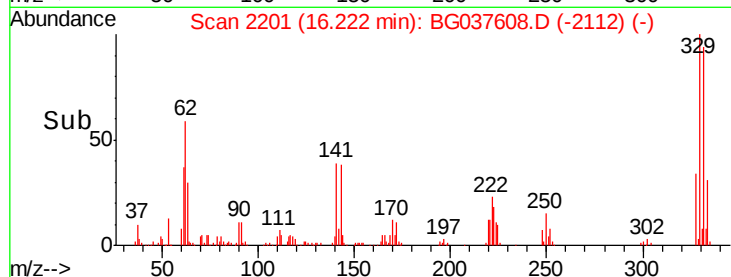
#42
 2,4,6-Tribromophenol
 Concen: 89.753 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG037608.D
 Acq: 27 Oct 2018 8:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	78.4	117.6
141	39.6	32.2	48.2

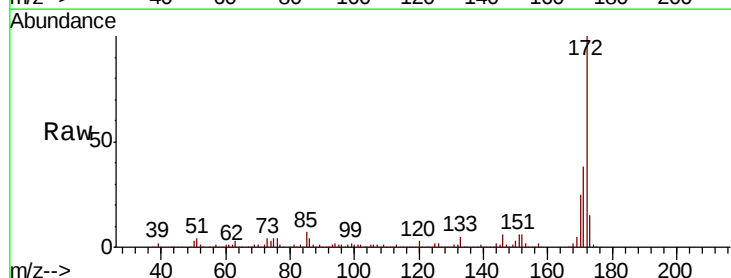


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

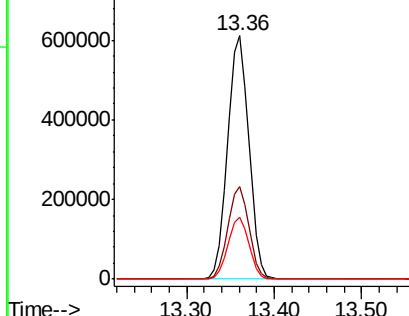
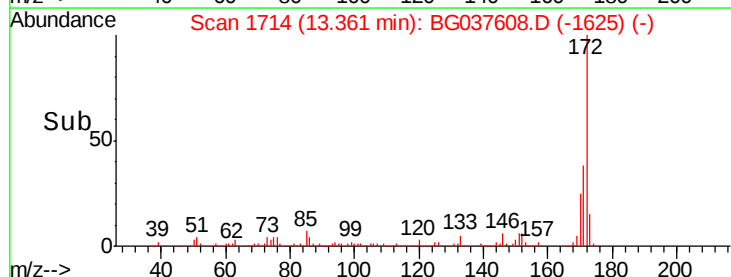


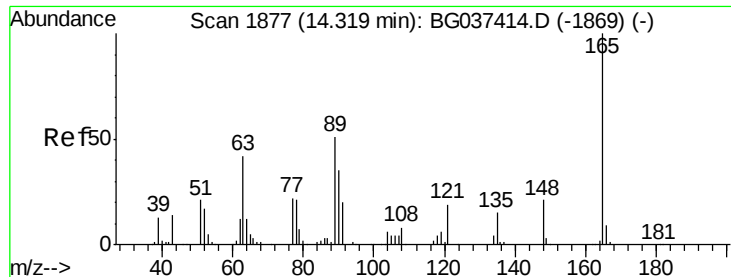
#45
 2-Fluorobiphenyl
 Concen: 91.465 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037608.D
 Acq: 27 Oct 2018 8:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	31.0	46.4
170	25.4	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

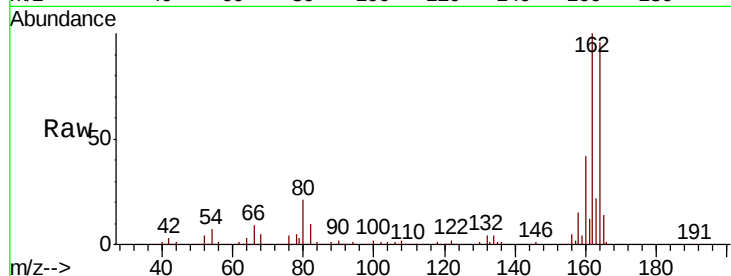




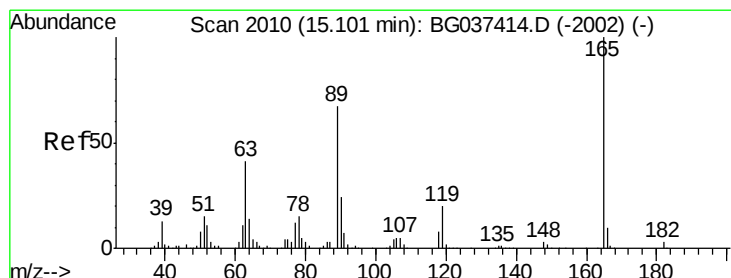
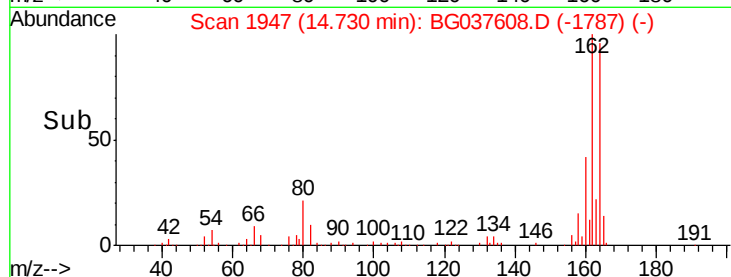
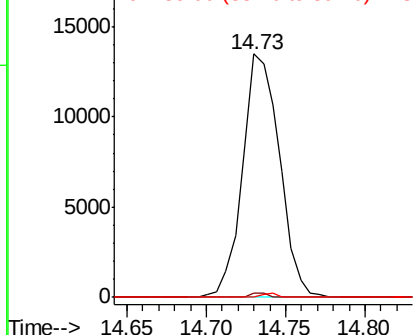
#51
 2,6-Dinitrotoluene
 Concen: 7.668 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. 0.41 min
 Lab File: BG037608.D
 Acq: 27 Oct 2018 8:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	43.4	65.2#
89	0.0	45.8	68.6#

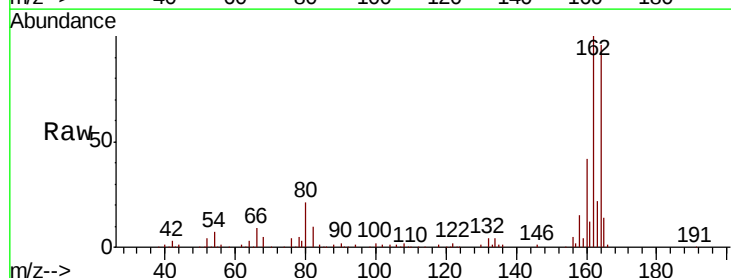


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

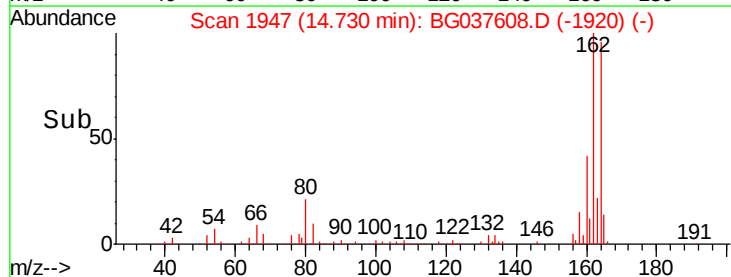
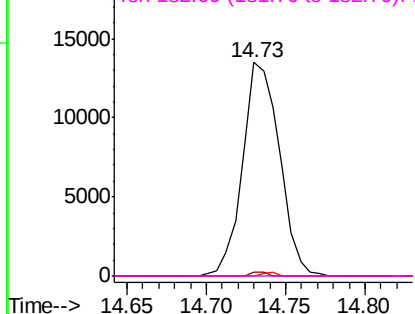


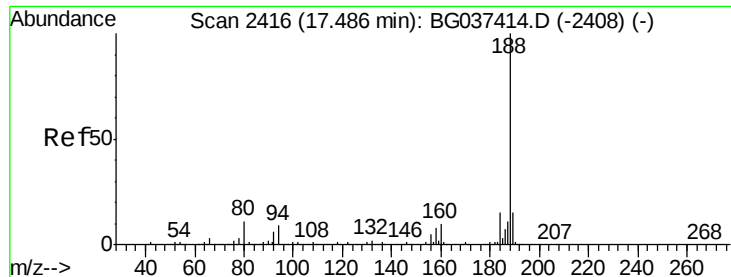
#57
 2,4-Dinitrotoluene
 Concen: 5.841 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. -0.37 min
 Lab File: BG037608.D
 Acq: 27 Oct 2018 8:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	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: 17.49 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037608.D

Acq: 27 Oct 2018 8:52

Instrument :

BNA_G

ClientSampleId :

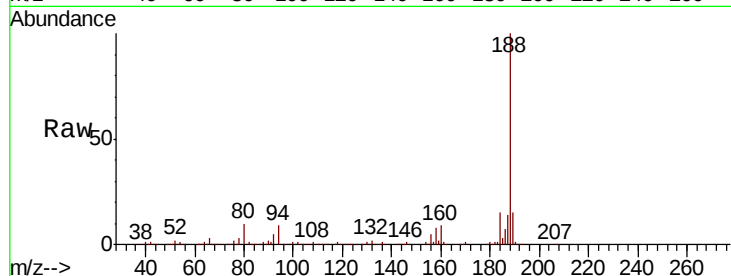
Tot Ion:188 Resp: 403249

Ion Ratio Lower Upper

188 100

94 9.4 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): BG0

Ion 80.00 (79.70 to 80.70): BG0

300000

200000

100000

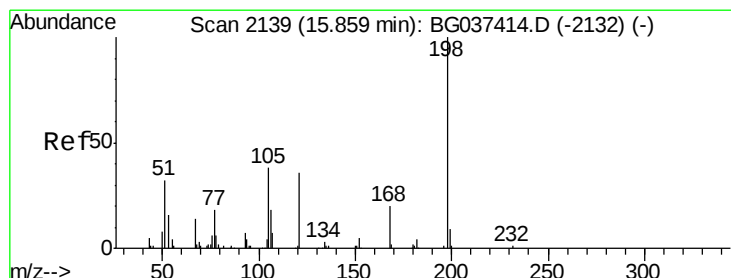
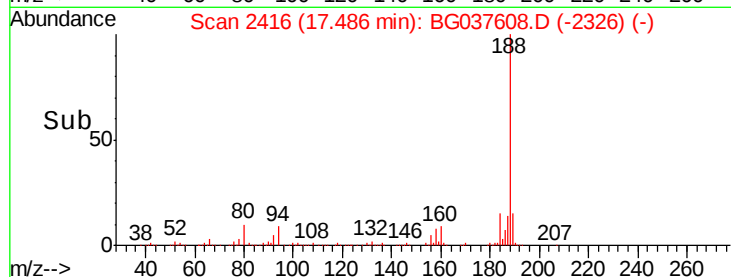
0

17.49

17.40

17.50

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 8.598 ng

RT: 16.22 min Scan# 2200

Delta R.T. 0.36 min

Lab File: BG037608.D

Acq: 27 Oct 2018 8:52

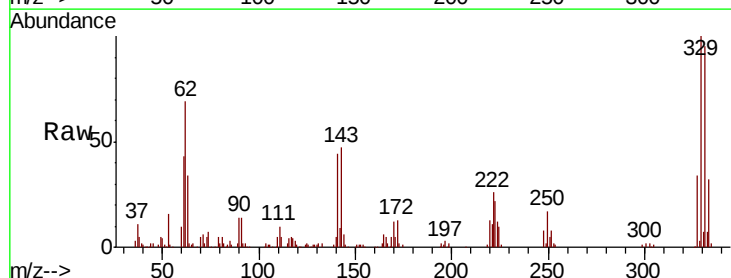
Tgt Ion:198 Resp: 233

Ion Ratio Lower Upper

198 100

51 37.9 22.7 62.7

105 41.1 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

800

600

400

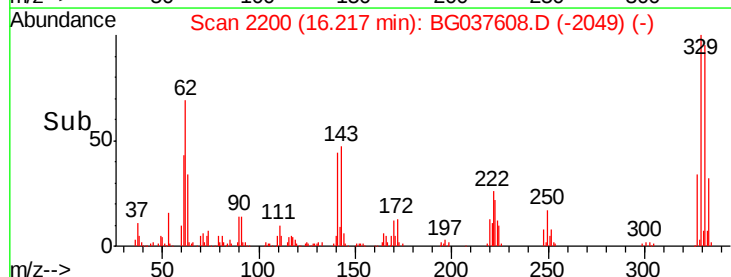
200

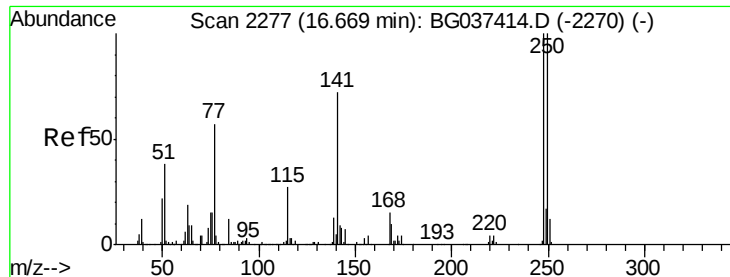
0

16.22

16.20

Time-->

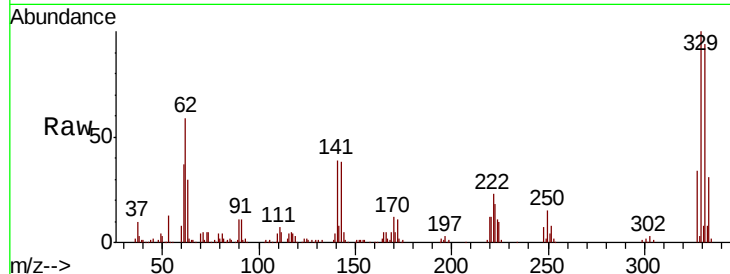




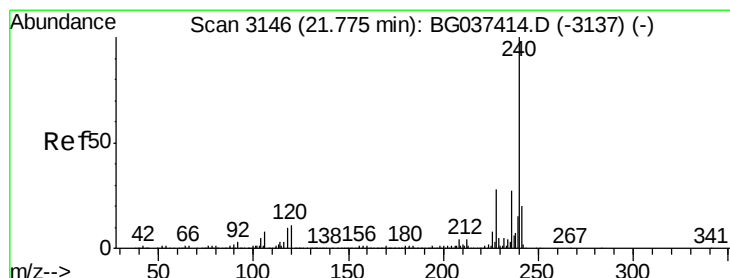
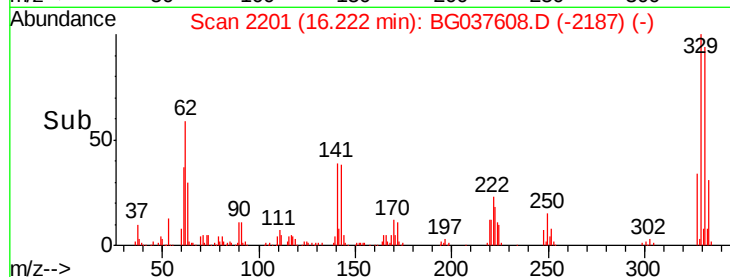
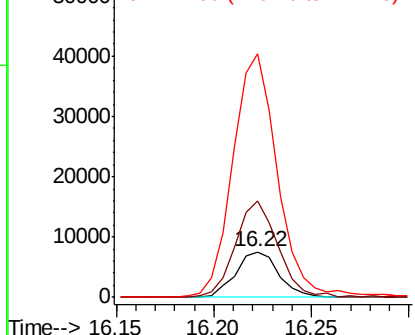
#67
4-Bromophenyl-phenylether
Concen: 2.609 ng
RT: 16.22 min Scan# 2201
Delta R.T. -0.45 min
Lab File: BG037608.D
Acq: 27 Oct 2018 8:52

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 11553
Ion Ratio Lower Upper
248 100
250 200.6 77.0 115.6#
141 406.0 55.5 83.3#

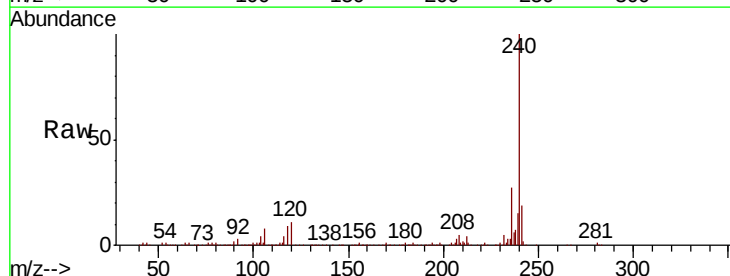


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

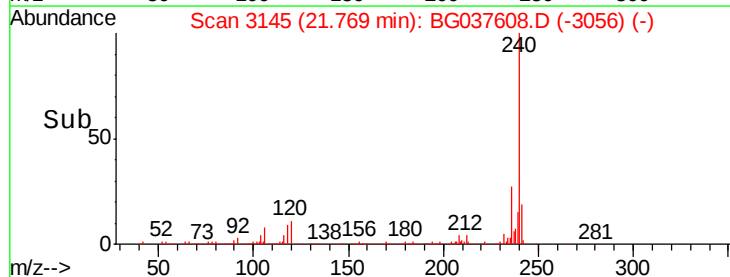
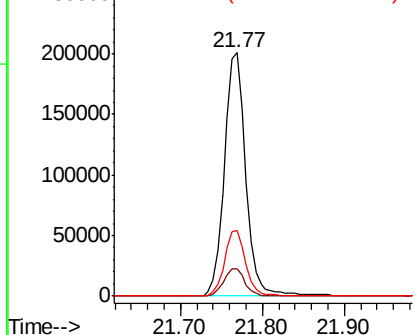


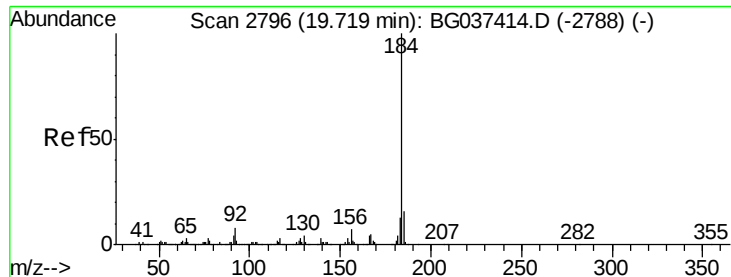
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG037608.D
Acq: 27 Oct 2018 8:52

Tgt Ion:240 Resp: 365257
Ion Ratio Lower Upper
240 100
120 11.4 8.1 12.1
236 27.0 21.4 32.0



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.058 ng

RT: 20.08 min Scan# 2858

Delta R.T. 0.36 min

Lab File: BG037608.D

Acq: 27 Oct 2018 8:52

Instrument :

BNA_G

ClientSampleId :

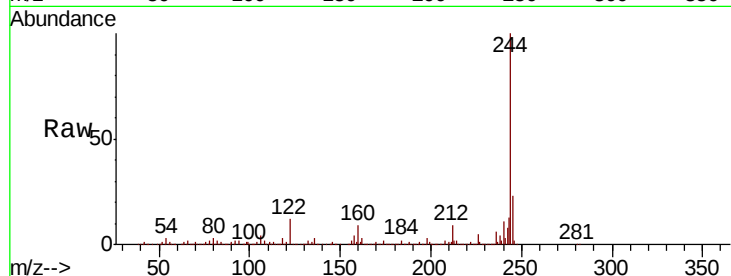
Tot Ion:184 Resp: 25558

Ion Ratio Lower Upper

184 100

185 20.3 12.6 18.8#

183 8.4 10.2 15.2#

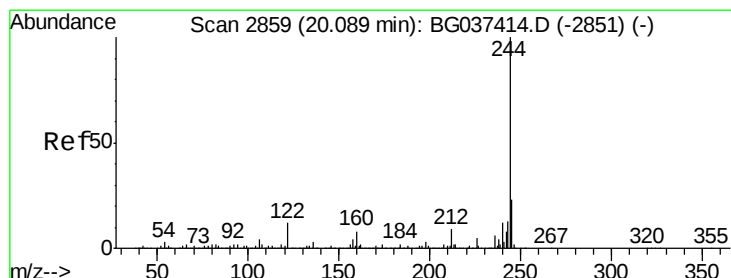
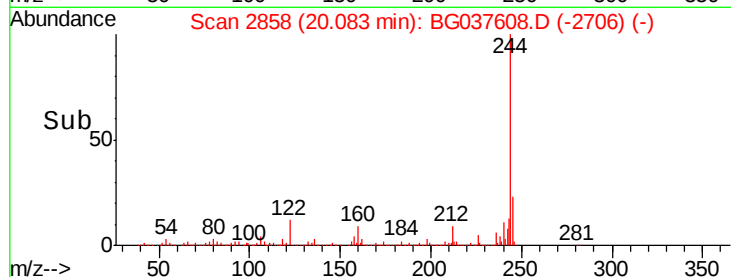
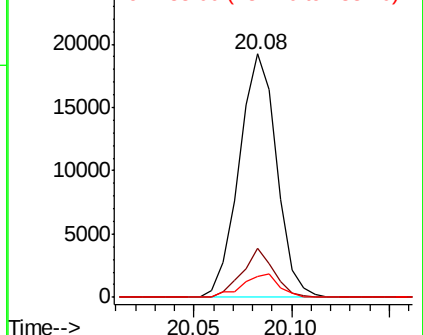


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 88.011 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037608.D

Acq: 27 Oct 2018 8:52

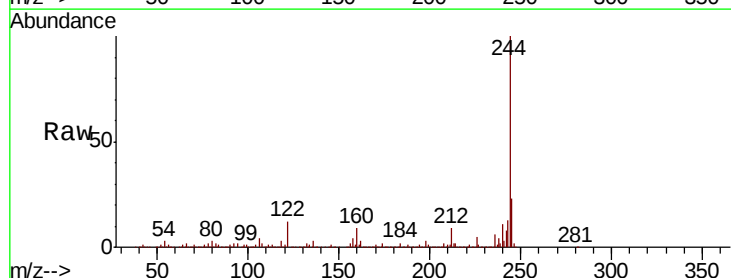
Tgt Ion:244 Resp: 1504452

Ion Ratio Lower Upper

244 100

212 8.6 6.5 9.7

122 12.1 9.0 13.4

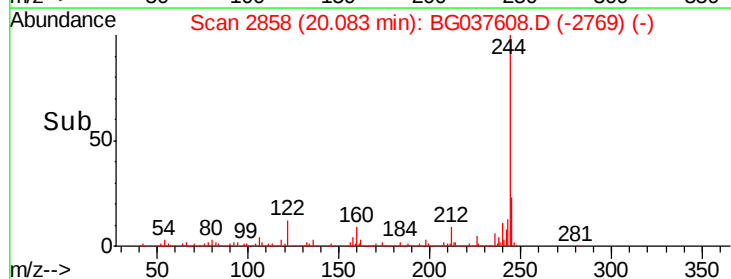
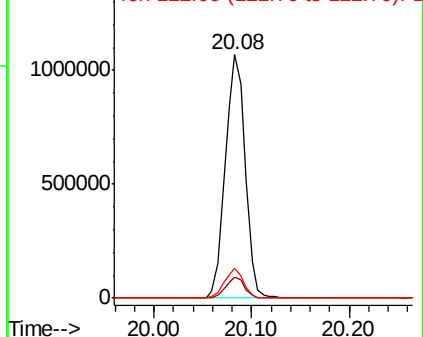


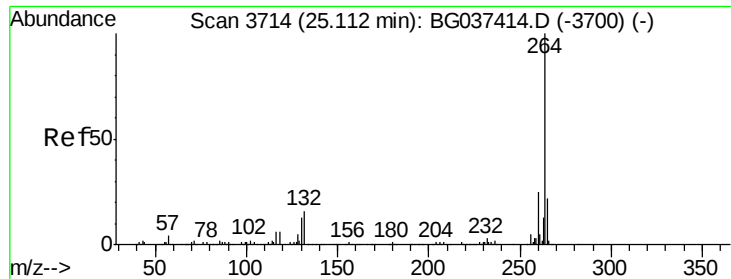
Abundance

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
Pervlene-d12
Concen: 20.000 ng
RT: 25.10 min Scan# 3712
Delta R.T. -0.01 min
Lab File: BG037608.D
Acq: 27 Oct 2018 8:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.2	27.4
265	22.0	17.9	26.9

