

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102618\
 Data File : BG037610.D
 Acq On : 27 Oct 2018 10:10
 Operator : JU/SJ
 Sample : J5662-16
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 102318-TIPC-F-U-S

Quant Time: Oct 29 04:11:19 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

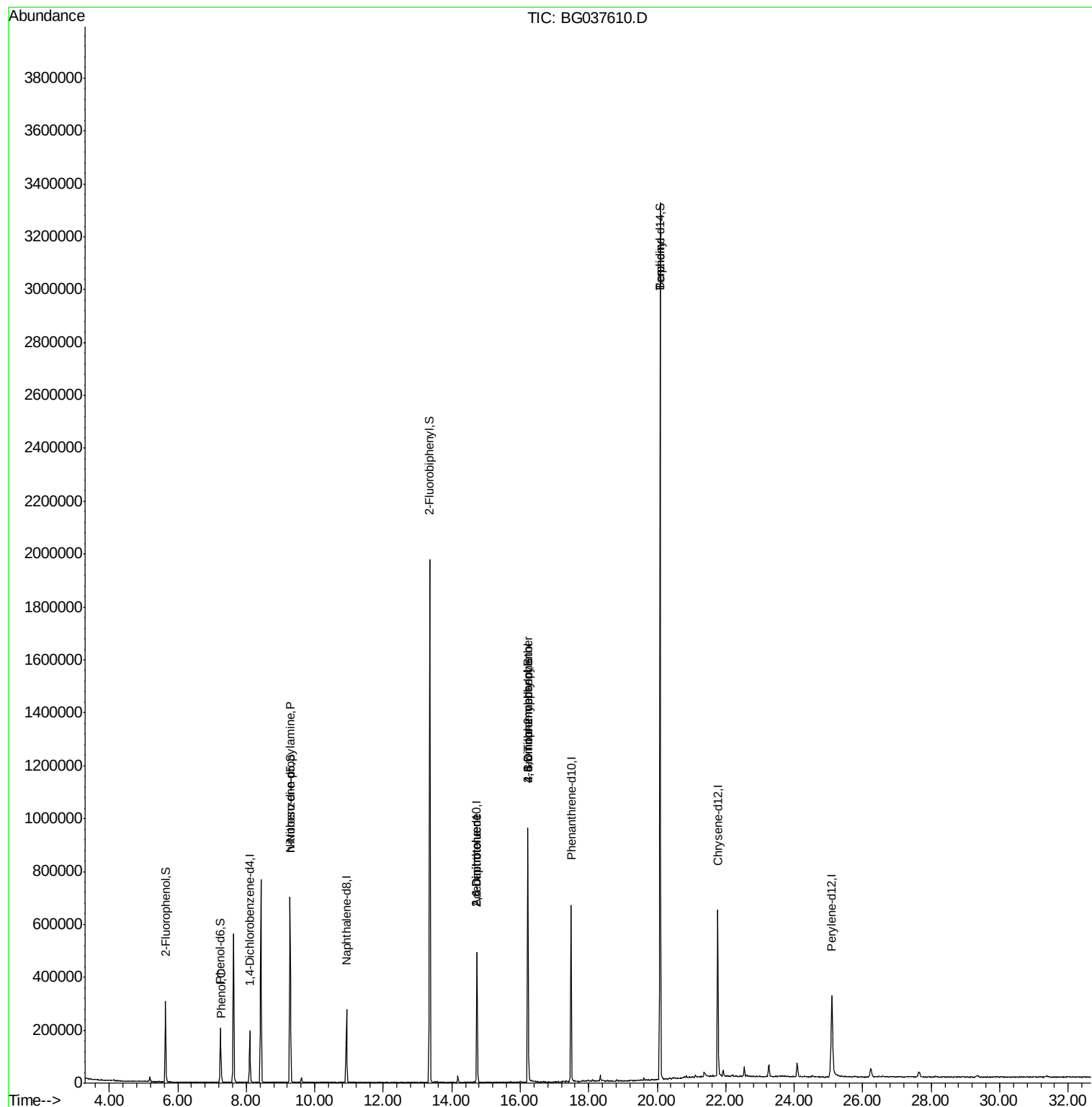
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	58909	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	254630	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	176660	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	431854	20.00	ng	0.00
76) Chrysene-d12	21.77	240	392728	20.00	ng	0.00
87) Perylene-d12	25.10	264	380023	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	145122	41.19	ng	0.00
7) Phenol-d6	7.24	99	129233	24.26	ng	0.00
23) Nitrobenzene-d5	9.28	82	443516	97.57	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	174410	90.52	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1063061	90.74	ng	0.00
79) Terphenyl-d14	20.09	244	1636573	89.04	ng	0.00
Target Compounds						
10) Phenol	7.27	94	28126	5.003	ng	93
19) n-Nitroso-di-n-propylamine	9.28	70	56718	15.459	ng	# 68
51) 2,6-Dinitrotoluene	14.73	165	23193	7.671	ng	# 24
57) 2,4-Dinitrotoluene	14.73	165	23193	5.844	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.22	198	505	8.691	ng	86
67) 4-Bromophenyl-phenylether	16.23	248	12408	2.616	ng	# 1
77) Benzidine	20.08	184	28304	2.120	ng	96

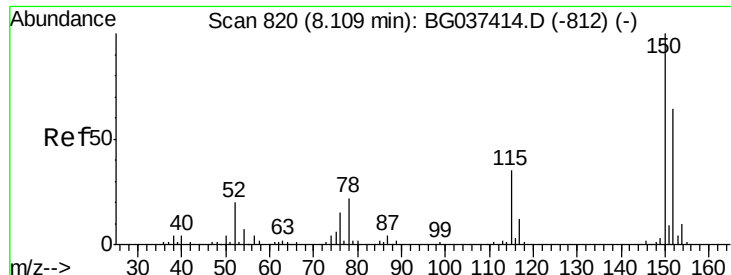
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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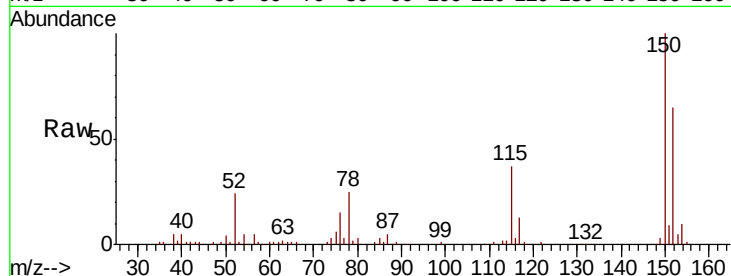


#1

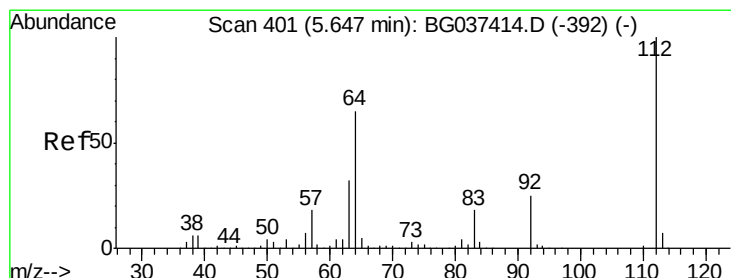
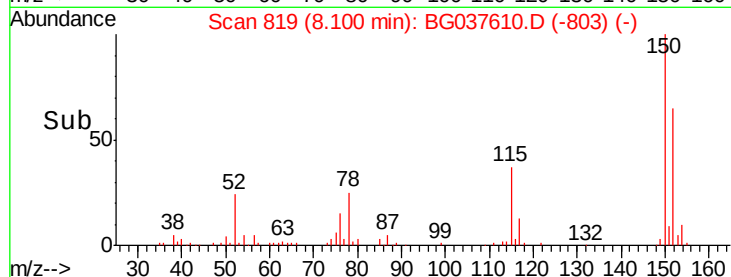
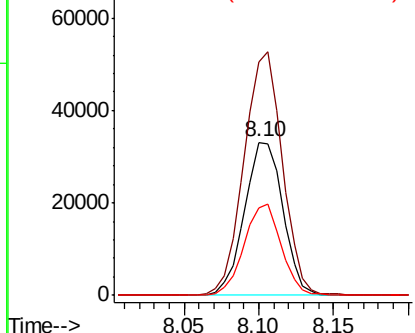
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037610.D
Acq: 27 Oct 2018 10:10

Instrument :
BNA_G
ClientSampleId :
102318-TIPC-F-U-S

Tot Ion:152 Resp: 58909
Ion Ratio Lower Upper
152 100
150 152.9 126.0 189.0
115 56.9 45.5 68.3



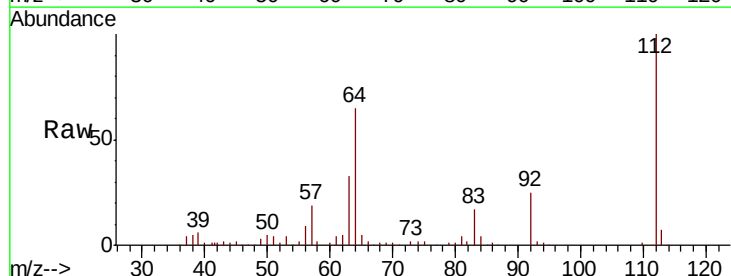
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



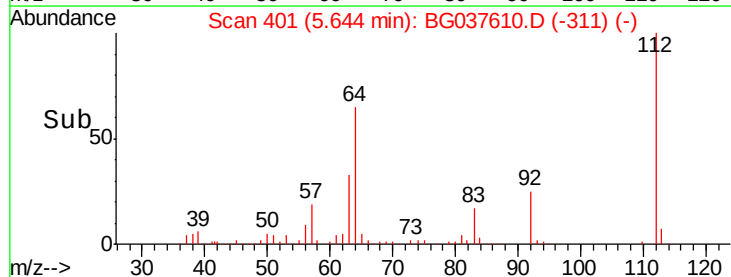
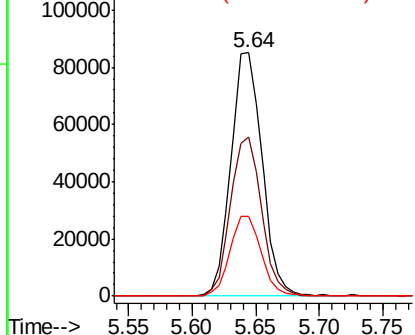
#5

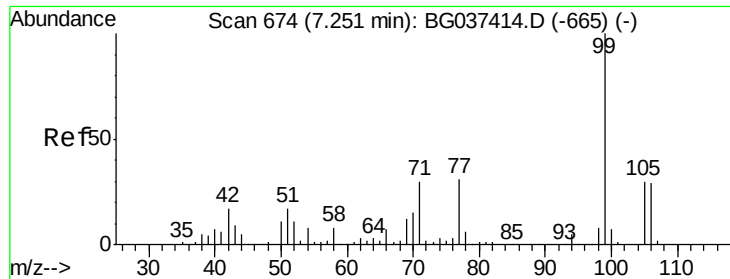
2-Fluorophenol
Concen: 41.186 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037610.D
Acq: 27 Oct 2018 10:10

Tgt Ion:112 Resp: 145122
Ion Ratio Lower Upper
112 100
64 65.4 53.1 79.7
63 32.8 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: 24.255 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037610.D

Acq: 27 Oct 2018 10:10

Instrument :

BNA_G

ClientSampleId :

102318-TIPC-F-U-S

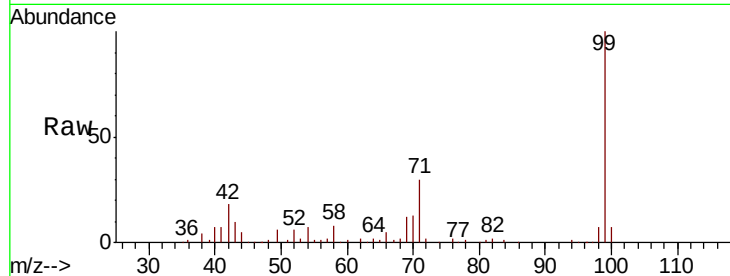
Tot Ion: 99 Resp: 129233

Ion Ratio Lower Upper

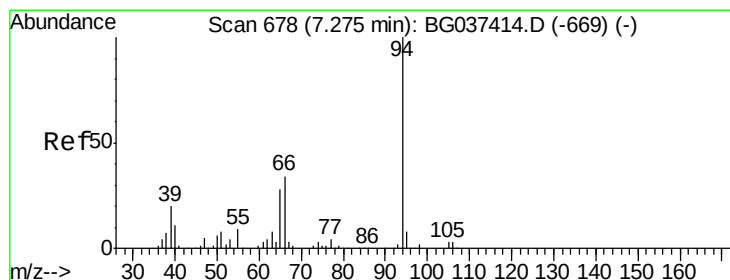
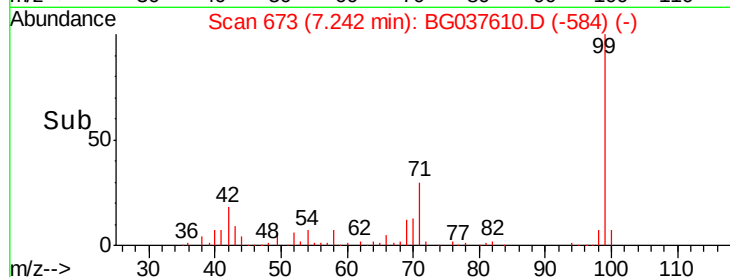
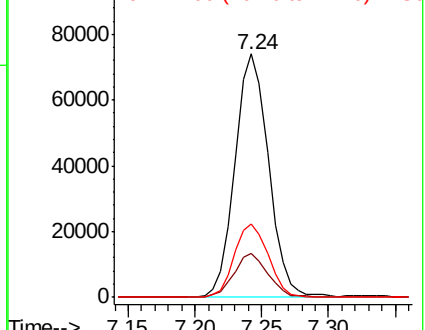
99 100

42 18.0 15.0 22.4

71 30.1 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: 5.003 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037610.D

Acq: 27 Oct 2018 10:10

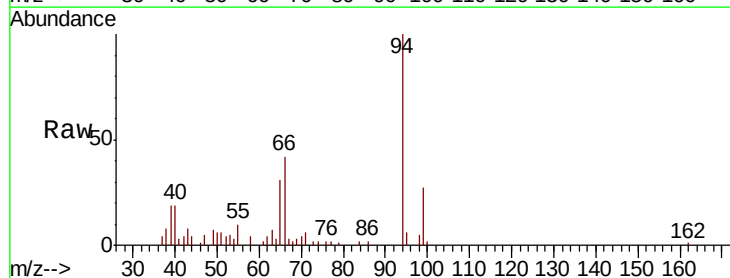
Tgt Ion: 94 Resp: 28126

Ion Ratio Lower Upper

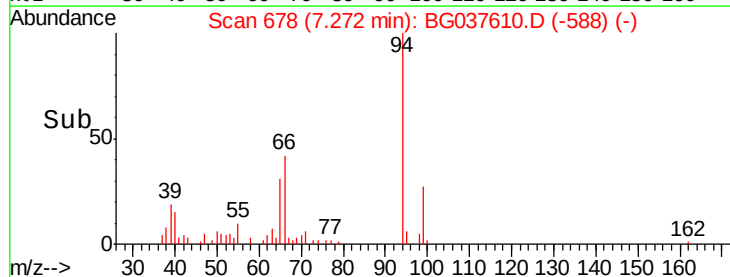
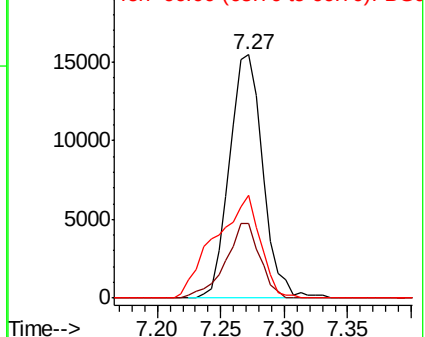
94 100

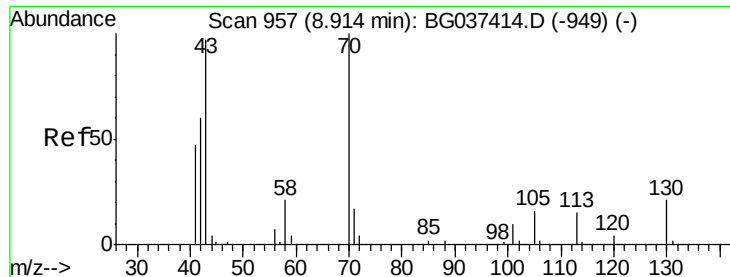
65 30.8 9.7 49.7

66 42.0 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

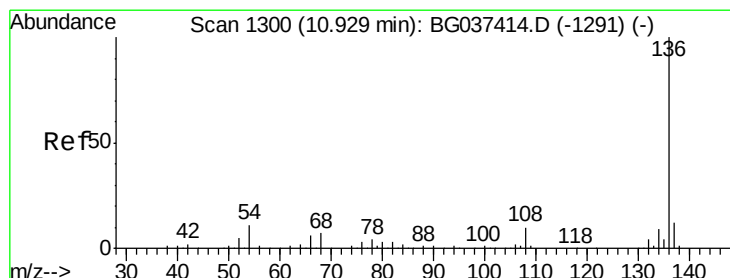
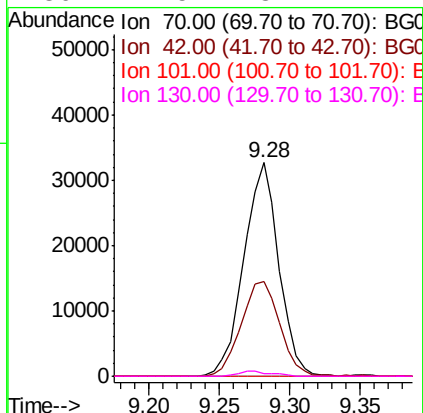
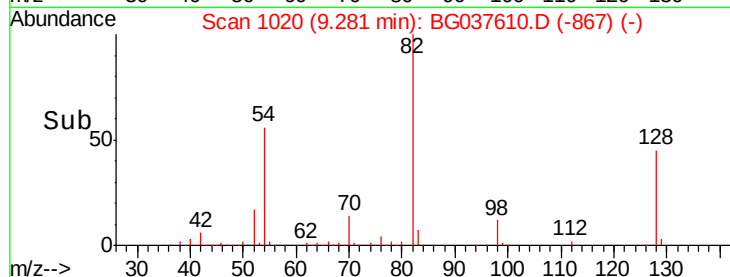
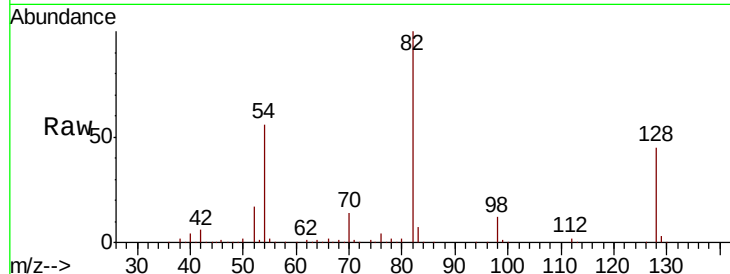




#19
n-Nitroso-di-n-propylamine
Concen: 15.459 ng
RT: 9.28 min Scan# 1020
Delta R.T. 0.37 min
Lab File: BG037610.D
Acq: 27 Oct 2018 10:10

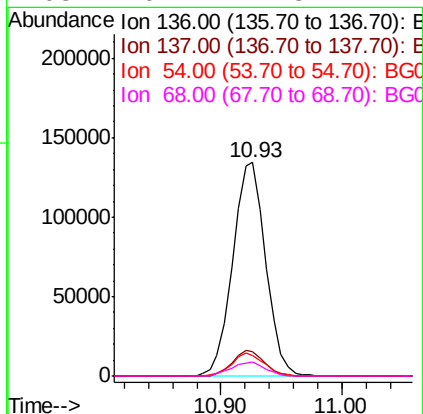
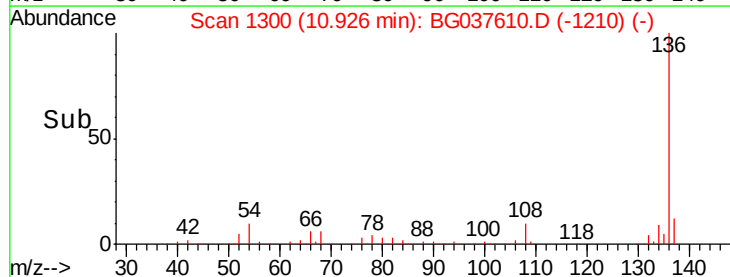
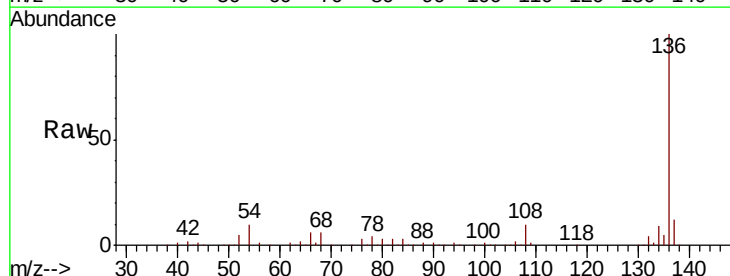
Instrument :
BNA_G
ClientSampleId :
102318-TIPC-F-U-S

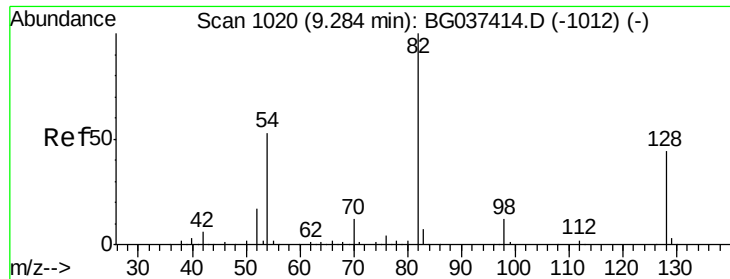
Tot Ion: 70 Resp: 56718
Ion Ratio Lower Upper
70 100
42 44.5 53.9 80.9#
101 0.0 8.2 12.2#
130 1.5 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037610.D
Acq: 27 Oct 2018 10:10

Tgt Ion: 136 Resp: 254630
Ion Ratio Lower Upper
136 100
137 11.7 9.6 14.4
54 9.9 7.9 11.9
68 6.4 4.8 7.2

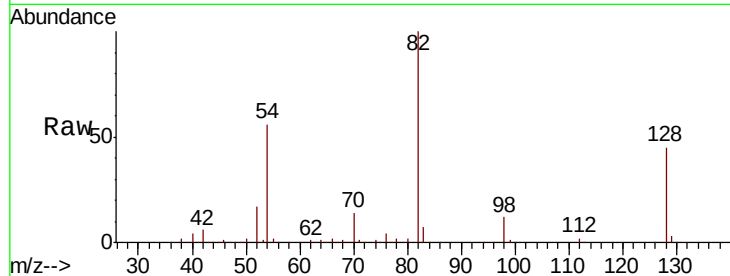




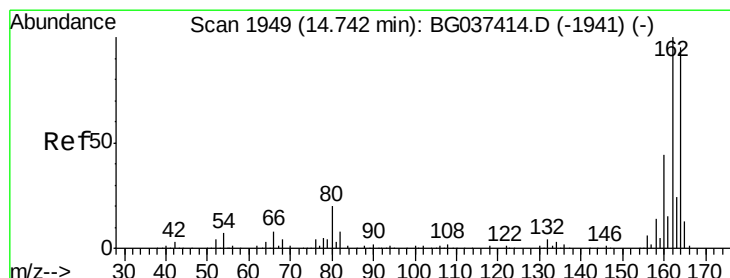
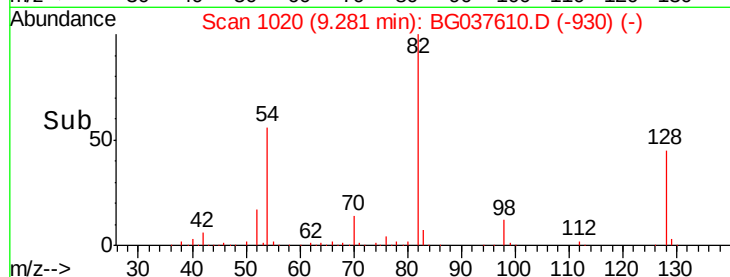
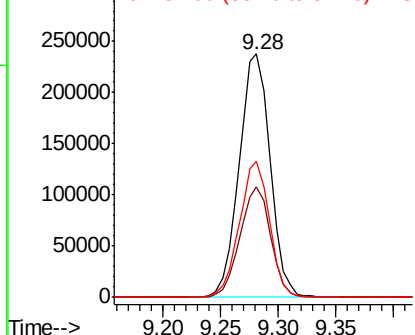
#23
 Nitrobenzene-d5
 Concen: 97.574 ng
 RT: 9.28 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG037610.D
 Acq: 27 Oct 2018 10:10

Instrument :
 BNA_G
 ClientSampleId :
 102318-TIPC-F-U-S

Tot Ion	82	Resp	443516
Ion Ratio	Lower	Upper	
82	100		
128	45.5	34.6	51.8
54	56.1	45.3	67.9

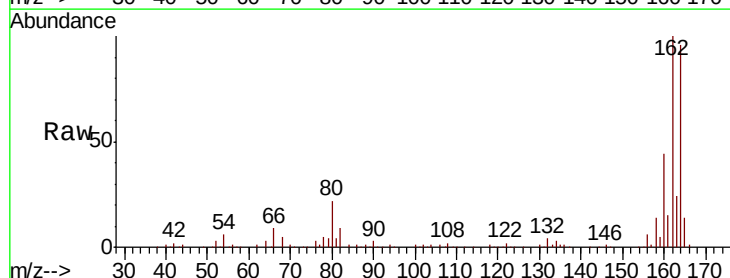


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

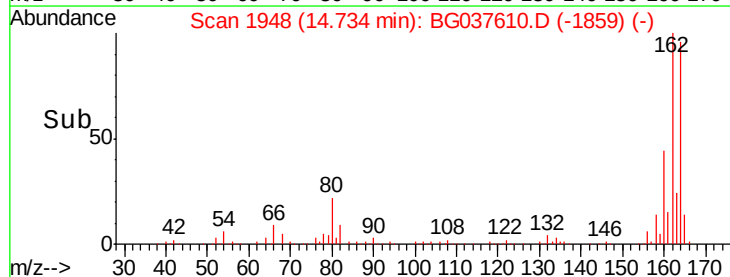
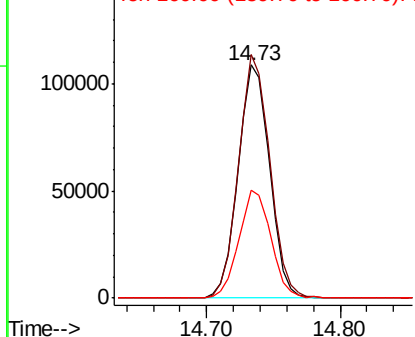


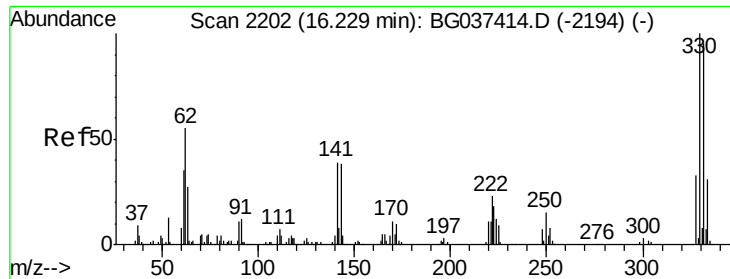
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BG037610.D
 Acq: 27 Oct 2018 10:10

Tgt Ion	164	Resp	176660
Ion Ratio	Lower	Upper	
164	100		
162	104.4	81.3	121.9
160	46.0	36.3	54.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

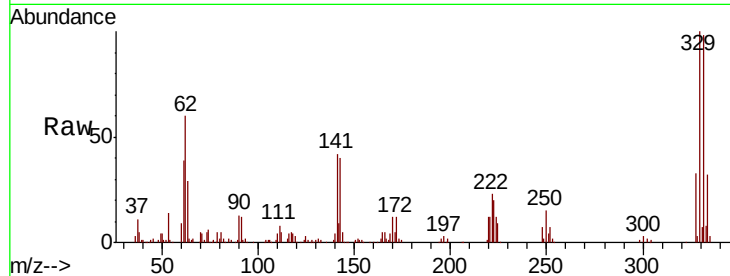




#42
 2,4,6-Tribromophenol
 Concen: 90.517 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG037610.D
 Acq: 27 Oct 2018 10:10

Instrument :
 BNA_G
 ClientSampleId :
 102318-TIPC-F-U-S

Tot Ion	330	Ratio	Lower	Upper
330	100			
332	97.1	78.4	117.6	
141	40.9	32.2	48.2	

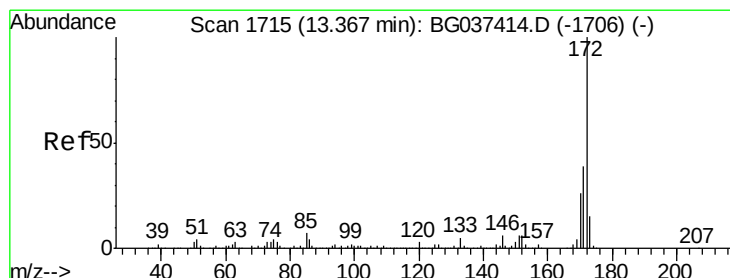
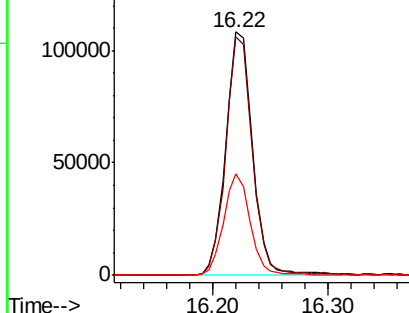
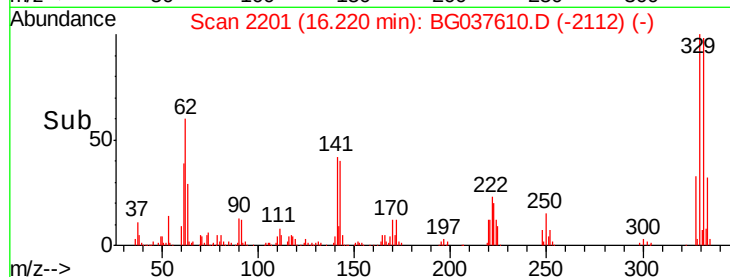


Abundance

Ion 329.80 (329.50 to 330.50): E

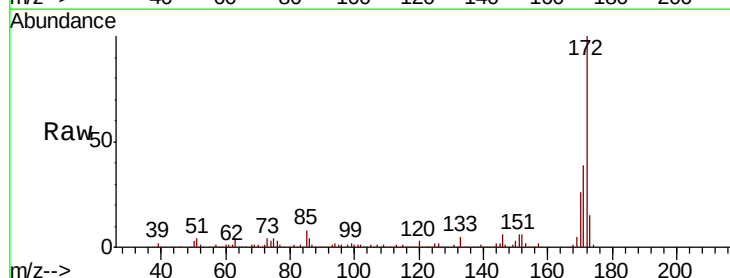
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 90.741 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037610.D
 Acq: 27 Oct 2018 10:10

Tgt Ion	172	Ratio	Lower	Upper
172	100			
171	39.4	31.0	46.4	
170	25.5	20.2	30.2	

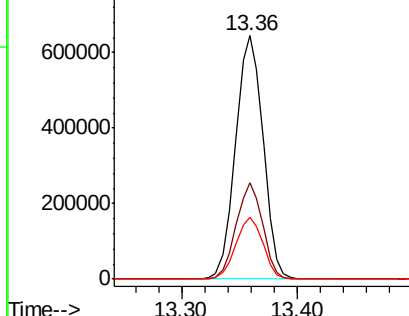
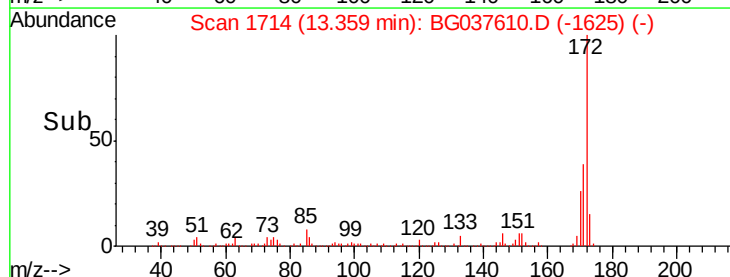


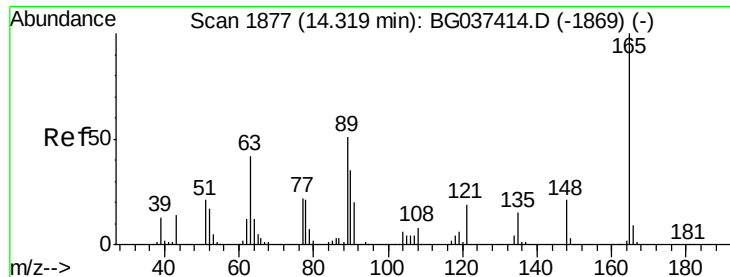
Abundance

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

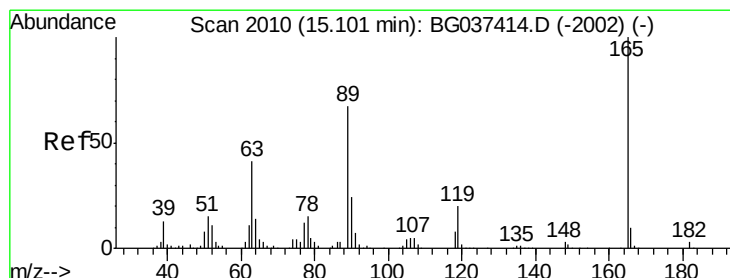
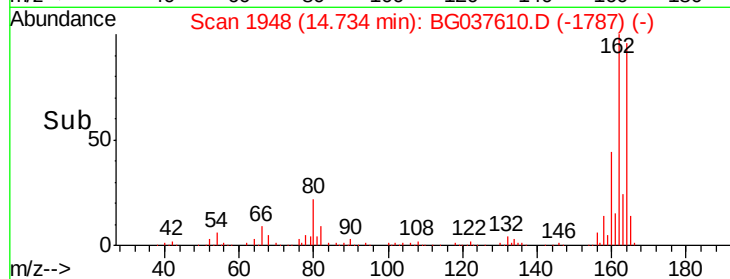
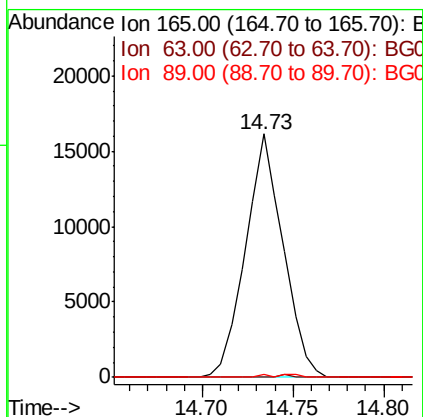
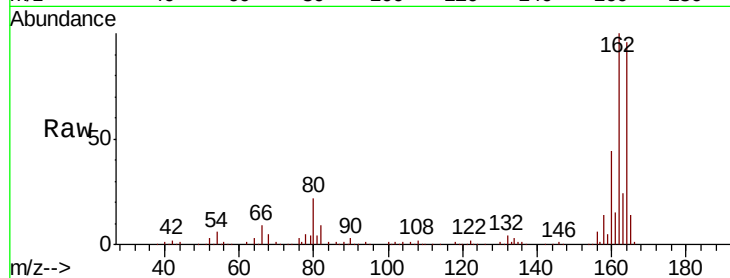




#51
 2,6-Dinitrotoluene
 Concen: 7.671 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. 0.41 min
 Lab File: BG037610.D
 Acq: 27 Oct 2018 10:10

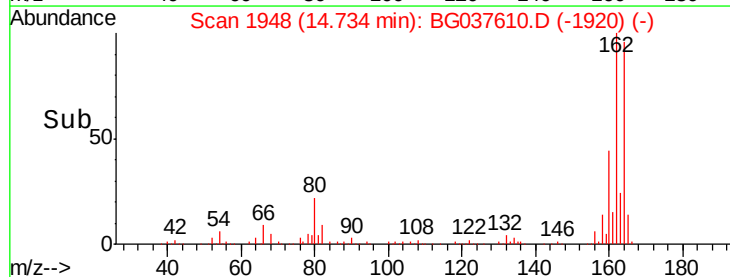
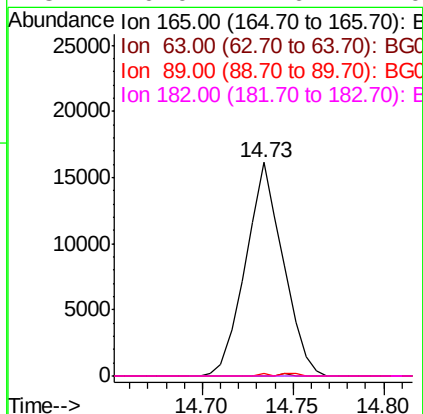
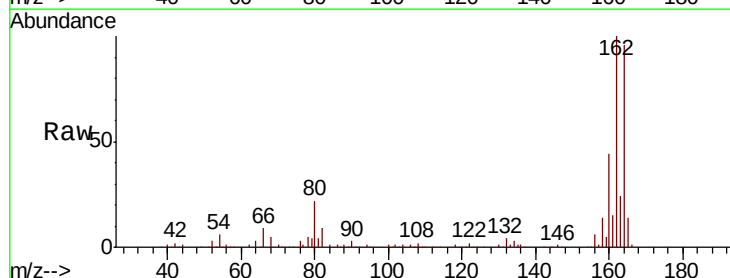
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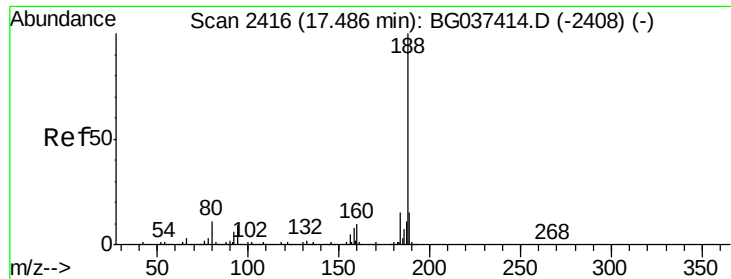
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	1.4	45.8	68.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.844 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037610.D
 Acq: 27 Oct 2018 10:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	1.4	57.2	85.8#
182	0.0	2.6	4.0#

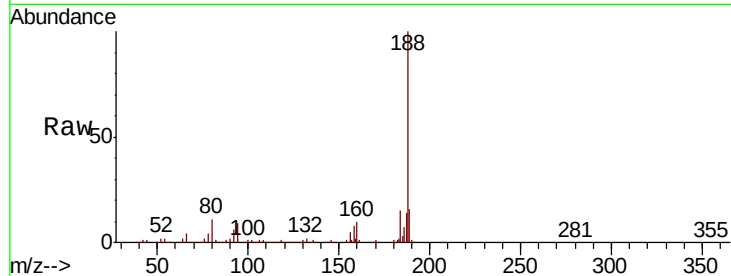




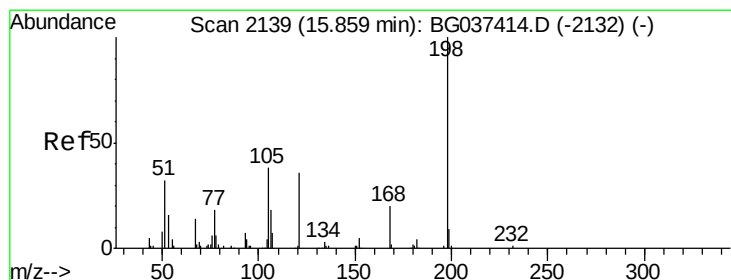
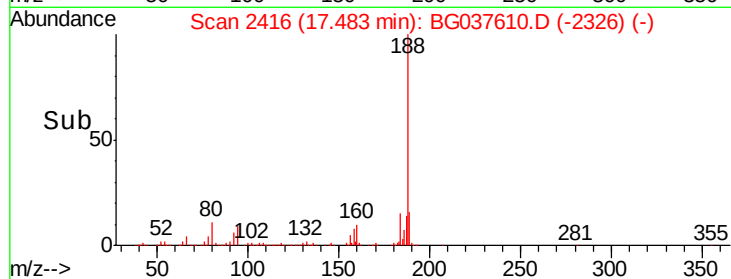
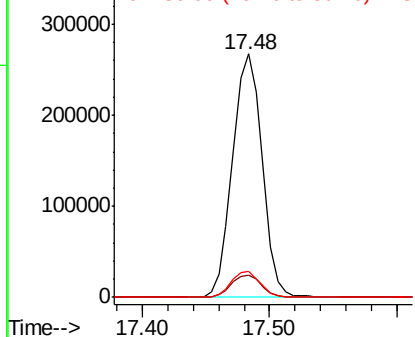
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG037610.D
Acq: 27 Oct 2018 10:10

Instrument :
BNA_G
ClientSampleId :
102318-TIPC-F-U-S

Tot Ion:188 Resp: 431854
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 10.6 7.7 11.5

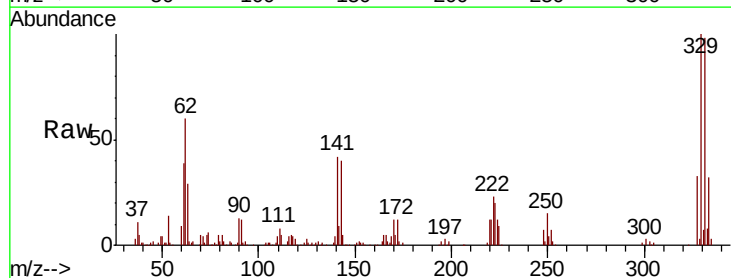


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

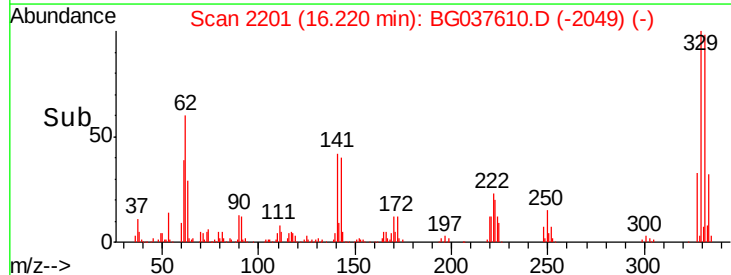
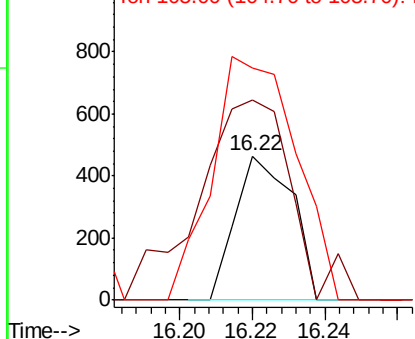


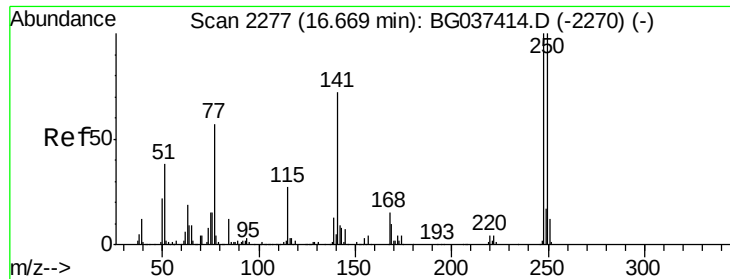
#65
4,6-Dinitro-2-methylphenol
Concen: 8.691 ng
RT: 16.22 min Scan# 2201
Delta R.T. 0.36 min
Lab File: BG037610.D
Acq: 27 Oct 2018 10:10

Tgt Ion:198 Resp: 505
Ion Ratio Lower Upper
198 100
51 29.9 22.7 62.7
105 34.5 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

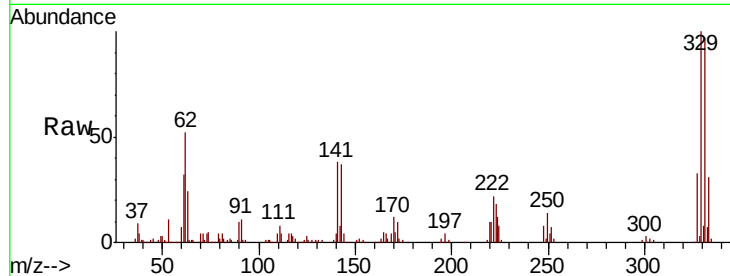




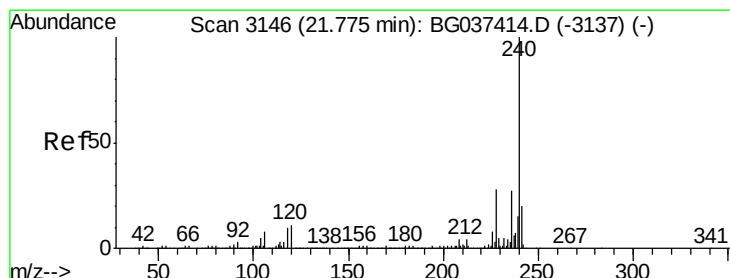
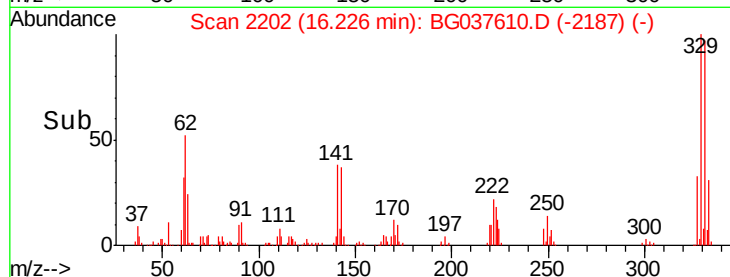
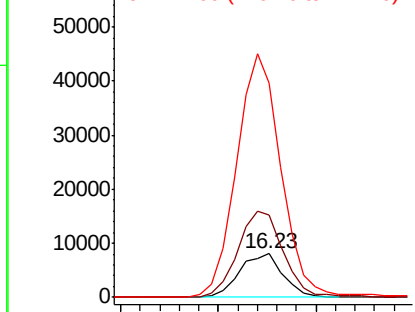
#67
 4-Bromophenyl-phenylether
 Concen: 2.616 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. -0.44 min
 Lab File: BG037610.D
 Acq: 27 Oct 2018 10:10

Instrument :
 BNA_G
 ClientSampleId :
 102318-TIPC-F-U-S

Tot Ion:248 Resp: 12408
 Ion Ratio Lower Upper
 248 100
 250 187.4 77.0 115.6#
 141 378.2 55.5 83.3#

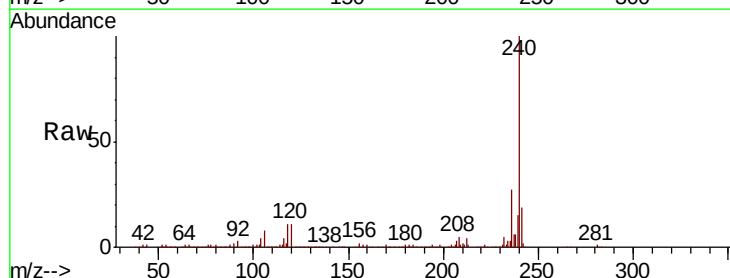


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

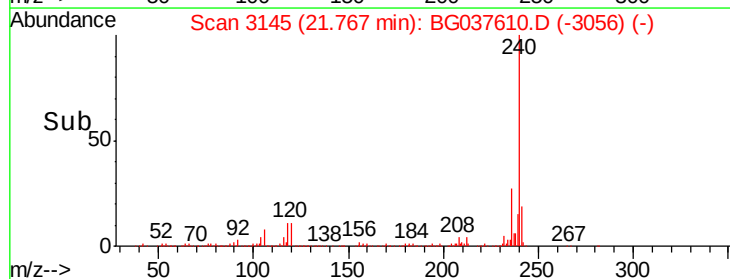
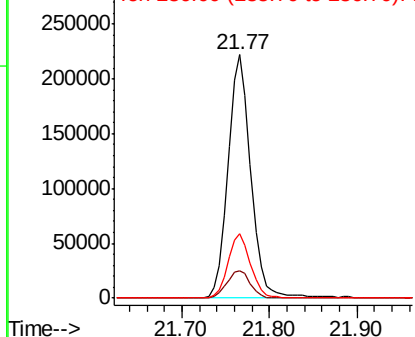


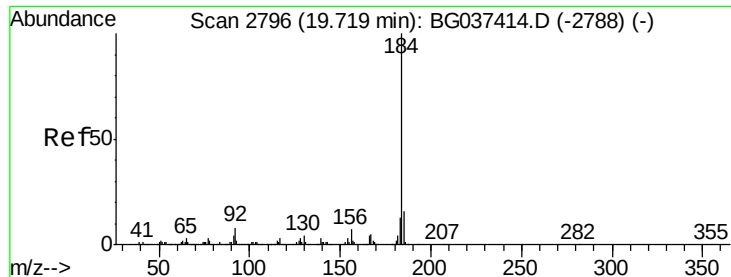
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BG037610.D
 Acq: 27 Oct 2018 10:10

Tgt Ion:240 Resp: 392728
 Ion Ratio Lower Upper
 240 100
 120 11.1 8.1 12.1
 236 26.5 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: 2.120 ng

RT: 20.08 min Scan# 2858

Delta R.T. 0.36 min

Lab File: BG037610.D

Acq: 27 Oct 2018 10:10

Instrument :

BNA_G

ClientSampleId :

102318-TIPC-F-U-S

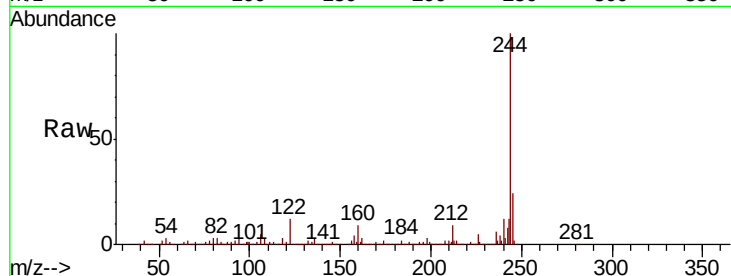
Tot Ion:184 Resp: 28304

Ion Ratio Lower Upper

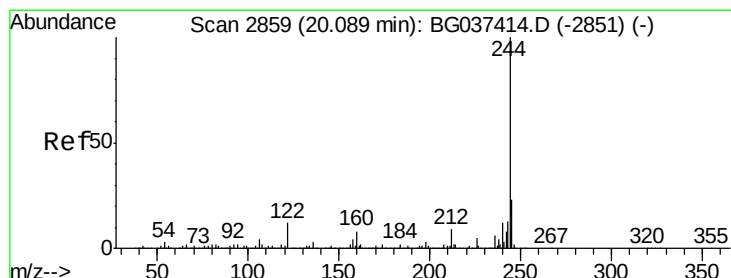
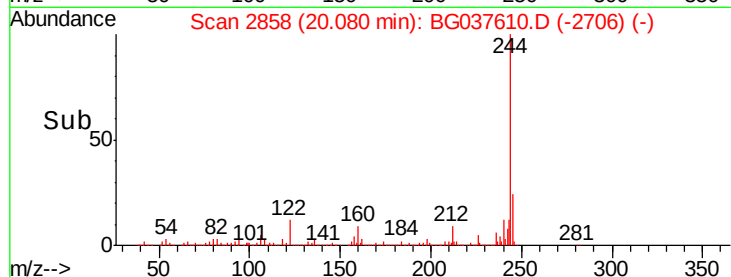
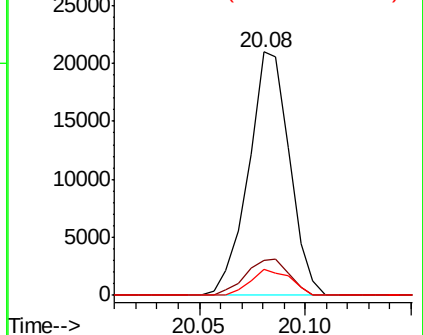
184 100

185 14.4 12.6 18.8

183 10.4 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: 89.043 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG037610.D

Acq: 27 Oct 2018 10:10

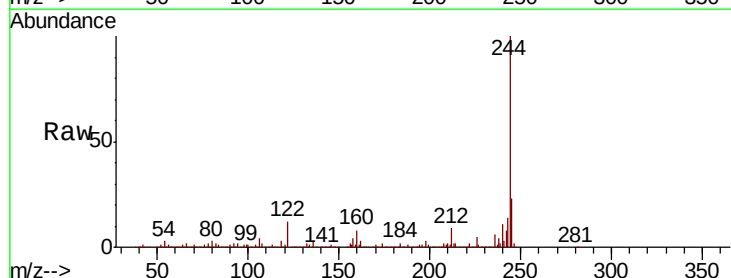
Tgt Ion:244 Resp: 1636573

Ion Ratio Lower Upper

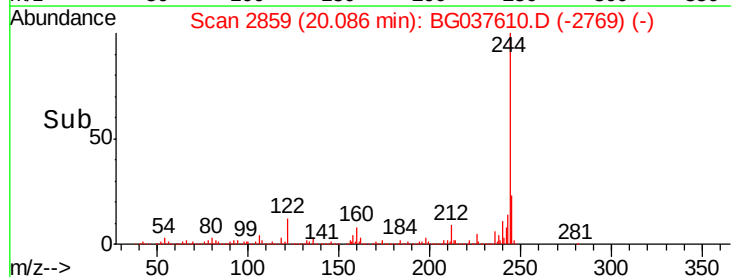
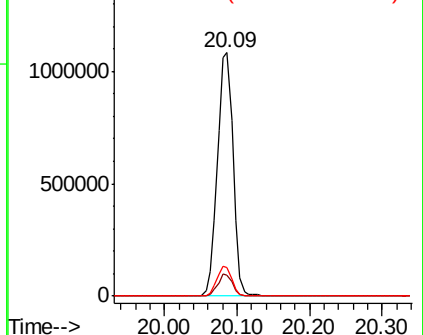
244 100

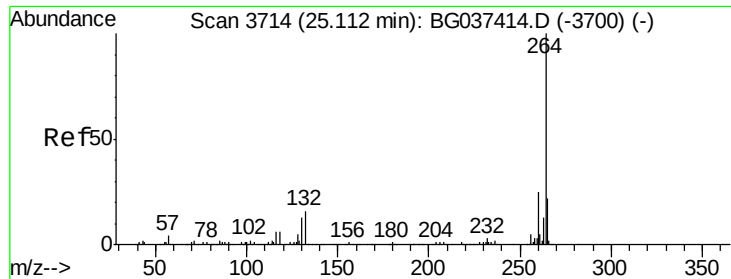
212 8.8 6.5 9.7

122 11.7 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: BG037610.D
 Acq: 27 Oct 2018 10:10

Instrument :
 BNA_G
 ClientSampleId :
 102318-TIPC-F-U-S

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.2	27.4
265	21.6	17.9	26.9

