

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102618\
 Data File : BG037607.D
 Acq On : 27 Oct 2018 8:13
 Operator : JU/SJ
 Sample : J5662-13
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 102318-TIPC-F-D-B

Quant Time: Oct 29 02:14:50 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

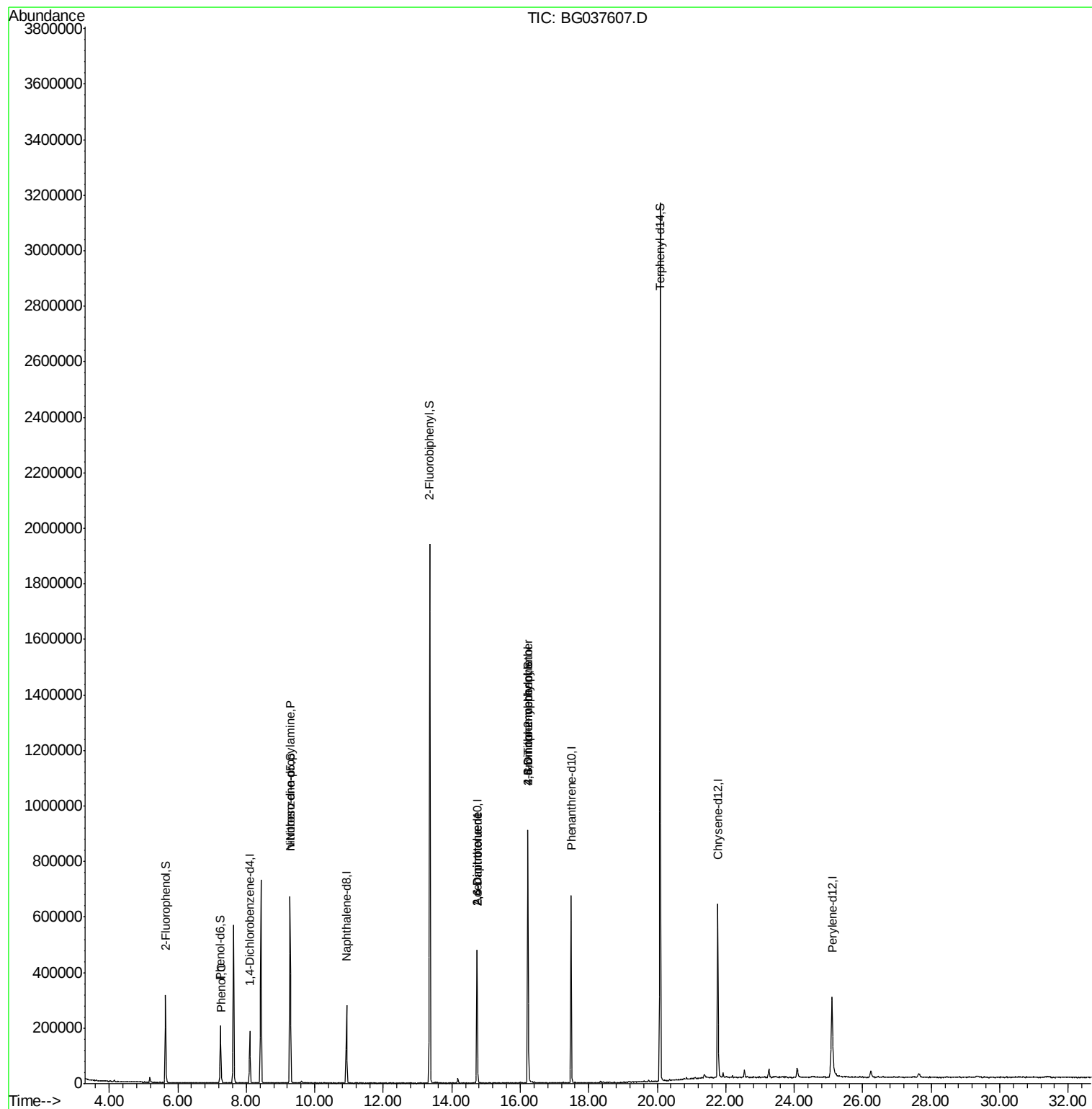
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	59477	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	250284	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	172649	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	422010	20.00	ng	0.00
76) Chrysene-d12	21.77	240	381100	20.00	ng	0.00
87) Perylene-d12	25.10	264	355999	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	147947	41.59	ng	0.00
7) Phenol-d6	7.24	99	135640	25.21	ng	0.00
23) Nitrobenzene-d5	9.28	82	430145	96.28	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	168302	89.38	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1038392	90.69	ng	0.00
79) Terphenyl-d14	20.09	244	1573835	88.24	ng	0.00
Target Compounds						
10) Phenol	7.26	94	16659	2.935	ng	92
19) n-Nitroso-di-n-propylamine	9.28	70	53481	14.437	ng	# 74
51) 2,6-Dinitrotoluene	14.73	165	22268	7.536	ng	# 26
57) 2,4-Dinitrotoluene	14.73	165	22268	5.741	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.22	198	518	8.700	ng	# 77
67) 4-Bromophenyl-phenylether	16.22	248	11735	2.532	ng	# 1

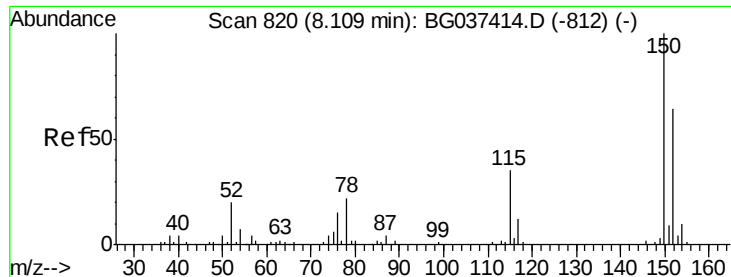
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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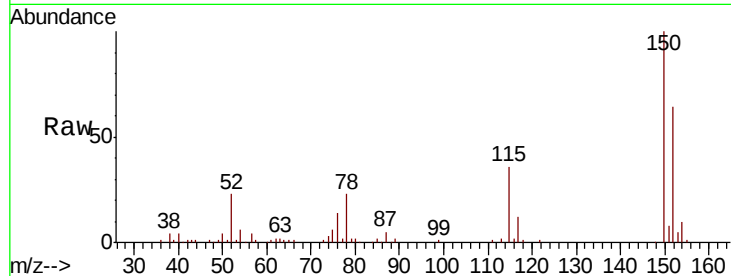


#1

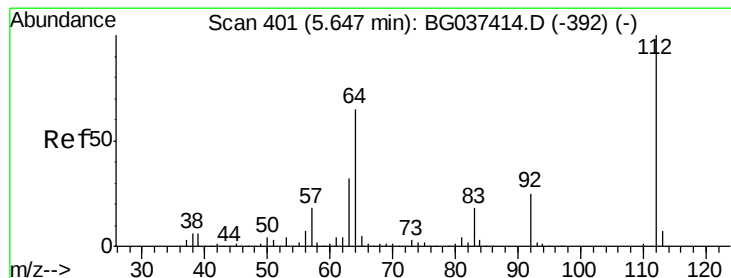
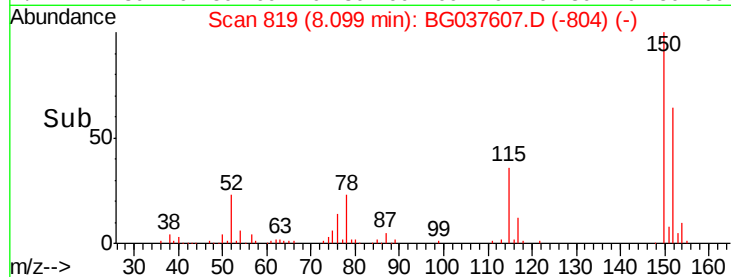
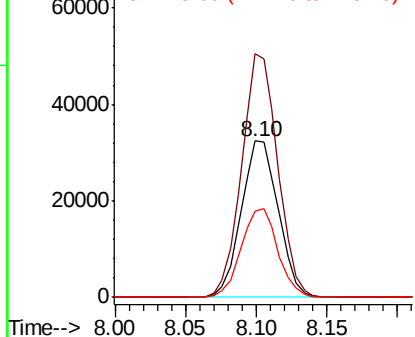
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037607.D
Acq: 27 Oct 2018 8:13

Instrument :
BNA_G
ClientSampleId :
102318-TIPC-F-D-B

Tot Ion:152 Resp: 59477
Ion Ratio Lower Upper
152 100
150 155.6 126.0 189.0
115 55.4 45.5 68.3



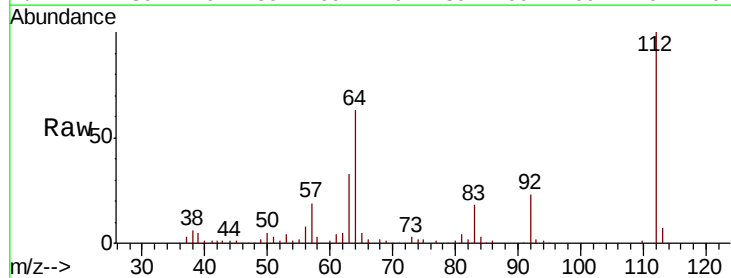
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



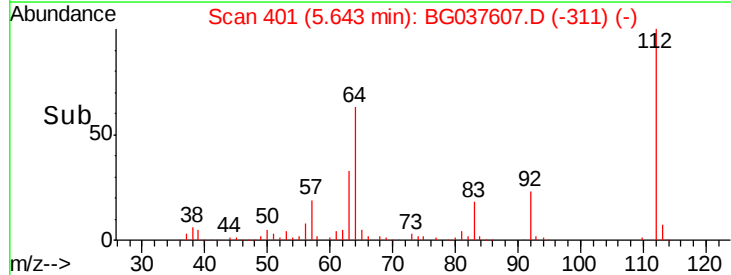
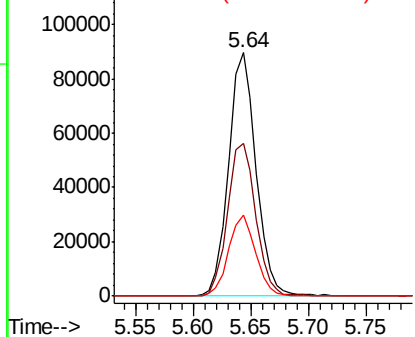
#5

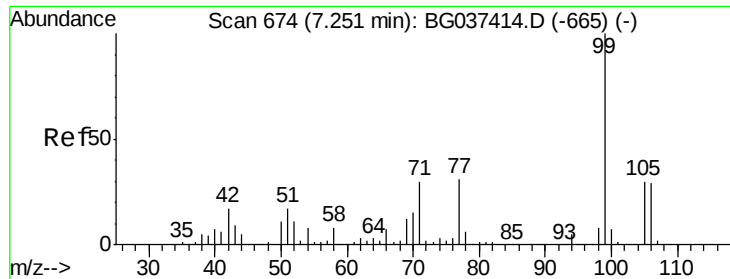
2-Fluorophenol
Concen: 41.587 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037607.D
Acq: 27 Oct 2018 8:13

Tgt Ion:112 Resp: 147947
Ion Ratio Lower Upper
112 100
64 63.0 53.1 79.7
63 33.1 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: 25.214 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037607.D

Acq: 27 Oct 2018 8:13

Instrument :

BNA_G

ClientSampleId :

102318-TIPC-F-D-B

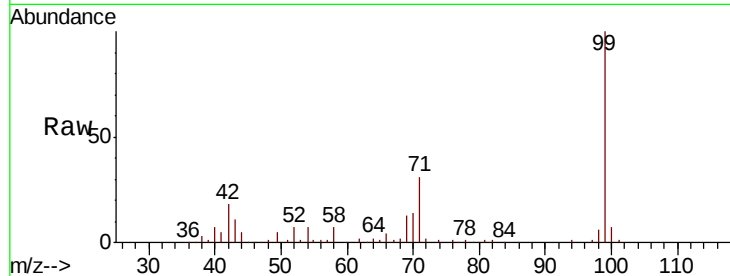
Tot Ion: 99 Resp: 135640

Ion Ratio Lower Upper

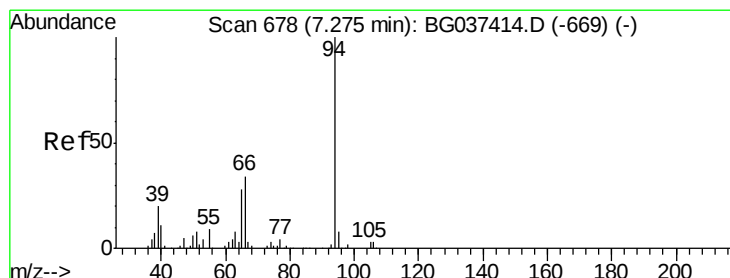
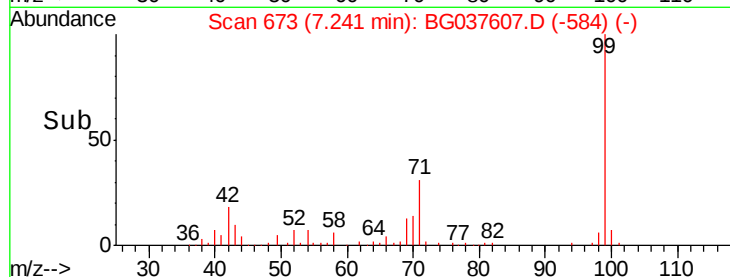
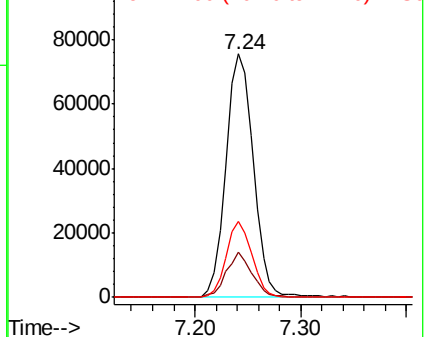
99 100

42 18.3 15.0 22.4

71 31.4 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



#10

Phenol

Concen: 2.935 ng

RT: 7.26 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037607.D

Acq: 27 Oct 2018 8:13

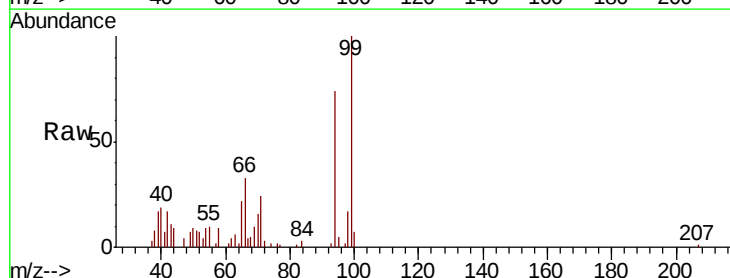
Tgt Ion: 94 Resp: 16659

Ion Ratio Lower Upper

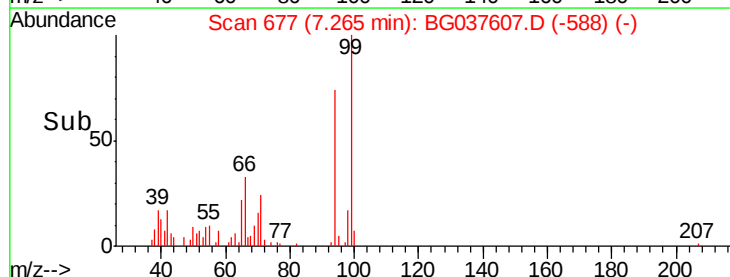
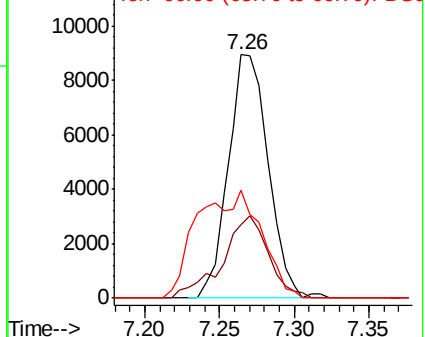
94 100

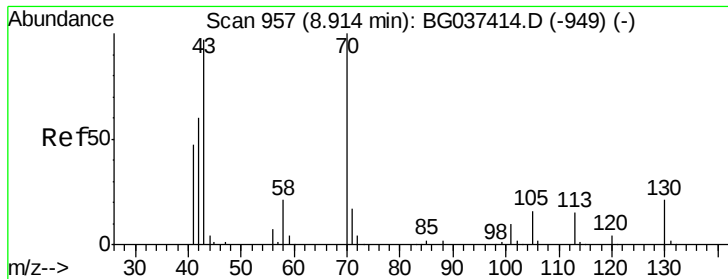
65 30.2 9.7 49.7

66 44.4 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: 14.437 ng

RT: 9.28 min Scan# 1020

Delta R.T. 0.37 min

Lab File: BG037607.D

Acq: 27 Oct 2018 8:13

Instrument :

BNA_G

ClientSampleId :

102318-TIPC-F-D-B

Tot Ion: 70 Resp: 53481

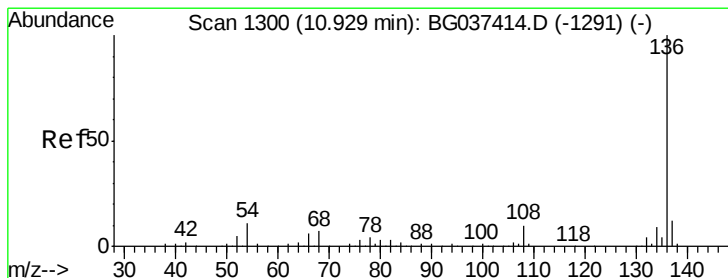
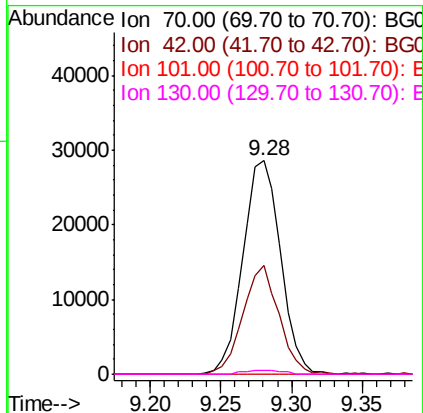
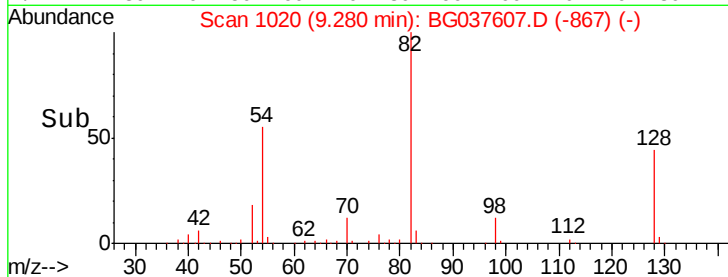
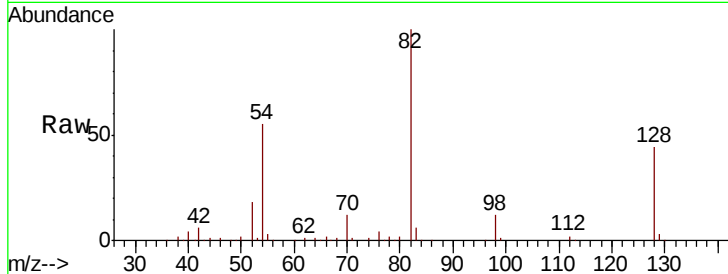
Ion Ratio Lower Upper

70 100

42 51.0 53.9 80.9#

101 0.0 8.2 12.2#

130 1.7 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: BG037607.D

Acq: 27 Oct 2018 8:13

Tgt Ion: 136 Resp: 250284

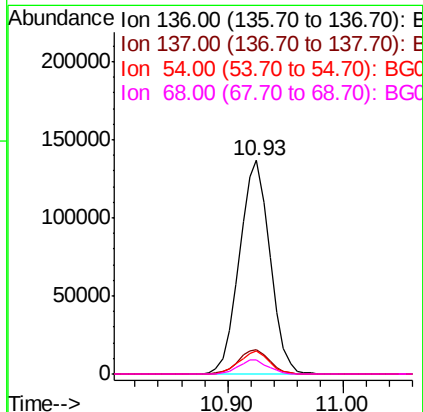
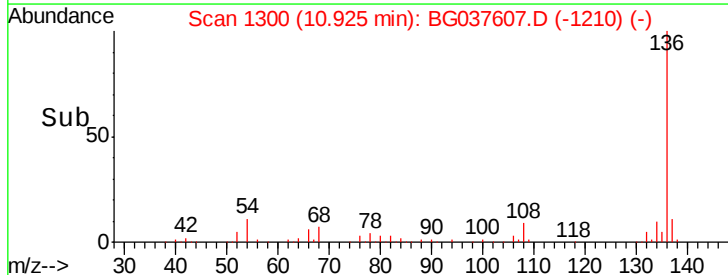
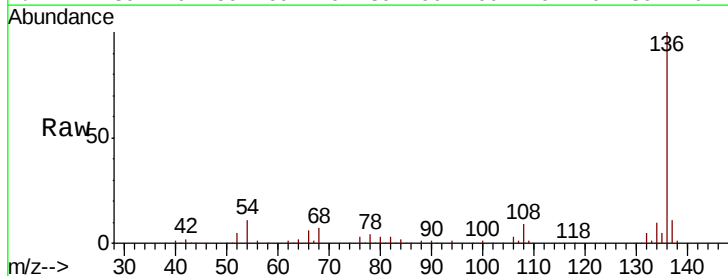
Ion Ratio Lower Upper

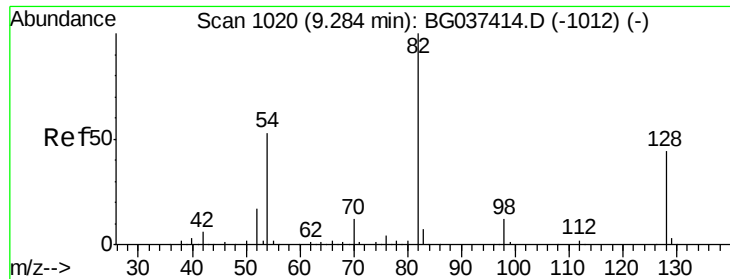
136 100

137 11.3 9.6 14.4

54 10.6 7.9 11.9

68 6.6 4.8 7.2

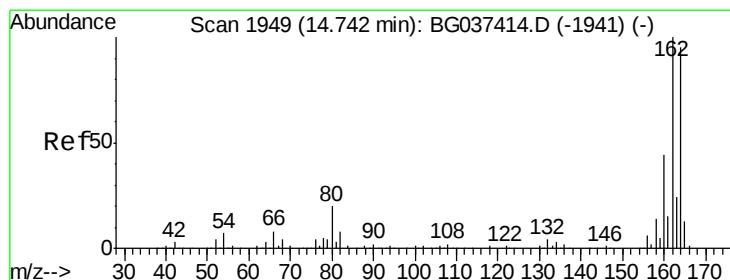
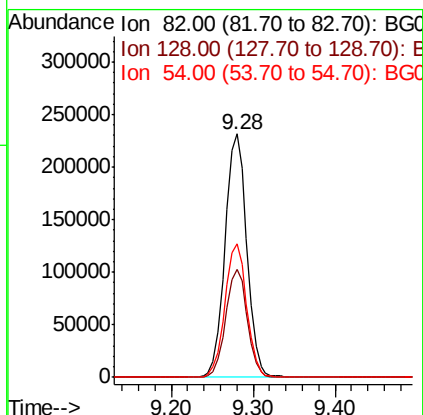
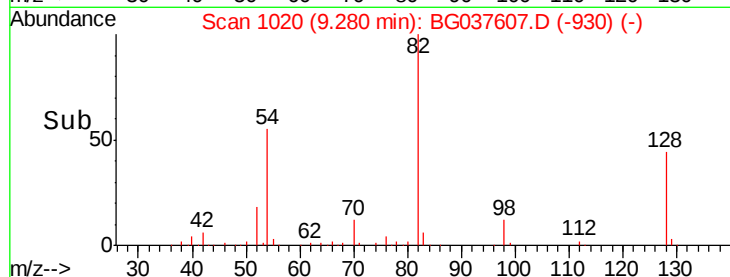
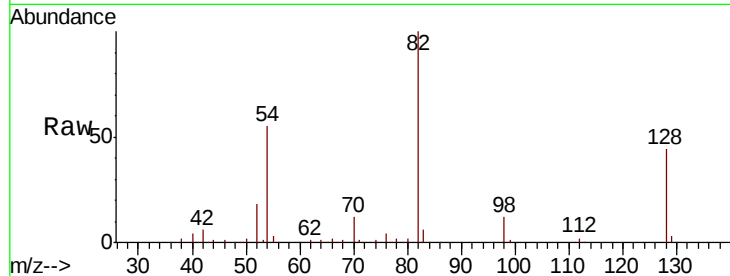




#23
 Nitrobenzene-d5
 Concen: 96.276 ng
 RT: 9.28 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG037607.D
 Acq: 27 Oct 2018 8:13

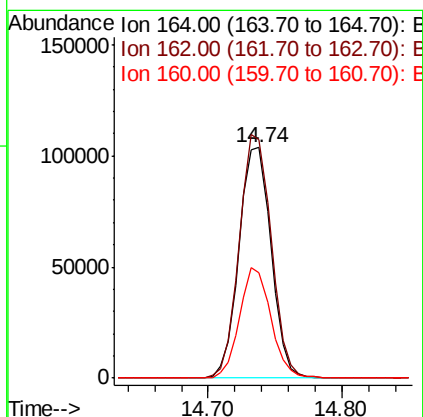
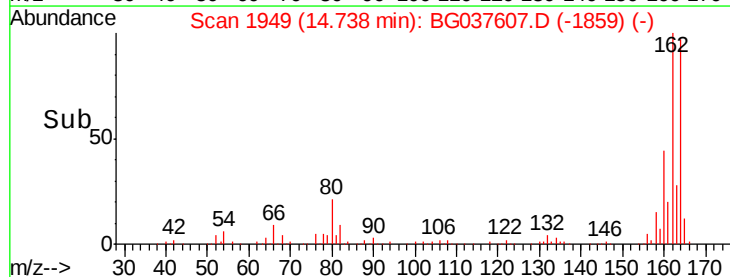
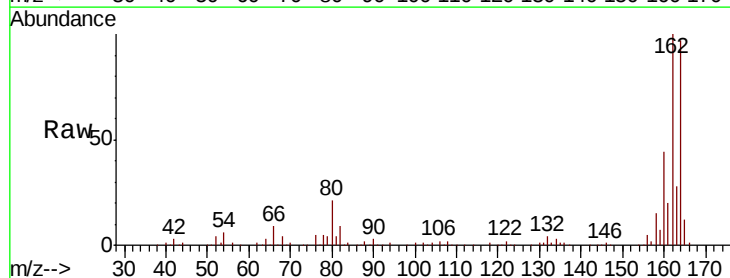
Instrument :
 BNA_G
 ClientSampleId :
 102318-TIPC-F-D-B

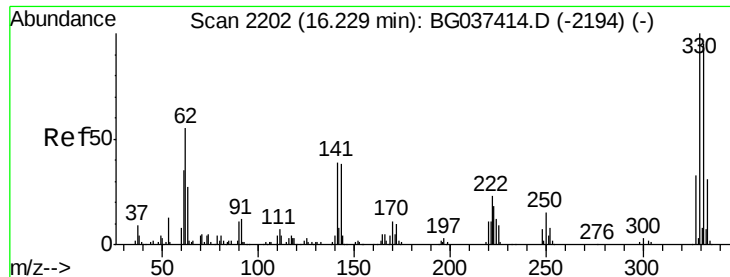
Tot Ion	82	Resp	430145
Ion Ratio	Lower	Upper	
82	100		
128	44.3	34.6	51.8
54	55.1	45.3	67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.74 min Scan# 1949
 Delta R.T. -0.00 min
 Lab File: BG037607.D
 Acq: 27 Oct 2018 8:13

Tgt Ion	164	Resp	172649
Ion Ratio	Lower	Upper	
164	100		
162	103.5	81.3	121.9
160	45.9	36.3	54.5

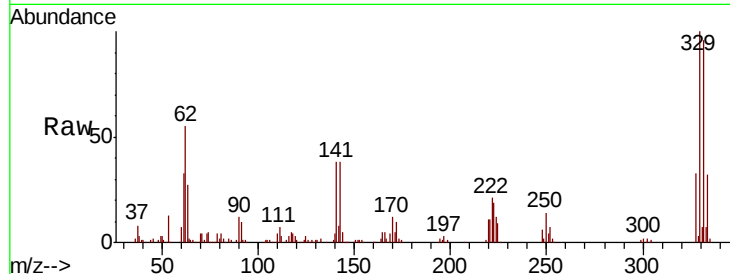




#42
 2,4,6-Tribromophenol
 Concen: 89.377 ng
 RT: 16.22 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: BG037607.D
 Acq: 27 Oct 2018 8:13

Instrument :
 BNA_G
 ClientSampleId :
 102318-TIPC-F-D-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.4	117.6
141	40.3	32.2	48.2

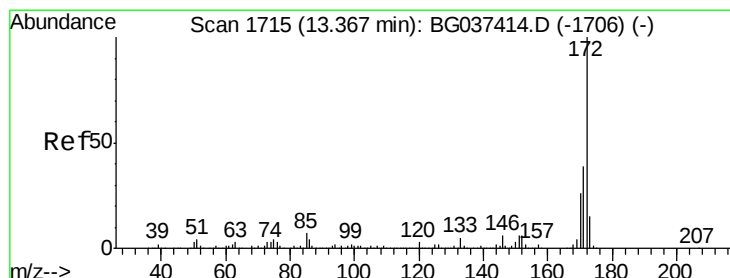
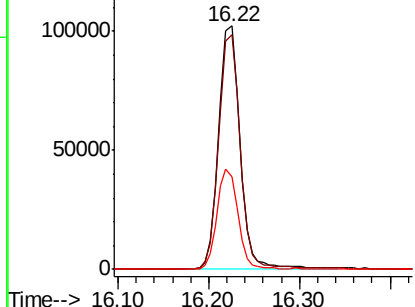
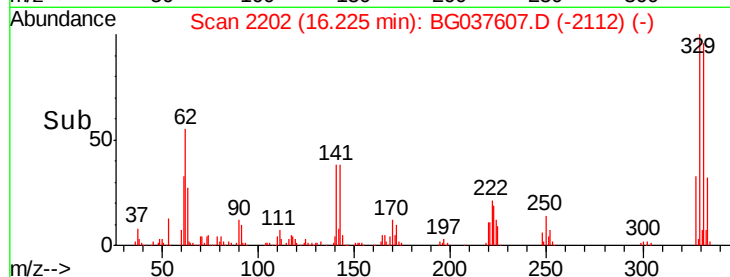


Abundance

Ion 329.80 (329.50 to 330.50): E

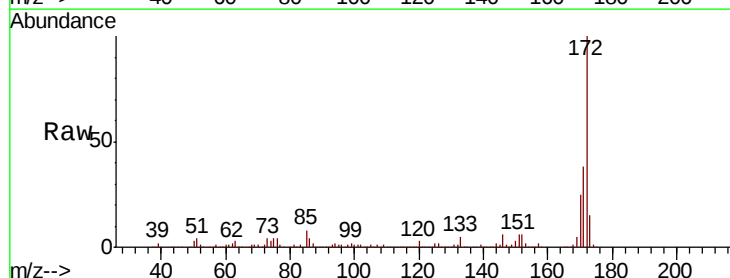
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 90.695 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037607.D
 Acq: 27 Oct 2018 8:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	31.0	46.4
170	25.0	20.2	30.2

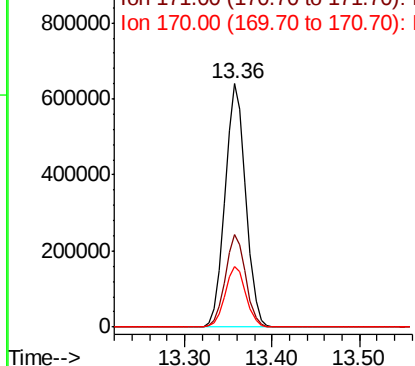
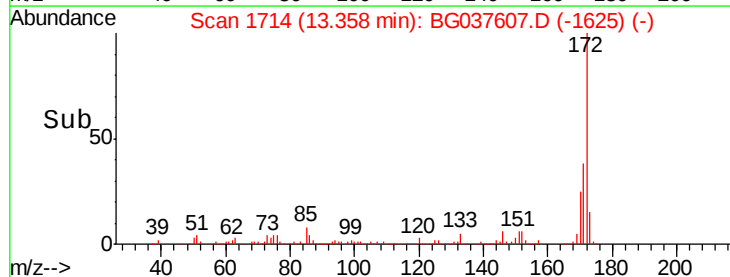


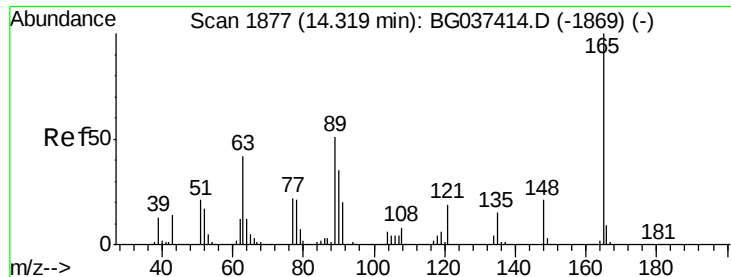
Abundance

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

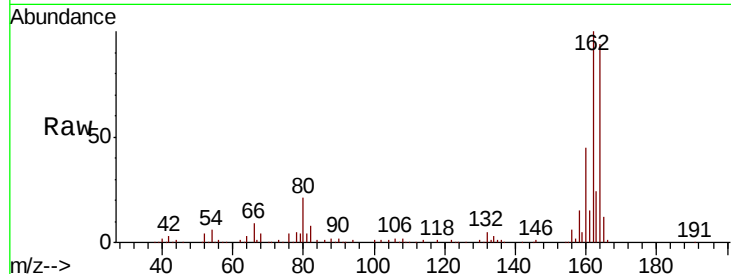




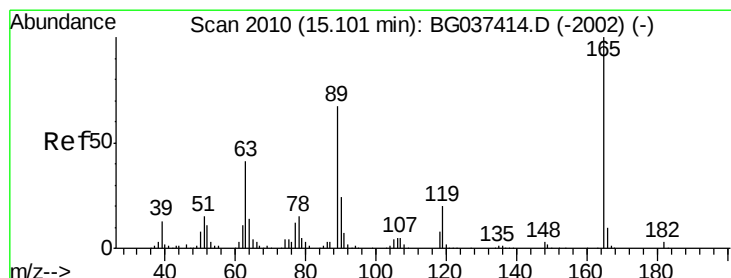
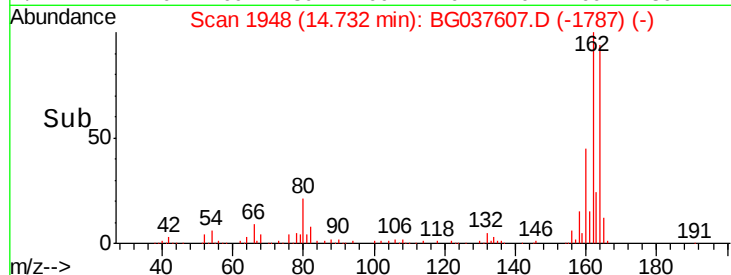
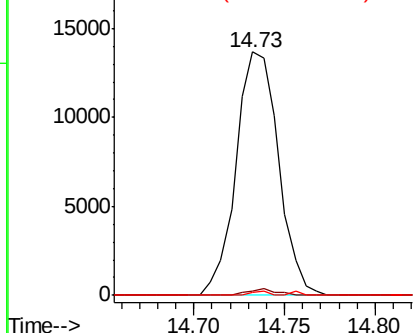
#51
 2,6-Dinitrotoluene
 Concen: 7.536 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. 0.41 min
 Lab File: BG037607.D
 Acq: 27 Oct 2018 8:13

Instrument :
 BNA_G
 ClientSampleId :
 102318-TIPC-F-D-B

Tot Ion:165 Resp: 22268
 Ion Ratio Lower Upper
 165 100
 63 1.9 43.4 65.2#
 89 1.4 45.8 68.6#

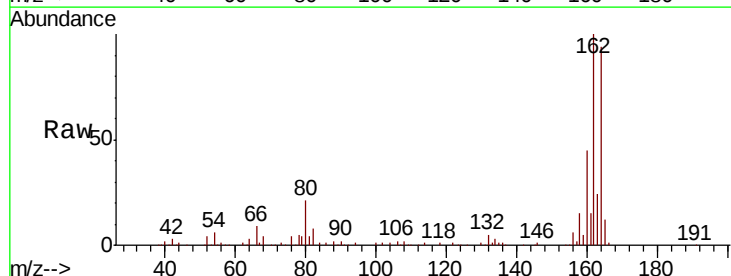


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

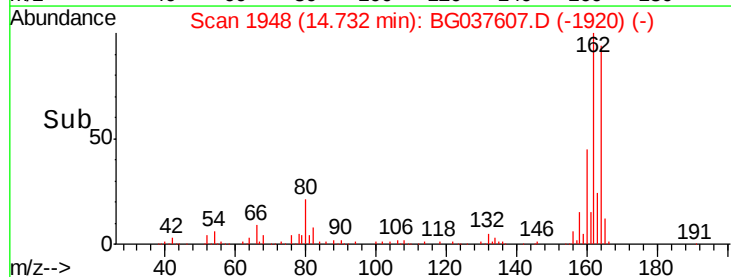
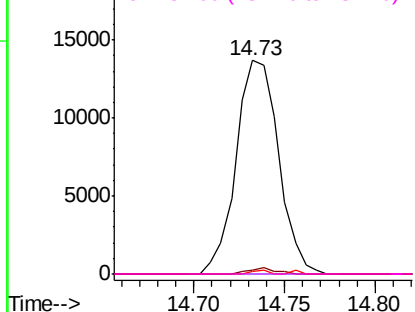


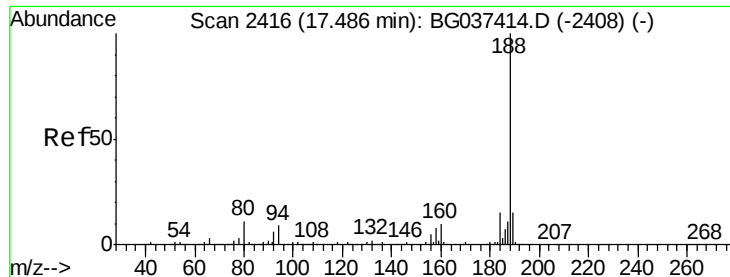
#57
 2,4-Dinitrotoluene
 Concen: 5.741 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037607.D
 Acq: 27 Oct 2018 8:13

Tgt Ion:165 Resp: 22268
 Ion Ratio Lower Upper
 165 100
 63 1.9 33.4 50.0#
 89 1.4 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: BG037607.D

Acq: 27 Oct 2018 8:13

Instrument :

BNA_G

ClientSampleId :

102318-TIPC-F-D-B

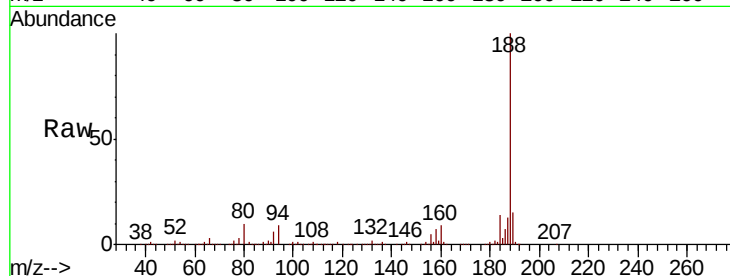
Tot Ion:188 Resp: 422010

Ion Ratio Lower Upper

188 100

94 9.4 7.2 10.8

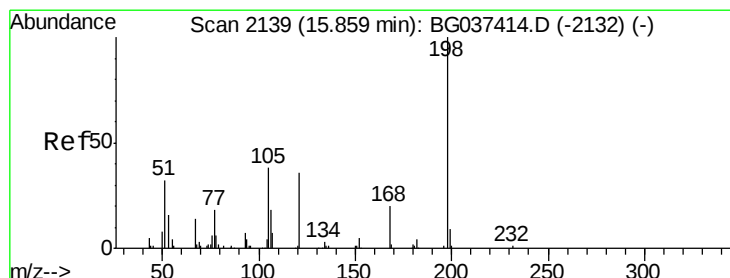
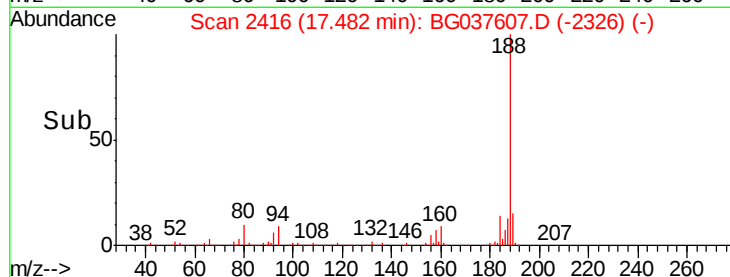
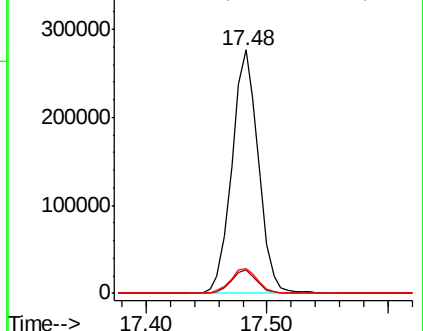
80 10.4 7.7 11.5



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: 8.700 ng

RT: 16.22 min Scan# 2201

Delta R.T. 0.36 min

Lab File: BG037607.D

Acq: 27 Oct 2018 8:13

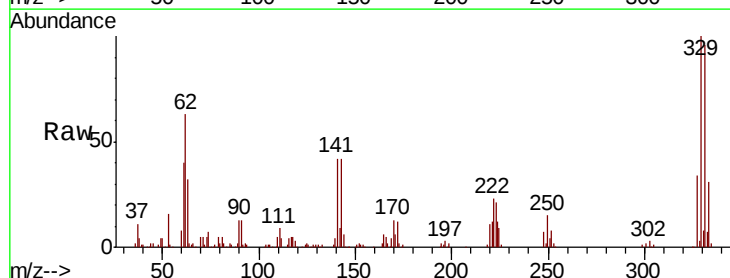
Tgt Ion:198 Resp: 518

Ion Ratio Lower Upper

198 100

51 18.7 22.7 62.7#

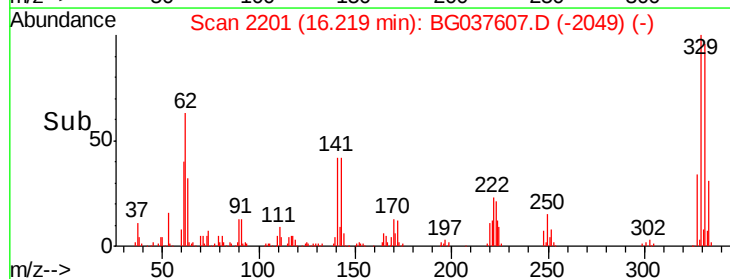
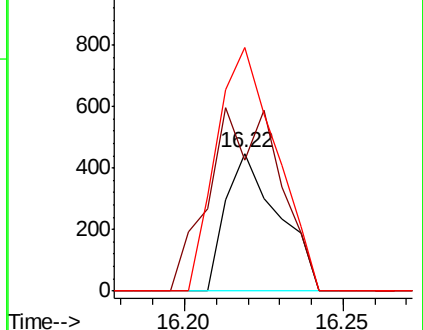
105 34.9 19.7 59.7

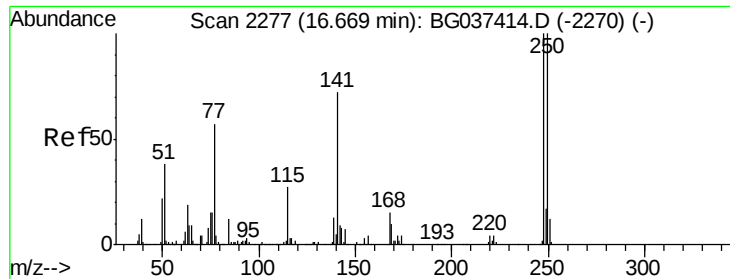


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

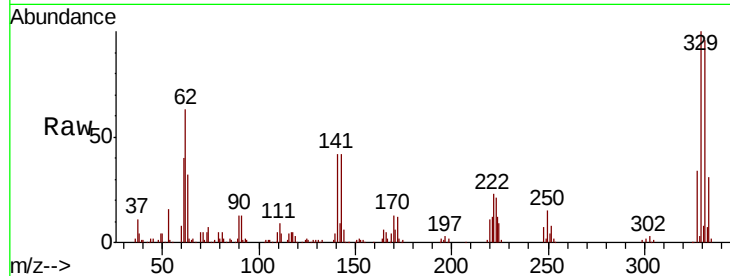




#67
 4-Bromophenyl-phenylether
 Concen: 2.532 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037607.D
 Acq: 27 Oct 2018 8:13

Instrument :
 BNA_G
 ClientSampleId :
 102318-TIPC-F-D-B

Tot Ion	Ratio	Lower	Upper
248	100		
250	197.1	77.0	115.6#
141	427.7	55.5	83.3#

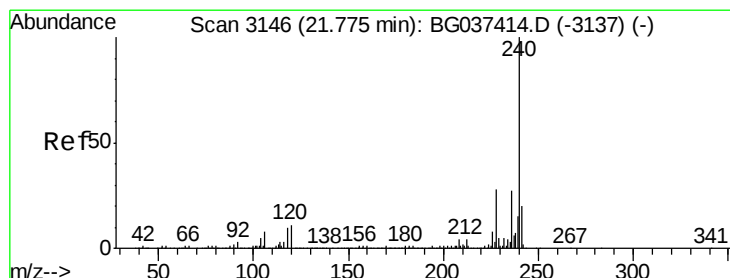
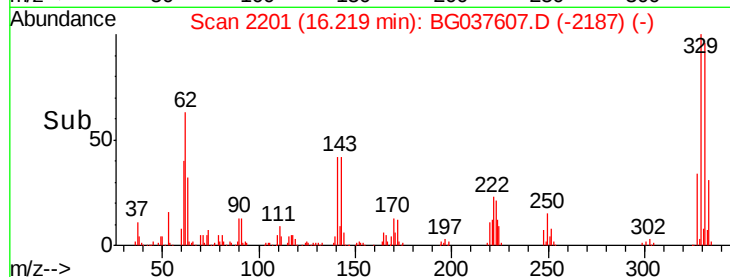
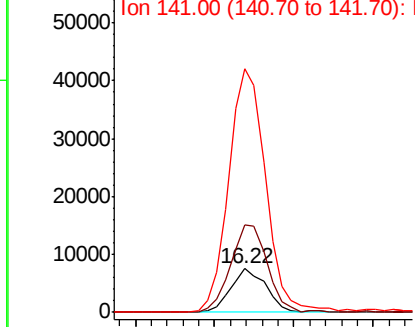


Abundance

Ion 248.00 (247.70 to 248.70): E

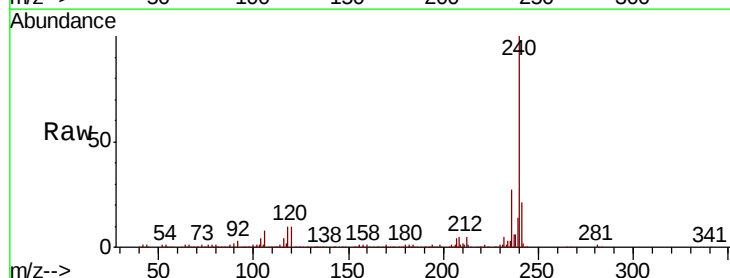
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BG037607.D
 Acq: 27 Oct 2018 8:13

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.1	12.1
236	26.8	21.4	32.0

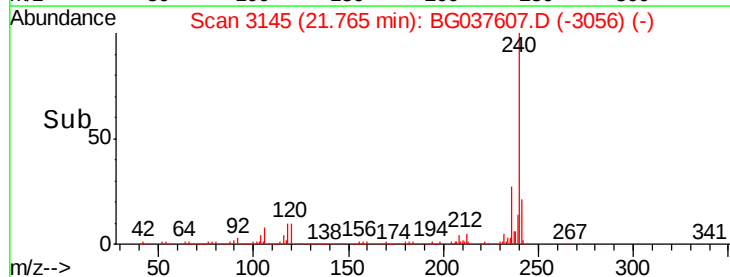
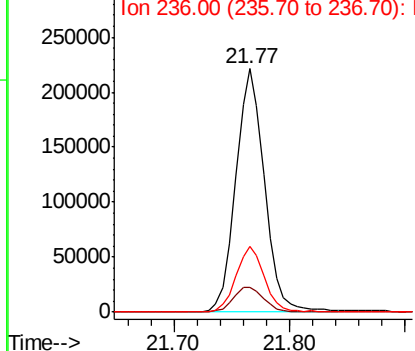


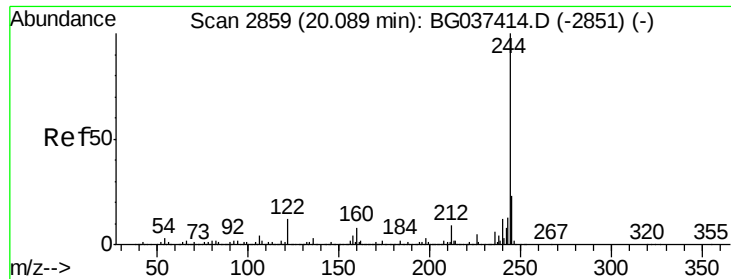
Abundance

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





#79

Terphenyl-d14

Concen: 88.242 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG037607.D

Acq: 27 Oct 2018 8:13

Instrument :

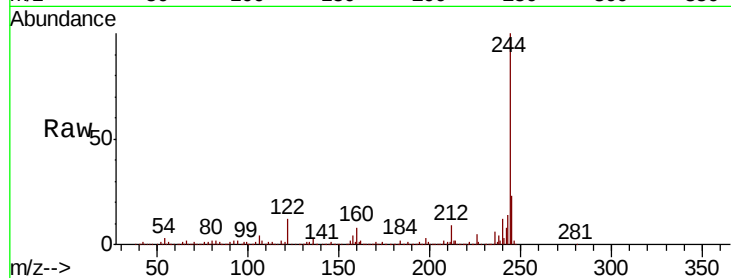
BNA_G

ClientSampleId :

102318-TIPC-F-D-B

Tot Ion:244 Resp: 1573835

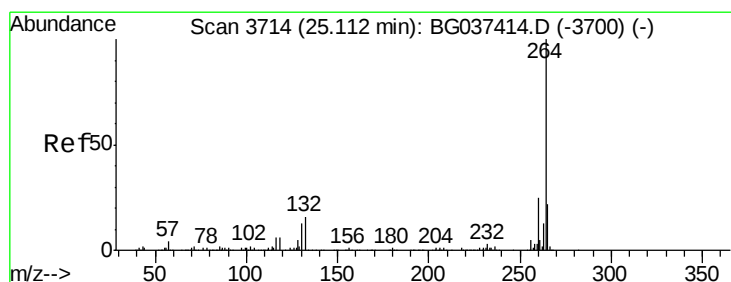
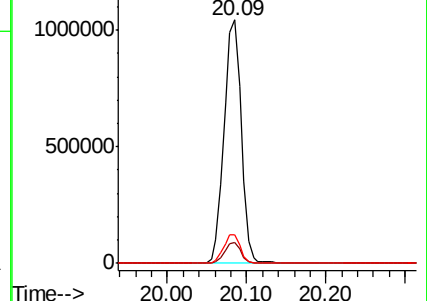
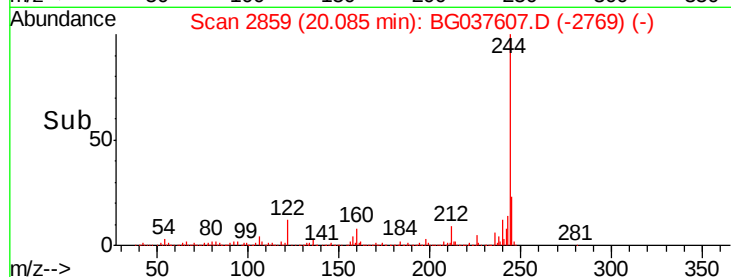
Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.5	9.7
122	11.7	9.0	13.4



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

Perylene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3713

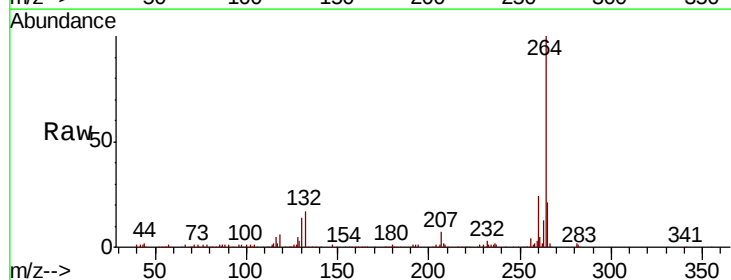
Delta R.T. -0.01 min

Lab File: BG037607.D

Acq: 27 Oct 2018 8:13

Tgt Ion:264 Resp: 355999

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.2	27.4
265	20.9	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

