

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102618\
 Data File : BG037609.D
 Acq On : 27 Oct 2018 9:31
 Operator : JU/SJ
 Sample : J5662-15
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Oct 29 04:11:10 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

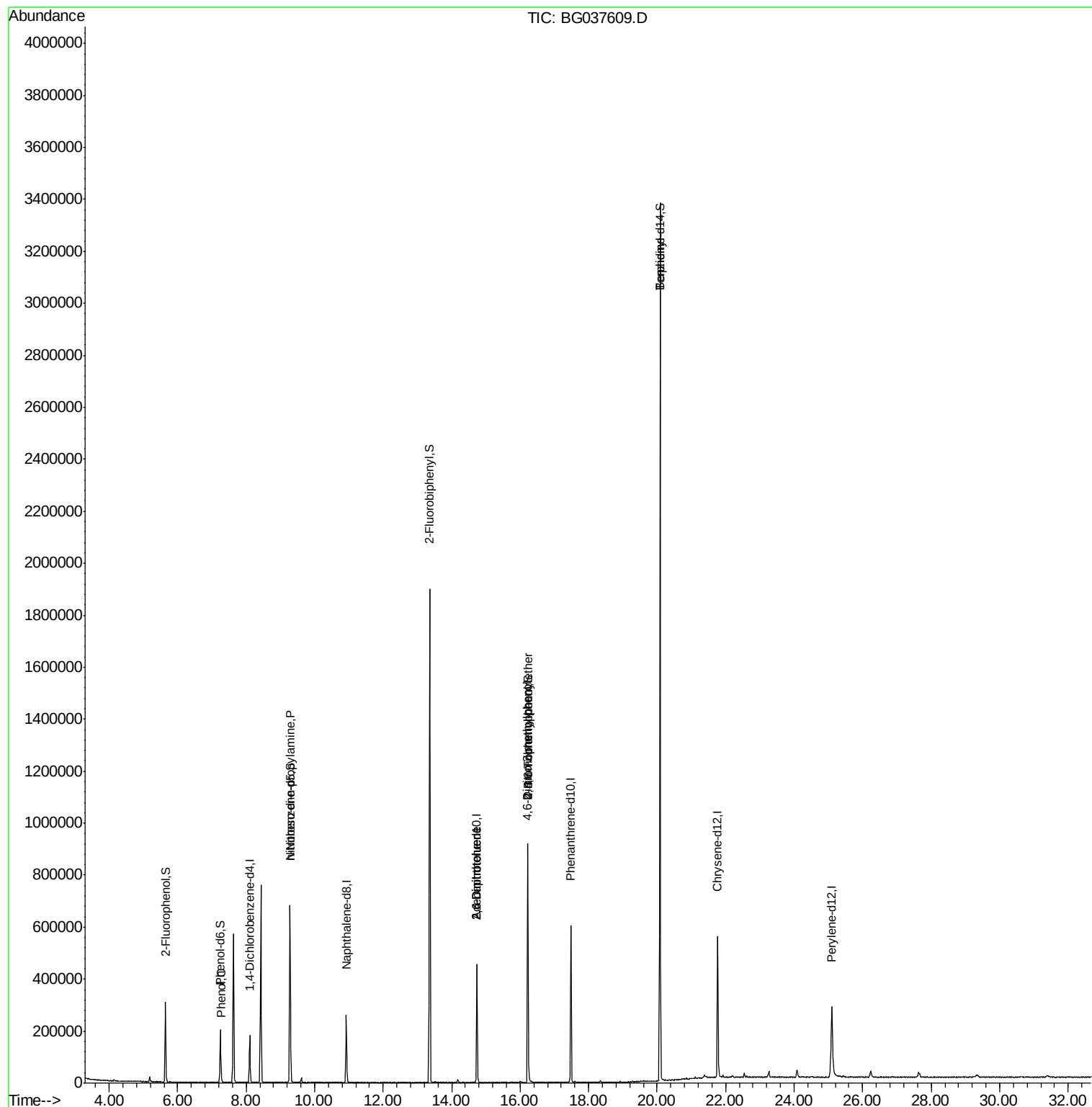
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	53137	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	235089	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	161022	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	389756	20.00	ng	0.00
76) Chrysene-d12	21.76	240	356762	20.00	ng	-0.01
87) Perylene-d12	25.10	264	340176	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	145078	45.65	ng	0.00
7) Phenol-d6	7.24	99	128922	26.83	ng	0.00
23) Nitrobenzene-d5	9.28	82	430569	102.60	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	170257	96.94	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1041377	97.52	ng	0.00
79) Terphenyl-d14	20.08	244	1589111	95.18	ng	0.00
Target Compounds						
10) Phenol	7.27	94	21494	4.239	ng	90
19) n-Nitroso-di-n-propylamine	9.28	70	54154	16.363	ng	# 71
51) 2,6-Dinitrotoluene	14.74	165	20677	7.503	ng	# 26
57) 2,4-Dinitrotoluene	14.74	165	20677	5.716	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.21	198	214	8.594	ng	# 74
67) 4-Bromophenyl-phenylether	16.22	248	11913	2.783	ng	# 1
77) Benzidine	20.08	184	26859	2.214	ng	# 90

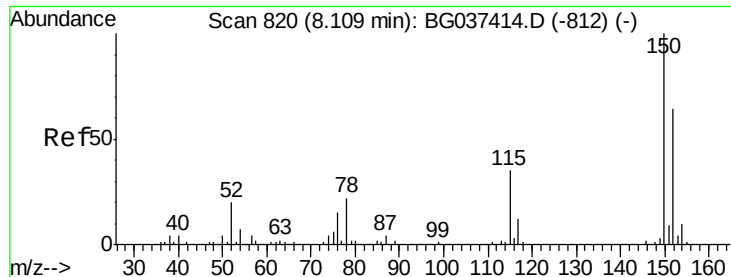
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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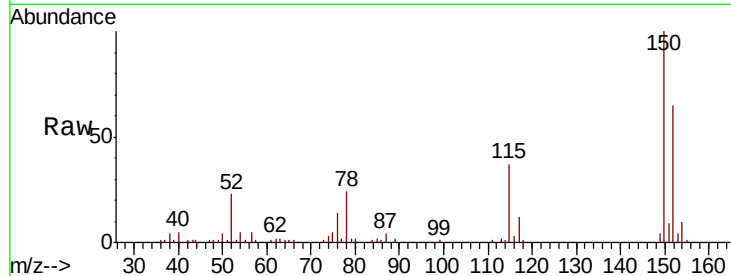


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037609.D
Acq: 27 Oct 2018 9:31

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	126.0	189.0
115	56.9	45.5	68.3

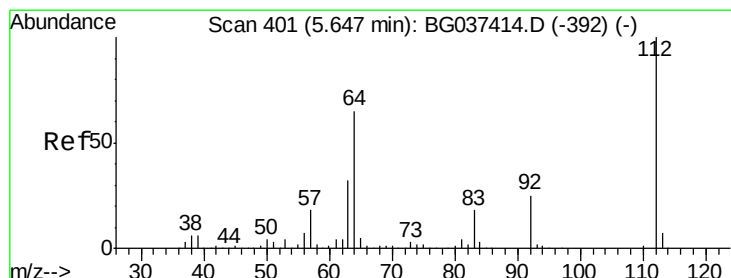
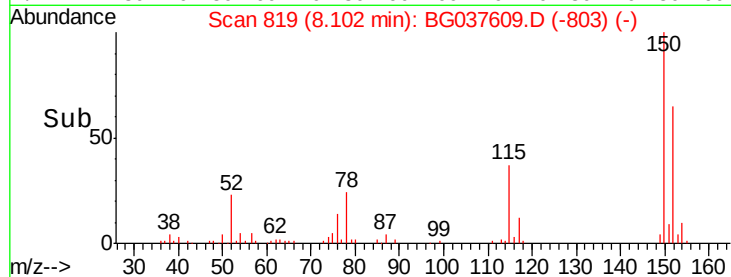
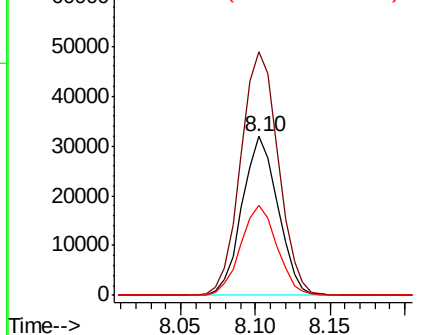


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

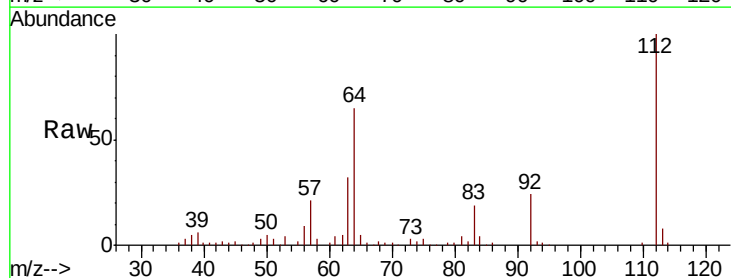
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.646 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037609.D
Acq: 27 Oct 2018 9:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	53.1	79.7
63	32.3	27.3	40.9

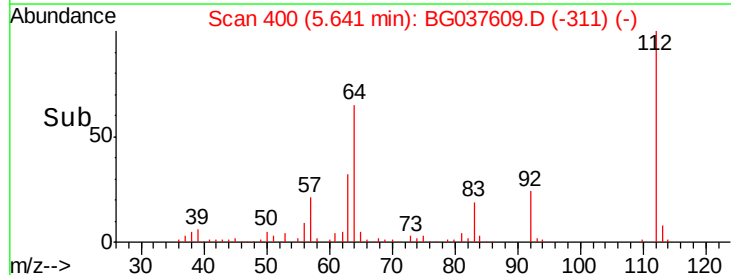
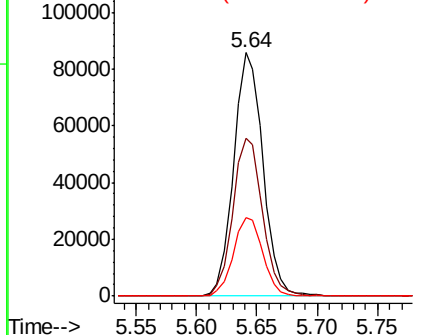


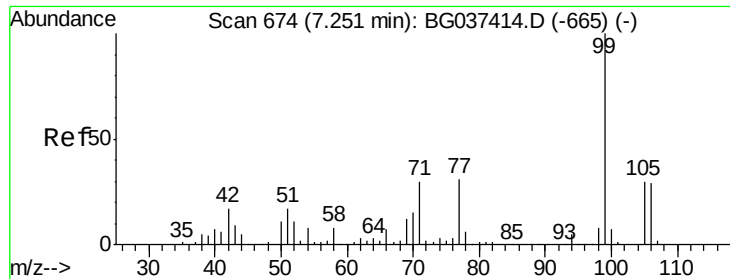
Abundance

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: 26.825 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037609.D

Acq: 27 Oct 2018 9:31

Instrument :

BNA_G

ClientSampleId :

102318-TIPC-F-U-B

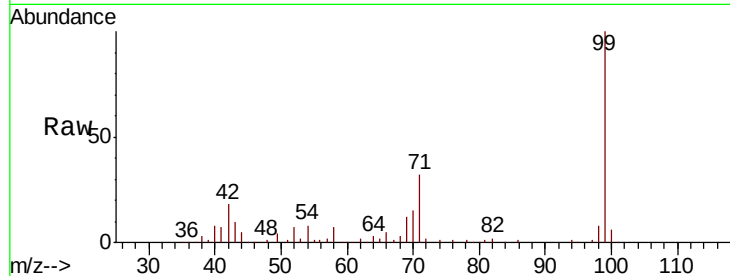
Tot Ion: 99 Resp: 128922

Ion Ratio Lower Upper

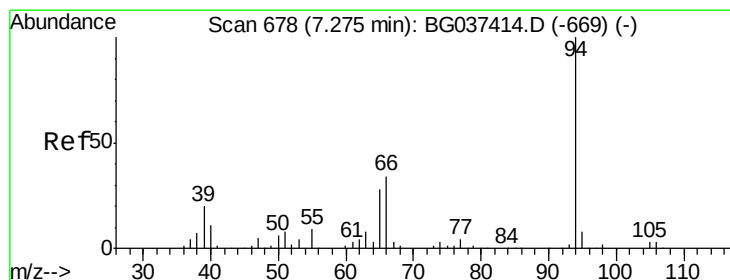
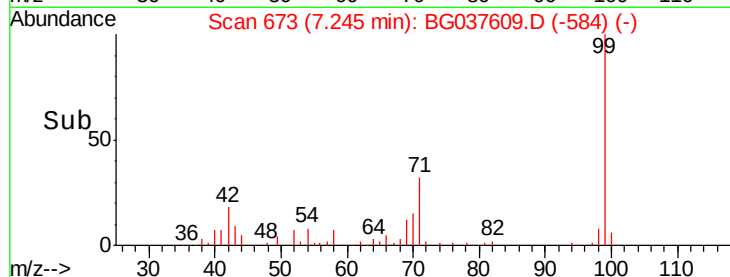
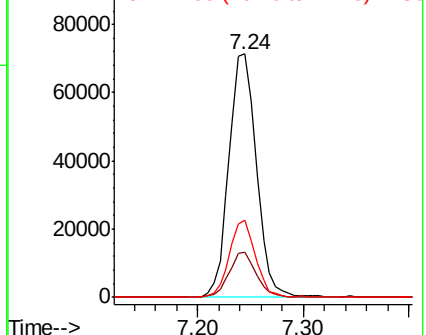
99 100

42 18.4 15.0 22.4

71 31.7 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: 4.239 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037609.D

Acq: 27 Oct 2018 9:31

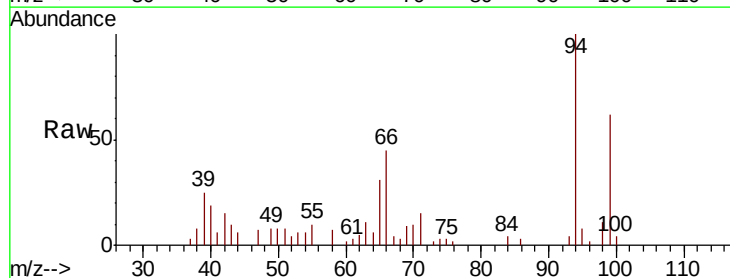
Tgt Ion: 94 Resp: 21494

Ion Ratio Lower Upper

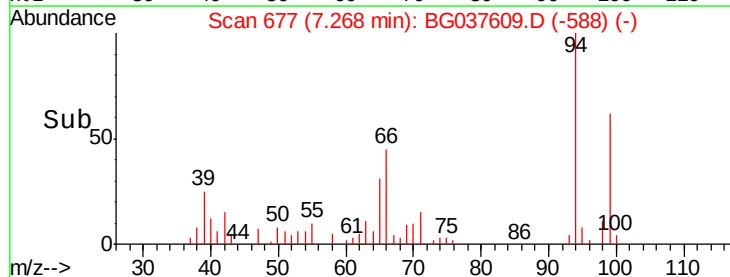
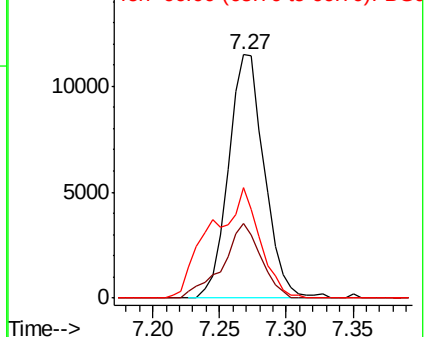
94 100

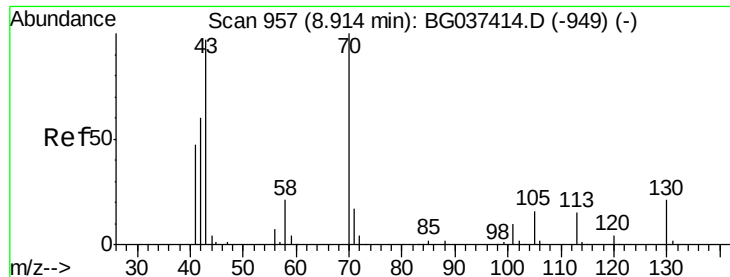
65 30.6 9.7 49.7

66 45.4 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

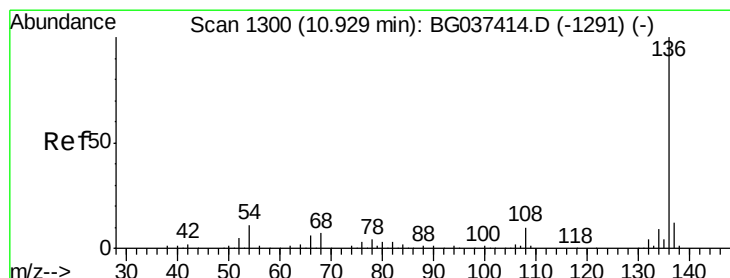
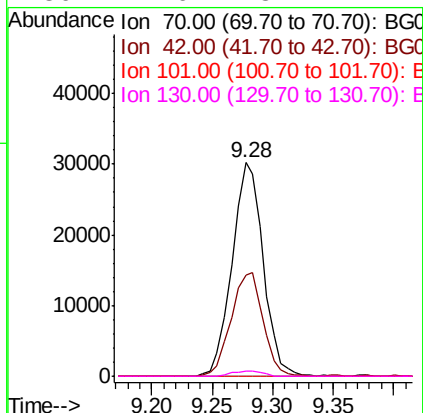
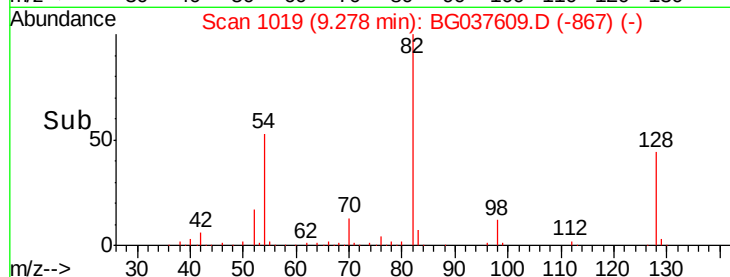
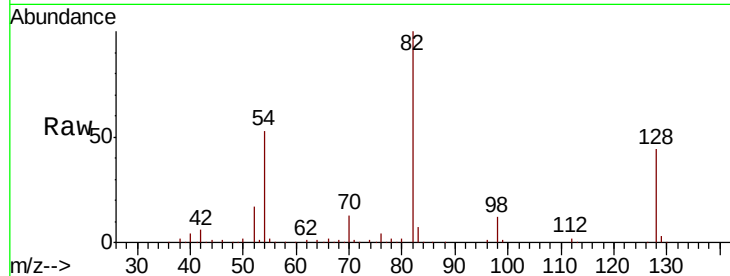




#19
n-Nitroso-di-n-propylamine
Concen: 16.363 ng
RT: 9.28 min Scan# 1019
Delta R.T. 0.36 min
Lab File: BG037609.D
Acq: 27 Oct 2018 9:31

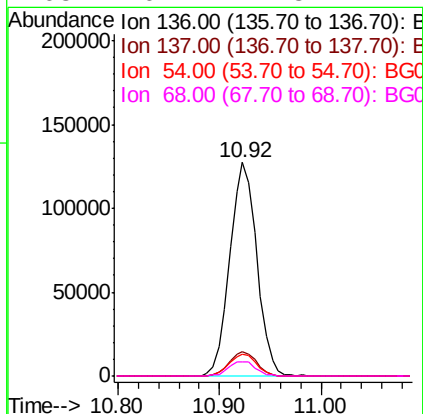
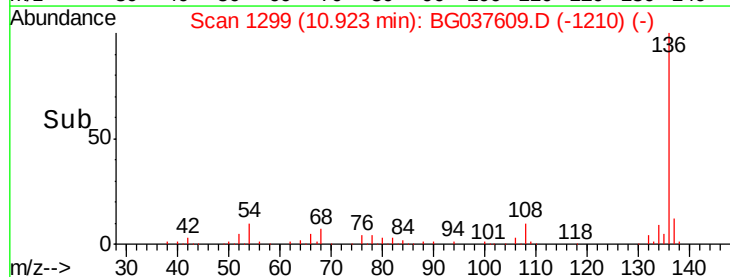
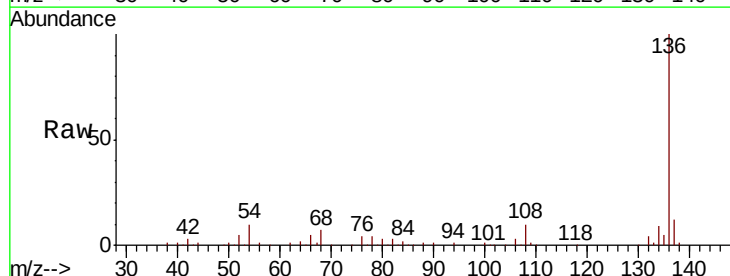
Instrument :
BNA_G
ClientSampleId :
102318-TIPC-F-U-B

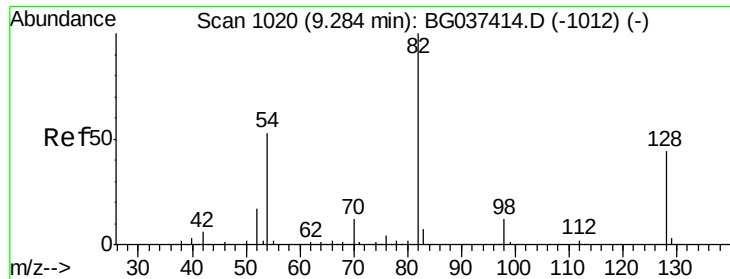
Tot Ion: 70 Resp: 54154
Ion Ratio Lower Upper
70 100
42 47.4 53.9 80.9#
101 0.0 8.2 12.2#
130 2.6 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG037609.D
Acq: 27 Oct 2018 9:31

Tgt Ion: 136 Resp: 235089
Ion Ratio Lower Upper
136 100
137 11.7 9.6 14.4
54 9.9 7.9 11.9
68 6.7 4.8 7.2

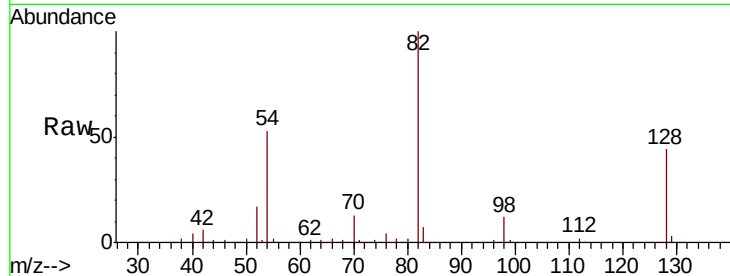




#23
Nitrobenzene-d5
Concen: 102.600 ng
RT: 9.28 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037609.D
Acq: 27 Oct 2018 9:31

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

Tot Ion	82	Resp	430569
Ion Ratio	100		
Lower	34.6		
Upper	51.8		
54	53.3	45.3	67.9

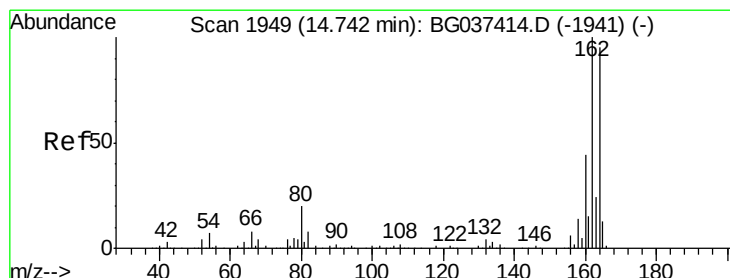
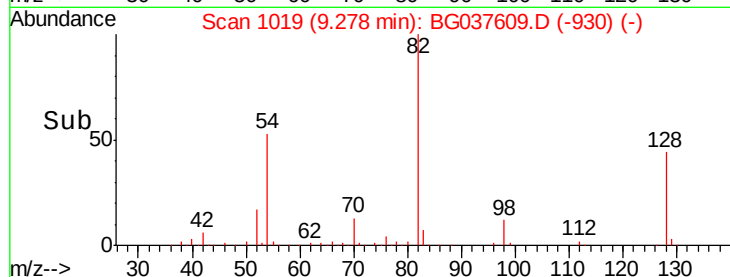
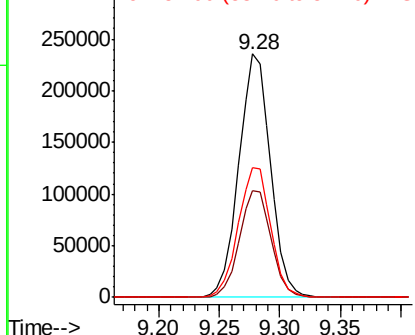


Abundance

Ion 82.00 (81.70 to 82.70): BGC

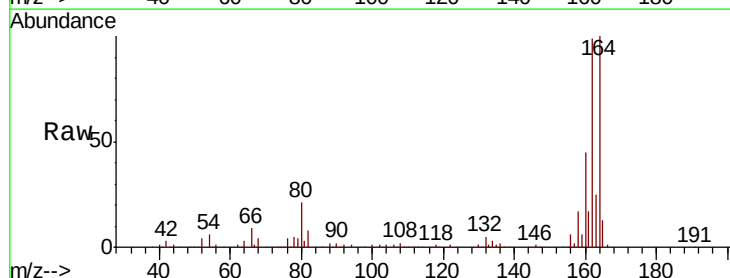
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BG037609.D
Acq: 27 Oct 2018 9:31

Tgt Ion	164	Resp	161022
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td>81.3</td> <td></td> <td></td>	81.3		
Upper <td>121.9</td> <td></td> <td></td>	121.9		
162	99.4	36.3	54.5
160	45.4		

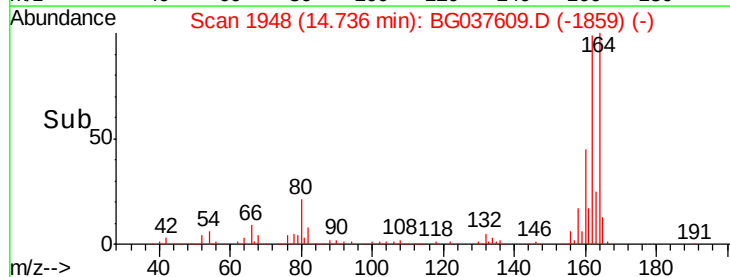
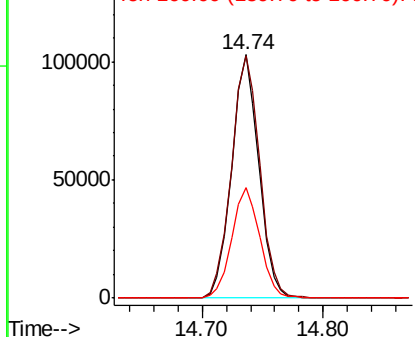


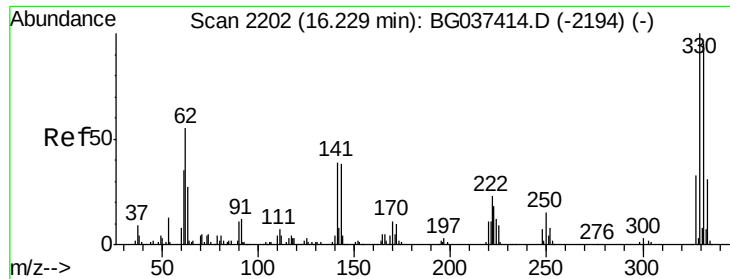
Abundance

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: 96.944 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037609.D

Acq: 27 Oct 2018 9:31

Instrument :

BNA_G

ClientSampleId :

102318-TIPC-F-U-B

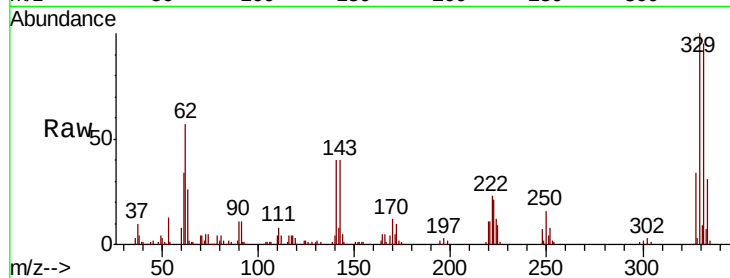
Tot Ion:330 Resp: 170257

Ion Ratio Lower Upper

330 100

332 94.2 78.4 117.6

141 39.3 32.2 48.2

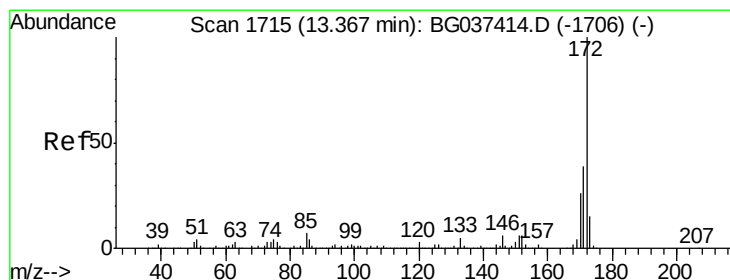
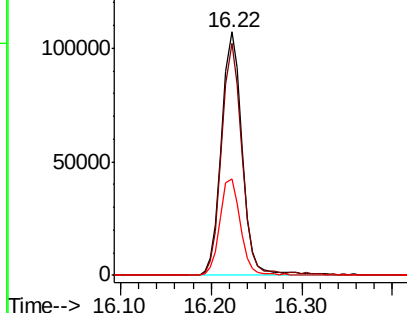
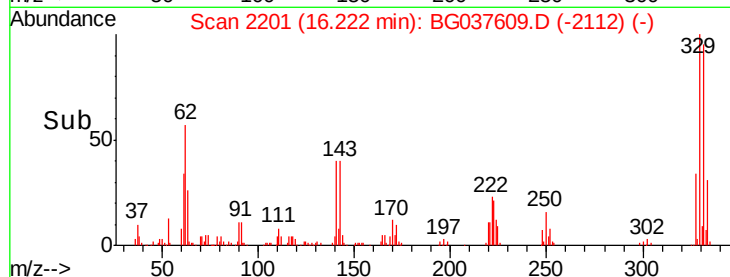


Abundance

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: 97.523 ng

RT: 13.36 min Scan# 1714

Delta R.T. -0.01 min

Lab File: BG037609.D

Acq: 27 Oct 2018 9:31

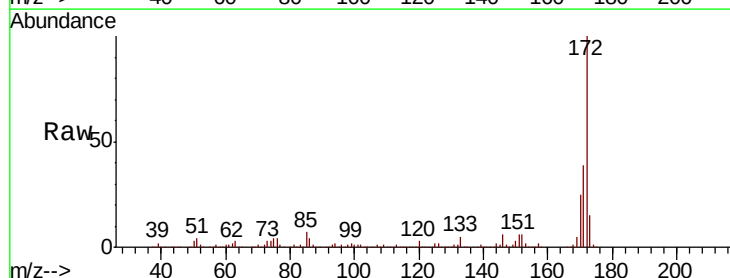
Tgt Ion:172 Resp: 1041377

Ion Ratio Lower Upper

172 100

171 38.7 31.0 46.4

170 24.9 20.2 30.2

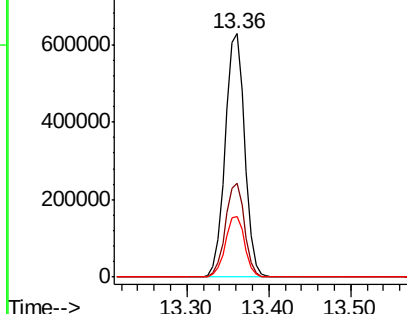
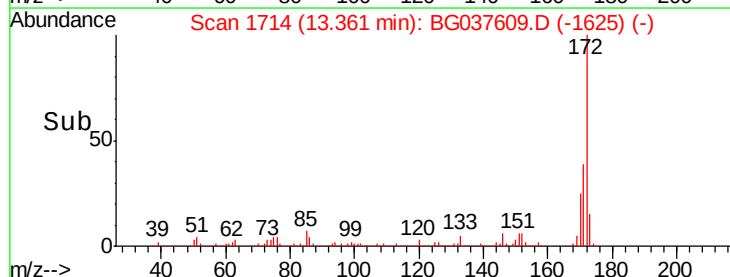


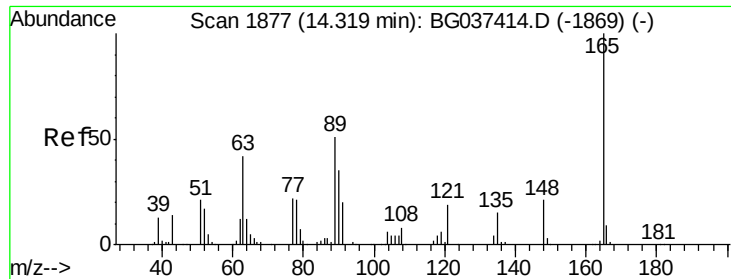
Abundance

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

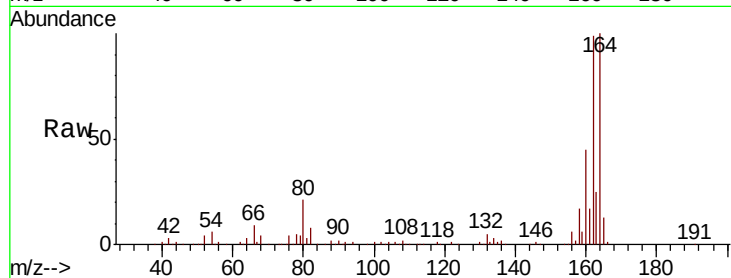




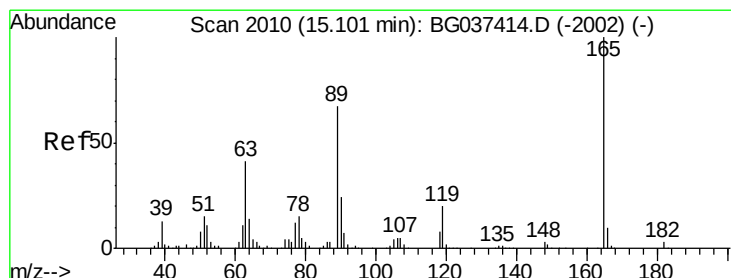
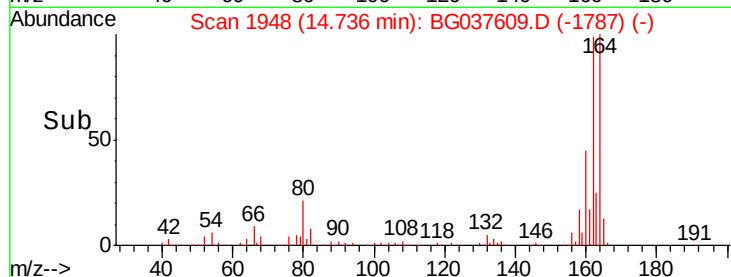
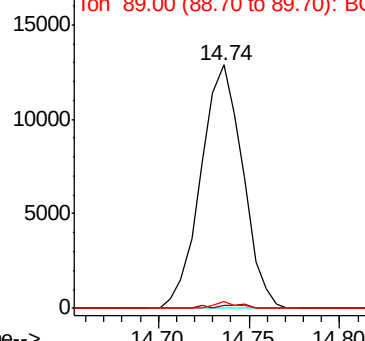
#51
2,6-Dinitrotoluene
Concen: 7.503 ng
RT: 14.74 min Scan# 1948
Delta R.T. 0.42 min
Lab File: BG037609.D
Acq: 27 Oct 2018 9:31

Instrument :
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ClientSampleId :
102318-TIPC-F-U-B

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	43.4	65.2#
89	2.7	45.8	68.6#

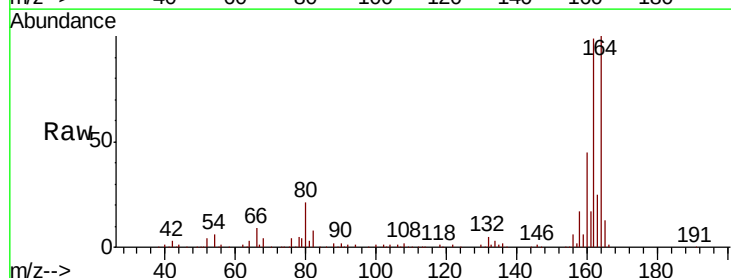


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

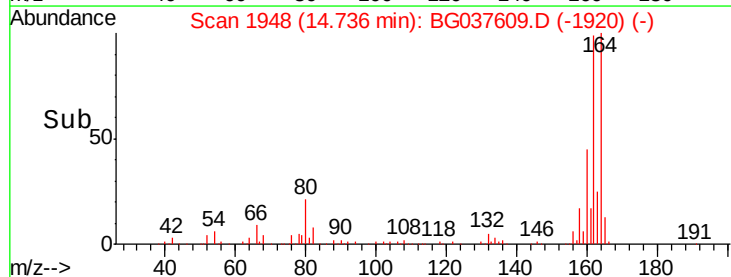
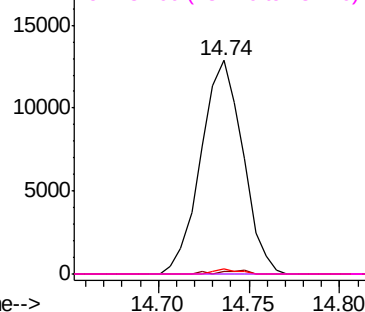


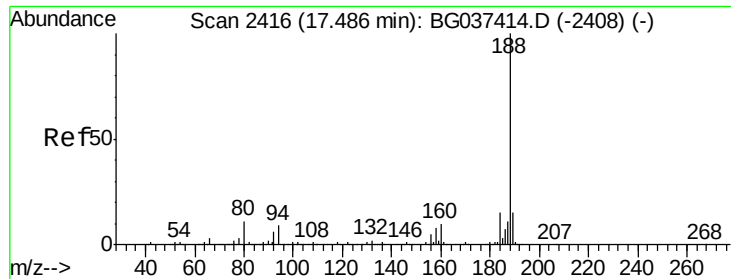
#57
2,4-Dinitrotoluene
Concen: 5.716 ng
RT: 14.74 min Scan# 1948
Delta R.T. -0.36 min
Lab File: BG037609.D
Acq: 27 Oct 2018 9:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.4	50.0#
89	2.7	57.2	85.8#
182	0.0	2.6	4.0#



Abundance Ion 165.00 (164.70 to 165.70): E
20000 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

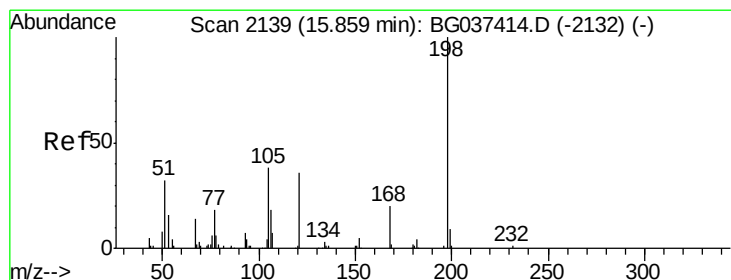
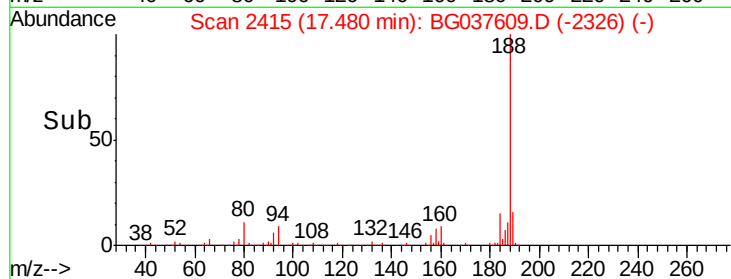
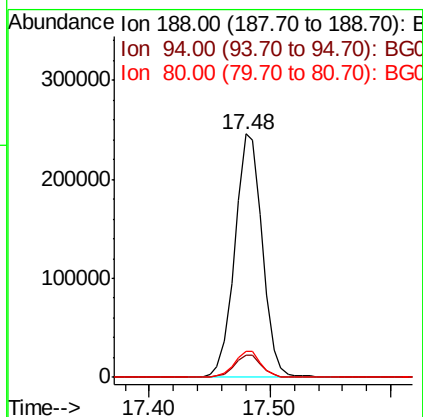
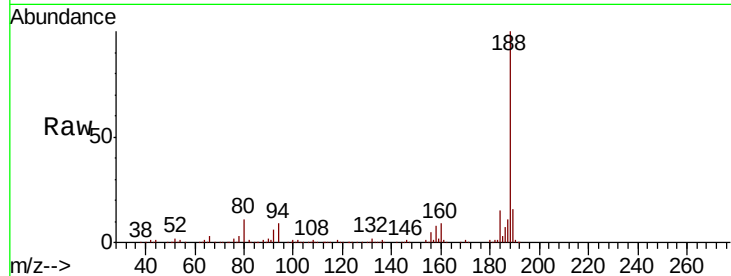




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BG037609.D
Acq: 27 Oct 2018 9:31

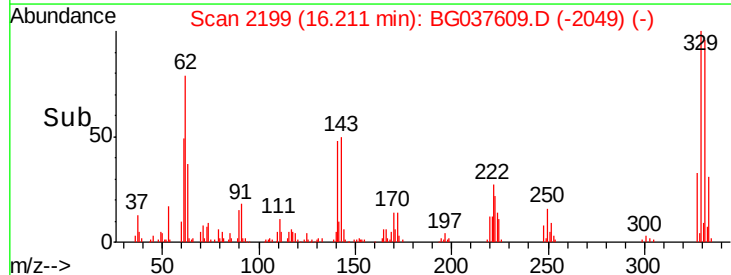
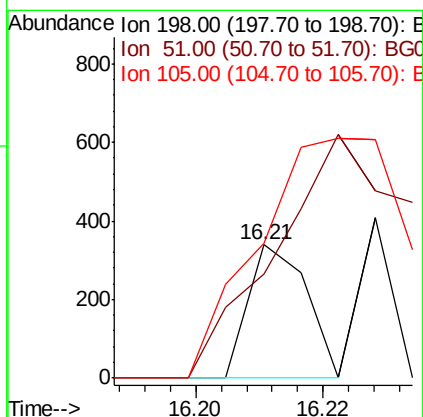
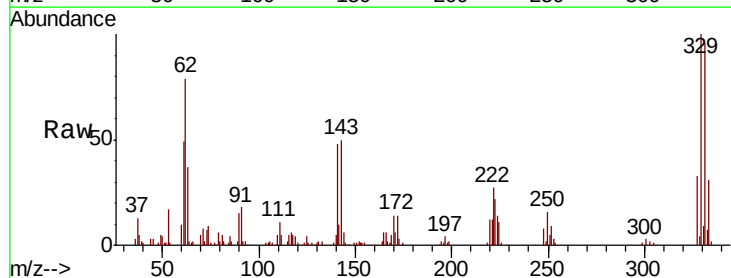
Instrument :
BNA_G
ClientSampleId :
102318-TIPC-F-U-B

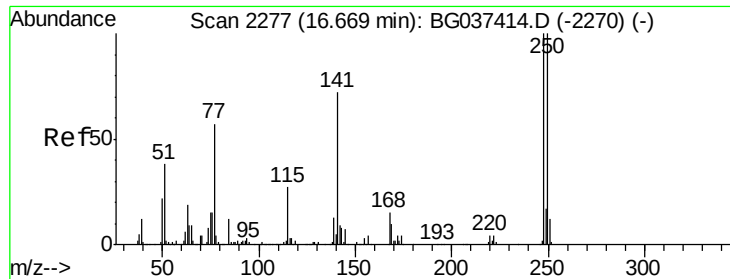
Tot Ion:188 Resp: 389756
Ion Ratio Lower Upper
188 100
94 9.4 7.2 10.8
80 10.7 7.7 11.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.594 ng
RT: 16.21 min Scan# 2199
Delta R.T. 0.35 min
Lab File: BG037609.D
Acq: 27 Oct 2018 9:31

Tgt Ion:198 Resp: 214
Ion Ratio Lower Upper
198 100
51 22.1 22.7 62.7#
105 28.4 19.7 59.7

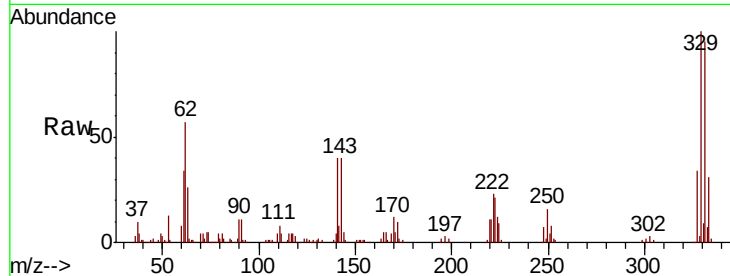




#67
 4-Bromophenyl-phenylether
 Concen: 2.783 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037609.D
 Acq: 27 Oct 2018 9:31

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

Tot Ion	Ratio	Lower	Upper
248	100		
250	211.4	77.0	115.6#
141	422.8	55.5	83.3#

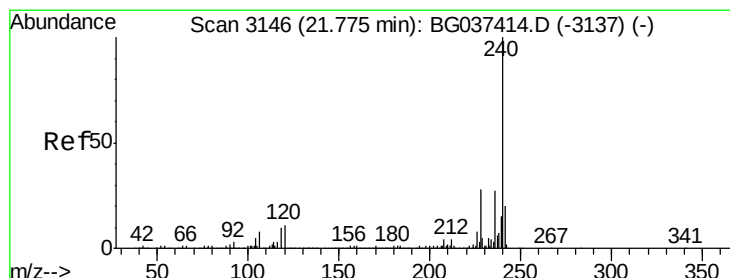
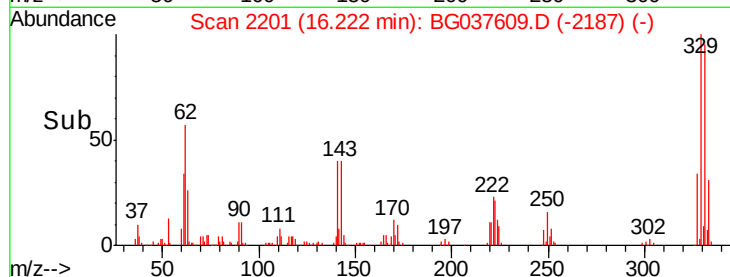
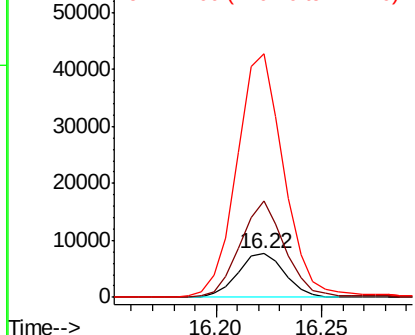


Abundance

Ion 248.00 (247.70 to 248.70): E

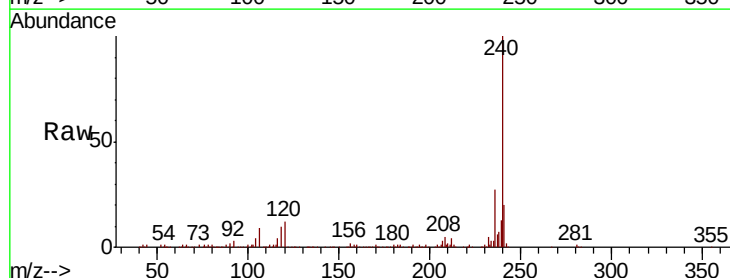
Ion 250.00 (249.70 to 250.70): E

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: BG037609.D
 Acq: 27 Oct 2018 9:31

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.3	8.1	12.1#
236	26.6	21.4	32.0

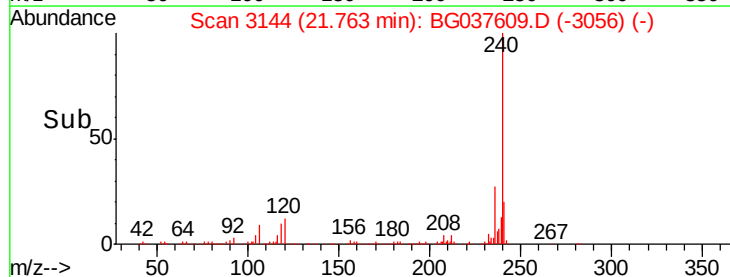
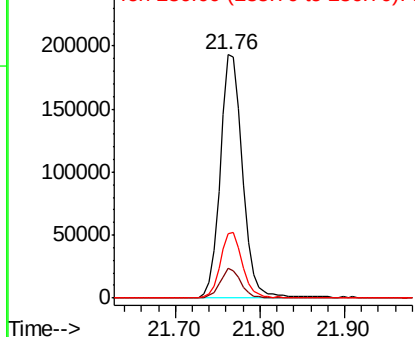


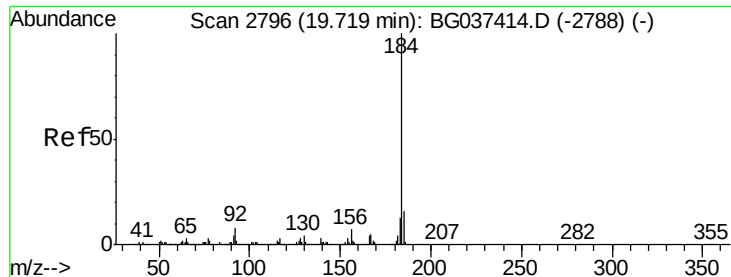
Abundance

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

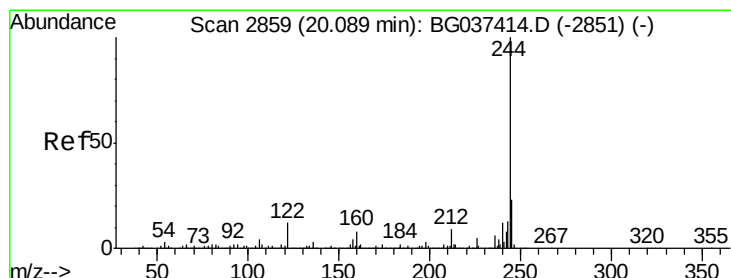
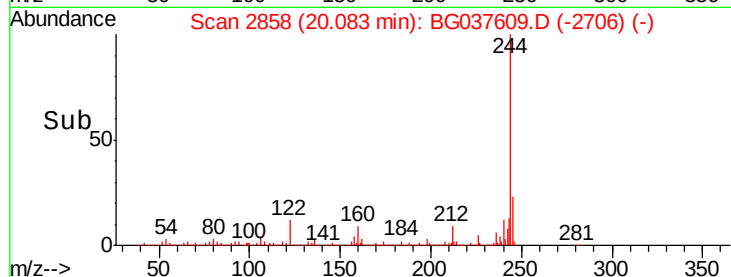
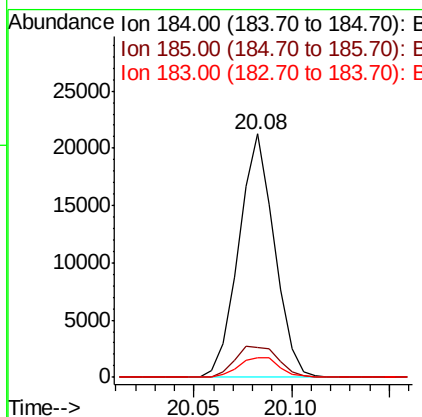
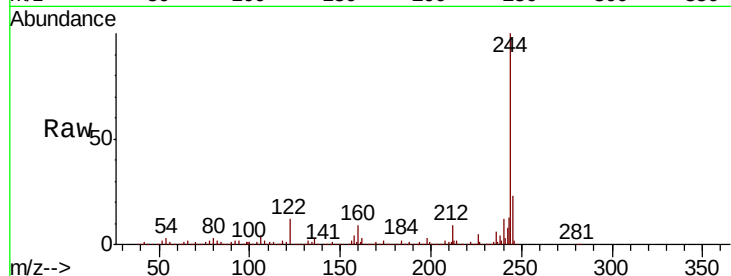




#77
Benzidine
Concen: 2.214 ng
RT: 20.08 min Scan# 2858
Delta R.T. 0.36 min
Lab File: BG037609.D
Acq: 27 Oct 2018 9:31

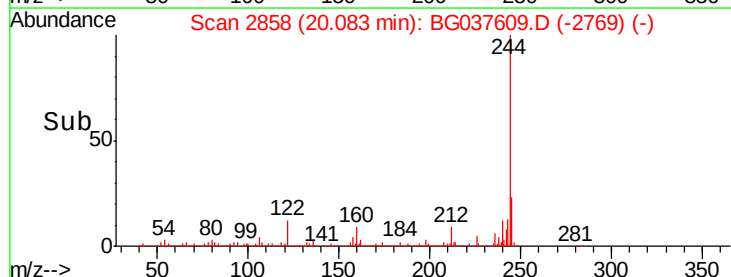
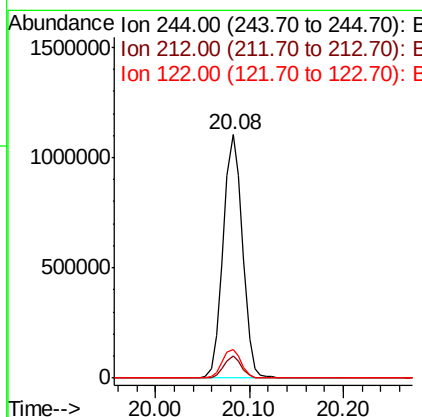
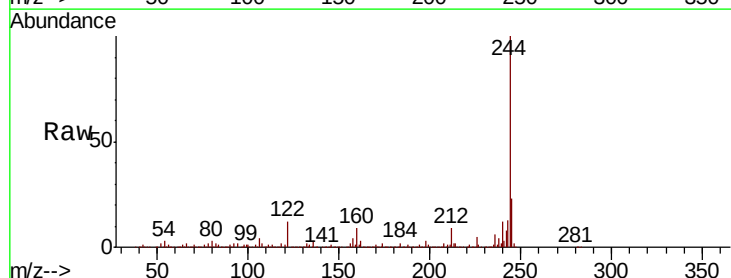
Instrument :
BNA_G
ClientSampleId :
102318-TIPC-F-U-B

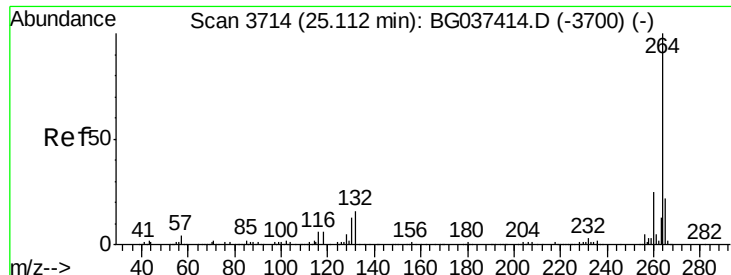
Tot Ion	Ratio	Lower	Upper
184	100		
185	12.3	12.6	18.8#
183	7.9	10.2	15.2#



#79
Terphenyl-d14
Concen: 95.177 ng
RT: 20.08 min Scan# 2858
Delta R.T. -0.01 min
Lab File: BG037609.D
Acq: 27 Oct 2018 9:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.9	6.5	9.7
122	11.8	9.0	13.4

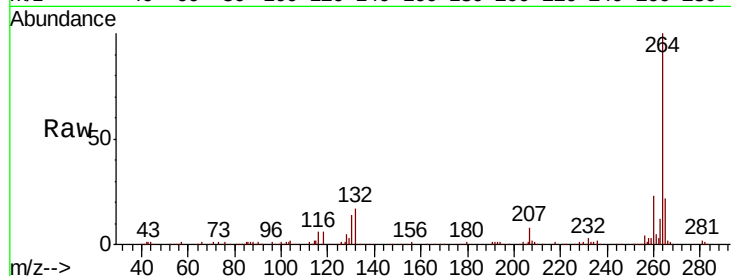




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.10 min Scan# 3712
 Delta R.T. -0.01 min
 Lab File: BG037609.D
 Acq: 27 Oct 2018 9:31

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.4
265	21.7	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

