

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022818\
 Data File : BG032914.D
 Acq On : 1 Mar 2018 9:04
 Operator : SJ/JU
 Sample : J1699-40
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 10:48:10 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

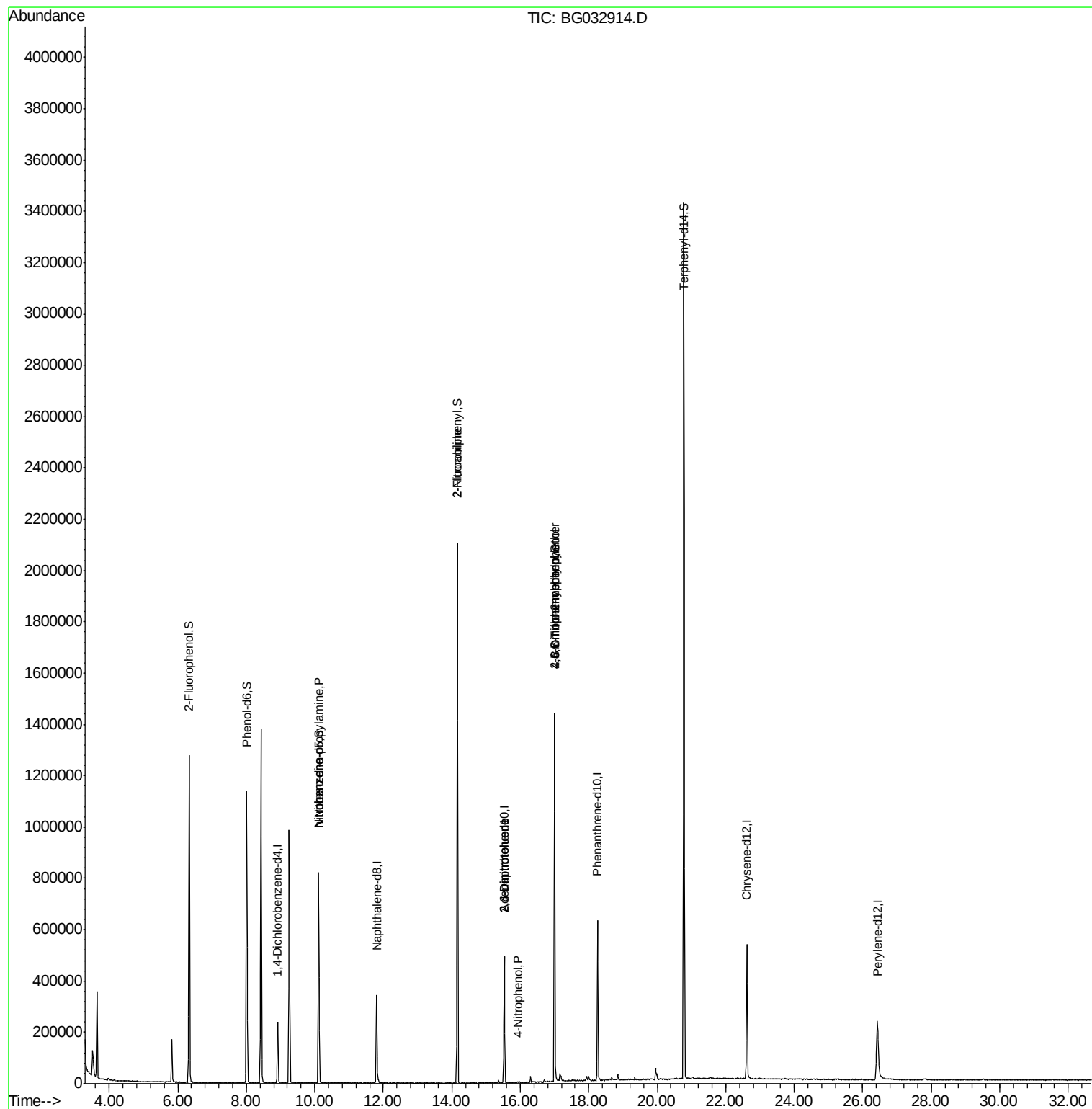
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	72648	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	307172	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	173666	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	378913	20.00	ng	0.00
75) Chrysene-d12	22.62	240	347423	20.00	ng	-0.02
86) Perylene-d12	26.43	264	328442	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	614374	135.30	ng	0.00
7) Phenol-d6	8.01	99	730351	115.39	ng	0.00
23) Nitrobenzene-d5	10.12	82	529877	115.66	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	252107	138.06	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1129692	93.82	ng	0.00
78) Terphenyl-d14	20.78	244	1577288	102.00	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	68769	15.390	ng	# 82
24) Nitrobenzene	10.12	77	1603	6.664	ng	# 35
47) 2-Nitroaniline	14.16	65	2239	10.458	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	22525	16.416	ng	# 20
55) 4-Nitrophenol	15.92	139	720	7.352	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	22525	14.614	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	819	5.866	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	18102	4.518	ng	# 1

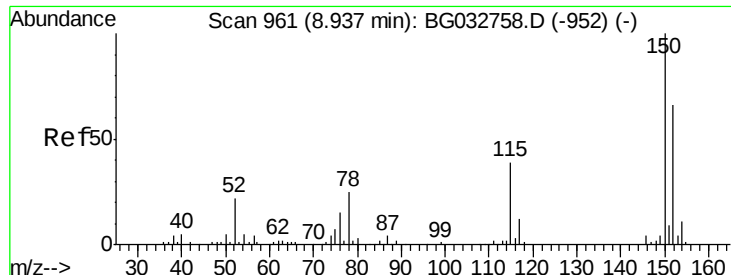
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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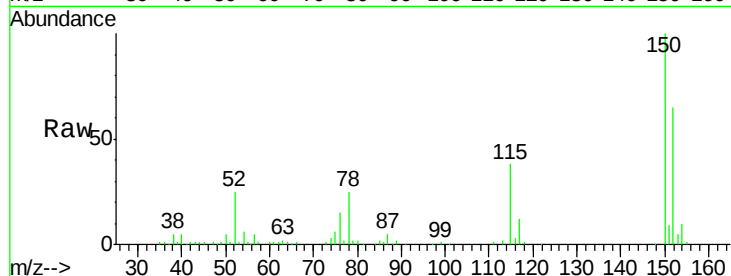


#1

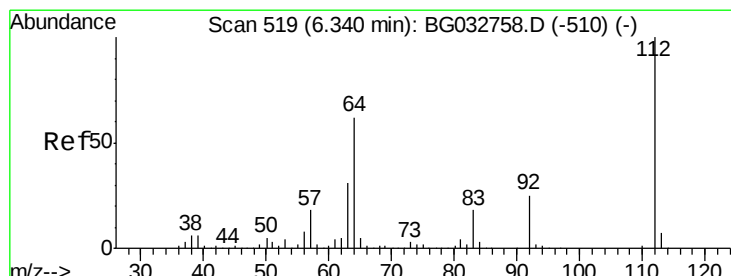
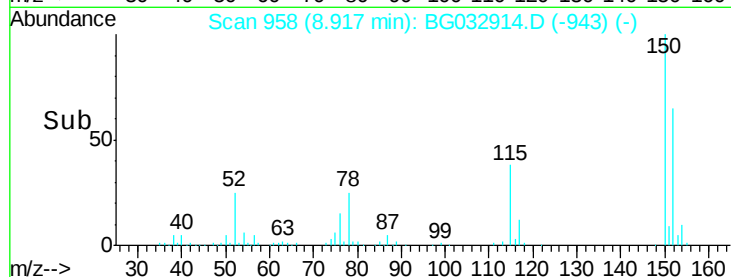
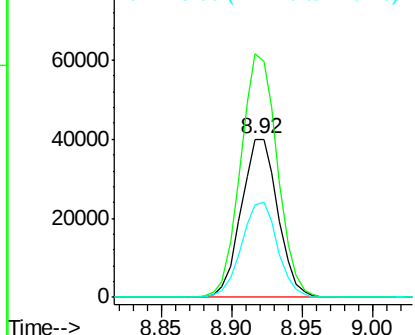
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.01 min
Lab File: BG032914.D
Acq: 1 Mar 2018 9:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 72648
Ion Ratio Lower Upper
152 100
150 153.8 126.6 189.8
115 58.2 53.0 79.4



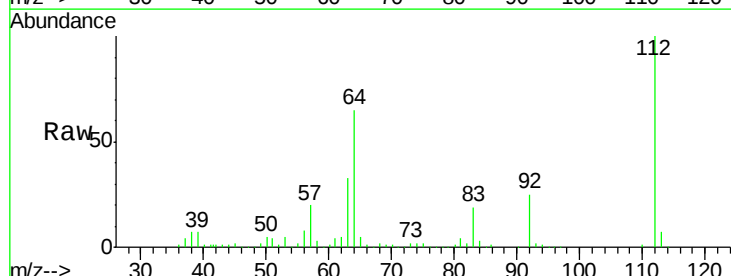
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



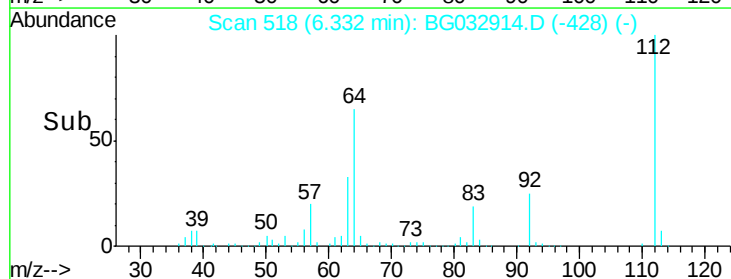
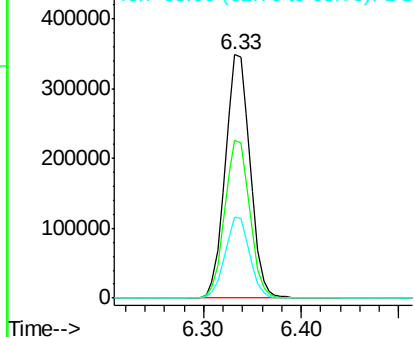
#5

2-Fluorophenol
Concen: 135.297 ng
RT: 6.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: BG032914.D
Acq: 1 Mar 2018 9:04

Tgt Ion:112 Resp: 614374
Ion Ratio Lower Upper
112 100
64 65.0 56.3 84.5
63 33.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 115.390 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032914.D

Acq: 1 Mar 2018 9:04

Instrument :

BNA_G

ClientSampleId :

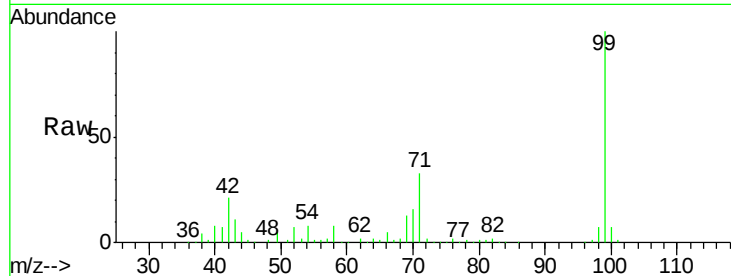
Tot Ion: 99 Resp: 730351

Ion Ratio Lower Upper

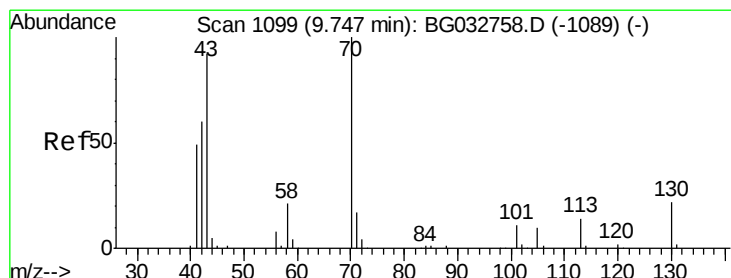
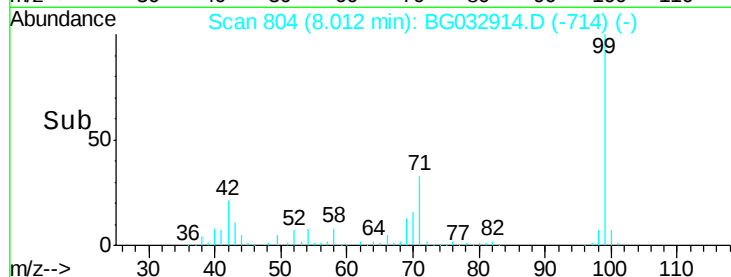
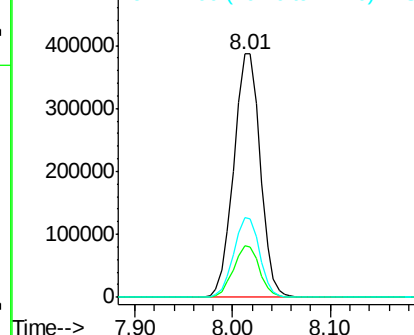
99 100

42 21.3 14.1 21.1#

71 32.6 26.1 39.1



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: 15.390 ng

RT: 10.12 min Scan# 1162

Delta R.T. 0.38 min

Lab File: BG032914.D

Acq: 1 Mar 2018 9:04

Tgt Ion: 70 Resp: 68769

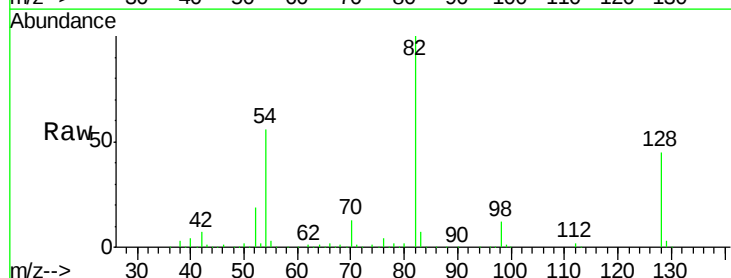
Ion Ratio Lower Upper

70 100

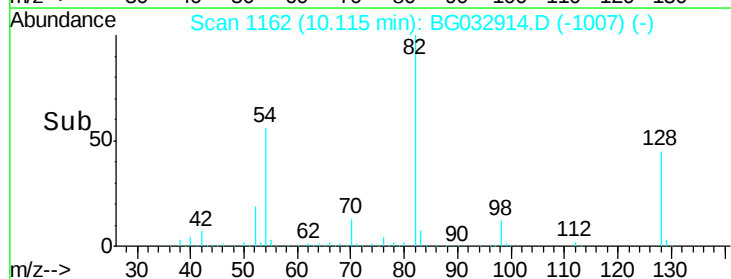
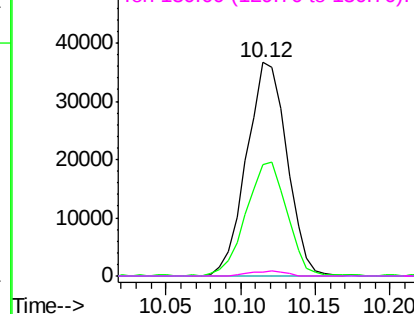
42 52.0 49.1 73.7

101 0.0 8.5 12.7#

130 2.0 13.4 20.0#



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

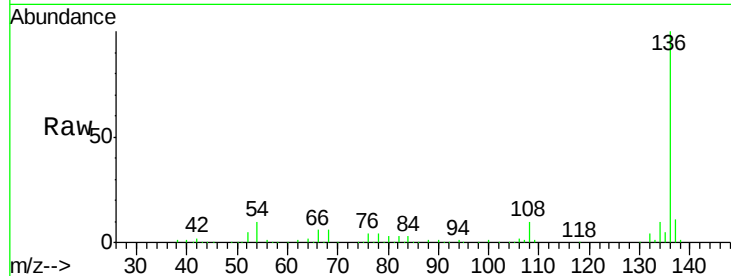




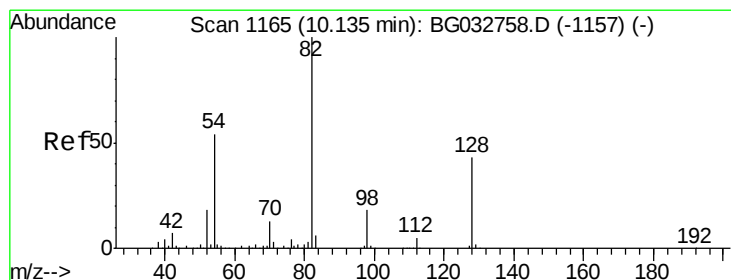
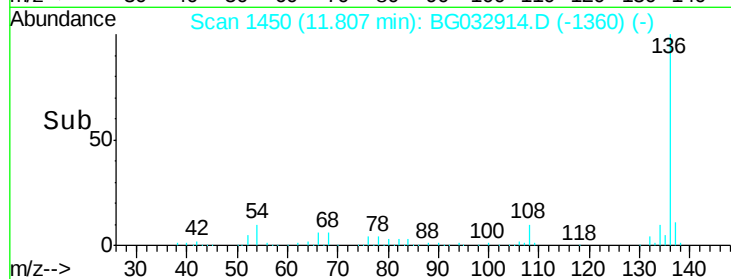
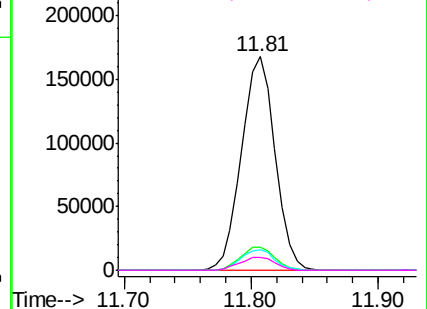
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032914.D
Acq: 1 Mar 2018 9:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	307172
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.2 13.8
54	9.5	10.3 15.5#
68	6.0	4.5 6.7

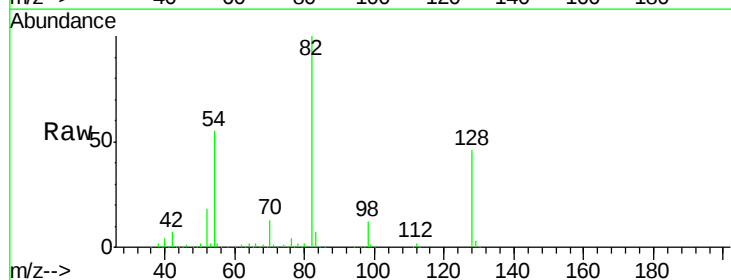


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

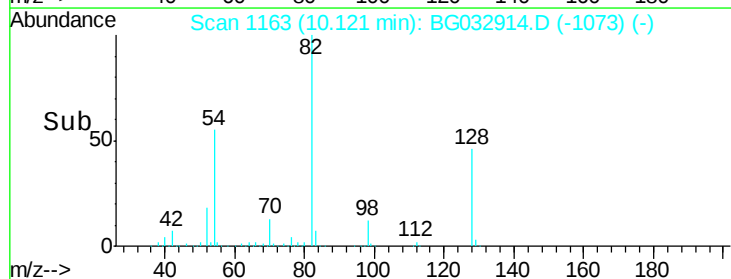
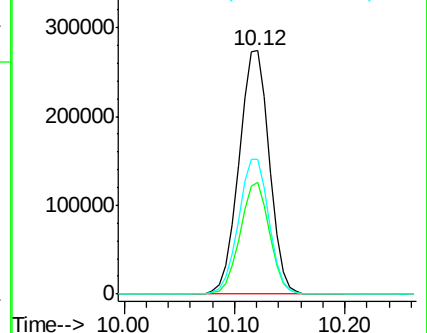


#23
Nitrobenzene-d5
Concen: 115.660 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032914.D
Acq: 1 Mar 2018 9:04

Tgt Ion: 82	Resp:	529877
Ion Ratio	Lower	Upper
82	100	
128	45.8	29.7 44.5#
54	55.3	43.1 64.7



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

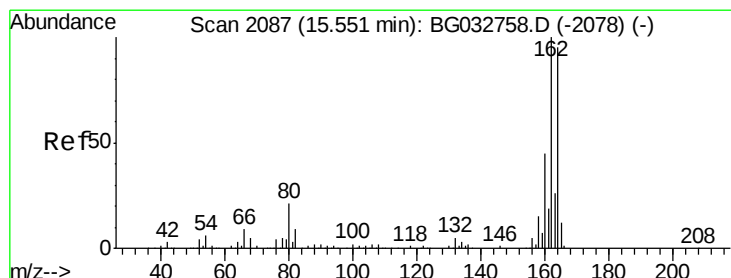
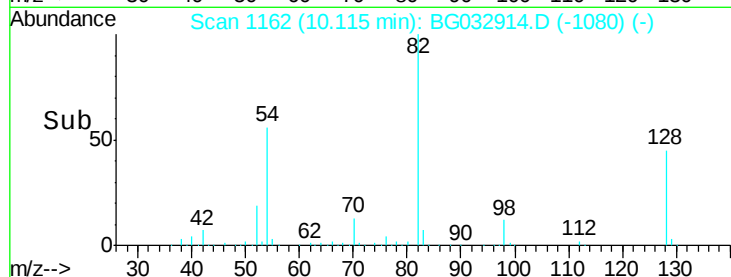
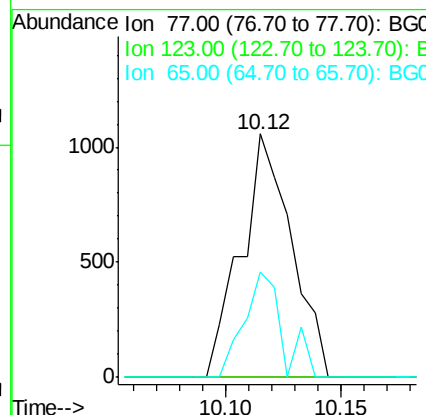
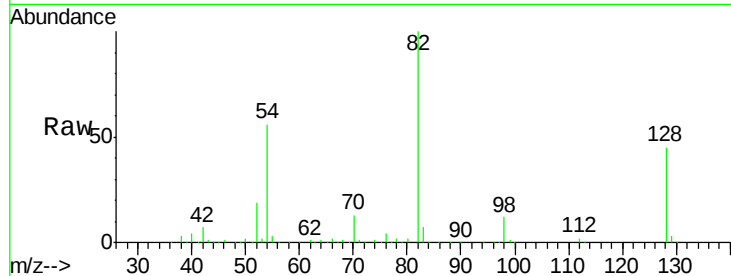




#24
 Nitrobenzene
 Concen: 6.664 ng
 RT: 10.12 min Scan# 1162
 Delta R.T. -0.05 min
 Lab File: BG032914.D
 Acq: 1 Mar 2018 9:04

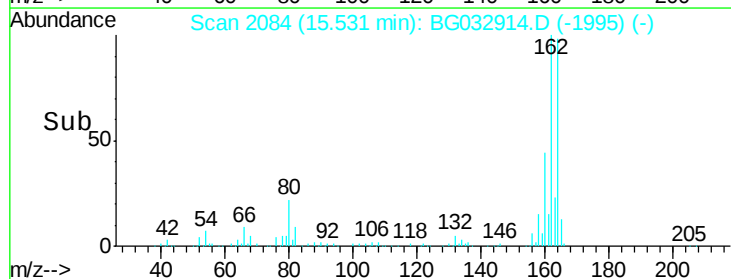
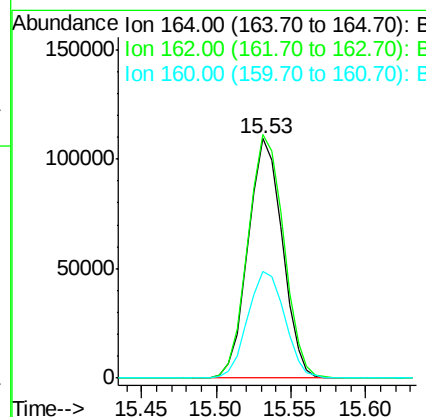
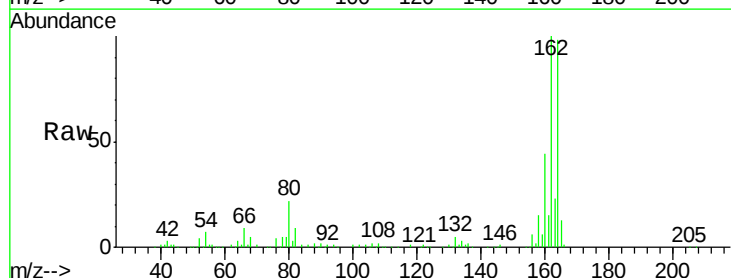
Instrument :
 BNA_G
 ClientSampleId :

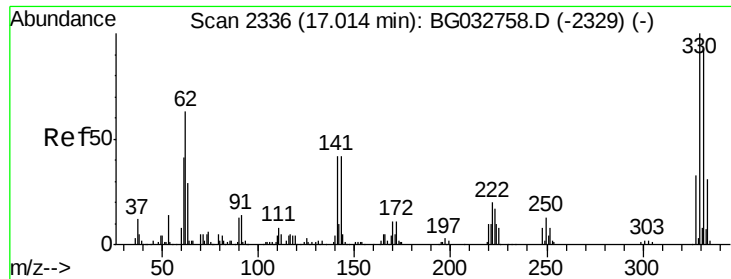
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	43.5	13.0	19.6#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. -0.01 min
 Lab File: BG032914.D
 Acq: 1 Mar 2018 9:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	78.8	118.2
160	44.4	35.4	53.0

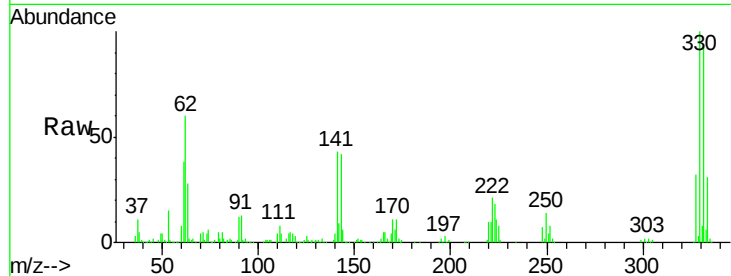




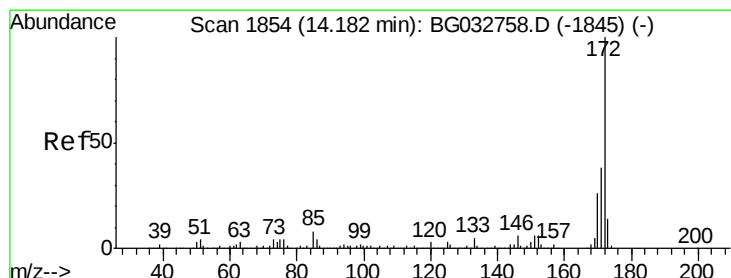
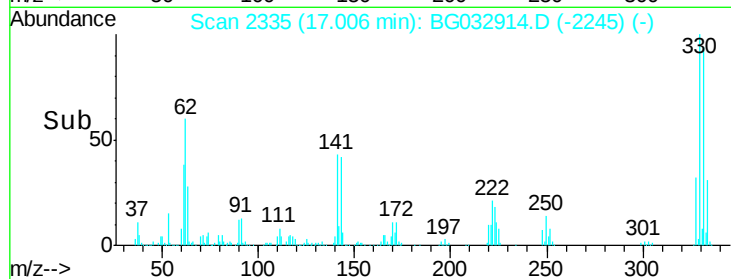
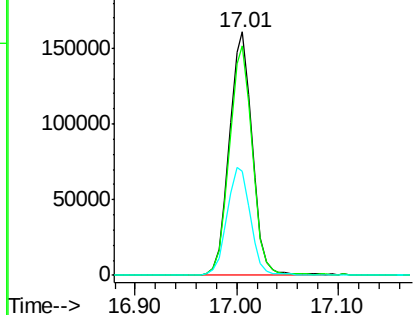
#41
 2,4,6-Tribromophenol
 Concen: 138.062 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. -0.00 min
 Lab File: BG032914.D
 Acq: 1 Mar 2018 9:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 252107
 Ion Ratio Lower Upper
 330 100
 332 94.2 77.0 115.6
 141 45.5 25.2 37.8#

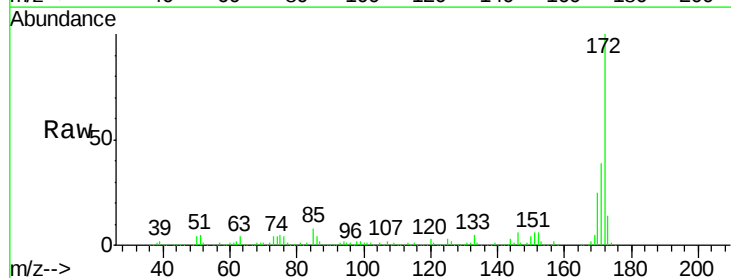


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

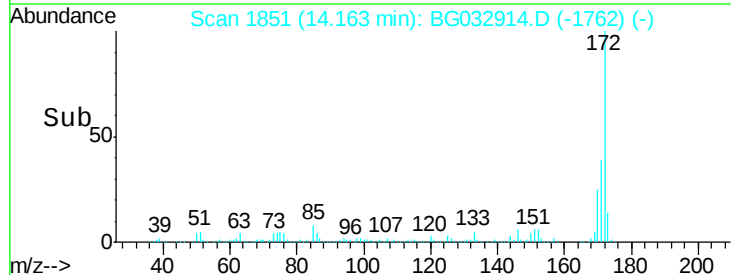
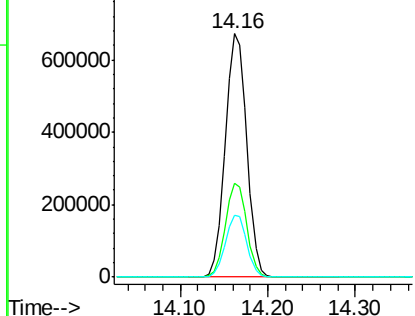


#44
 2-Fluorobiphenyl
 Concen: 93.818 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BG032914.D
 Acq: 1 Mar 2018 9:04

Tgt Ion:172 Resp: 1129692
 Ion Ratio Lower Upper
 172 100
 171 38.7 30.0 45.0
 170 25.3 19.5 29.3



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

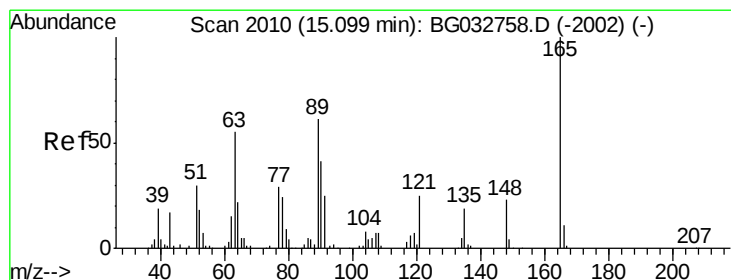
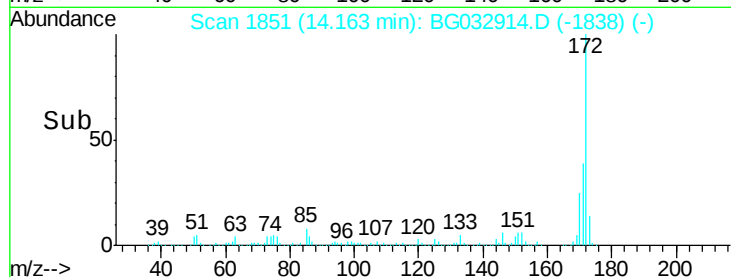
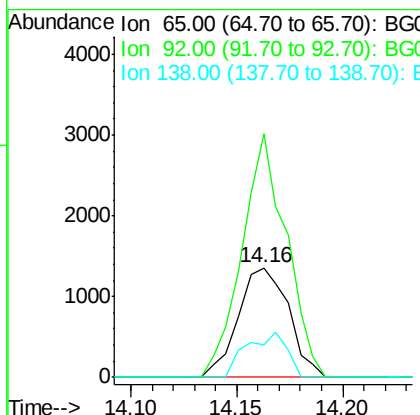
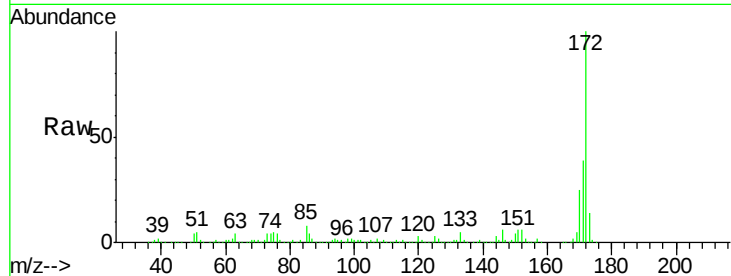




#47
 2-Nitroaniline
 Concen: 10.458 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.46 min
 Lab File: BG032914.D
 Acq: 1 Mar 2018 9:04

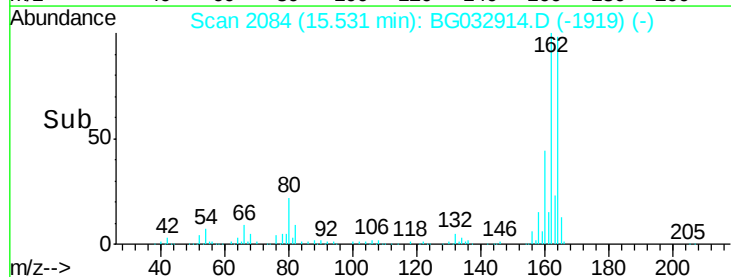
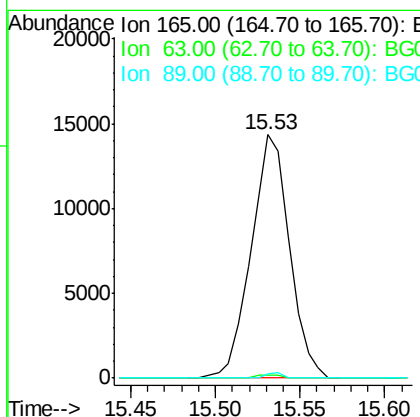
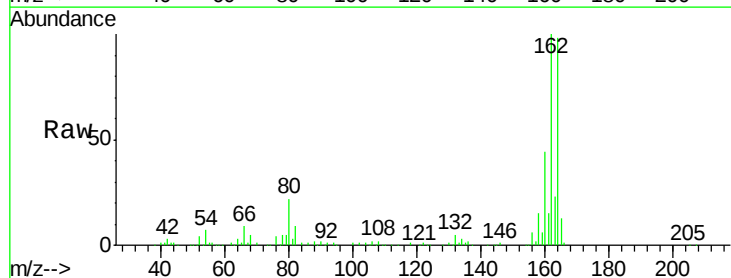
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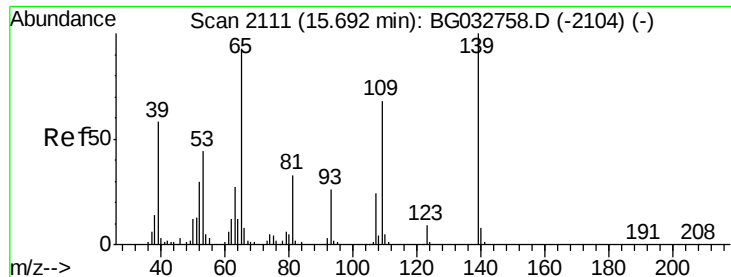
Tot Ion: 65 Resp: 2239
 Ion Ratio Lower Upper
 65 100
 92 222.1 54.6 82.0#
 138 29.8 72.9 109.3#



#50
 2,6-Dinitrotoluene
 Concen: 16.416 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. 0.44 min
 Lab File: BG032914.D
 Acq: 1 Mar 2018 9:04

Tgt Ion:165 Resp: 22525
 Ion Ratio Lower Upper
 165 100
 63 1.4 52.7 79.1#
 89 1.8 49.2 73.8#





#55

4-Nitrophenol

Concen: 7.352 ng

RT: 15.92 min Scan# 2150

Delta R.T. 0.23 min

Lab File: BG032914.D

Acq: 1 Mar 2018 9:04

Instrument :

BNA_G

ClientSampleId :

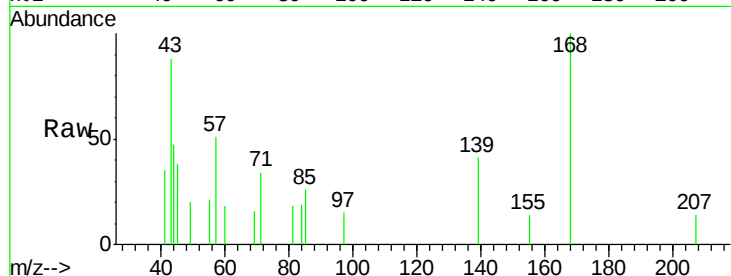
Tot Ion:139 Resp: 720

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

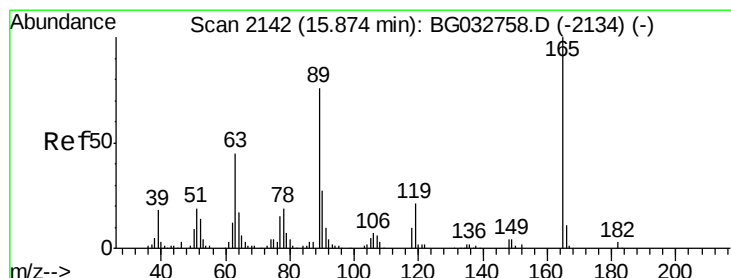
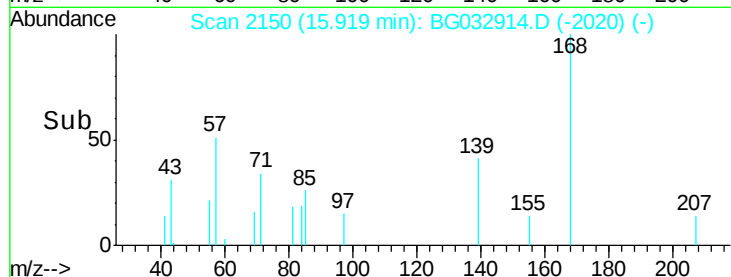
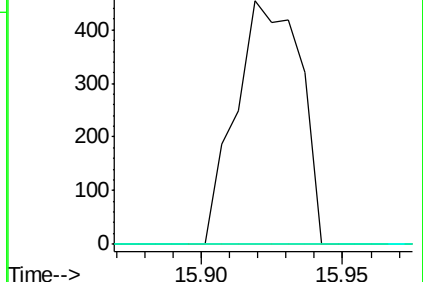
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 14.614 ng

RT: 15.53 min Scan# 2084

Delta R.T. -0.33 min

Lab File: BG032914.D

Acq: 1 Mar 2018 9:04

Tgt Ion:165 Resp: 22525

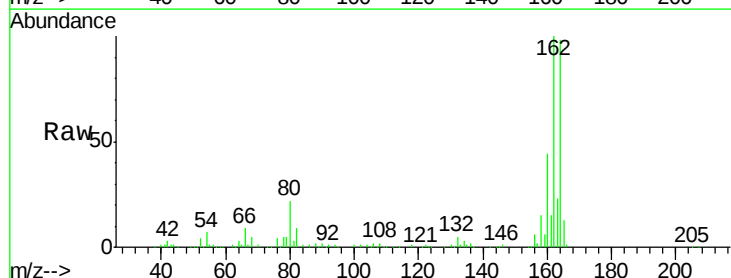
Ion Ratio Lower Upper

165 100

63 1.4 42.0 63.0#

89 1.8 66.9 100.3#

182 0.0 2.6 3.8#

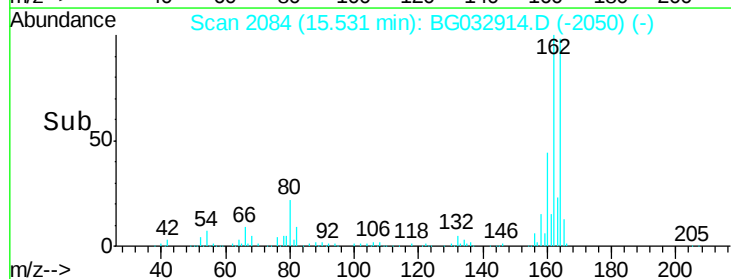
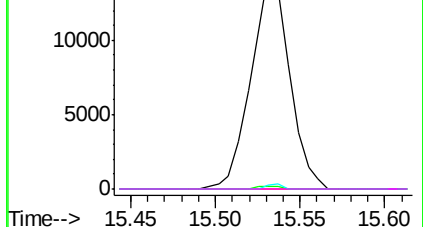


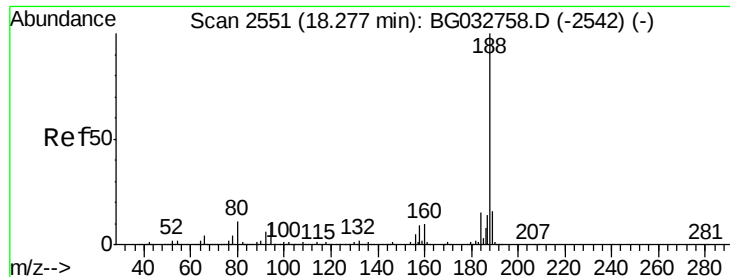
Abundance Ion 165.00 (164.70 to 165.70): E

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

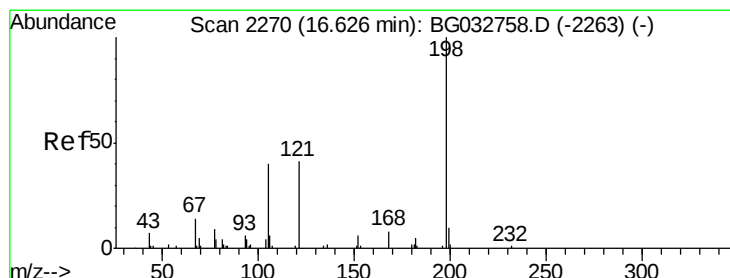
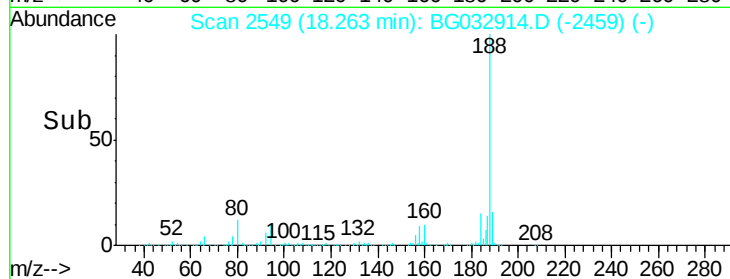
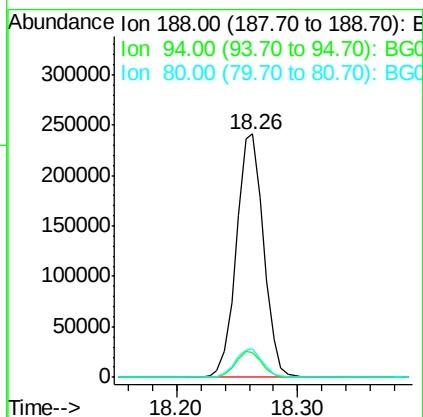
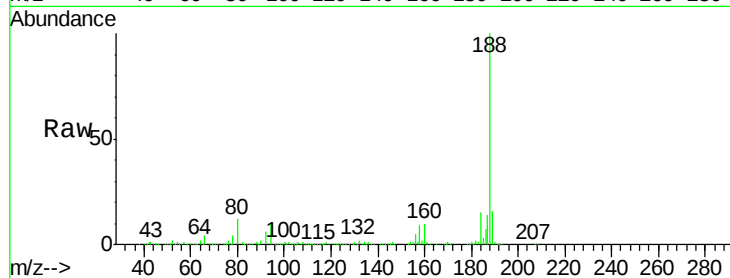




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2549
Delta R.T. -0.00 min
Lab File: BG032914.D
Acq: 1 Mar 2018 9:04

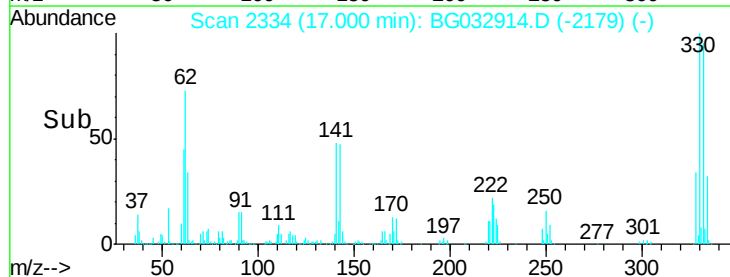
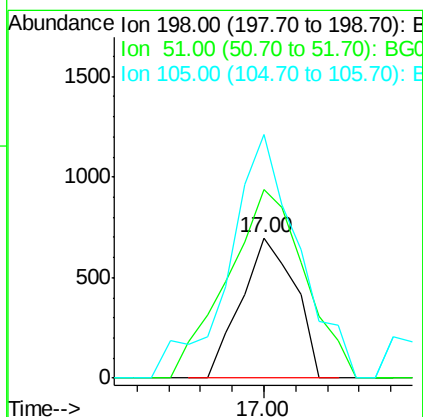
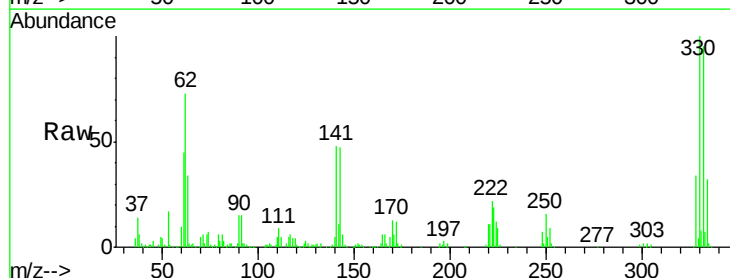
Instrument :
BNA_G
ClientSampleId :

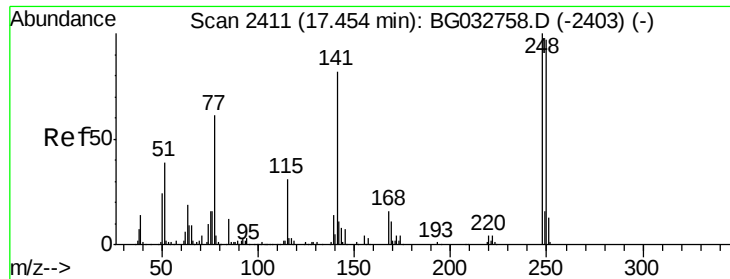
Tot Ion:188 Resp: 378913
Ion Ratio Lower Upper
188 100
94 10.3 6.9 10.3#
80 11.6 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.866 ng
RT: 17.00 min Scan# 2334
Delta R.T. 0.38 min
Lab File: BG032914.D
Acq: 1 Mar 2018 9:04

Tgt Ion:198 Resp: 819
Ion Ratio Lower Upper
198 100
51 133.9 30.6 70.6#
105 173.2 23.8 63.8#

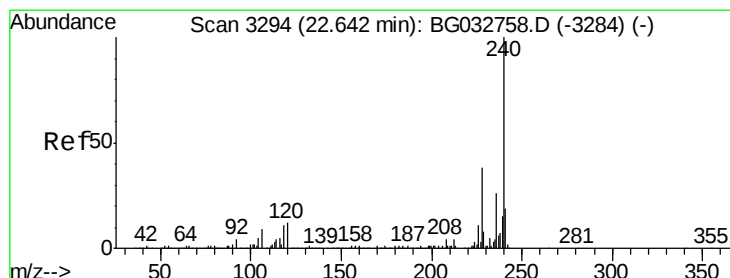
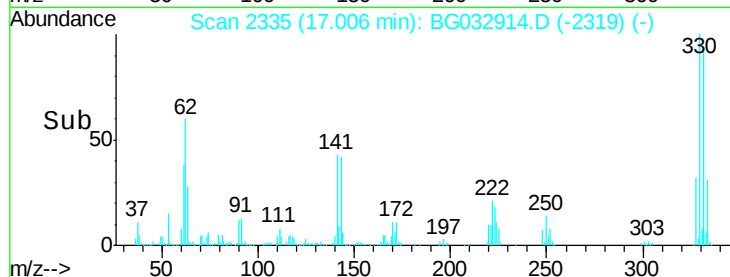
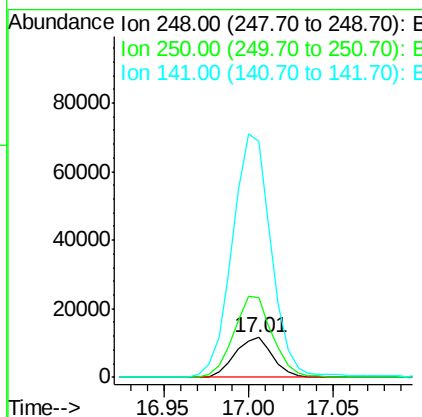
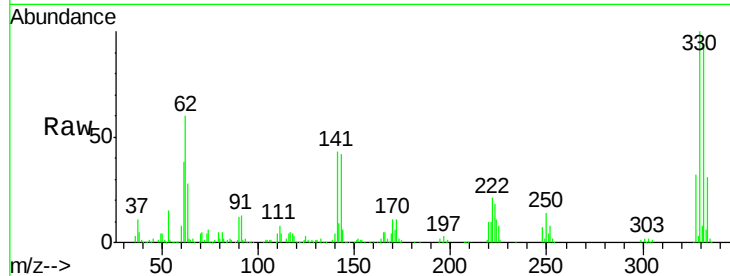




#66
 4-Bromophenyl-phenylether
 Concen: 4.518 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. -0.44 min
 Lab File: BG032914.D
 Acq: 1 Mar 2018 9:04

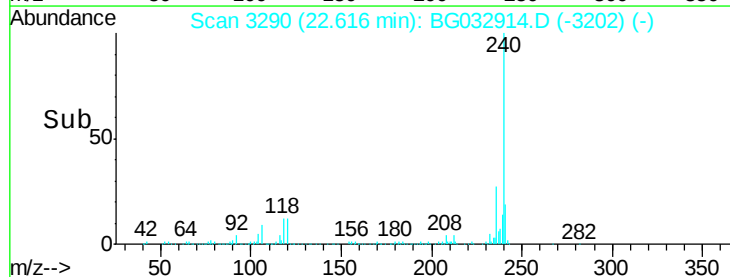
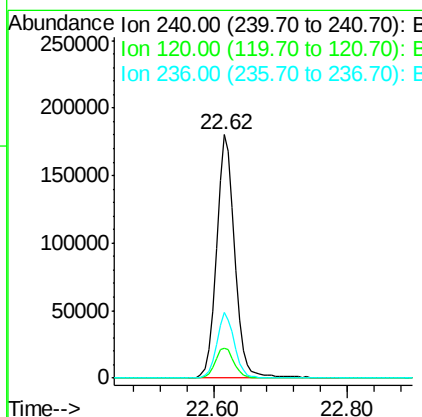
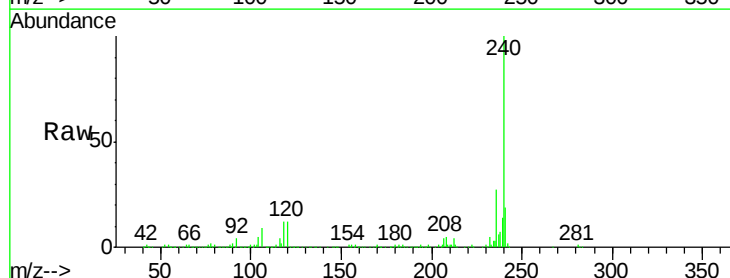
Instrument :
 BNA_G
 ClientSampled :

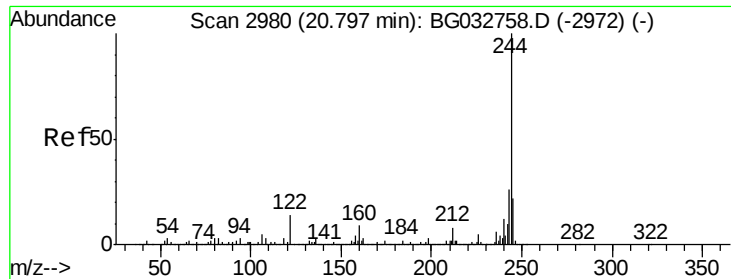
Tot Ion:248 Resp: 18102
 Ion Ratio Lower Upper
 248 100
 250 200.3 77.1 115.7#
 141 595.5 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.62 min Scan# 3290
 Delta R.T. -0.02 min
 Lab File: BG032914.D
 Acq: 1 Mar 2018 9:04

Tgt Ion:240 Resp: 347423
 Ion Ratio Lower Upper
 240 100
 120 12.3 6.8 10.2#
 236 27.1 20.9 31.3





#78

Terphenyl-d14

Concen: 102.001 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BG032914.D

Acq: 1 Mar 2018 9:04

Instrument :

BNA_G

ClientSampled :

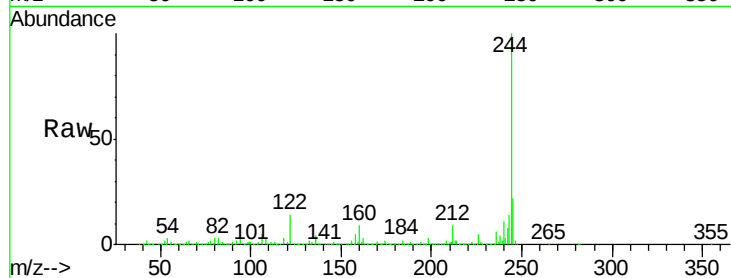
Tot Ion:244 Resp: 1577288

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

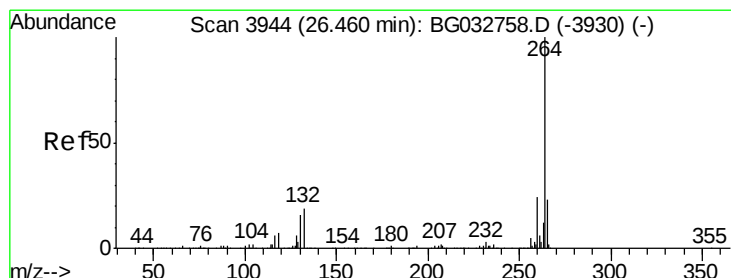
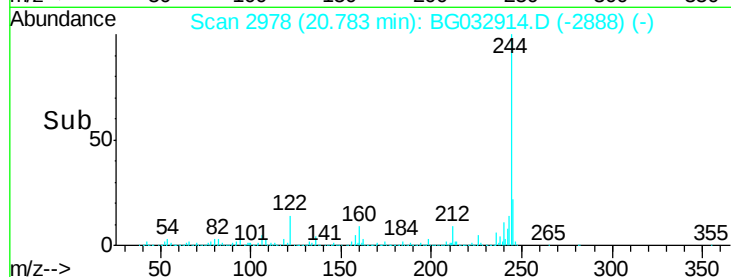
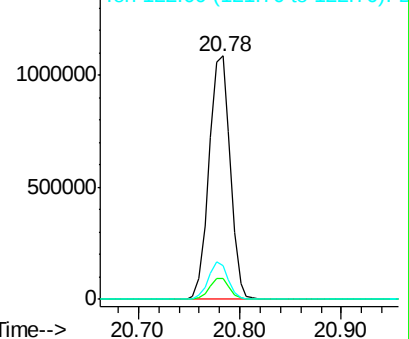
122 13.9 7.0 10.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.43 min Scan# 3939

Delta R.T. -0.01 min

Lab File: BG032914.D

Acq: 1 Mar 2018 9:04

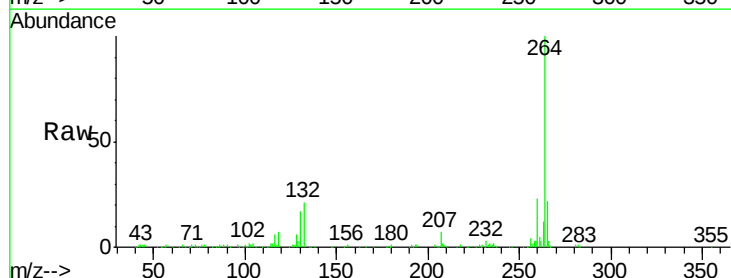
Tgt Ion:264 Resp: 328442

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 22.3 17.7 26.5



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

