

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022818\
 Data File : BG032905.D
 Acq On : 1 Mar 2018 2:07
 Operator : SJ/JU
 Sample : PB106927TB
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 02:49:37 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

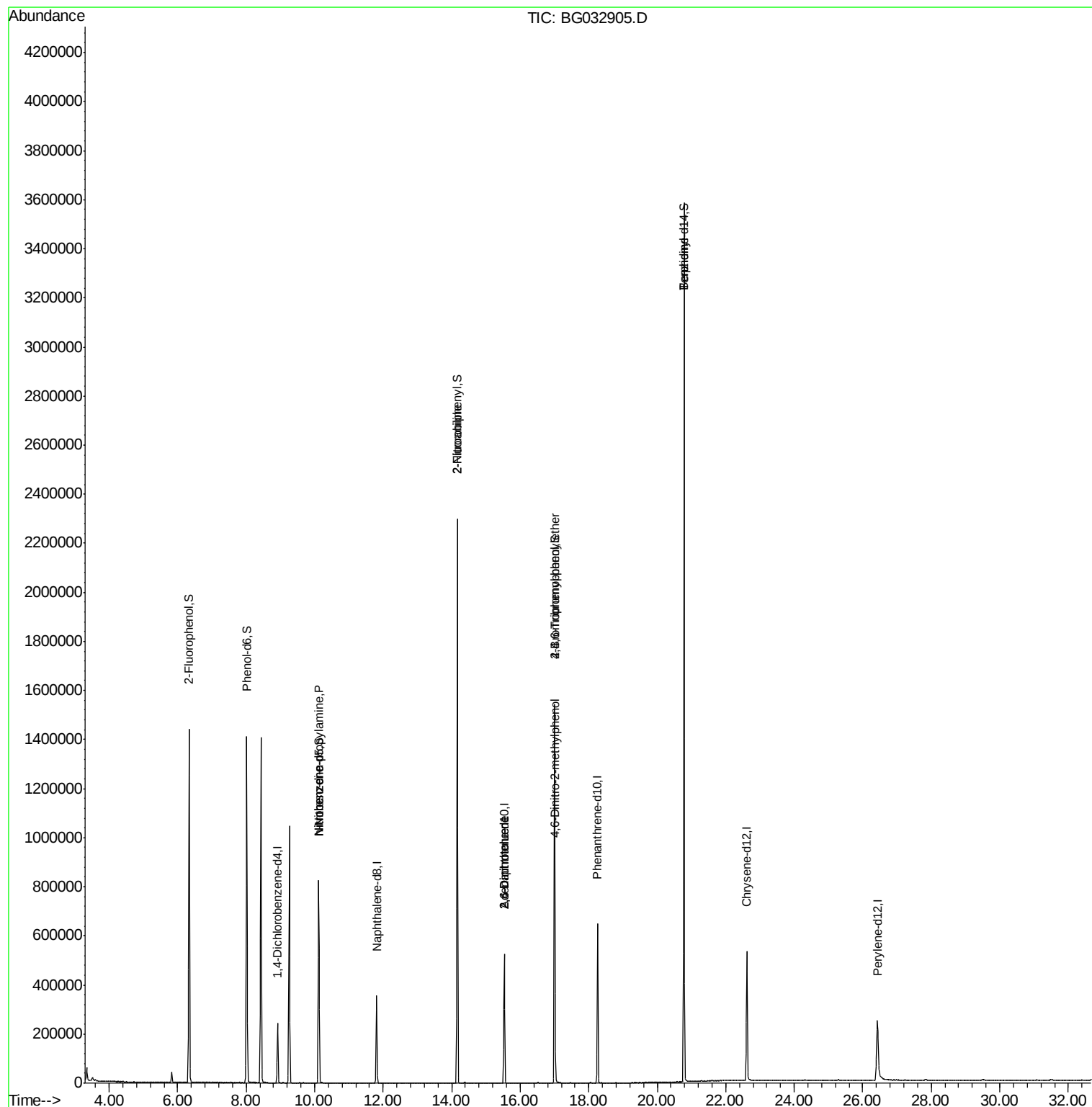
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	73028	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	324346	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	180579	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	391850	20.00	ng	0.00
75) Chrysene-d12	22.62	240	352478	20.00	ng	-0.01
86) Perylene-d12	26.42	264	347841	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	690549	151.28	ng	0.00
7) Phenol-d6	8.01	99	901851	141.74	ng	0.00
23) Nitrobenzene-d5	10.12	82	516273	107.49	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	267293	140.77	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1168610	93.33	ng	0.00
78) Terphenyl-d14	20.78	244	1547365	98.63	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	66489	14.802	ng	# 81
24) Nitrobenzene	10.12	77	1358	6.608	ng	# 36
47) 2-Nitroaniline	14.16	65	2214	10.428	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	23839	16.550	ng	# 20
56) 2,4-Dinitrotoluene	15.53	165	23839	14.749	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.02	198	1099	6.137	ng	# 78
66) 4-Bromophenyl-phenylether	17.00	248	19361	4.673	ng	# 1
76) Benzidine	20.78	184	27487	2.288	ng	# 91

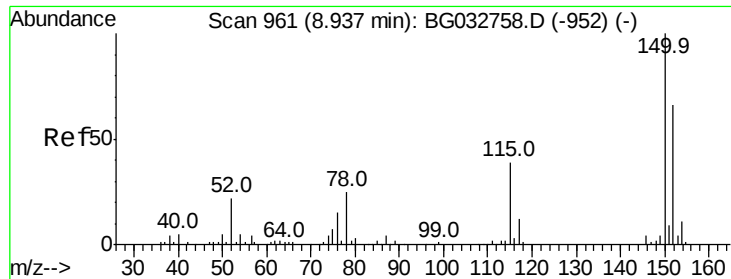
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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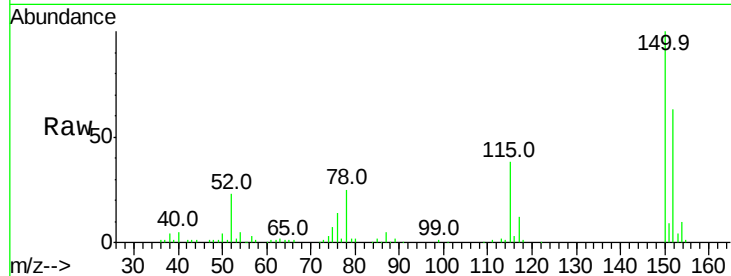


#1

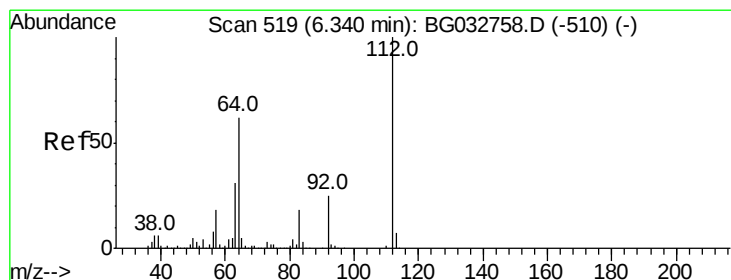
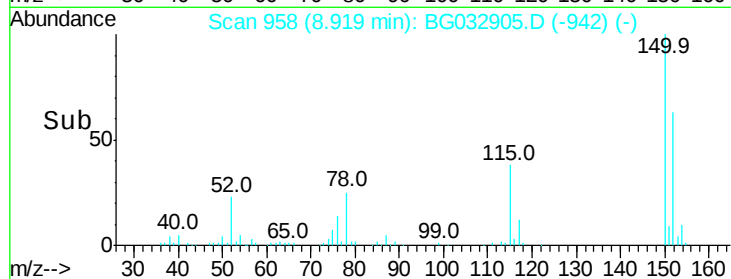
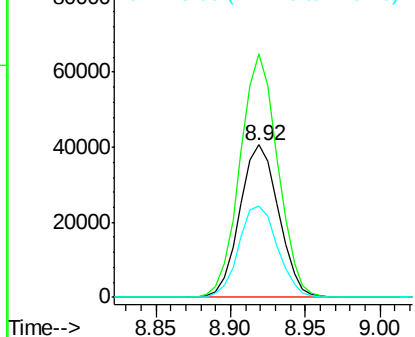
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.01 min
Lab File: BG032905.D
Acq: 1 Mar 2018 2:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 73028
Ion Ratio Lower Upper
152 100
150 159.9 126.6 189.8
115 60.3 53.0 79.4



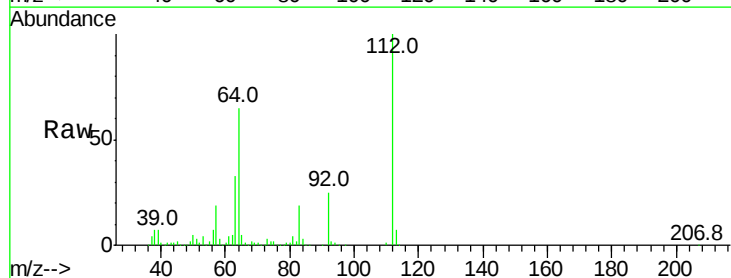
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



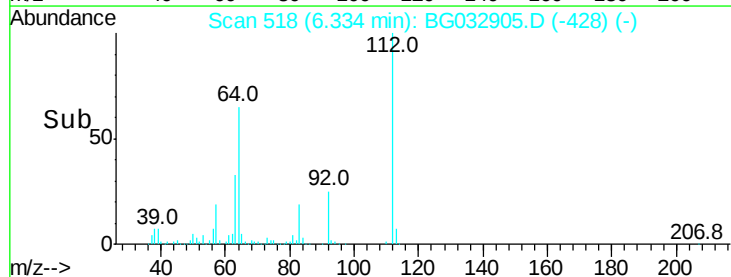
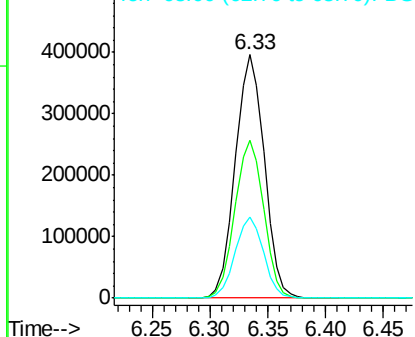
#5

2-Fluorophenol
Concen: 151.281 ng
RT: 6.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: BG032905.D
Acq: 1 Mar 2018 2:07

Tgt Ion:112 Resp: 690549
Ion Ratio Lower Upper
112 100
64 64.8 56.3 84.5
63 33.4 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: 141.745 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032905.D

Acq: 1 Mar 2018 2:07

Instrument :

BNA_G

ClientSampleId :

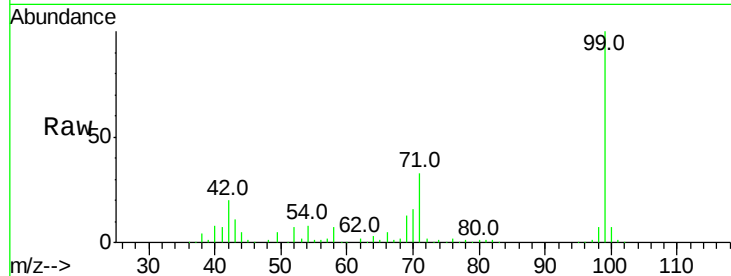
Tot Ion: 99 Resp: 901851

Ion Ratio Lower Upper

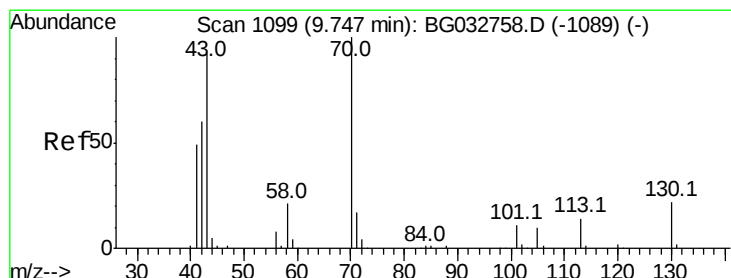
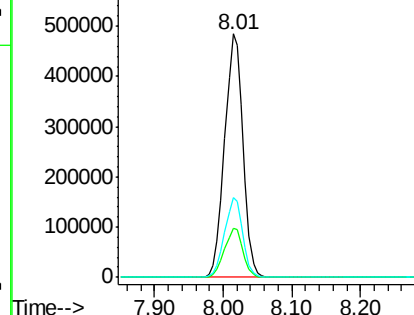
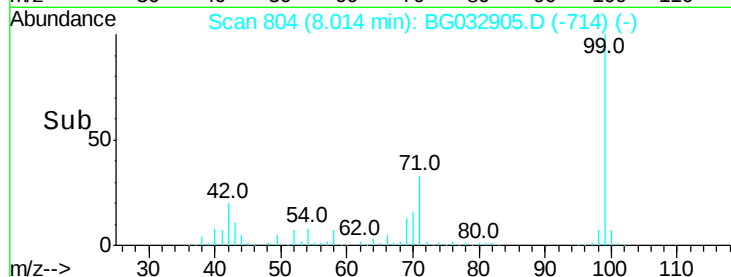
99 100

42 19.9 14.1 21.1

71 32.7 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: 14.802 ng

RT: 10.12 min Scan# 1162

Delta R.T. 0.38 min

Lab File: BG032905.D

Acq: 1 Mar 2018 2:07

Tgt Ion: 70 Resp: 66489

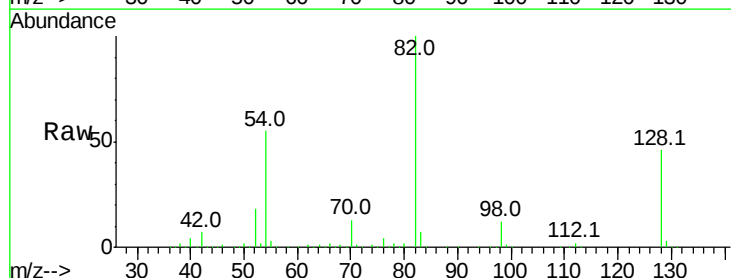
Ion Ratio Lower Upper

70 100

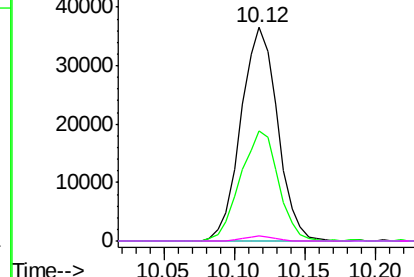
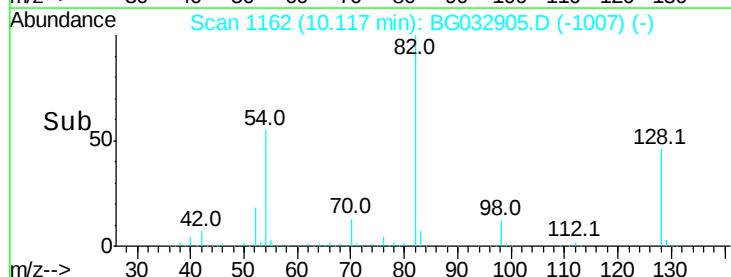
42 51.5 49.1 73.7

101 0.0 8.5 12.7#

130 2.5 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

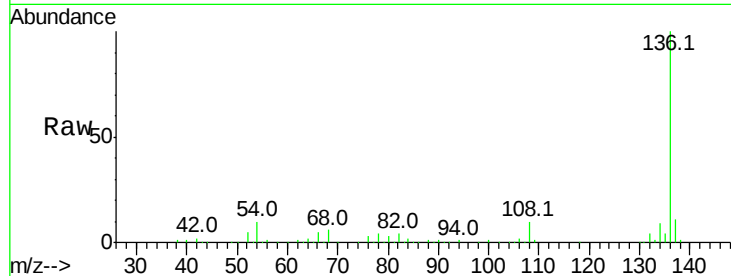




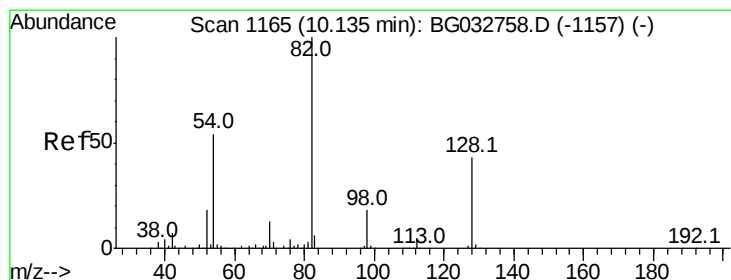
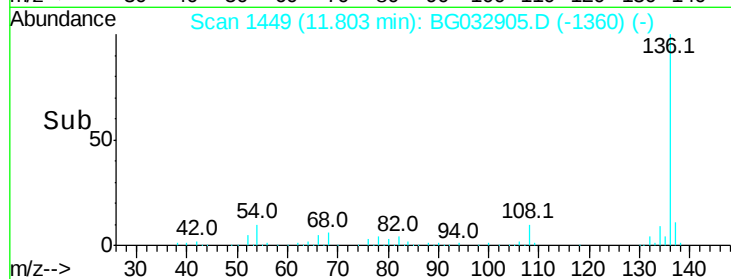
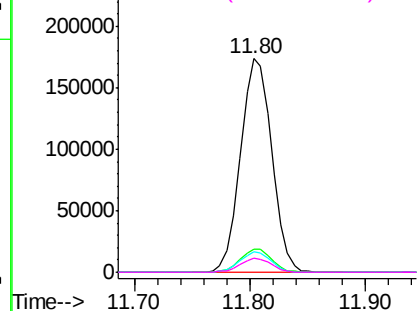
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BG032905.D
Acq: 1 Mar 2018 2:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	324346
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	9.8	10.3	15.5#
68	6.3	4.5	6.7

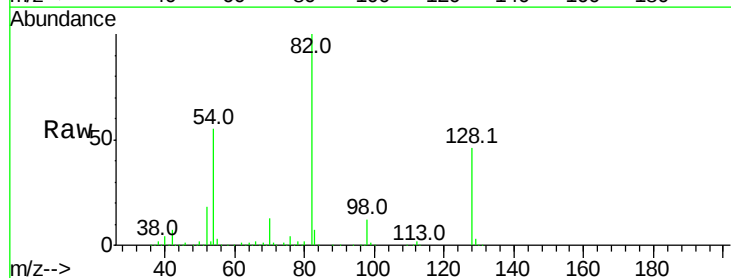


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

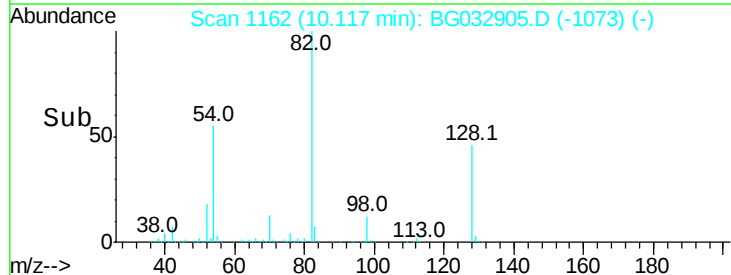
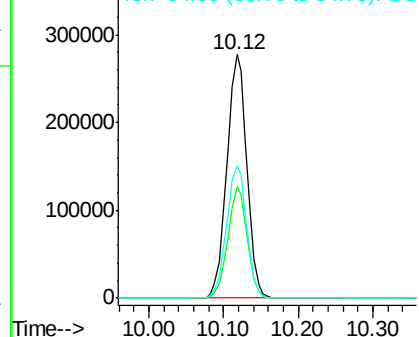


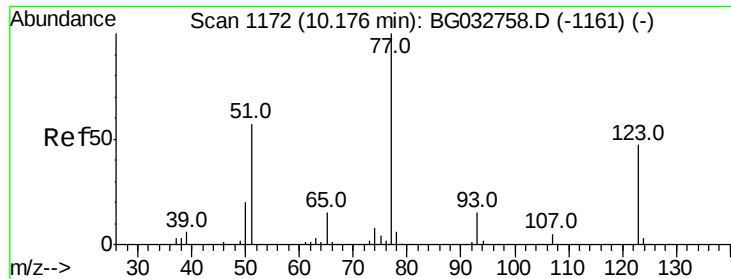
#23
Nitrobenzene-d5
Concen: 107.490 ng
RT: 10.12 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BG032905.D
Acq: 1 Mar 2018 2:07

Tgt Ion:	82	Resp:	516273
Ion	Ratio	Lower	Upper
82	100		
128	46.0	29.7	44.5#
54	54.6	43.1	64.7



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





#24

Nitrobenzene

Concen: 6.608 ng

RT: 10.12 min Scan# 1163

Delta R.T. -0.04 min

Lab File: BG032905.D

Acq: 1 Mar 2018 2:07

Instrument :

BNA_G

ClientSampleId :

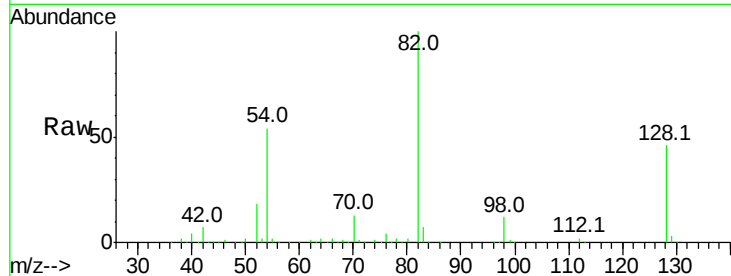
Tot Ion: 77 Resp: 1358

Ion Ratio Lower Upper

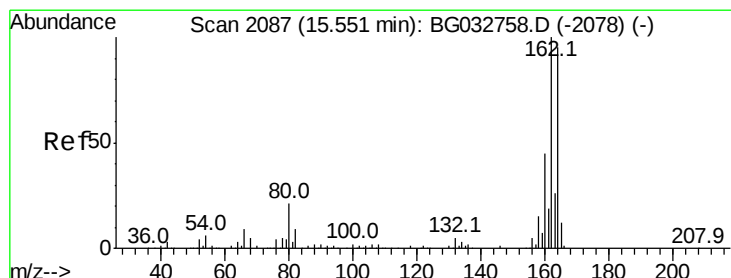
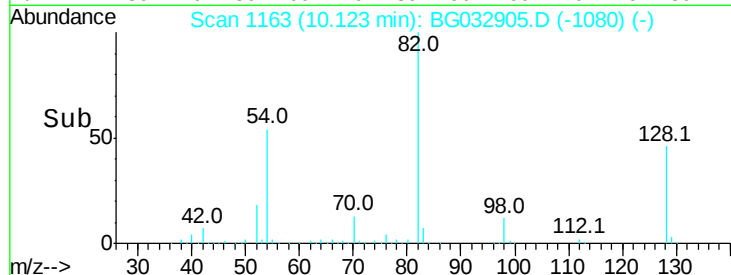
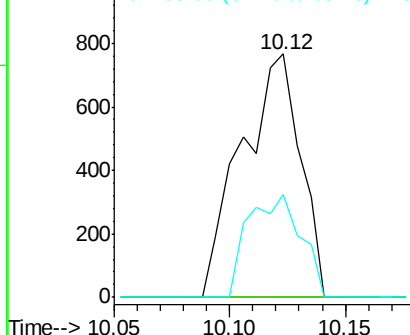
77 100

123 0.0 33.0 49.6#

65 42.1 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2084

Delta R.T. -0.01 min

Lab File: BG032905.D

Acq: 1 Mar 2018 2:07

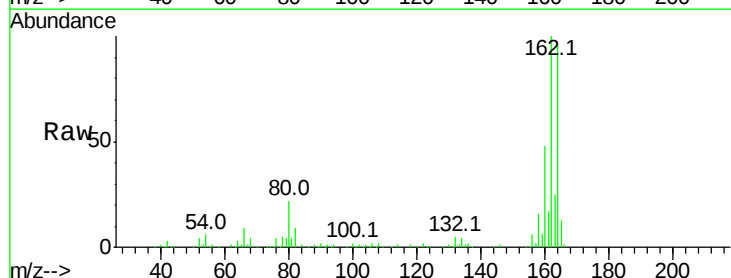
Tgt Ion:164 Resp: 180579

Ion Ratio Lower Upper

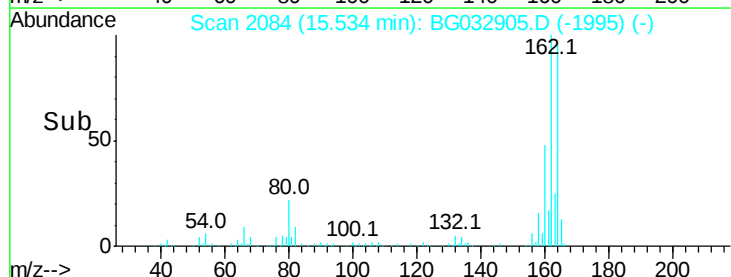
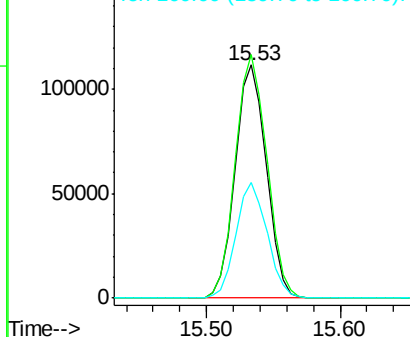
164 100

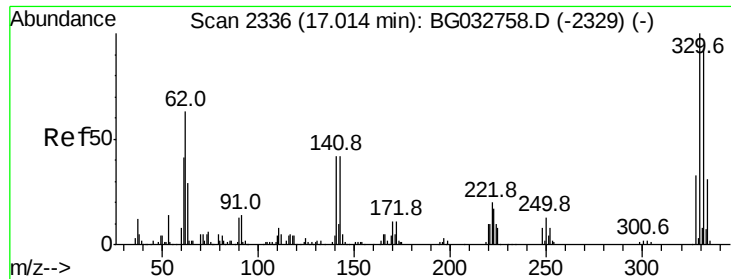
162 104.5 78.8 118.2

160 49.9 35.4 53.0



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

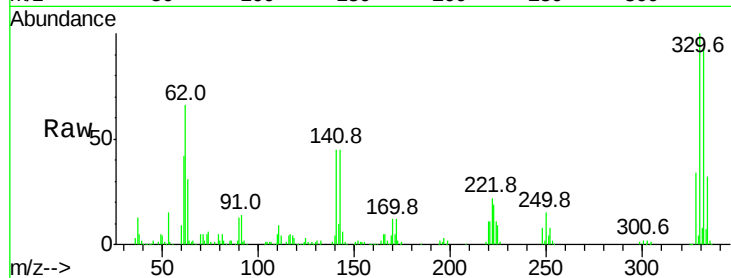




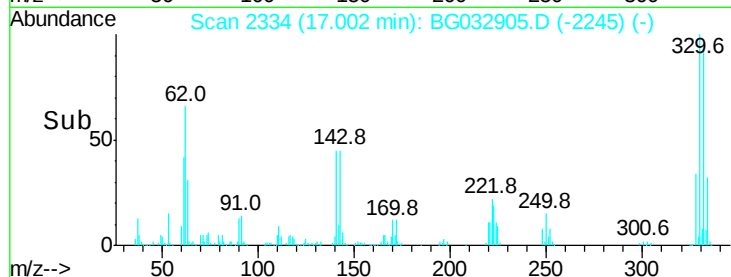
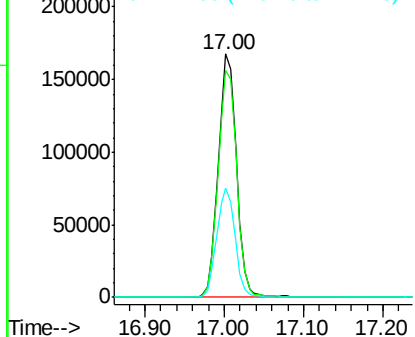
#41
 2,4,6-Tribromophenol
 Concen: 140.775 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.01 min
 Lab File: BG032905.D
 Acq: 1 Mar 2018 2:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 267293
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 44.9 25.2 37.8#

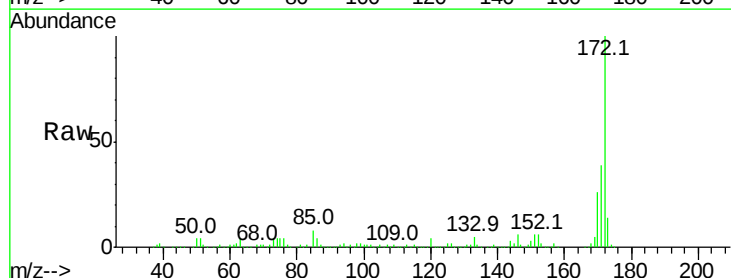


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

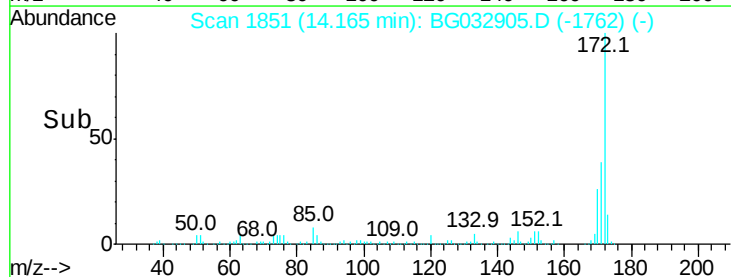
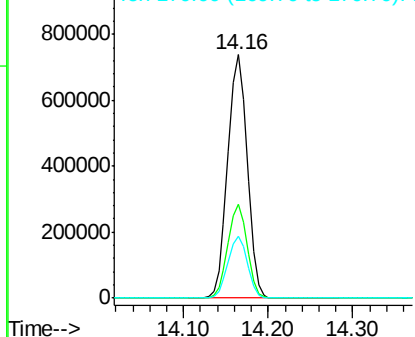


#44
 2-Fluorobiphenyl
 Concen: 93.335 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BG032905.D
 Acq: 1 Mar 2018 2:07

Tgt Ion:172 Resp: 1168610
 Ion Ratio Lower Upper
 172 100
 171 38.7 30.0 45.0
 170 25.6 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: 10.428 ng

RT: 14.16 min Scan# 1851

Delta R.T. -0.45 min

Lab File: BG032905.D

Acq: 1 Mar 2018 2:07

Instrument :

BNA_G

ClientSampled :

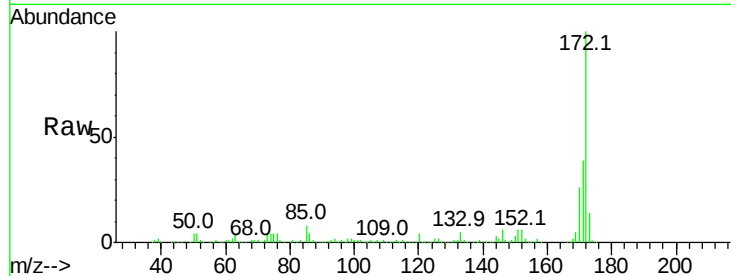
Tot Ion: 65 Resp: 2214

Ion Ratio Lower Upper

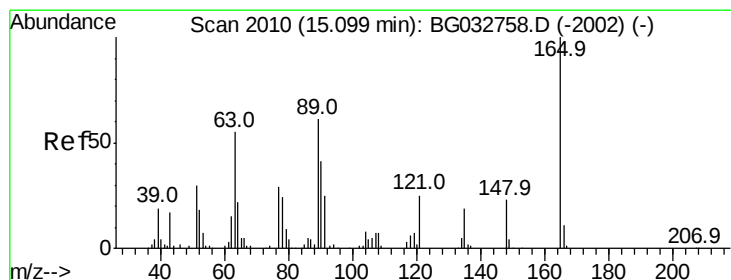
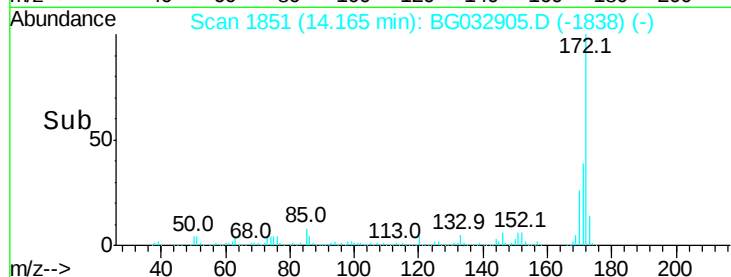
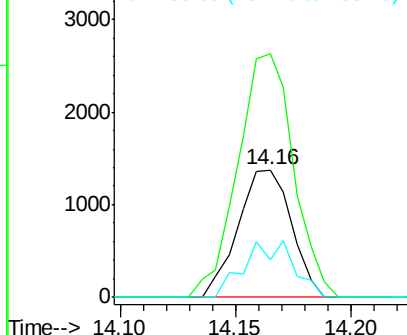
65 100

92 190.6 54.6 82.0#

138 29.1 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#50

2,6-Dinitrotoluene

Concen: 16.550 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.44 min

Lab File: BG032905.D

Acq: 1 Mar 2018 2:07

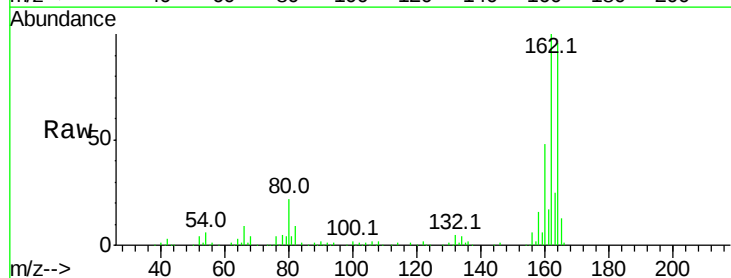
Tgt Ion:165 Resp: 23839

Ion Ratio Lower Upper

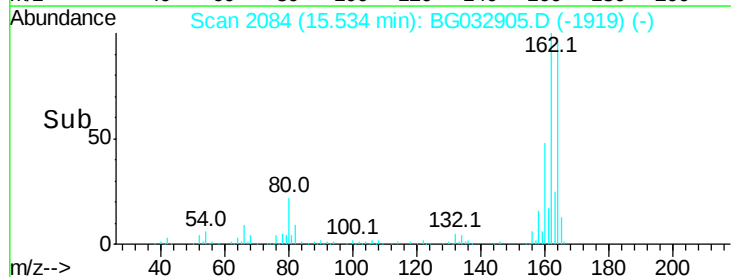
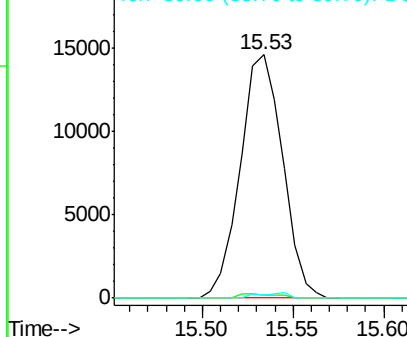
165 100

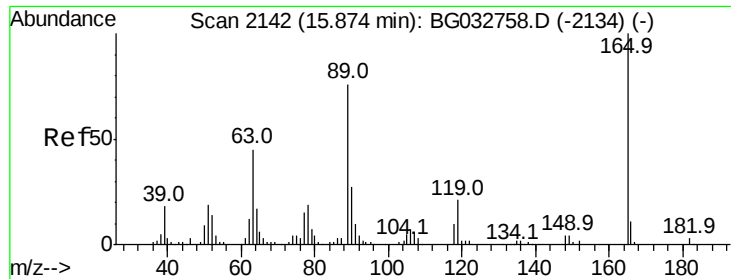
63 1.2 52.7 79.1#

89 1.4 49.2 73.8#



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

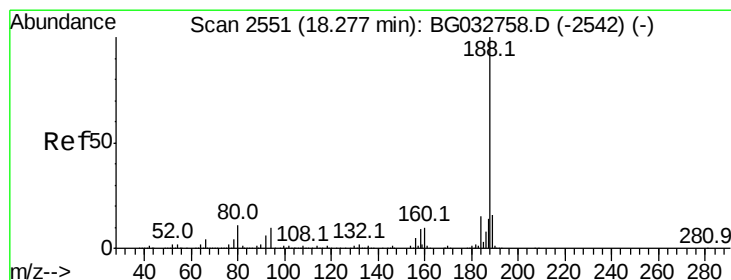
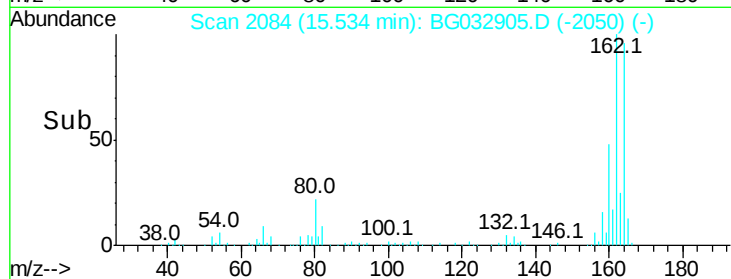
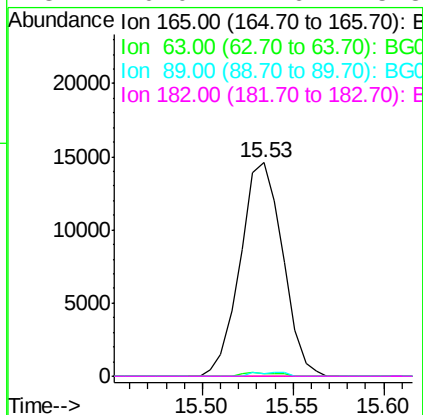
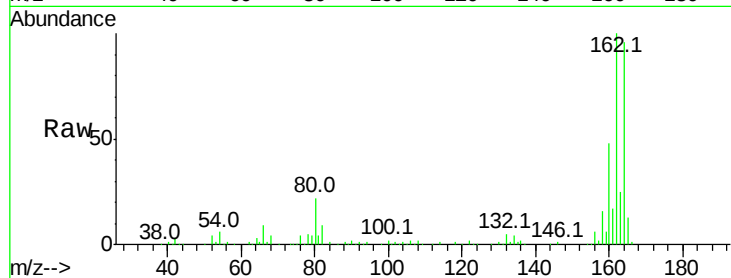




#56
 2,4-Dinitrotoluene
 Concen: 14.749 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. -0.33 min
 Lab File: BG032905.D
 Acq: 1 Mar 2018 2:07

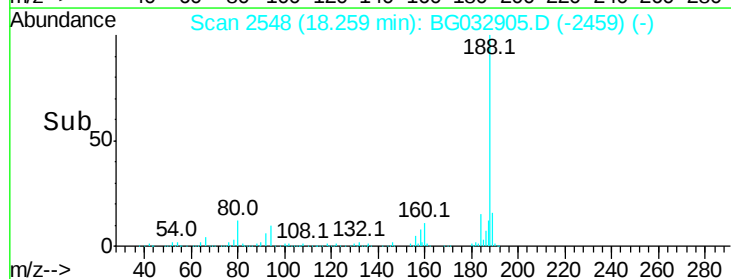
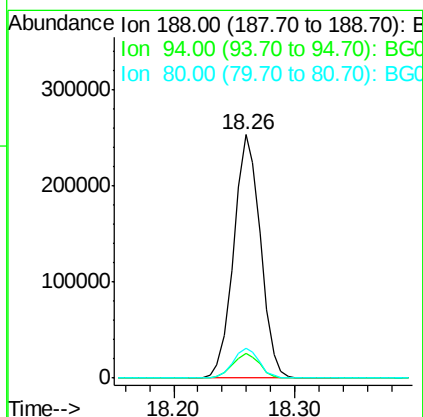
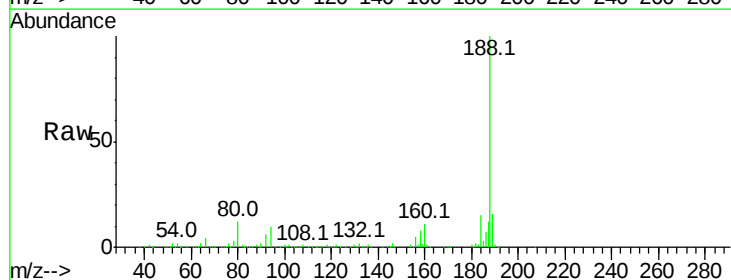
Instrument :
 BNA_G
 ClientSampleId :

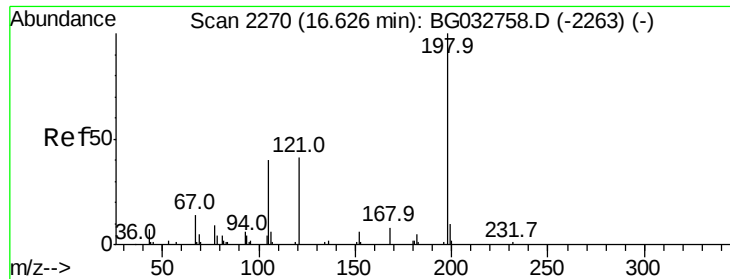
Tot Ion:165	Resp:	23839
Ion Ratio	Lower	Upper
165 100		
63 1.2	42.0	63.0#
89 1.4	66.9	100.3#
182 0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BG032905.D
 Acq: 1 Mar 2018 2:07

Tgt Ion	188	Resp: Lower	391850
	Ratio		Upper
188	100		
94	10.3	6.9	10.3
80	12.1	7.7	11.5#

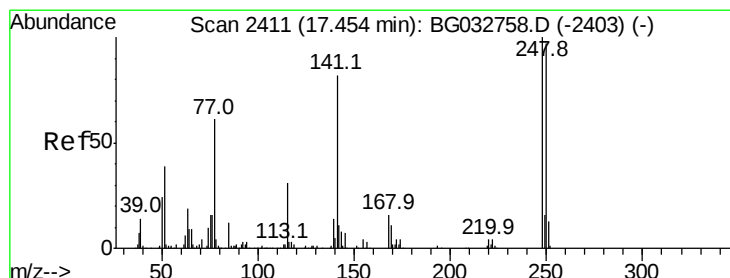
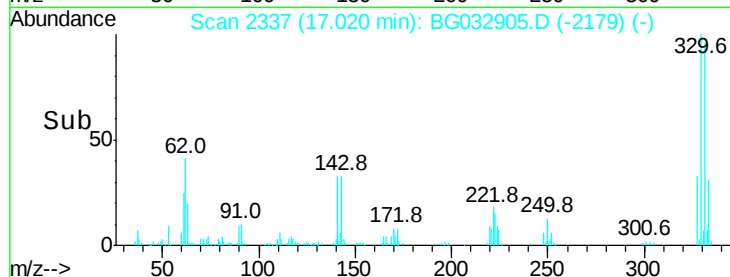
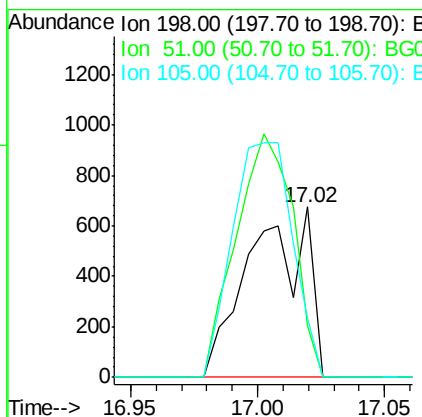
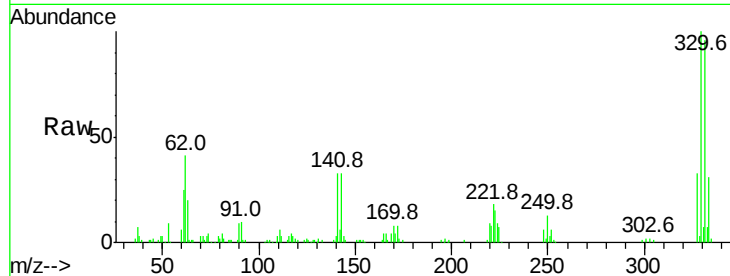




#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.137 ng
 RT: 17.02 min Scan# 2337
 Delta R.T. 0.40 min
 Lab File: BG032905.D
 Acq: 1 Mar 2018 2:07

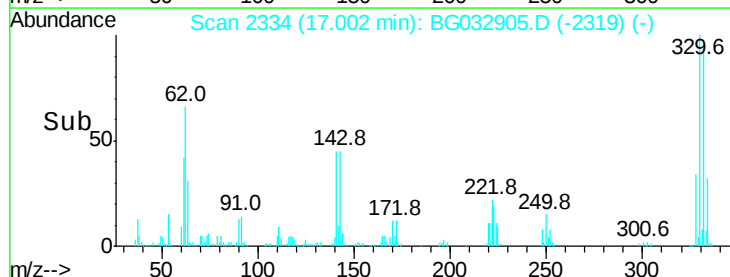
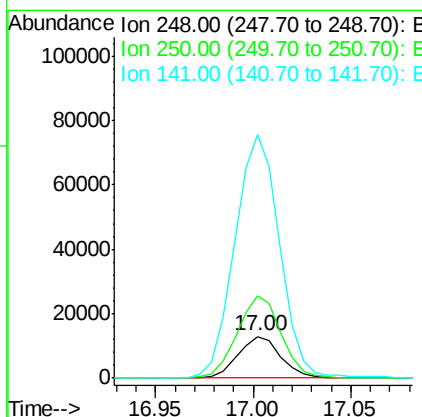
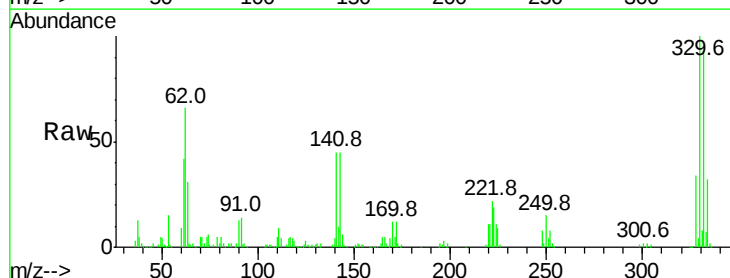
Instrument :
 BNA_G
 ClientSampleId :

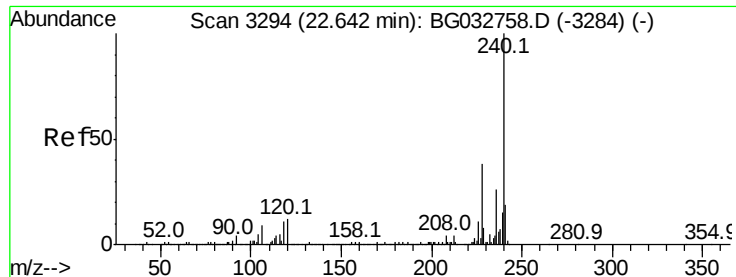
Tot Ion:198 Resp: 1099
 Ion Ratio Lower Upper
 198 100
 51 30.6 30.6 70.6#
 105 35.0 23.8 63.8



#66
 4-Bromophenyl-phenylether
 Concen: 4.673 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.44 min
 Lab File: BG032905.D
 Acq: 1 Mar 2018 2:07

Tgt Ion:248 Resp: 19361
 Ion Ratio Lower Upper
 248 100
 250 196.0 77.1 115.7#
 141 582.0 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.62 min Scan# 3290

Delta R.T. -0.01 min

Lab File: BG032905.D

Acq: 1 Mar 2018 2:07

Instrument :

BNA_G

ClientSampleId :

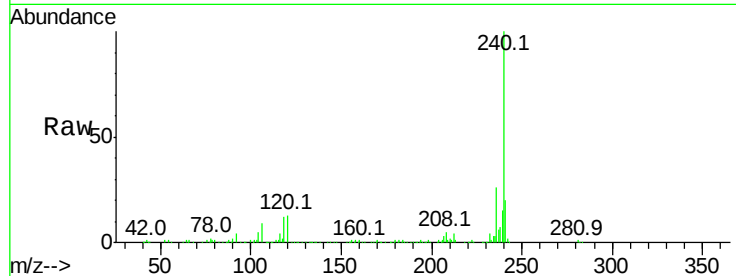
Tot Ion:240 Resp: 352478

Ion Ratio Lower Upper

240 100

120 13.2 6.8 10.2#

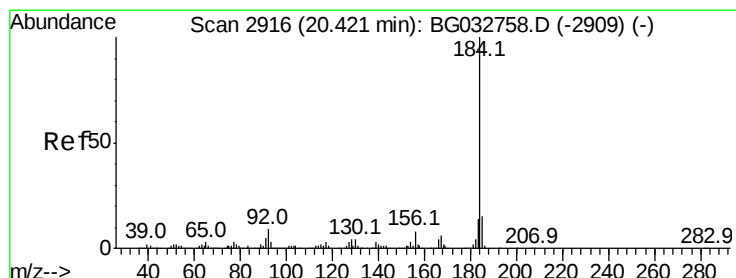
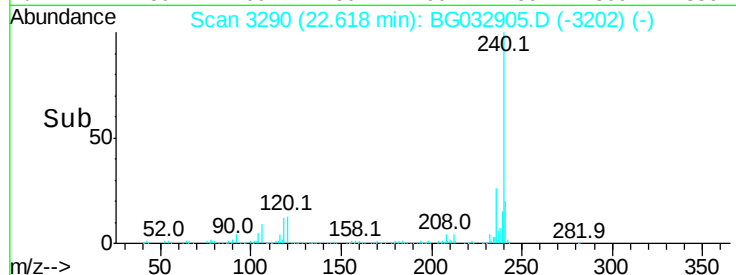
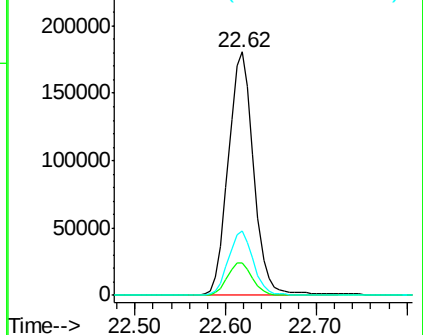
236 26.4 20.9 31.3



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



#76

Benzidine

Concen: 2.288 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.36 min

Lab File: BG032905.D

Acq: 1 Mar 2018 2:07

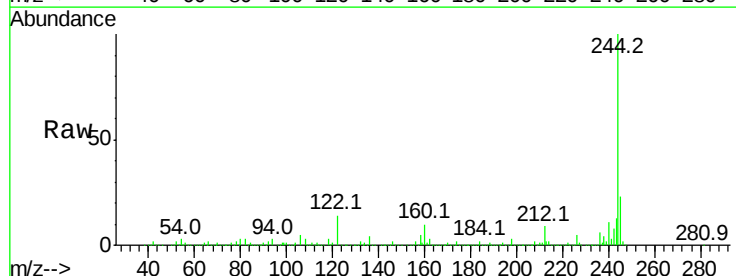
Tgt Ion:184 Resp: 27487

Ion Ratio Lower Upper

184 100

185 16.9 11.1 16.7#

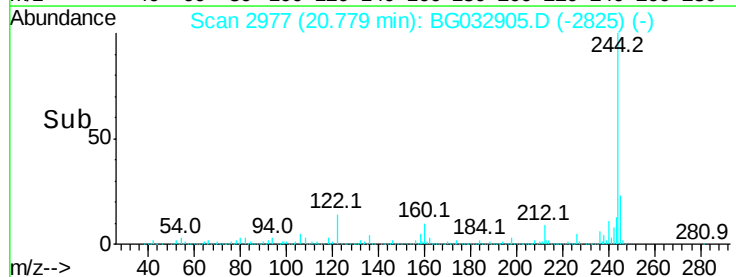
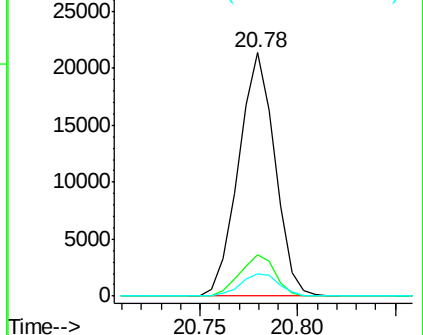
183 9.2 10.6 16.0#

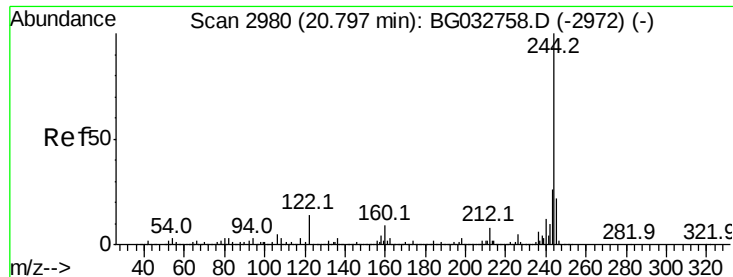


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 98.631 ng

RT: 20.78 min Scan# 2977

Delta R.T. -0.01 min

Lab File: BG032905.D

Acq: 1 Mar 2018 2:07

Instrument :

BNA_G

ClientSampled :

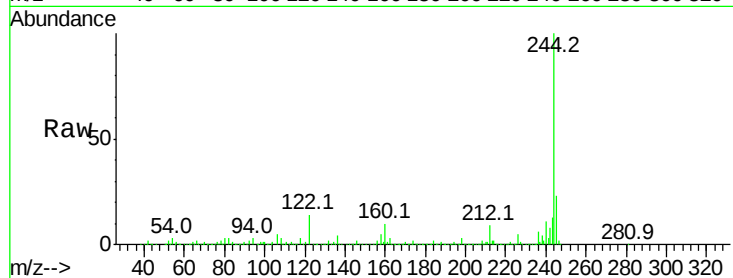
Tot Ion:244 Resp: 1547365

Ion Ratio Lower Upper

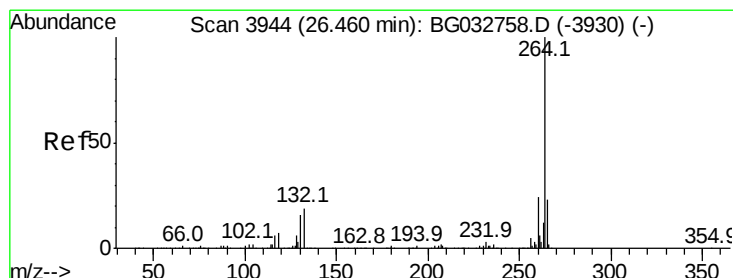
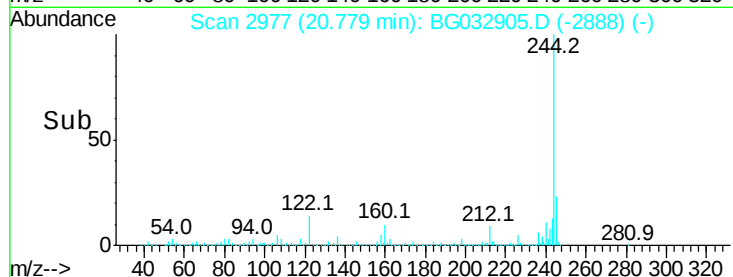
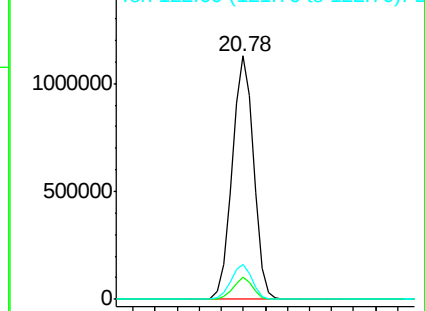
244 100

212 8.9 5.8 8.8#

122 14.5 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: 26.42 min Scan# 3938

Delta R.T. -0.01 min

Lab File: BG032905.D

Acq: 1 Mar 2018 2:07

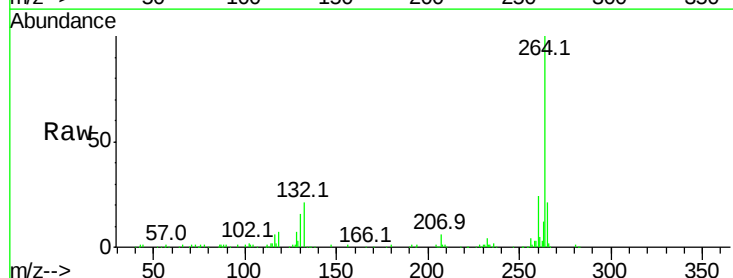
Tgt Ion:264 Resp: 347841

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.0

265 21.1 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

