

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030218\
 Data File : BG032969.D
 Acq On : 3 Mar 2018 6:43
 Operator : SJ/JU
 Sample : J1779-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 05 01:34:45 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	66664	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	290951	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	163405	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	354026	20.00	ng	0.00
75) Chrysene-d12	22.61	240	338609	20.00	ng	0.00
86) Perylene-d12	26.42	264	312522	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	594613	142.70	ng	0.00
7) Phenol-d6	8.01	99	733814	126.34	ng	0.00
23) Nitrobenzene-d5	10.11	82	521950	119.89	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	268256	156.13	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1104919	97.52	ng	0.00
78) Terphenyl-d14	20.78	244	1545364	102.54	ng	0.00

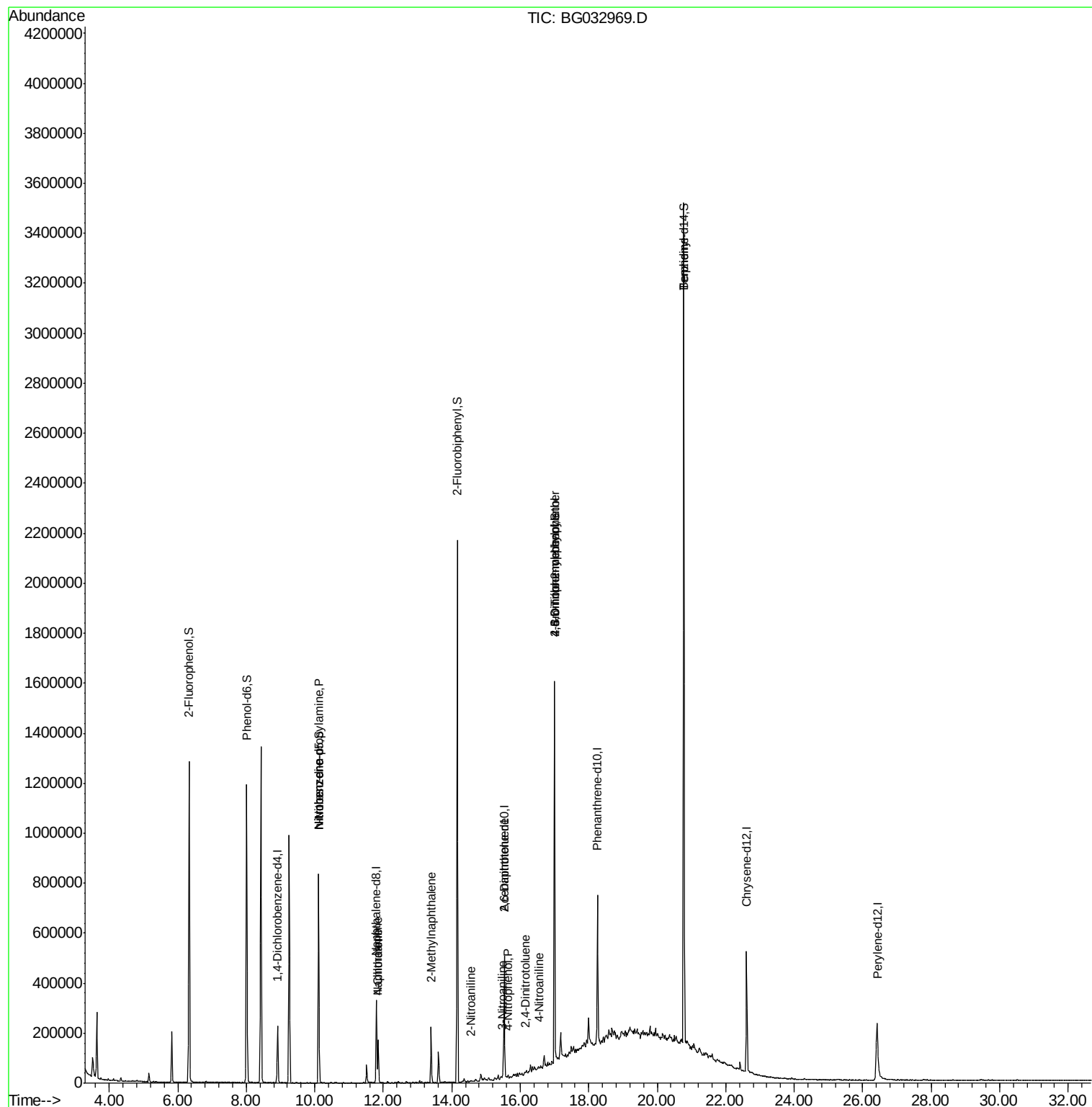
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.11	70	68030	16.591	ng	# 83
24) Nitrobenzene	10.11	77	1593	6.678	ng	# 48
31) Naphthalene	11.85	128	152300	10.018	ng	# 98
33) 4-Chloroaniline	11.85	127	20958	3.083	ng	# 36
37) 2-Methylnaphthalene	13.40	142	112012	10.184	ng	# 92
47) 2-Nitroaniline	14.57	65	64	9.855	ng	# 9
50) 2,6-Dinitrotoluene	15.53	165	24611	17.628	ng	# 21
52) 3-Nitroaniline	15.48	138	55	7.560	ng	# 1
55) 4-Nitrophenol	15.65	139	125	7.131	ng	# 1
56) 2,4-Dinitrotoluene	16.15	165	783	7.096	ng	# 16
61) 4-Nitroaniline	16.54	138	349	5.403	ng	# 96
64) 4,6-Dinitro-2-methylphenol	17.00	198	759	5.859	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	20062	5.359	ng	# 1
76) Benzidine	20.78	184	27945	2.421	ng	# 90

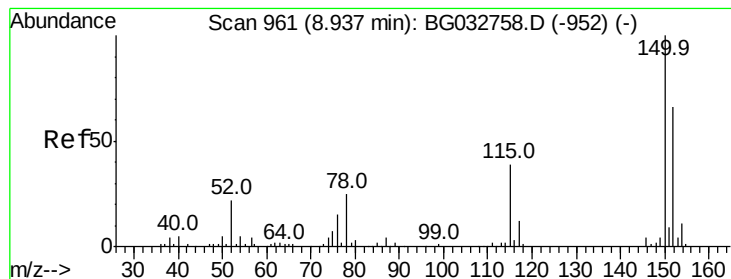
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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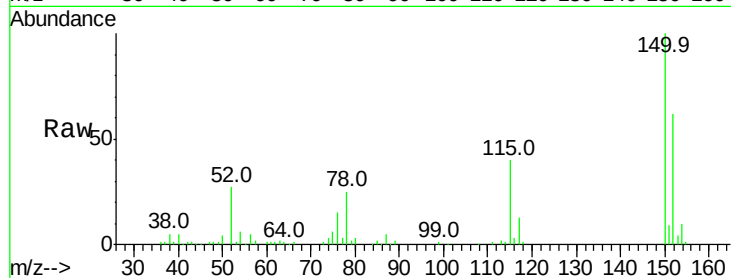


#1

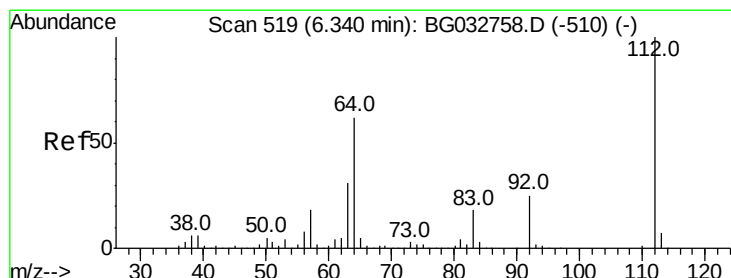
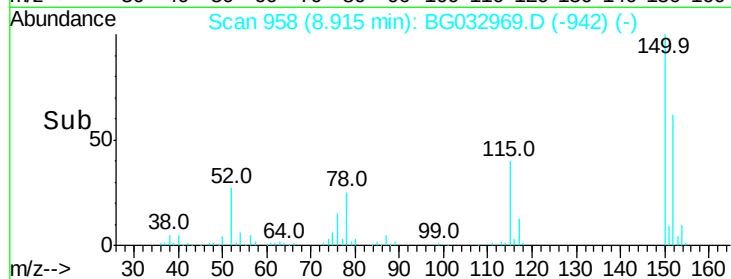
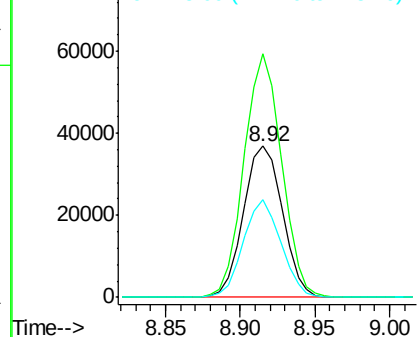
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.01 min
Lab File: BG032969.D
Acq: 3 Mar 2018 6:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 66664
Ion Ratio Lower Upper
152 100
150 161.3 126.6 189.8
115 64.9 53.0 79.4



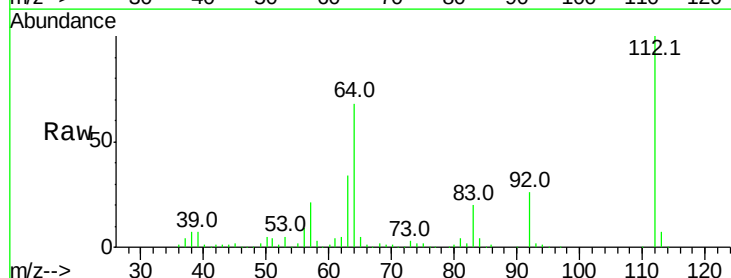
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



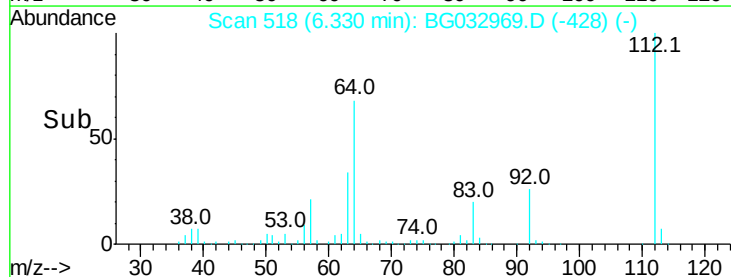
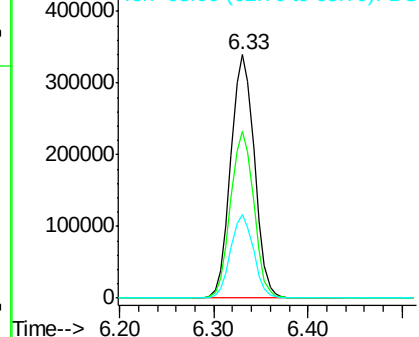
#5

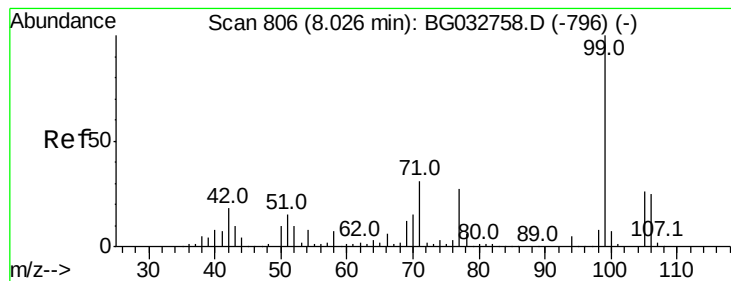
2-Fluorophenol
Concen: 142.700 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.00 min
Lab File: BG032969.D
Acq: 3 Mar 2018 6:43

Tgt Ion:112 Resp: 594613
Ion Ratio Lower Upper
112 100
64 68.5 56.3 84.5
63 34.4 30.1 45.1



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: 126.344 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.01 min

Lab File: BG032969.D

Acq: 3 Mar 2018 6:43

Instrument :

BNA_G

ClientSampleId :

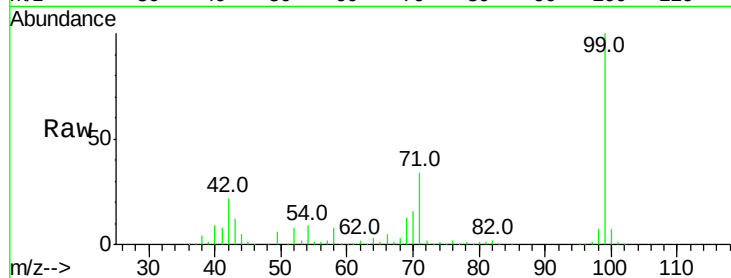
Tot Ion: 99 Resp: 733814

Ion Ratio Lower Upper

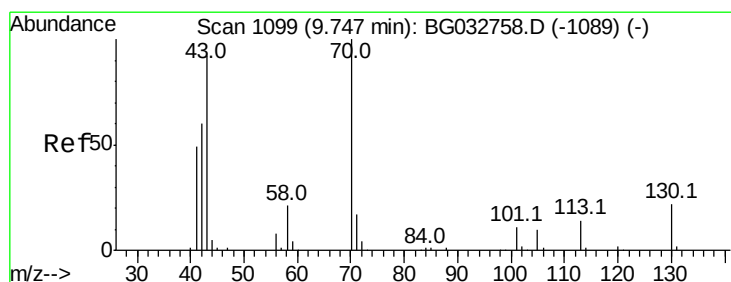
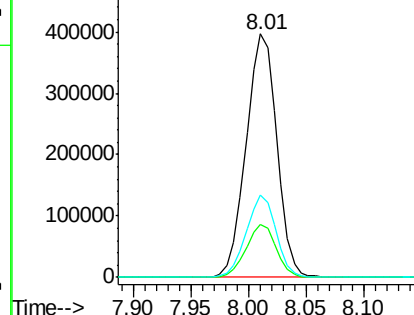
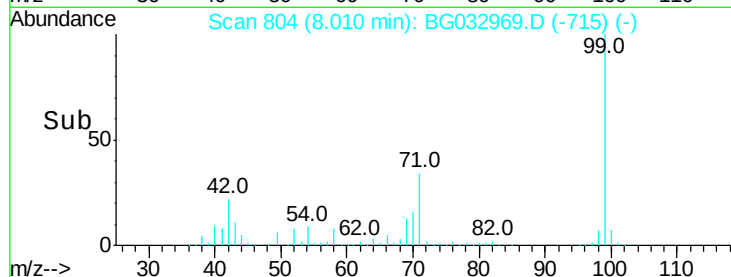
99 100

42 21.5 14.1 21.1#

71 33.9 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: 16.591 ng

RT: 10.11 min Scan# 1162

Delta R.T. 0.38 min

Lab File: BG032969.D

Acq: 3 Mar 2018 6:43

Tgt Ion: 70 Resp: 68030

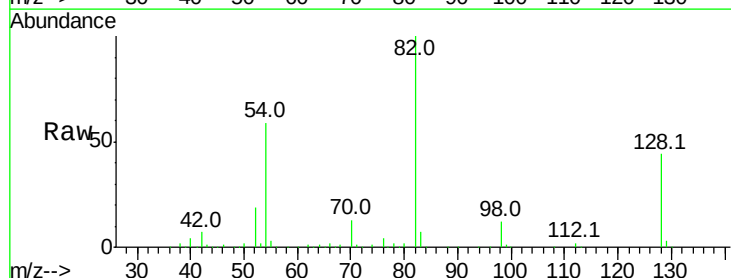
Ion Ratio Lower Upper

70 100

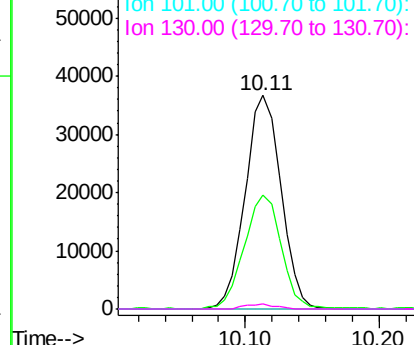
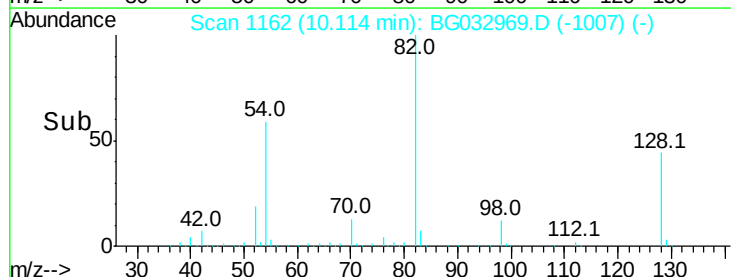
42 53.2 49.1 73.7

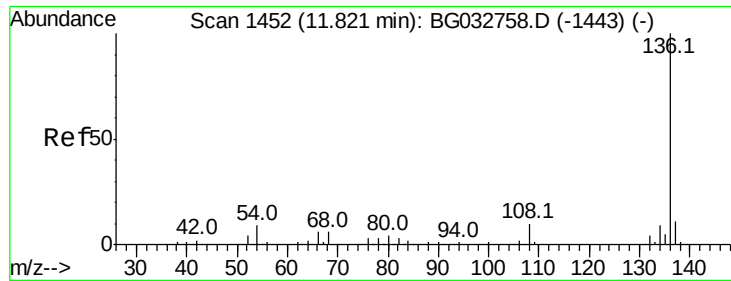
101 0.0 8.5 12.7#

130 2.2 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

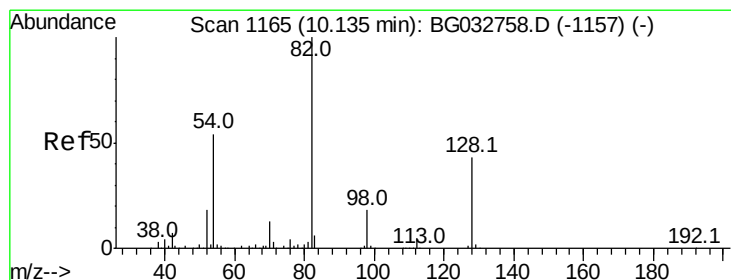
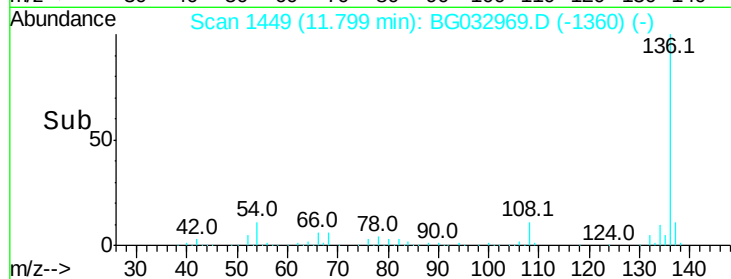
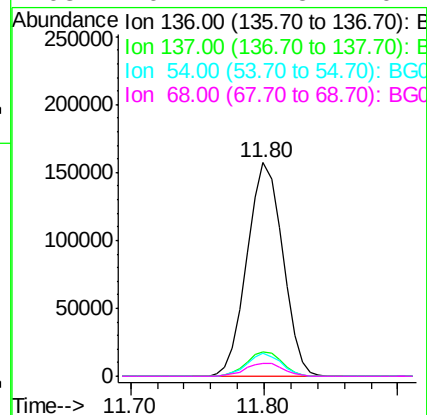
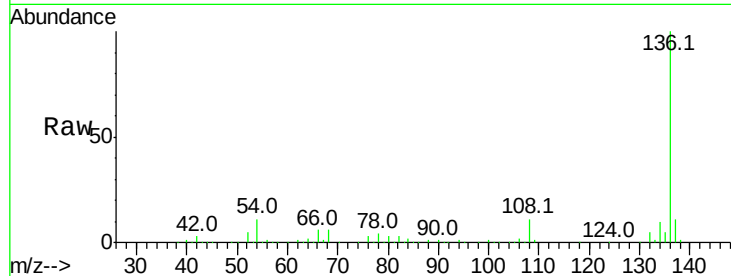




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BG032969.D
Acq: 3 Mar 2018 6:43

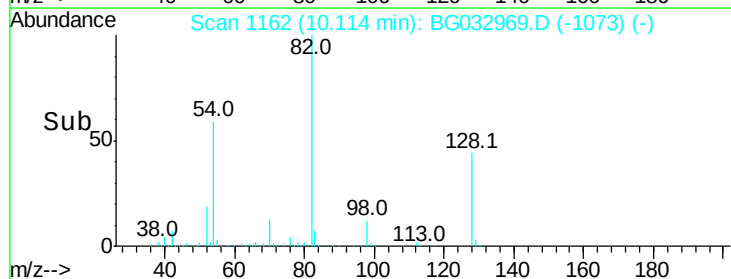
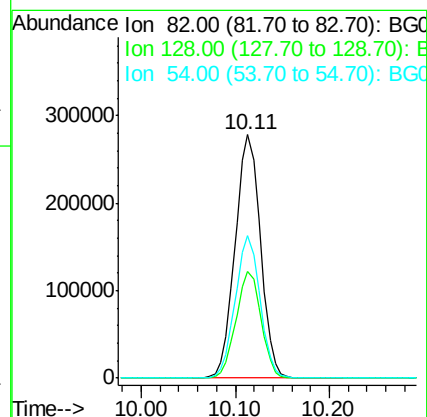
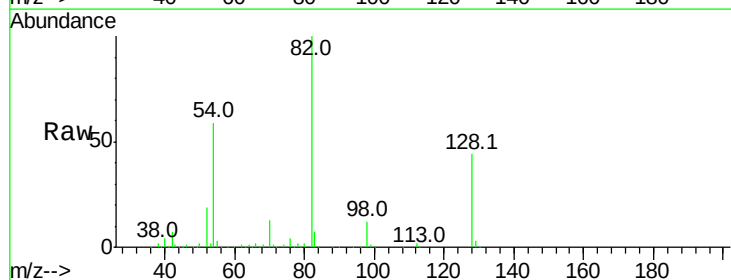
Instrument :
BNA_G
ClientSampleId :

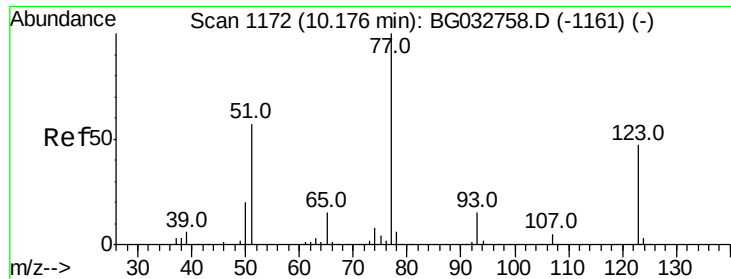
Tot Ion:	136	Resp:	290951
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	10.7	10.3	15.5
68	6.2	4.5	6.7



#23
Nitrobenzene-d5
Concen: 119.886 ng
RT: 10.11 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BG032969.D
Acq: 3 Mar 2018 6:43

Tgt Ion:	82	Resp:	521950
Ion	Ratio	Lower	Upper
82	100		
128	43.6	29.7	44.5
54	58.6	43.1	64.7





#24

Nitrobenzene

Concen: 6.678 ng

RT: 10.11 min Scan# 1162

Delta R.T. -0.05 min

Lab File: BG032969.D

Acq: 3 Mar 2018 6:43

Instrument :

BNA_G

ClientSampled :

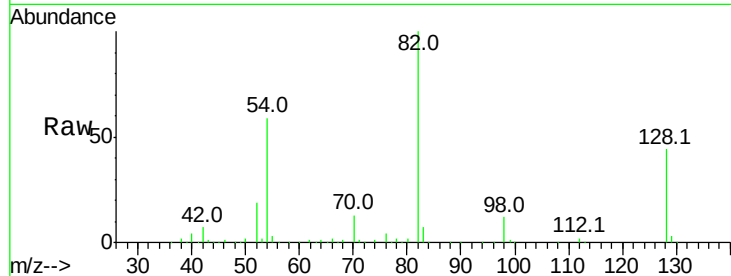
Tot Ion: 77 Resp: 1593

Ion Ratio Lower Upper

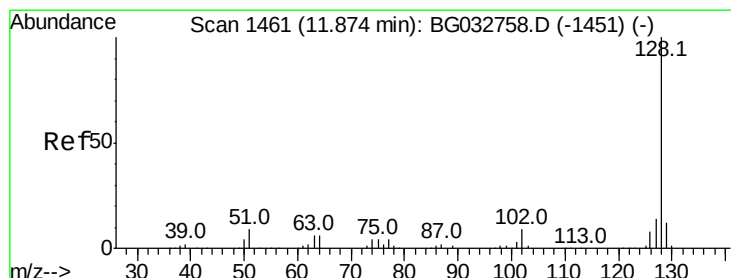
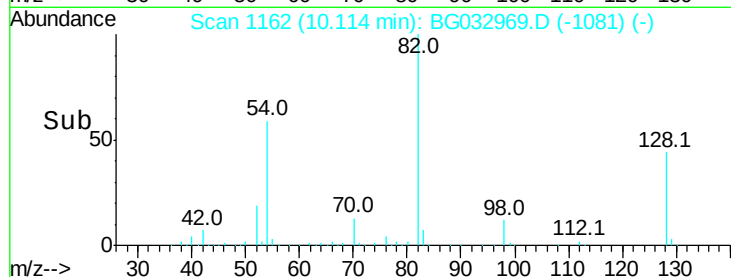
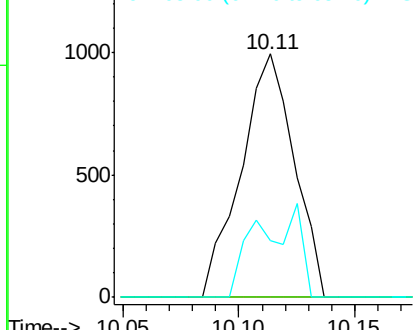
77 100

123 0.0 33.0 49.6#

65 23.1 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



#31

Naphthalene

Concen: 10.018 ng

RT: 11.85 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BG032969.D

Acq: 3 Mar 2018 6:43

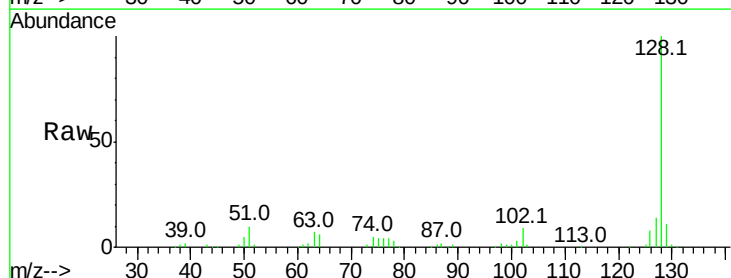
Tgt Ion: 128 Resp: 152300

Ion Ratio Lower Upper

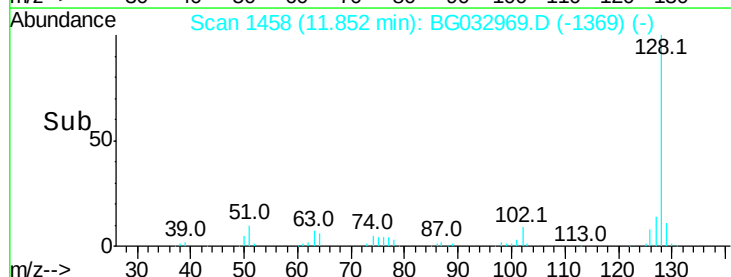
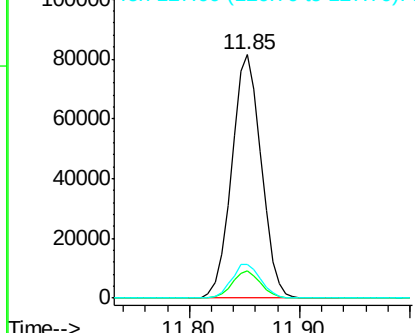
128 100

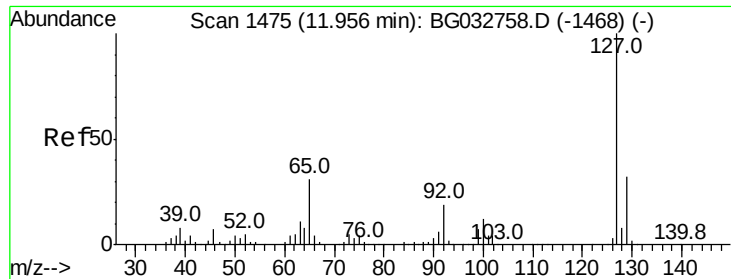
129 11.3 8.6 12.8

127 13.7 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC

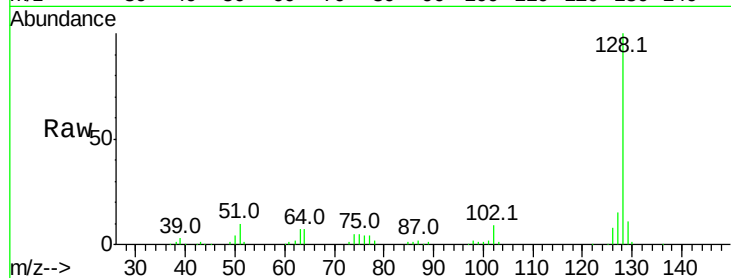




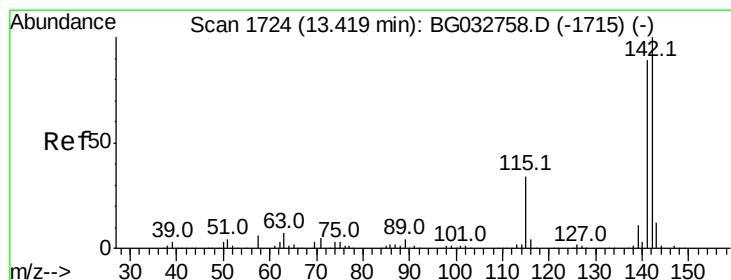
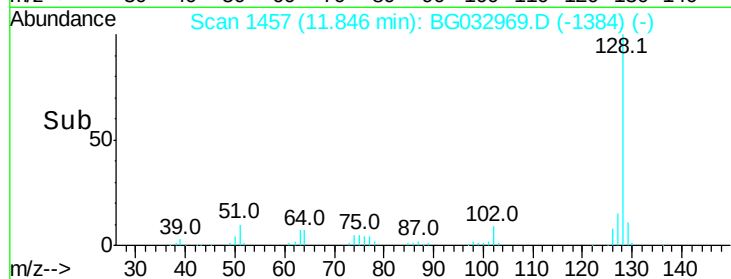
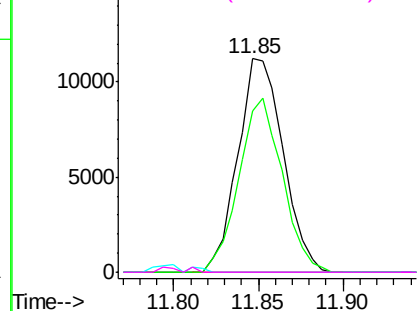
#33
4-Chloroaniline
Concen: 3.083 ng
RT: 11.85 min Scan# 1457
Delta R.T. -0.10 min
Lab File: BG032969.D
Acq: 3 Mar 2018 6:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	127	Resp:	20958
Ion	Ratio	Lower	Upper
127	100		
129	75.5	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#

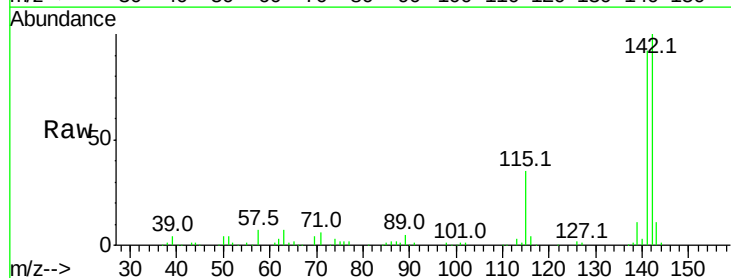


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

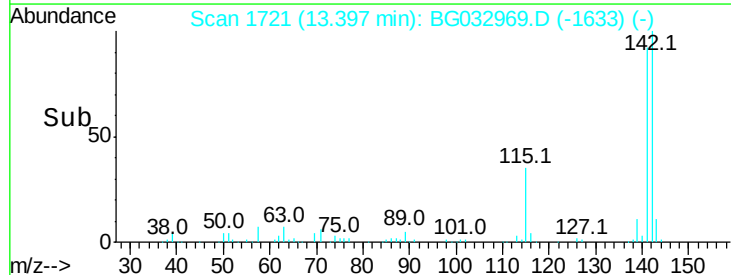
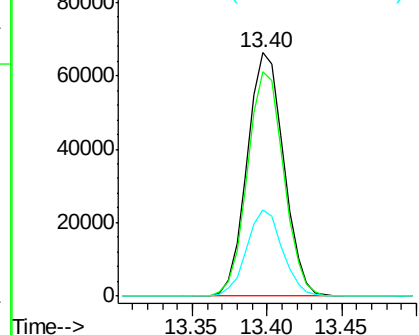


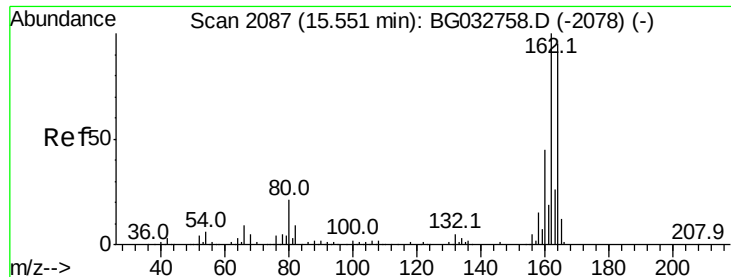
#37
2-Methylnaphthalene
Concen: 10.184 ng
RT: 13.40 min Scan# 1721
Delta R.T. -0.01 min
Lab File: BG032969.D
Acq: 3 Mar 2018 6:43

Tgt Ion:	142	Resp:	112012
Ion	Ratio	Lower	Upper
142	100		
141	91.9	67.1	100.7
115	35.4	30.7	46.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2084

Delta R.T. -0.01 min

Lab File: BG032969.D

Acq: 3 Mar 2018 6:43

Instrument :

BNA_G

ClientSampled :

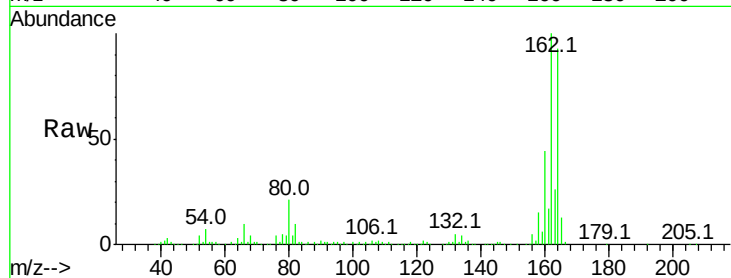
Tot Ion:164 Resp: 163405

Ion Ratio Lower Upper

164 100

162 108.0 78.8 118.2

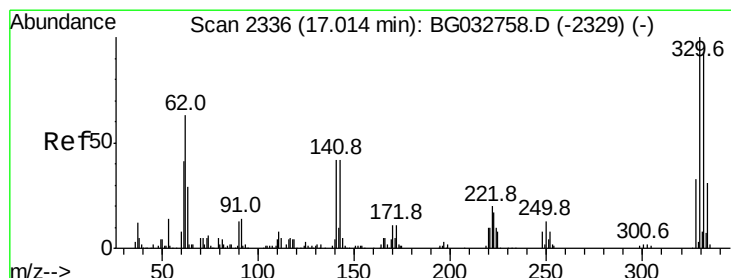
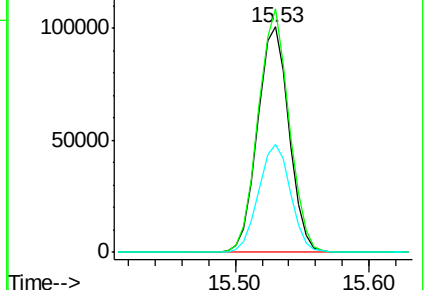
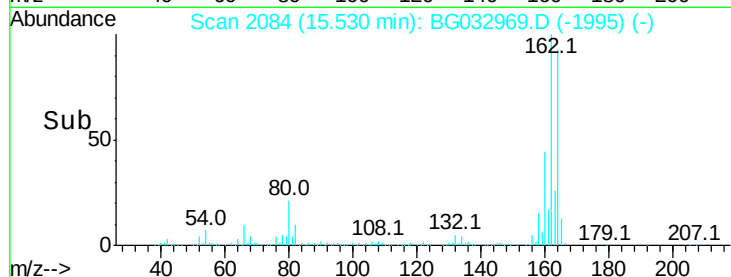
160 47.8 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 156.131 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.01 min

Lab File: BG032969.D

Acq: 3 Mar 2018 6:43

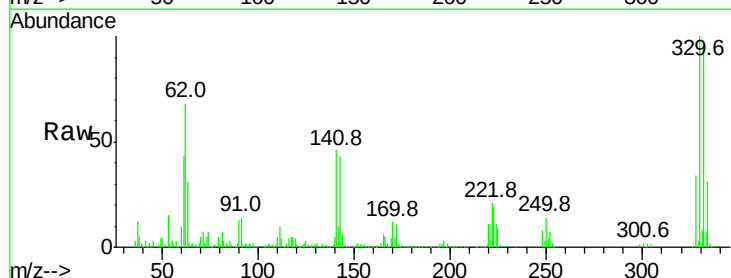
Tgt Ion:330 Resp: 268256

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

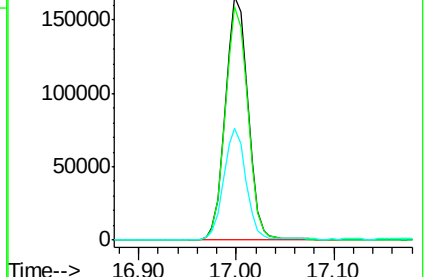
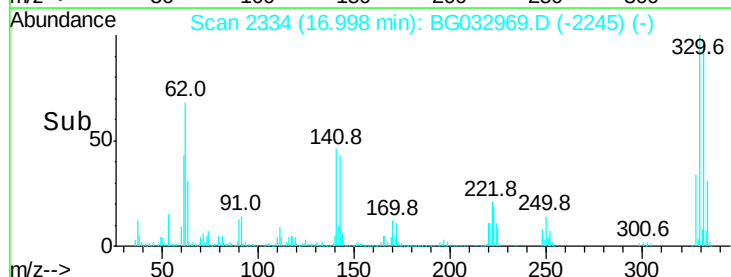
141 45.1 25.2 37.8#

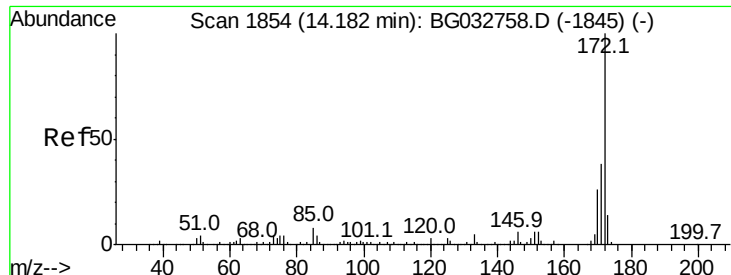


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



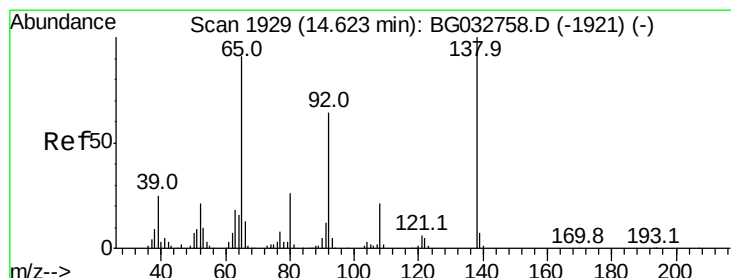
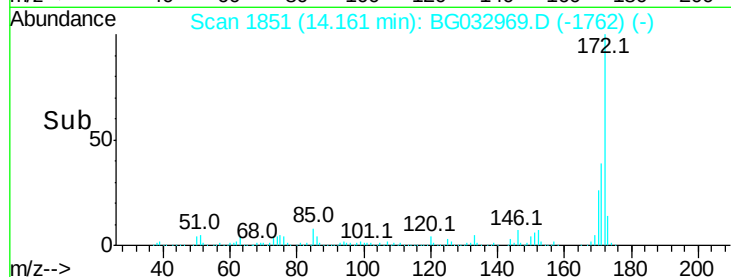
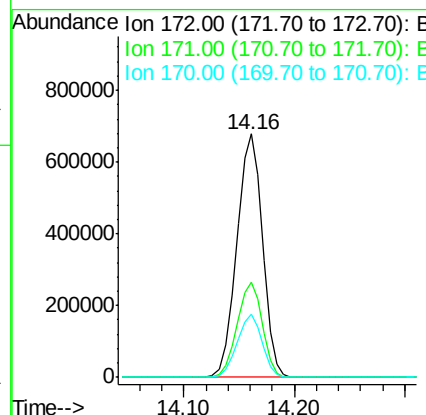
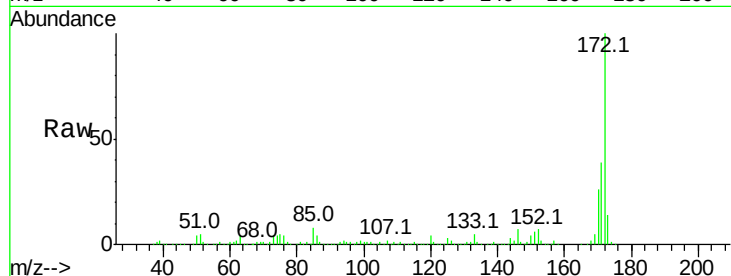


#44
 2-Fluorobiphenyl
 Concen: 97.523 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BG032969.D
 Acq: 3 Mar 2018 6:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1104919

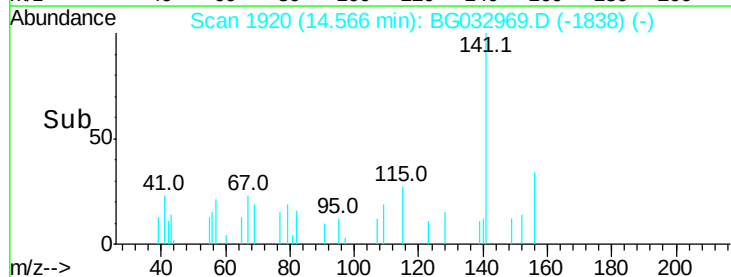
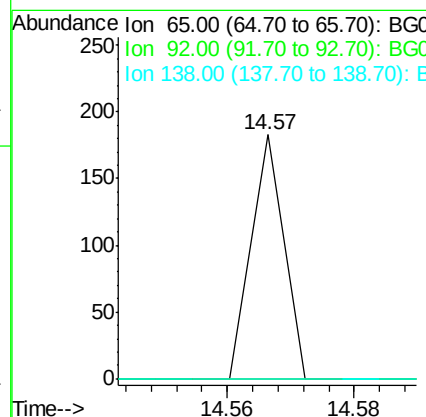
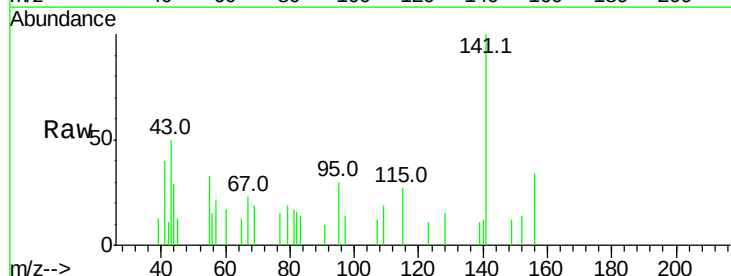
Ion	Ratio	Lower	Upper
172	100		
171	39.1	30.0	45.0
170	25.9	19.5	29.3

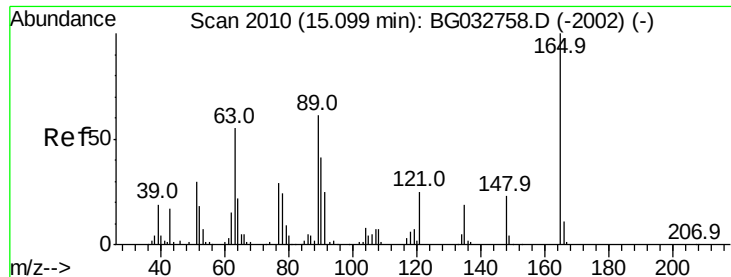


#47
 2-Nitroaniline
 Concen: 9.855 ng
 RT: 14.57 min Scan# 1920
 Delta R.T. -0.05 min
 Lab File: BG032969.D
 Acq: 3 Mar 2018 6:43

Tgt Ion: 65 Resp: 64

Ion	Ratio	Lower	Upper
65	100		
92	0.0	54.6	82.0#
138	0.0	72.9	109.3#

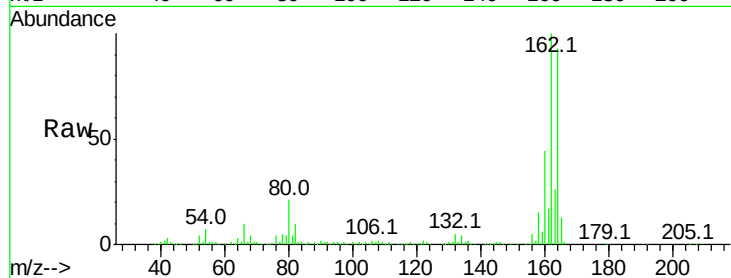




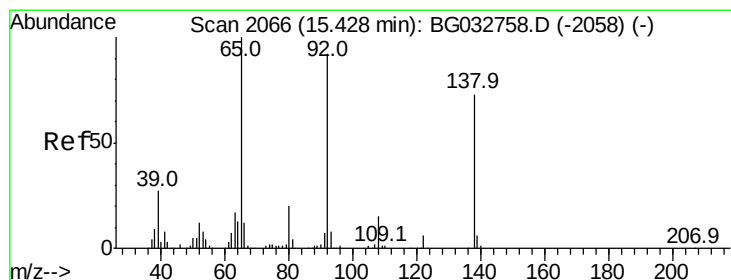
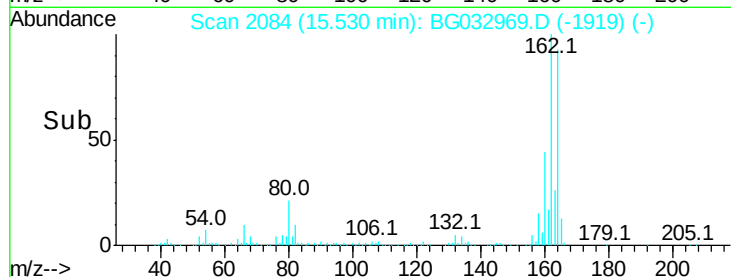
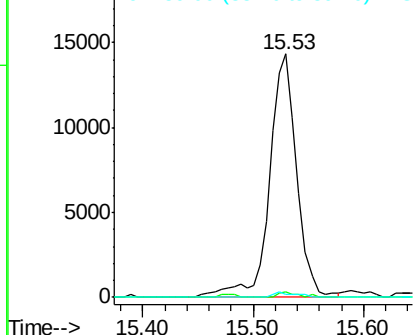
#50
 2,6-Dinitrotoluene
 Concen: 17.628 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. 0.44 min
 Lab File: BG032969.D
 Acq: 3 Mar 2018 6:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 24611
 Ion Ratio Lower Upper
 165 100
 63 2.2 52.7 79.1#
 89 1.5 49.2 73.8#

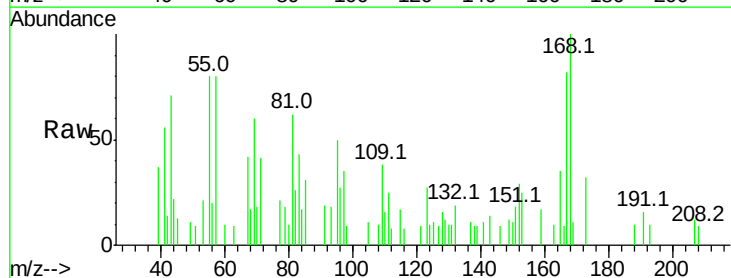


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

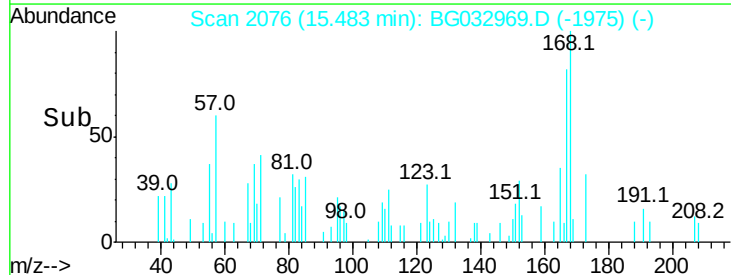
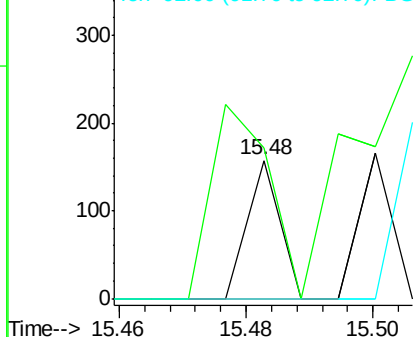


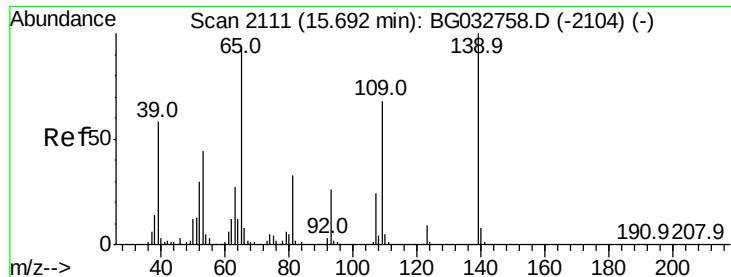
#52
 3-Nitroaniline
 Concen: 7.560 ng
 RT: 15.48 min Scan# 2076
 Delta R.T. 0.06 min
 Lab File: BG032969.D
 Acq: 3 Mar 2018 6:43

Tgt Ion:138 Resp: 55
 Ion Ratio Lower Upper
 138 100
 108 109.6 17.5 26.3#
 92 0.0 105.8 158.8#



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BGC

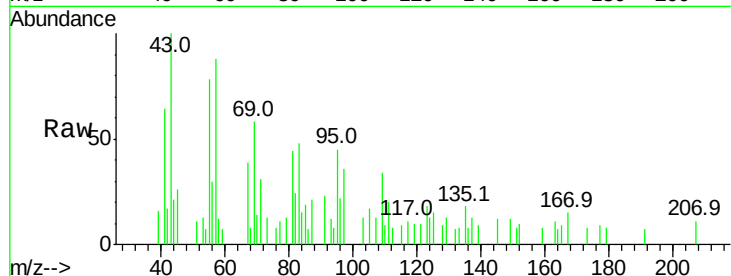




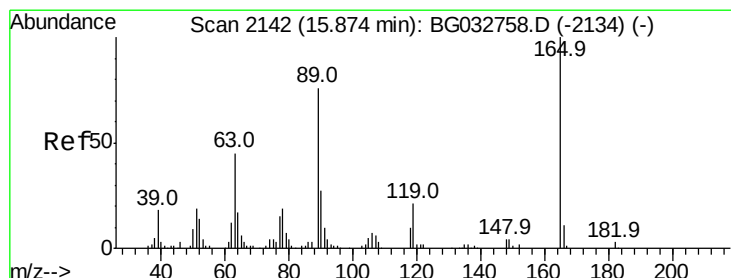
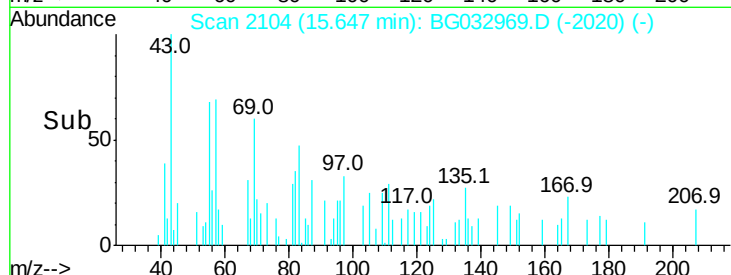
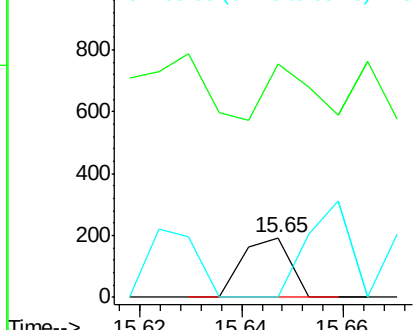
#55
4-Nitrophenol
Concen: 7.131 ng
RT: 15.65 min Scan# 2104
Delta R.T. -0.04 min
Lab File: BG032969.D
Acq: 3 Mar 2018 6:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 125
Ion Ratio Lower Upper
139 100
109 390.7 62.2 102.2#
65 0.0 97.2 137.2#



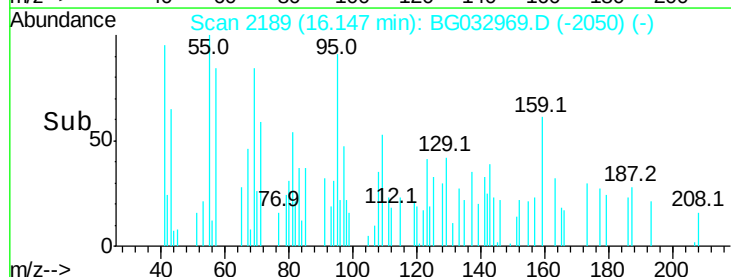
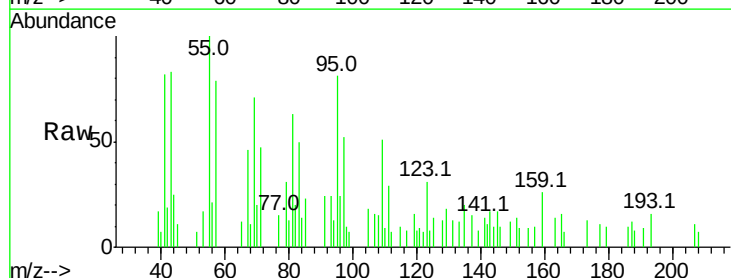
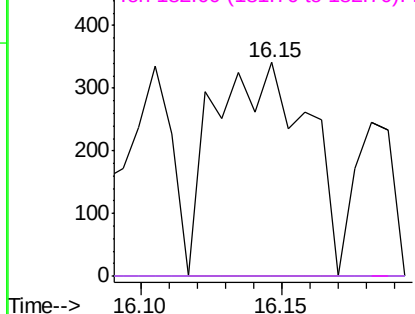
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

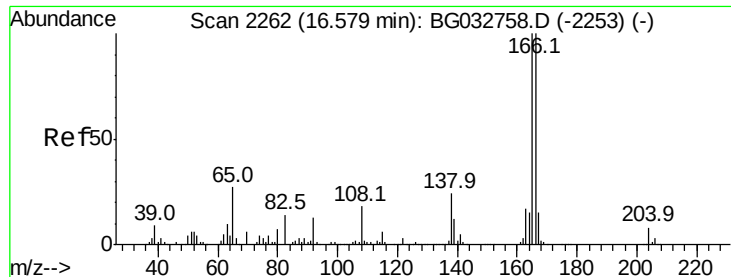


#56
2,4-Dinitrotoluene
Concen: 7.096 ng
RT: 16.15 min Scan# 2189
Delta R.T. 0.29 min
Lab File: BG032969.D
Acq: 3 Mar 2018 6:43

Tgt Ion:165 Resp: 783
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 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





#61

4-Nitroaniline

Concen: 5.403 ng

RT: 16.54 min Scan# 2256

Delta R.T. -0.03 min

Lab File: BG032969.D

Acq: 3 Mar 2018 6:43

Instrument :

BNA_G

ClientSampleId :

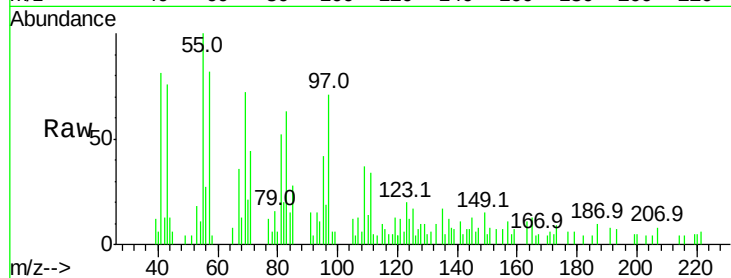
Tot Ion:138 Resp: 349

Ion Ratio Lower Upper

138 100

92 54.7 40.1 80.1

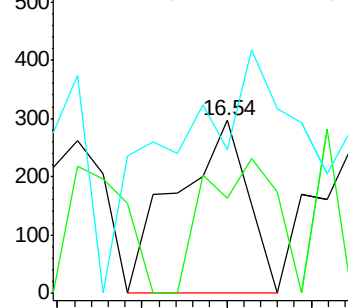
108 83.1 65.4 105.4



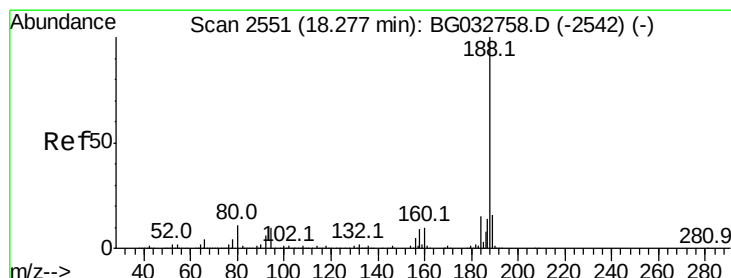
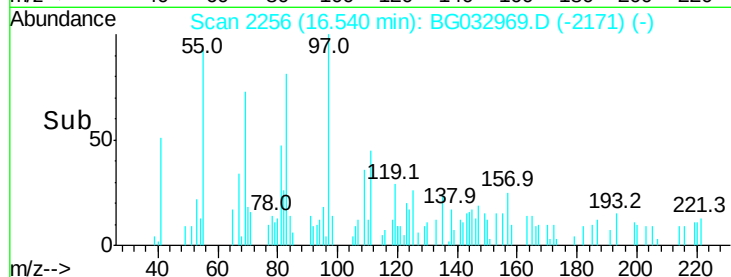
Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E



Time--> 16.50 16.52 16.54 16.56



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.26 min Scan# 2548

Delta R.T. -0.01 min

Lab File: BG032969.D

Acq: 3 Mar 2018 6:43

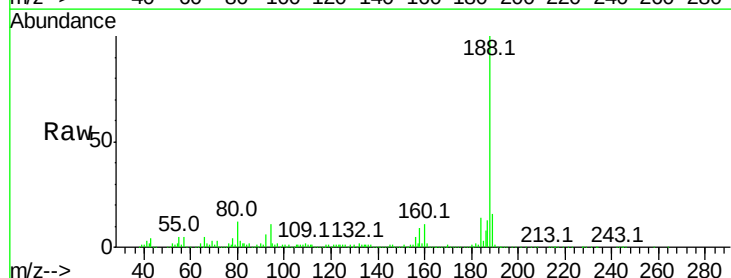
Tgt Ion:188 Resp: 354026

Ion Ratio Lower Upper

188 100

94 10.9 6.9 10.3#

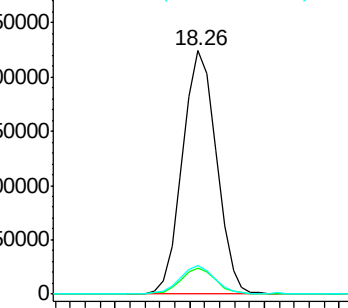
80 11.6 7.7 11.5#



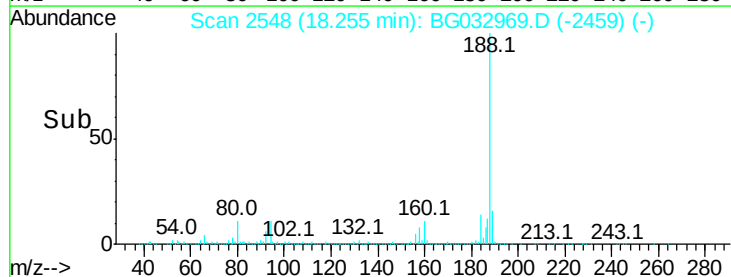
Abundance Ion 188.00 (187.70 to 188.70): E

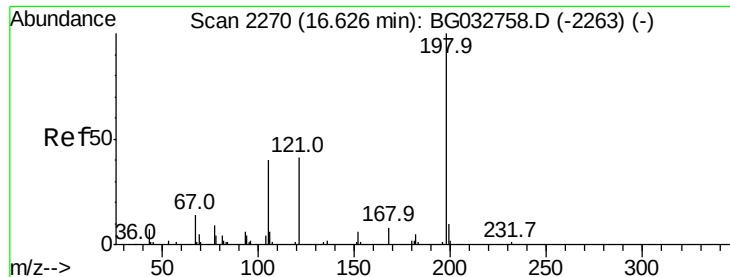
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time--> 18.20 18.25 18.30

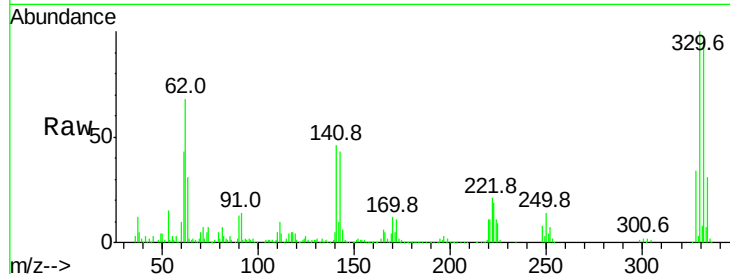




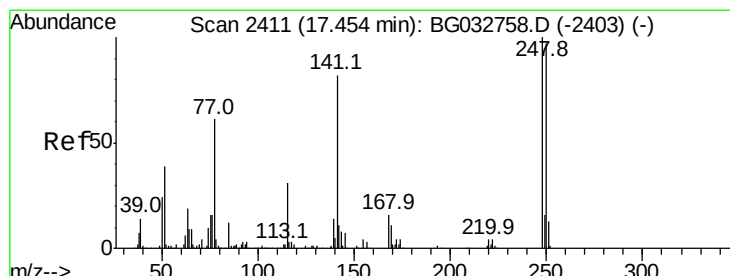
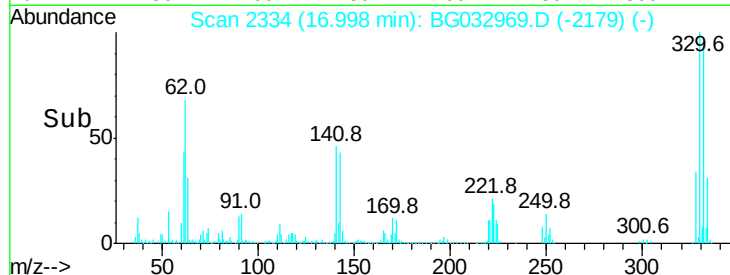
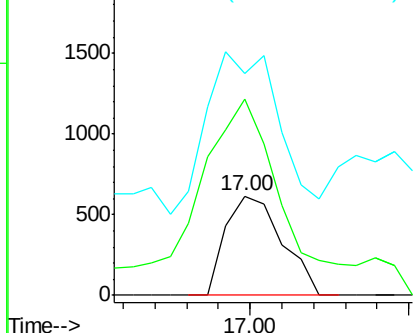
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.859 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. 0.38 min
 Lab File: BG032969.D
 Acq: 3 Mar 2018 6:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 759
 Ion Ratio Lower Upper
 198 100
 51 198.4 30.6 70.6#
 105 223.6 23.8 63.8#

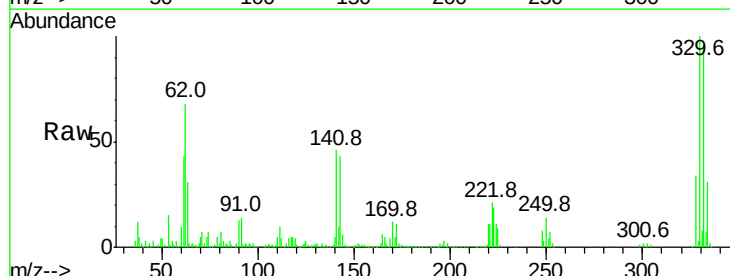


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

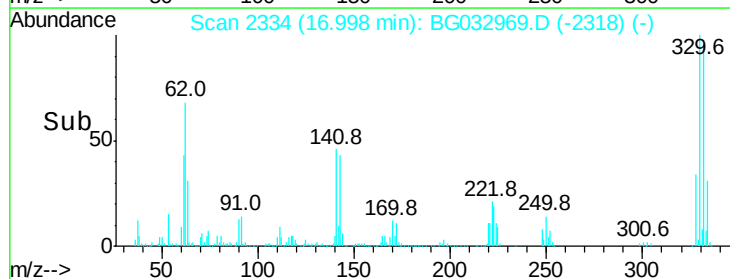
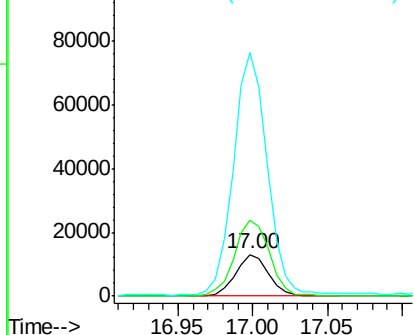


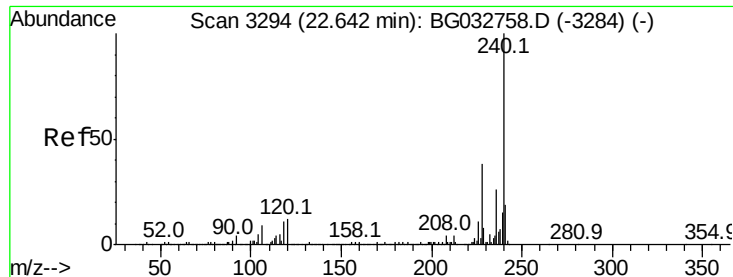
#66
 4-Bromophenyl-phenylether
 Concen: 5.359 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.43 min
 Lab File: BG032969.D
 Acq: 3 Mar 2018 6:43

Tgt Ion:248 Resp: 20062
 Ion Ratio Lower Upper
 248 100
 250 182.5 77.1 115.7#
 141 583.4 50.8 76.2#



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.61 min Scan# 3290

Delta R.T. -0.01 min

Lab File: BG032969.D

Acq: 3 Mar 2018 6:43

Instrument :

BNA_G

ClientSampleId :

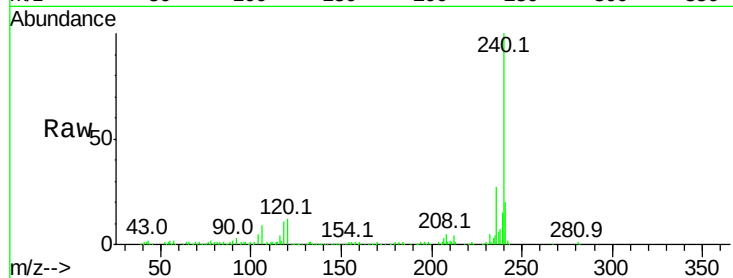
Tot Ion:240 Resp: 338609

Ion Ratio Lower Upper

240 100

120 12.0 6.8 10.2#

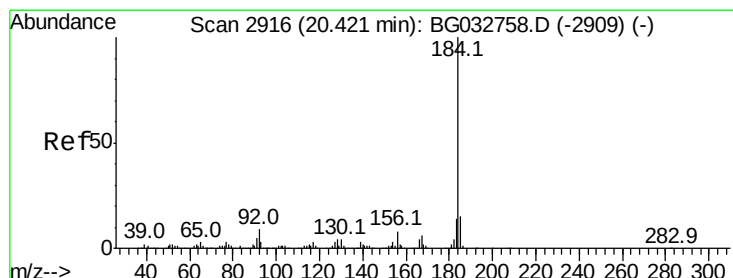
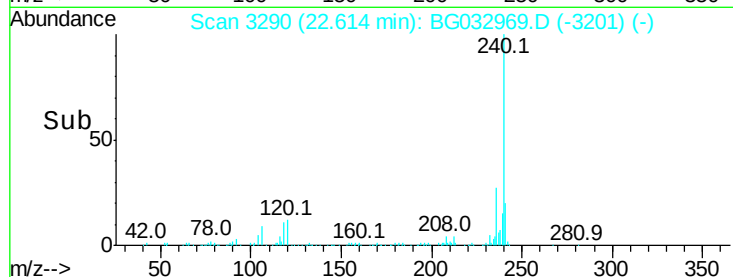
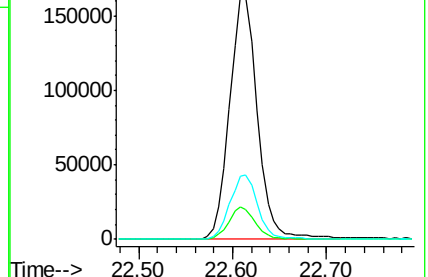
236 26.6 20.9 31.3



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: 2.421 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.36 min

Lab File: BG032969.D

Acq: 3 Mar 2018 6:43

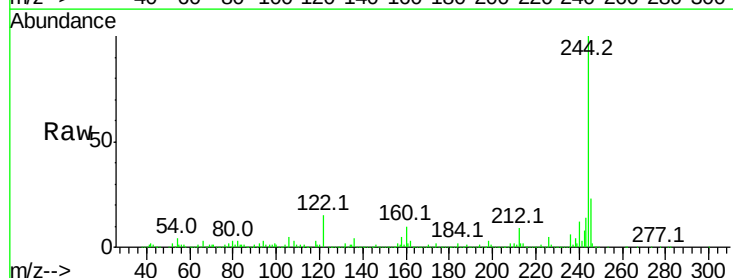
Tgt Ion:184 Resp: 27945

Ion Ratio Lower Upper

184 100

185 19.3 11.1 16.7#

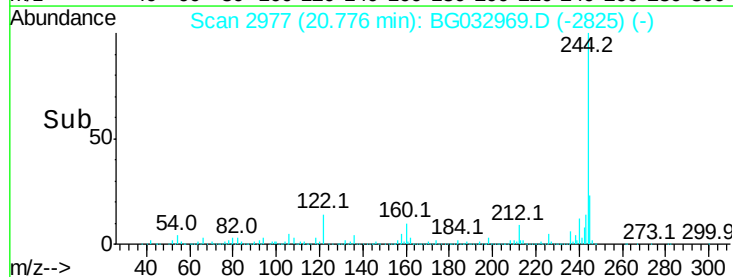
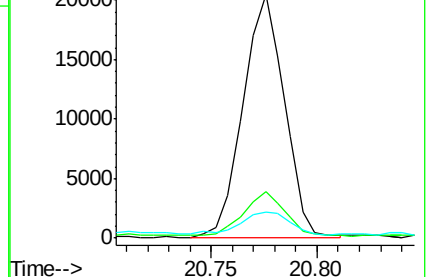
183 10.6 10.6 16.0#

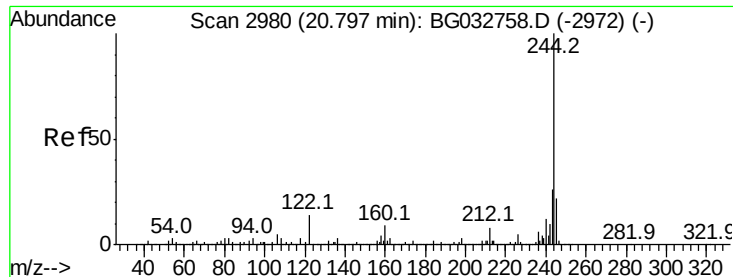


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 102.538 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.00 min

Lab File: BG032969.D

Acq: 3 Mar 2018 6:43

Instrument :

BNA_G

ClientSampled :

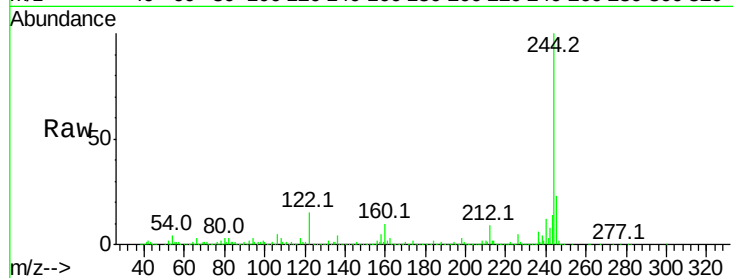
Tot Ion:244 Resp: 1545364

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8

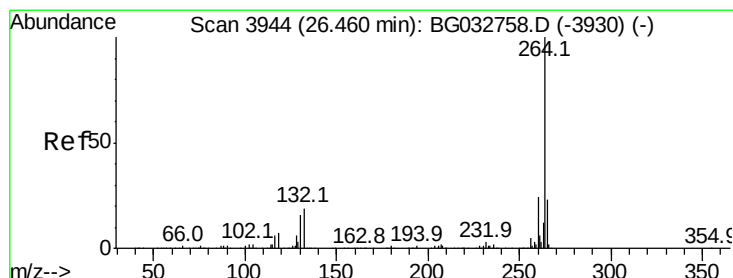
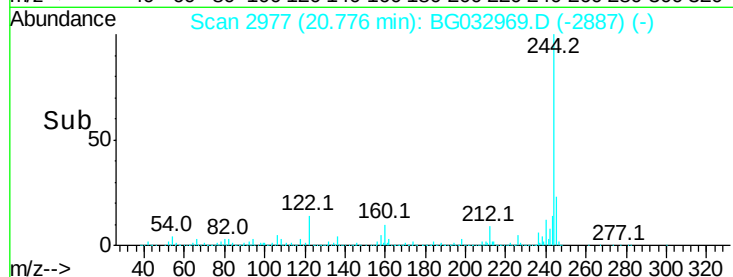
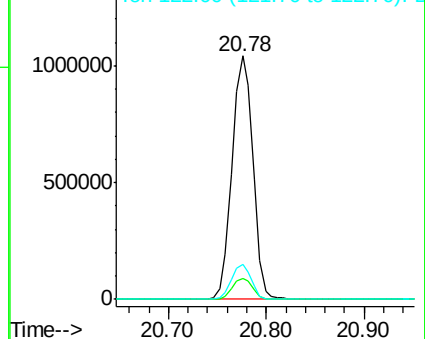
122 14.5 7.0 10.4#



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: BG032969.D

Acq: 3 Mar 2018 6:43

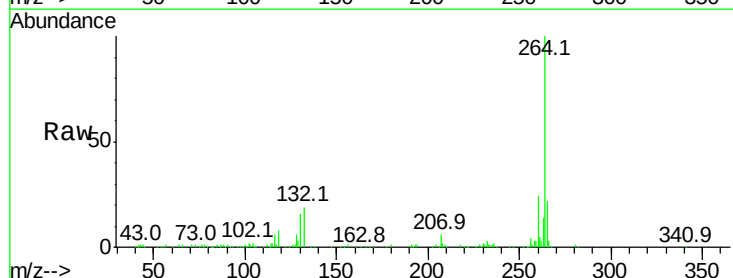
Tgt Ion:264 Resp: 312522

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

265 22.1 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

