

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030218\
 Data File : BG032971.D
 Acq On : 3 Mar 2018 7:58
 Operator : SJ/JU
 Sample : J1767-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 05 01:35:26 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	64030	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	279905	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	156743	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	356056	20.00	ng	0.00
75) Chrysene-d12	22.61	240	319918	20.00	ng	-0.01
86) Perylene-d12	26.42	264	297753	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	586688	146.59	ng	0.00
7) Phenol-d6	8.01	99	727825	130.47	ng	0.00
23) Nitrobenzene-d5	10.11	82	512171	122.08	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	249438	151.35	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1058666	97.41	ng	0.00
78) Terphenyl-d14	20.78	244	1541928	108.29	ng	0.00

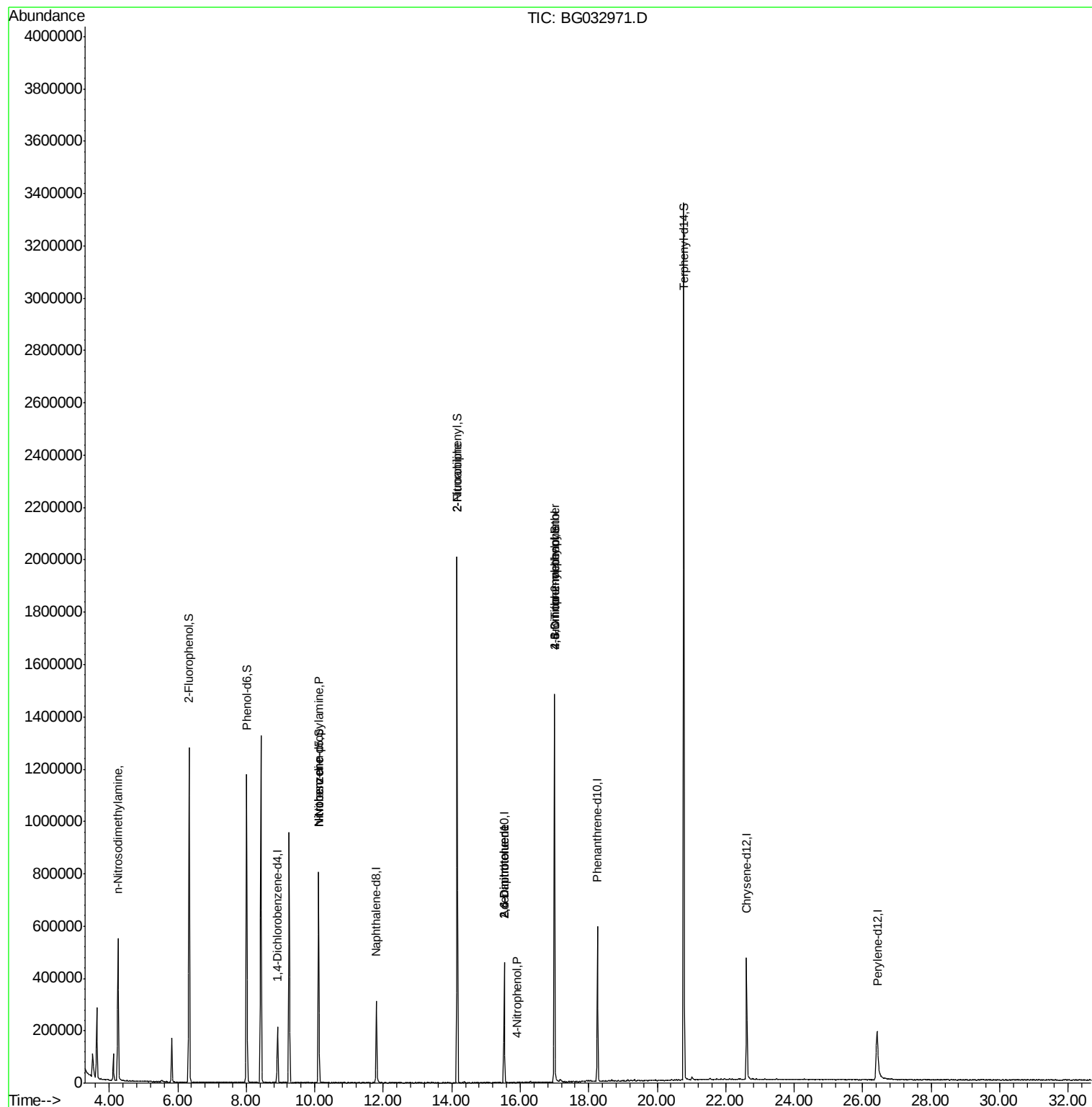
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	4.25	42	18092	9.426	ng	# 1
19) n-Nitroso-di-n-propylamine	10.11	70	66462	16.876	ng	# 86
24) Nitrobenzene	10.11	77	1560	6.683	ng	# 33
47) 2-Nitroaniline	14.16	65	2116	10.488	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	19968	16.282	ng	# 21
55) 4-Nitrophenol	15.91	139	80	7.114	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	19968	14.480	ng	# 19
64) 4,6-Dinitro-2-methylphenol	17.00	198	620	5.689	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	17836	4.737	ng	# 1

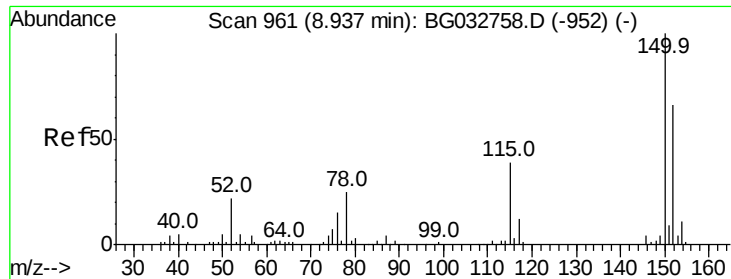
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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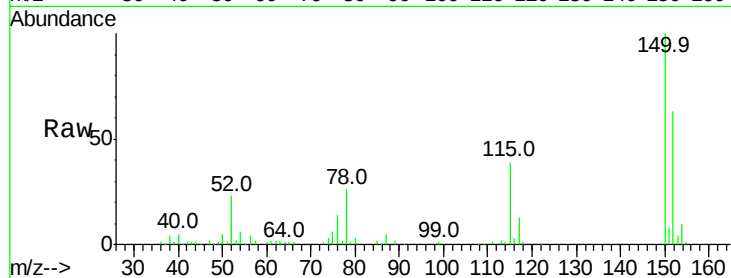


#1

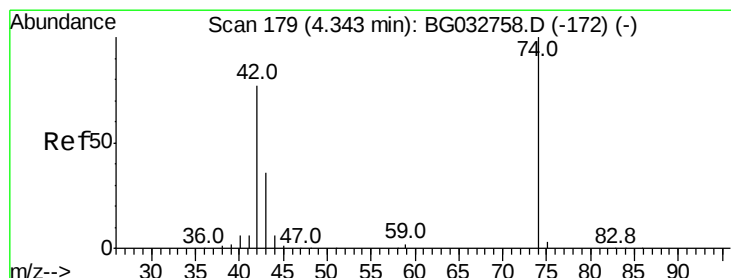
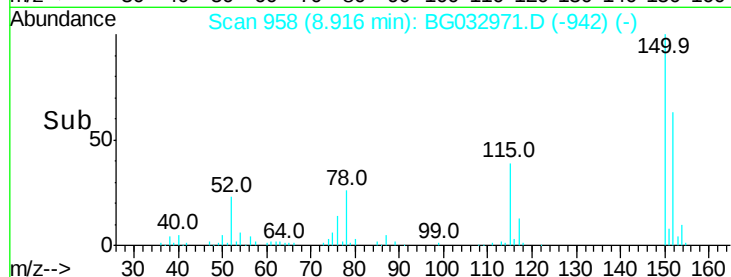
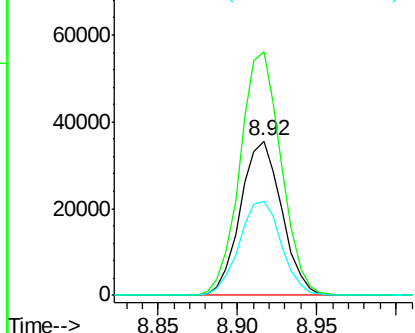
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.00 min
Lab File: BG032971.D
Acq: 3 Mar 2018 7:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 64030
Ion Ratio Lower Upper
152 100
150 157.7 126.6 189.8
115 60.9 53.0 79.4



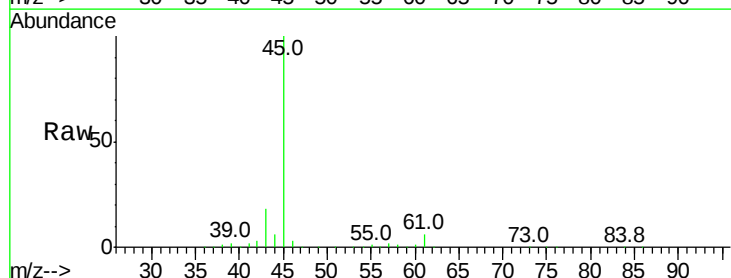
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



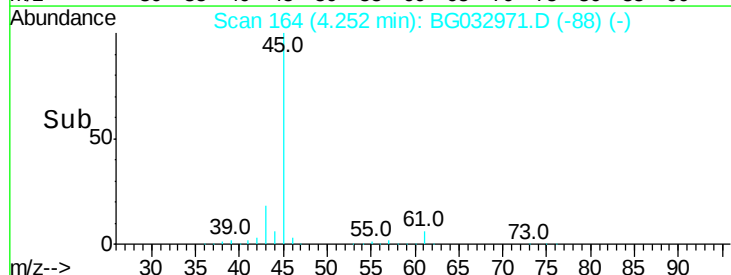
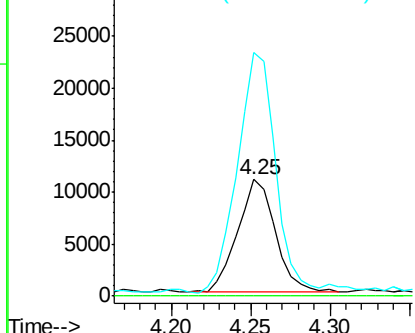
#4

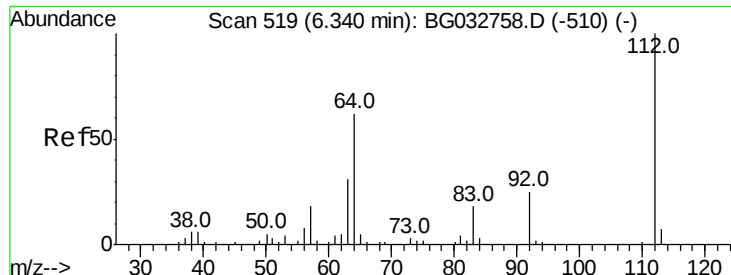
n-Nitrosodimethylamine
Concen: 9.426 ng
RT: 4.25 min Scan# 164
Delta R.T. -0.08 min
Lab File: BG032971.D
Acq: 3 Mar 2018 7:58

Tgt Ion: 42 Resp: 18092
Ion Ratio Lower Upper
42 100
74 0.0 102.5 153.7#
44 208.7 18.9 28.3#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 146.590 ng

RT: 6.33 min Scan# 518

Delta R.T. 0.00 min

Lab File: BG032971.D

Acq: 3 Mar 2018 7:58

Instrument :

BNA_G

ClientSampleId :

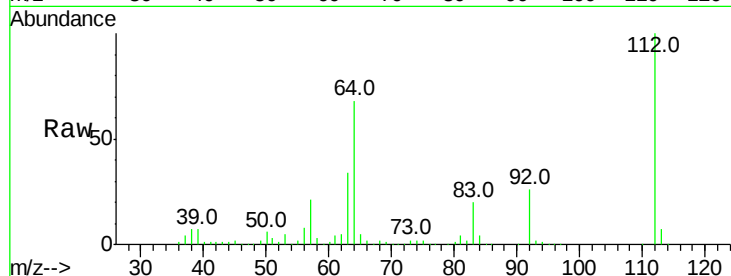
Tot Ion:112 Resp: 586688

Ion Ratio Lower Upper

112 100

64 68.4 56.3 84.5

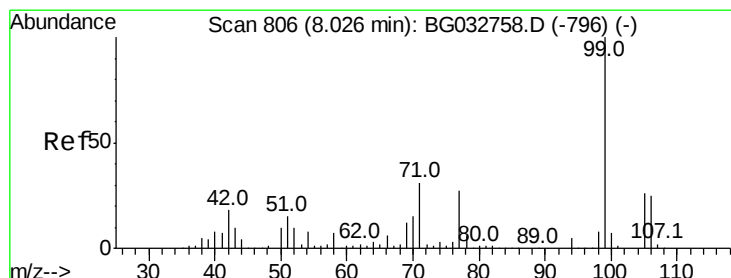
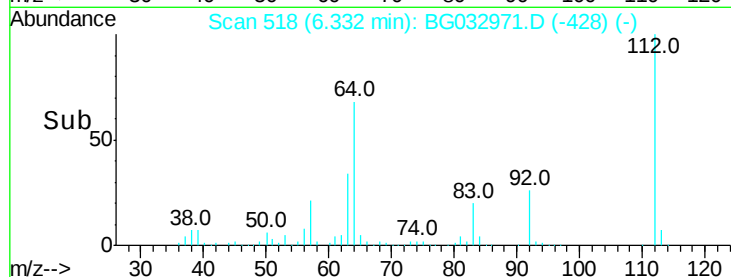
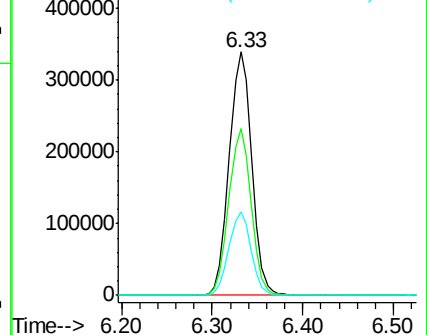
63 34.4 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 130.468 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032971.D

Acq: 3 Mar 2018 7:58

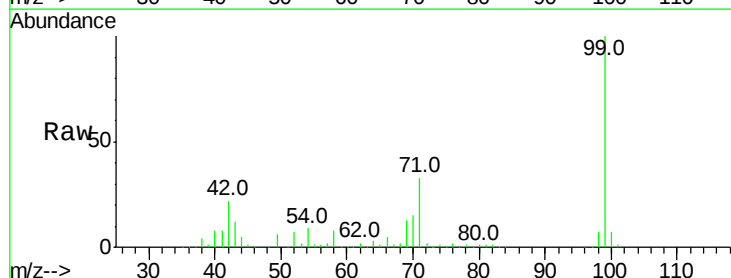
Tgt Ion: 99 Resp: 727825

Ion Ratio Lower Upper

99 100

42 21.9 14.1 21.1#

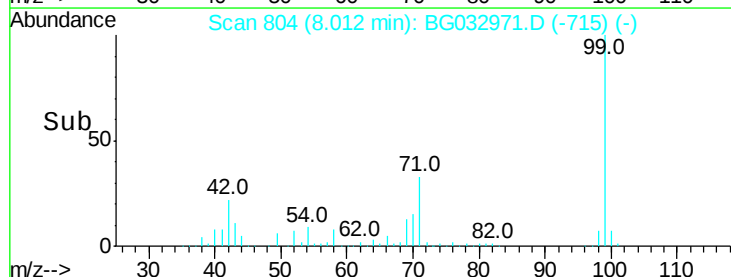
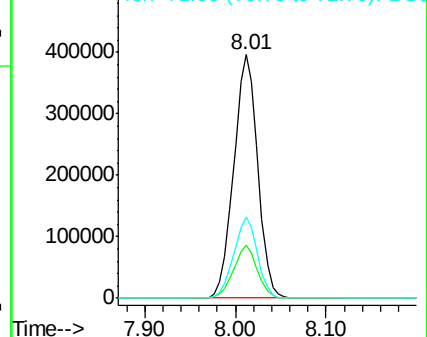
71 33.1 26.1 39.1

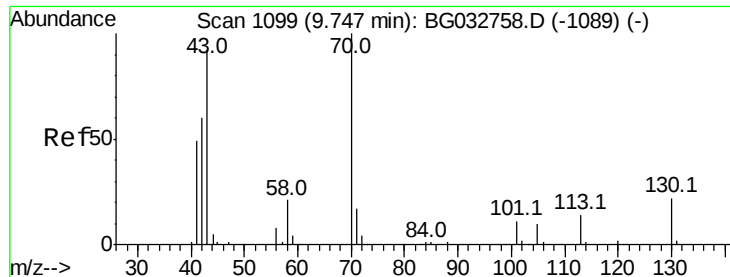


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

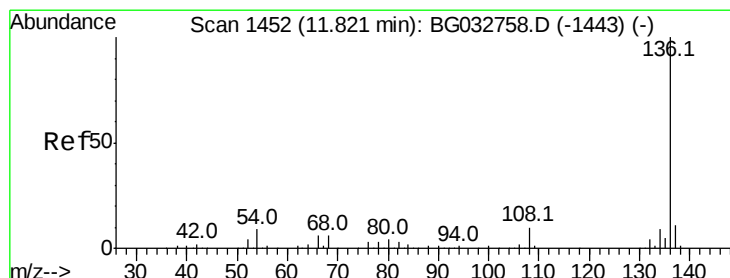
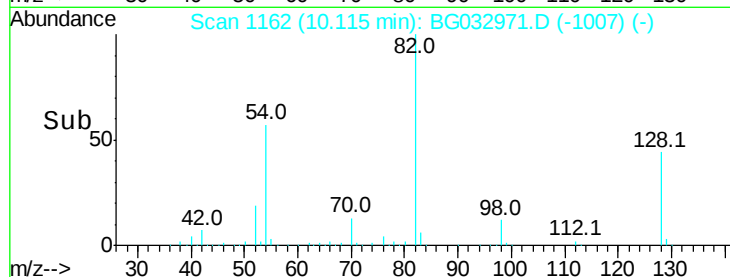
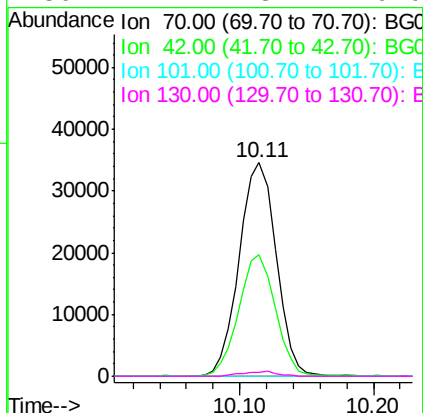
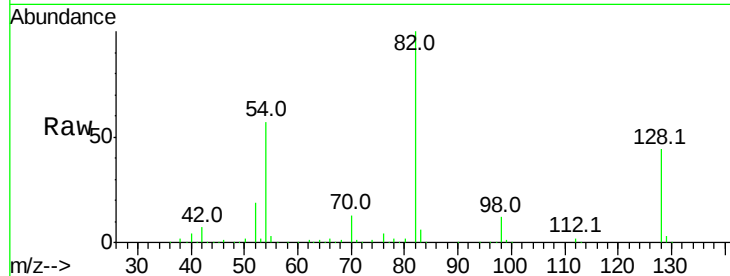




#19
 n-Nitroso-di-n-propylamine
 Concen: 16.876 ng
 RT: 10.11 min Scan# 1162
 Delta R.T. 0.38 min
 Lab File: BG032971.D
 Acq: 3 Mar 2018 7:58

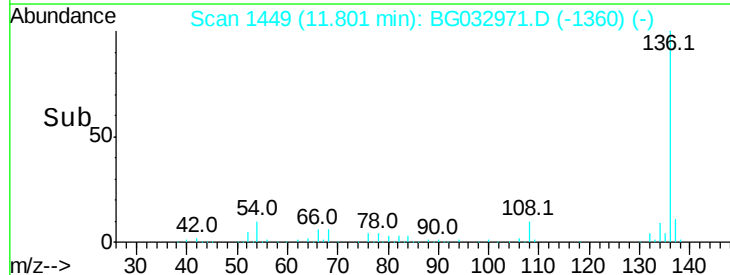
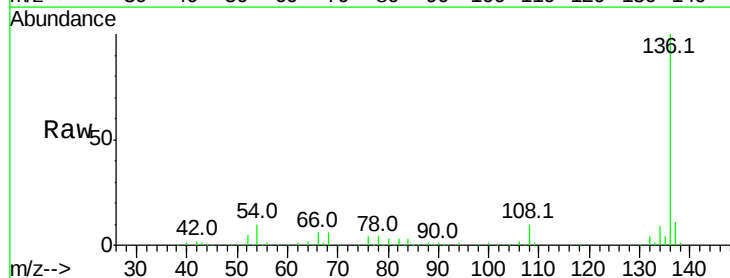
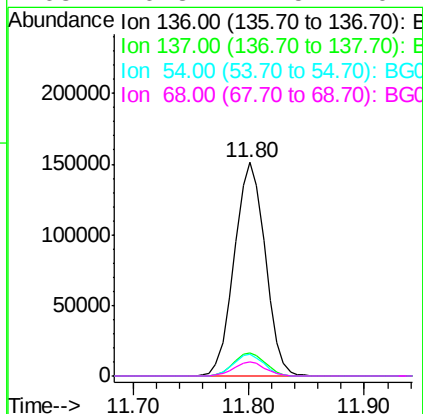
Instrument :
 BNA_G
 ClientSampleId :

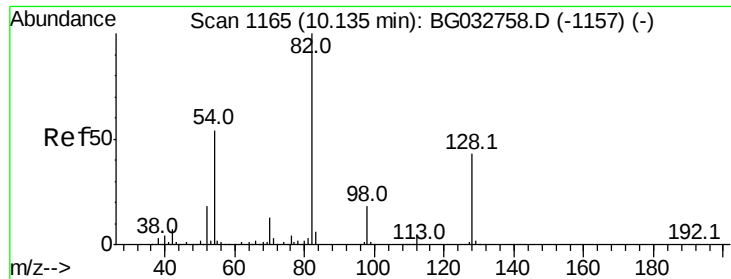
Tot Ion: 70 Resp: 66462
 Ion Ratio Lower Upper
 70 100
 42 57.2 49.1 73.7
 101 0.0 8.5 12.7#
 130 2.1 13.4 20.0#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 11.80 min Scan# 1449
 Delta R.T. -0.00 min
 Lab File: BG032971.D
 Acq: 3 Mar 2018 7:58

Tgt Ion: 136 Resp: 279905
 Ion Ratio Lower Upper
 136 100
 137 11.1 9.2 13.8
 54 10.2 10.3 15.5#
 68 6.3 4.5 6.7

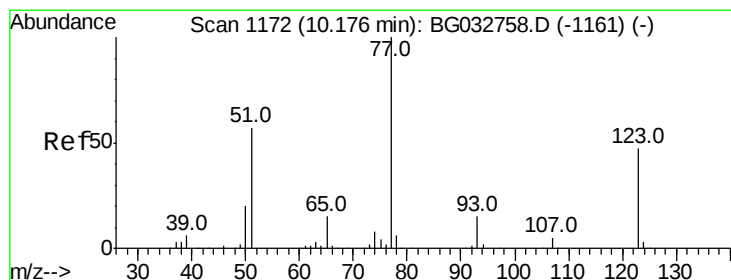
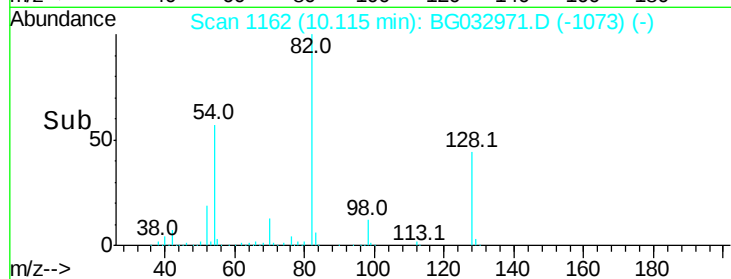
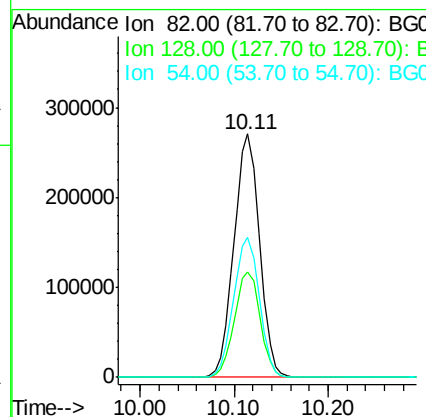
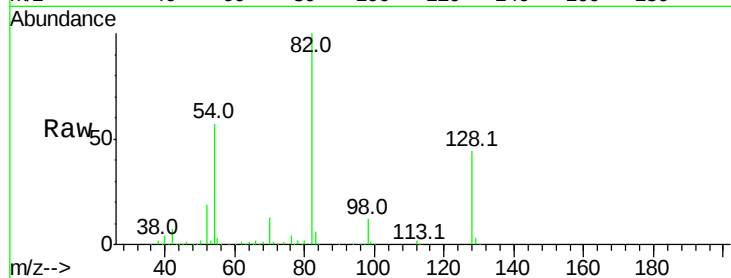




#23
 Nitrobenzene-d5
 Concen: 122.084 ng
 RT: 10.11 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: BG032971.D
 Acq: 3 Mar 2018 7:58

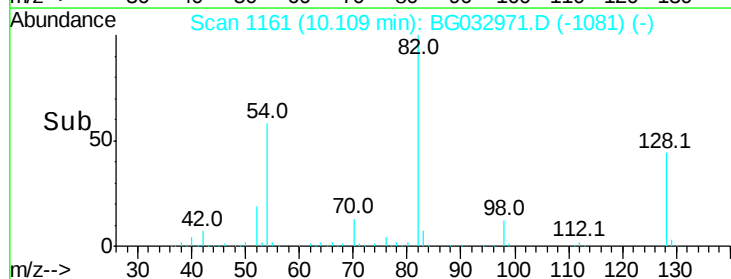
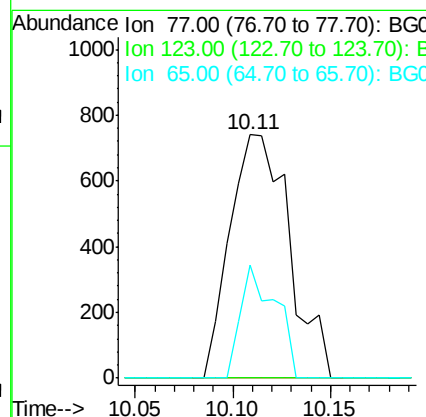
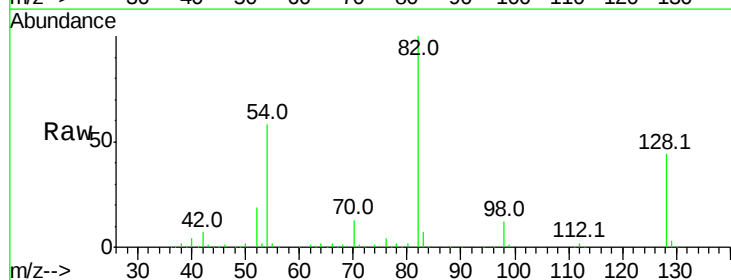
Instrument :
 BNA_G
 ClientSampleId :

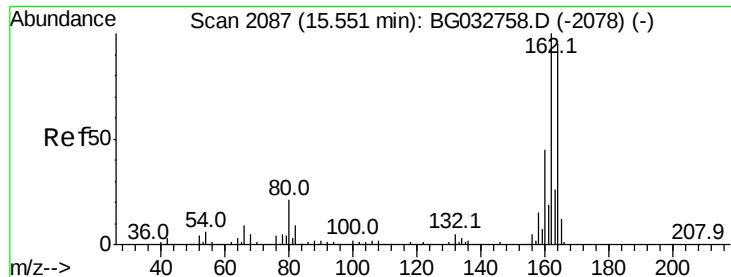
Tot Ion: 82 Resp: 512171
 Ion Ratio Lower Upper
 82 100
 128 43.5 29.7 44.5
 54 57.4 43.1 64.7



#24
 Nitrobenzene
 Concen: 6.683 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.06 min
 Lab File: BG032971.D
 Acq: 3 Mar 2018 7:58

Tgt Ion: 77 Resp: 1560
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 46.4 13.0 19.6#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2084

Delta R.T. -0.00 min

Lab File: BG032971.D

Acq: 3 Mar 2018 7:58

Instrument :

BNA_G

ClientSampleId :

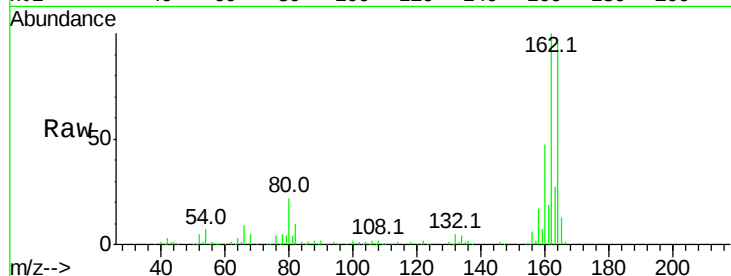
Tot Ion:164 Resp: 156743

Ion Ratio Lower Upper

164 100

162 104.7 78.8 118.2

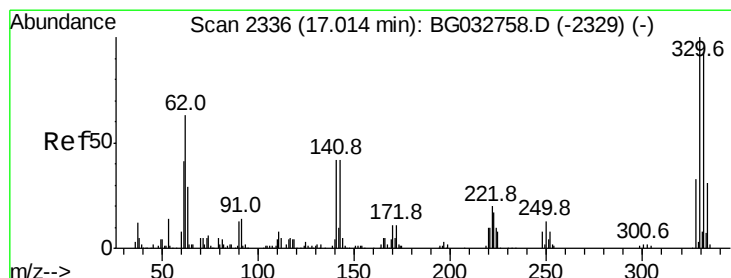
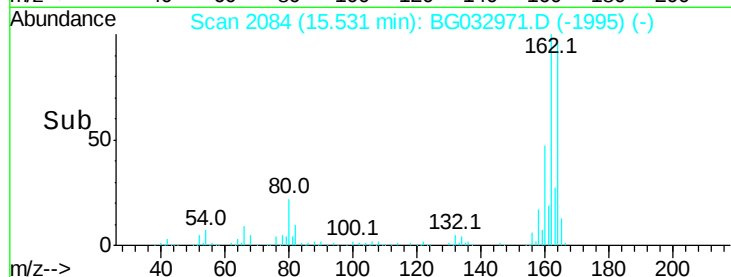
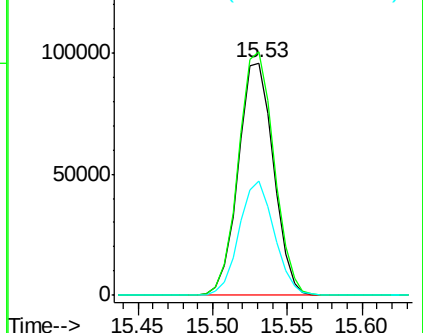
160 49.3 35.4 53.0



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: 151.349 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.00 min

Lab File: BG032971.D

Acq: 3 Mar 2018 7:58

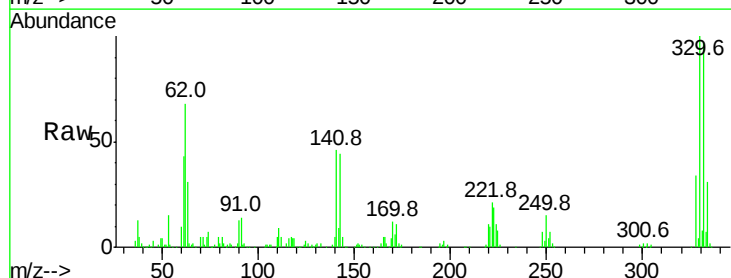
Tgt Ion:330 Resp: 249438

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

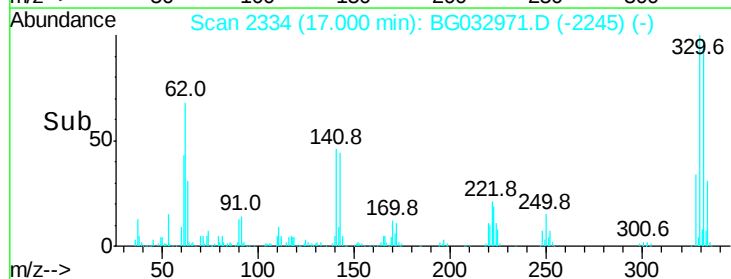
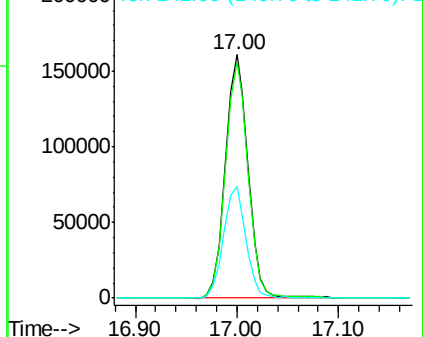
141 45.2 25.2 37.8#

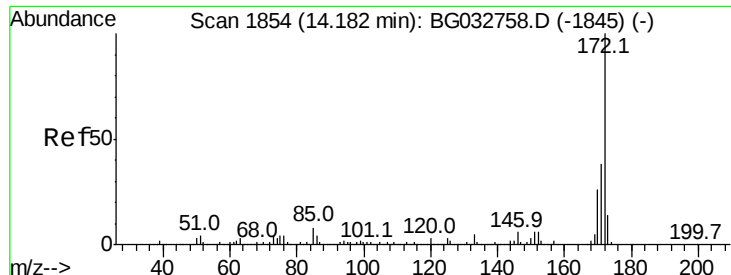


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



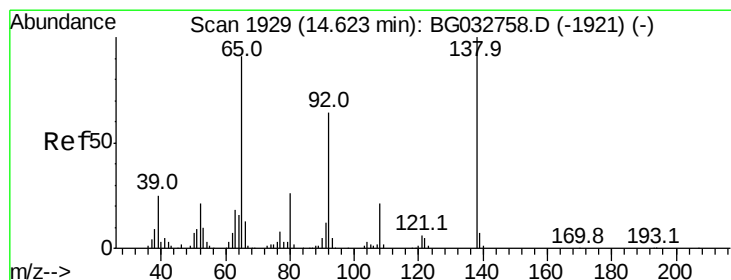
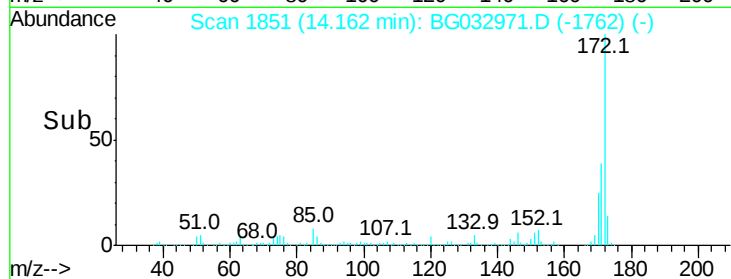
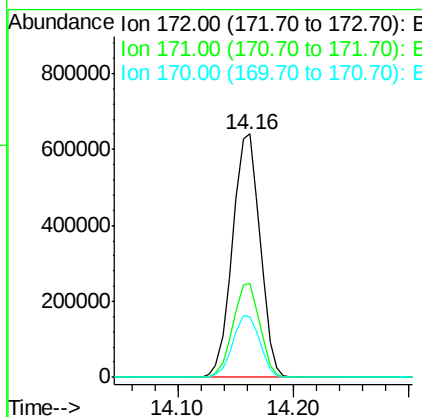
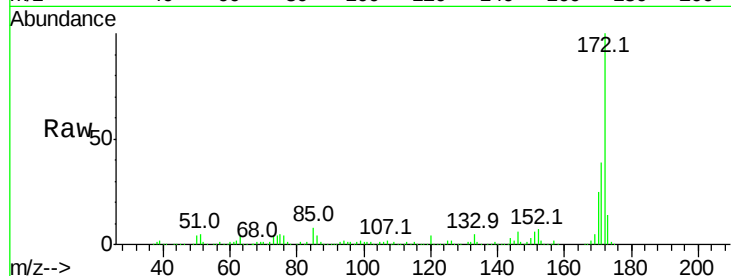


#44
 2-Fluorobiphenyl
 Concen: 97.412 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: BG032971.D
 Acq: 3 Mar 2018 7:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1058666

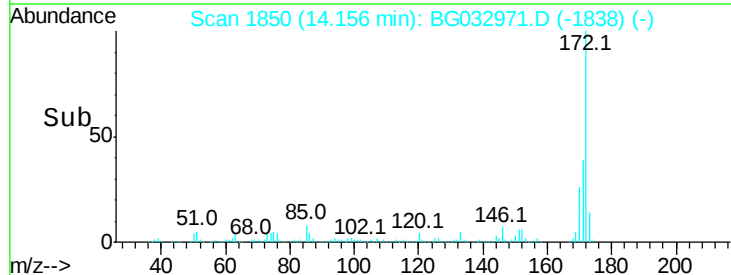
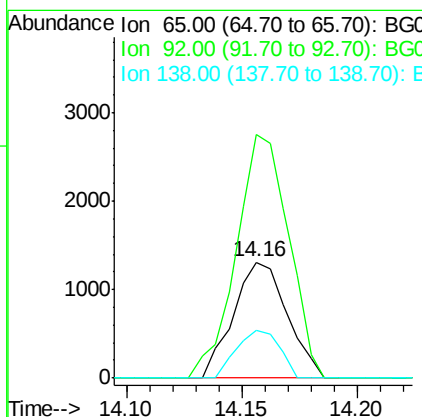
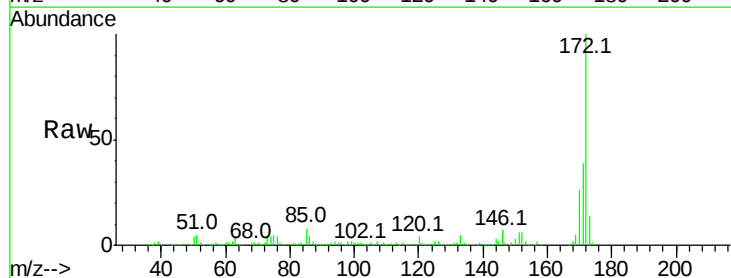
Ion	Ratio	Lower	Upper
172	100		
171	38.5	30.0	45.0
170	25.1	19.5	29.3

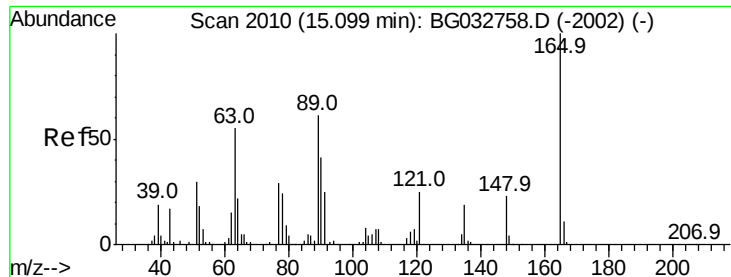


#47
 2-Nitroaniline
 Concen: 10.488 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.46 min
 Lab File: BG032971.D
 Acq: 3 Mar 2018 7:58

Tgt Ion: 65 Resp: 2116

Ion	Ratio	Lower	Upper
65	100		
92	210.2	54.6	82.0#
138	41.6	72.9	109.3#





#50

2,6-Dinitrotoluene

Concen: 16.282 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.44 min

Lab File: BG032971.D

Acq: 3 Mar 2018 7:58

Instrument :

BNA_G

ClientSampleId :

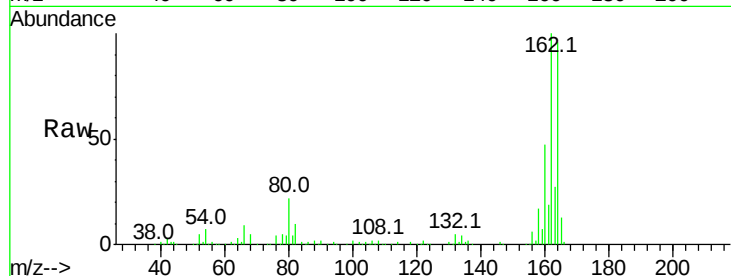
Tot Ion:165 Resp: 19968

Ion Ratio Lower Upper

165 100

63 1.9 52.7 79.1#

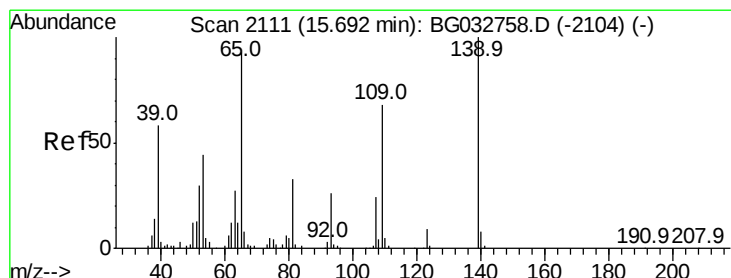
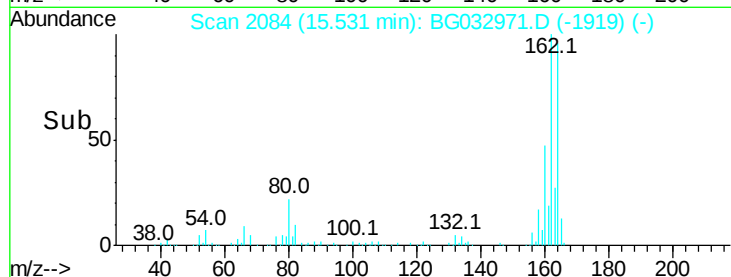
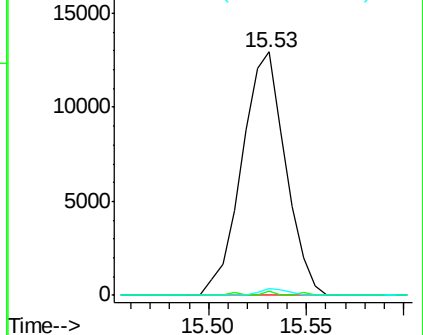
89 2.8 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#55

4-Nitrophenol

Concen: 7.114 ng

RT: 15.91 min Scan# 2149

Delta R.T. 0.23 min

Lab File: BG032971.D

Acq: 3 Mar 2018 7:58

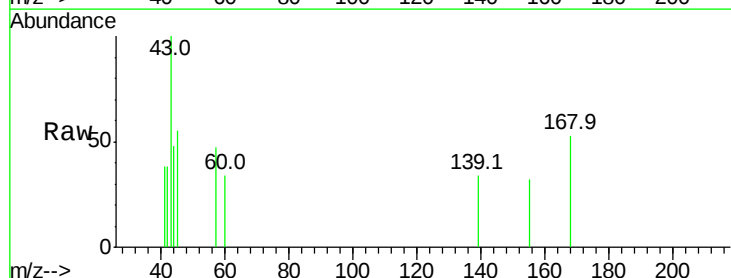
Tgt Ion:139 Resp: 80

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

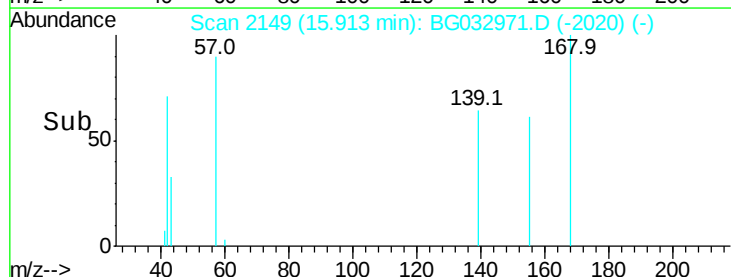
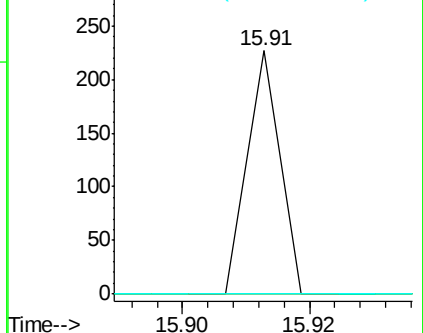
65 0.0 97.2 137.2#

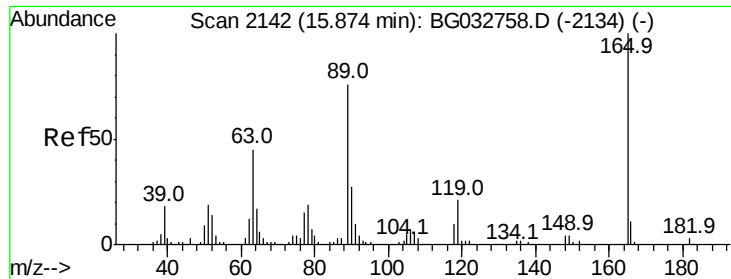


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

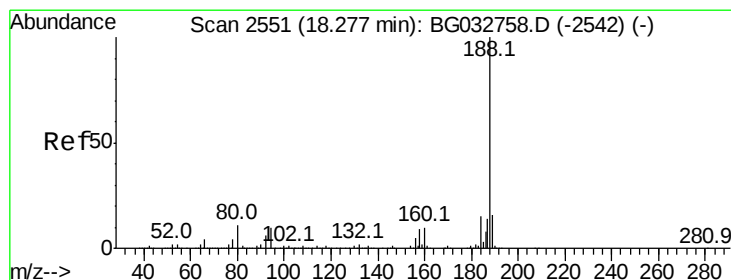
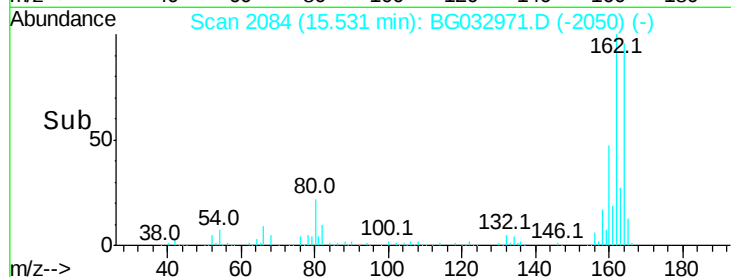
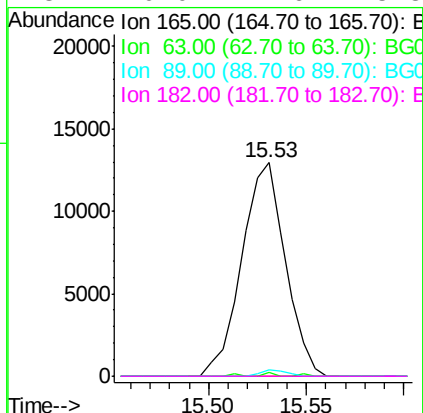
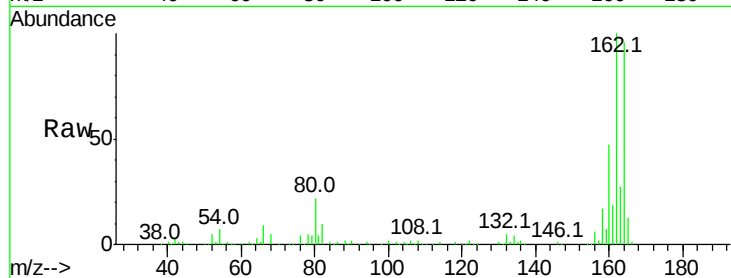




#56
 2,4-Dinitrotoluene
 Concen: 14.480 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. -0.33 min
 Lab File: BG032971.D
 Acq: 3 Mar 2018 7:58

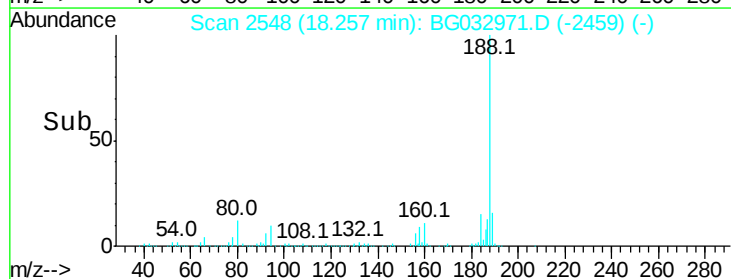
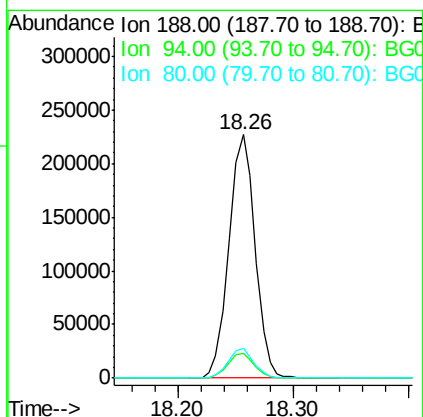
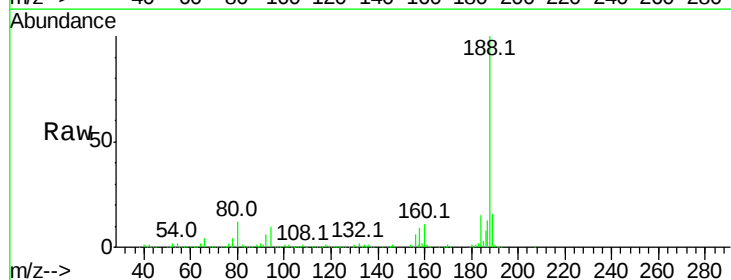
Instrument :
 BNA_G
 ClientSampleId :

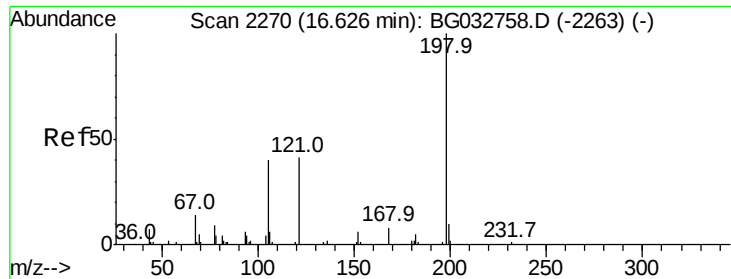
Tot Ion:	165	Resp:	19968
Ion	Ratio	Lower	Upper
165	100		
63	1.9	42.0	63.0#
89	2.8	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: BG032971.D
 Acq: 3 Mar 2018 7:58

Tgt Ion:	188	Resp:	356056
Ion	Ratio	Lower	Upper
188	100		
94	10.3	6.9	10.3#
80	12.1	7.7	11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.689 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.38 min

Lab File: BG032971.D

Acq: 3 Mar 2018 7:58

Instrument :

BNA_G

ClientSampleId :

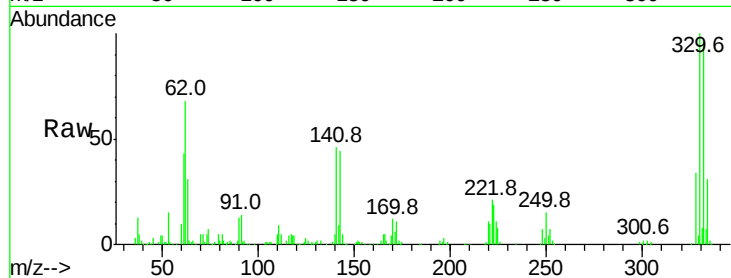
Tot Ion:198 Resp: 620

Ion Ratio Lower Upper

198 100

51 170.4 30.6 70.6#

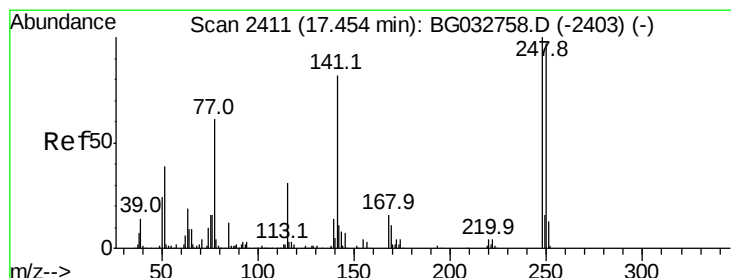
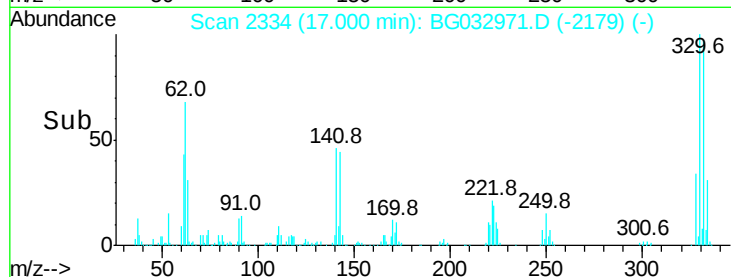
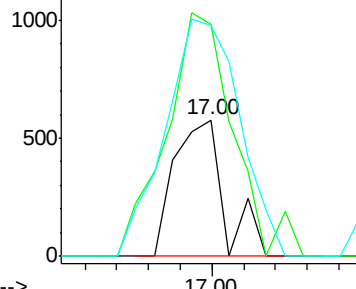
105 169.0 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.737 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.43 min

Lab File: BG032971.D

Acq: 3 Mar 2018 7:58

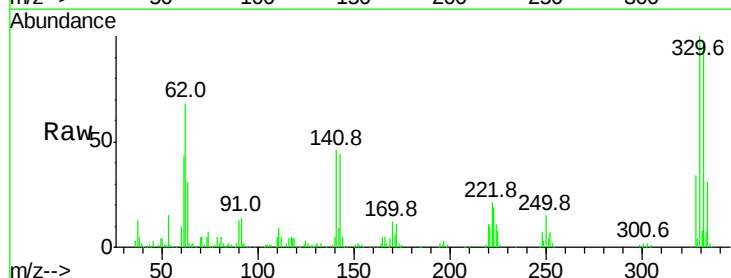
Tgt Ion:248 Resp: 17836

Ion Ratio Lower Upper

248 100

250 212.9 77.1 115.7#

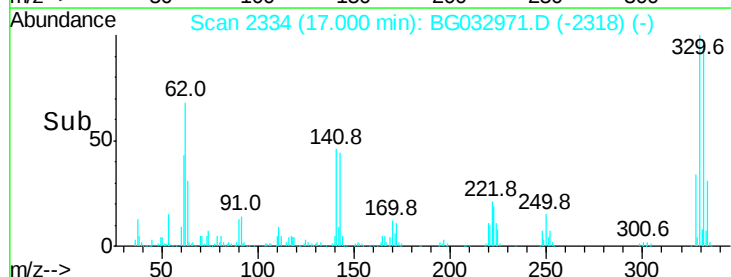
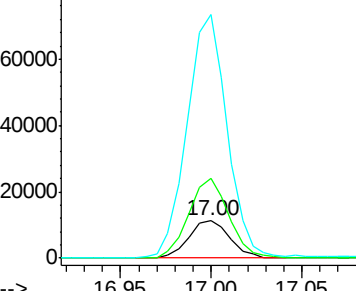
141 651.1 50.8 76.2#

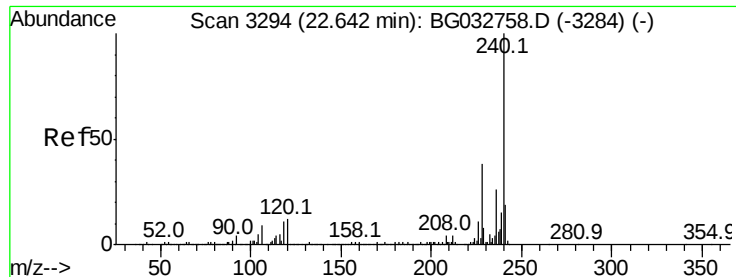


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3289

Delta R.T. -0.01 min

Lab File: BG032971.D

Acq: 3 Mar 2018 7:58

Instrument :

BNA_G

ClientSampleId :

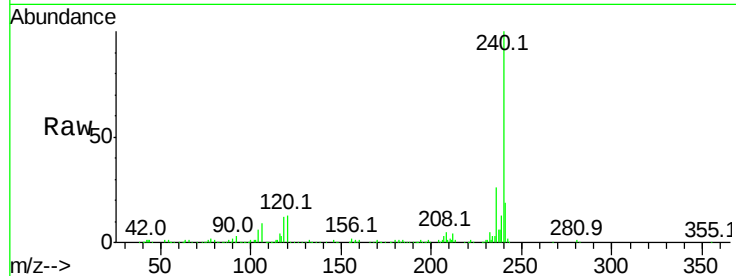
Tot Ion:240 Resp: 319918

Ion Ratio Lower Upper

240 100

120 13.0 6.8 10.2#

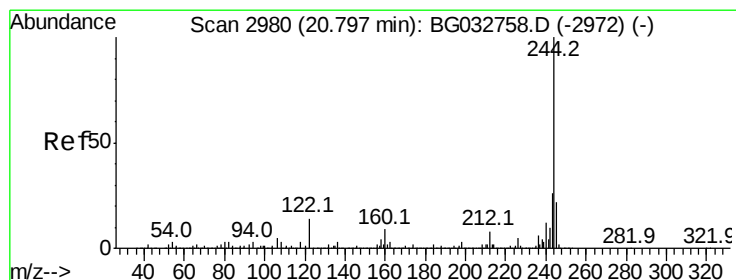
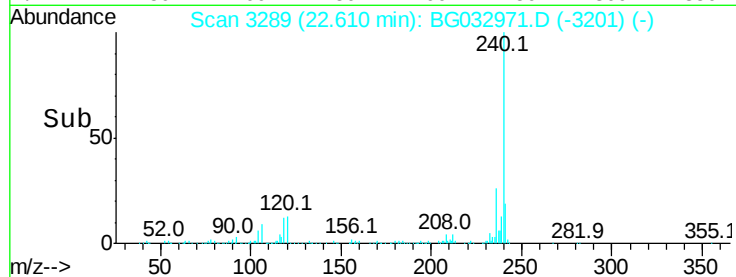
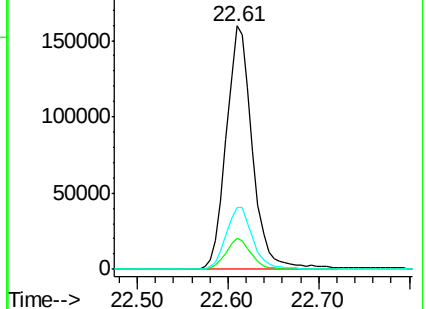
236 25.5 20.9 31.3



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



#78

Terphenyl-d14

Concen: 108.287 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.00 min

Lab File: BG032971.D

Acq: 3 Mar 2018 7:58

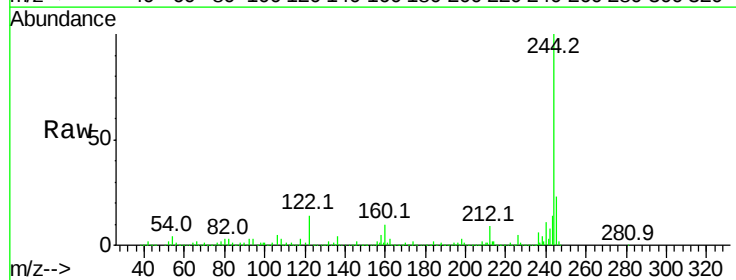
Tgt Ion:244 Resp: 1541928

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

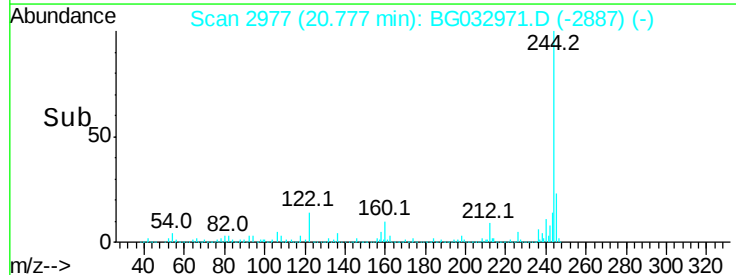
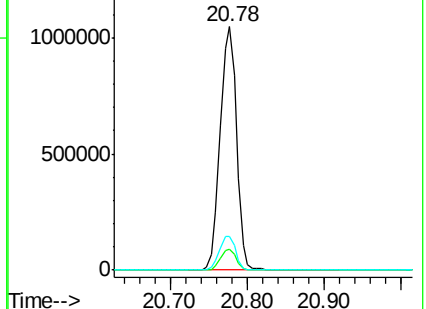
122 14.1 7.0 10.4#

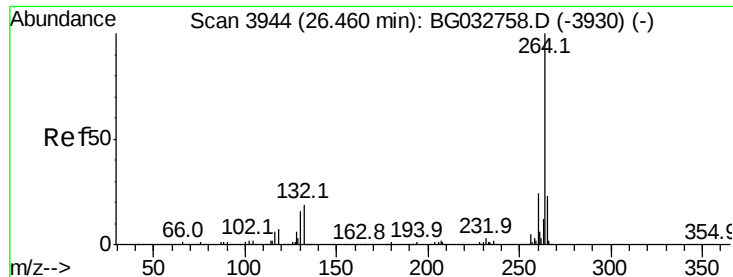


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.42 min Scan# 3937
Delta R.T. -0.01 min
Lab File: BG032971.D
Acq: 3 Mar 2018 7:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.0
265	21.9	17.7	26.5

