

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030118\
 Data File : BG032922.D
 Acq On : 1 Mar 2018 18:14
 Operator : SJ/JU
 Sample : J1402-14
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 02 10:02:41 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	8.91	152	57590	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	253336	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	144642	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	323023	20.00	ng	0.00
75) Chrysene-d12	22.61	240	301495	20.00	ng	0.00
86) Perylene-d12	26.43	264	288156	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	434080	120.59	ng	0.00
7) Phenol-d6	8.01	99	533188	106.27	ng	0.00
23) Nitrobenzene-d5	10.12	82	424348	112.60	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	162602	106.91	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	964312	96.15	ng	0.00
78) Terphenyl-d14	20.78	244	1338717	99.76	ng	0.00

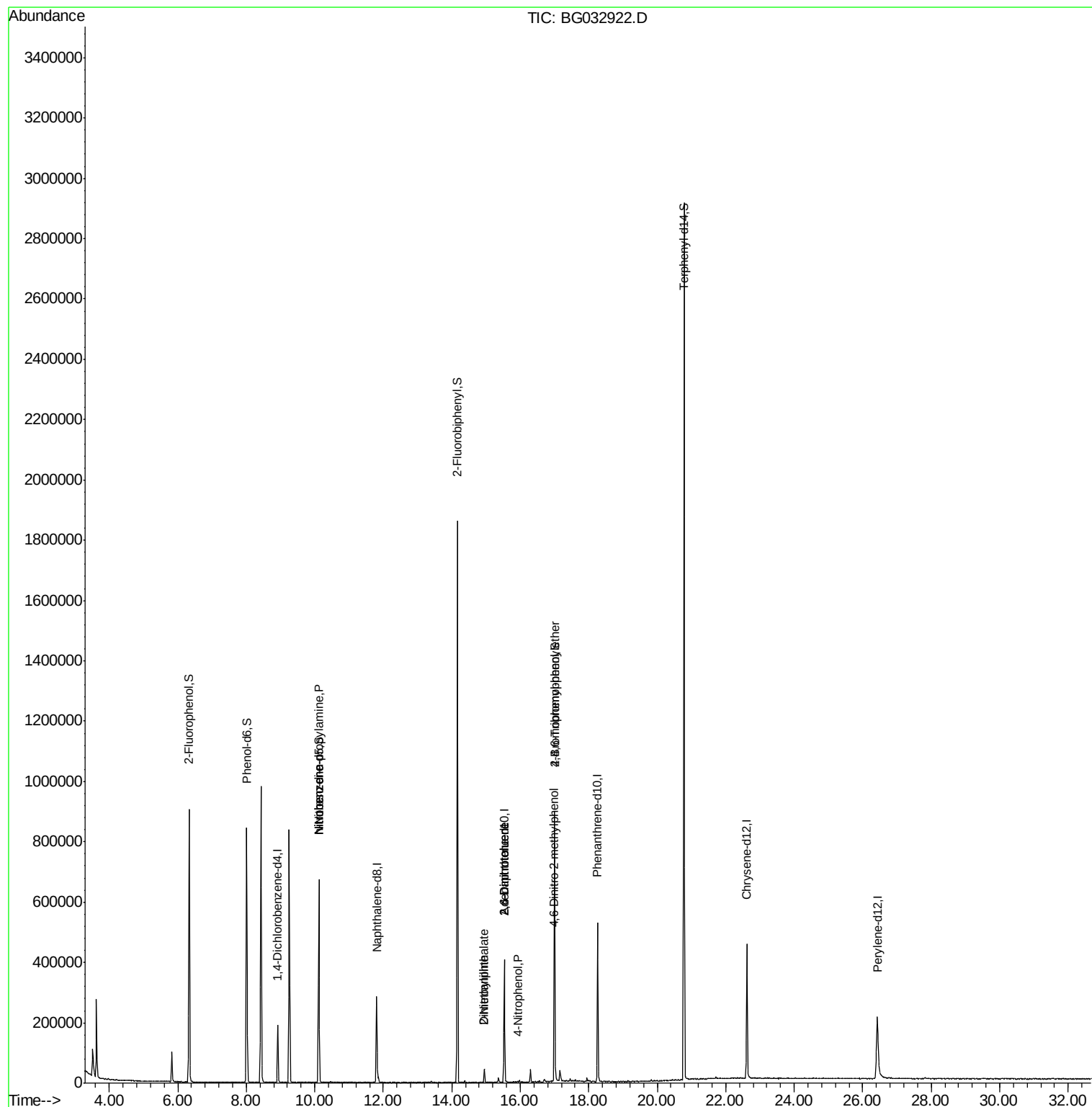
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	55455	15.655	ng	# 81
24) Nitrobenzene	10.12	77	1240	6.646	ng	# 49
47) 2-Nitroaniline	14.95	65	201	9.903	ng	# 1
49) Dimethylphthalate	14.95	163	30451	2.479	ng	# 97
50) 2,6-Dinitrotoluene	15.53	165	19398	16.672	ng	# 19
55) 4-Nitrophenol	15.92	139	876	7.478	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	19398	14.871	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.98	198	191	5.200	ng	# 93
66) 4-Bromophenyl-phenylether	17.00	248	11400	3.338	ng	# 1

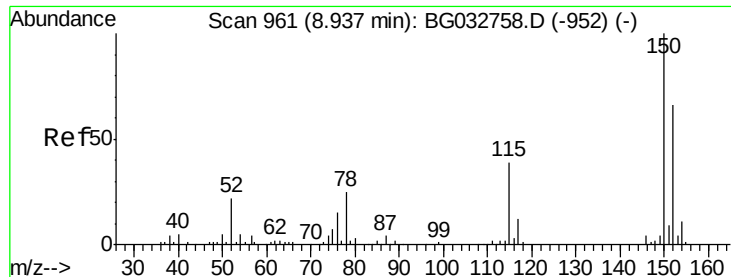
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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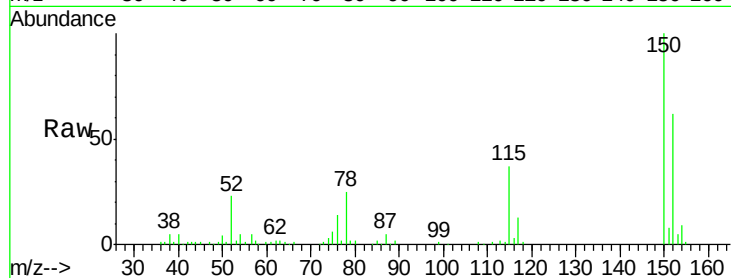


#1

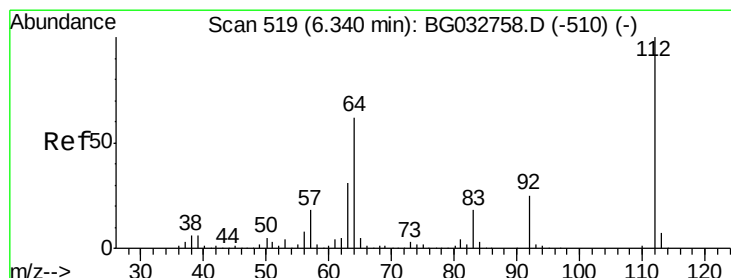
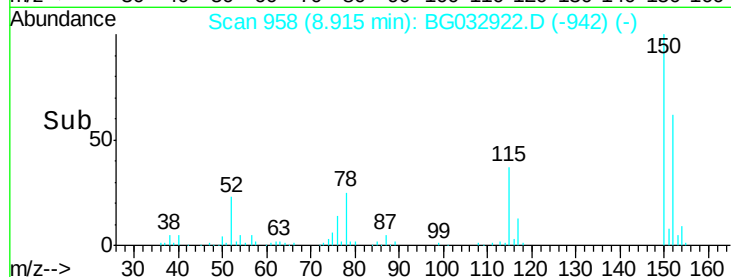
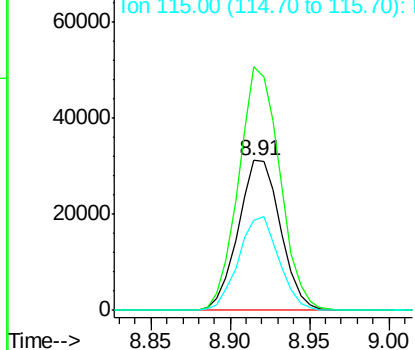
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 958
Delta R.T. -0.01 min
Lab File: BG032922.D
Acq: 1 Mar 2018 18:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 57590
Ion Ratio Lower Upper
152 100
150 162.5 126.6 189.8
115 60.1 53.0 79.4



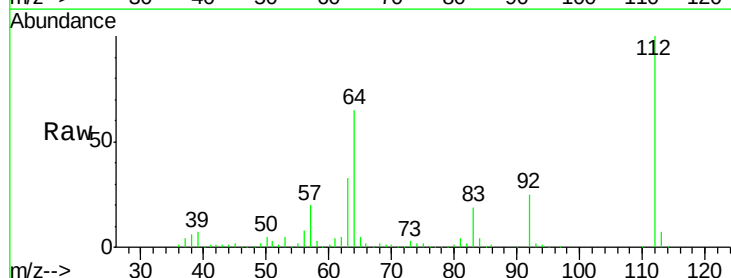
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



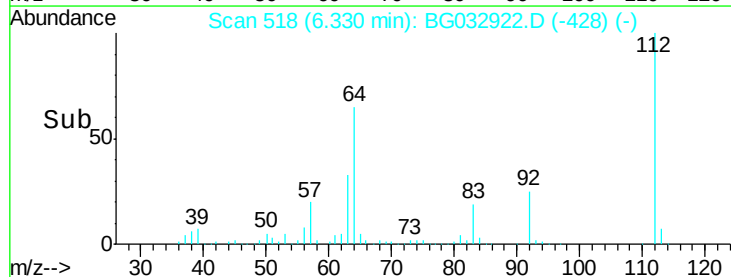
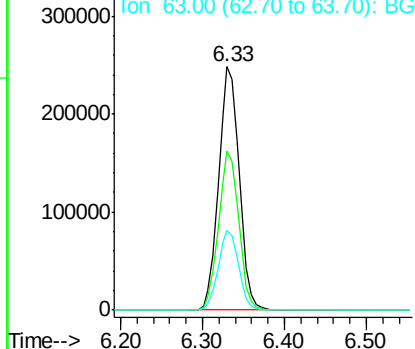
#5

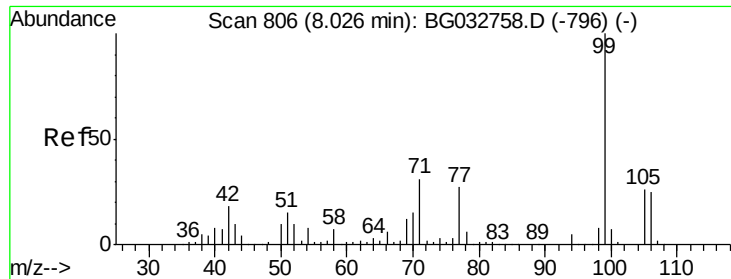
2-Fluorophenol
Concen: 120.588 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.00 min
Lab File: BG032922.D
Acq: 1 Mar 2018 18:14

Tgt Ion:112 Resp: 434080
Ion Ratio Lower Upper
112 100
64 65.5 56.3 84.5
63 32.9 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: 106.266 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.01 min

Lab File: BG032922.D

Acq: 1 Mar 2018 18:14

Instrument :

BNA_G

ClientSampleId :

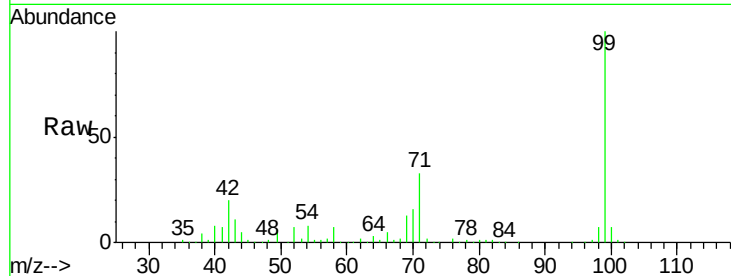
Tot Ion: 99 Resp: 533188

Ion Ratio Lower Upper

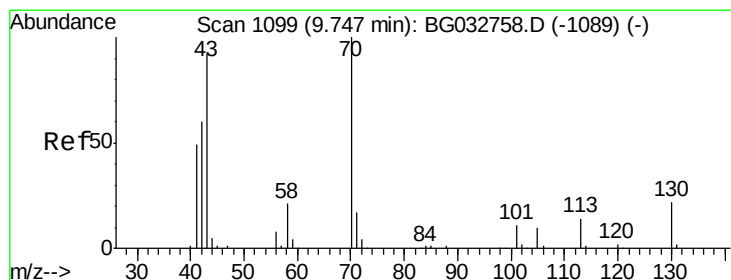
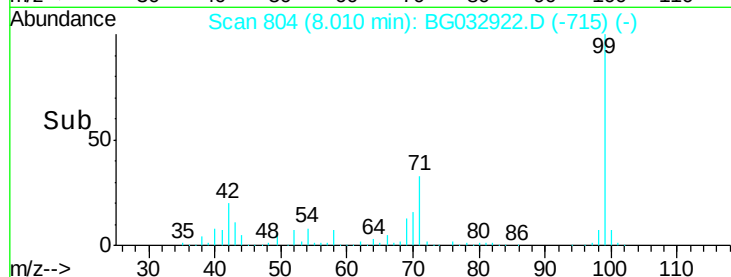
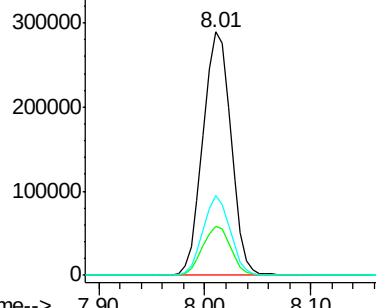
99 100

42 20.4 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: 15.655 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.39 min

Lab File: BG032922.D

Acq: 1 Mar 2018 18:14

Tgt Ion: 70 Resp: 55455

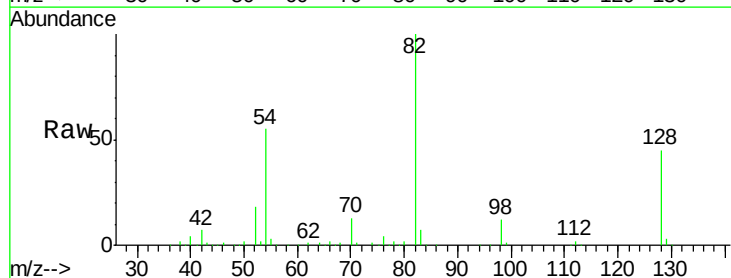
Ion Ratio Lower Upper

70 100

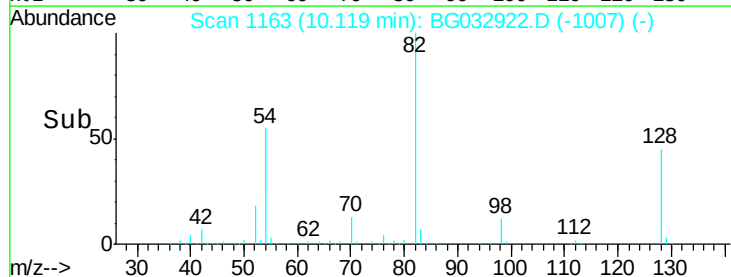
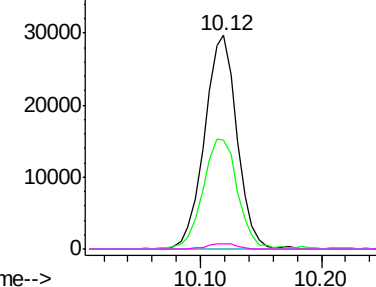
42 50.8 49.1 73.7

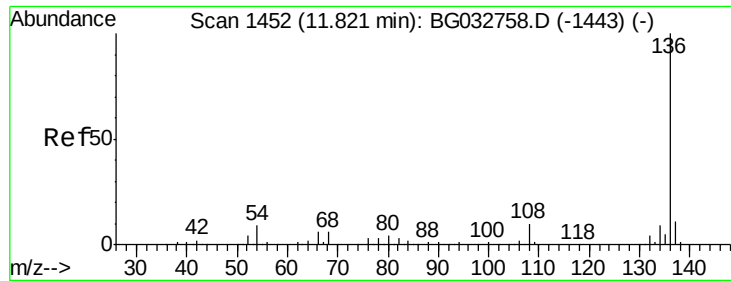
101 0.0 8.5 12.7#

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

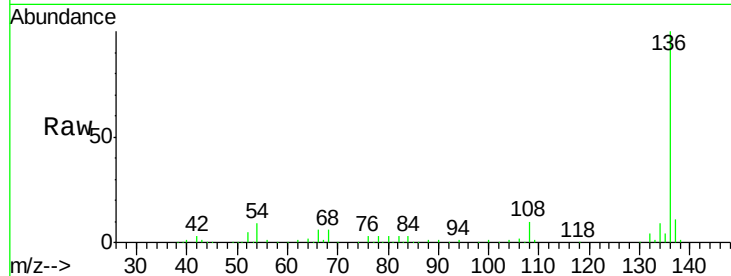




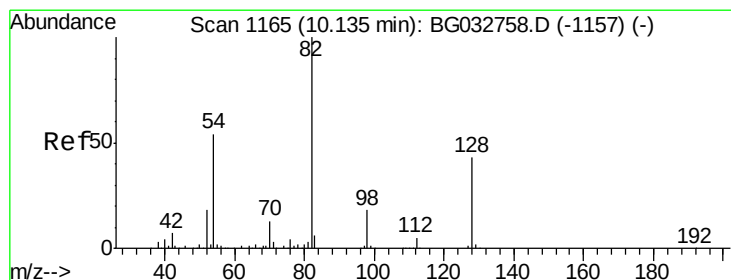
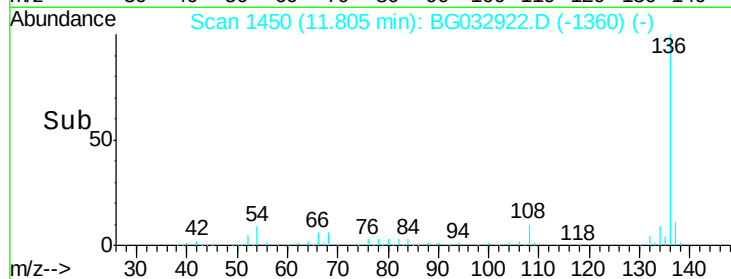
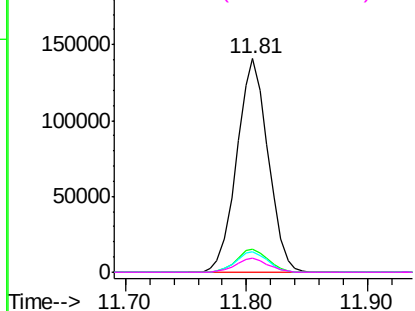
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. 0.00 min
Lab File: BG032922.D
Acq: 1 Mar 2018 18:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	253336
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.2 13.8
54	9.4	10.3 15.5#
68	6.3	4.5 6.7

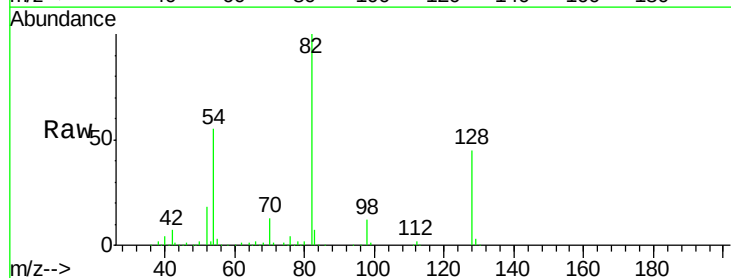


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

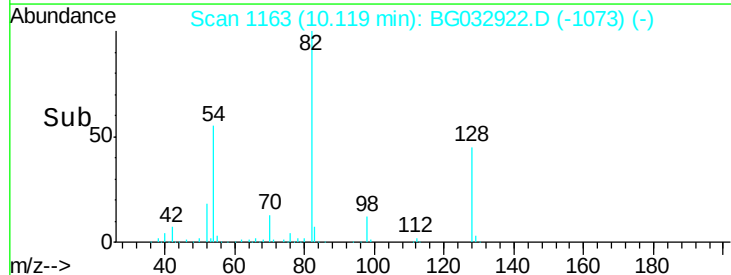
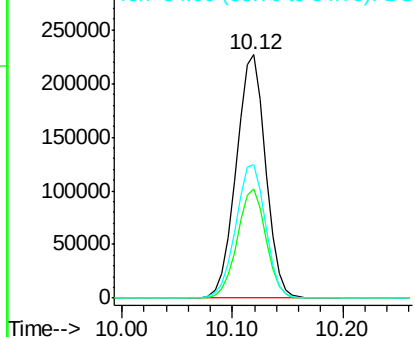


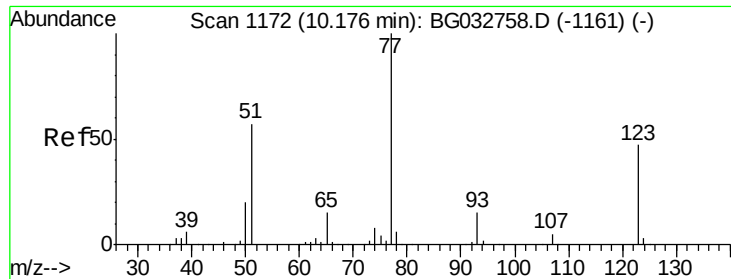
#23
Nitrobenzene-d5
Concen: 112.597 ng
RT: 10.12 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BG032922.D
Acq: 1 Mar 2018 18:14

Tgt Ion: 82	Resp:	424348
Ion Ratio	Lower	Upper
82	100	
128	45.0	29.7 44.5#
54	55.1	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

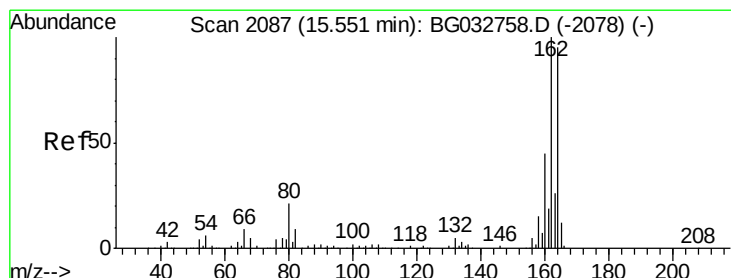
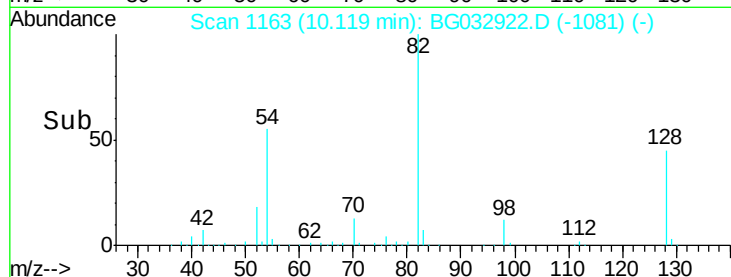
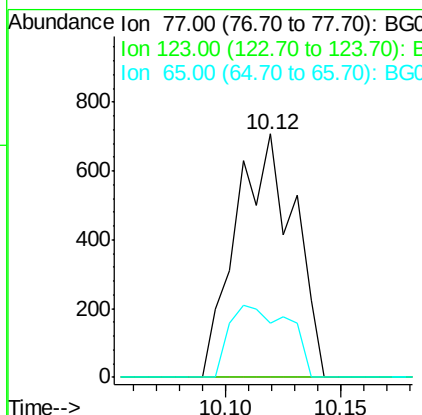
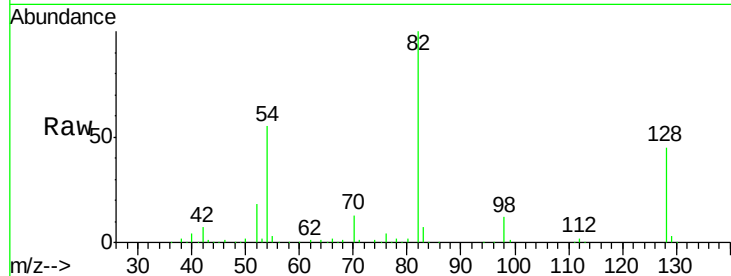




#24
 Nitrobenzene
 Concen: 6.646 ng
 RT: 10.12 min Scan# 1163
 Delta R.T. -0.05 min
 Lab File: BG032922.D
 Acq: 1 Mar 2018 18:14

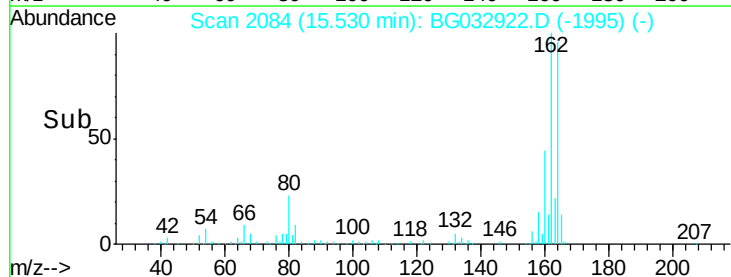
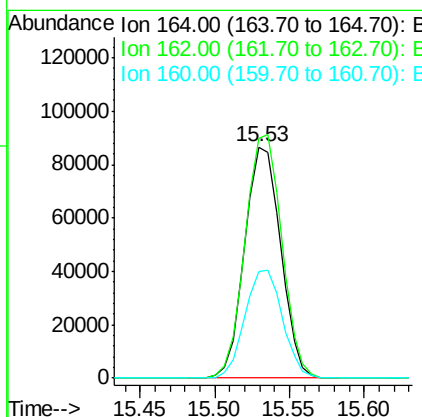
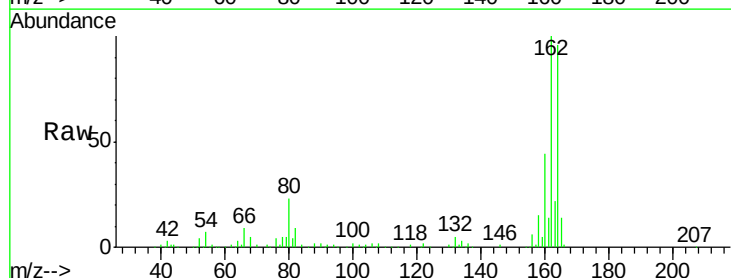
Instrument :
 BNA_G
 ClientSampled :

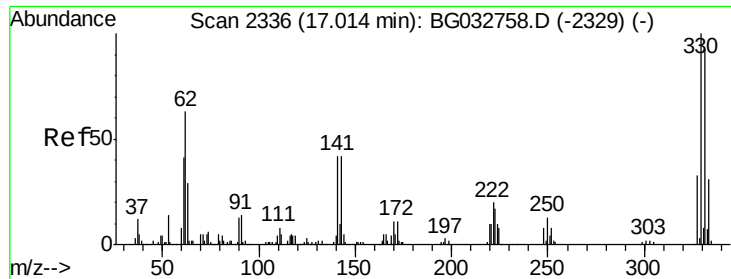
Tot Ion: 77 Resp: 1240
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 22.3 13.0 19.6#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. -0.01 min
 Lab File: BG032922.D
 Acq: 1 Mar 2018 18:14

Tgt Ion:164 Resp: 144642
 Ion Ratio Lower Upper
 164 100
 162 103.9 78.8 118.2
 160 45.9 35.4 53.0

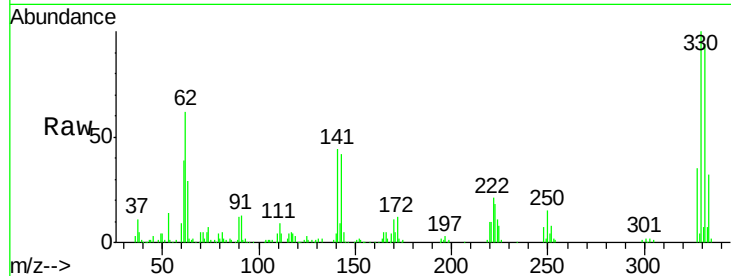




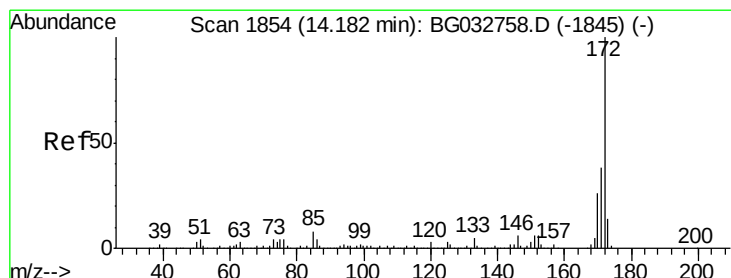
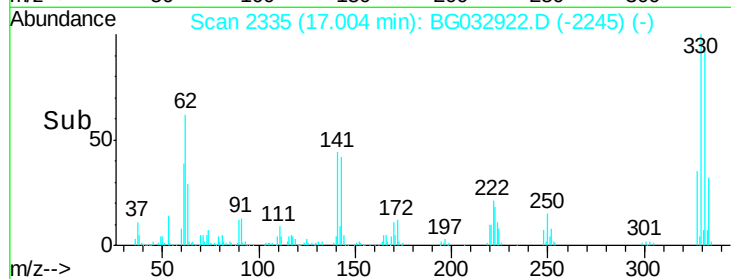
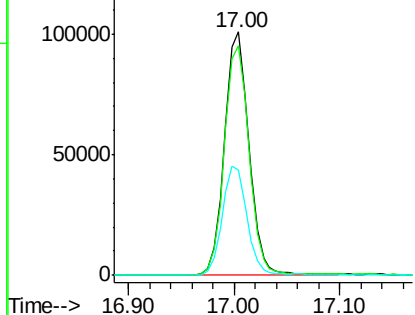
#41
 2,4,6-Tribromophenol
 Concen: 106.914 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. 0.00 min
 Lab File: BG032922.D
 Acq: 1 Mar 2018 18:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 162602
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 45.0 25.2 37.8#

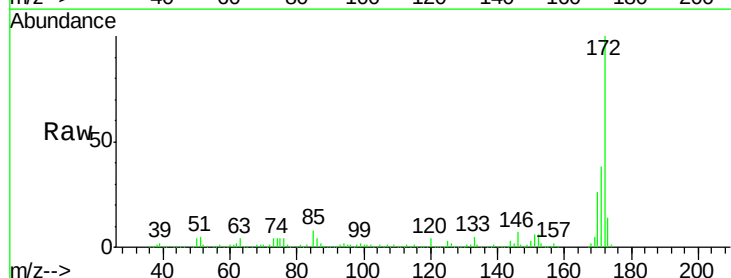


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

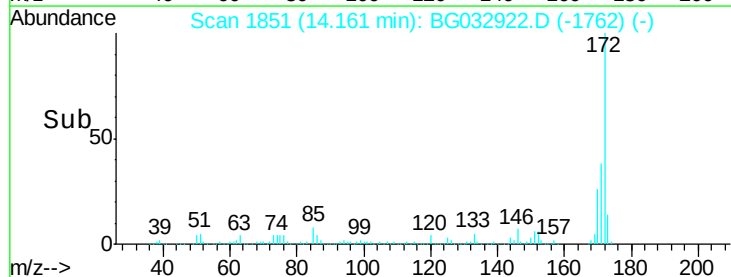
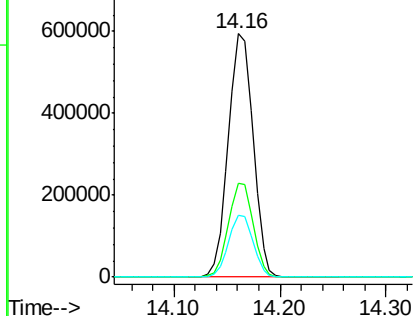


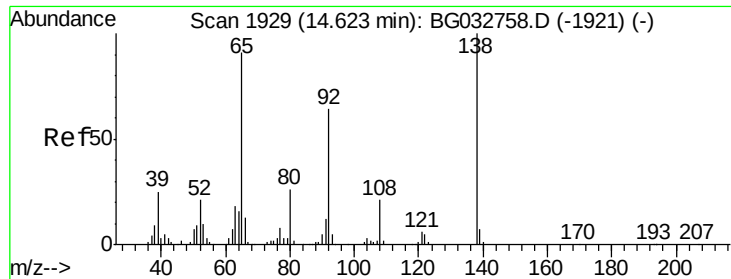
#44
 2-Fluorobiphenyl
 Concen: 96.153 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BG032922.D
 Acq: 1 Mar 2018 18:14

Tgt Ion:172 Resp: 964312
 Ion Ratio Lower Upper
 172 100
 171 38.5 30.0 45.0
 170 25.5 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: 9.903 ng

RT: 14.95 min Scan# 1985

Delta R.T. 0.33 min

Lab File: BG032922.D

Acq: 1 Mar 2018 18:14

Instrument :

BNA_G

ClientSampled :

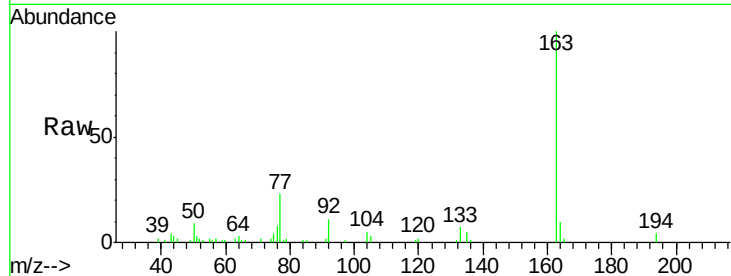
Tot Ion: 65 Resp: 201

Ion Ratio Lower Upper

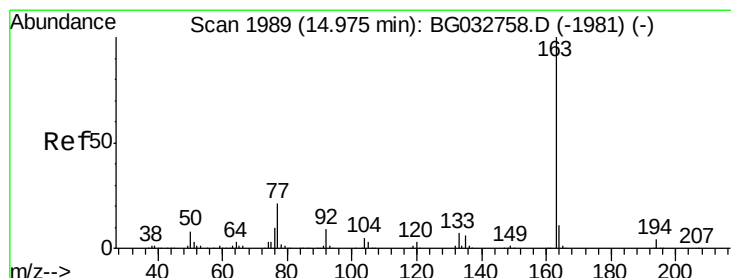
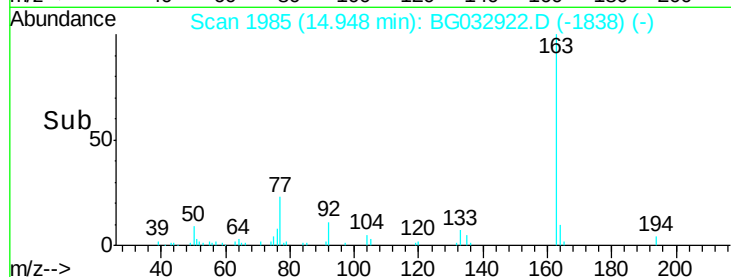
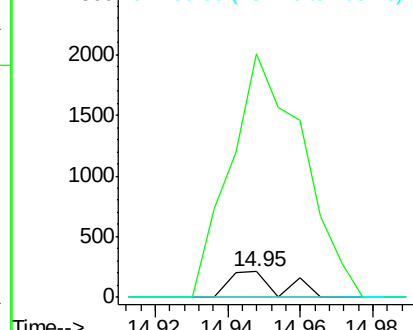
65 100

92 950.7 54.6 82.0#

138 0.0 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



#49

Dimethylphthalate

Concen: 2.479 ng

RT: 14.95 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BG032922.D

Acq: 1 Mar 2018 18:14

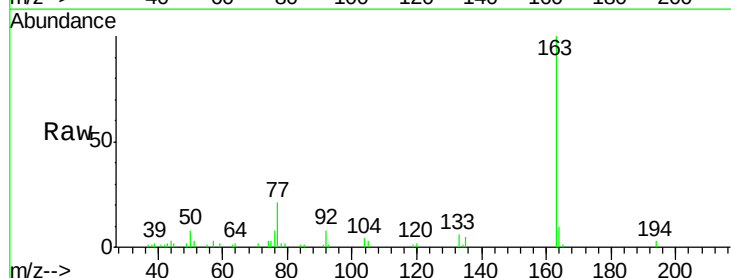
Tgt Ion: 163 Resp: 30451

Ion Ratio Lower Upper

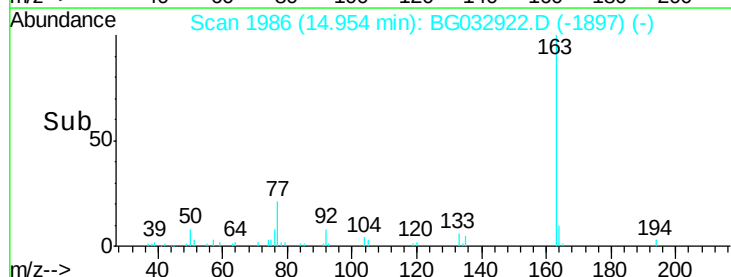
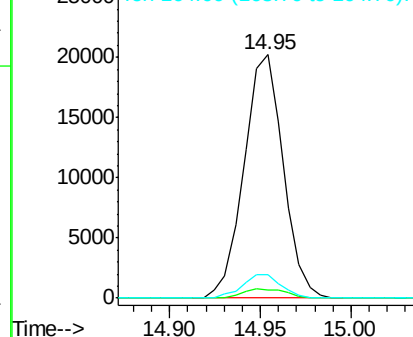
163 100

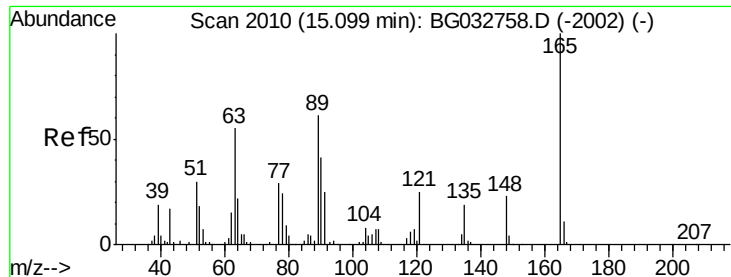
194 3.2 3.4 5.2#

164 9.5 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

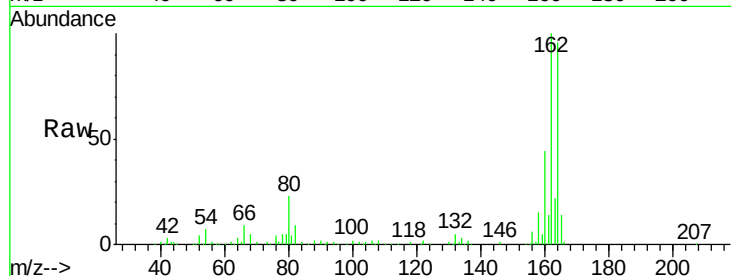




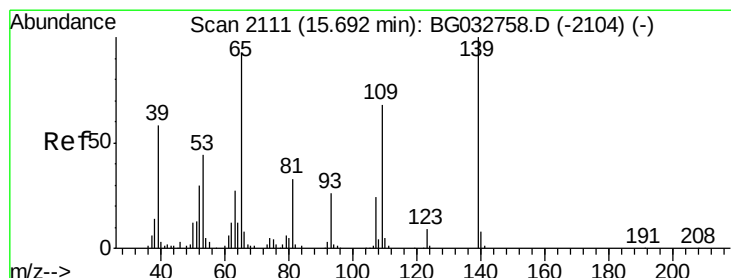
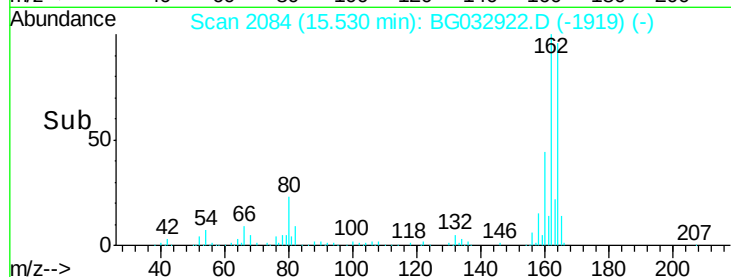
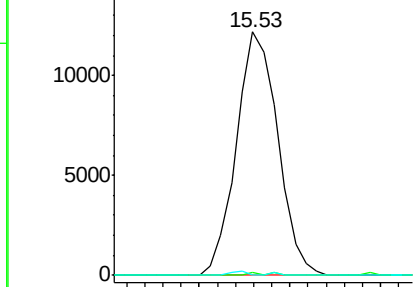
#50
 2,6-Dinitrotoluene
 Concen: 16.672 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. 0.44 min
 Lab File: BG032922.D
 Acq: 1 Mar 2018 18:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 19398
 Ion Ratio Lower Upper
 165 100
 63 1.5 52.7 79.1#
 89 0.0 49.2 73.8#

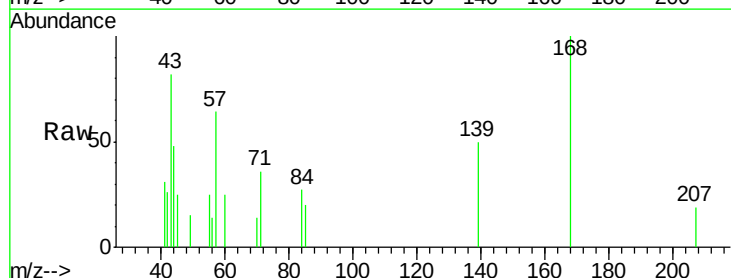


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

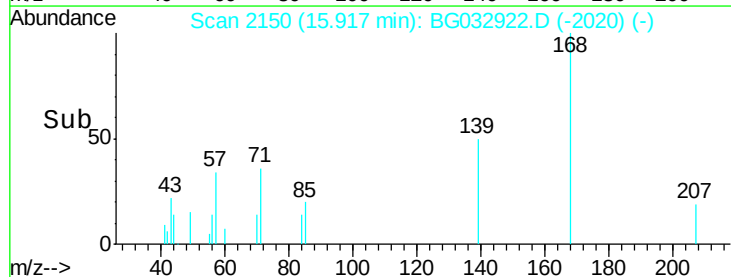
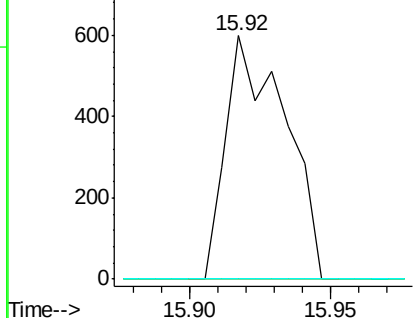


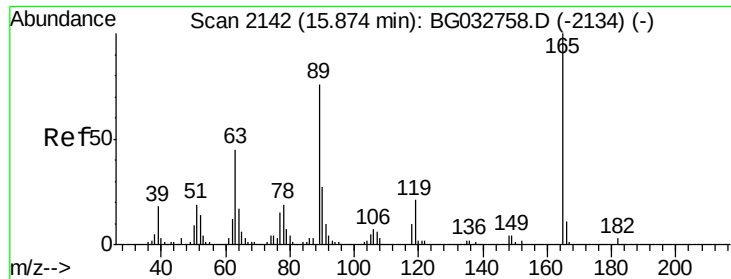
#55
 4-Nitrophenol
 Concen: 7.478 ng
 RT: 15.92 min Scan# 2150
 Delta R.T. 0.24 min
 Lab File: BG032922.D
 Acq: 1 Mar 2018 18:14

Tgt Ion:139 Resp: 876
 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

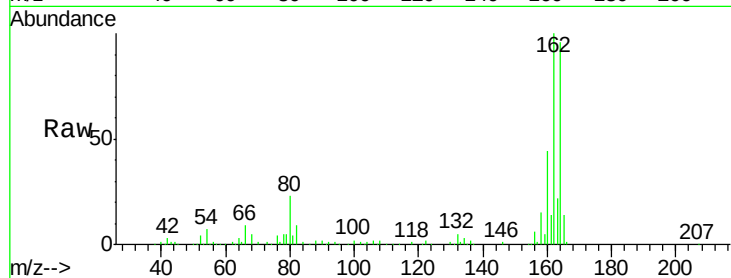




#56
 2,4-Dinitrotoluene
 Concen: 14.871 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. -0.33 min
 Lab File: BG032922.D
 Acq: 1 Mar 2018 18:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	165	Resp:	19398
Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

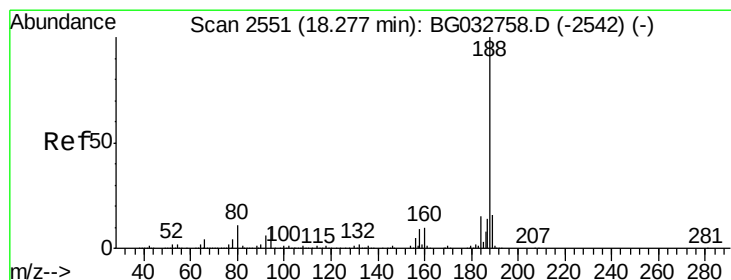
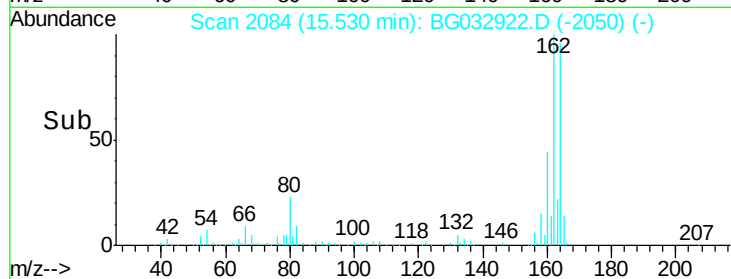
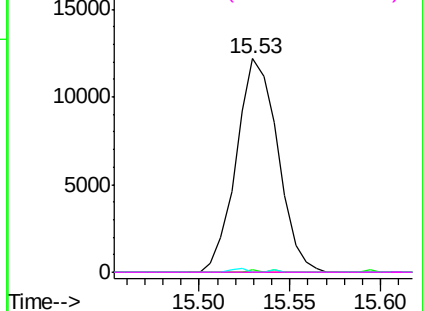


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

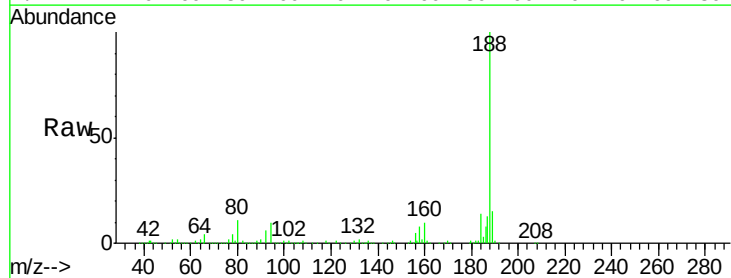
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: BG032922.D
 Acq: 1 Mar 2018 18:14

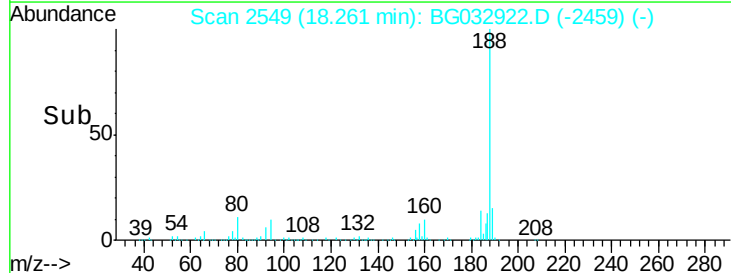
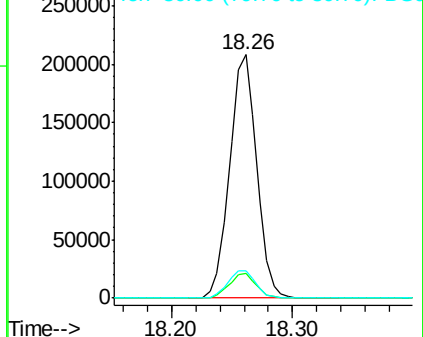
Tgt Ion:	188	Resp:	323023
Ion	Ratio	Lower	Upper
188	100		
94	10.1	6.9	10.3
80	11.1	7.7	11.5

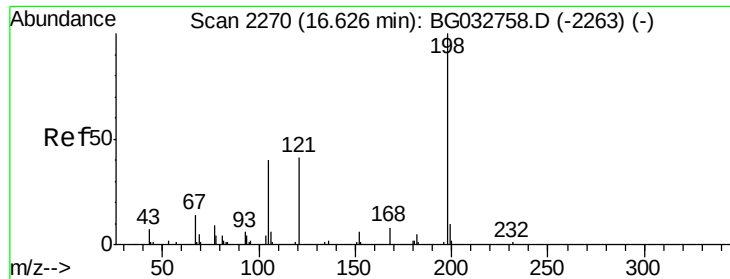


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 5.200 ng

RT: 16.98 min Scan# 2331

Delta R.T. 0.36 min

Lab File: BG032922.D

Acq: 1 Mar 2018 18:14

Instrument :

BNA_G

ClientSampled :

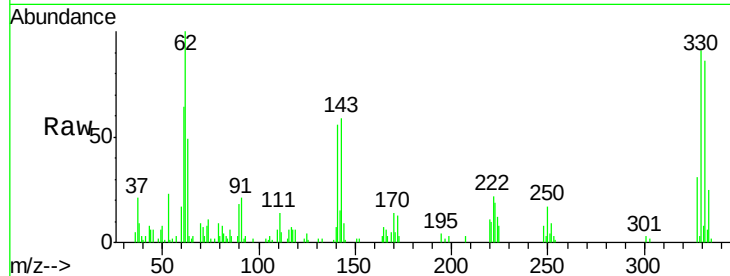
Tot Ion:198 Resp: 191

Ion Ratio Lower Upper

198 100

51 42.0 30.6 70.6

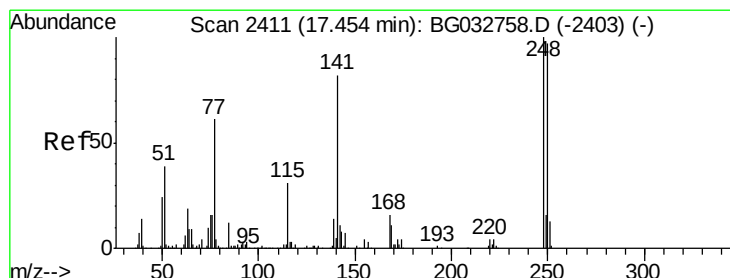
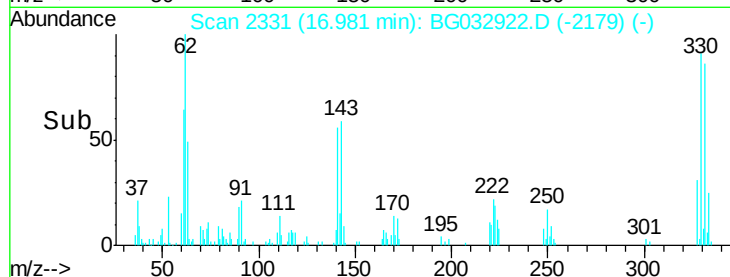
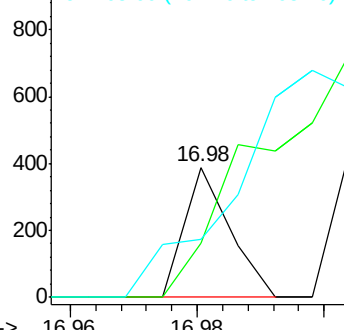
105 44.6 23.8 63.8



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: 3.338 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.43 min

Lab File: BG032922.D

Acq: 1 Mar 2018 18:14

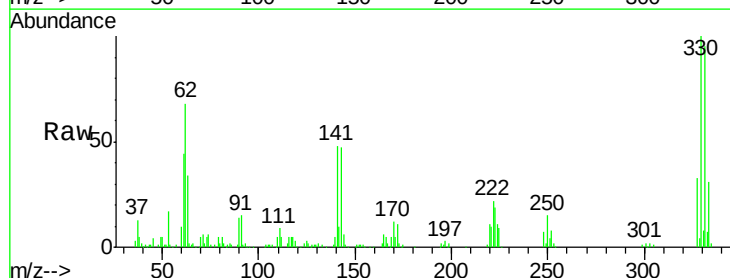
Tgt Ion:248 Resp: 11400

Ion Ratio Lower Upper

248 100

250 196.5 77.1 115.7#

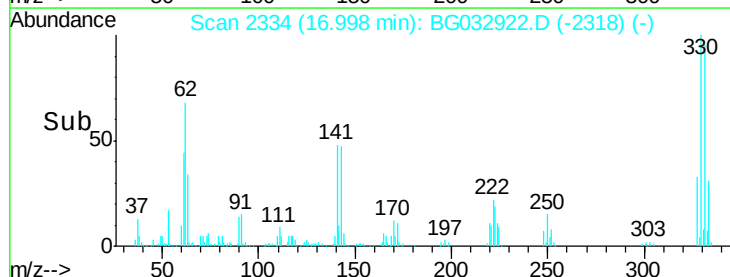
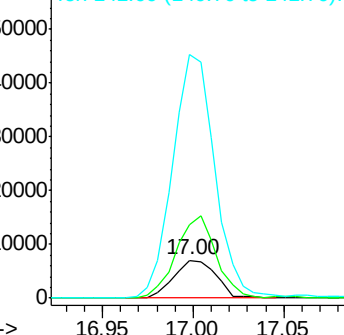
141 646.5 50.8 76.2#

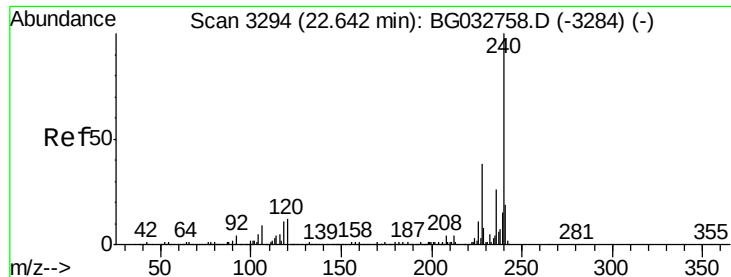


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG032922.D

Acq: 1 Mar 2018 18:14

Instrument :

BNA_G

ClientSampleId :

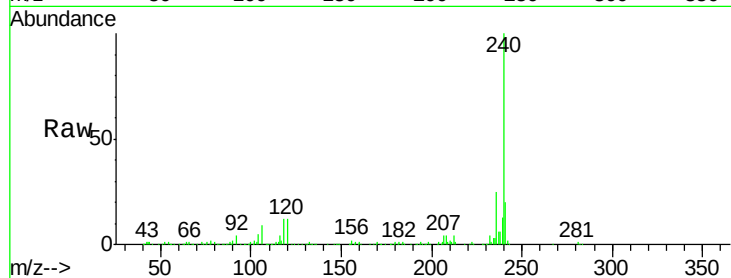
Tot Ion:240 Resp: 301495

Ion Ratio Lower Upper

240 100

120 12.1 6.8 10.2#

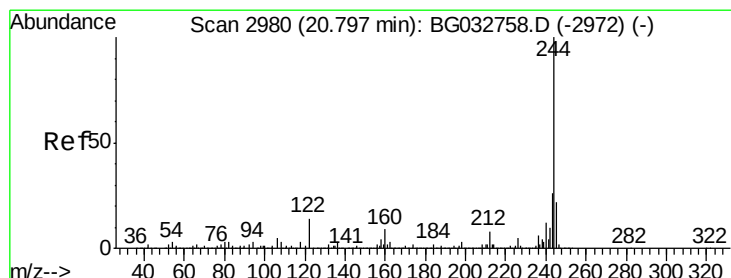
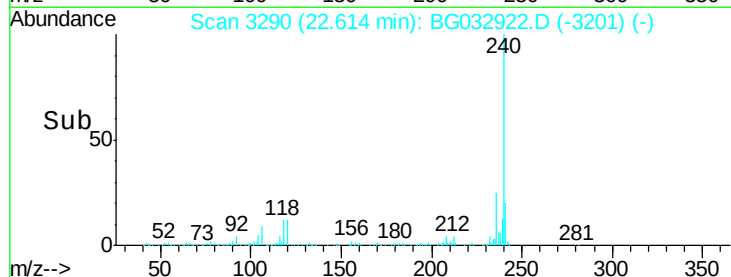
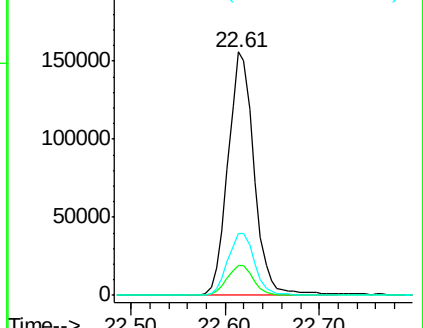
236 25.4 20.9 31.3



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



#78

Terphenyl-d14

Concen: 99.761 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.01 min

Lab File: BG032922.D

Acq: 1 Mar 2018 18:14

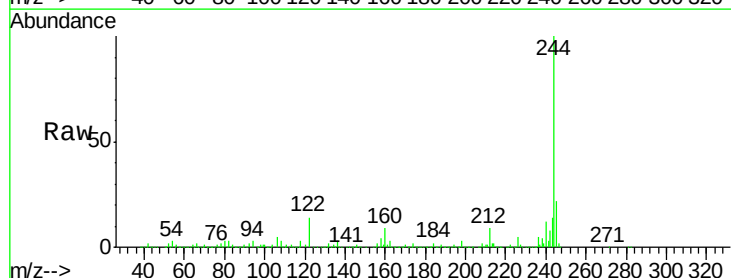
Tgt Ion:244 Resp: 1338717

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

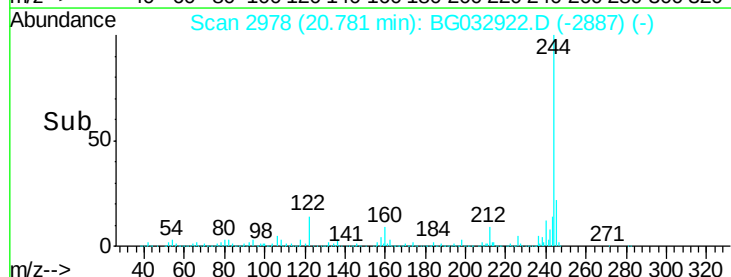
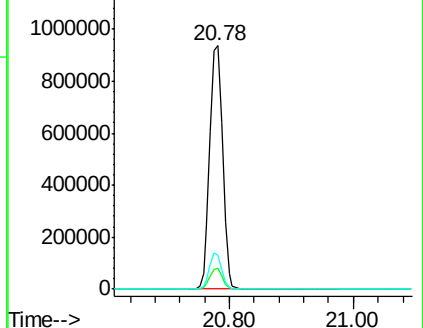
122 13.7 7.0 10.4#

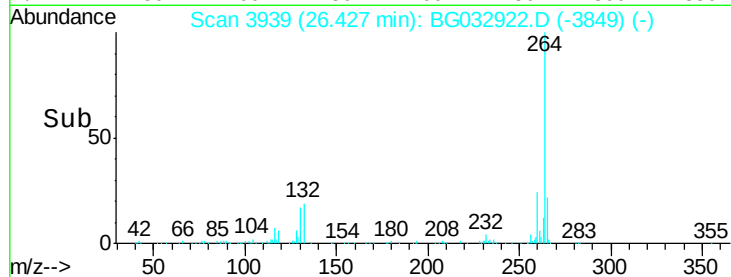
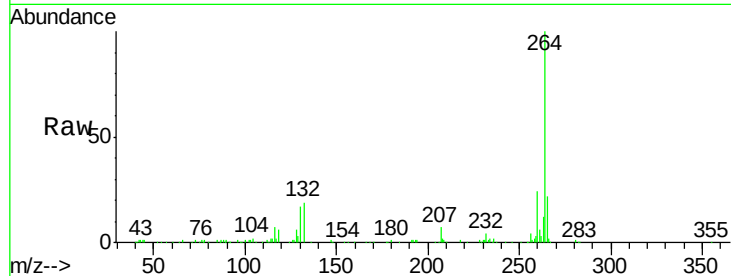
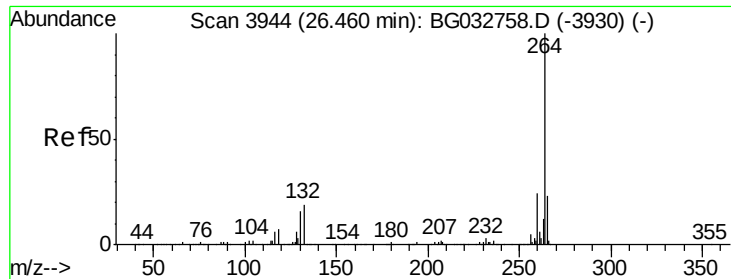


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.43 min Scan# 3939
 Delta R.T. 0.00 min
 Lab File: BG032922.D
 Acq: 1 Mar 2018 18:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	21.9	17.7	26.5

