

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033147.D
 Acq On : 14 Mar 2018 15:15
 Operator : SJ/JU
 Sample : J1885-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 17:43:33 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	37302	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	163956	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	94387	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	243343	20.00	ng	0.00
75) Chrysene-d12	22.60	240	234284	20.00	ng	0.00
86) Perylene-d12	26.40	264	242329	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.32	112	326724	140.13	ng	0.00
7) Phenol-d6	8.01	99	402484	123.84	ng	0.00
23) Nitrobenzene-d5	10.10	82	291920	119.06	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	223292	224.99	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	643088	98.27	ng	0.00
78) Terphenyl-d14	20.77	244	1173756	112.56	ng	0.00

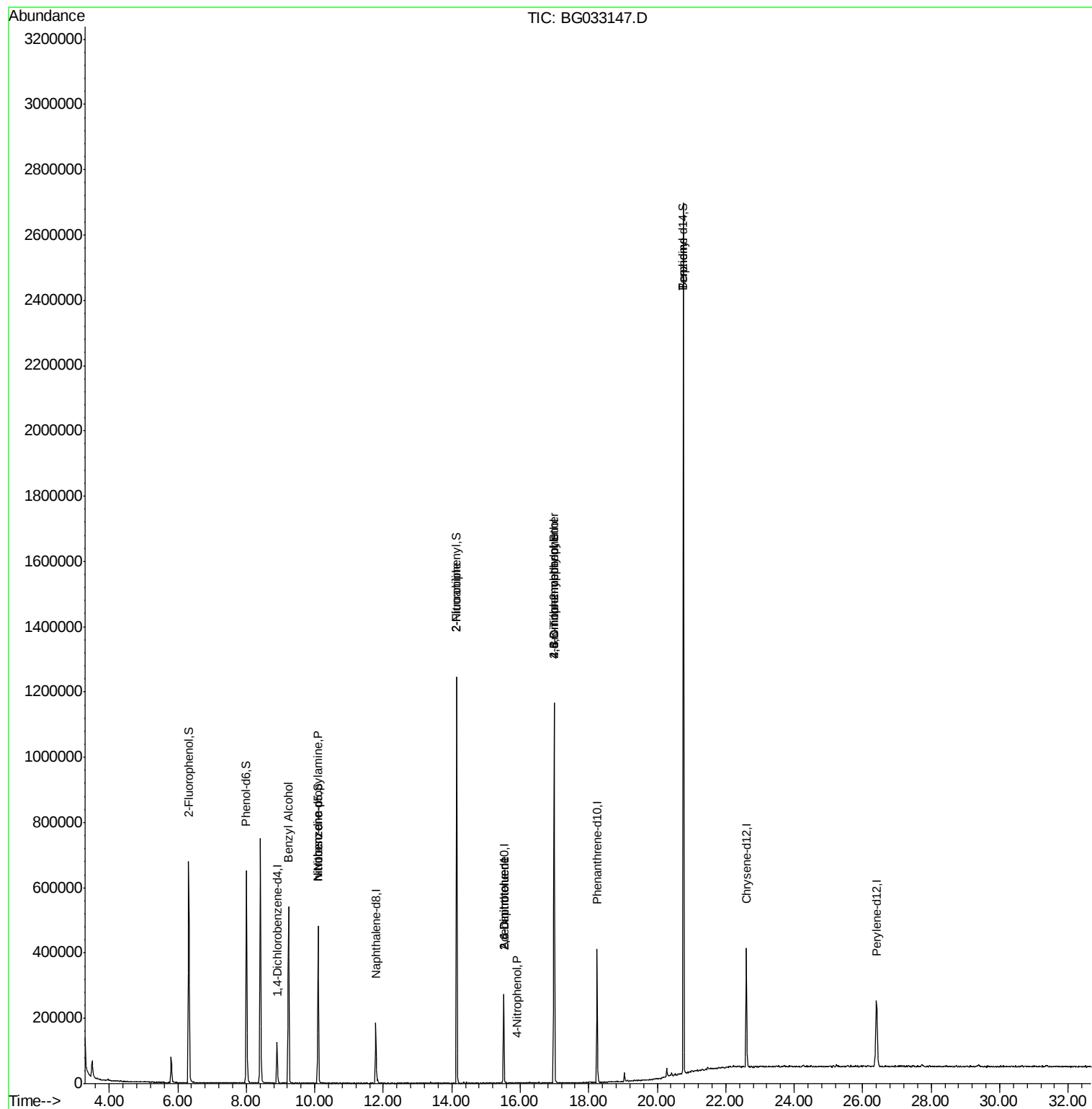
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.23	79	4977	2.083	ng	# 41
19) n-Nitroso-di-n-propylamine	10.10	70	39220	17.094	ng	# 87
24) Nitrobenzene	10.10	77	1114	6.750	ng	# 43
47) 2-Nitroaniline	14.14	65	1329	10.516	ng	# 8
50) 2,6-Dinitrotoluene	15.51	165	12145	16.357	ng	# 18
55) 4-Nitrophenol	15.91	139	584	7.486	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	12145	14.554	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.98	198	533	5.878	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	15100	5.868	ng	# 1
76) Benzidine	20.77	184	20957	2.624	ng	# 93

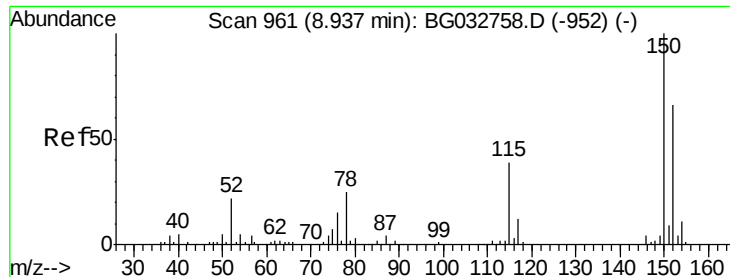
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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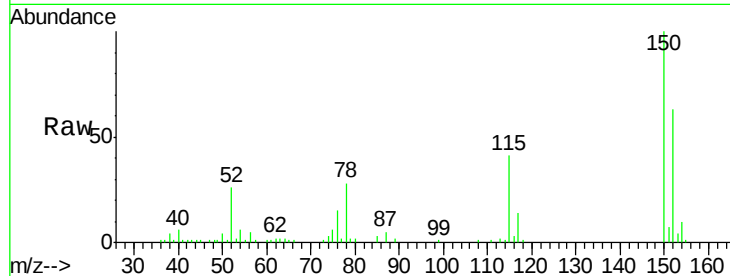


#1

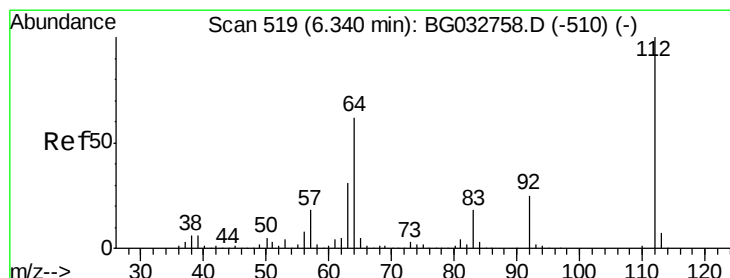
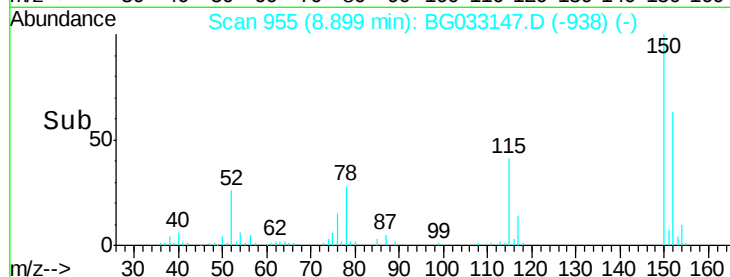
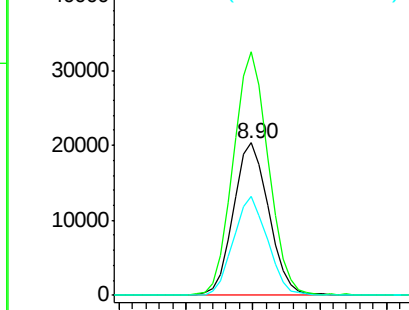
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. 0.00 min
Lab File: BG033147.D
Acq: 14 Mar 2018 15:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 37302
Ion Ratio Lower Upper
152 100
150 159.8 126.6 189.8
115 65.1 53.0 79.4



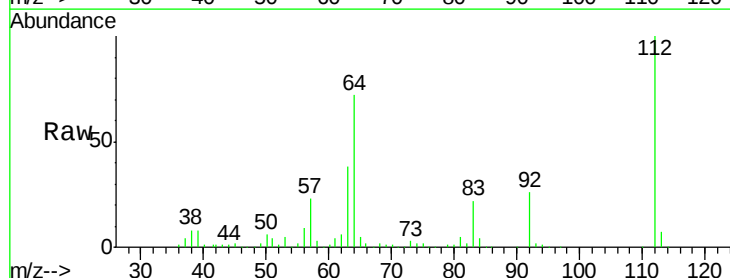
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



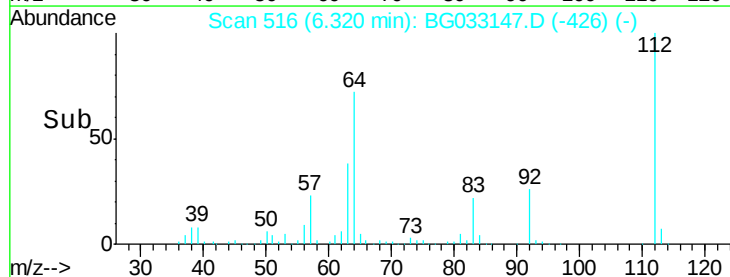
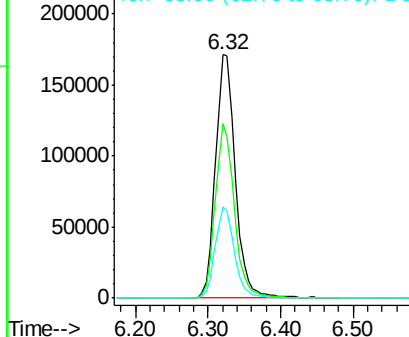
#5

2-Fluorophenol
Concen: 140.129 ng
RT: 6.32 min Scan# 516
Delta R.T. 0.00 min
Lab File: BG033147.D
Acq: 14 Mar 2018 15:15

Tgt Ion:112 Resp: 326724
Ion Ratio Lower Upper
112 100
64 71.7 56.3 84.5
63 37.5 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: 123.845 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033147.D

Acq: 14 Mar 2018 15:15

Instrument :

BNA_G

ClientSampled :

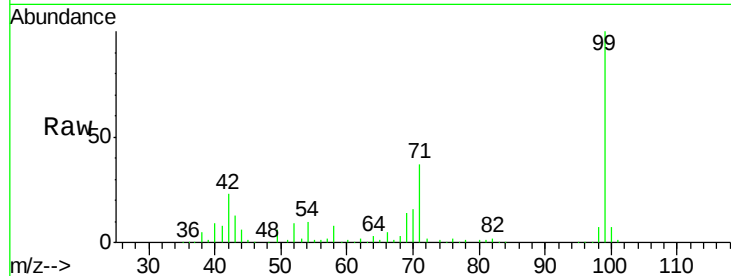
Tot Ion: 99 Resp: 402484

Ion Ratio Lower Upper

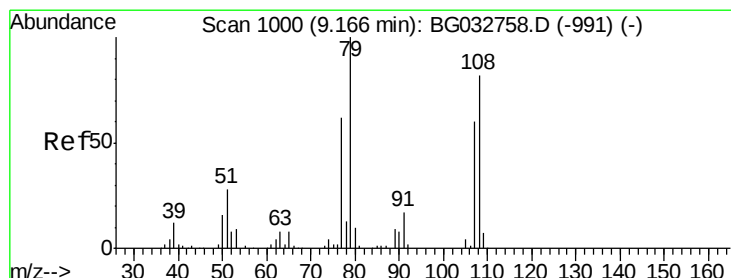
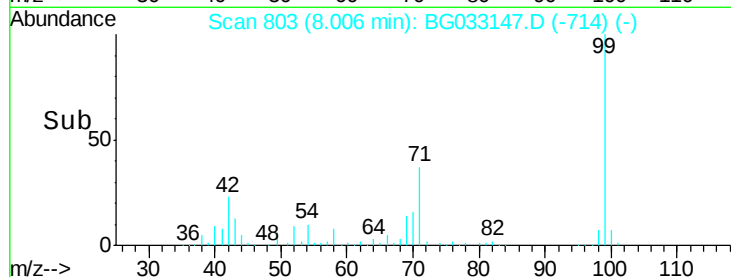
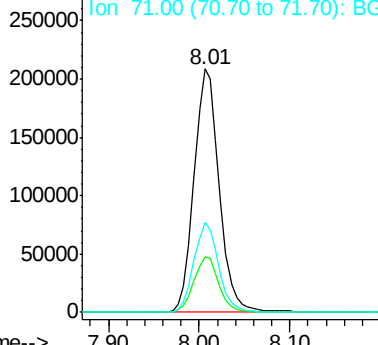
99 100

42 22.8 14.1 21.1#

71 37.0 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



#15

Benzyl Alcohol

Concen: 2.083 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.10 min

Lab File: BG033147.D

Acq: 14 Mar 2018 15:15

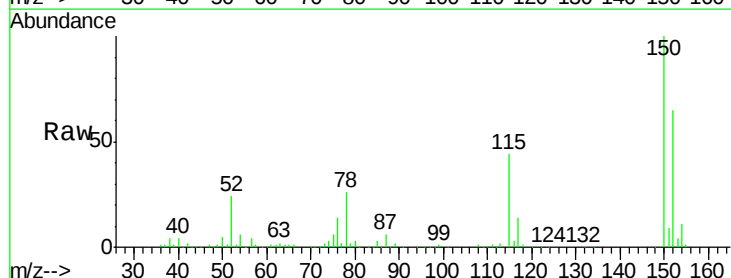
Tgt Ion: 79 Resp: 4977

Ion Ratio Lower Upper

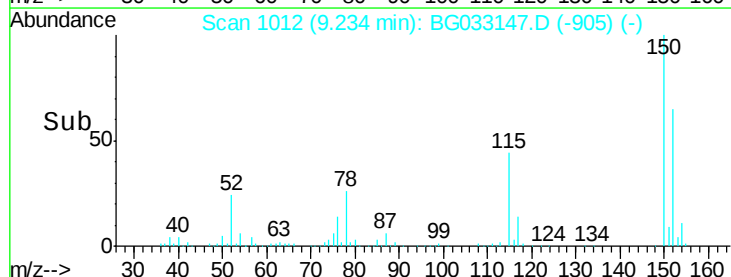
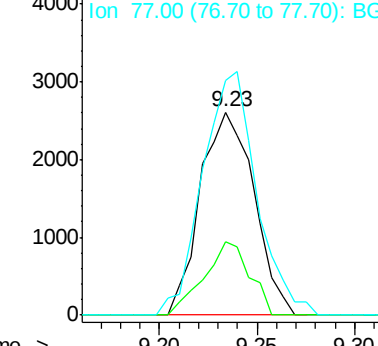
79 100

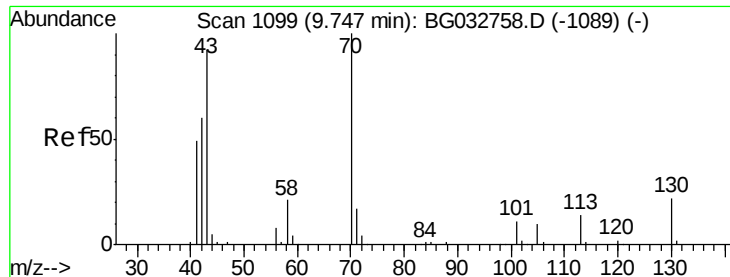
108 36.0 57.2 85.8#

77 115.7 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

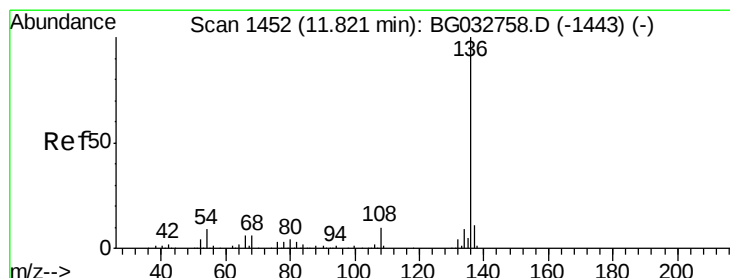
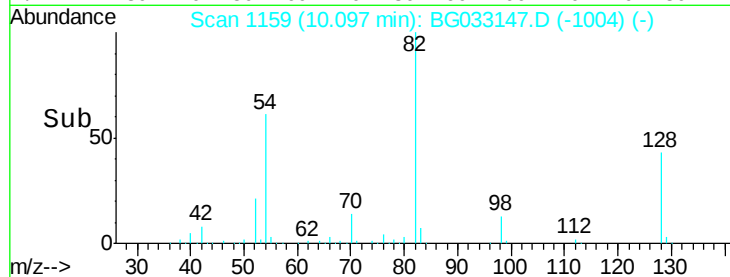
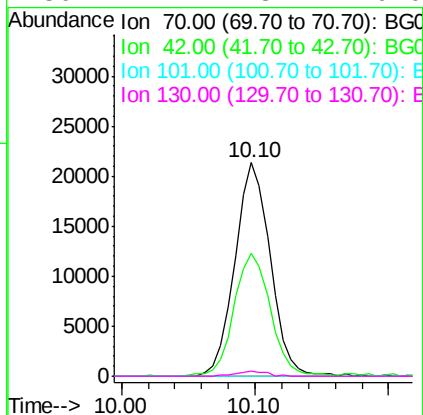
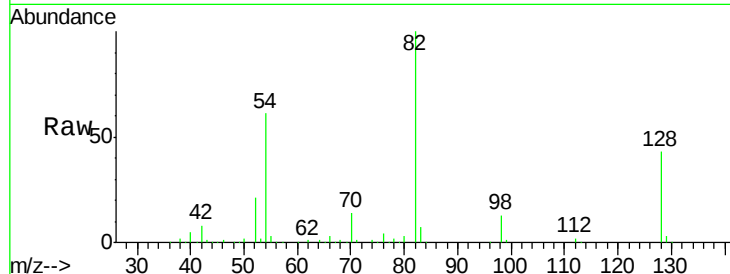




#19
n-Nitroso-di-n-propylamine
Concen: 17.094 ng
RT: 10.10 min Scan# 1159
Delta R.T. 0.38 min
Lab File: BG033147.D
Acq: 14 Mar 2018 15:15

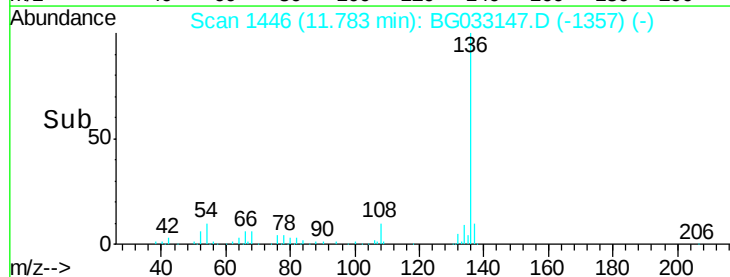
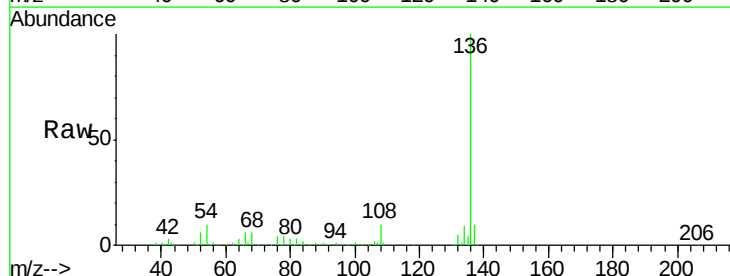
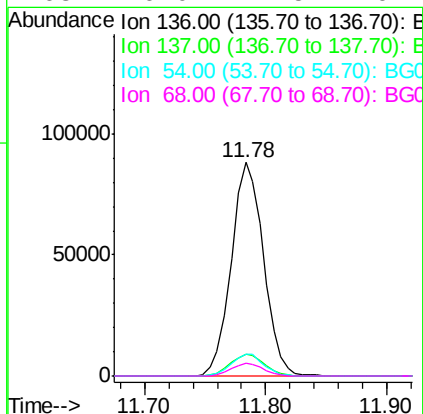
Instrument :
BNA_G
ClientSampleId :

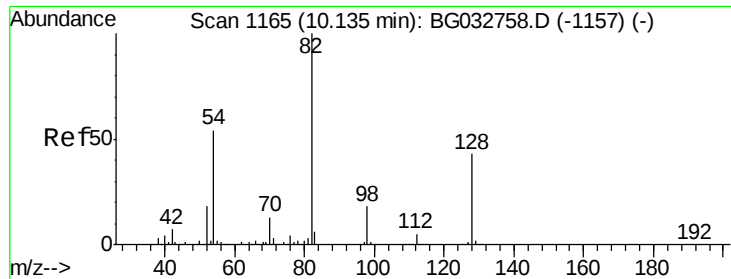
Tot Ion: 70 Resp: 39220
Ion Ratio Lower Upper
70 100
42 57.8 49.1 73.7
101 0.0 8.5 12.7#
130 2.2 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BG033147.D
Acq: 14 Mar 2018 15:15

Tgt Ion: 136 Resp: 163956
Ion Ratio Lower Upper
136 100
137 10.1 9.2 13.8
54 10.5 10.3 15.5
68 6.0 4.5 6.7





#23

Nitrobenzene-d5

Concen: 119.060 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BG033147.D

Acq: 14 Mar 2018 15:15

Instrument :

BNA_G

ClientSampled :

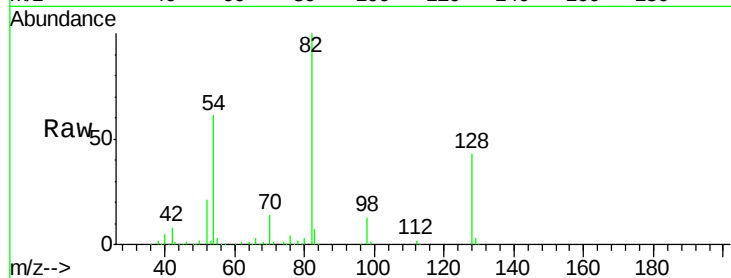
Tot Ion: 82 Resp: 291920

Ion Ratio Lower Upper

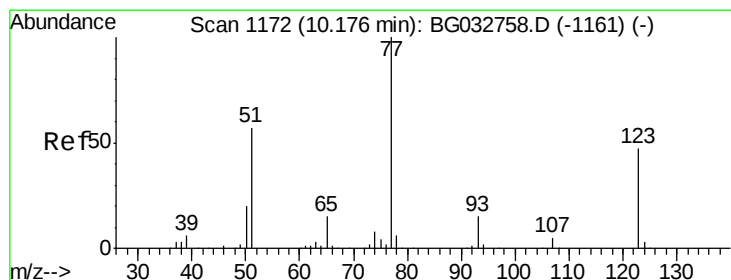
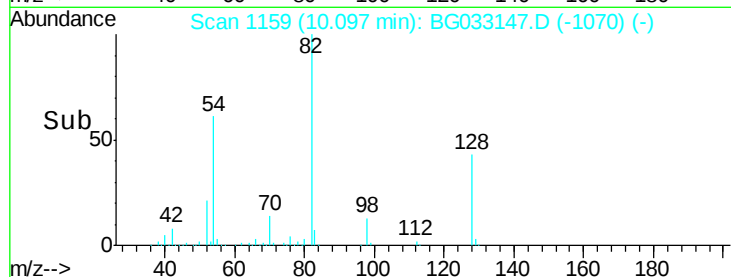
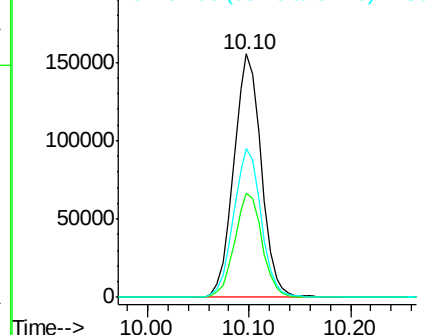
82 100

128 42.6 29.7 44.5

54 61.4 43.1 64.7



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



#24

Nitrobenzene

Concen: 6.750 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.05 min

Lab File: BG033147.D

Acq: 14 Mar 2018 15:15

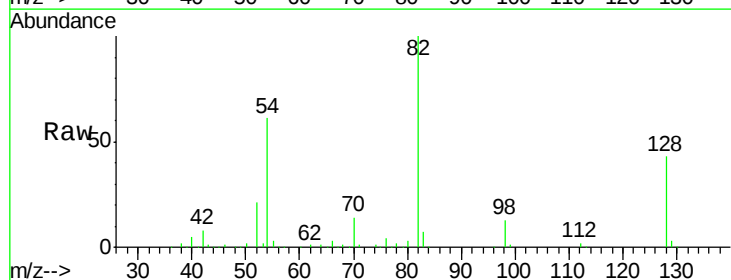
Tgt Ion: 77 Resp: 1114

Ion Ratio Lower Upper

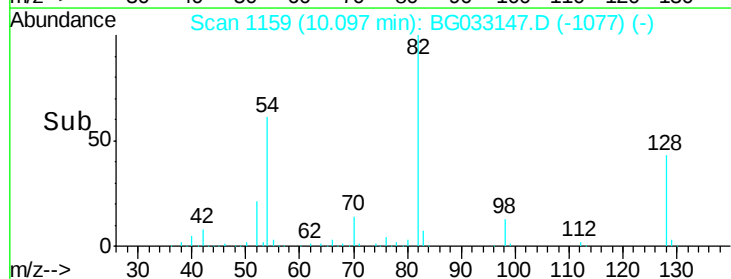
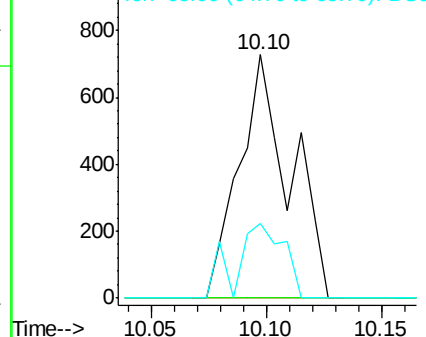
77 100

123 0.0 33.0 49.6#

65 30.8 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: 15.52 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BG033147.D

Acq: 14 Mar 2018 15:15

Instrument :

BNA_G

ClientSampleId :

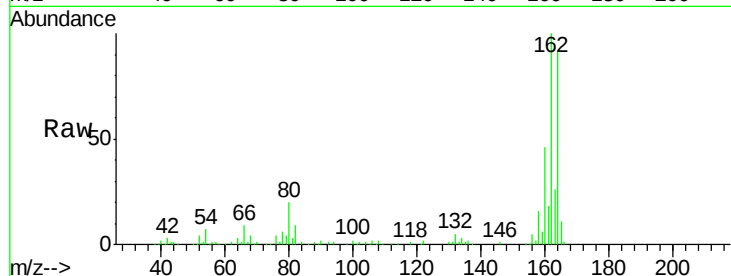
Tot Ion:164 Resp: 94387

Ion Ratio Lower Upper

164 100

162 108.1 78.8 118.2

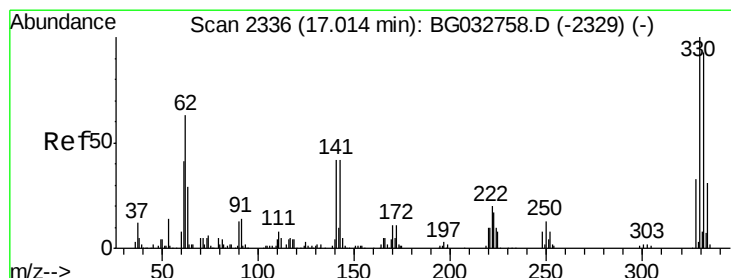
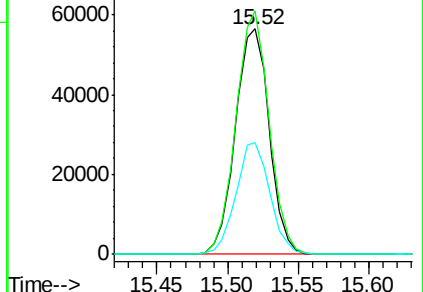
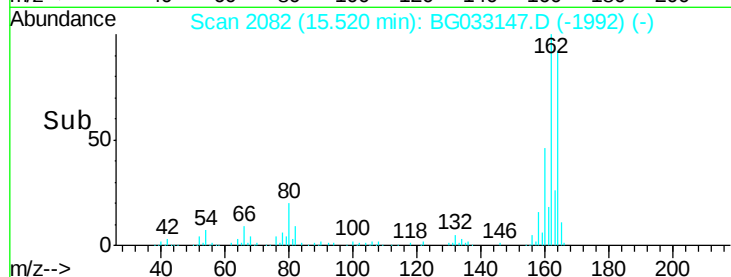
160 49.4 35.4 53.0



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: 224.991 ng

RT: 16.99 min Scan# 2333

Delta R.T. 0.00 min

Lab File: BG033147.D

Acq: 14 Mar 2018 15:15

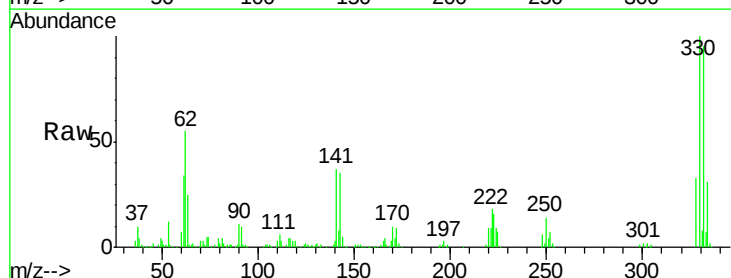
Tgt Ion:330 Resp: 223292

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

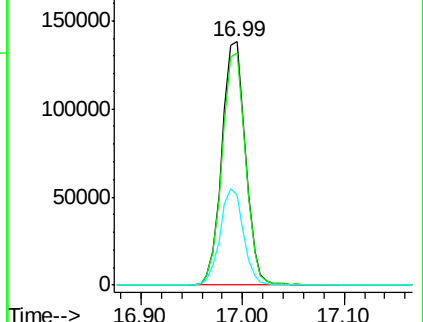
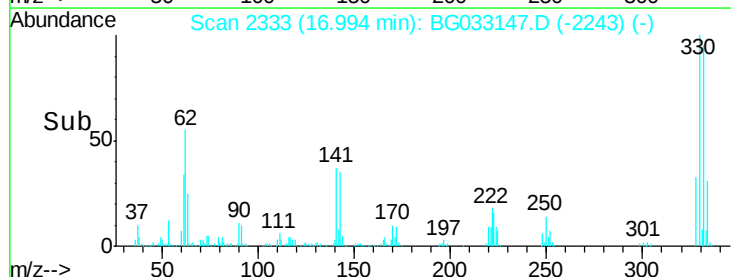
141 39.1 25.2 37.8#

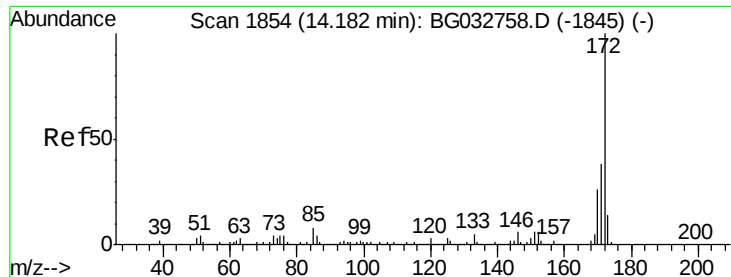


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

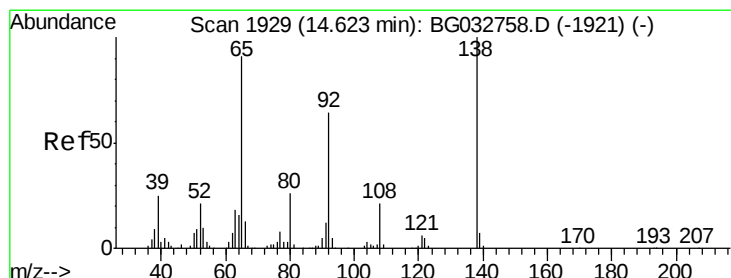
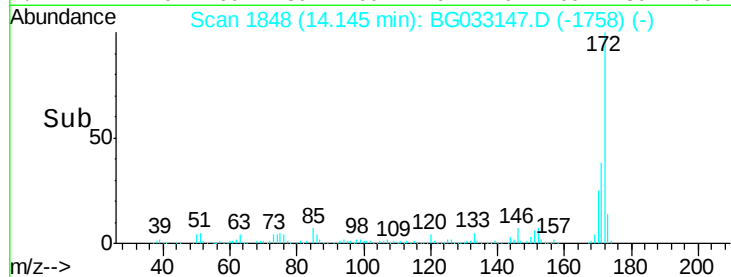
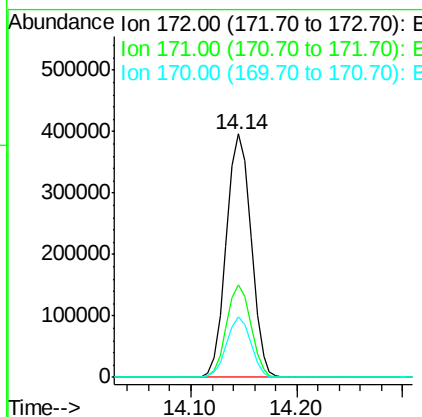
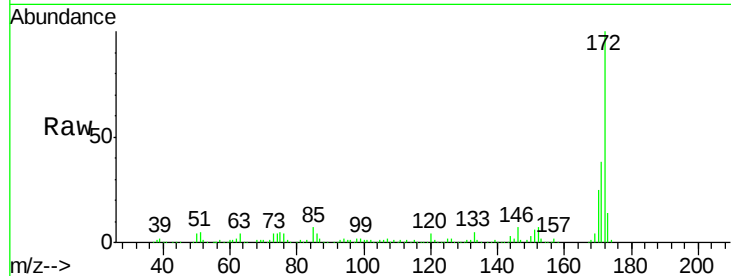




#44
 2-Fluorobiphenyl
 Concen: 98.265 ng
 RT: 14.14 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BG033147.D
 Acq: 14 Mar 2018 15:15

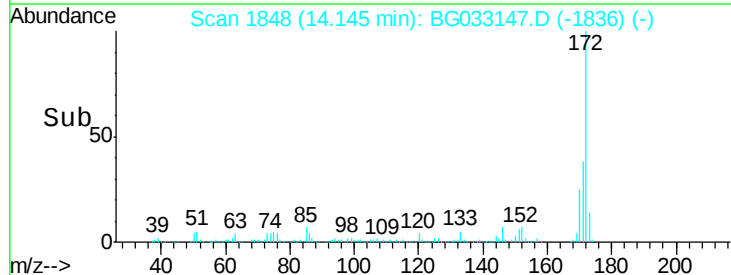
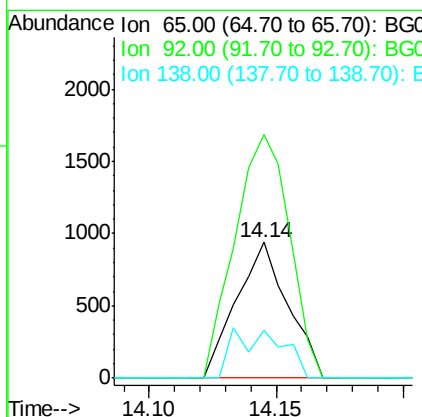
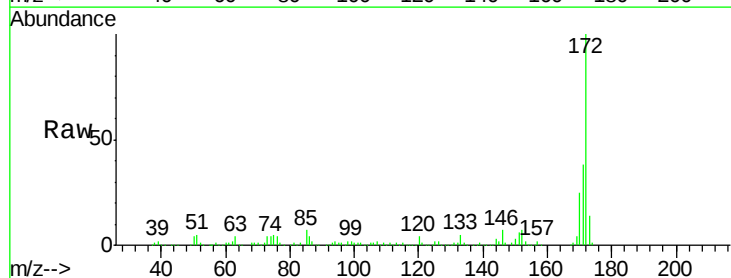
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 643088
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.0 45.0
 170 25.0 19.5 29.3



#47
 2-Nitroaniline
 Concen: 10.516 ng
 RT: 14.14 min Scan# 1848
 Delta R.T. -0.46 min
 Lab File: BG033147.D
 Acq: 14 Mar 2018 15:15

Tgt Ion: 65 Resp: 1329
 Ion Ratio Lower Upper
 65 100
 92 179.1 54.6 82.0#
 138 35.4 72.9 109.3#

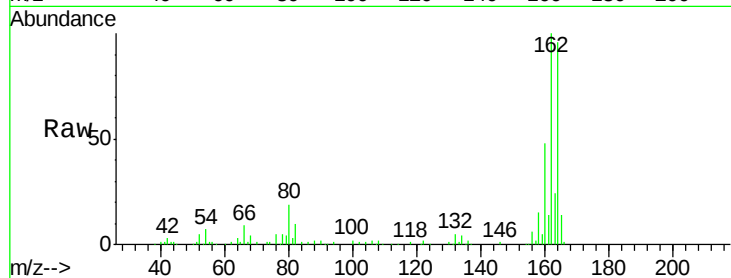




#50
2,6-Dinitrotoluene
Concen: 16.357 ng
RT: 15.51 min Scan# 2081
Delta R.T. 0.44 min
Lab File: BG033147.D
Acq: 14 Mar 2018 15:15

Instrument :
BNA_G
ClientSampleId :

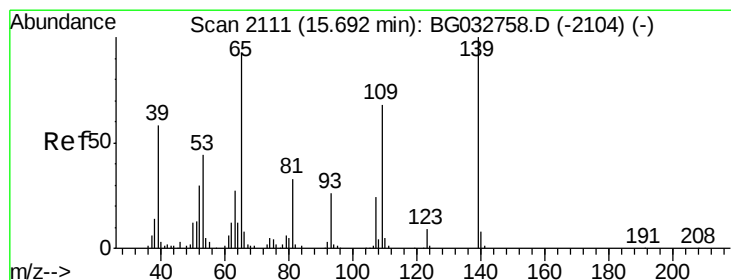
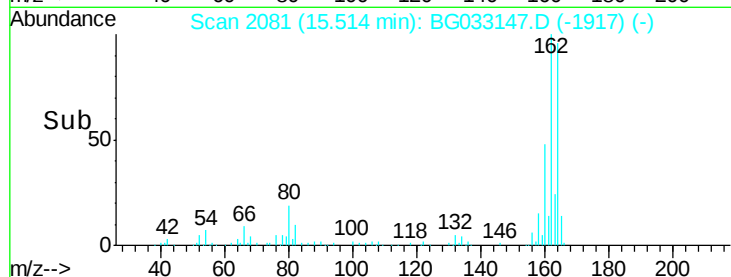
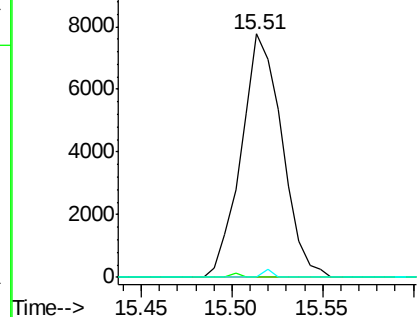
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

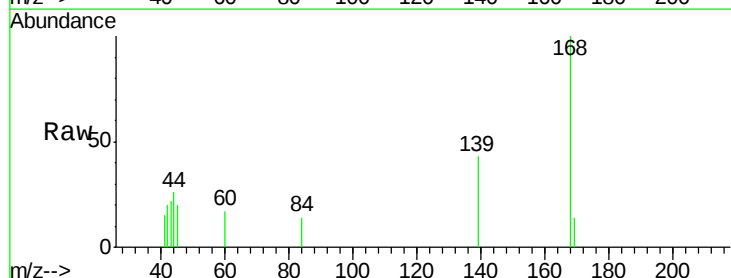
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#55
4-Nitrophenol
Concen: 7.486 ng
RT: 15.91 min Scan# 2149
Delta R.T. 0.22 min
Lab File: BG033147.D
Acq: 14 Mar 2018 15:15

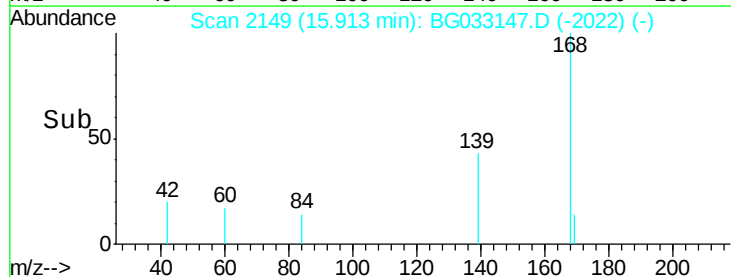
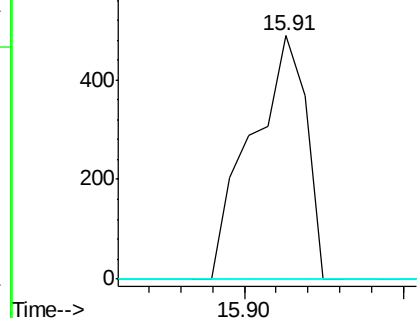
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#

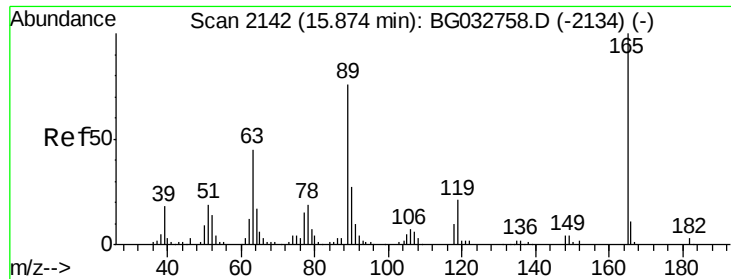


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

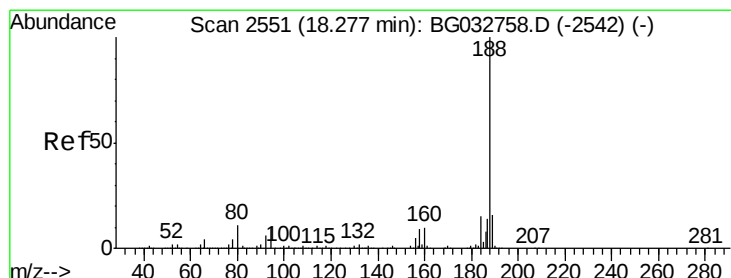
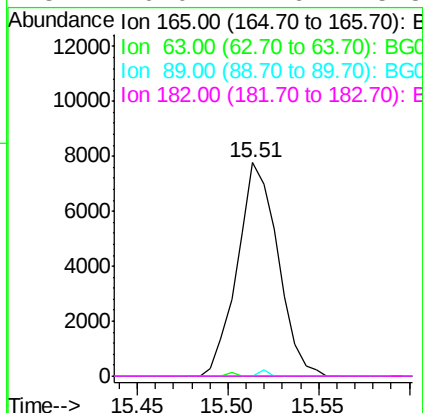
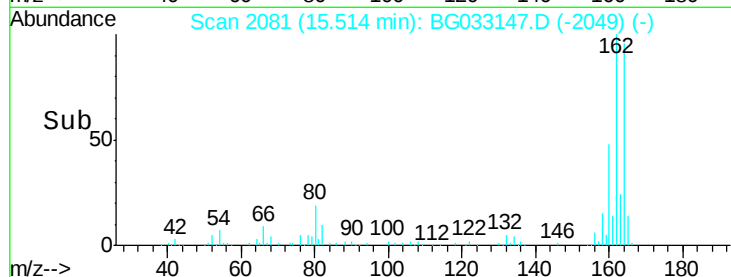
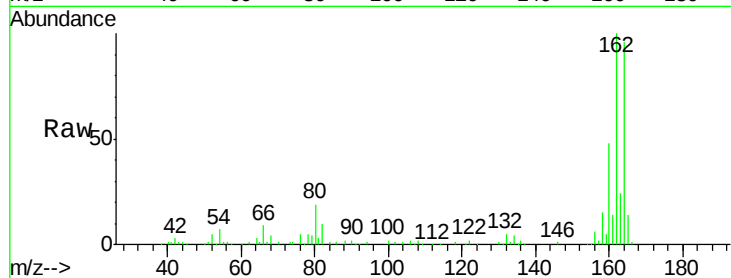




#56
2,4-Dinitrotoluene
Concen: 14.554 ng
RT: 15.51 min Scan# 2081
Delta R.T. -0.34 min
Lab File: BG033147.D
Acq: 14 Mar 2018 15:15

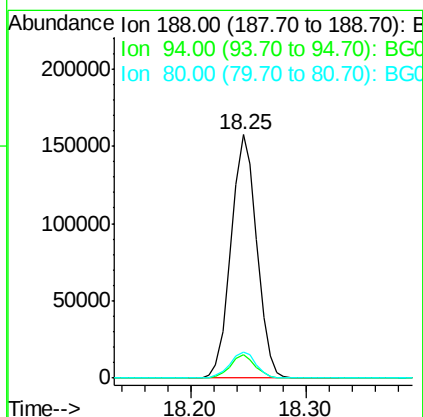
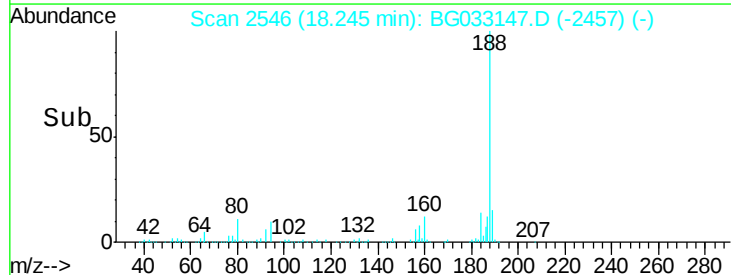
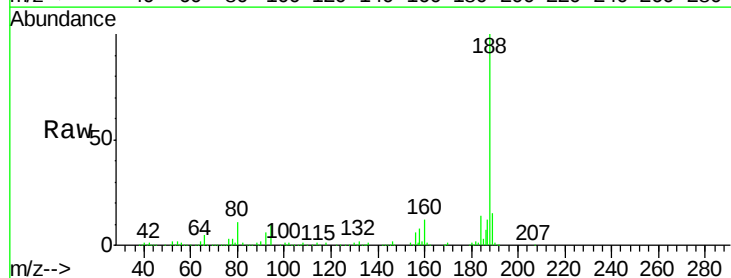
Instrument :
BNA_G
ClientSampleId :

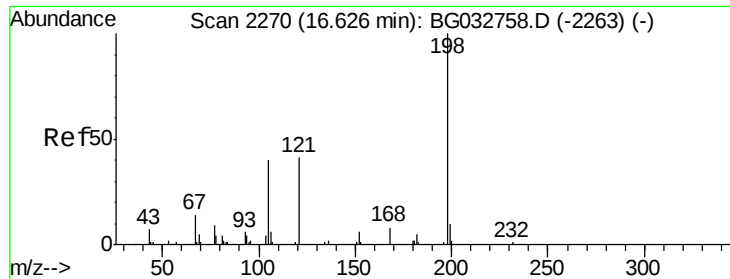
Tot Ion:165	Resp:	12145
Ion Ratio	Lower	Upper
165	100	
63	0.0	42.0 63.0#
89	0.0	66.9 100.3#
182	0.0	2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2546
Delta R.T. -0.00 min
Lab File: BG033147.D
Acq: 14 Mar 2018 15:15

Tgt Ion:188	Resp:	243343
Ion Ratio	Lower	Upper
188	100	
94	9.5	6.9 10.3
80	10.7	7.7 11.5

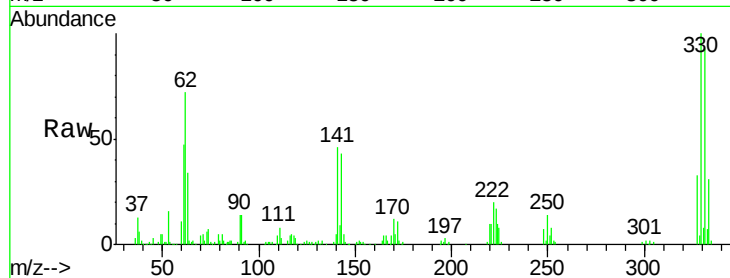




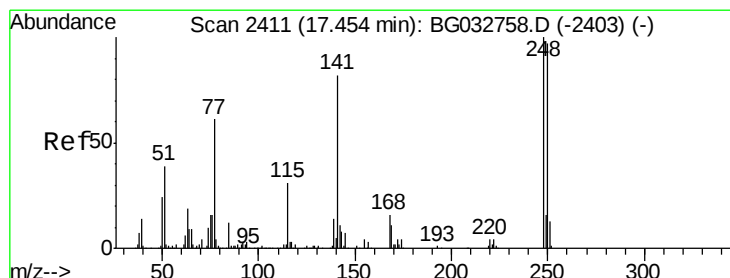
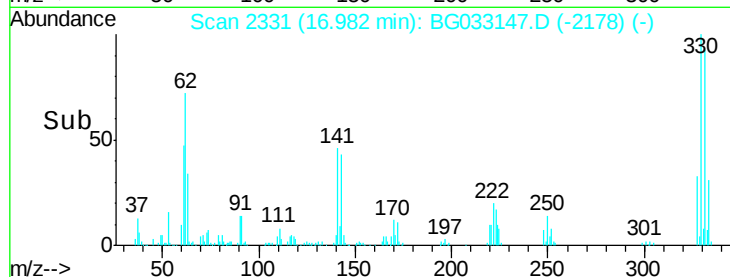
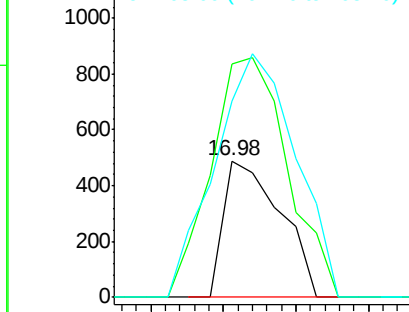
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.878 ng
 RT: 16.98 min Scan# 2331
 Delta R.T. 0.37 min
 Lab File: BG033147.D
 Acq: 14 Mar 2018 15:15

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 533
 Ion Ratio Lower Upper
 198 100
 51 171.4 30.6 70.6#
 105 143.4 23.8 63.8#

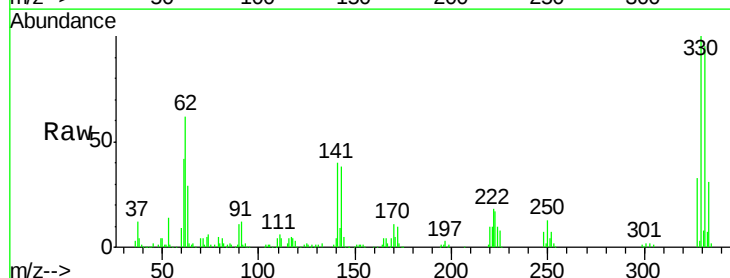


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

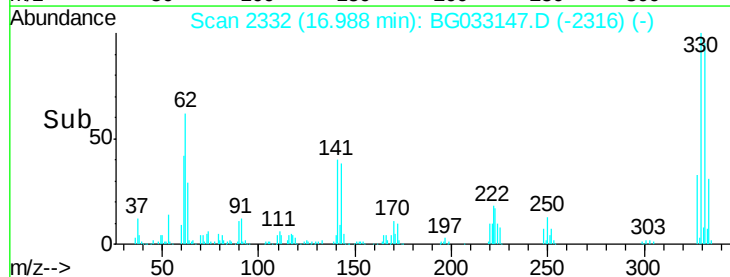
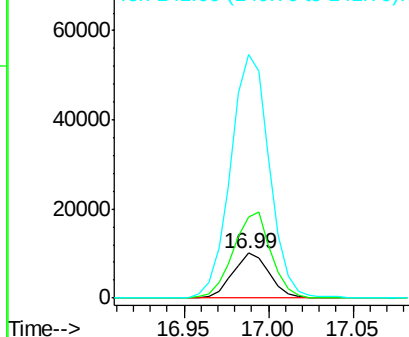


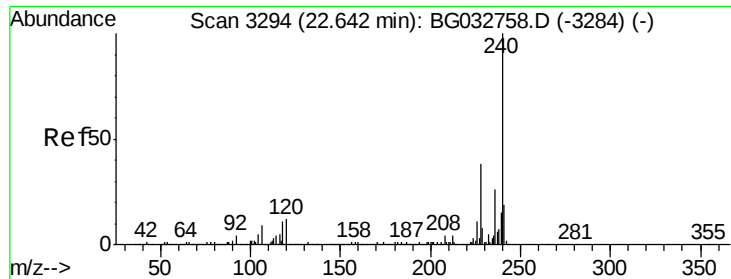
#66
 4-Bromophenyl-phenylether
 Concen: 5.868 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.43 min
 Lab File: BG033147.D
 Acq: 14 Mar 2018 15:15

Tgt Ion:248 Resp: 15100
 Ion Ratio Lower Upper
 248 100
 250 179.3 77.1 115.7#
 141 542.0 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

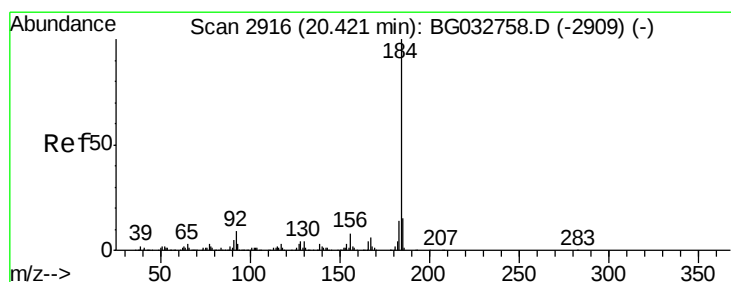
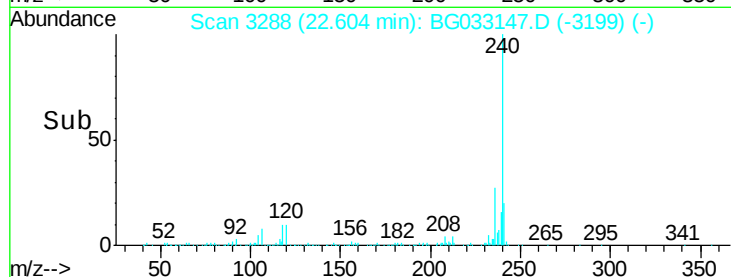
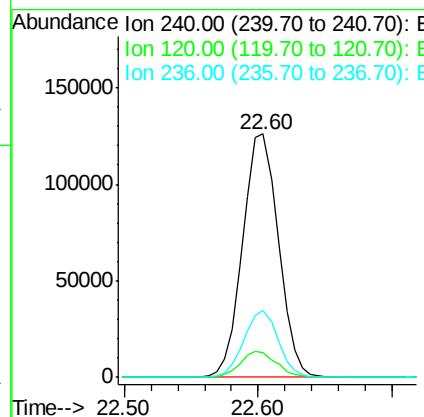
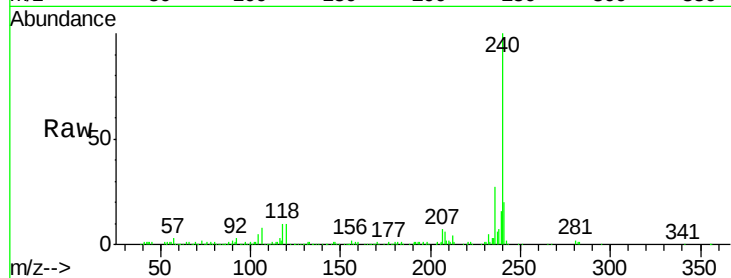




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3288
 Delta R.T. -0.00 min
 Lab File: BG033147.D
 Acq: 14 Mar 2018 15:15

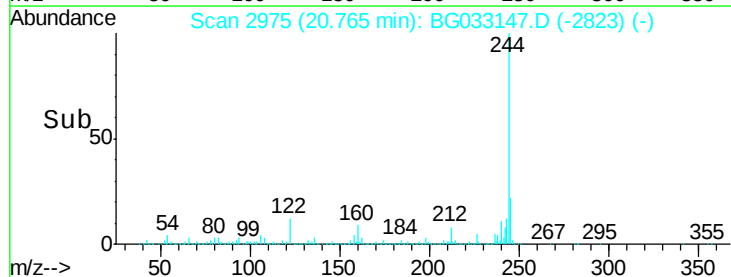
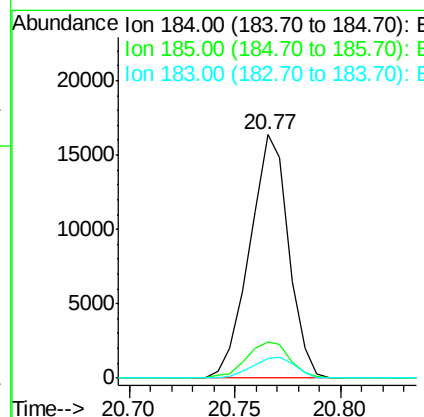
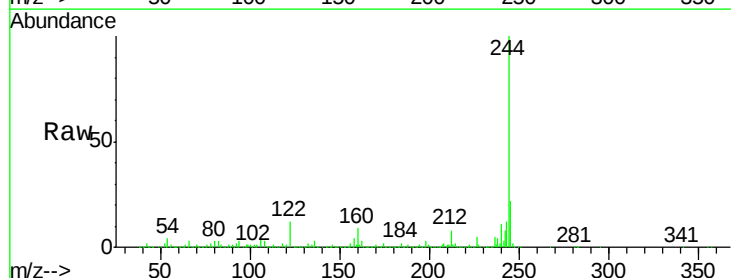
Instrument :
 BNA_G
 ClientSampleId :

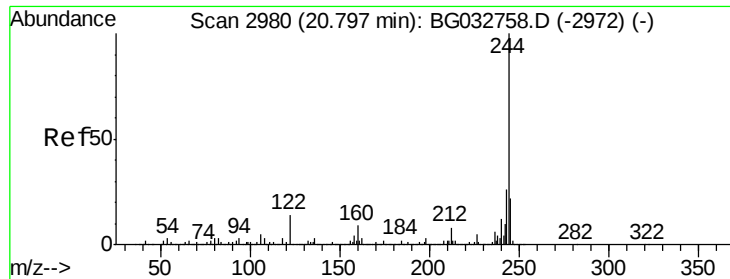
Tot Ion:240 Resp: 234284
 Ion Ratio Lower Upper
 240 100
 120 10.4 6.8 10.2#
 236 27.4 20.9 31.3



#76
 Benzidine
 Concen: 2.624 ng
 RT: 20.77 min Scan# 2975
 Delta R.T. 0.37 min
 Lab File: BG033147.D
 Acq: 14 Mar 2018 15:15

Tgt Ion:184 Resp: 20957
 Ion Ratio Lower Upper
 184 100
 185 14.8 11.1 16.7
 183 8.2 10.6 16.0#





#78

Terphenyl-d14

Concen: 112.560 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BG033147.D

Acq: 14 Mar 2018 15:15

Instrument :

BNA_G

ClientSampled :

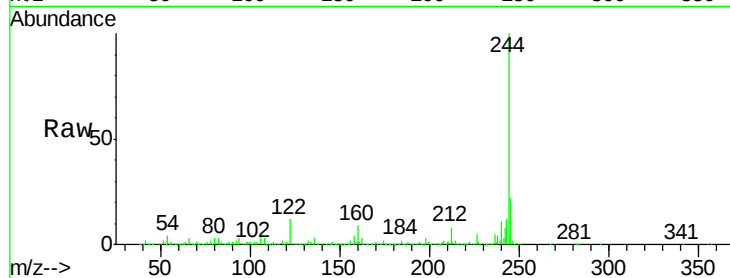
Tot Ion:244 Resp: 1173756

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

122 12.0 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

20.77

800000

600000

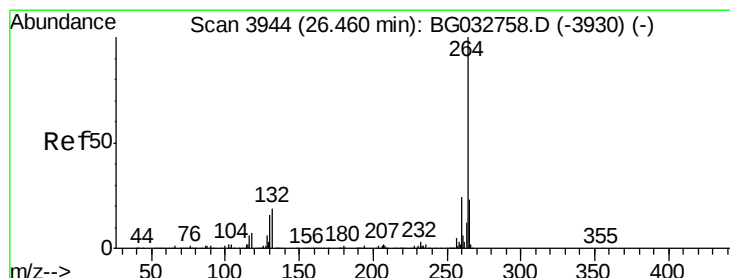
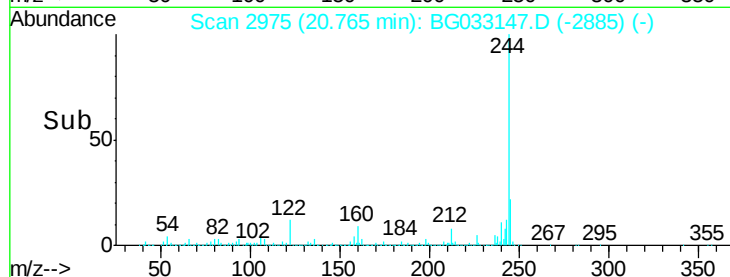
400000

200000

0

Time-->

20.70 20.75 20.80



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.40 min Scan# 3935

Delta R.T. -0.00 min

Lab File: BG033147.D

Acq: 14 Mar 2018 15:15

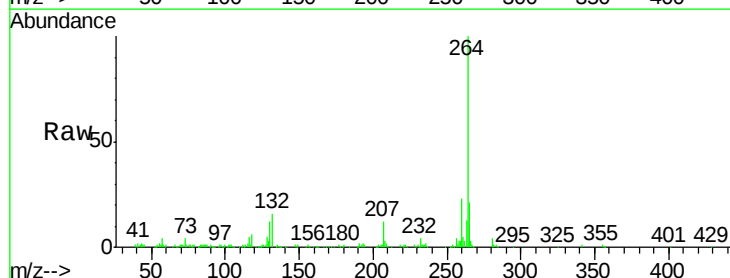
Tgt Ion:264 Resp: 242329

Ion Ratio Lower Upper

264 100

260 22.7 17.4 26.0

265 20.9 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

26.40

100000

80000

60000

40000

20000

0

Time-->

26.30 26.40 26.50 26.60

