

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033146.D
 Acq On : 14 Mar 2018 14:37
 Operator : SJ/JU
 Sample : J1885-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 17:43:21 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	40786	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	178337	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	104391	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	261159	20.00	ng	0.00
75) Chrysene-d12	22.61	240	249955	20.00	ng	0.00
86) Perylene-d12	26.42	264	255910	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	357049	140.05	ng	0.00
7) Phenol-d6	8.01	99	433847	122.09	ng	0.00
23) Nitrobenzene-d5	10.10	82	326017	121.98	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	237927	216.76	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	701788	96.96	ng	0.00
78) Terphenyl-d14	20.77	244	1231676	110.71	ng	0.00

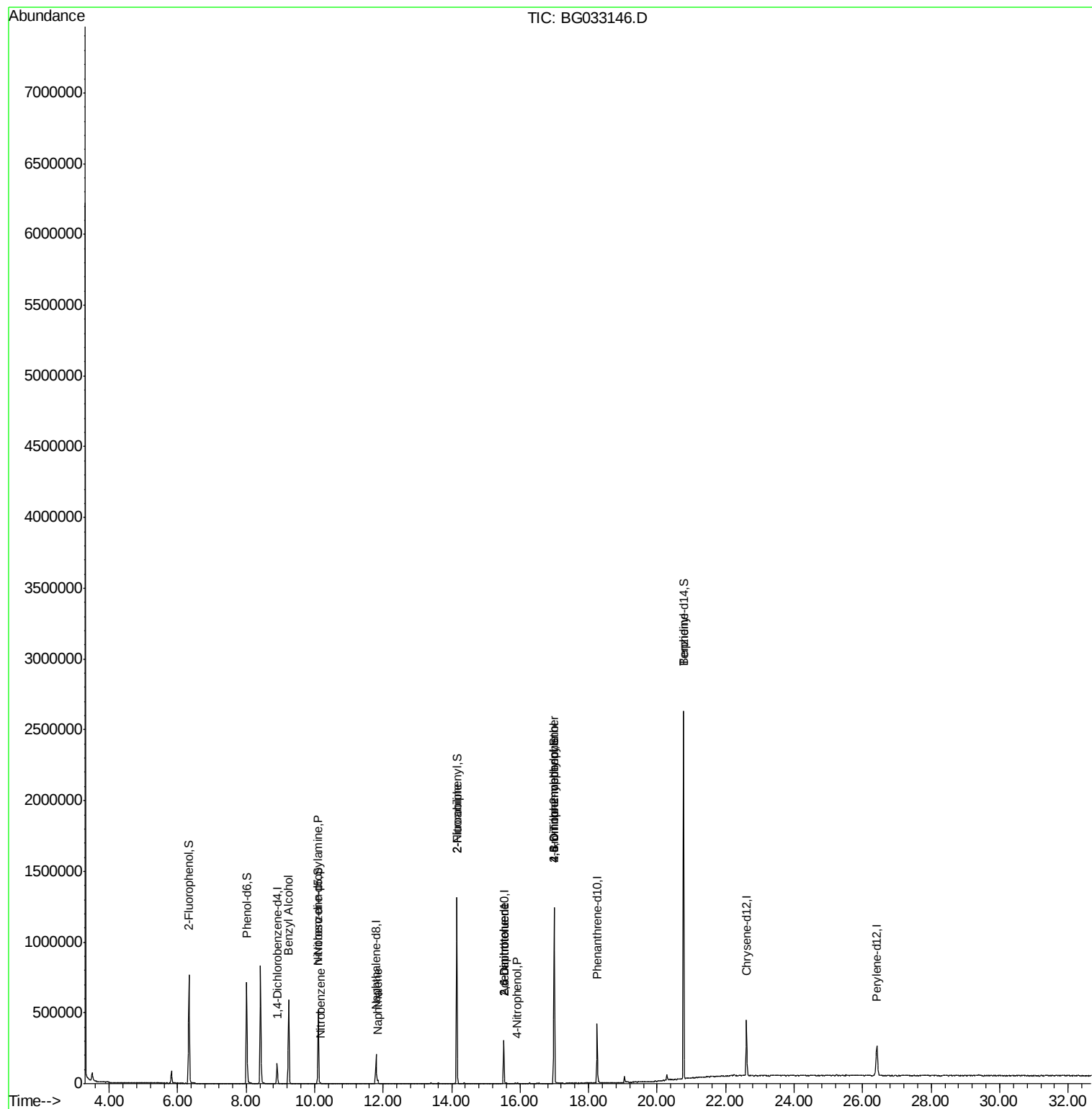
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.24	79	5226	2.001	ng	# 52
19) n-Nitroso-di-n-propylamine	10.10	70	43266	17.247	ng	# 85
24) Nitrobenzene	10.16	77	57	6.398	ng	# 42
31) Naphthalene	11.84	128	24675	2.648	ng	# 95
47) 2-Nitroaniline	14.15	65	1518	10.538	ng	# 9
50) 2,6-Dinitrotoluene	15.52	165	13397	16.337	ng	# 18
55) 4-Nitrophenol	15.91	139	1004	7.711	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	13397	14.535	ng	# 16
64) 4,6-Dinitro-2-methylphenol	17.00	198	497	5.757	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	16139	5.844	ng	# 1
76) Benzidine	20.77	184	21030	2.468	ng	# 94

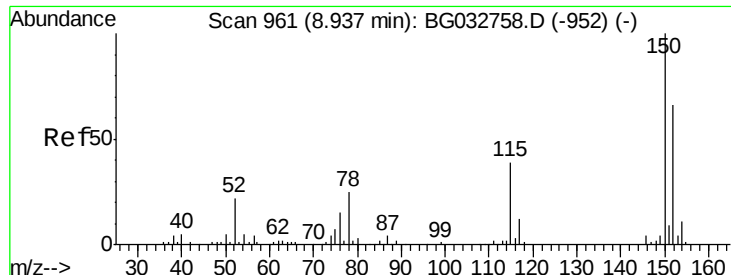
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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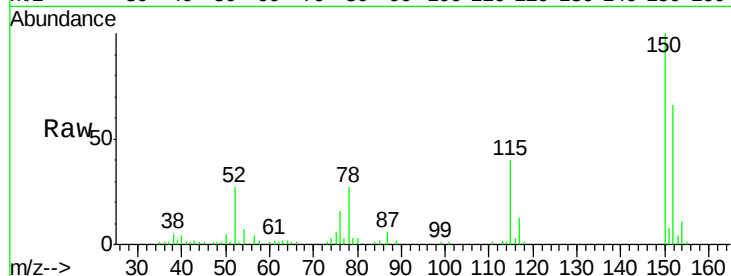


#1

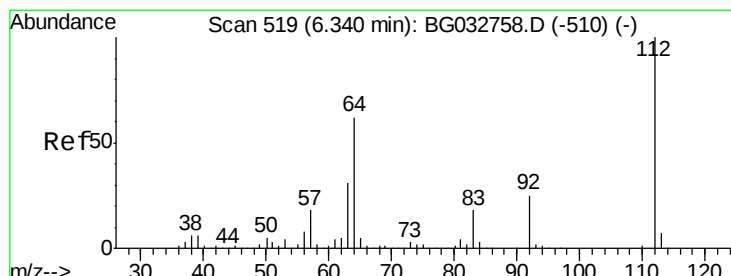
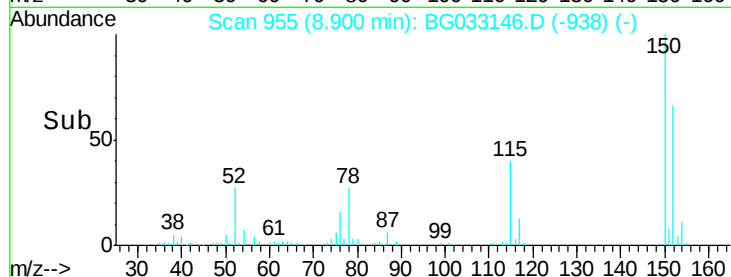
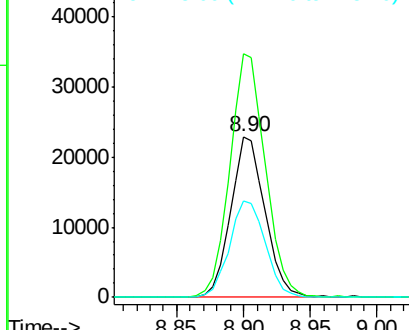
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. 0.00 min
Lab File: BG033146.D
Acq: 14 Mar 2018 14:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 40786
Ion Ratio Lower Upper
152 100
150 151.5 126.6 189.8
115 59.9 53.0 79.4



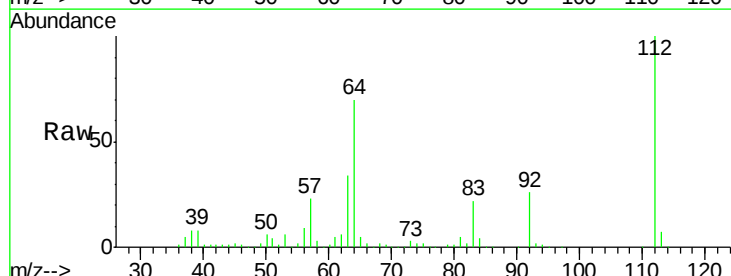
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



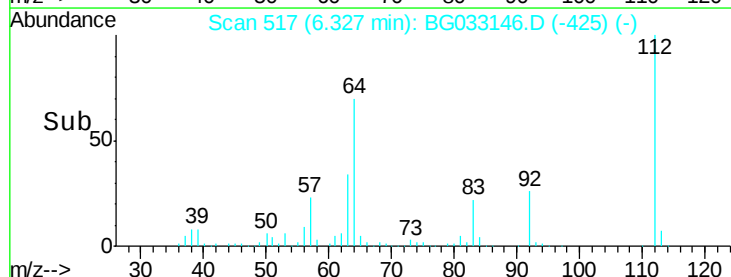
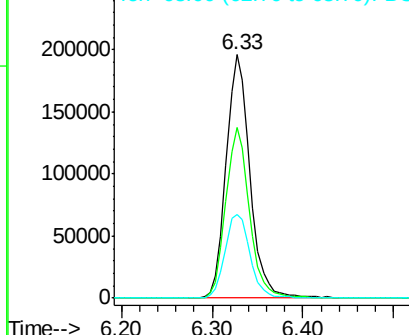
#5

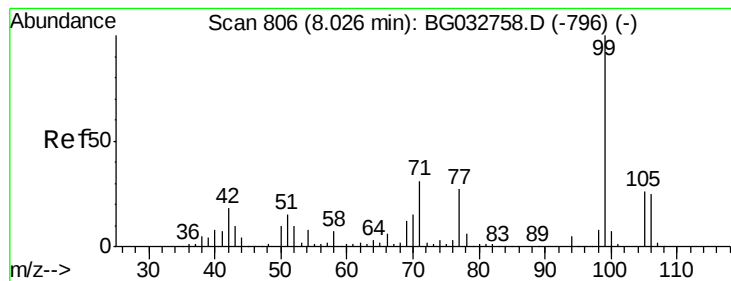
2-Fluorophenol
Concen: 140.055 ng
RT: 6.33 min Scan# 517
Delta R.T. 0.01 min
Lab File: BG033146.D
Acq: 14 Mar 2018 14:37

Tgt Ion:112 Resp: 357049
Ion Ratio Lower Upper
112 100
64 69.9 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: 122.092 ng

RT: 8.01 min Scan# 804

Delta R.T. 0.00 min

Lab File: BG033146.D

Acq: 14 Mar 2018 14:37

Instrument :

BNA_G

ClientSampleId :

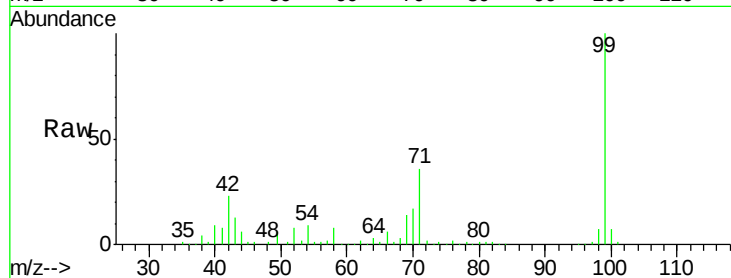
Tot Ion: 99 Resp: 433847

Ion Ratio Lower Upper

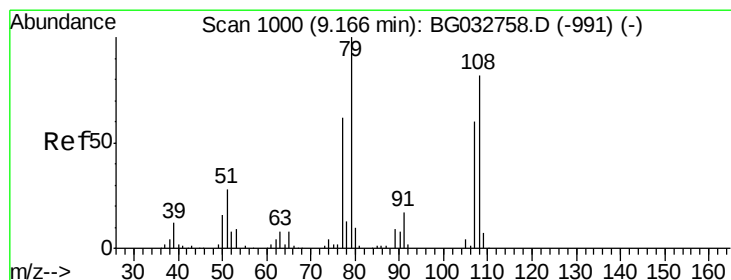
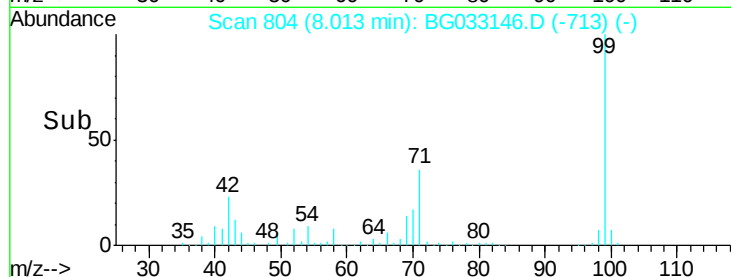
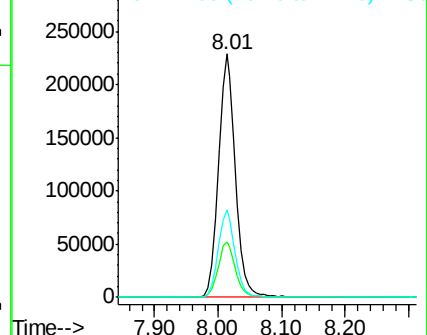
99 100

42 23.0 14.1 21.1#

71 36.0 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: 2.001 ng

RT: 9.24 min Scan# 1013

Delta R.T. 0.11 min

Lab File: BG033146.D

Acq: 14 Mar 2018 14:37

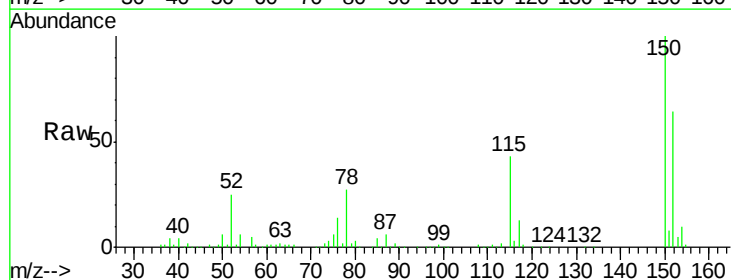
Tgt Ion: 79 Resp: 5226

Ion Ratio Lower Upper

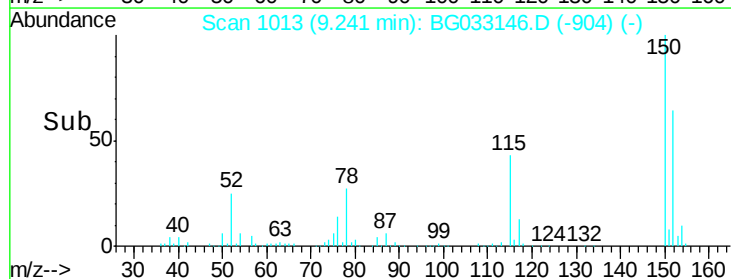
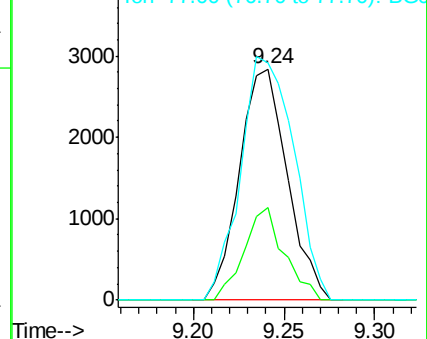
79 100

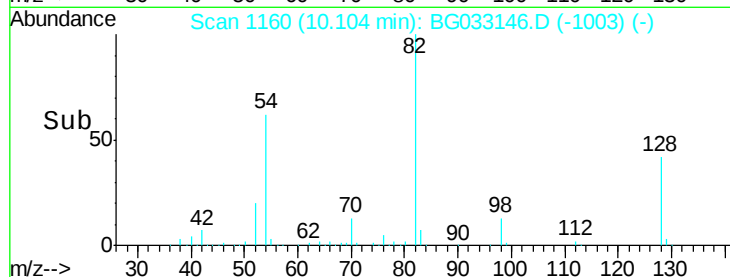
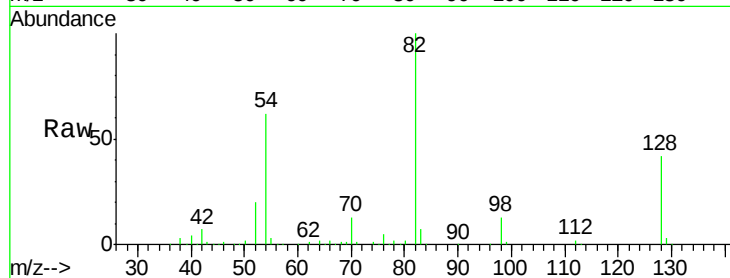
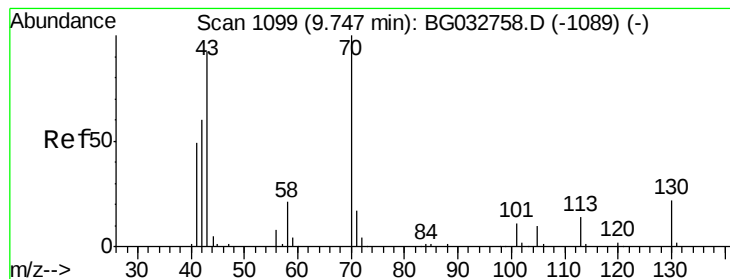
108 39.8 57.2 85.8#

77 102.8 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: 17.247 ng

RT: 10.10 min Scan# 1160

Delta R.T. 0.39 min

Lab File: BG033146.D

Acq: 14 Mar 2018 14:37

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 43266

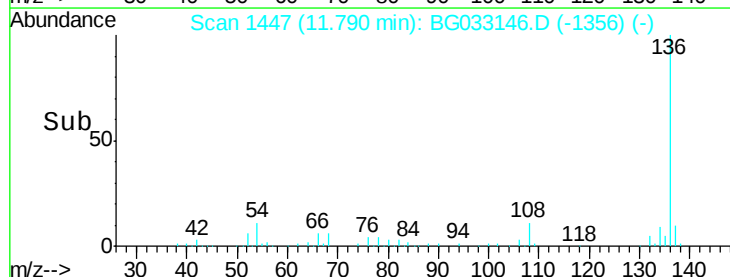
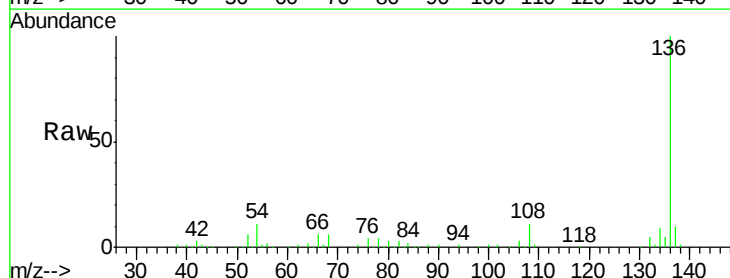
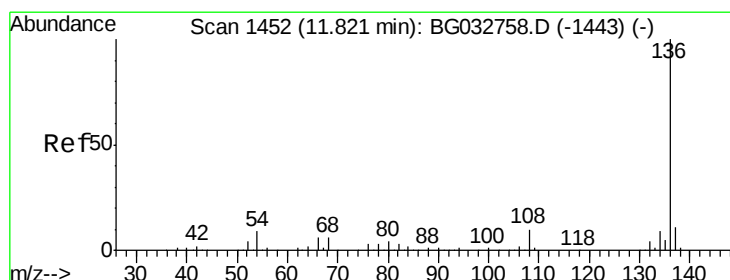
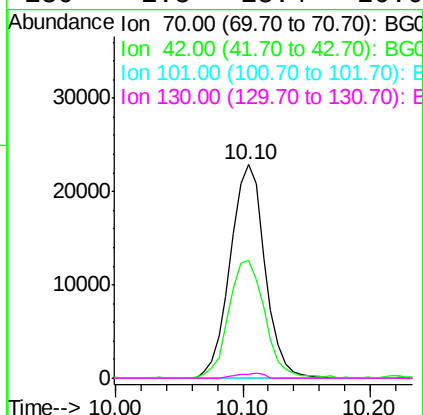
Ion Ratio Lower Upper

70 100

42 55.2 49.1 73.7

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.79 min Scan# 1447

Delta R.T. 0.00 min

Lab File: BG033146.D

Acq: 14 Mar 2018 14:37

Tgt Ion:136 Resp: 178337

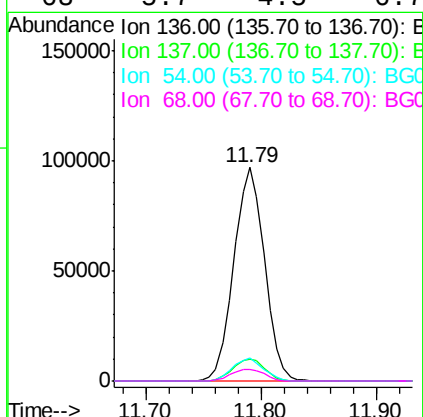
Ion Ratio Lower Upper

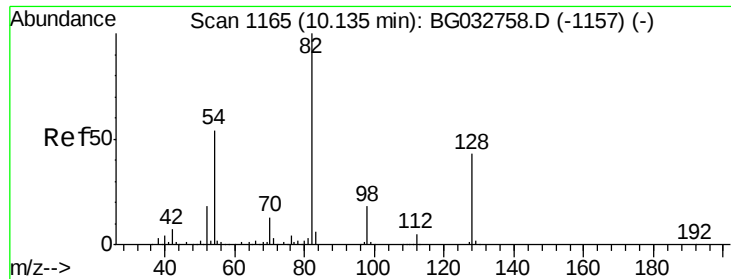
136 100

137 10.4 9.2 13.8

54 10.7 10.3 15.5

68 5.7 4.5 6.7

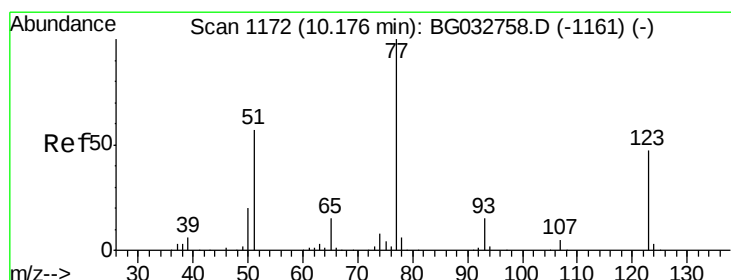
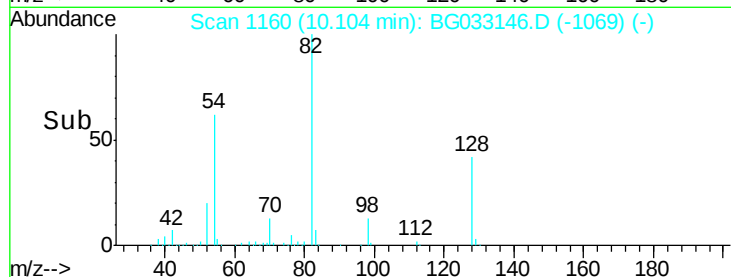
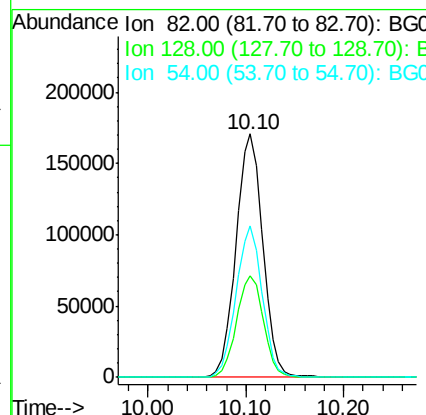
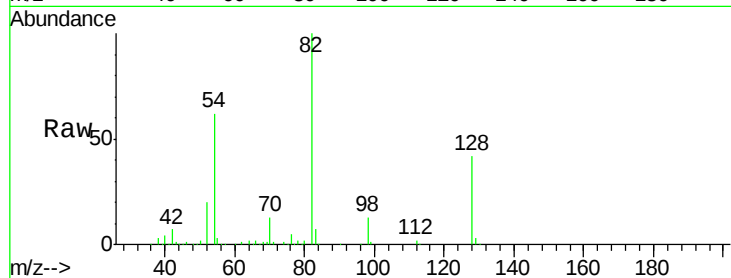




#23
 Nitrobenzene-d5
 Concen: 121.979 ng
 RT: 10.10 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: BG033146.D
 Acq: 14 Mar 2018 14:37

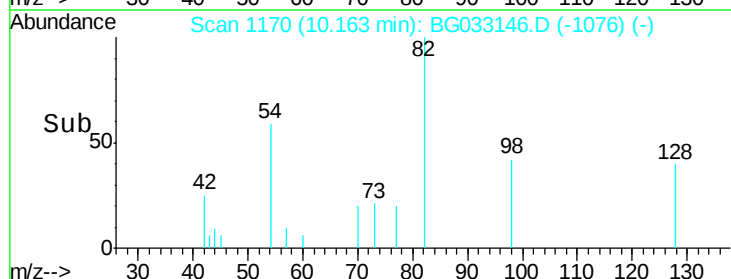
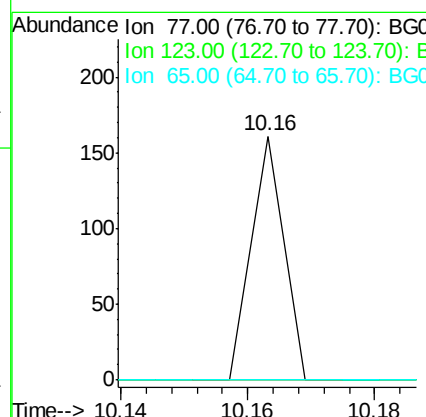
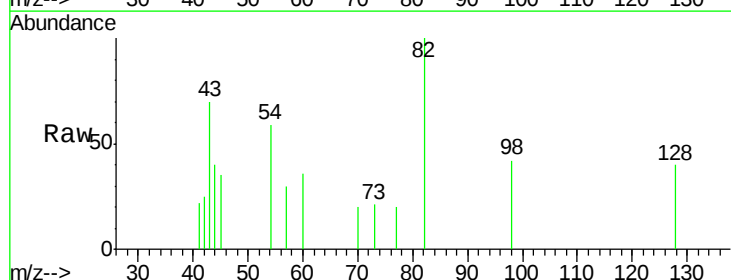
Instrument :
 BNA_G
 ClientSampleId :

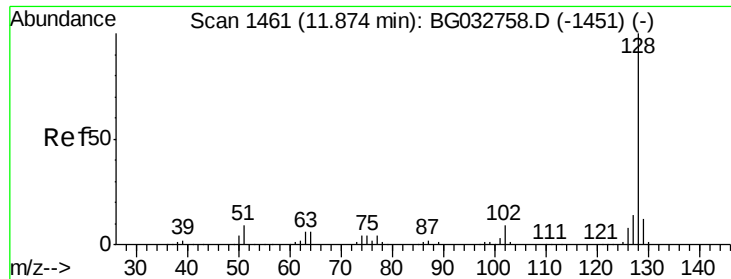
Tot Ion	82	Resp	326017
Ion Ratio	100	Lower	Upper
128	41.6	29.7	44.5
54	62.1	43.1	64.7



#24
 Nitrobenzene
 Concen: 6.398 ng
 RT: 10.16 min Scan# 1170
 Delta R.T. 0.02 min
 Lab File: BG033146.D
 Acq: 14 Mar 2018 14:37

Tgt Ion	77	Resp	57
Ion Ratio	100	Lower	Upper
123	0.0	33.0	49.6#
65	0.0	13.0	19.6#

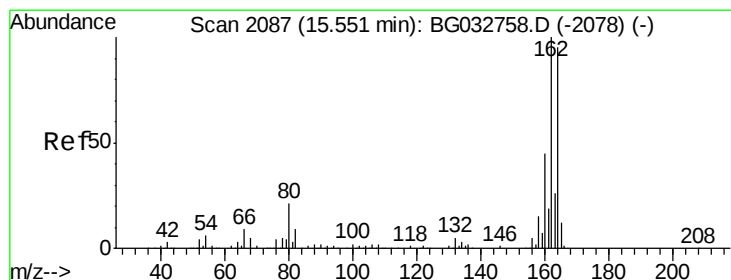
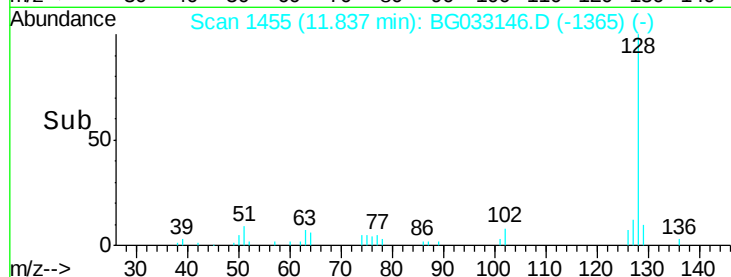
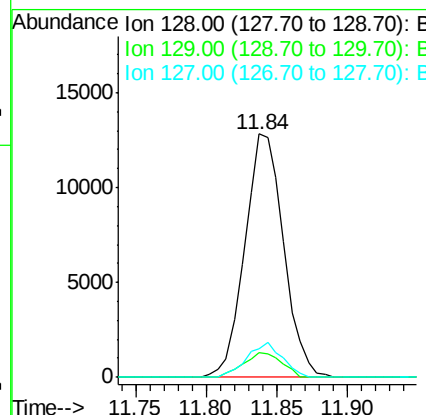
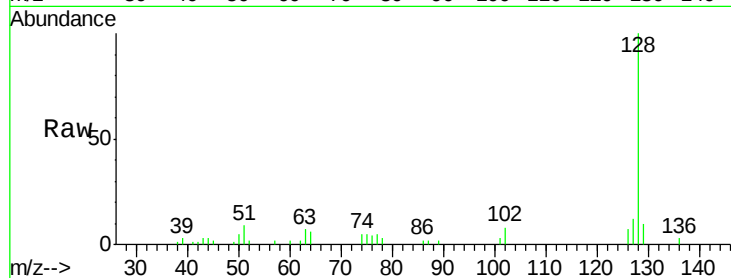




#31
Naphthalene
Concen: 2.648 ng
RT: 11.84 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BG033146.D
Acq: 14 Mar 2018 14:37

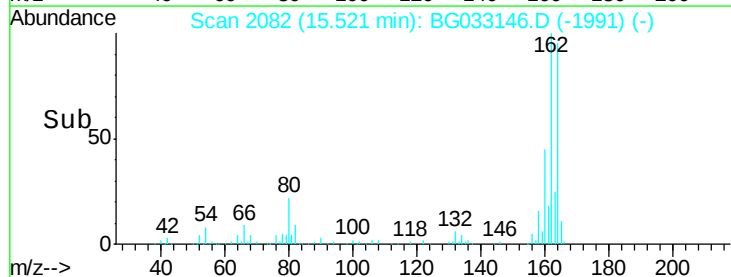
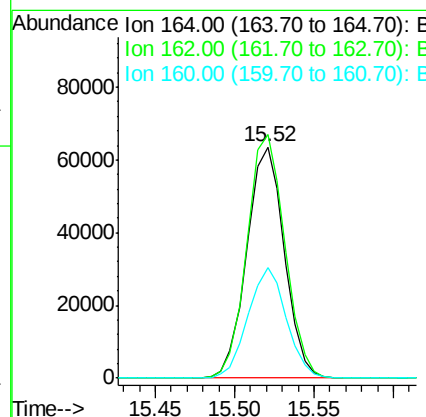
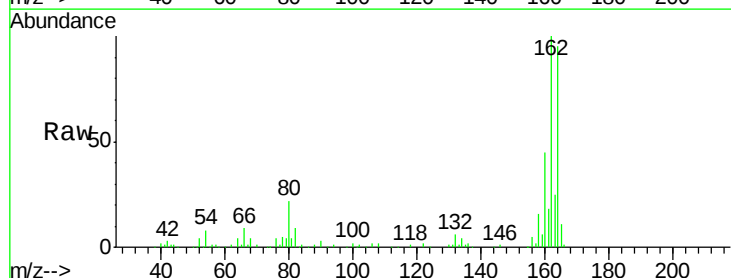
Instrument :
BNA_G
ClientSampleId :

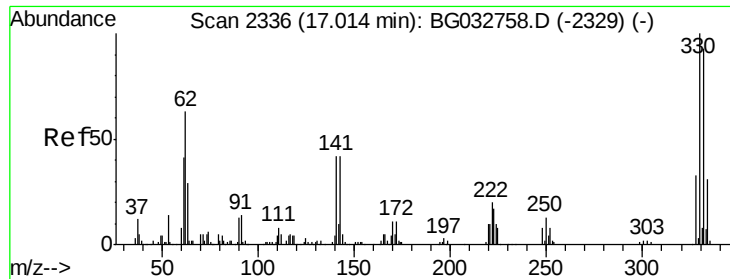
Tot Ion:128 Resp: 24675
Ion Ratio Lower Upper
128 100
129 10.0 8.6 12.8
127 11.8 11.6 17.4



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.52 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BG033146.D
Acq: 14 Mar 2018 14:37

Tgt Ion:164 Resp: 104391
Ion Ratio Lower Upper
164 100
162 105.2 78.8 118.2
160 47.6 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 216.763 ng

RT: 17.00 min Scan# 2333

Delta R.T. 0.00 min

Lab File: BG033146.D

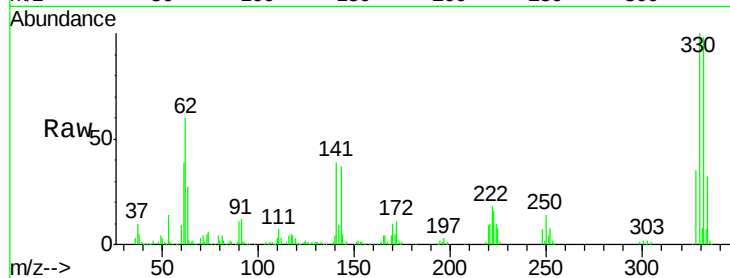
Acq: 14 Mar 2018 14:37

Instrument :

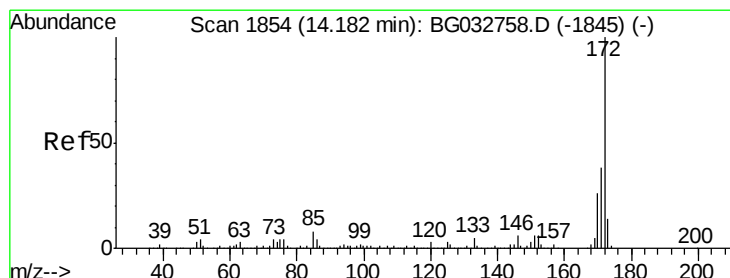
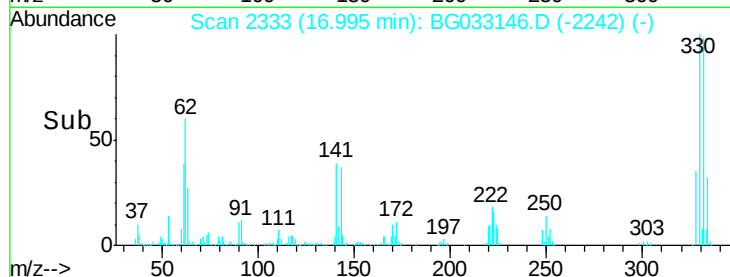
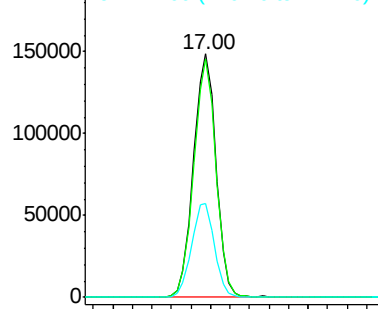
BNA_G

ClientSampleId :

Tot Ion:	330	Resp:	237927
Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	39.2	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: 96.958 ng

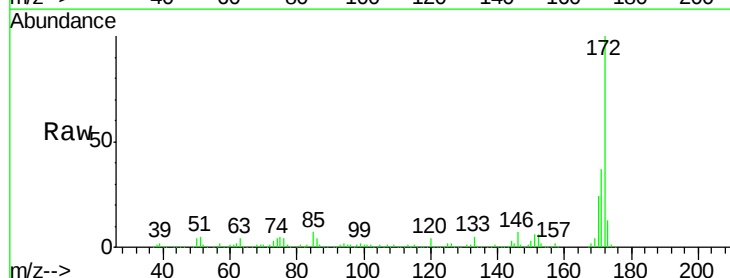
RT: 14.15 min Scan# 1849

Delta R.T. 0.01 min

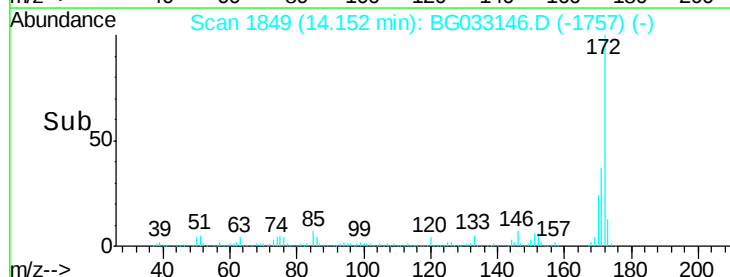
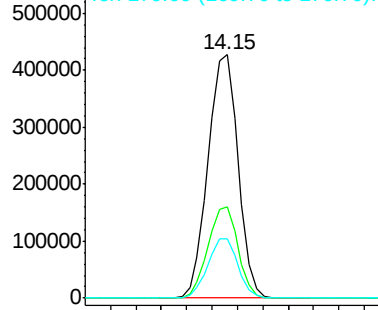
Lab File: BG033146.D

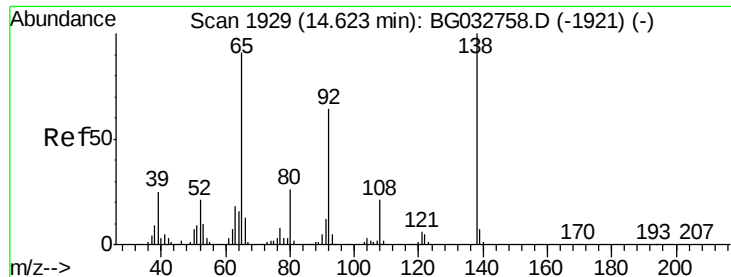
Acq: 14 Mar 2018 14:37

Tgt Ion:	172	Resp:	701788
Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	24.3	19.5	29.3



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#47

2-Nitroaniline

Concen: 10.538 ng

RT: 14.15 min Scan# 1849

Delta R.T. -0.45 min

Lab File: BG033146.D

Acq: 14 Mar 2018 14:37

Instrument :

BNA_G

ClientSampled :

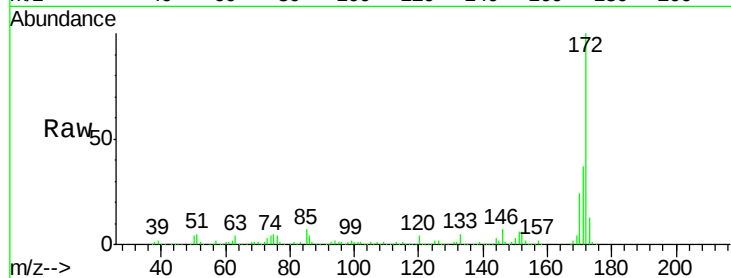
Tot Ion: 65 Resp: 1518

Ion Ratio Lower Upper

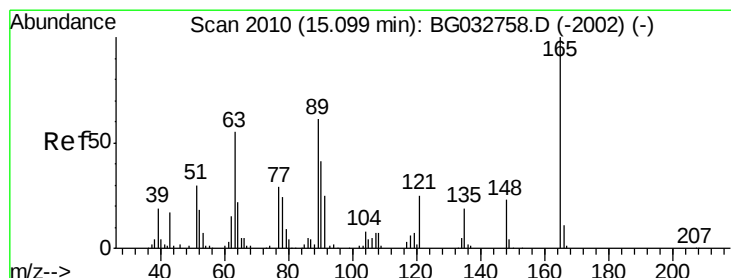
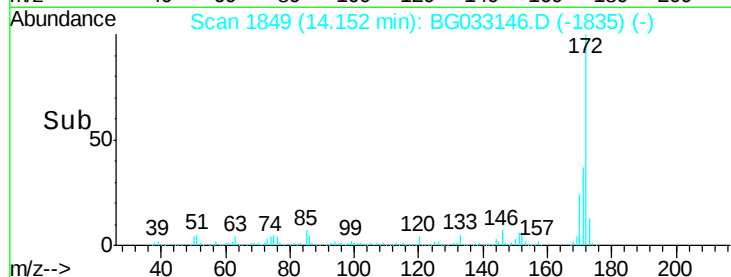
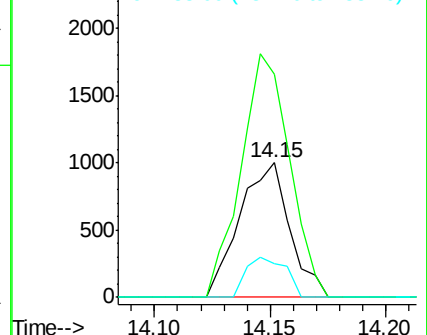
65 100

92 165.2 54.6 82.0#

138 25.3 72.9 109.3#



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



#50

2,6-Dinitrotoluene

Concen: 16.337 ng

RT: 15.52 min Scan# 2082

Delta R.T. 0.44 min

Lab File: BG033146.D

Acq: 14 Mar 2018 14:37

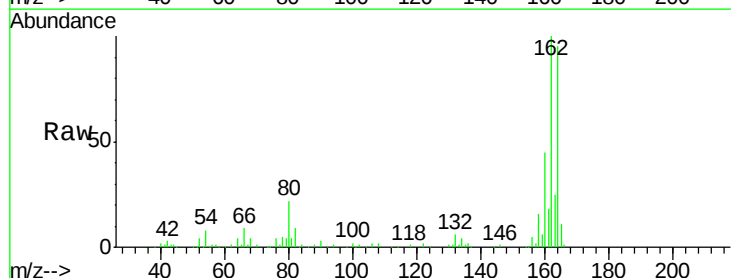
Tgt Ion:165 Resp: 13397

Ion Ratio Lower Upper

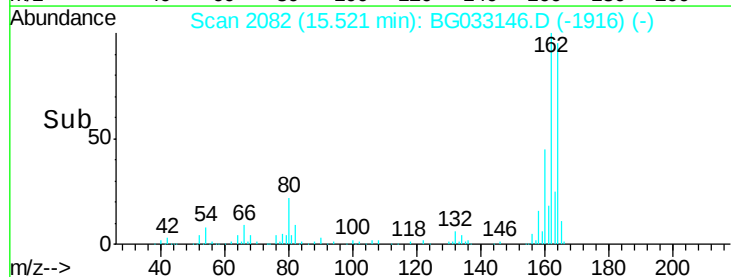
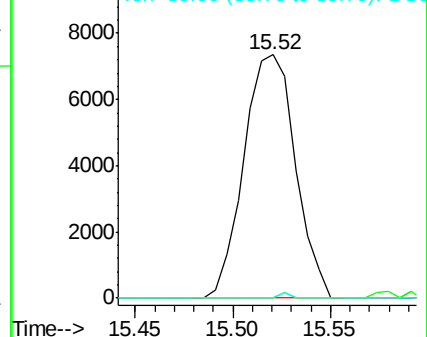
165 100

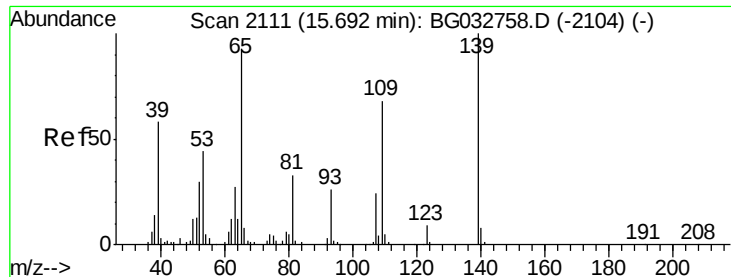
63 0.0 52.7 79.1#

89 0.0 49.2 73.8#



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

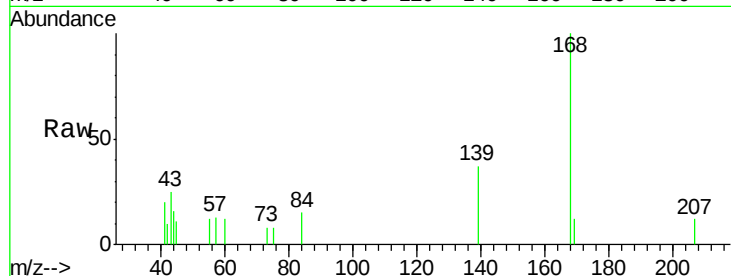




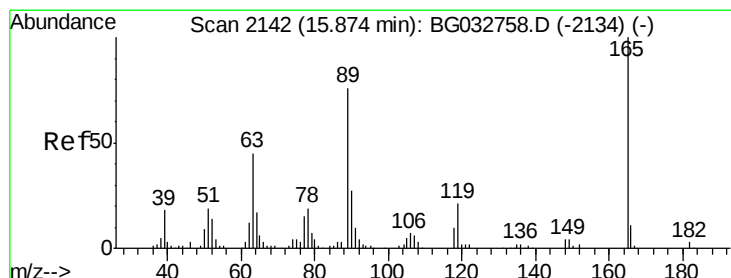
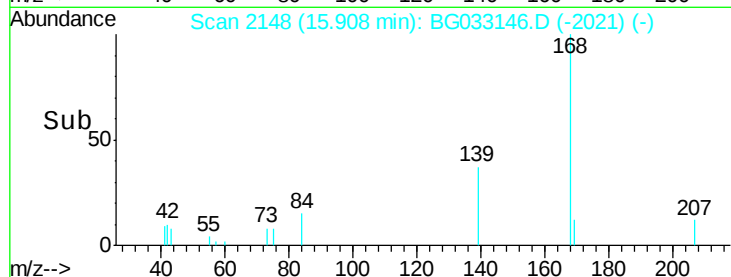
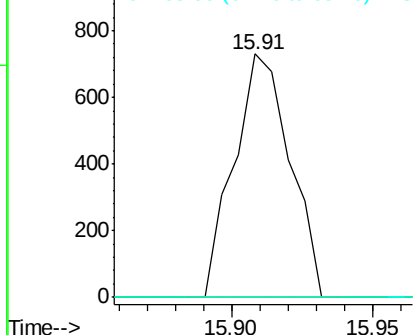
#55
4-Nitrophenol
Concen: 7.711 ng
RT: 15.91 min Scan# 2148
Delta R.T. 0.21 min
Lab File: BG033146.D
Acq: 14 Mar 2018 14:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 1004
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

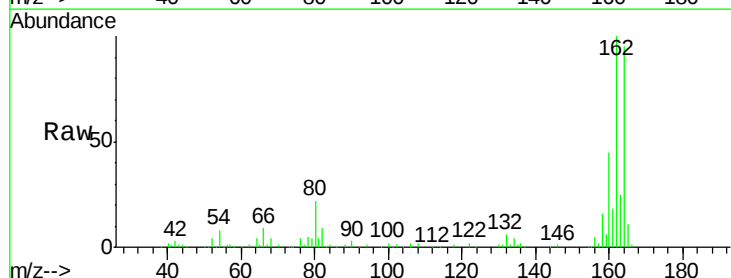


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

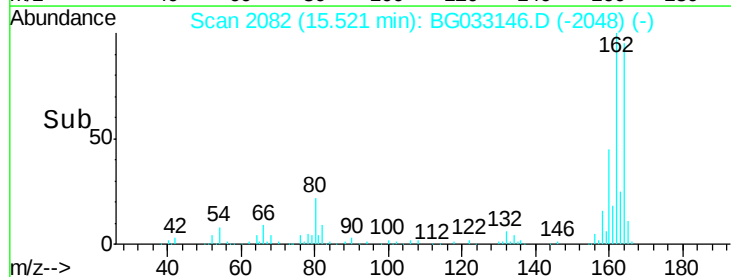
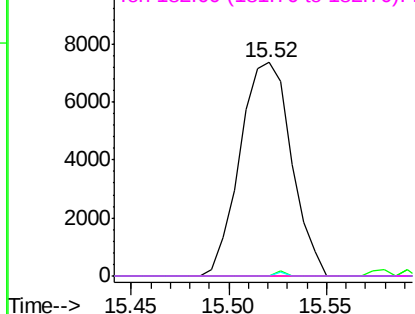


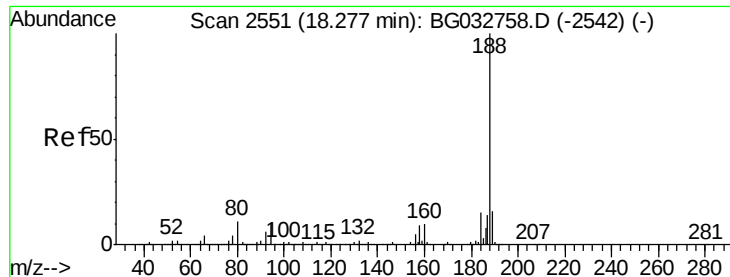
#56
2,4-Dinitrotoluene
Concen: 14.535 ng
RT: 15.52 min Scan# 2082
Delta R.T. -0.33 min
Lab File: BG033146.D
Acq: 14 Mar 2018 14:37

Tgt Ion:165 Resp: 13397
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

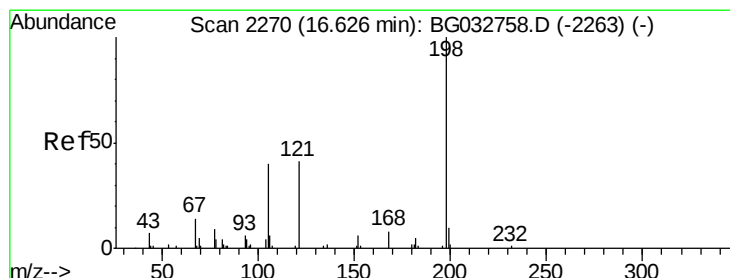
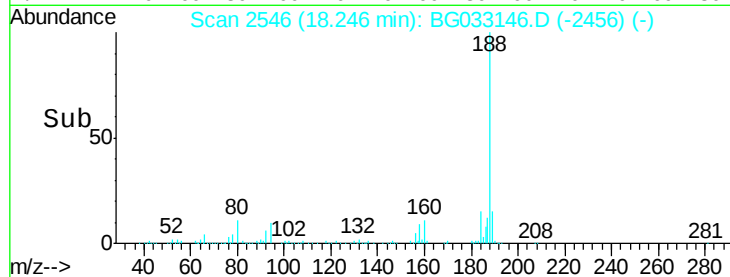
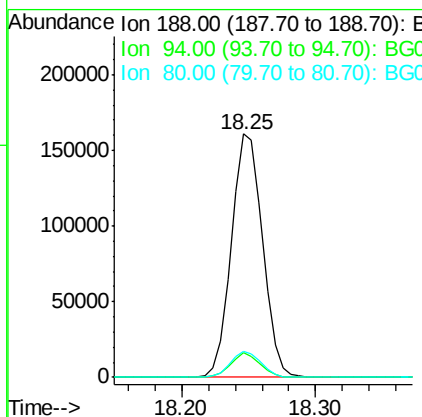
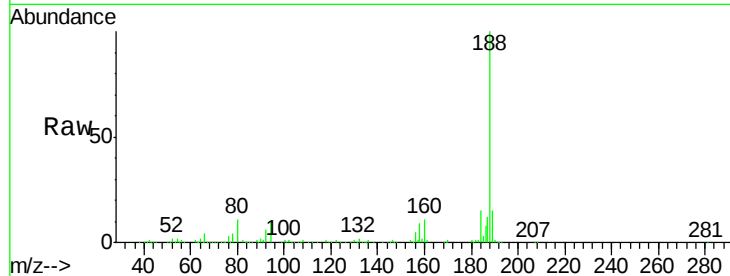




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2546
Delta R.T. -0.00 min
Lab File: BG033146.D
Acq: 14 Mar 2018 14:37

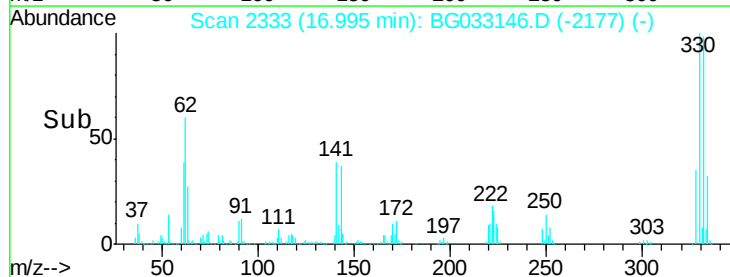
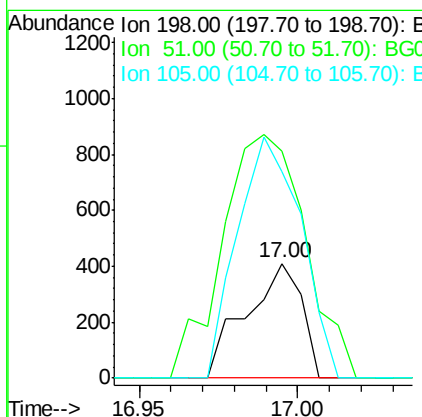
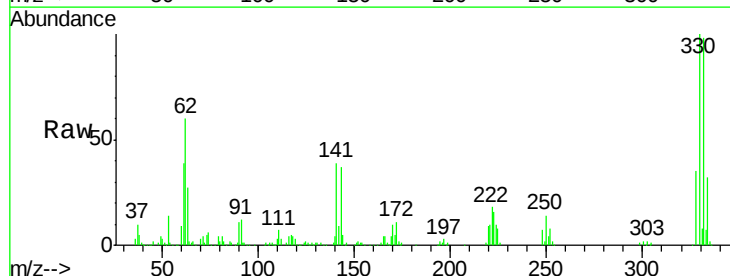
Instrument :
BNA_G
ClientSampleId :

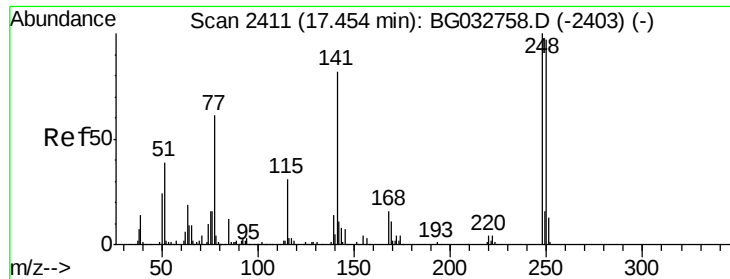
Tot Ion:188 Resp: 261159
Ion Ratio Lower Upper
188 100
94 10.3 6.9 10.3
80 10.8 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 5.757 ng
RT: 17.00 min Scan# 2333
Delta R.T. 0.38 min
Lab File: BG033146.D
Acq: 14 Mar 2018 14:37

Tgt Ion:198 Resp: 497
Ion Ratio Lower Upper
198 100
51 198.8 30.6 70.6#
105 180.2 23.8 63.8#

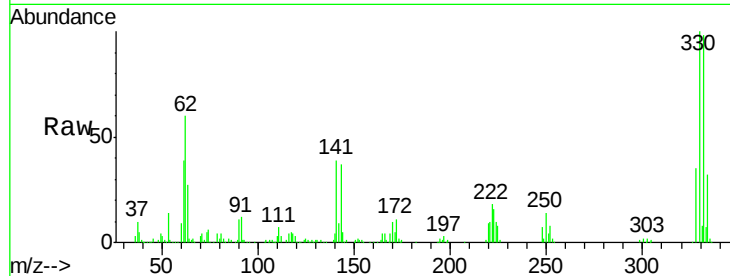




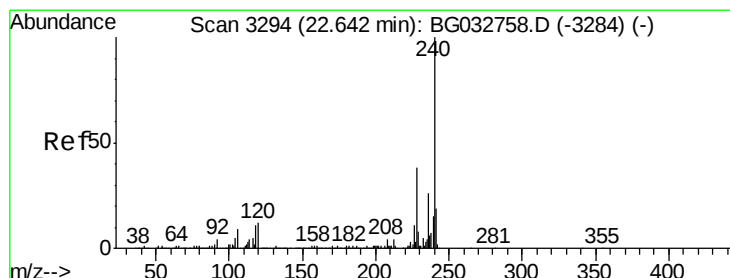
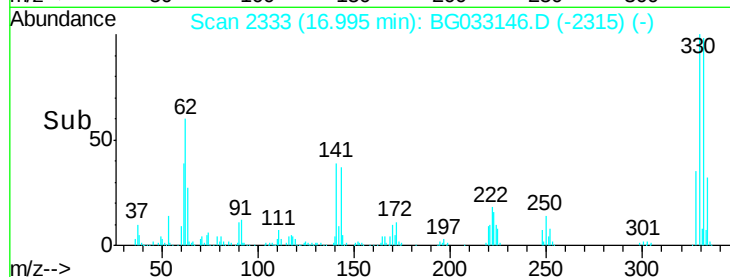
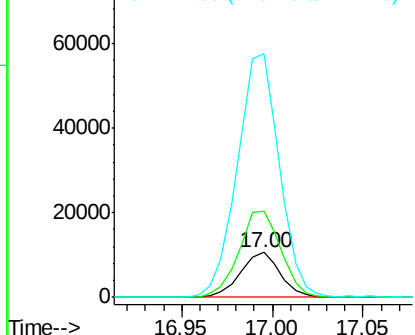
#66
 4-Bromophenyl-phenylether
 Concen: 5.844 ng
 RT: 17.00 min Scan# 2333
 Delta R.T. -0.43 min
 Lab File: BG033146.D
 Acq: 14 Mar 2018 14:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 16139
 Ion Ratio Lower Upper
 248 100
 250 194.3 77.1 115.7#
 141 545.5 50.8 76.2#

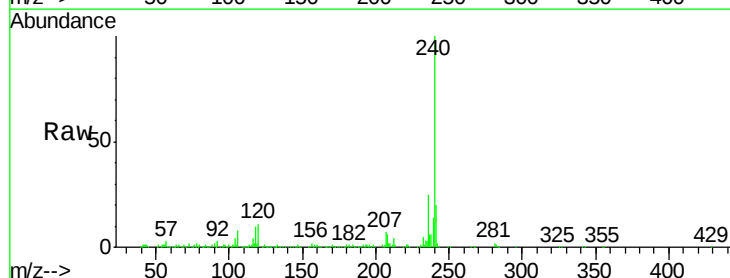


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

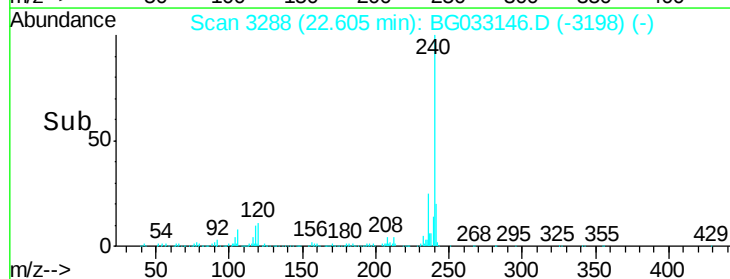
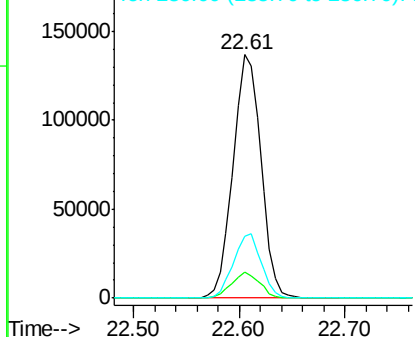


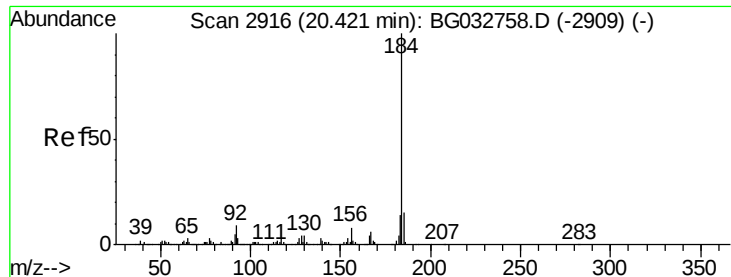
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.61 min Scan# 3288
 Delta R.T. -0.00 min
 Lab File: BG033146.D
 Acq: 14 Mar 2018 14:37

Tgt Ion:240 Resp: 249955
 Ion Ratio Lower Upper
 240 100
 120 10.8 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





#76

Benzidine

Concen: 2.468 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.37 min

Lab File: BG033146.D

Acq: 14 Mar 2018 14:37

Instrument :

BNA_G

ClientSampleId :

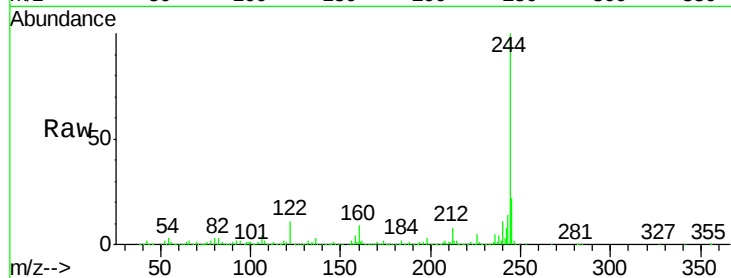
Tot Ion:184 Resp: 21030

Ion Ratio Lower Upper

184 100

185 17.2 11.1 16.7#

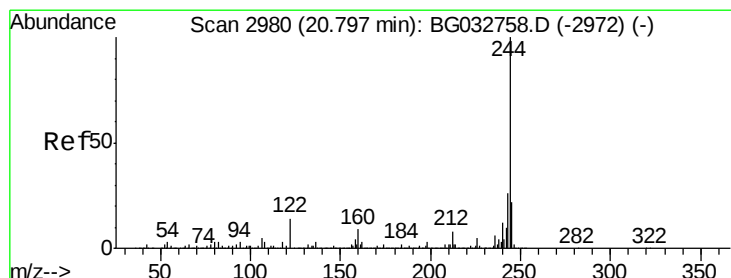
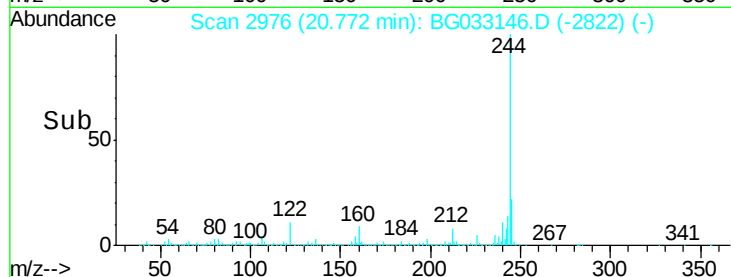
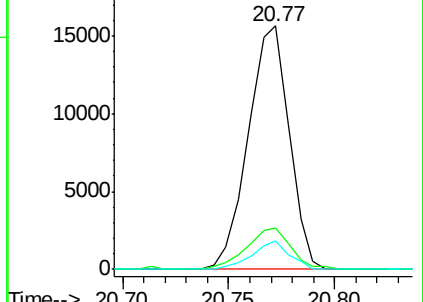
183 11.5 10.6 16.0



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: 110.710 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.01 min

Lab File: BG033146.D

Acq: 14 Mar 2018 14:37

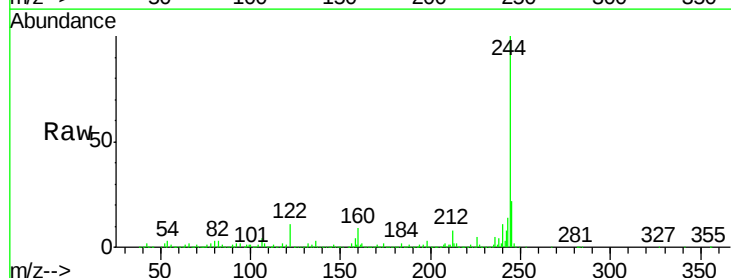
Tgt Ion:244 Resp: 1231676

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

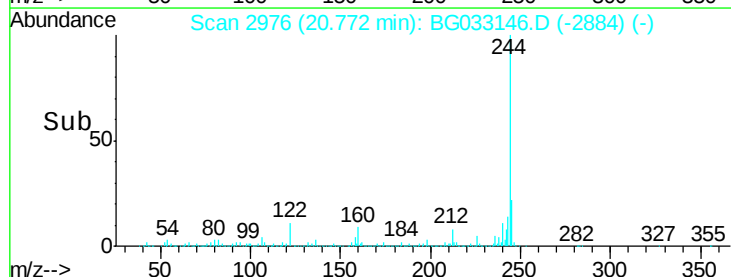
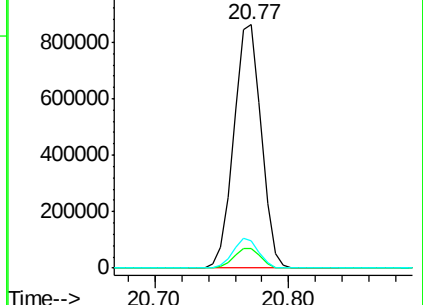
122 11.3 7.0 10.4#

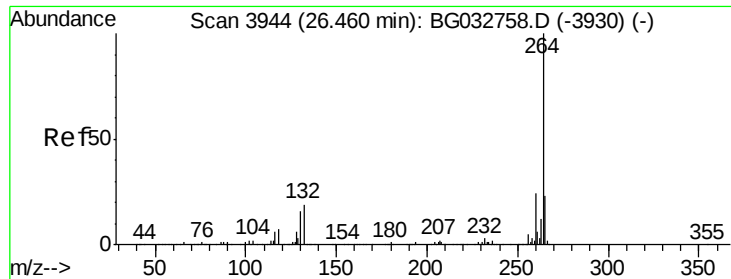


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

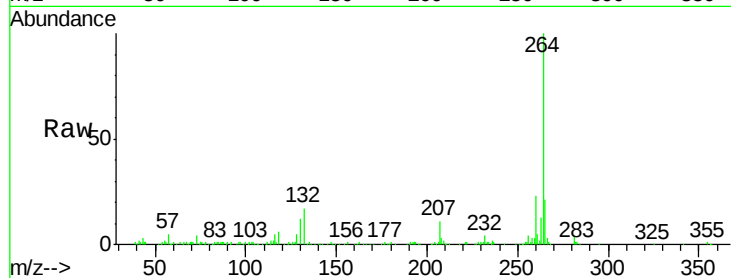




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.42 min Scan# 3937
Delta R.T. 0.01 min
Lab File: BG033146.D
Acq: 14 Mar 2018 14:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	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

