

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061918\
 Data File : BG035254.D
 Acq On : 19 Jun 2018 19:00
 Operator : SJ/JU
 Sample : J3546-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

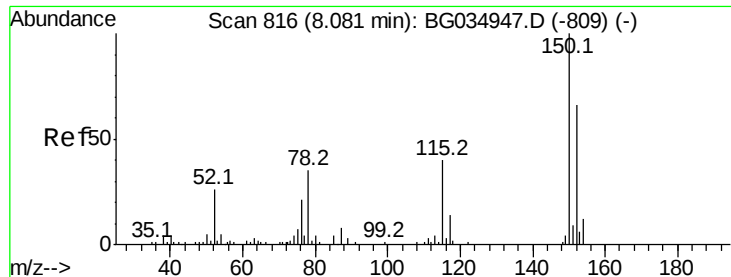
Instrument :
 BNA_G
 ClientSampleId :
 061418-DBRC-F-U-B

Quant Time: Jun 19 22:18:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	24469	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	95764	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	72522	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	262371	20.00	ng	-0.01
75) Chrysene-d12	21.69	240	462958	20.00	ng	-0.03
86) Perylene-d12	24.92	264	388226	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	78392	54.07	ng	-0.01
7) Phenol-d6	7.22	99	78013	36.45	ng	0.00
23) Nitrobenzene-d5	9.22	82	238385	118.33	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	147141	158.49	ng	-0.02
44) 2-Fluorobiphenyl	13.31	172	572700	102.66	ng	-0.02
78) Terphenyl-d14	20.03	244	2057468	93.09	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	31576	17.368	ng	# 68
49) Dimethylphthalate	14.13	163	32732	5.176	ng	# 96
50) 2,6-Dinitrotoluene	14.68	165	10001	8.668	ng	# 22
56) 2,4-Dinitrotoluene	14.68	165	10001	6.525	ng	# 19
62) Azobenzene	16.03	77	14620	2.312	ng	# 1
66) 4-Bromophenyl-phenylether	16.16	248	10645	3.369	ng	# 1
76) Benzidine	20.03	184	36565	2.123	ng	# 94

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

```
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Operator  : SJ/JU  
Sample    : J3546-03  
Misc      :  
ALS Vial  : 6      Sample Multiplier: 1
```

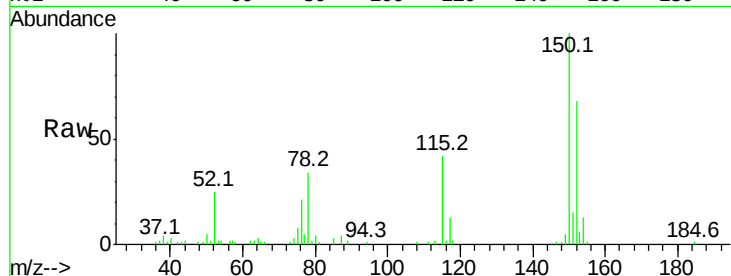


#1

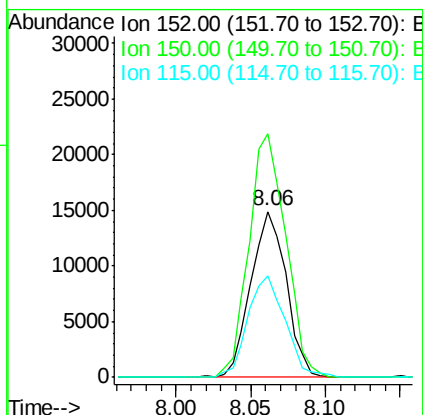
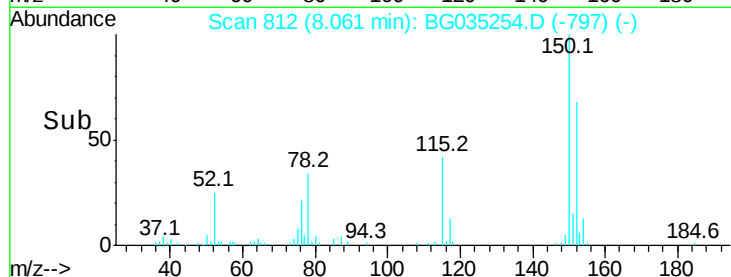
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BG035254.D
 Acq: 19 Jun 2018 19:00

Instrument :
 BNA_G
 ClientSampleId :
 061418-DBRC-F-U-B

Tot Ion:152 Resp: 24469
 Ion Ratio Lower Upper
 152 100
 150 147.0 126.6 189.8
 115 61.3 53.0 79.4



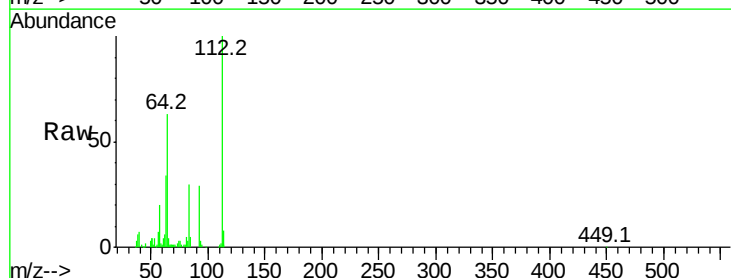
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



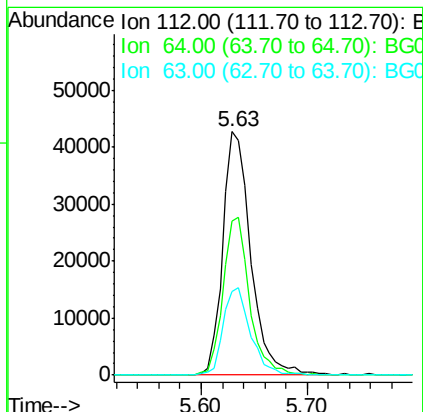
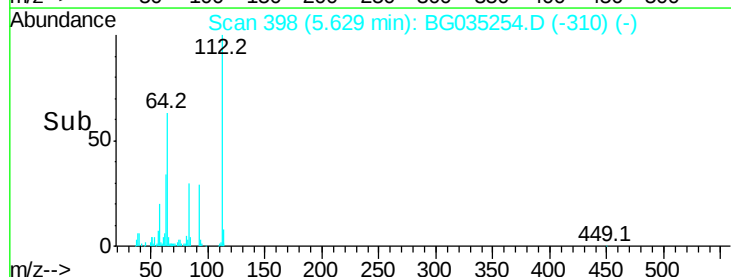
#5

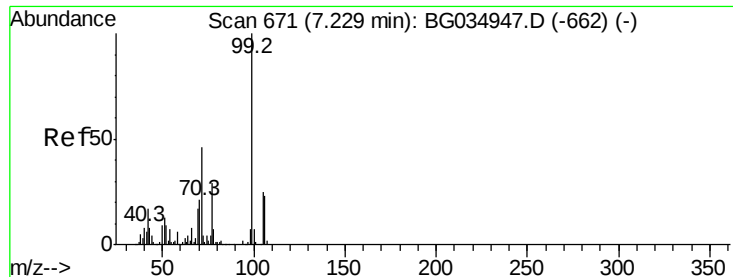
2-Fluorophenol
 Concen: 54.066 ng
 RT: 5.63 min Scan# 398
 Delta R.T. -0.01 min
 Lab File: BG035254.D
 Acq: 19 Jun 2018 19:00

Tgt Ion:112 Resp: 78392
 Ion Ratio Lower Upper
 112 100
 64 63.1 56.3 84.5
 63 34.3 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: 36.455 ng

RT: 7.22 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035254.D

Acq: 19 Jun 2018 19:00

Instrument :

BNA_G

ClientSampleId :

061418-DBRC-F-U-B

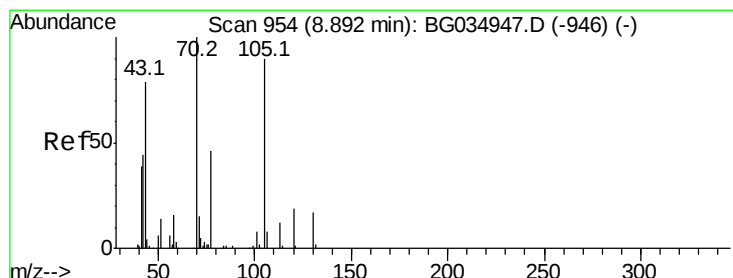
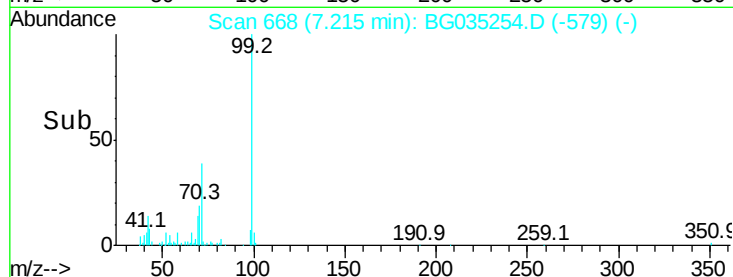
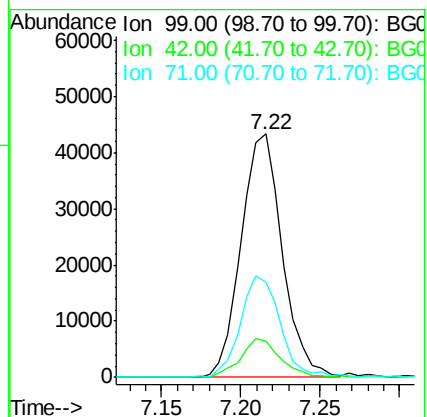
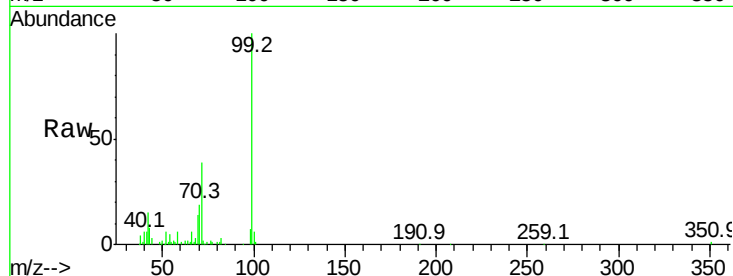
Tot Ion: 99 Resp: 78013

Ion Ratio Lower Upper

99 100

42 14.9 14.1 21.1

71 38.8 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 17.368 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.34 min

Lab File: BG035254.D

Acq: 19 Jun 2018 19:00

Tgt Ion: 70 Resp: 31576

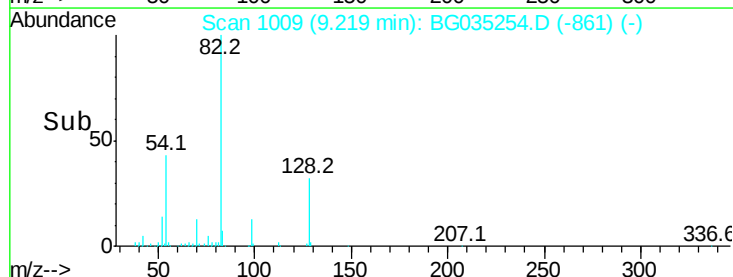
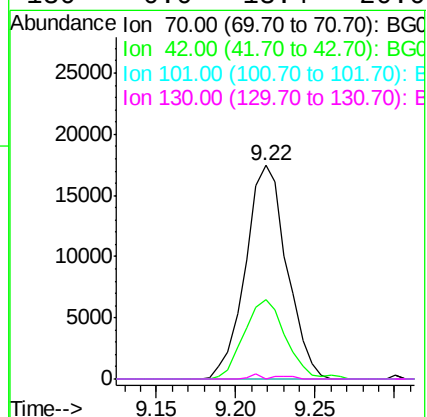
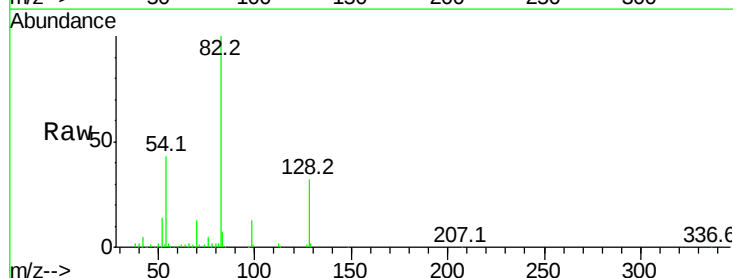
Ion Ratio Lower Upper

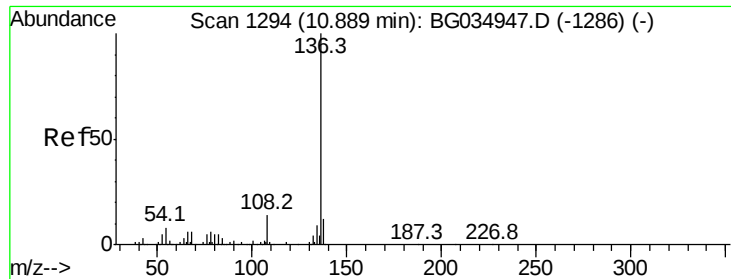
70 100

42 37.4 49.1 73.7#

101 0.0 8.5 12.7#

130 0.0 13.4 20.0#

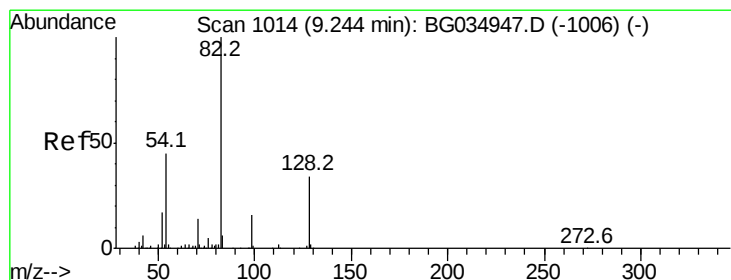
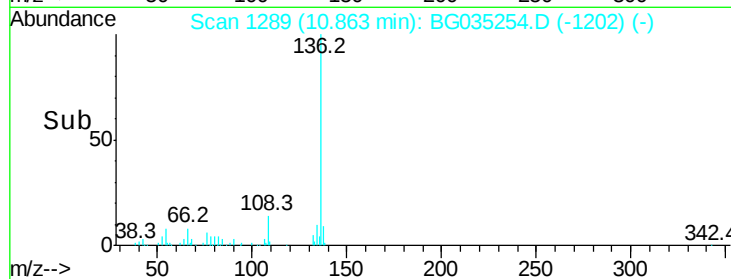
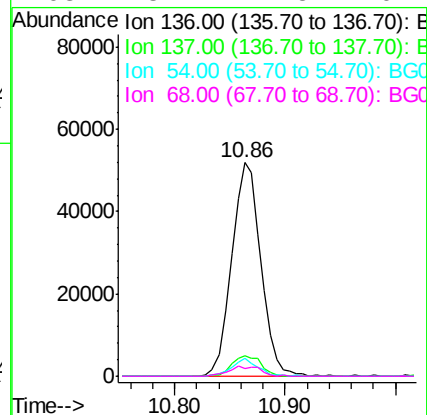
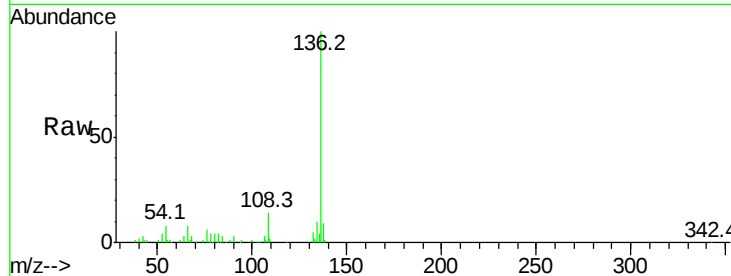




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.02 min
Lab File: BG035254.D
Acq: 19 Jun 2018 19:00

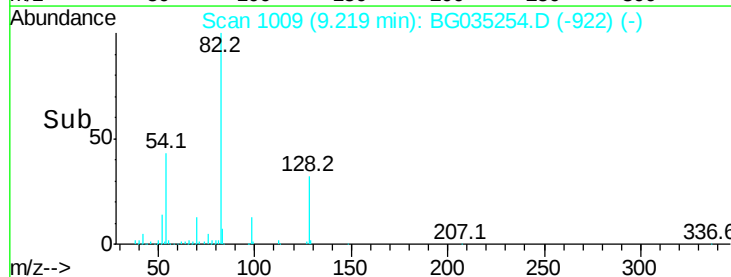
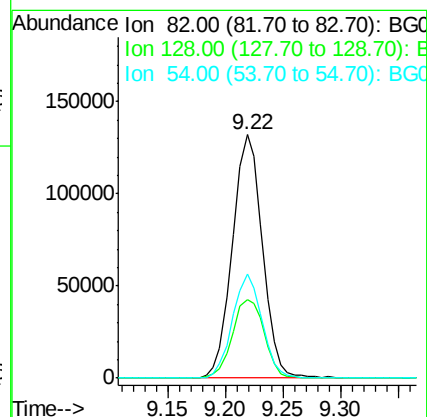
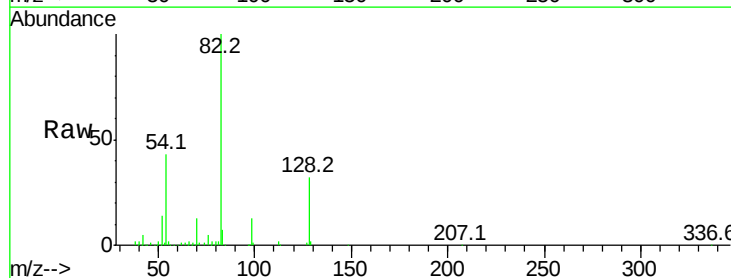
Instrument :
BNA_G
ClientSampleId :
061418-DBRC-F-U-B

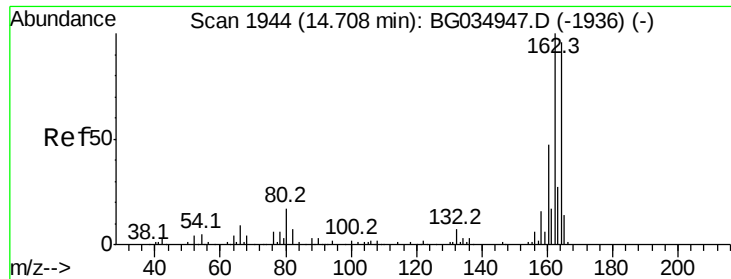
Tot Ion:	136	Resp:	95764
Ion	Ratio	Lower	Upper
136	100		
137	9.5	9.2	13.8
54	8.4	10.3	15.5#
68	3.4	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 118.327 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BG035254.D
Acq: 19 Jun 2018 19:00

Tgt Ion:	82	Resp:	238385
Ion	Ratio	Lower	Upper
82	100		
128	32.1	29.7	44.5
54	42.7	43.1	64.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BG035254.D

Acq: 19 Jun 2018 19:00

Instrument :

BNA_G

ClientSampleId :

061418-DBRC-F-U-B

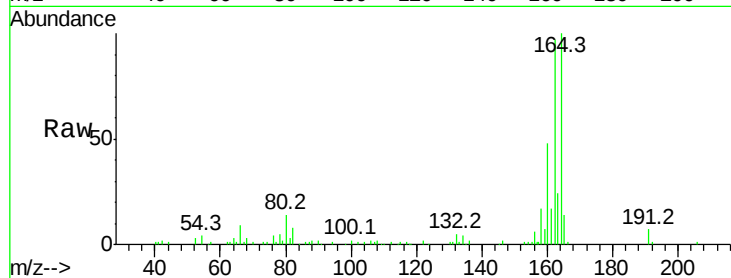
Tot Ion:164 Resp: 72522

Ion Ratio Lower Upper

164 100

162 97.1 78.8 118.2

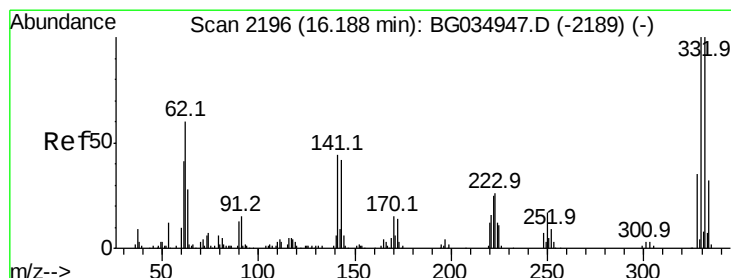
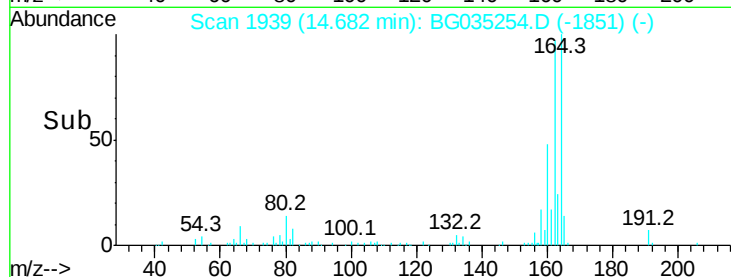
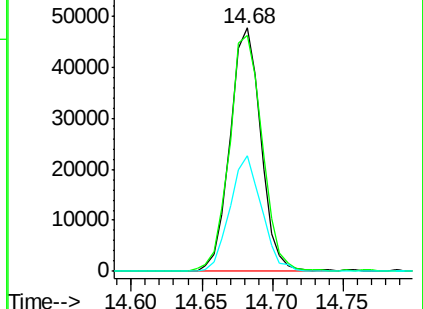
160 47.6 35.4 53.0



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: 158.493 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BG035254.D

Acq: 19 Jun 2018 19:00

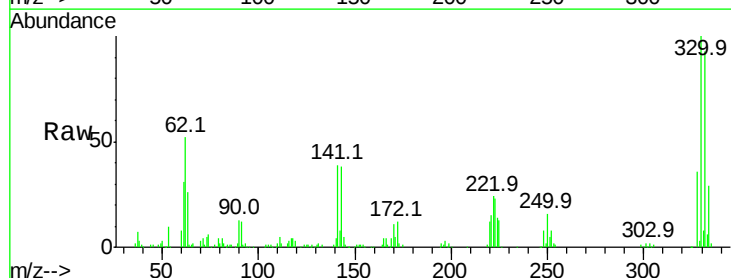
Tgt Ion:330 Resp: 147141

Ion Ratio Lower Upper

330 100

332 94.5 77.0 115.6

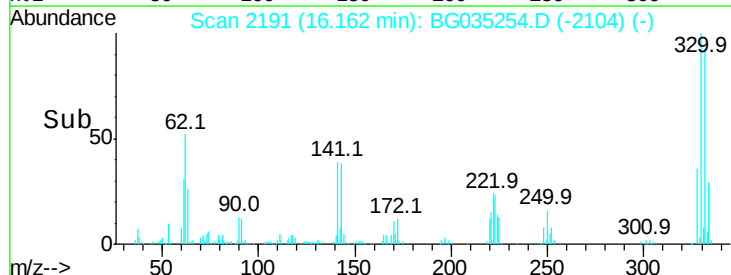
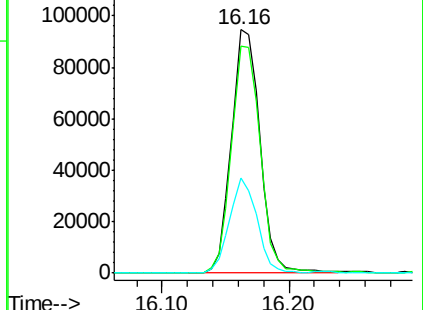
141 37.7 25.2 37.8

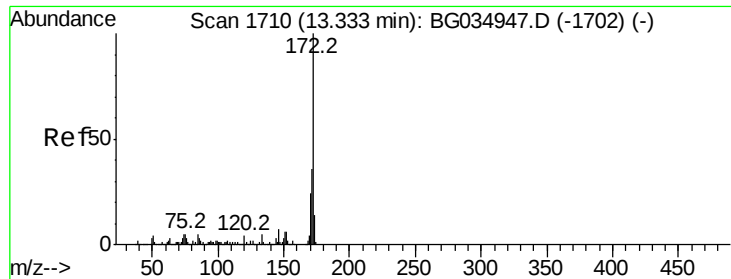


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

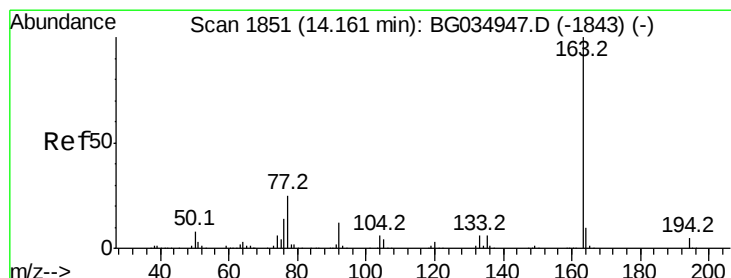
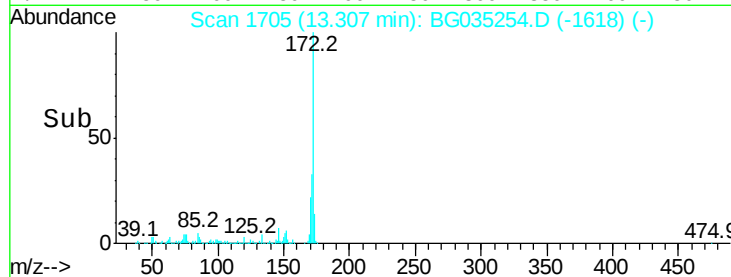
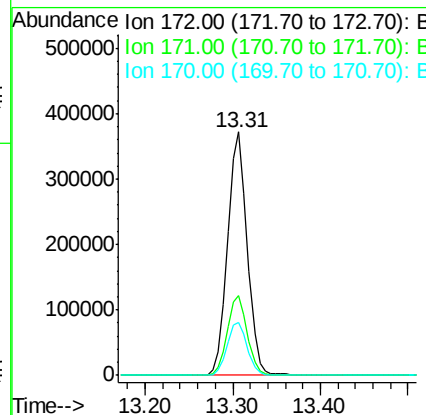
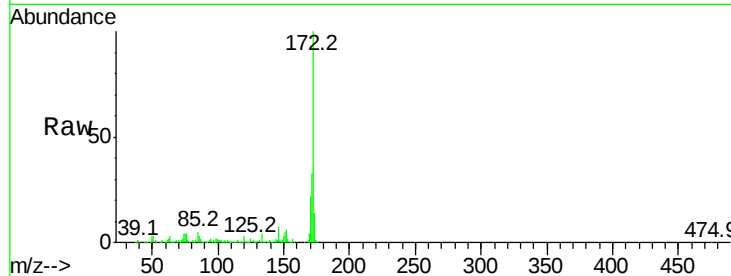




#44
2-Fluorobiphenyl
Concen: 102.660 ng
RT: 13.31 min Scan# 1705
Delta R.T. -0.02 min
Lab File: BG035254.D
Acq: 19 Jun 2018 19:00

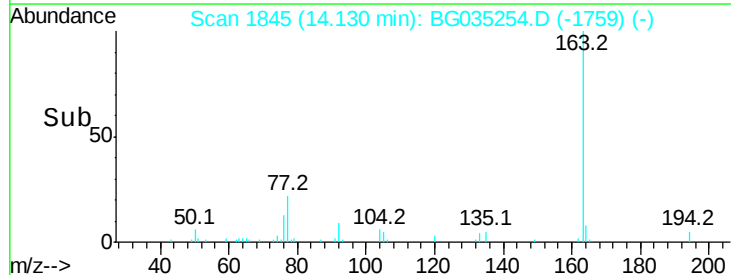
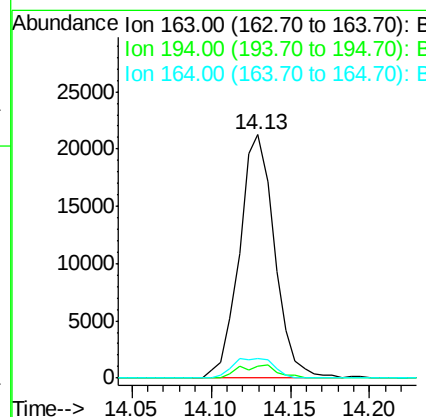
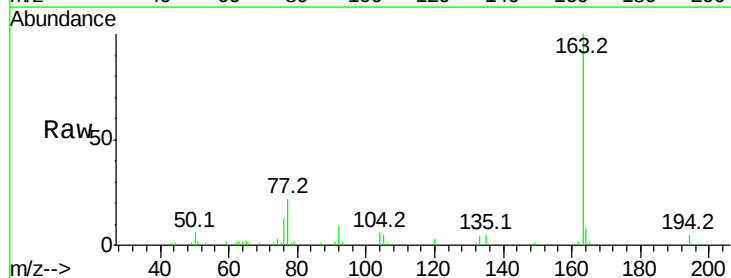
Instrument :
BNA_G
ClientSampleId :
061418-DBRC-F-U-B

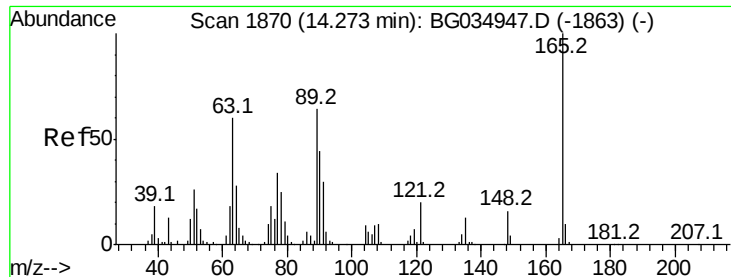
Tot Ion:172 Resp: 572700
Ion Ratio Lower Upper
172 100
171 32.5 30.0 45.0
170 21.8 19.5 29.3



#49
Dimethylphthalate
Concen: 5.176 ng
RT: 14.13 min Scan# 1845
Delta R.T. -0.03 min
Lab File: BG035254.D
Acq: 19 Jun 2018 19:00

Tgt Ion:163 Resp: 32732
Ion Ratio Lower Upper
163 100
194 4.8 3.4 5.2
164 8.2 8.2 12.4#

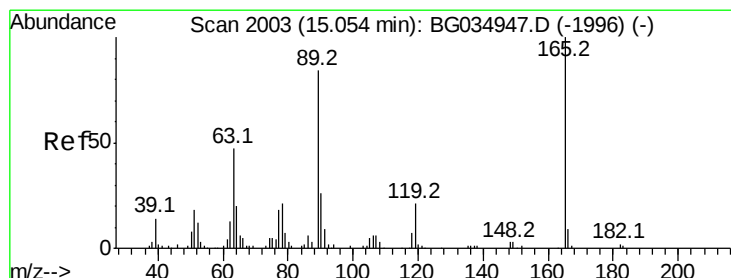
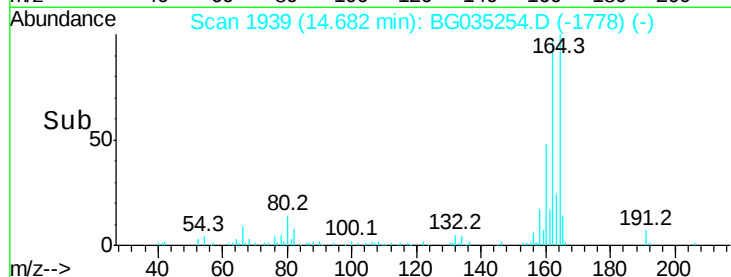
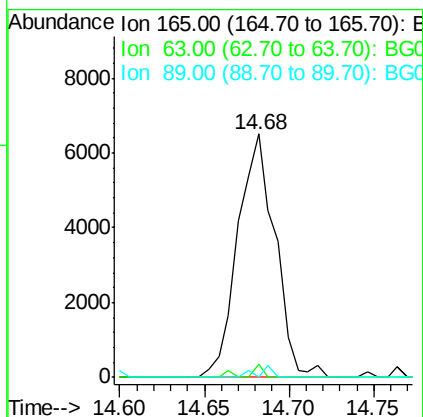
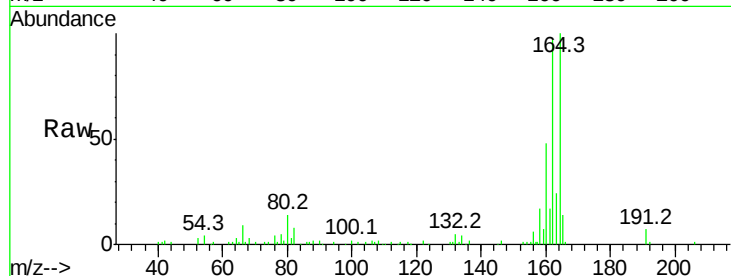




#50
 2,6-Dinitrotoluene
 Concen: 8.668 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. 0.41 min
 Lab File: BG035254.D
 Acq: 19 Jun 2018 19:00

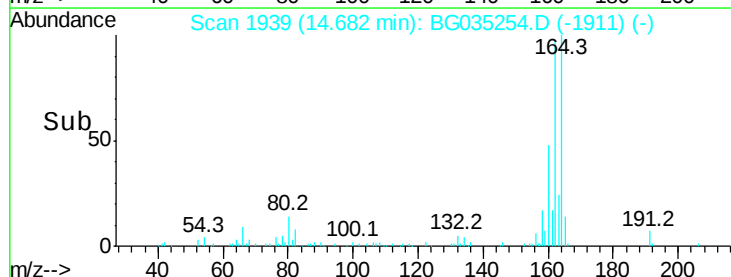
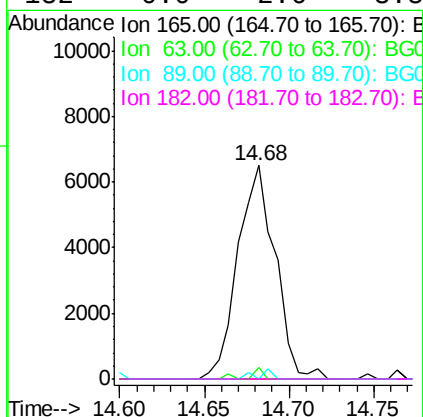
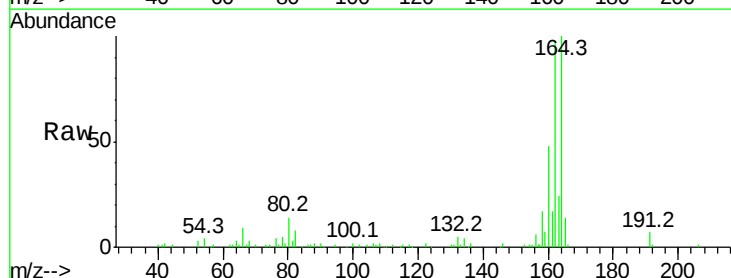
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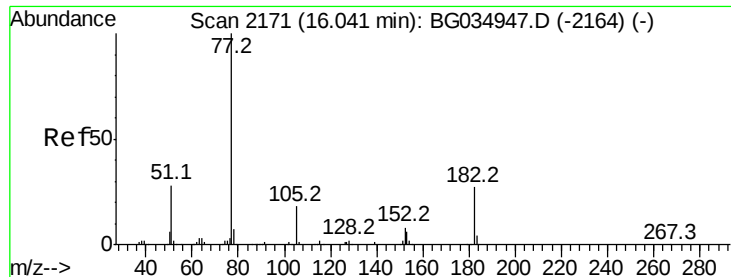
Tot Ion:165 Resp: 10001
 Ion Ratio Lower Upper
 165 100
 63 5.4 52.7 79.1#
 89 0.0 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.525 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.37 min
 Lab File: BG035254.D
 Acq: 19 Jun 2018 19:00

Tgt Ion:165 Resp: 10001
 Ion Ratio Lower Upper
 165 100
 63 5.4 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#





#62

Azobenzene

Concen: 2.312 ng

RT: 16.03 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BG035254.D

Acq: 19 Jun 2018 19:00

Instrument :

BNA_G

ClientSampleId :

061418-DBRC-F-U-B

Tot Ion: 77 Resp: 14620

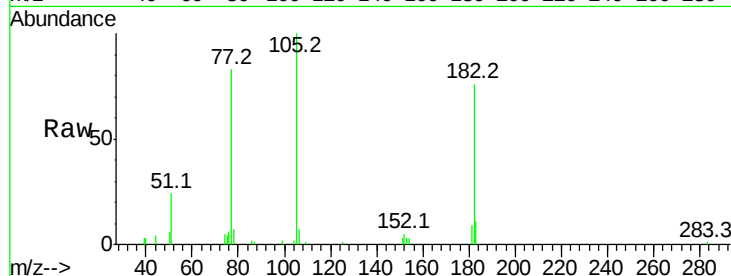
Ion Ratio Lower Upper

77 100

182 92.1 7.4 47.4#

105 121.2 0.3 40.3#

51 29.0 11.6 51.6

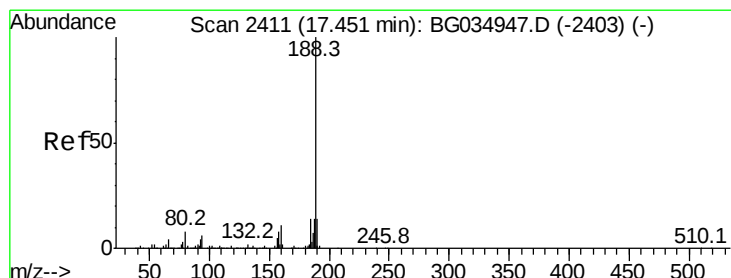
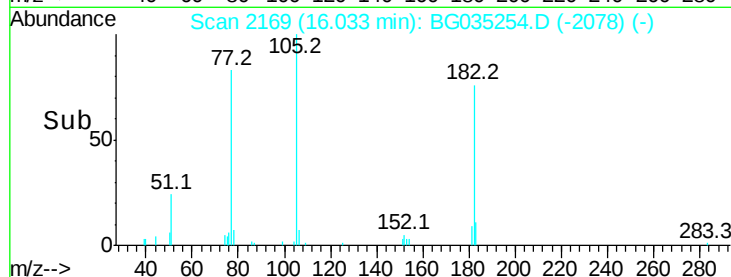
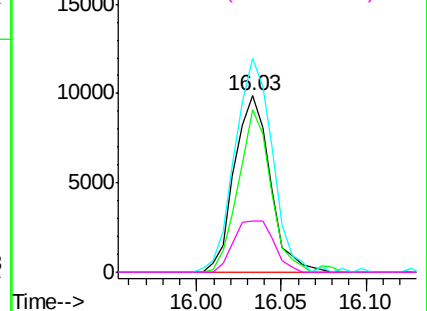


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2406

Delta R.T. -0.01 min

Lab File: BG035254.D

Acq: 19 Jun 2018 19:00

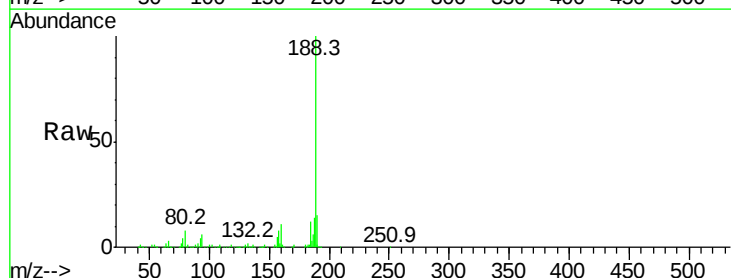
Tgt Ion: 188 Resp: 262371

Ion Ratio Lower Upper

188 100

94 6.3 6.9 10.3#

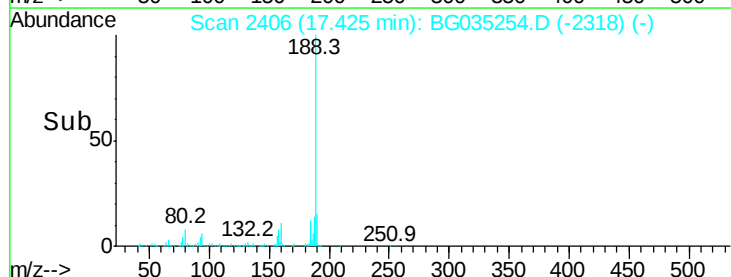
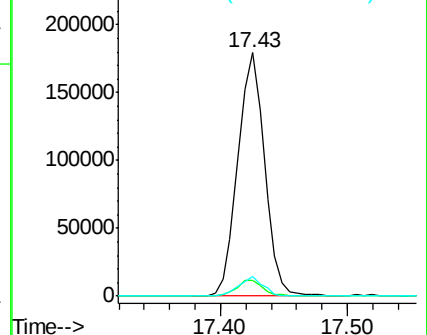
80 8.1 7.7 11.5

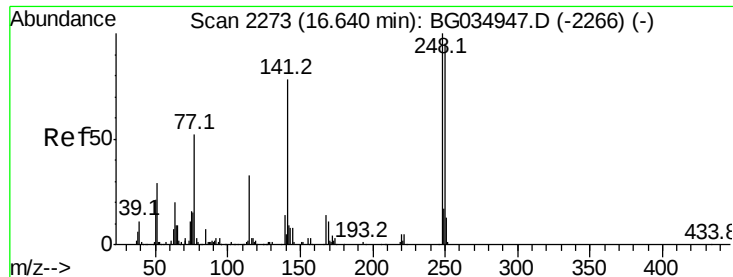


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

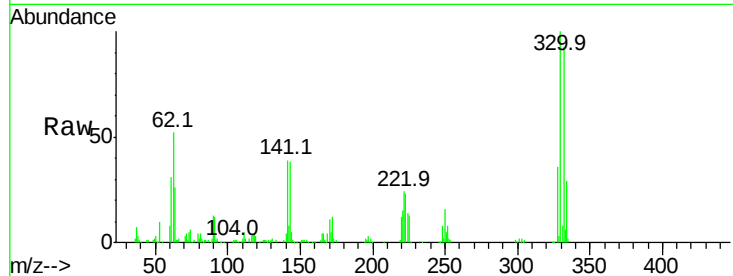




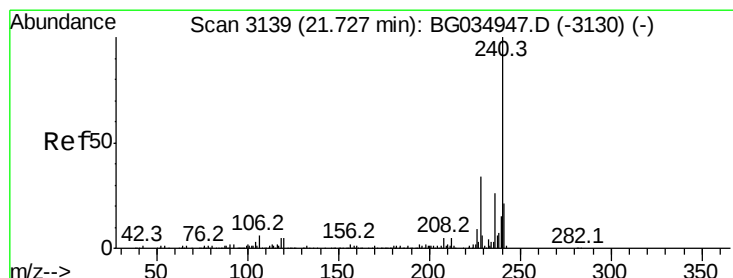
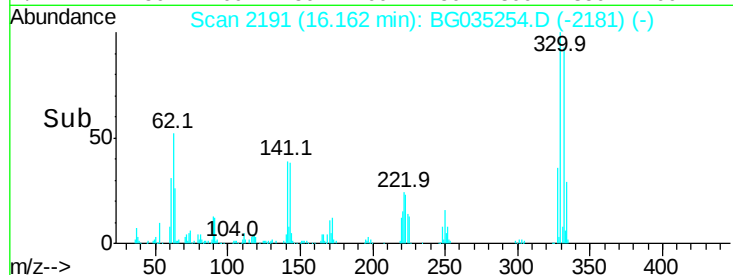
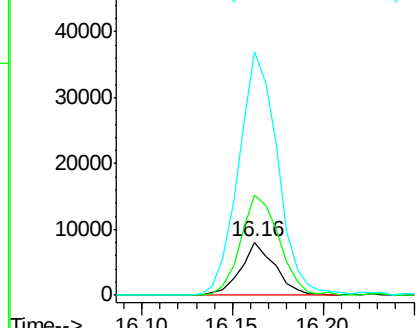
#66
4-Bromophenyl-phenylether
Concen: 3.369 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.47 min
Lab File: BG035254.D
Acq: 19 Jun 2018 19:00

Instrument :
BNA_G
ClientSampleId :
061418-DBRC-F-U-B

Tot Ion:248 Resp: 10645
Ion Ratio Lower Upper
248 100
250 189.2 77.1 115.7#
141 459.9 50.8 76.2#

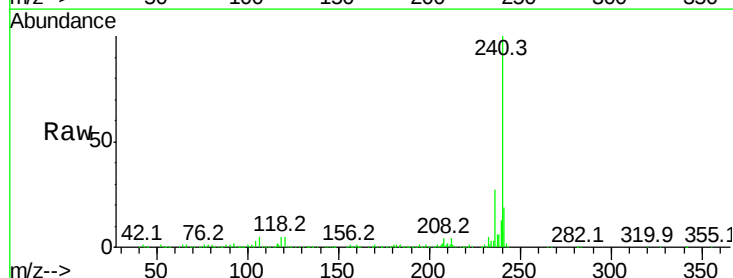


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

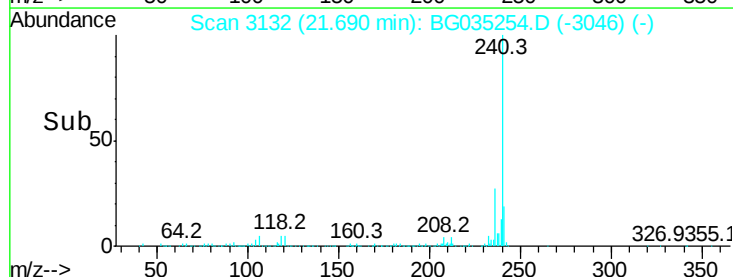
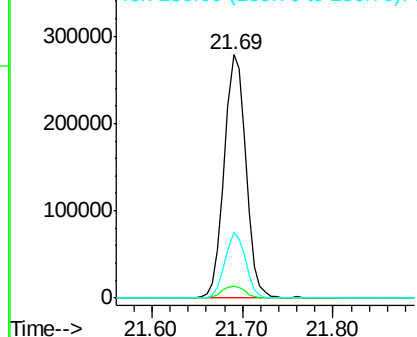


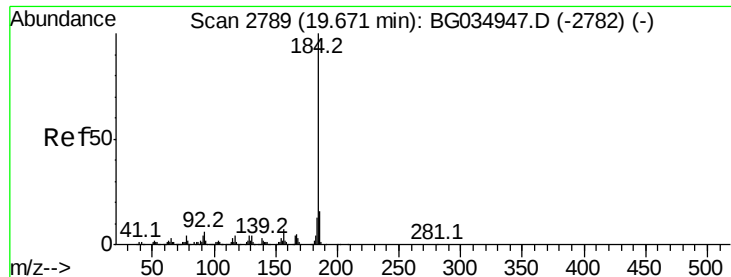
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3132
Delta R.T. -0.03 min
Lab File: BG035254.D
Acq: 19 Jun 2018 19:00

Tgt Ion:240 Resp: 462958
Ion Ratio Lower Upper
240 100
120 5.1 6.8 10.2#
236 27.2 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

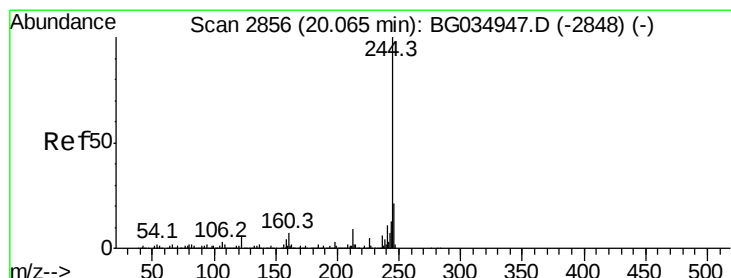
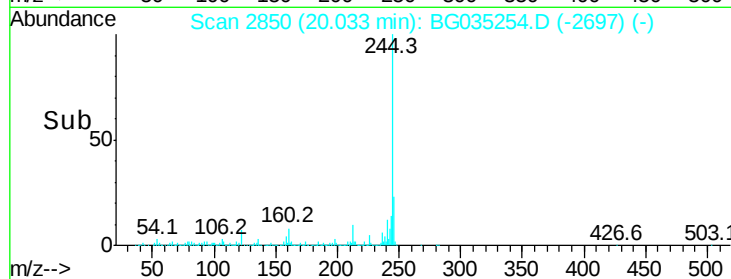
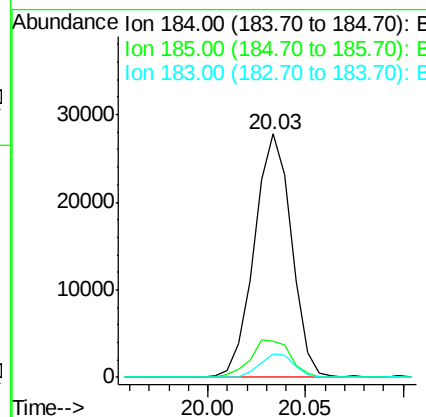
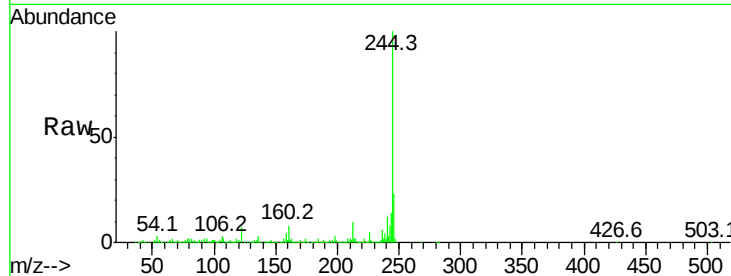




#76
Benzidine
Concen: 2.123 ng
RT: 20.03 min Scan# 2850
Delta R.T. 0.37 min
Lab File: BG035254.D
Acq: 19 Jun 2018 19:00

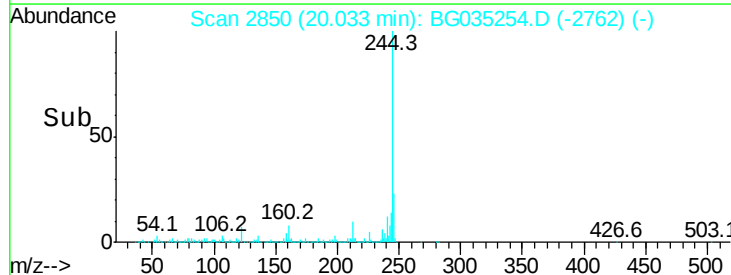
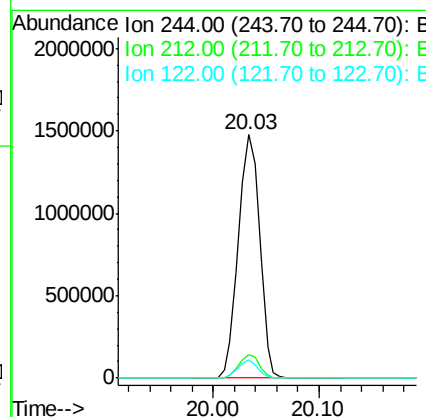
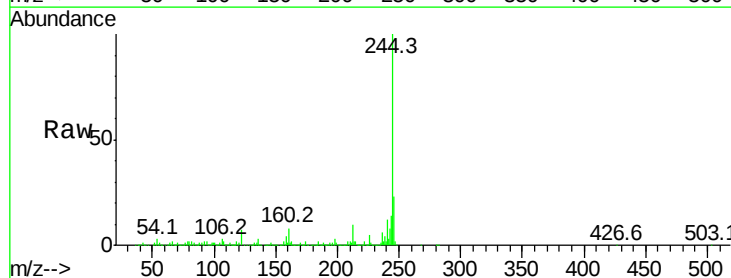
Instrument :
BNA_G
ClientSampleId :
061418-DBRC-F-U-B

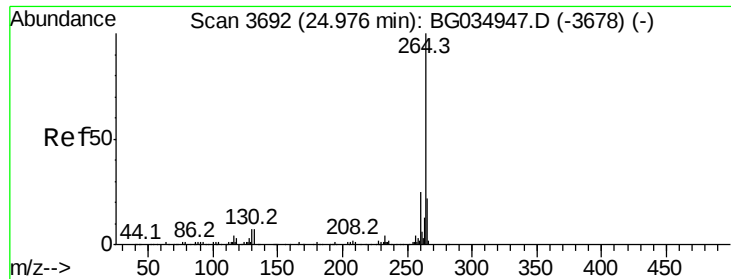
Tot Ion:184 Resp: 36565
Ion Ratio Lower Upper
184 100
185 14.9 11.1 16.7
183 9.6 10.6 16.0#



#78
Terphenyl-d14
Concen: 93.091 ng
RT: 20.03 min Scan# 2850
Delta R.T. -0.01 min
Lab File: BG035254.D
Acq: 19 Jun 2018 19:00

Tgt Ion:244 Resp: 2057468
Ion Ratio Lower Upper
244 100
212 9.6 5.8 8.8#
122 7.5 7.0 10.4





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.92 min Scan# 3682
 Delta R.T. -0.03 min
 Lab File: BG035254.D
 Acq: 19 Jun 2018 19:00

Instrument :
 BNA_G
 ClientSampleId :
 061418-DBRC-F-U-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.4	26.0
265	19.3	17.7	26.5

