

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040318\
 Data File : BG033532.D
 Acq On : 3 Apr 2018 19:06
 Operator : SJ/JU
 Sample : PB107894BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 04 02:31:18 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 03 14:50:26 2018
 Response via : Initial Calibration

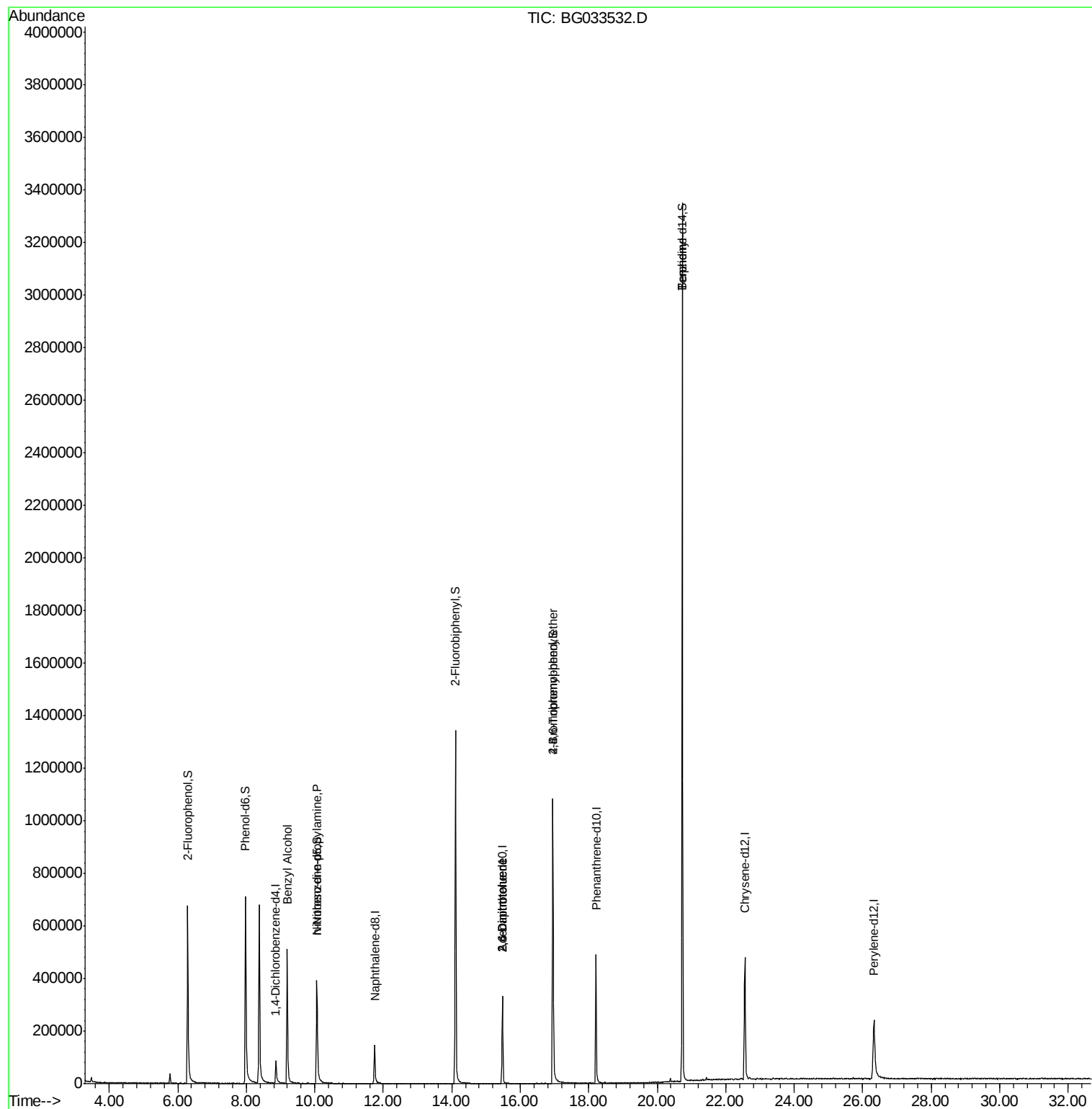
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	33869	20.00	ng	0.00
21) Naphthalene-d8	11.75	136	146664	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	121290	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	339428	20.00	ng	0.00
75) Chrysene-d12	22.55	240	367166	20.00	ng	0.00
86) Perylene-d12	26.32	264	358599	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	334551	185.22	ng	0.00
7) Phenol-d6	7.98	99	506914	163.34	ng	0.00
23) Nitrobenzene-d5	10.06	82	307583	96.35	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	231311	127.51	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	796940	94.85	ng	0.00
78) Terphenyl-d14	20.73	244	1580598	92.06	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	4891	2.002	ng	# 41
19) n-Nitroso-di-n-propylamine	10.06	70	43126	18.964	ng	# 75
50) 2,6-Dinitrotoluene	15.48	165	15042	6.969	ng	# 22
56) 2,4-Dinitrotoluene	15.48	165	15042	4.733	ng	# 20
66) 4-Bromophenyl-phenylether	16.95	248	17295	4.339	ng	# 1
76) Benzidine	20.73	184	27507	2.763	ng	# 88

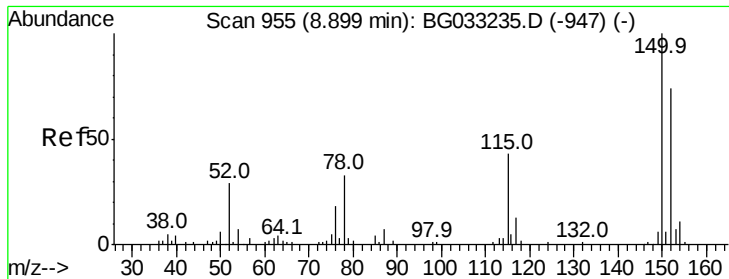
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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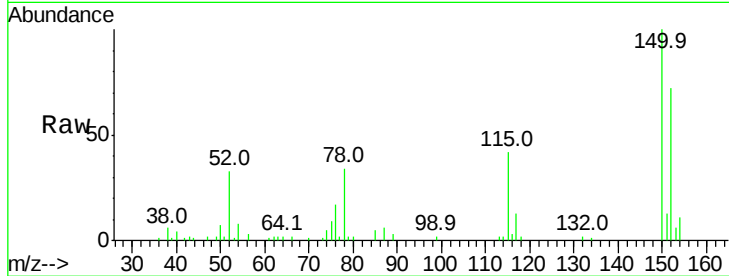


#1

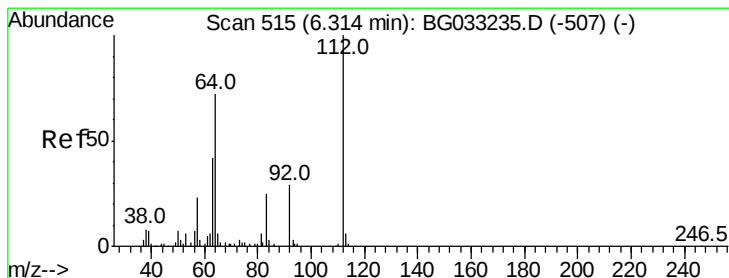
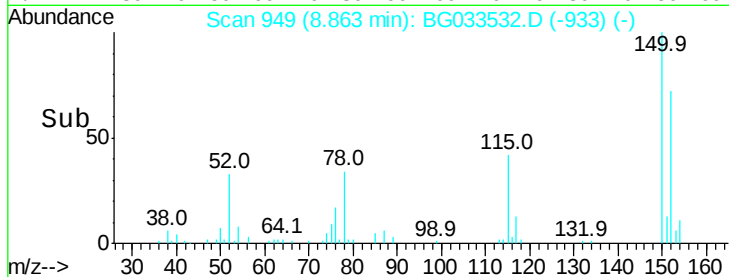
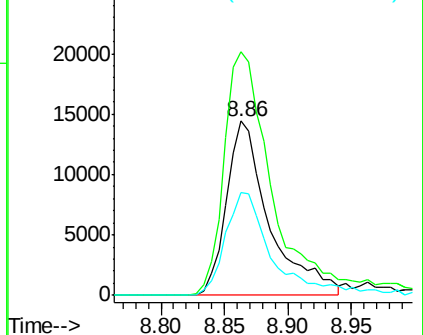
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.01 min
Lab File: BG033532.D
Acq: 3 Apr 2018 19:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33869
Ion Ratio Lower Upper
152 100
150 139.8 126.6 189.8
115 59.2 53.0 79.4



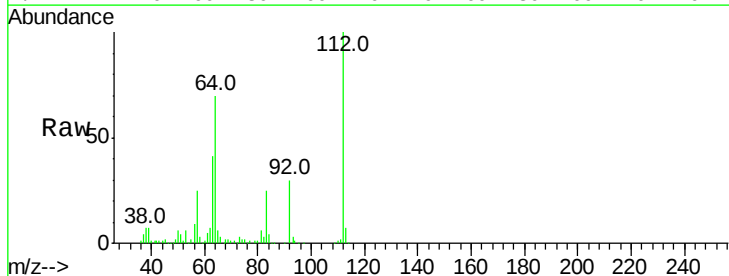
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



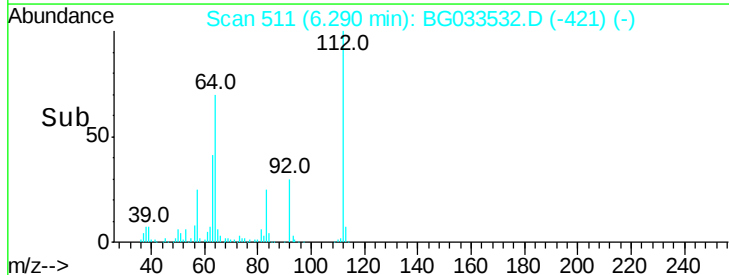
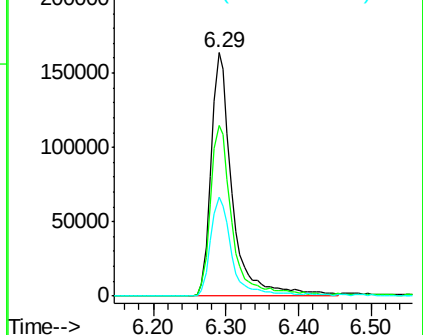
#5

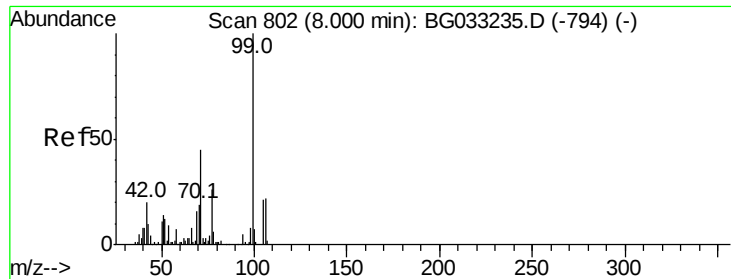
2-Fluorophenol
Concen: 185.221 ng
RT: 6.29 min Scan# 511
Delta R.T. -0.00 min
Lab File: BG033532.D
Acq: 3 Apr 2018 19:06

Tgt Ion:112 Resp: 334551
Ion Ratio Lower Upper
112 100
64 70.1 56.3 84.5
63 40.7 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 163.338 ng

RT: 7.98 min Scan# 798

Delta R.T. -0.01 min

Lab File: BG033532.D

Acq: 3 Apr 2018 19:06

Instrument :

BNA_G

ClientSampleId :

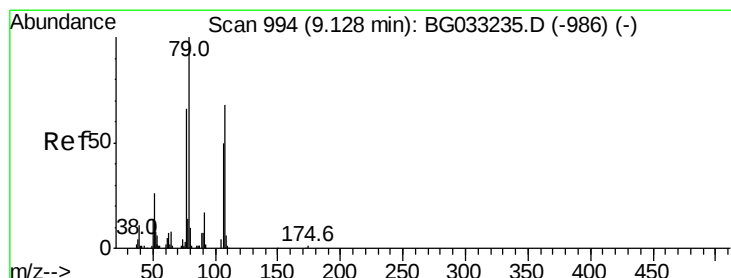
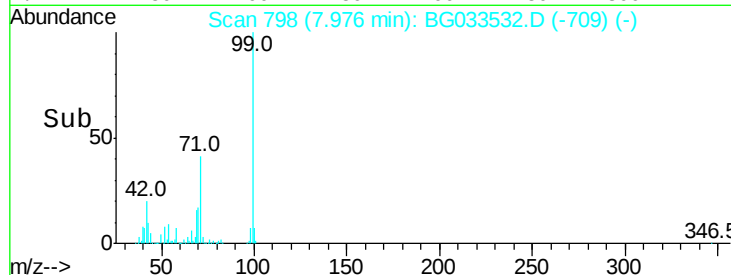
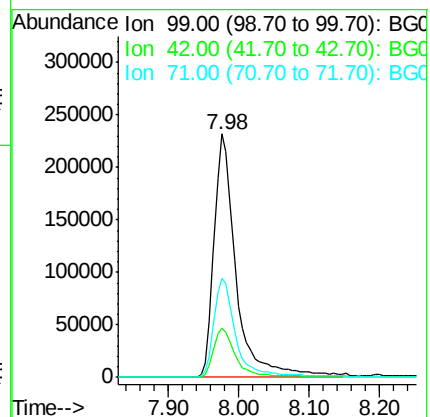
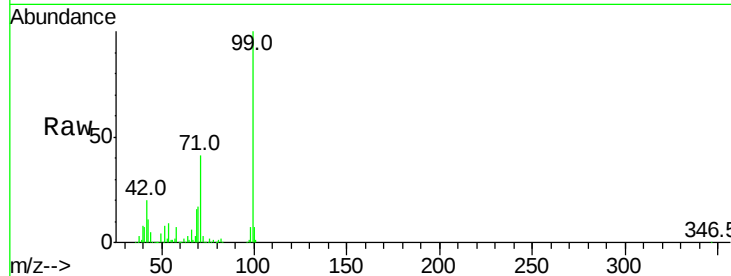
Tot Ion: 99 Resp: 506914

Ion Ratio Lower Upper

99 100

42 20.2 14.1 21.1

71 40.7 26.1 39.1#



#15

Benzyl Alcohol

Concen: 2.002 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.09 min

Lab File: BG033532.D

Acq: 3 Apr 2018 19:06

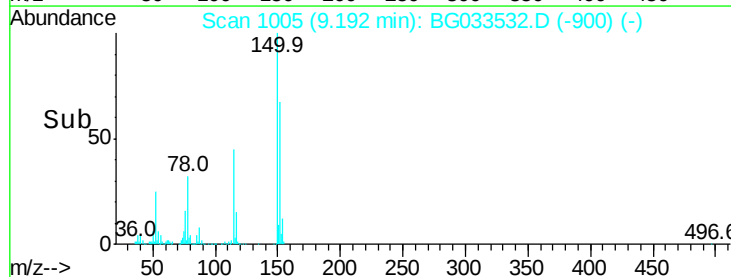
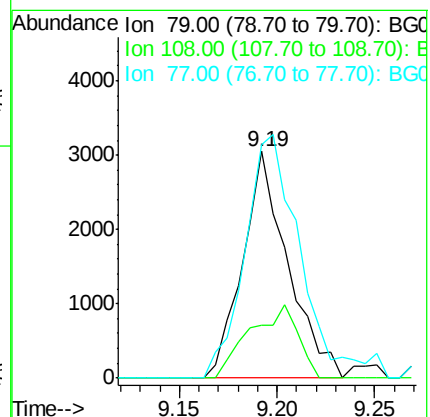
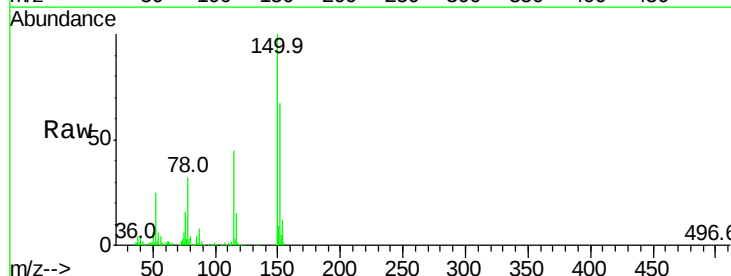
Tgt Ion: 79 Resp: 4891

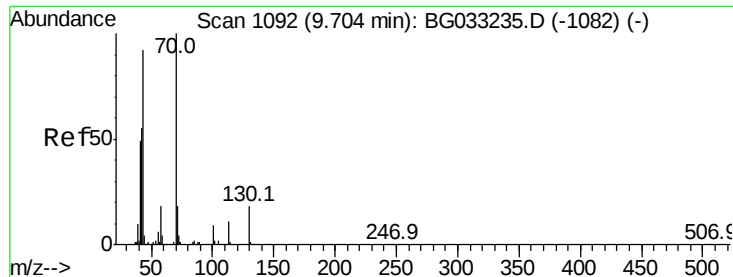
Ion Ratio Lower Upper

79 100

108 23.4 57.2 85.8#

77 102.8 46.1 69.1#

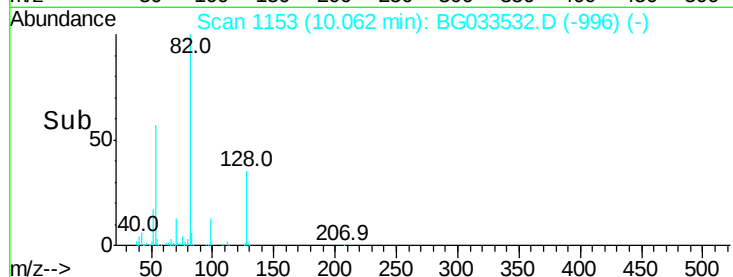
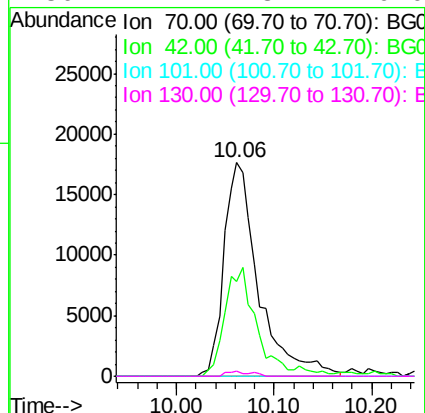
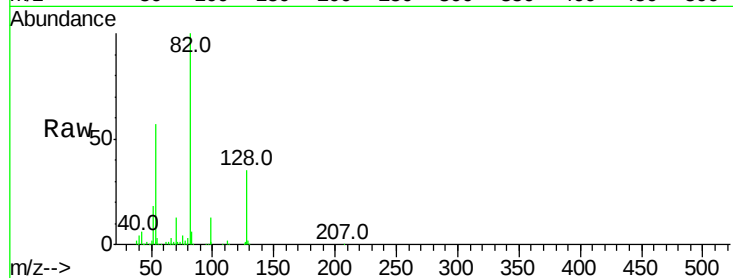




#19
n-Nitroso-di-n-propylamine
Concen: 18.964 ng
RT: 10.06 min Scan# 1153
Delta R.T. 0.39 min
Lab File: BG033532.D
Acq: 3 Apr 2018 19:06

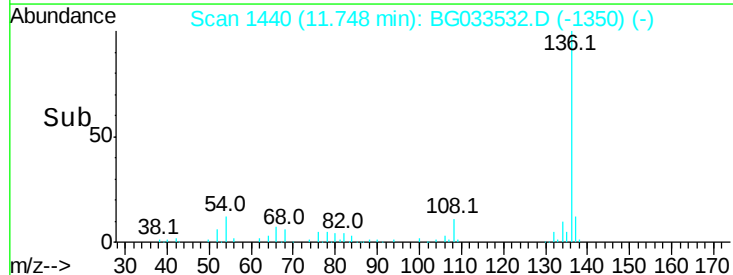
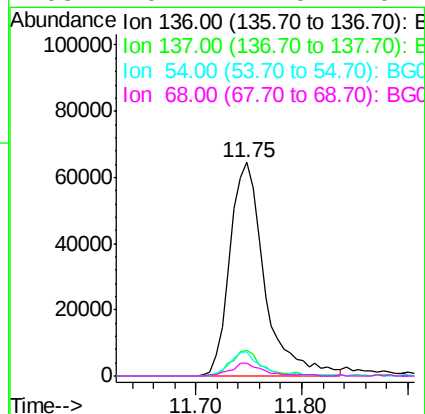
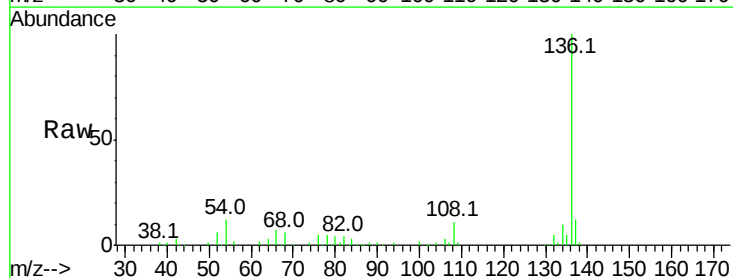
Instrument :
BNA_G
ClientSampleId :

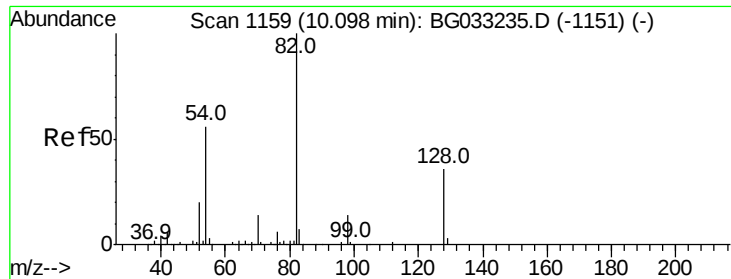
Tot Ion: 70 Resp: 43126
Ion Ratio Lower Upper
70 100
42 44.3 49.1 73.7#
101 0.0 8.5 12.7#
130 2.4 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.00 min
Lab File: BG033532.D
Acq: 3 Apr 2018 19:06

Tgt Ion: 136 Resp: 146664
Ion Ratio Lower Upper
136 100
137 12.2 9.2 13.8
54 11.6 10.3 15.5
68 6.2 4.5 6.7

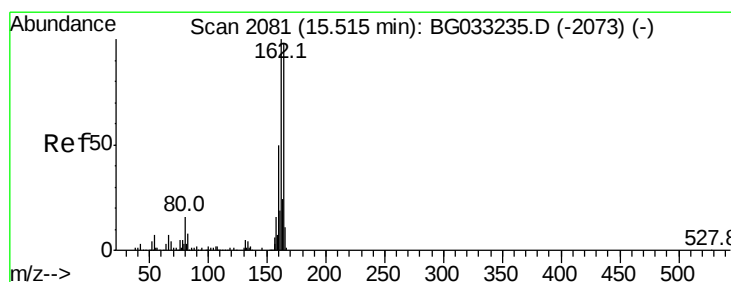
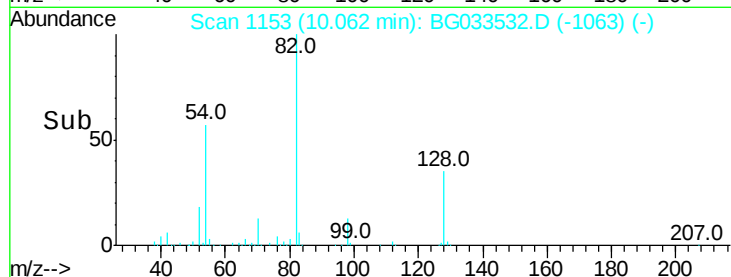
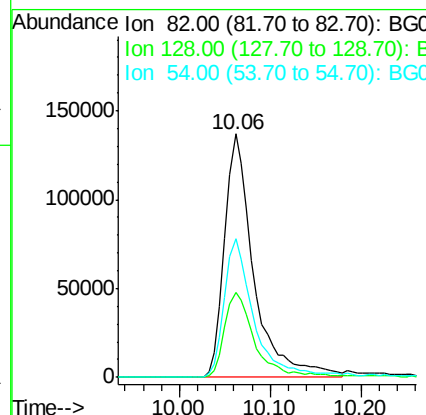
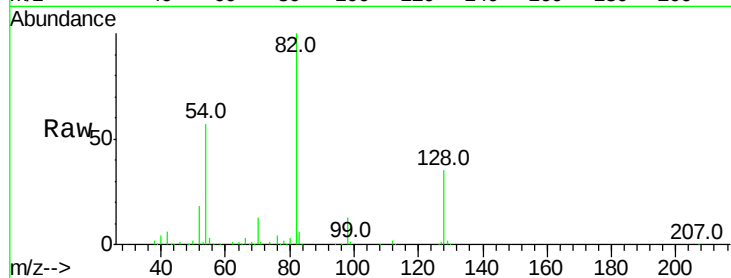




#23
 Nitrobenzene-d5
 Concen: 96.354 ng
 RT: 10.06 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BG033532.D
 Acq: 3 Apr 2018 19:06

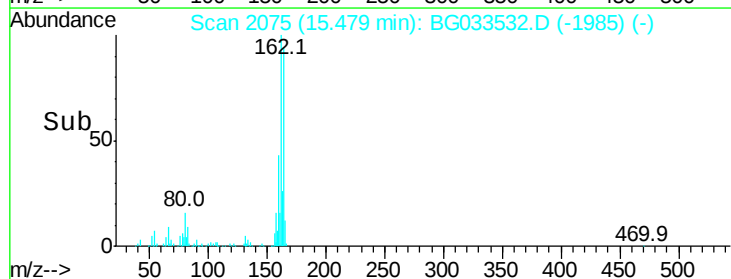
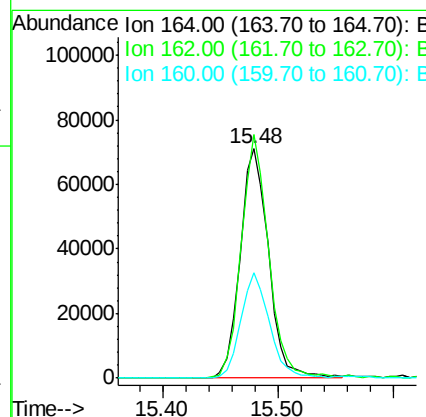
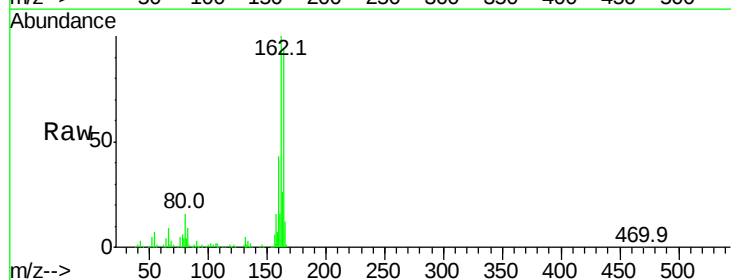
Instrument :
 BNA_G
 ClientSampleId :

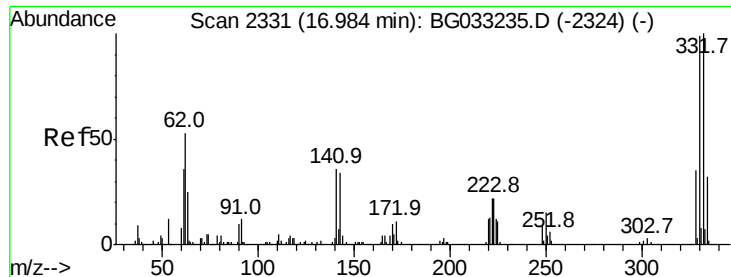
Tot Ion: 82 Resp: 307583
 Ion Ratio Lower Upper
 82 100
 128 35.0 29.7 44.5
 54 56.9 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.00 min
 Lab File: BG033532.D
 Acq: 3 Apr 2018 19:06

Tgt Ion: 164 Resp: 121290
 Ion Ratio Lower Upper
 164 100
 162 106.3 78.8 118.2
 160 46.1 35.4 53.0

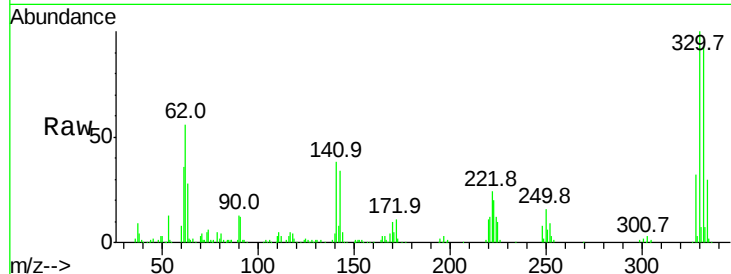




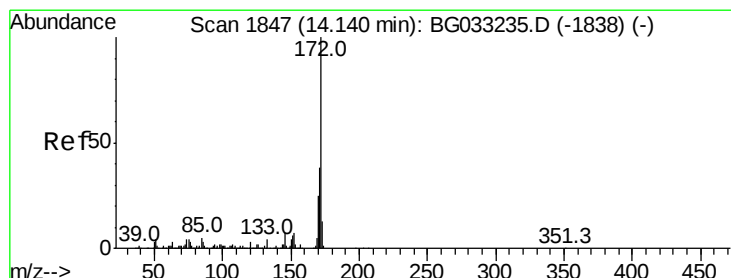
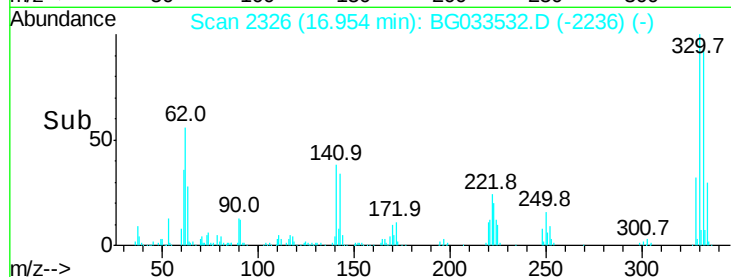
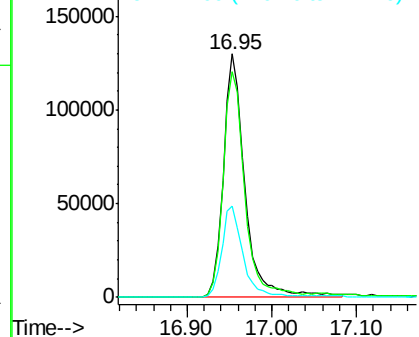
#41
 2,4,6-Tribromophenol
 Concen: 127.512 ng
 RT: 16.95 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: BG033532.D
 Acq: 3 Apr 2018 19:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.2	77.0	115.6
141	37.6	25.2	37.8

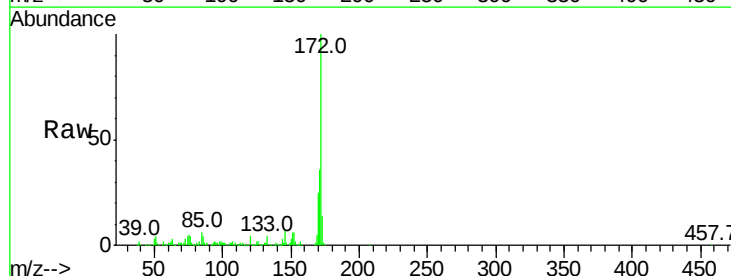


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

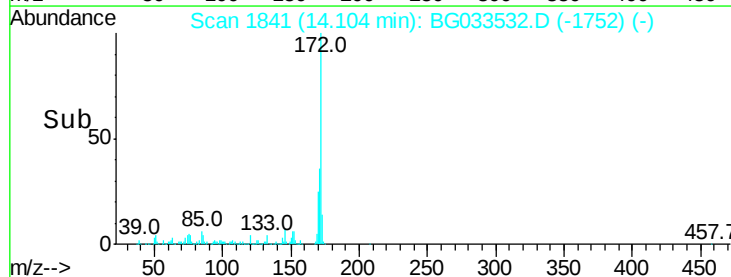
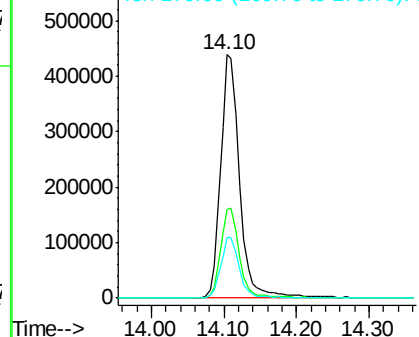


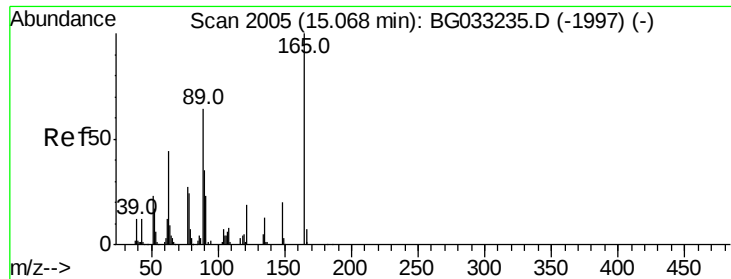
#44
 2-Fluorobiphenyl
 Concen: 94.855 ng
 RT: 14.10 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BG033532.D
 Acq: 3 Apr 2018 19:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.0	45.0
170	24.8	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

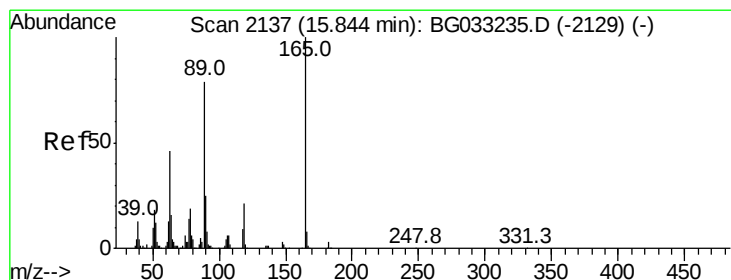
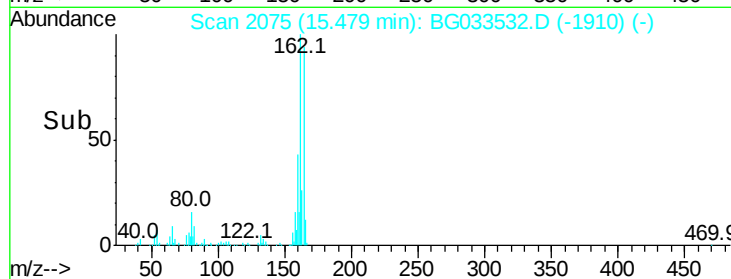
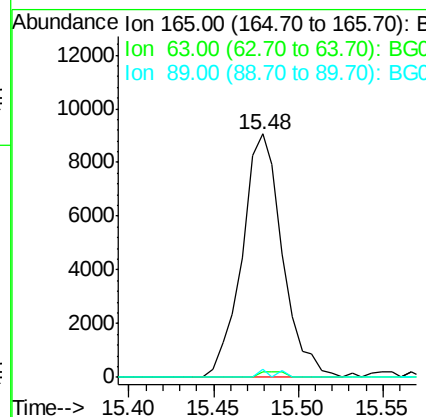
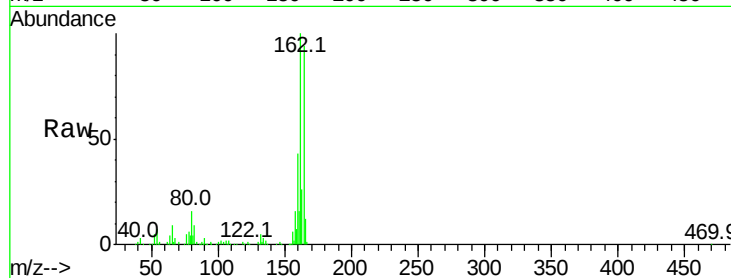




#50
2,6-Dinitrotoluene
Concen: 6.969 ng
RT: 15.48 min Scan# 2075
Delta R.T. 0.44 min
Lab File: BG033532.D
Acq: 3 Apr 2018 19:06

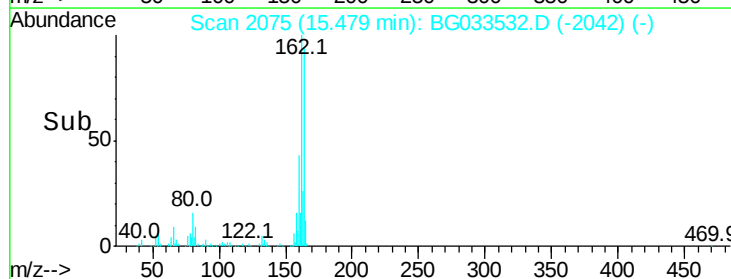
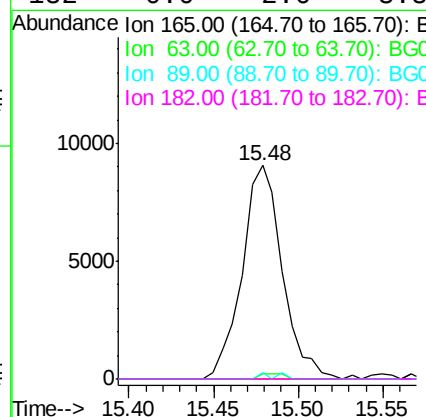
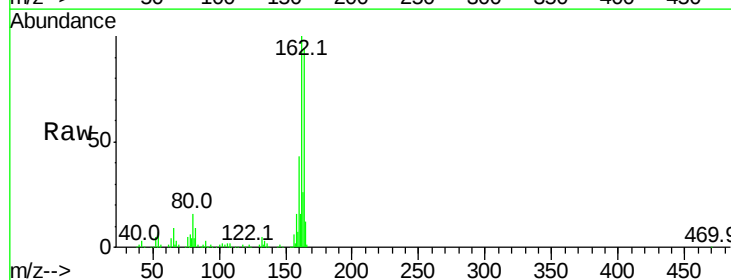
Instrument :
BNA_G
ClientSampleId :

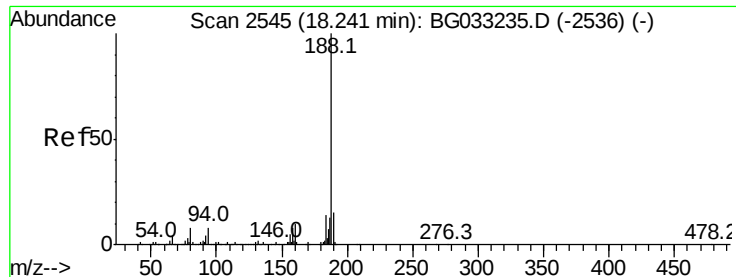
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.4	52.7	79.1#
89	3.3	49.2	73.8#



#56
2,4-Dinitrotoluene
Concen: 4.733 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.34 min
Lab File: BG033532.D
Acq: 3 Apr 2018 19:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	42.0	63.0#
89	3.3	66.9	100.3#
182	0.0	2.6	3.8#

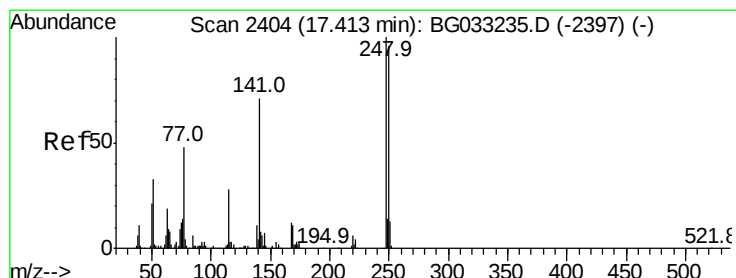
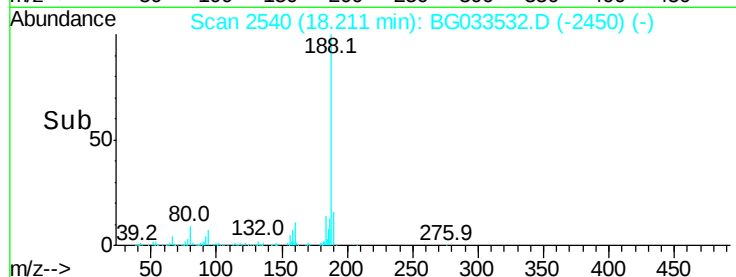
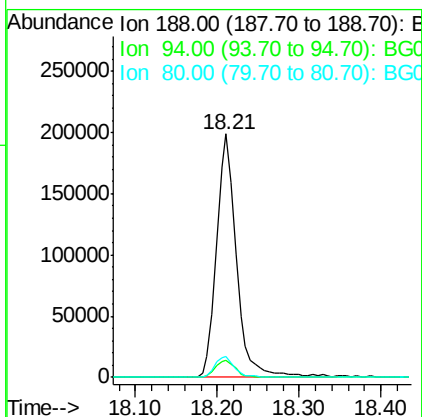
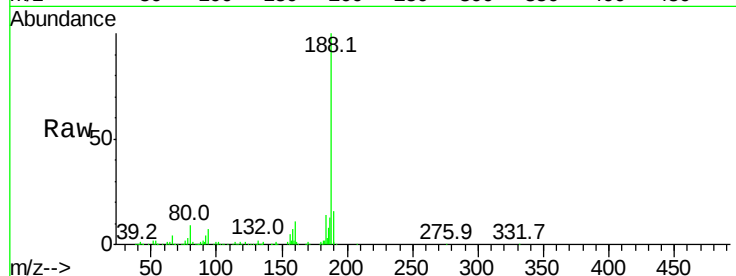




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2540
Delta R.T. -0.00 min
Lab File: BG033532.D
Acq: 3 Apr 2018 19:06

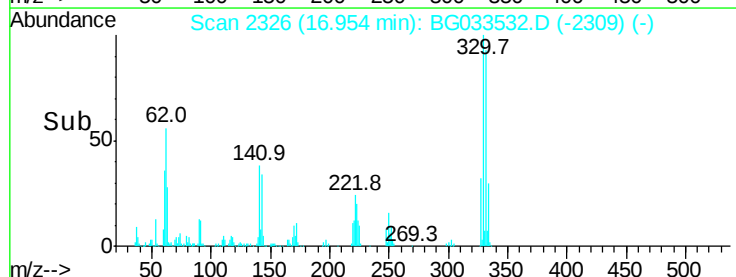
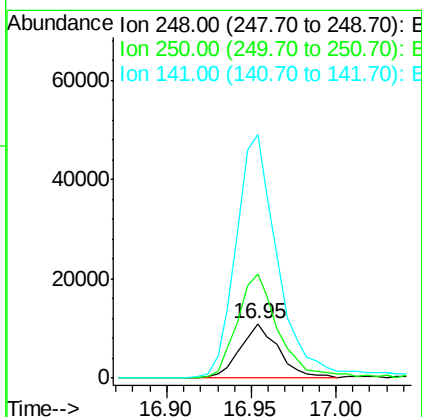
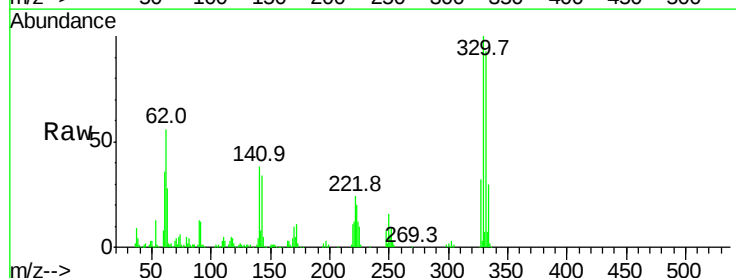
Instrument :
BNA_G
ClientSampleId :

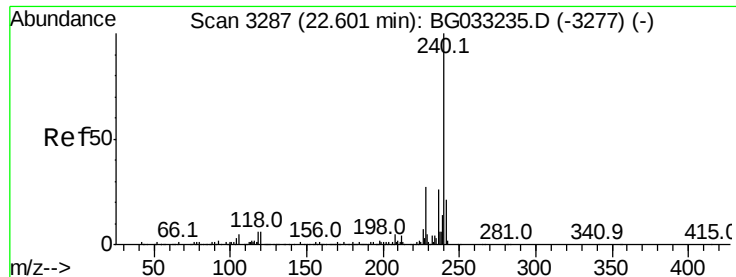
Tot Ion:188 Resp: 339428
Ion Ratio Lower Upper
188 100
94 7.0 6.9 10.3
80 8.7 7.7 11.5



#66
4-Bromophenyl-phenylether
Concen: 4.339 ng
RT: 16.95 min Scan# 2326
Delta R.T. -0.43 min
Lab File: BG033532.D
Acq: 3 Apr 2018 19:06

Tgt Ion:248 Resp: 17295
Ion Ratio Lower Upper
248 100
250 153.4 77.1 115.7#
141 360.6 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3279

Delta R.T. -0.00 min

Lab File: BG033532.D

Acq: 3 Apr 2018 19:06

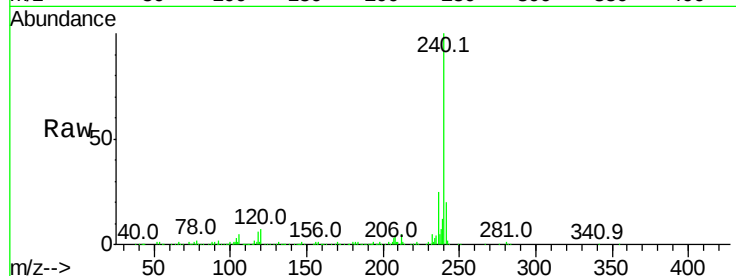
Instrument :

BNA_G

ClientSampleId :

Tot Ion:240 Resp: 367166

Ion	Ratio	Lower	Upper
240	100		
120	7.4	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

22.55

150000

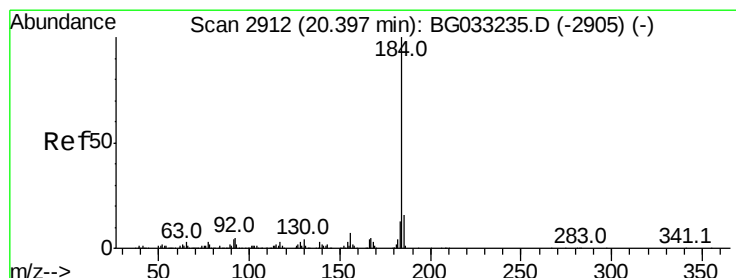
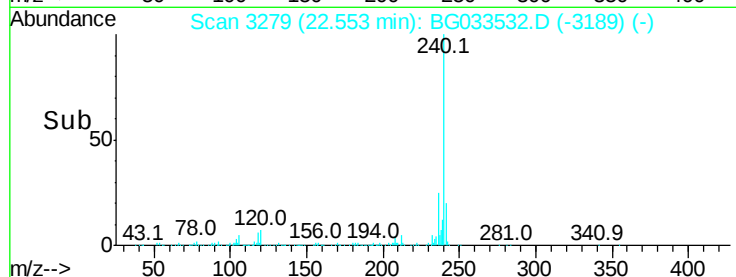
100000

50000

0

Time-->

22.50 22.60 22.70



#76

Benzidine

Concen: 2.763 ng

RT: 20.73 min Scan# 2969

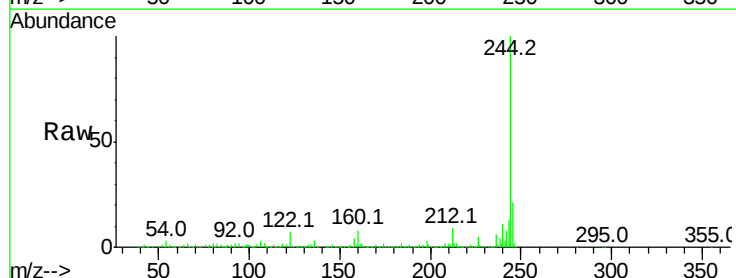
Delta R.T. 0.36 min

Lab File: BG033532.D

Acq: 3 Apr 2018 19:06

Tgt Ion:184 Resp: 27507

Ion	Ratio	Lower	Upper
184	100		
185	18.0	11.1	16.7#
183	8.0	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

20.73

25000

20000

15000

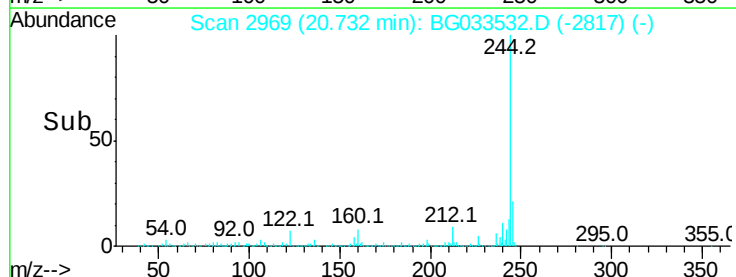
10000

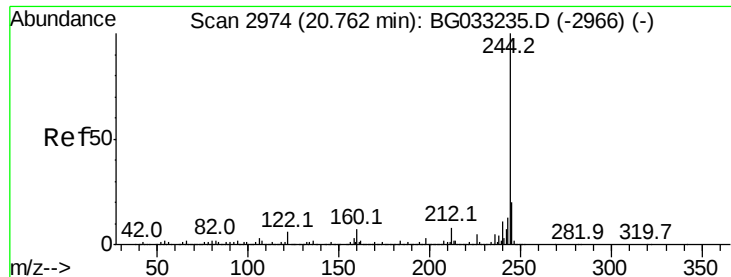
5000

0

Time-->

20.65 20.70 20.75 20.80

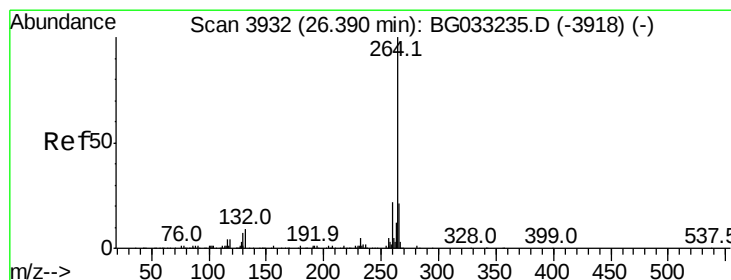
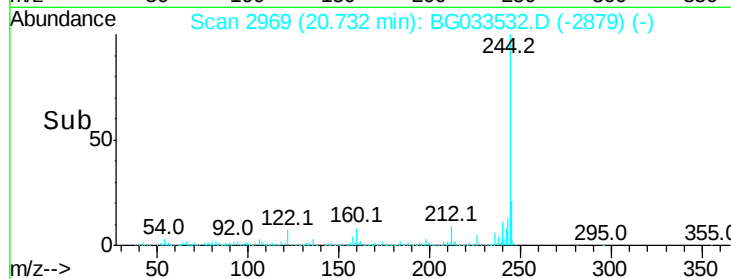
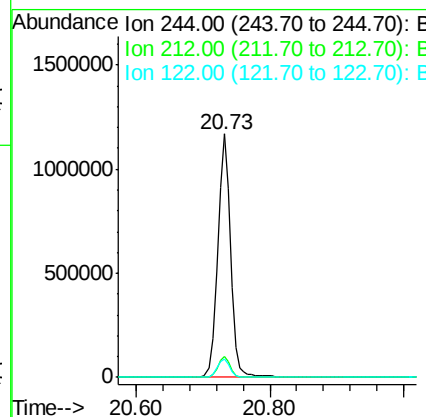
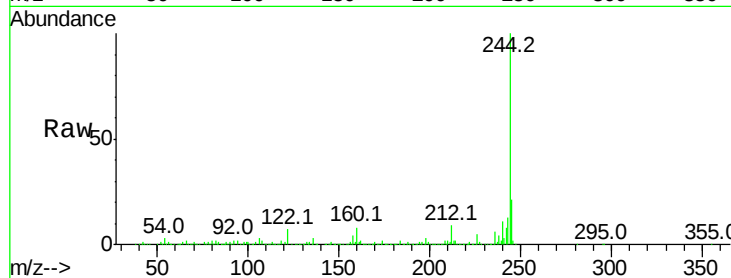




#78
 Terphenyl-d14
 Concen: 92.064 ng
 RT: 20.73 min Scan# 2969
 Delta R.T. -0.00 min
 Lab File: BG033532.D
 Acq: 3 Apr 2018 19:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1580598
 Ion Ratio Lower Upper
 244 100
 212 8.6 5.8 8.8
 122 7.5 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.32 min Scan# 3921
 Delta R.T. 0.01 min
 Lab File: BG033532.D
 Acq: 3 Apr 2018 19:06

Tgt Ion:264 Resp: 358599
 Ion Ratio Lower Upper
 264 100
 260 22.4 17.4 26.0
 265 22.8 17.7 26.5

