

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041718\
 Data File : BG033852.D
 Acq On : 17 Apr 2018 19:44
 Operator : SJ/JU
 Sample : J2370-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 18 04:03:36 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 18:35:38 2018
 Response via : Initial Calibration

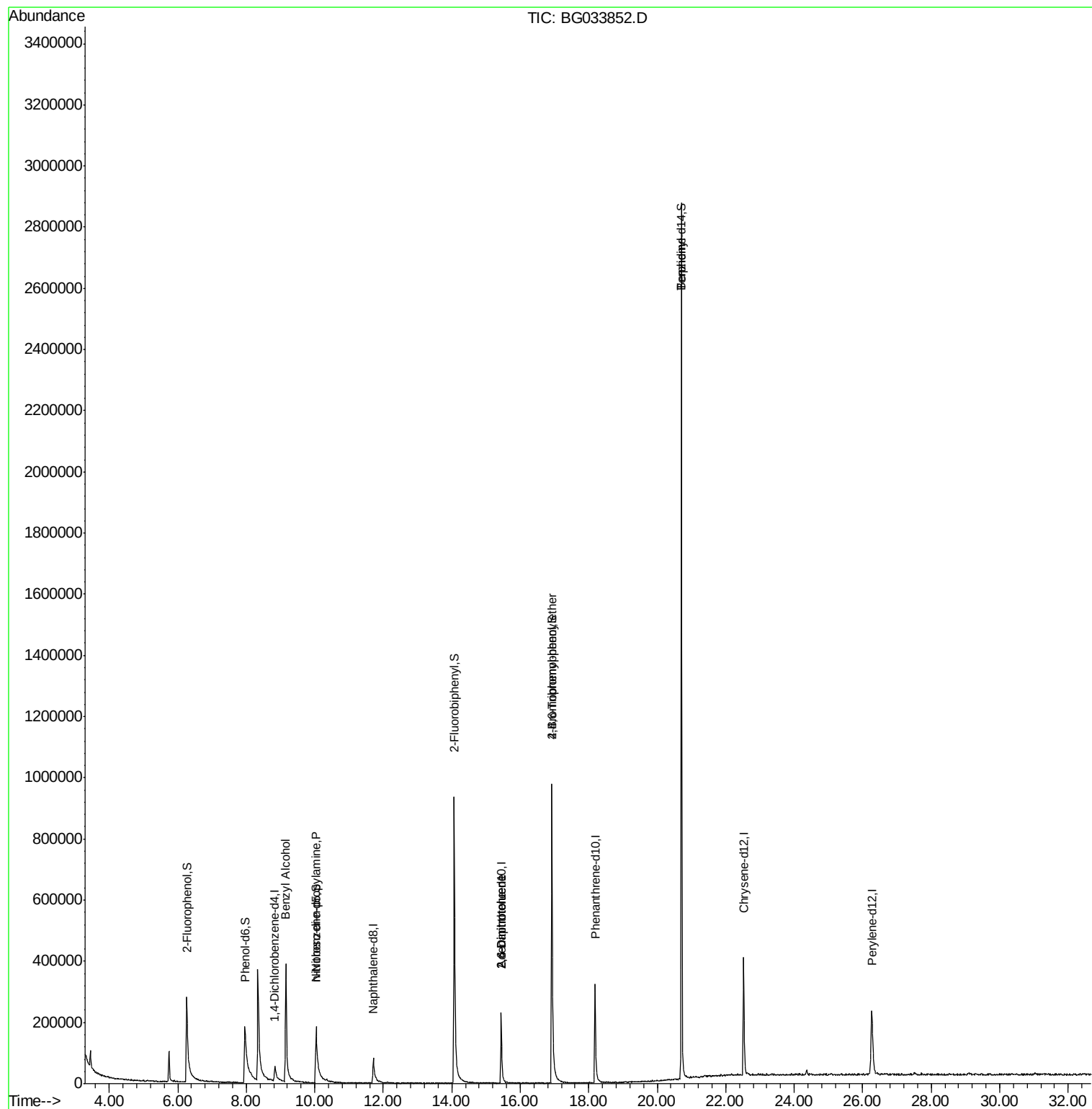
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.84	152	26469	20.00	ng	0.00
21) Naphthalene-d8	11.71	136	130455	20.00	ng	0.00
38) Acenaphthene-d10	15.44	164	108455	20.00	ng	0.00
63) Phenanthrene-d10	18.18	188	323889	20.00	ng	0.00
75) Chrysene-d12	22.52	240	325819	20.00	ng	-0.01
86) Perylene-d12	26.27	264	350880	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	6.27	112	236029	167.21	ng	0.00
7) Phenol-d6	7.95	99	287933	118.72	ng	0.00
23) Nitrobenzene-d5	10.03	82	287467	101.24	ng	0.00
41) 2,4,6-Tribromophenol	16.92	330	269331	166.04	ng	0.00
44) 2-Fluorobiphenyl	14.07	172	772636	102.84	ng	0.00
78) Terphenyl-d14	20.70	244	1570830	103.11	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.15	79	5857	3.067	ng	# 50
19) n-Nitroso-di-n-propylamine	10.03	70	30933	17.405	ng	# 69
50) 2,6-Dinitrotoluene	15.45	165	13637	7.066	ng	# 24
56) 2,4-Dinitrotoluene	15.45	165	13637	4.799	ng	# 22
66) 4-Bromophenyl-phenylether	16.92	248	19966	5.249	ng	# 1
76) Benzidine	20.70	184	26624	3.013	ng	# 91

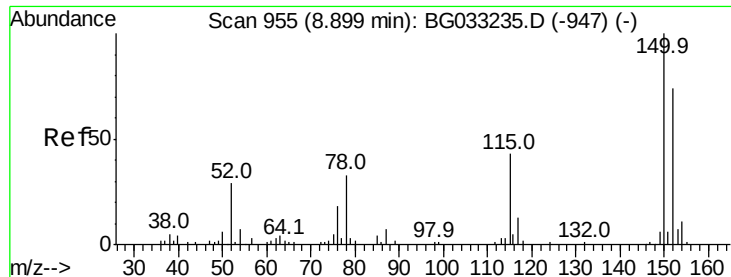
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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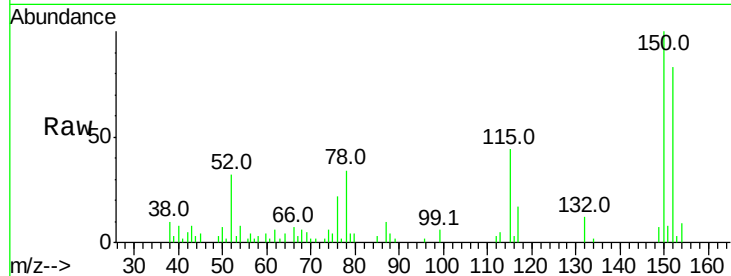


#1

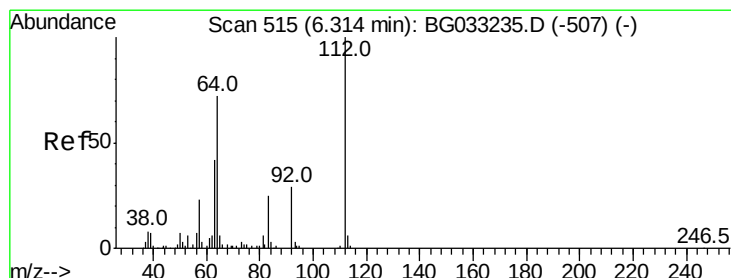
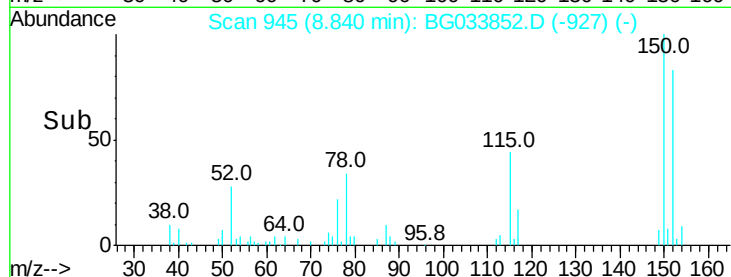
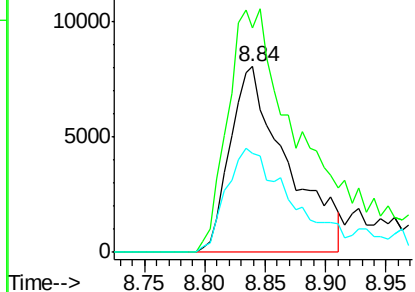
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.84 min Scan# 945
Delta R.T. 0.01 min
Lab File: BG033852.D
Acq: 17 Apr 2018 19:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 26469
Ion Ratio Lower Upper
152 100
150 117.5 126.6 189.8#
115 52.0 53.0 79.4#



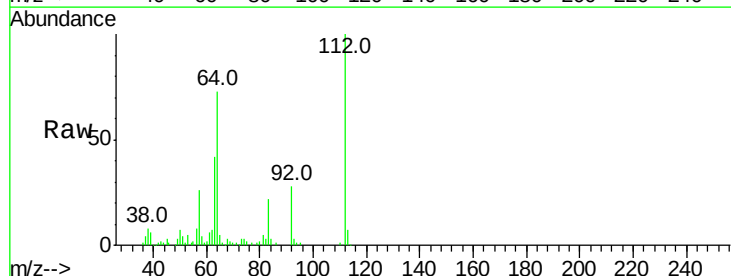
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



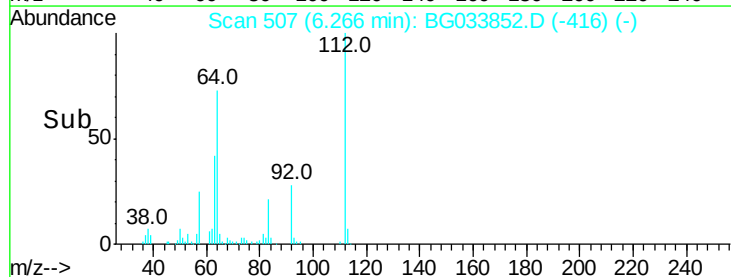
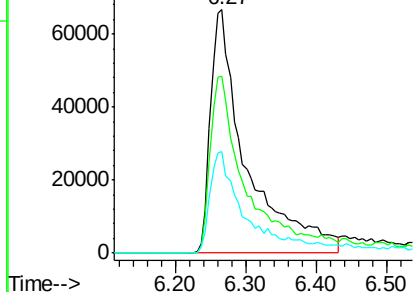
#5

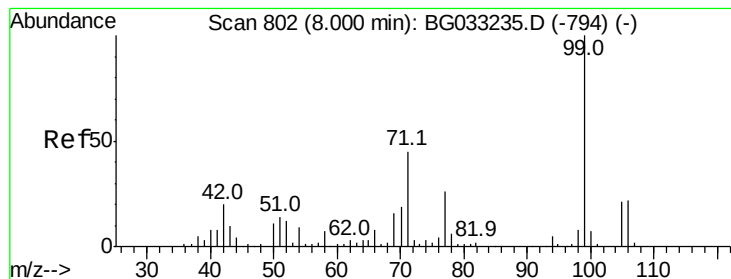
2-Fluorophenol
Concen: 167.208 ng
RT: 6.27 min Scan# 507
Delta R.T. 0.00 min
Lab File: BG033852.D
Acq: 17 Apr 2018 19:44

Tgt Ion:112 Resp: 236029
Ion Ratio Lower Upper
112 100
64 72.6 56.3 84.5
63 41.9 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: 118.716 ng

RT: 7.95 min Scan# 794

Delta R.T. -0.01 min

Lab File: BG033852.D

Acq: 17 Apr 2018 19:44

Instrument :

BNA_G

ClientSampleId :

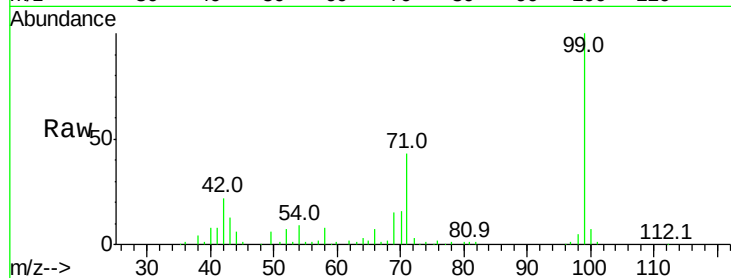
Tot Ion: 99 Resp: 287933

Ion Ratio Lower Upper

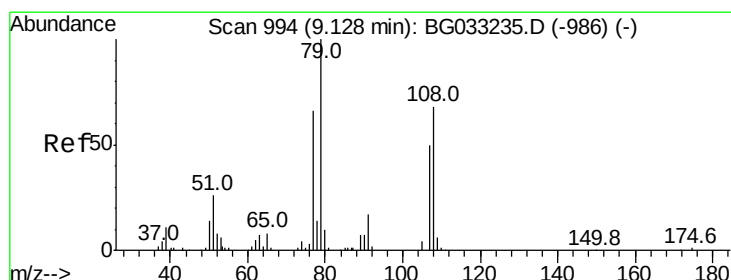
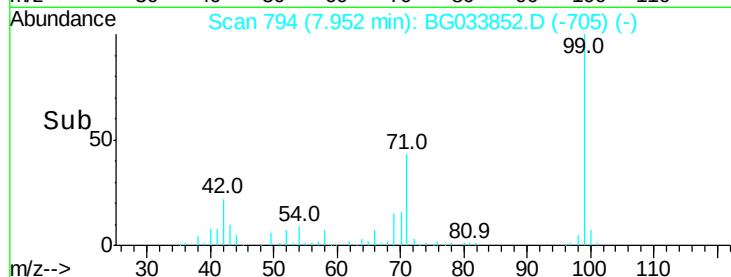
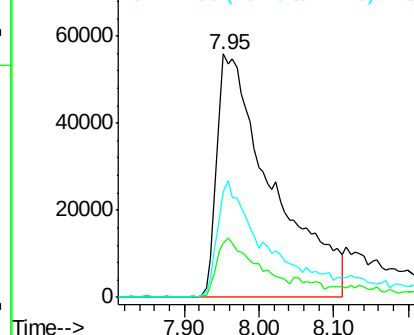
99 100

42 22.1 14.1 21.1#

71 43.2 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: 3.067 ng

RT: 9.15 min Scan# 998

Delta R.T. 0.07 min

Lab File: BG033852.D

Acq: 17 Apr 2018 19:44

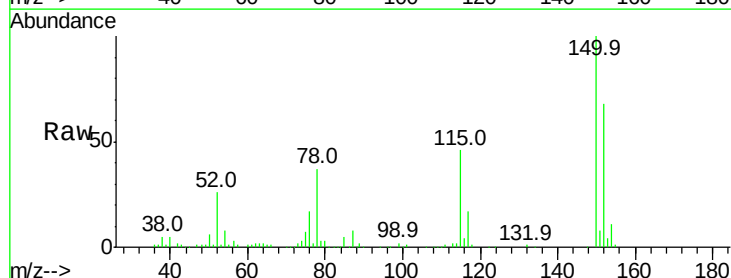
Tgt Ion: 79 Resp: 5857

Ion Ratio Lower Upper

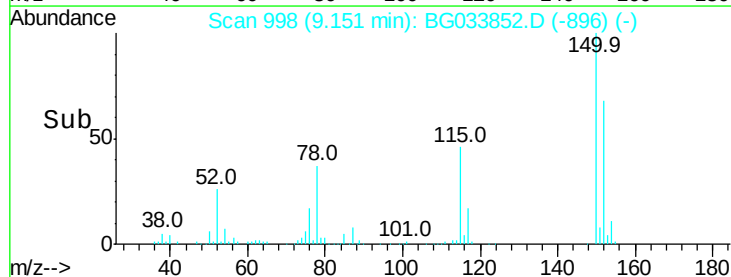
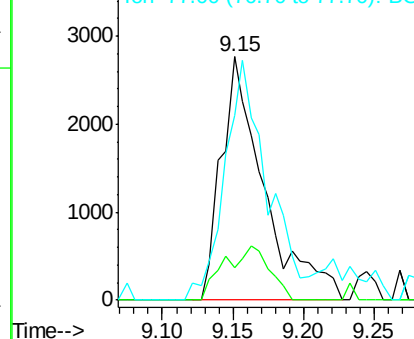
79 100

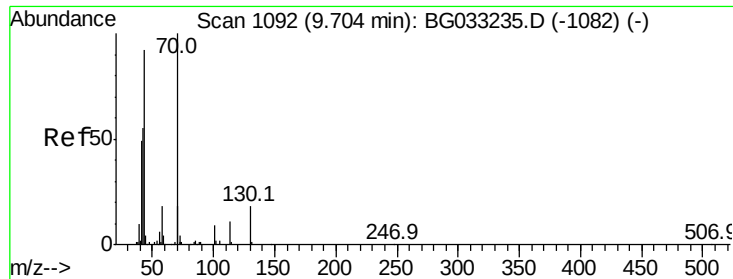
108 13.5 57.2 85.8#

77 75.6 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

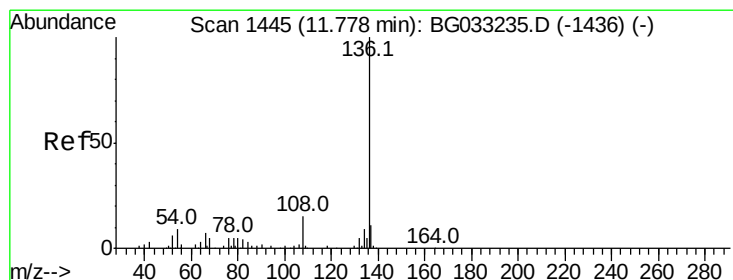
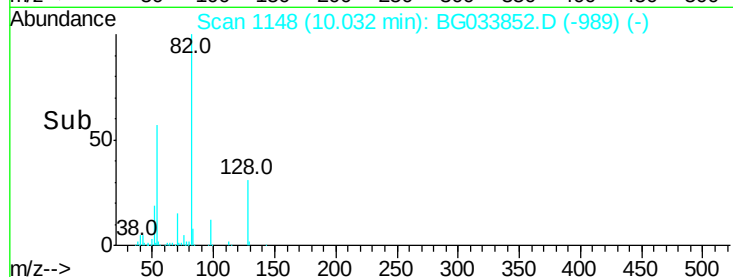
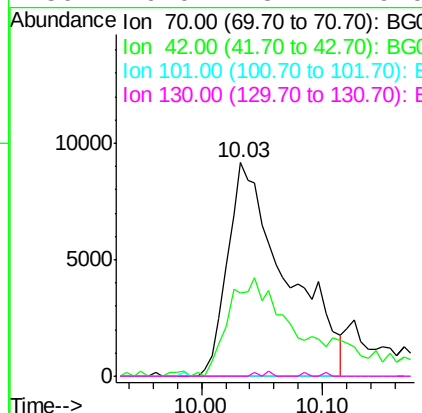
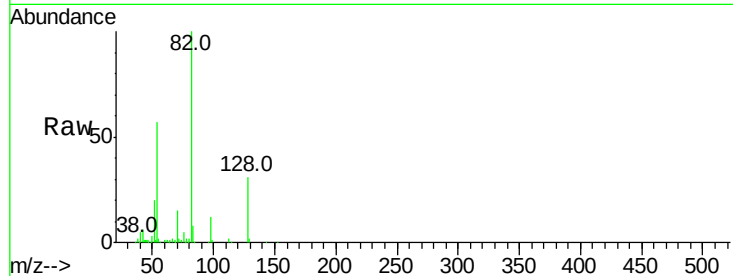




#19
n-Nitroso-di-n-propylamine
Concen: 17.405 ng
RT: 10.03 min Scan# 1148
Delta R.T. 0.40 min
Lab File: BG033852.D
Acq: 17 Apr 2018 19:44

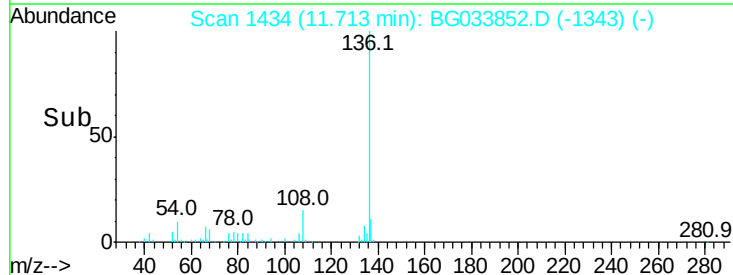
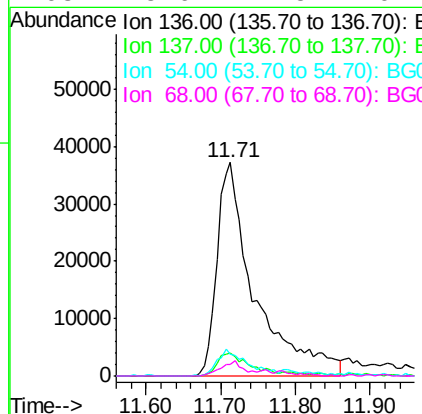
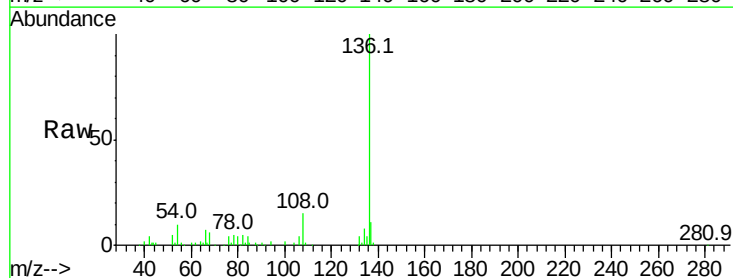
Instrument :
BNA_G
ClientSampleId :

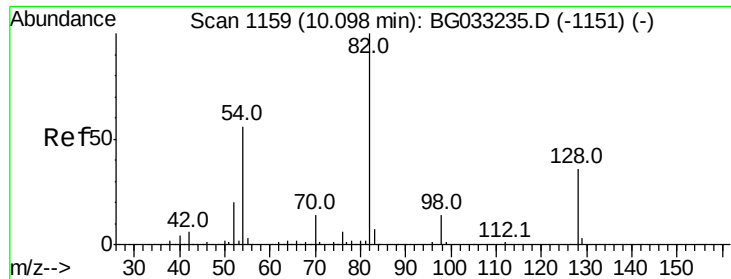
Tot Ion:	70	Resp:	30933
Ion	Ratio	Lower	Upper
70	100		
42	38.8	49.1	73.7#
101	0.0	8.5	12.7#
130	0.0	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.71 min Scan# 1434
Delta R.T. 0.00 min
Lab File: BG033852.D
Acq: 17 Apr 2018 19:44

Tgt Ion:	136	Resp:	130455
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	10.0	10.3	15.5#
68	5.6	4.5	6.7

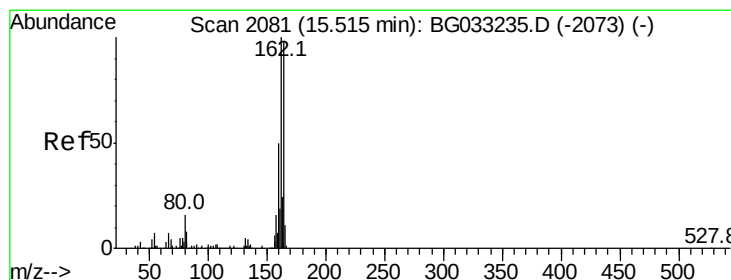
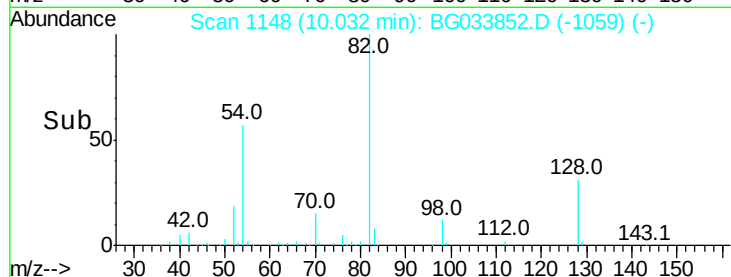
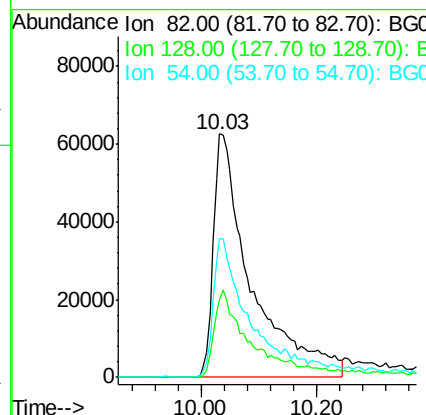
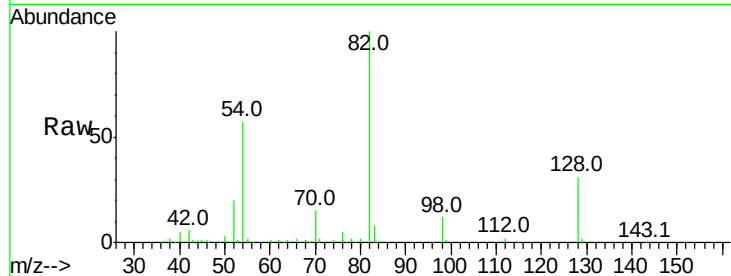




#23
 Nitrobenzene-d5
 Concen: 101.241 ng
 RT: 10.03 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BG033852.D
 Acq: 17 Apr 2018 19:44

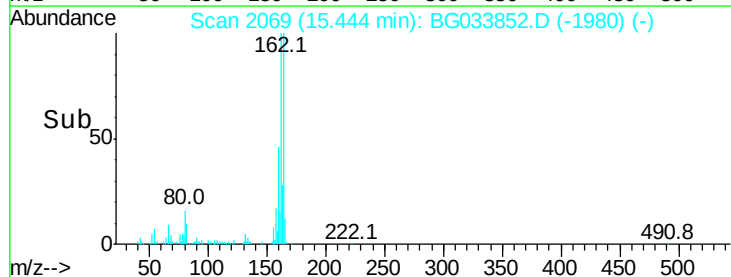
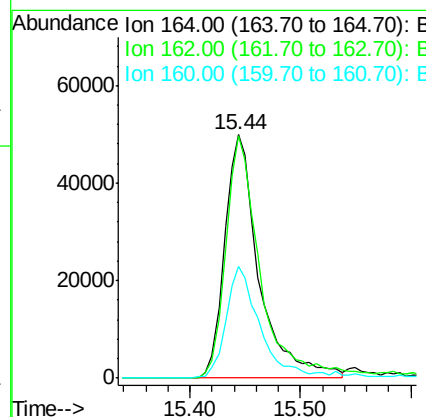
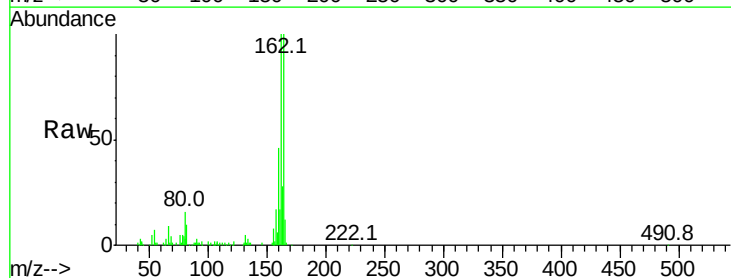
Instrument :
 BNA_G
 ClientSampleId :

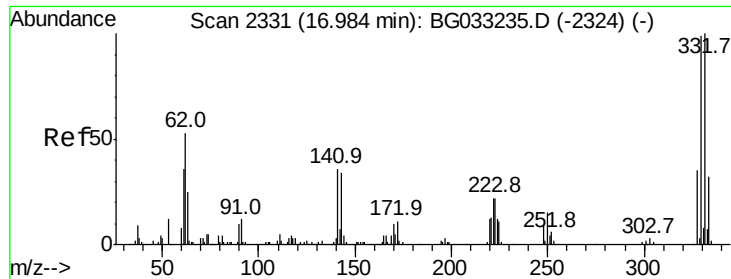
Tot Ion	82	Resp	287467
Ion Ratio	Lower	Upper	
82	100		
128	31.5	29.7	44.5
54	56.9	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: BG033852.D
 Acq: 17 Apr 2018 19:44

Tgt Ion	164	Resp	108455
Ion Ratio	Lower	Upper	
164	100		
162	99.7	78.8	118.2
160	46.1	35.4	53.0





#41

2,4,6-Tribromophenol

Concen: 166.041 ng

RT: 16.92 min Scan# 2321

Delta R.T. -0.01 min

Lab File: BG033852.D

Acq: 17 Apr 2018 19:44

Instrument :

BNA_G

ClientSampleId :

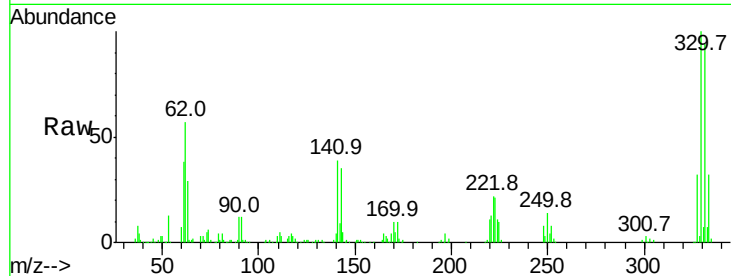
Tot Ion:330 Resp: 269331

Ion Ratio Lower Upper

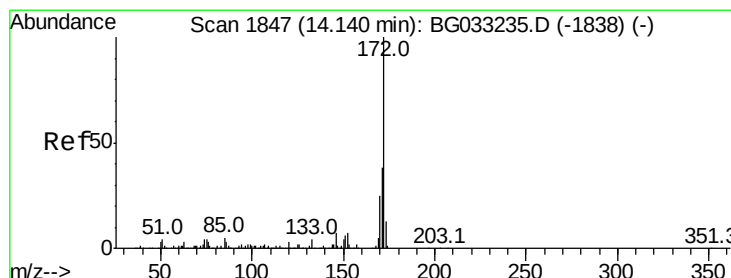
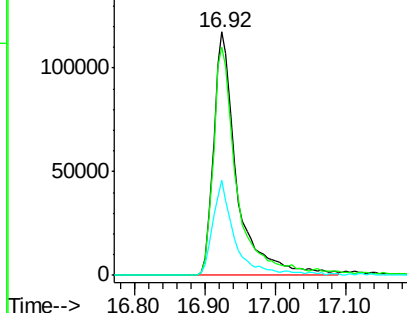
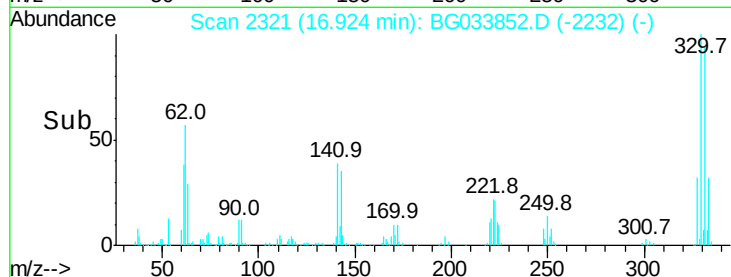
330 100

332 92.7 77.0 115.6

141 34.9 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: 102.845 ng

RT: 14.07 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BG033852.D

Acq: 17 Apr 2018 19:44

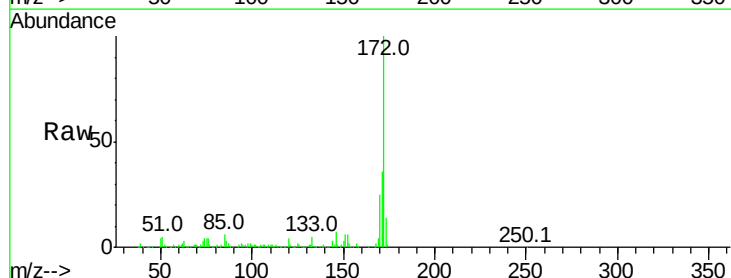
Tgt Ion:172 Resp: 772636

Ion Ratio Lower Upper

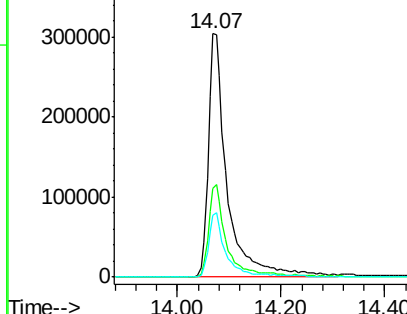
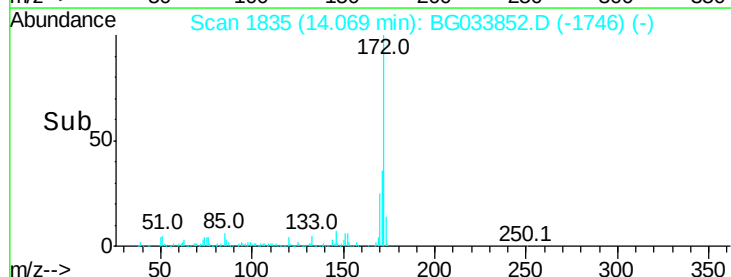
172 100

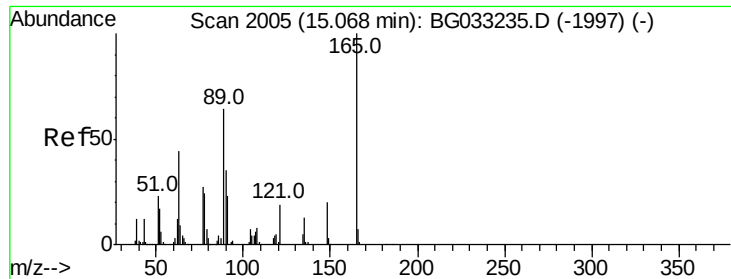
171 36.4 30.0 45.0

170 25.2 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

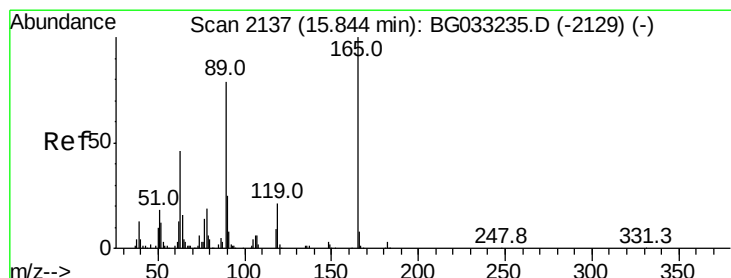
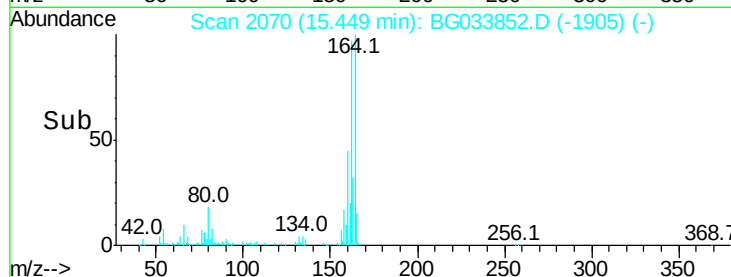
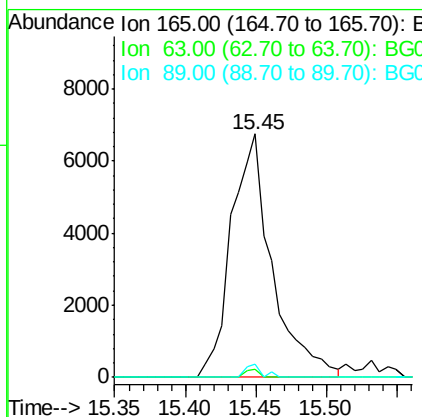
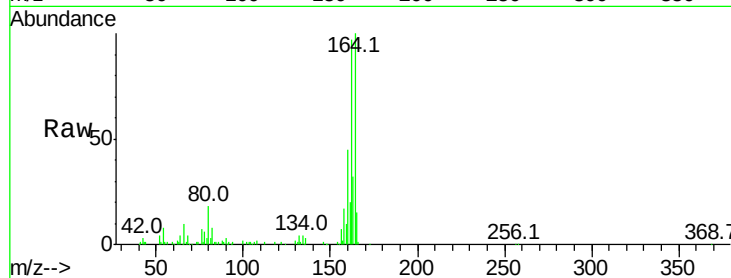




#50
 2,6-Dinitrotoluene
 Concen: 7.066 ng
 RT: 15.45 min Scan# 2070
 Delta R.T. 0.44 min
 Lab File: BG033852.D
 Acq: 17 Apr 2018 19:44

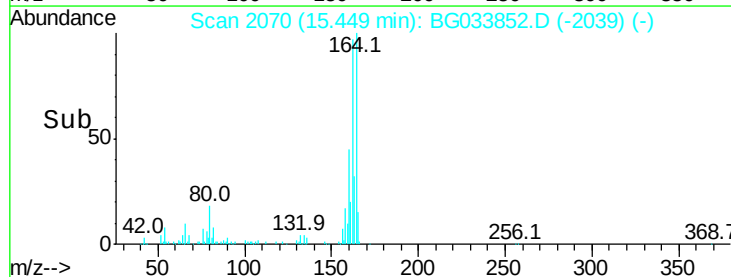
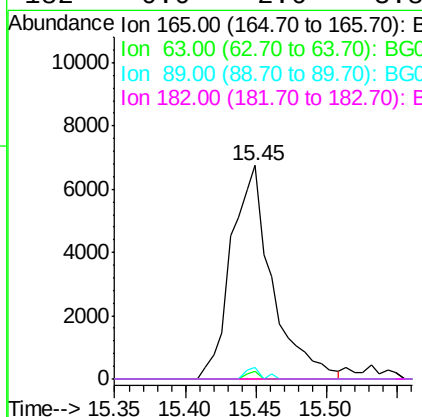
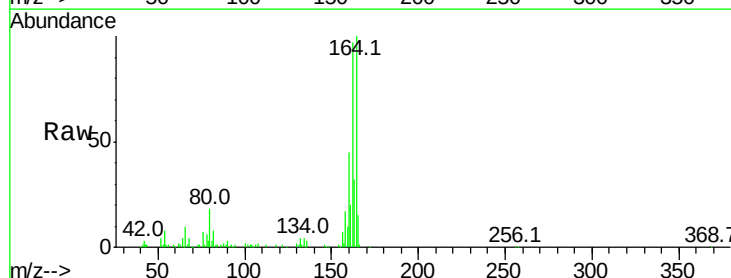
Instrument :
 BNA_G
 ClientSampleId :

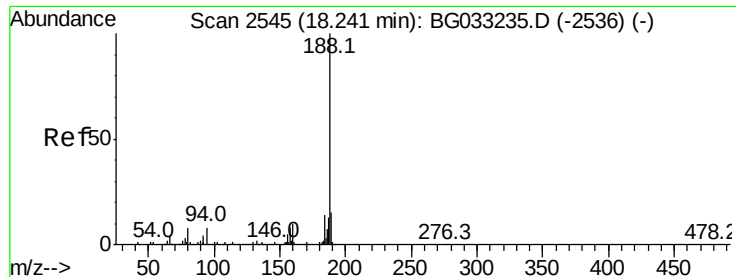
Tot Ion:165 Resp: 13637
 Ion Ratio Lower Upper
 165 100
 63 3.4 52.7 79.1#
 89 5.6 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.799 ng
 RT: 15.45 min Scan# 2070
 Delta R.T. -0.35 min
 Lab File: BG033852.D
 Acq: 17 Apr 2018 19:44

Tgt Ion:165 Resp: 13637
 Ion Ratio Lower Upper
 165 100
 63 3.4 42.0 63.0#
 89 5.6 66.9 100.3#
 182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.18 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BG033852.D

Acq: 17 Apr 2018 19:44

Instrument :

BNA_G

ClientSampleId :

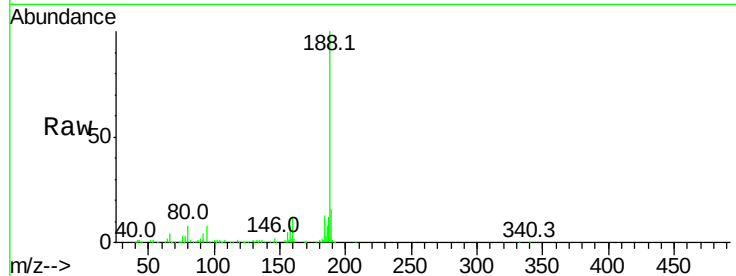
Tot Ion:188 Resp: 323889

Ion Ratio Lower Upper

188 100

94 7.6 6.9 10.3

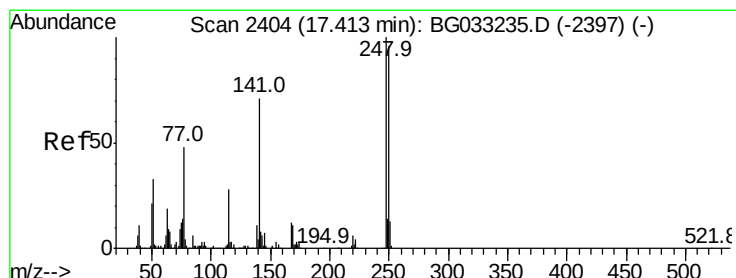
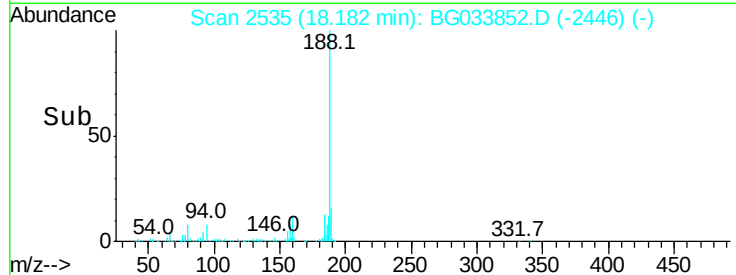
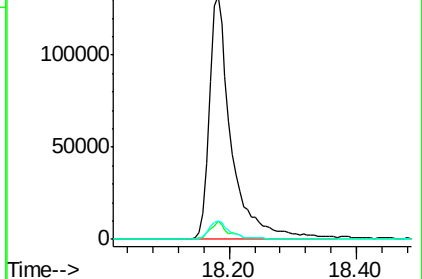
80 7.7 7.7 11.5#



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



#66

4-Bromophenyl-phenylether

Concen: 5.249 ng

RT: 16.92 min Scan# 2321

Delta R.T. -0.43 min

Lab File: BG033852.D

Acq: 17 Apr 2018 19:44

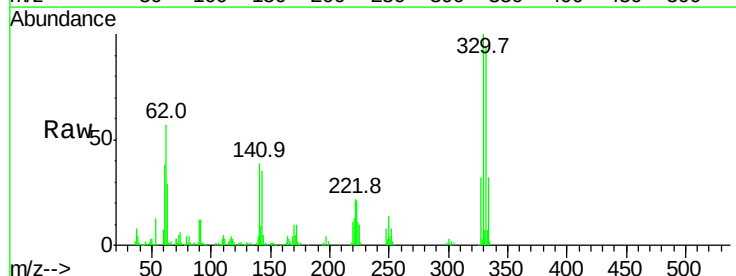
Tgt Ion:248 Resp: 19966

Ion Ratio Lower Upper

248 100

250 173.8 77.1 115.7#

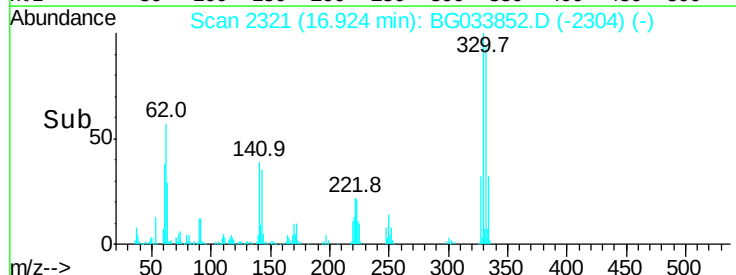
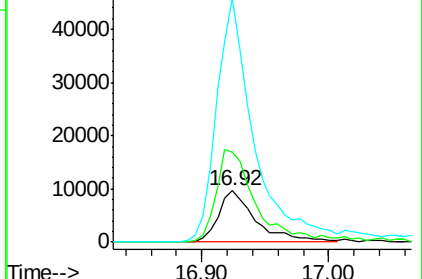
141 473.5 50.8 76.2#

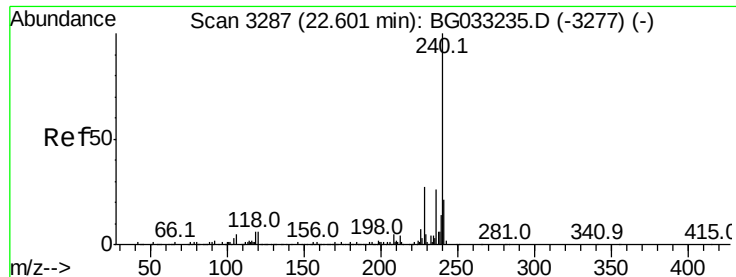


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.52 min Scan# 3274

Delta R.T. -0.01 min

Lab File: BG033852.D

Acq: 17 Apr 2018 19:44

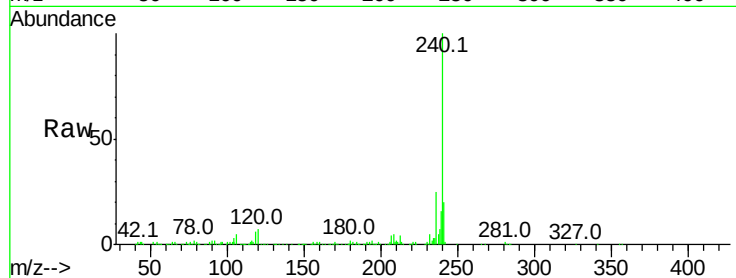
Instrument :

BNA_G

ClientSampleId :

Tot Ion:240 Resp: 325819

Ion	Ratio	Lower	Upper
240	100		
120	7.0	6.8	10.2
236	25.4	20.9	31.3

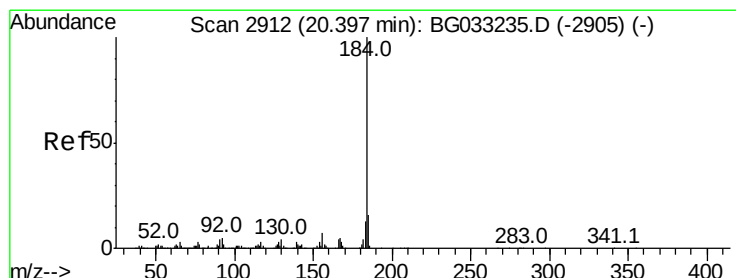
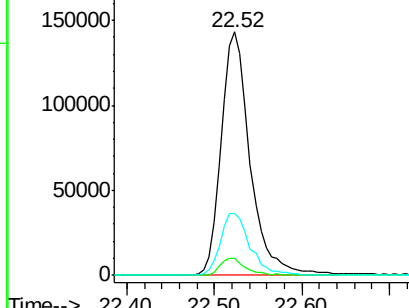
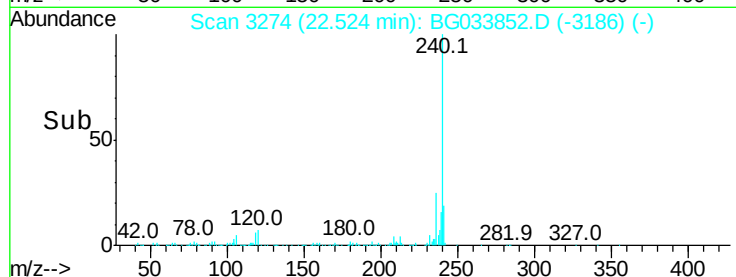


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

22.52



#76

Benzidine

Concen: 3.013 ng

RT: 20.70 min Scan# 2964

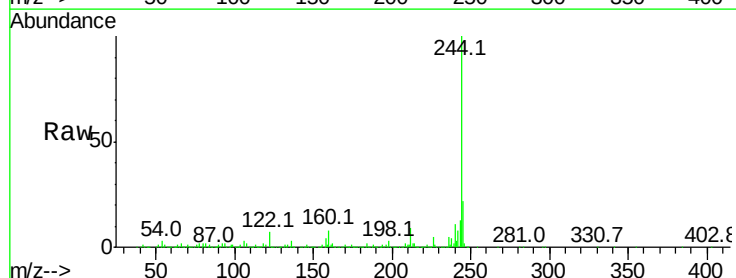
Delta R.T. 0.33 min

Lab File: BG033852.D

Acq: 17 Apr 2018 19:44

Tgt Ion:184 Resp: 26624

Ion	Ratio	Lower	Upper
184	100		
185	17.1	11.1	16.7#
183	9.1	10.6	16.0#

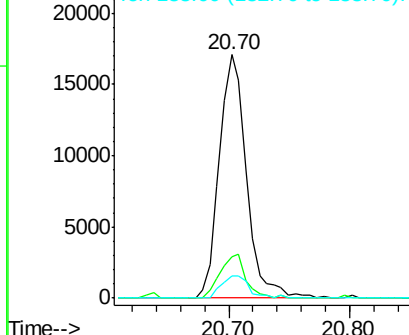
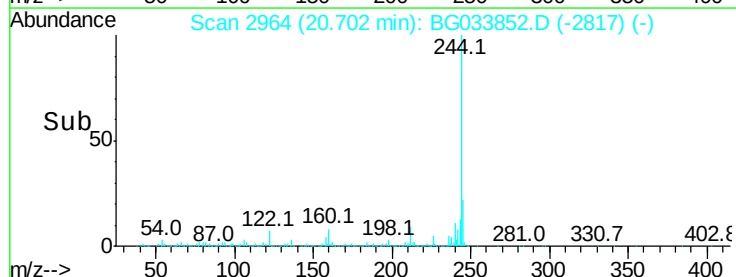


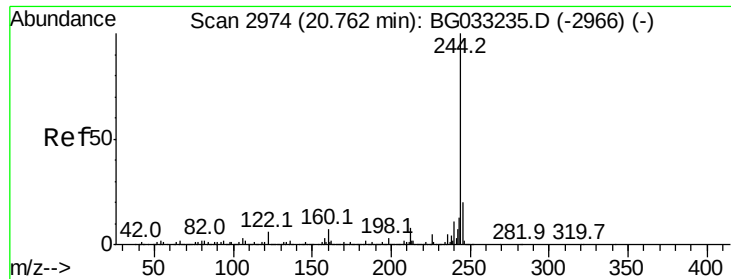
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

20.70



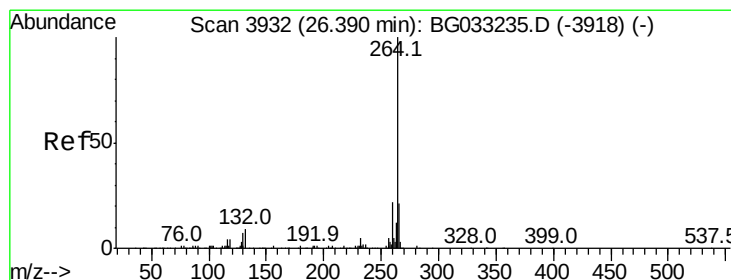
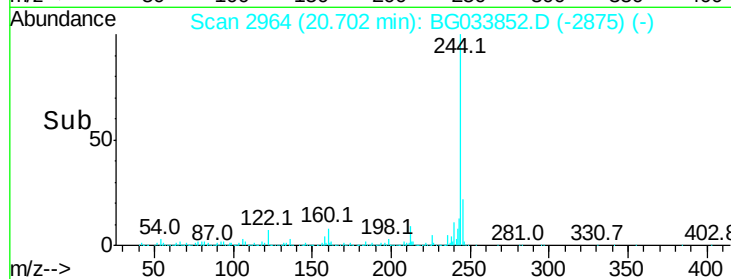
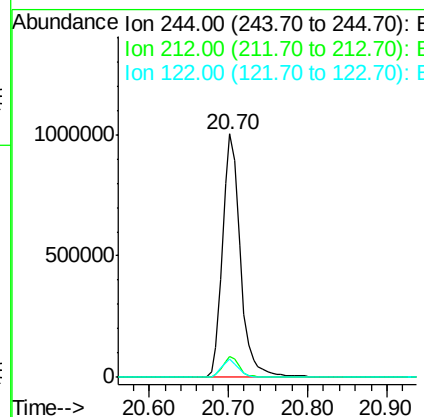
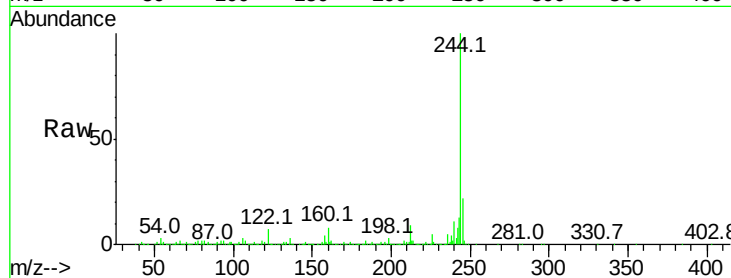


#78
 Terphenyl-d14
 Concen: 103.106 ng
 RT: 20.70 min Scan# 2964
 Delta R.T. -0.01 min
 Lab File: BG033852.D
 Acq: 17 Apr 2018 19:44

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1570830

Ion	Ratio	Lower	Upper
244	100		
212	8.5	5.8	8.8
122	7.3	7.0	10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.27 min Scan# 3912
 Delta R.T. -0.04 min
 Lab File: BG033852.D
 Acq: 17 Apr 2018 19:44

Tgt Ion:264 Resp: 350880

Ion	Ratio	Lower	Upper
264	100		
260	21.2	17.4	26.0
265	19.5	17.7	26.5

