

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041718\
 Data File : BG033853.D
 Acq On : 17 Apr 2018 20:22
 Operator : SJ/JU
 Sample : J2410-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 18 04:03:57 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

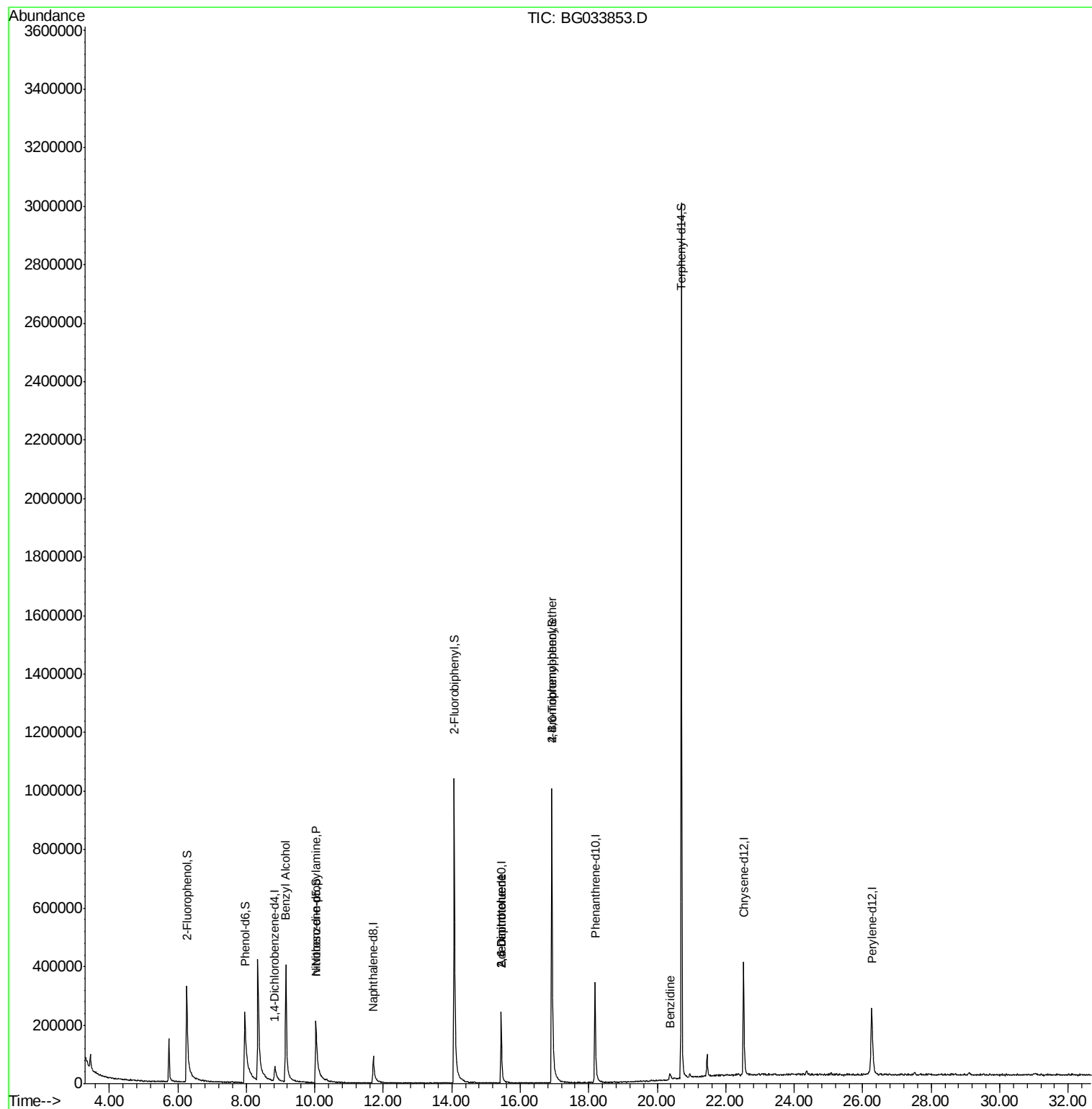
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.83	152	27155	20.00	ng	0.00
21) Naphthalene-d8	11.71	136	140127	20.00	ng	0.00
38) Acenaphthene-d10	15.44	164	114736	20.00	ng	0.00
63) Phenanthrene-d10	18.18	188	338599	20.00	ng	0.00
75) Chrysene-d12	22.52	240	337191	20.00	ng	-0.02
86) Perylene-d12	26.26	264	362792	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	6.26	112	238528	164.71	ng	0.00
7) Phenol-d6	7.96	99	339623	136.49	ng	0.00
23) Nitrobenzene-d5	10.03	82	308093	101.02	ng	0.00
41) 2,4,6-Tribromophenol	16.92	330	281072	163.79	ng	0.00
44) 2-Fluorobiphenyl	14.07	172	822379	103.47	ng	0.00
78) Terphenyl-d14	20.70	244	1676593	106.34	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.15	79	5130	2.619	ng	# 24
19) n-Nitroso-di-n-propylamine	10.04	70	33346	18.289	ng	# 79
50) 2,6-Dinitrotoluene	15.44	165	13647	6.684	ng	# 18
56) 2,4-Dinitrotoluene	15.44	165	13731	4.568	ng	# 16
66) 4-Bromophenyl-phenylether	16.92	248	21244	5.342	ng	# 1
76) Benzidine	20.37	184	33025	3.612	ng	# 94

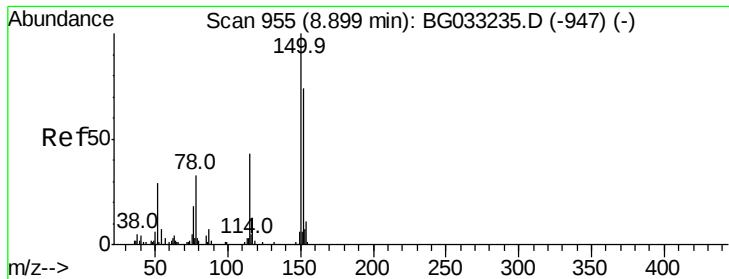
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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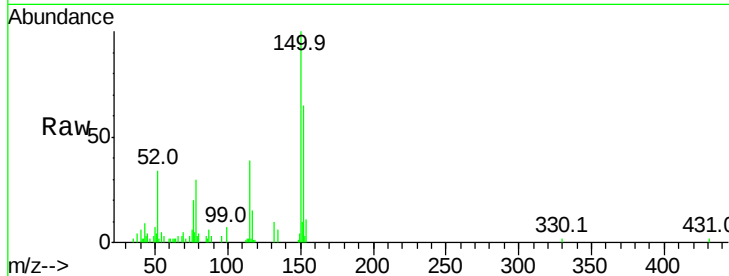


#1

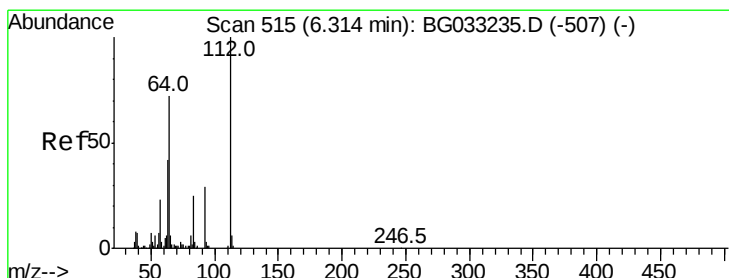
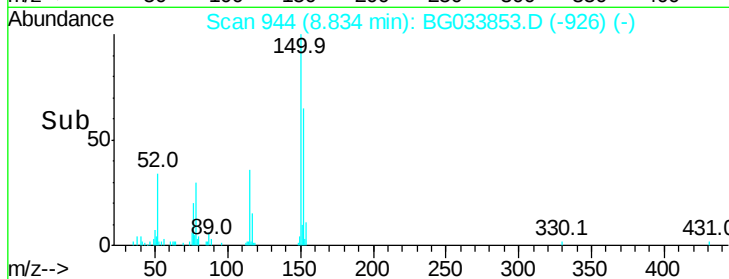
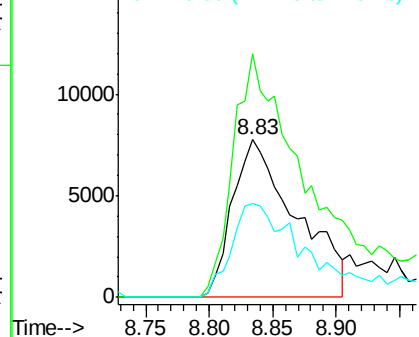
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.83 min Scan# 944
Delta R.T. 0.00 min
Lab File: BG033853.D
Acq: 17 Apr 2018 20:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 27155
Ion Ratio Lower Upper
152 100
150 154.3 126.6 189.8
115 59.6 53.0 79.4



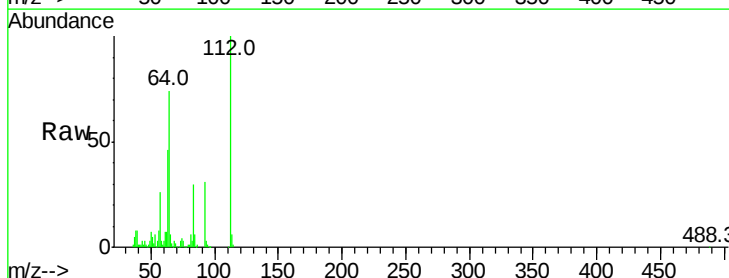
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



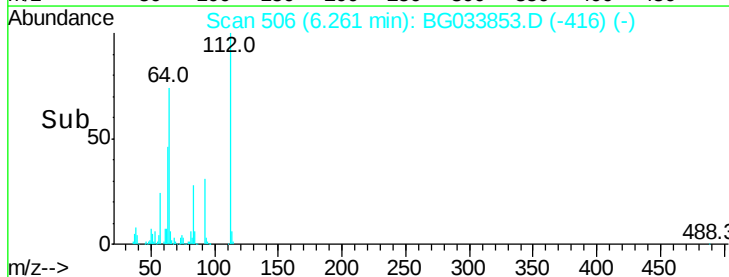
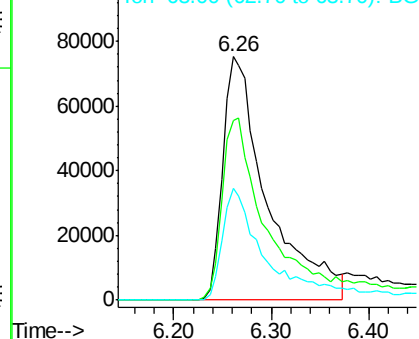
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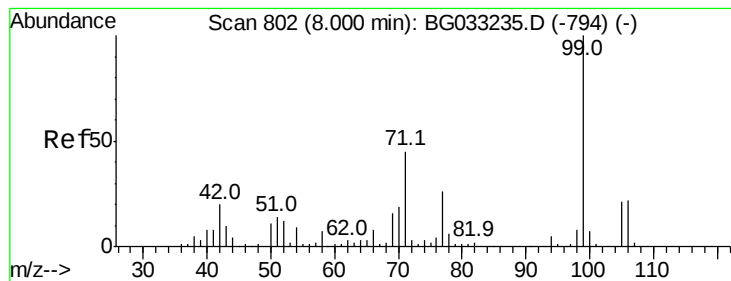
2-Fluorophenol
Concen: 164.710 ng
RT: 6.26 min Scan# 506
Delta R.T. -0.00 min
Lab File: BG033853.D
Acq: 17 Apr 2018 20:22

Tgt Ion:112 Resp: 238528
Ion Ratio Lower Upper
112 100
64 73.7 56.3 84.5
63 46.0 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: 136.490 ng

RT: 7.96 min Scan# 795

Delta R.T. -0.00 min

Lab File: BG033853.D

Acq: 17 Apr 2018 20:22

Instrument :

BNA_G

ClientSampleId :

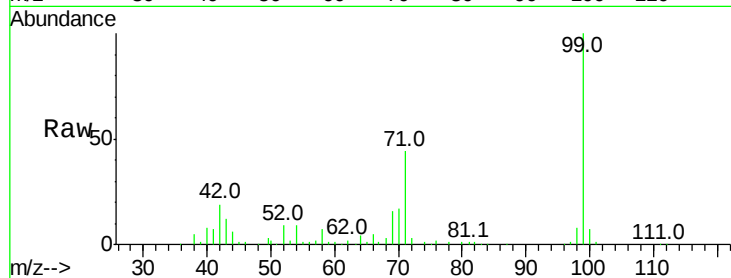
Tot Ion: 99 Resp: 339623

Ion Ratio Lower Upper

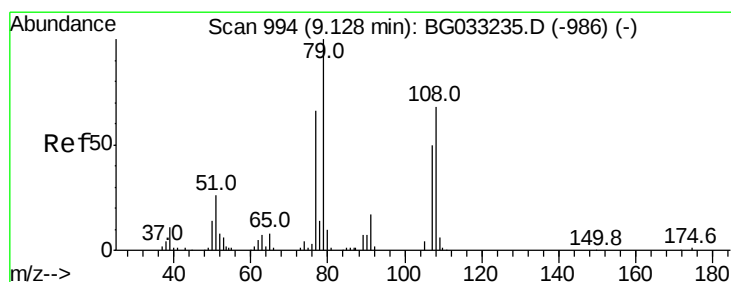
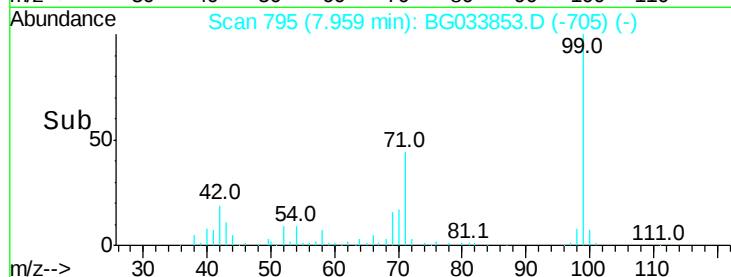
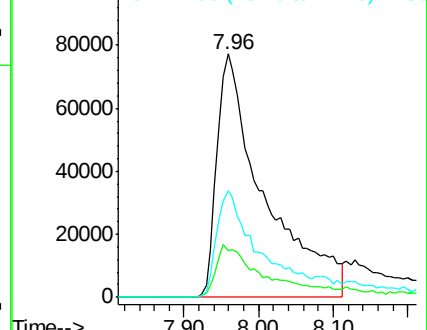
99 100

42 19.3 14.1 21.1

71 43.6 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: 2.619 ng

RT: 9.15 min Scan# 998

Delta R.T. 0.07 min

Lab File: BG033853.D

Acq: 17 Apr 2018 20:22

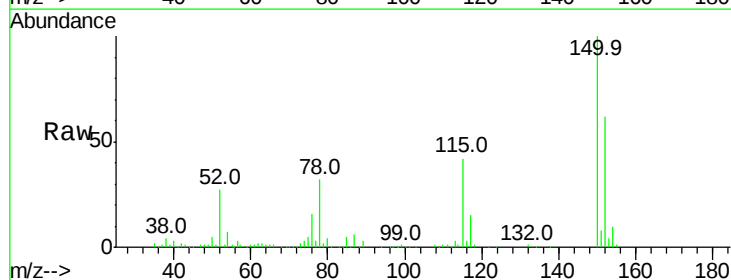
Tgt Ion: 79 Resp: 5130

Ion Ratio Lower Upper

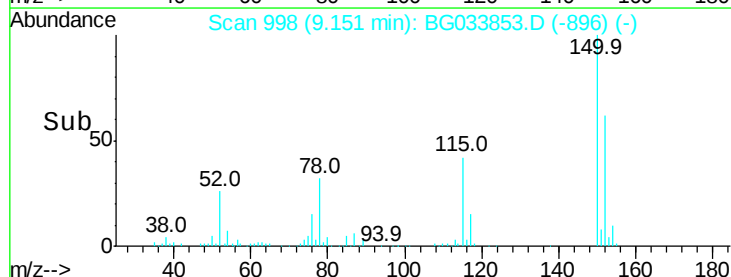
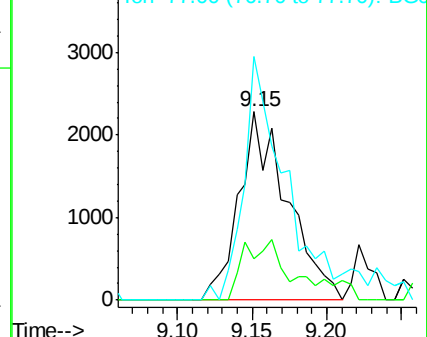
79 100

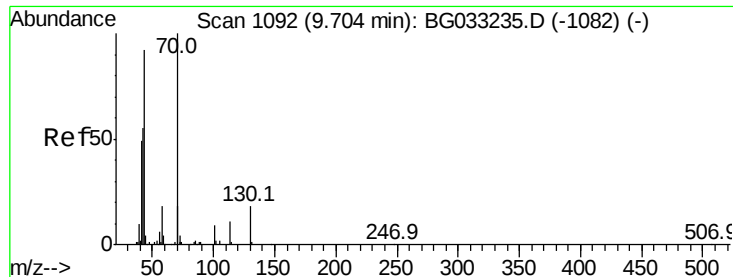
108 22.2 57.2 85.8#

77 129.4 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

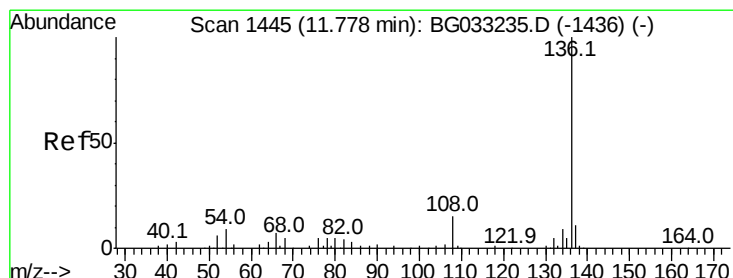
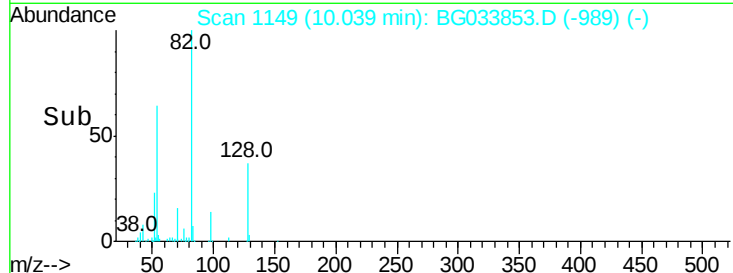
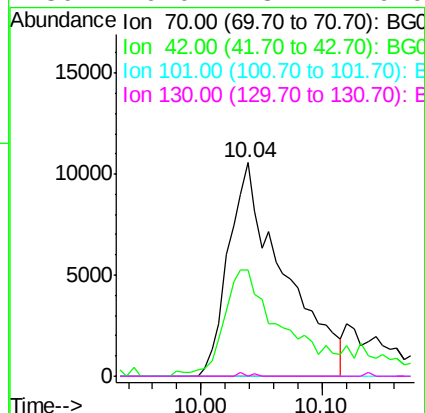
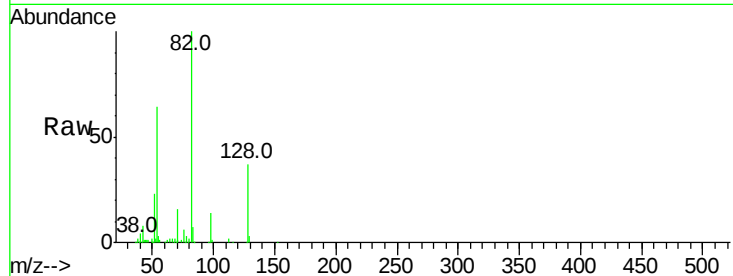




#19
n-Nitroso-di-n-propylamine
Concen: 18.289 ng
RT: 10.04 min Scan# 1149
Delta R.T. 0.41 min
Lab File: BG033853.D
Acq: 17 Apr 2018 20:22

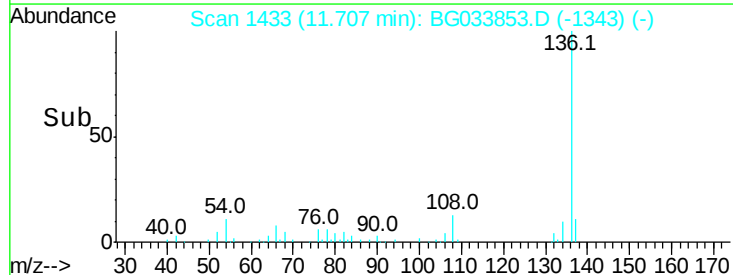
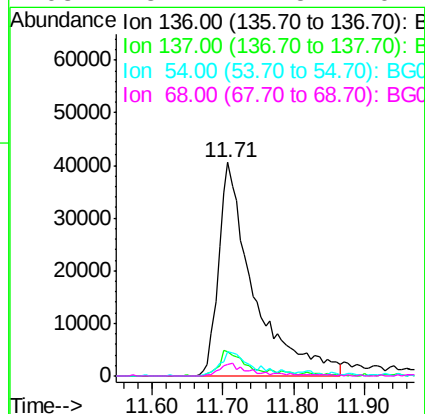
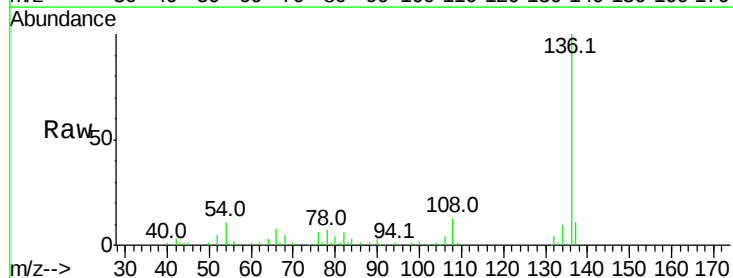
Instrument :
BNA_G
ClientSampleId :

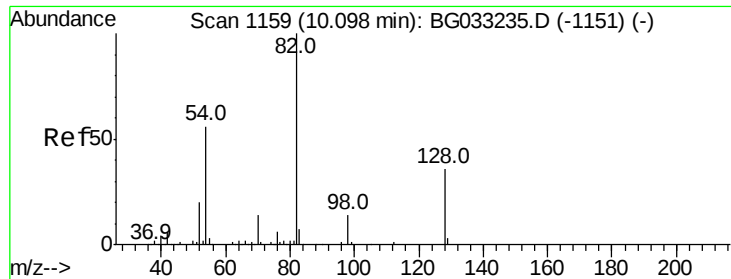
Tot Ion:	70	Resp:	33346
Ion	Ratio	Lower	Upper
70	100		
42	49.8	49.1	73.7
101	0.0	8.5	12.7#
130	0.0	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.71 min Scan# 1433
Delta R.T. -0.00 min
Lab File: BG033853.D
Acq: 17 Apr 2018 20:22

Tgt Ion:	136	Resp:	140127
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	11.2	10.3	15.5
68	5.1	4.5	6.7

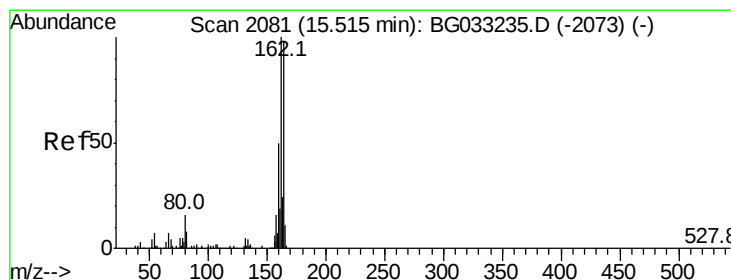
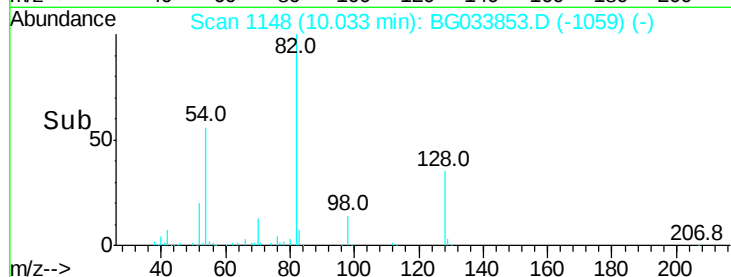
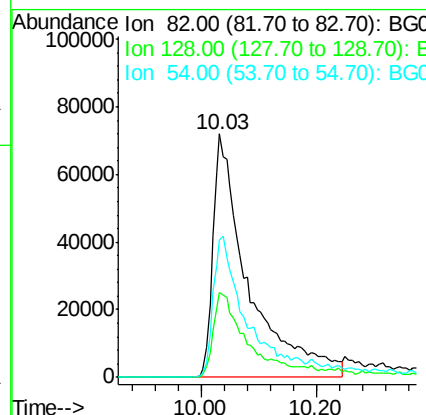
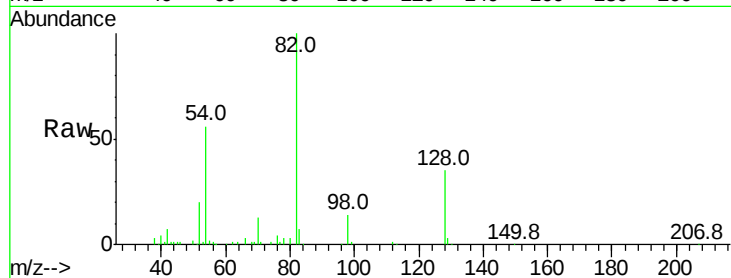




#23
 Nitrobenzene-d5
 Concen: 101.016 ng
 RT: 10.03 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BG033853.D
 Acq: 17 Apr 2018 20:22

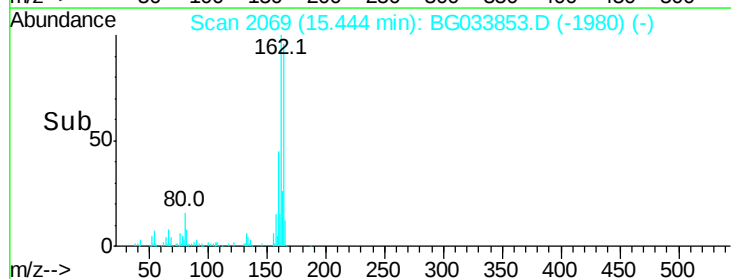
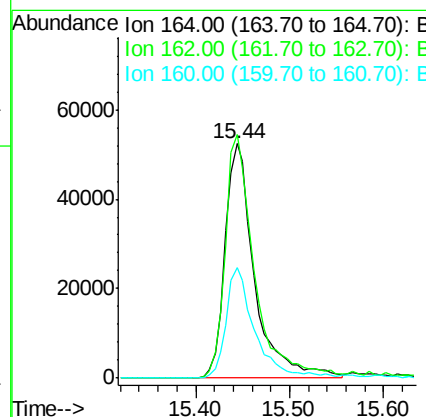
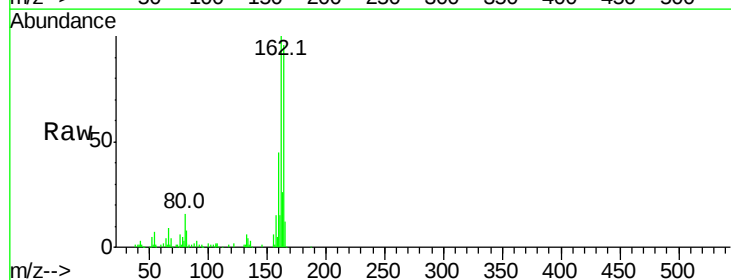
Instrument :
 BNA_G
 ClientSampleId :

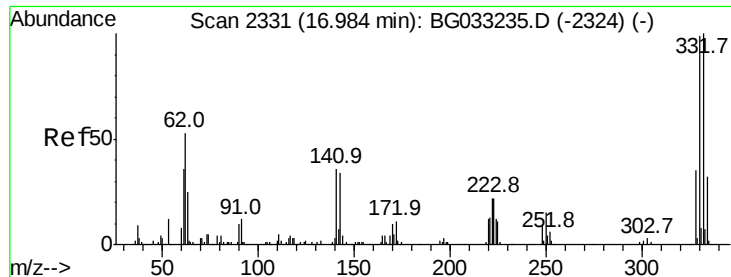
Tot Ion: 82 Resp: 308093
 Ion Ratio Lower Upper
 82 100
 128 34.9 29.7 44.5
 54 56.3 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: BG033853.D
 Acq: 17 Apr 2018 20:22

Tgt Ion: 164 Resp: 114736
 Ion Ratio Lower Upper
 164 100
 162 104.0 78.8 118.2
 160 47.3 35.4 53.0

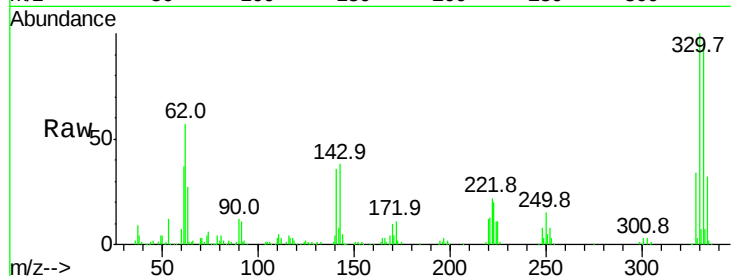




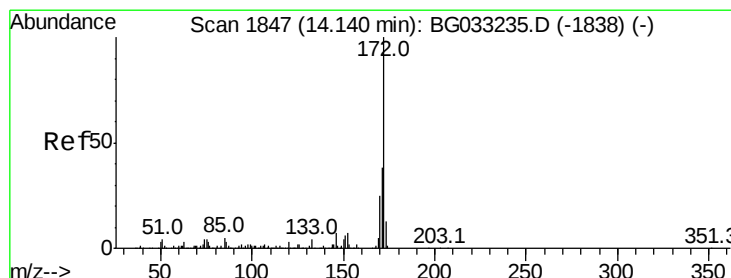
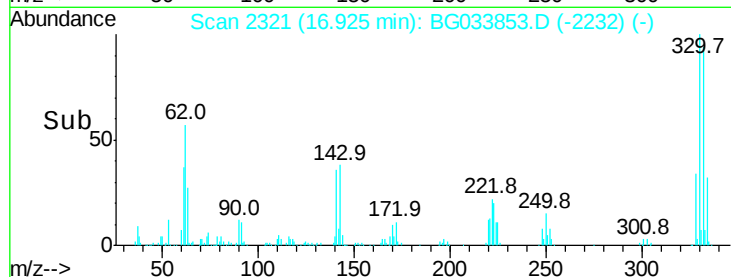
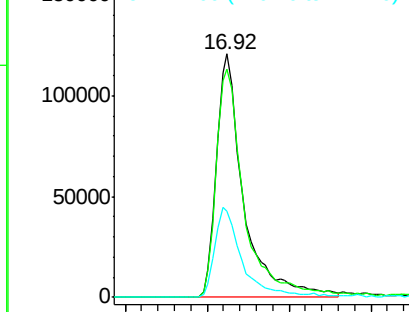
#41
 2,4,6-Tribromophenol
 Concen: 163.794 ng
 RT: 16.92 min Scan# 2321
 Delta R.T. -0.01 min
 Lab File: BG033853.D
 Acq: 17 Apr 2018 20:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	36.2	25.2	37.8

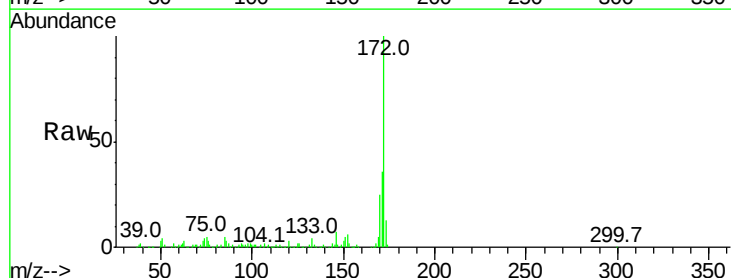


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

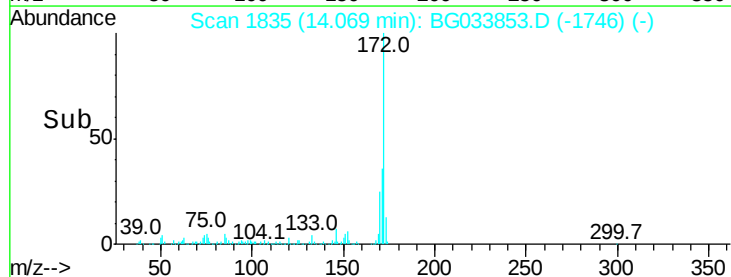
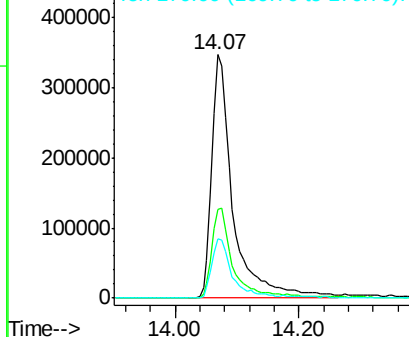


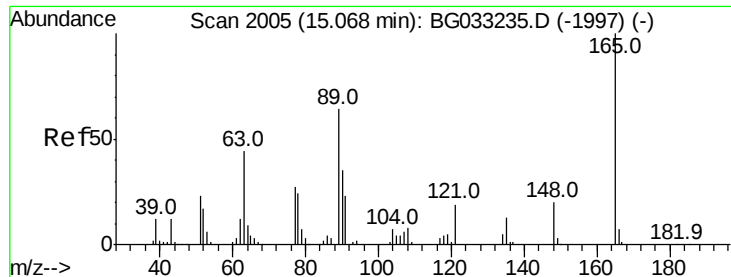
#44
 2-Fluorobiphenyl
 Concen: 103.474 ng
 RT: 14.07 min Scan# 1835
 Delta R.T. -0.01 min
 Lab File: BG033853.D
 Acq: 17 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.0	45.0
170	24.5	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

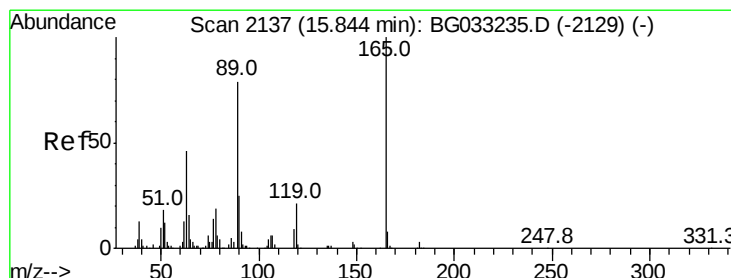
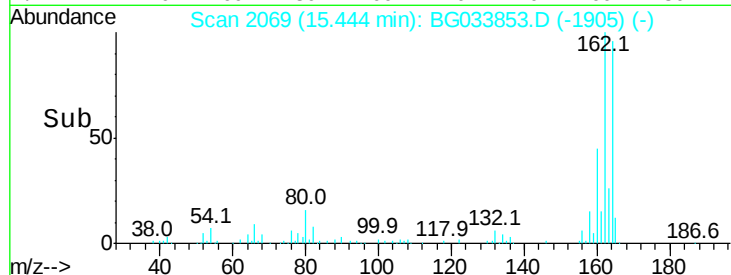
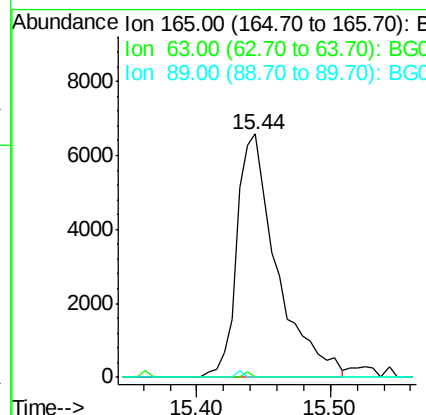
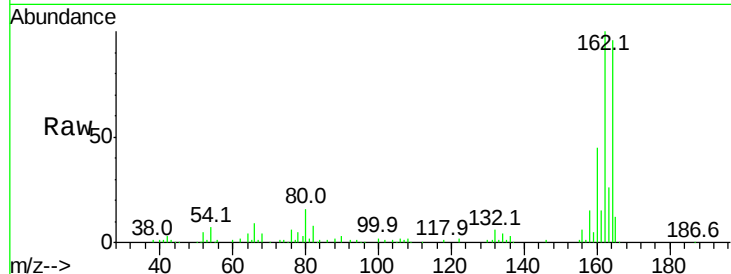




#50
 2,6-Dinitrotoluene
 Concen: 6.684 ng
 RT: 15.44 min Scan# 2069
 Delta R.T. 0.43 min
 Lab File: BG033853.D
 Acq: 17 Apr 2018 20:22

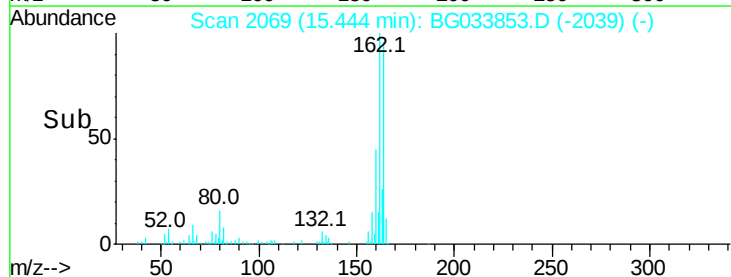
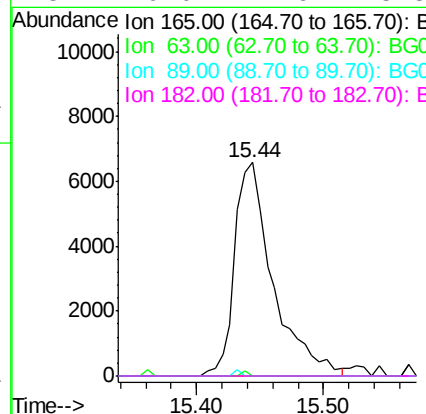
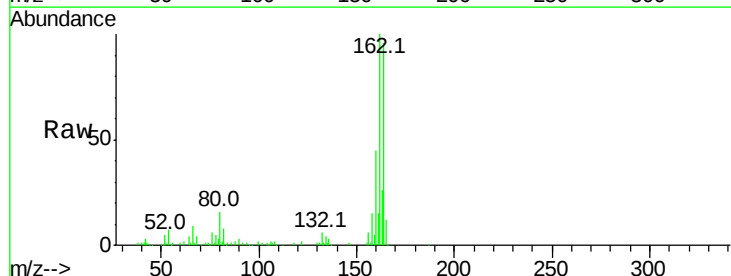
Instrument :
 BNA_G
 ClientSampleId :

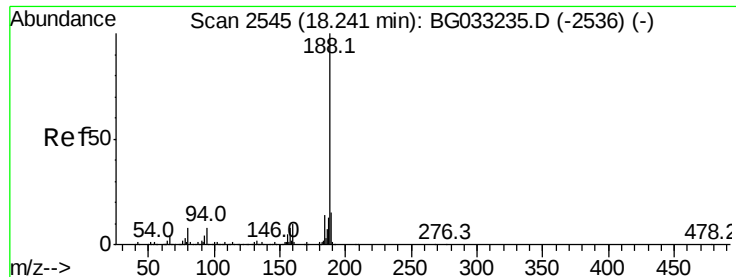
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.568 ng
 RT: 15.44 min Scan# 2069
 Delta R.T. -0.36 min
 Lab File: BG033853.D
 Acq: 17 Apr 2018 20:22

Tgt 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#

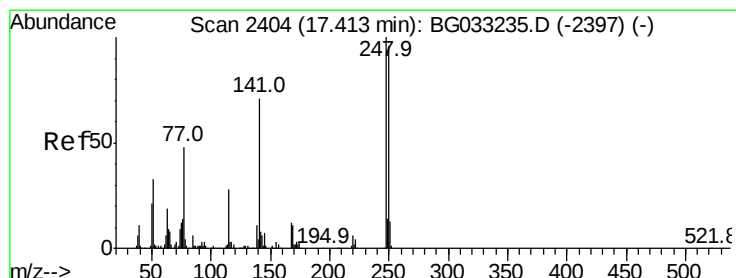
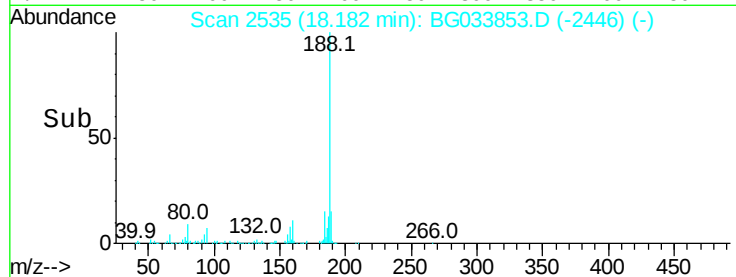
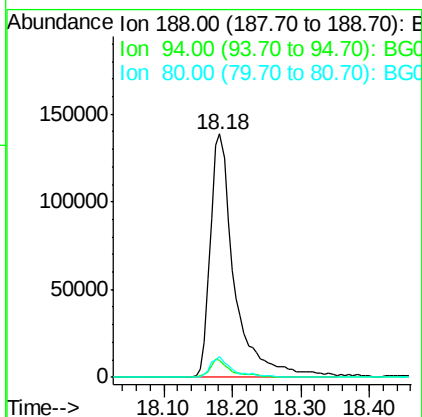
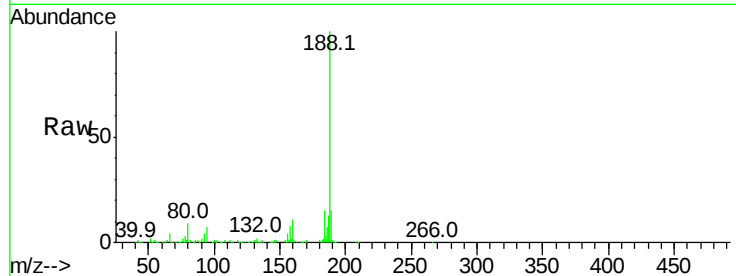




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.18 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BG033853.D
Acq: 17 Apr 2018 20:22

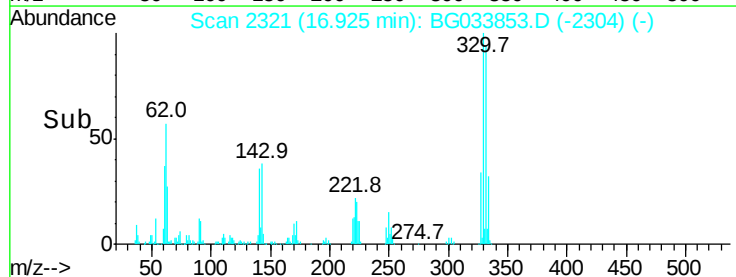
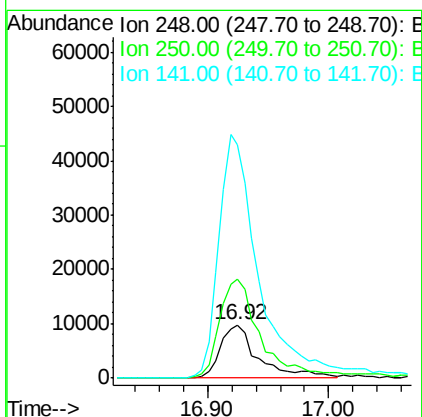
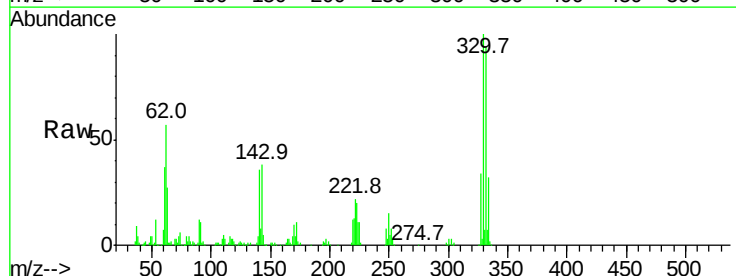
Instrument :
BNA_G
ClientSampleId :

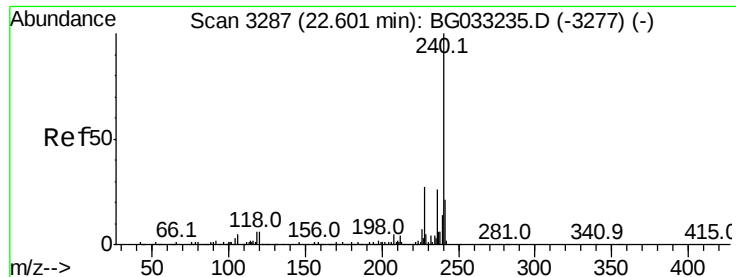
Tot Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.9	10.3
80	8.5	7.7	11.5



#66
4-Bromophenyl-phenylether
Concen: 5.342 ng
RT: 16.92 min Scan# 2321
Delta R.T. -0.43 min
Lab File: BG033853.D
Acq: 17 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
248	100		
250	185.1	77.1	115.7#
141	437.5	50.8	76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.52 min Scan# 3273

Delta R.T. -0.02 min

Lab File: BG033853.D

Acq: 17 Apr 2018 20:22

Instrument :

BNA_G

ClientSampleId :

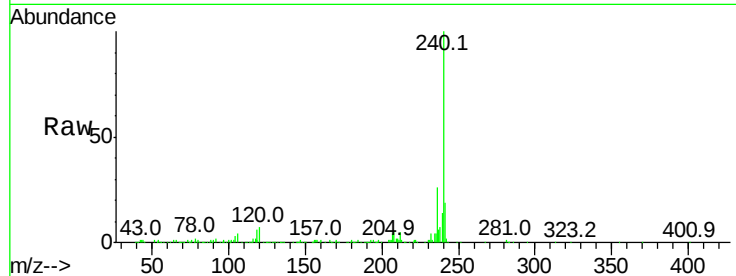
Tot Ion:240 Resp: 337191

Ion Ratio Lower Upper

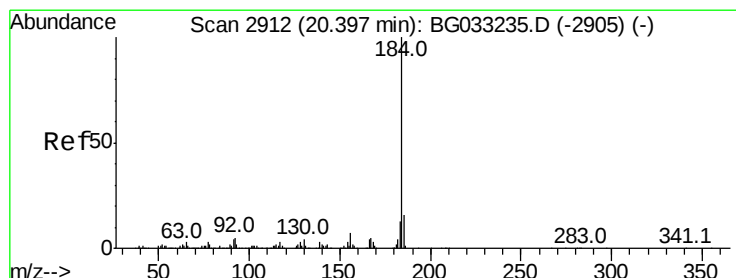
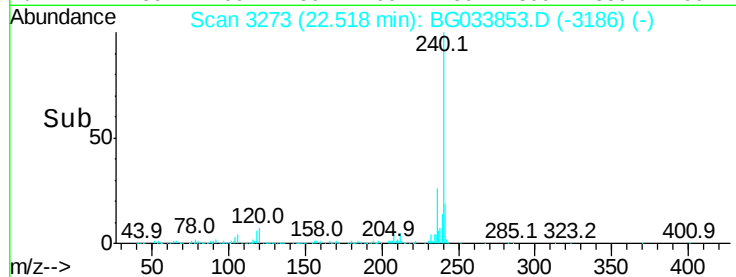
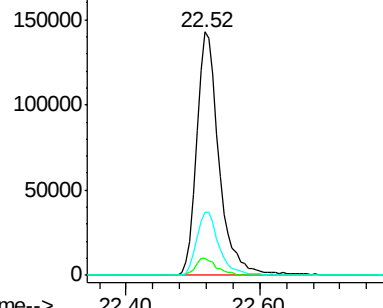
240 100

120 6.8 6.8 10.2#

236 26.1 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: 3.612 ng

RT: 20.37 min Scan# 2908

Delta R.T. 0.00 min

Lab File: BG033853.D

Acq: 17 Apr 2018 20:22

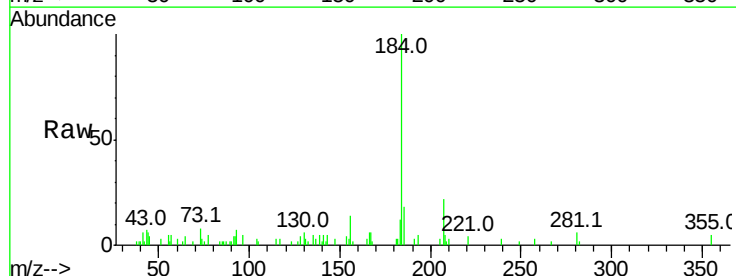
Tgt Ion:184 Resp: 33025

Ion Ratio Lower Upper

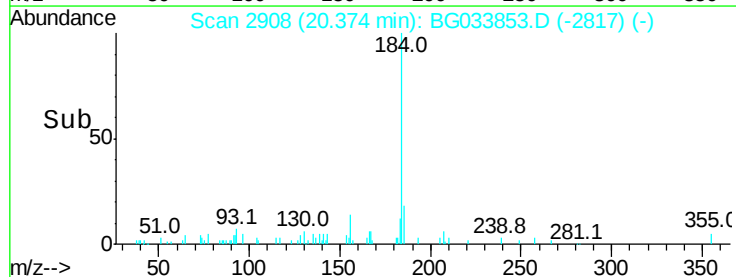
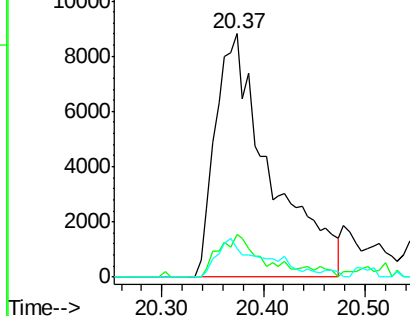
184 100

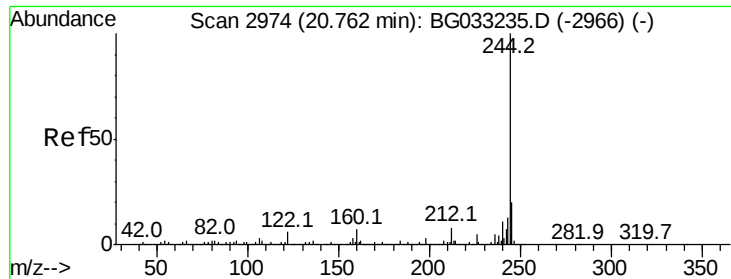
185 17.6 11.1 16.7#

183 11.9 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: 106.337 ng

RT: 20.70 min Scan# 2964

Delta R.T. -0.01 min

Lab File: BG033853.D

Acq: 17 Apr 2018 20:22

Instrument :

BNA_G

ClientSampleId :

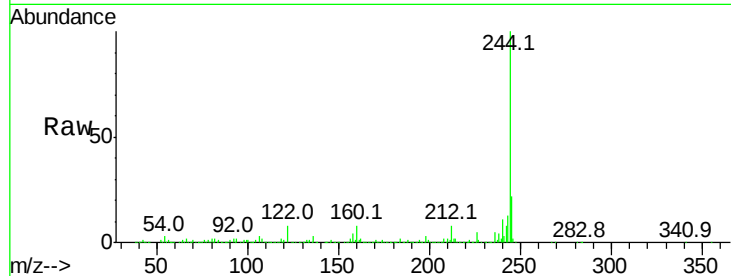
Tot Ion:244 Resp: 1676593

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

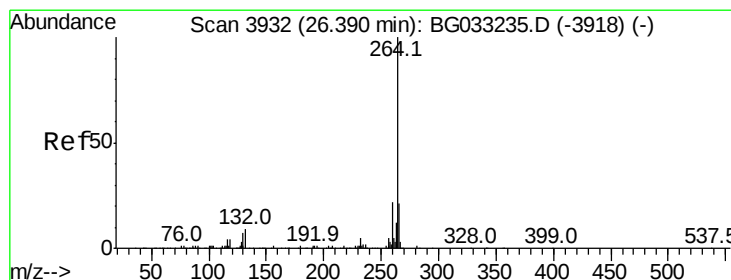
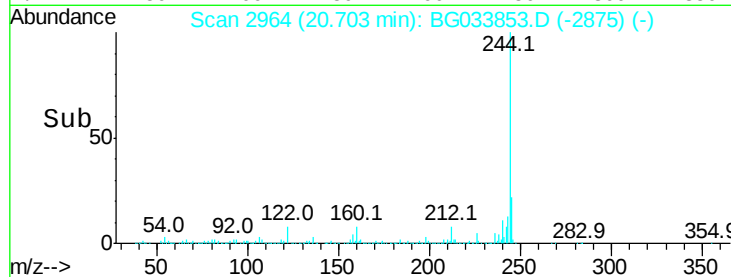
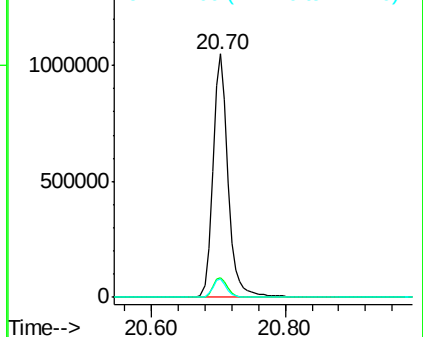
122 7.5 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 26.26 min Scan# 3910

Delta R.T. -0.05 min

Lab File: BG033853.D

Acq: 17 Apr 2018 20:22

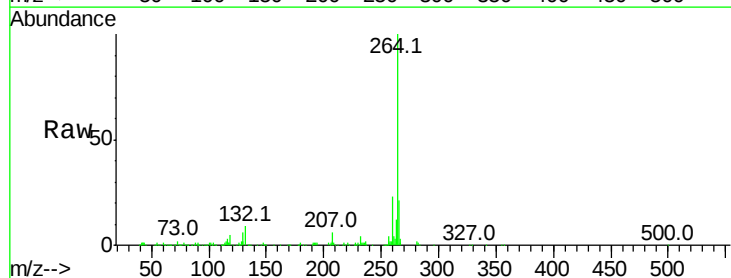
Tgt Ion:264 Resp: 362792

Ion Ratio Lower Upper

264 100

260 22.5 17.4 26.0

265 21.2 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

