

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040318\
 Data File : BG033543.D
 Acq On : 4 Apr 2018 3:51
 Operator : SJ/JU
 Sample : J2178-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 04 04:37:56 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

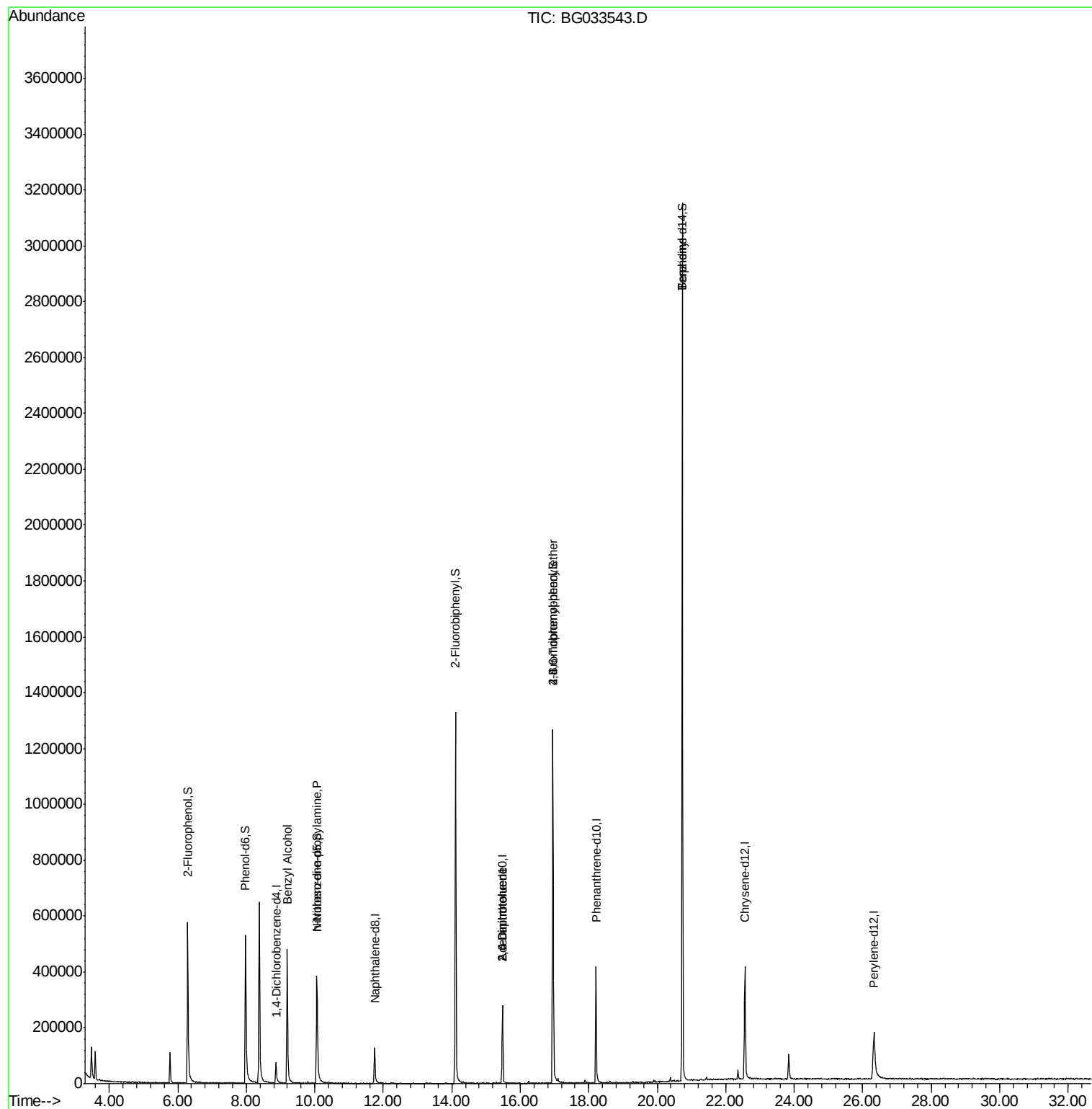
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	27860	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	131923	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	108539	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	303146	20.00	ng	0.00
75) Chrysene-d12	22.56	240	312900	20.00	ng	0.00
86) Perylene-d12	26.32	264	307497	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	283330	190.70	ng	0.00
7) Phenol-d6	7.98	99	378993	148.46	ng	0.00
23) Nitrobenzene-d5	10.06	82	311064	108.33	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	261851	161.31	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	760164	101.11	ng	0.00
78) Terphenyl-d14	20.73	244	1585422	108.36	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	4740	2.358	ng	# 65
19) n-Nitroso-di-n-propylamine	10.07	70	41152	21.999	ng	# 72
50) 2,6-Dinitrotoluene	15.48	165	12714	6.583	ng	# 18
56) 2,4-Dinitrotoluene	15.48	165	12714	4.471	ng	# 16
66) 4-Bromophenyl-phenylether	16.95	248	19629	5.513	ng	# 1
76) Benzidine	20.73	184	28236	3.328	ng	# 93

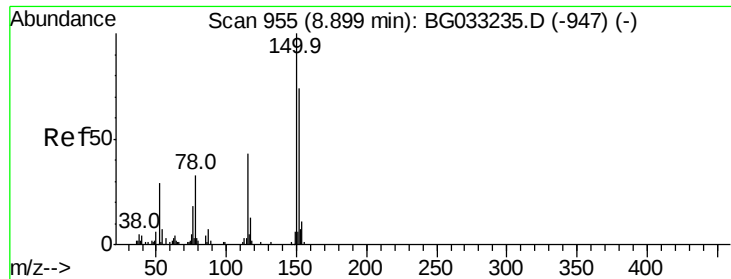
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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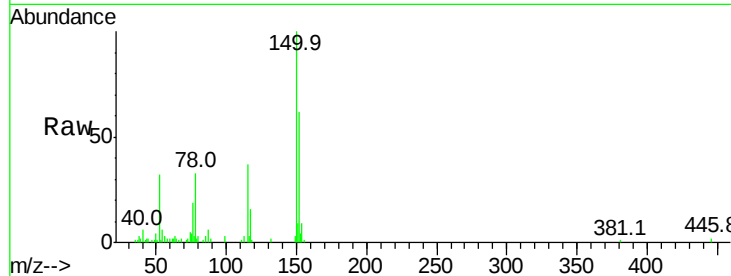


#1

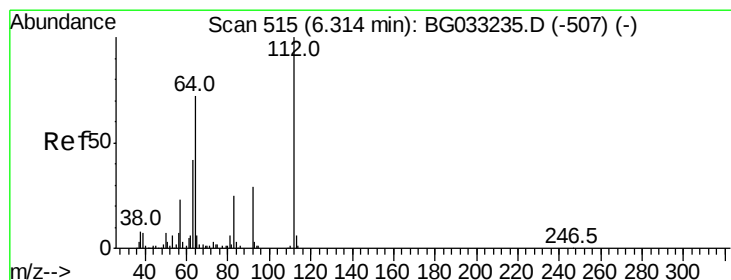
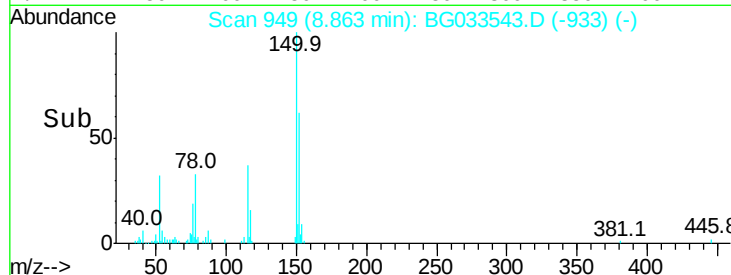
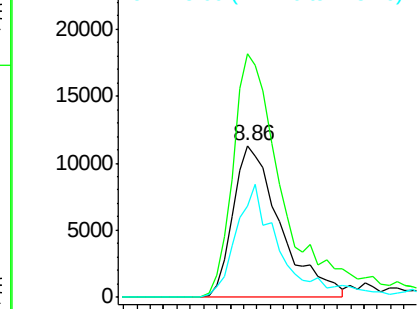
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.01 min
Lab File: BG033543.D
Acq: 4 Apr 2018 3:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	126.6	189.8
115	59.7	53.0	79.4



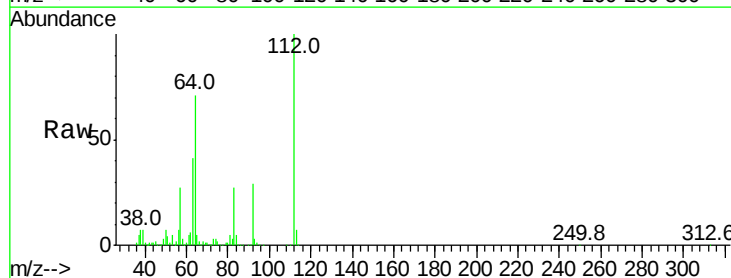
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



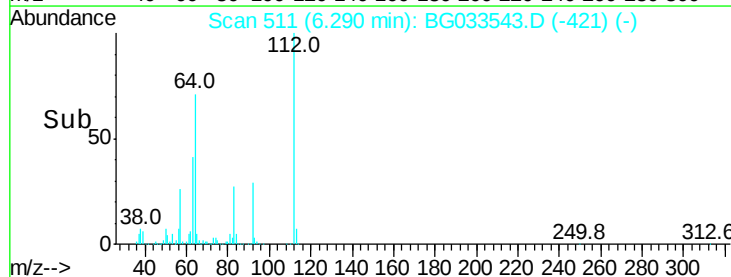
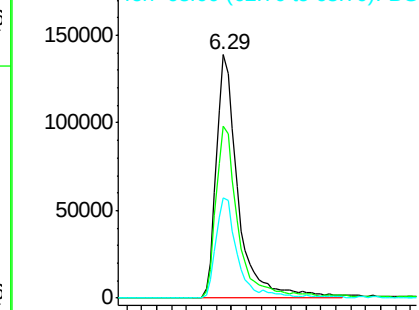
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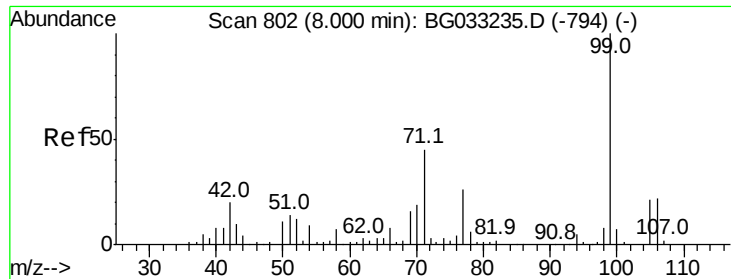
2-Fluorophenol
Concen: 190.696 ng
RT: 6.29 min Scan# 511
Delta R.T. -0.00 min
Lab File: BG033543.D
Acq: 4 Apr 2018 3:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.6	56.3	84.5
63	41.0	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: 148.458 ng

RT: 7.98 min Scan# 798

Delta R.T. -0.01 min

Lab File: BG033543.D

Acq: 4 Apr 2018 3:51

Instrument :

BNA_G

ClientSampleId :

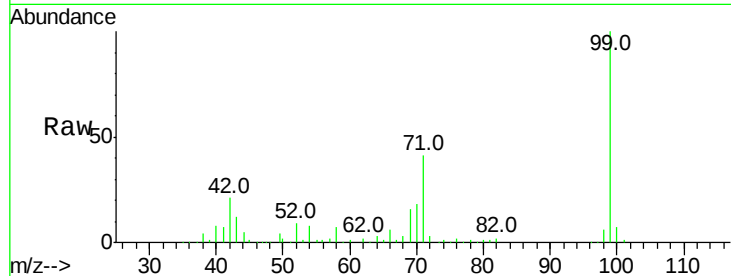
Tot Ion: 99 Resp: 378993

Ion	Ratio	Lower	Upper
99	100		
42	20.7	14.1	21.1
71	41.4	26.1	39.1

99 100

42 20.7 14.1 21.1

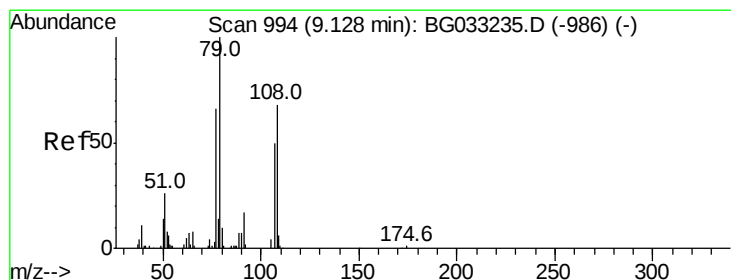
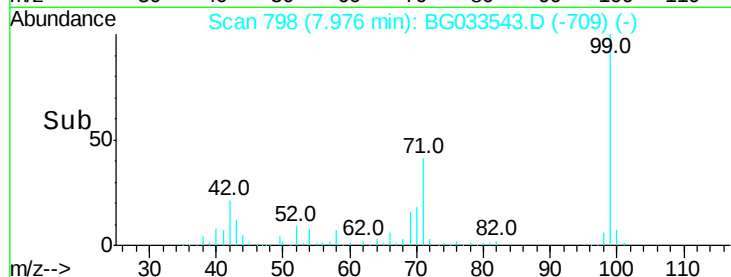
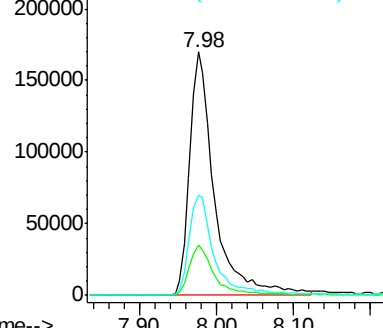
71 41.4 26.1 39.1



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: 2.358 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.09 min

Lab File: BG033543.D

Acq: 4 Apr 2018 3:51

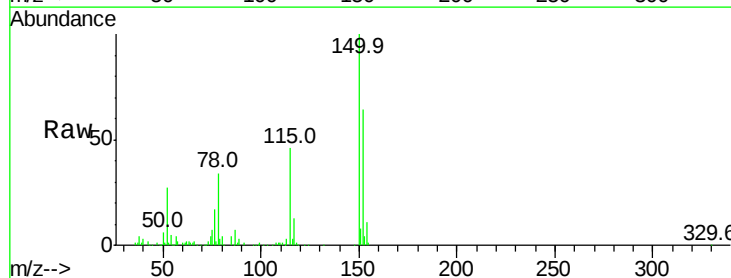
Tgt Ion: 79 Resp: 4740

Ion	Ratio	Lower	Upper
79	100		
108	28.6	57.2	85.8
77	67.9	46.1	69.1

79 100

108 28.6 57.2 85.8

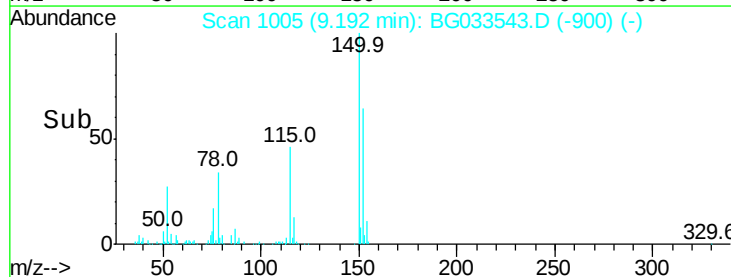
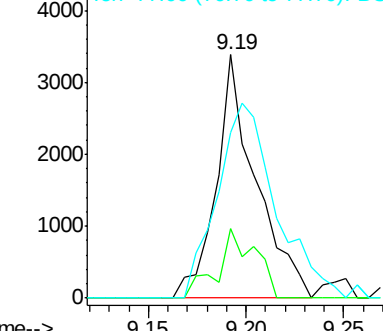
77 67.9 46.1 69.1

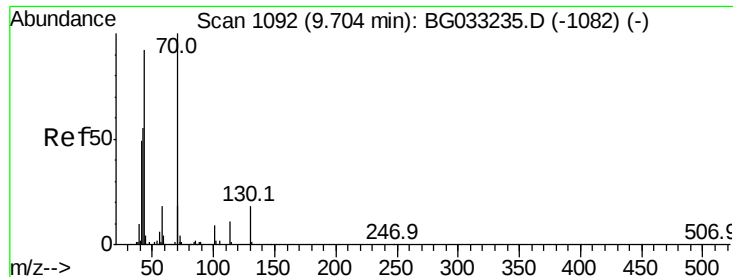


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

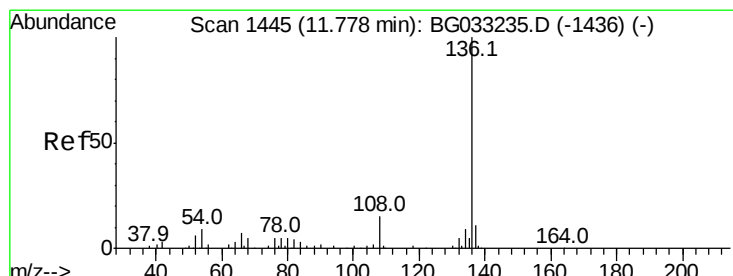
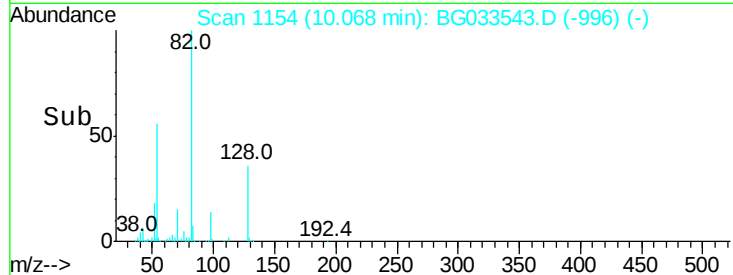
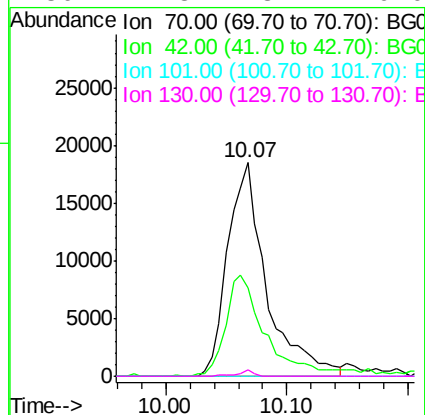
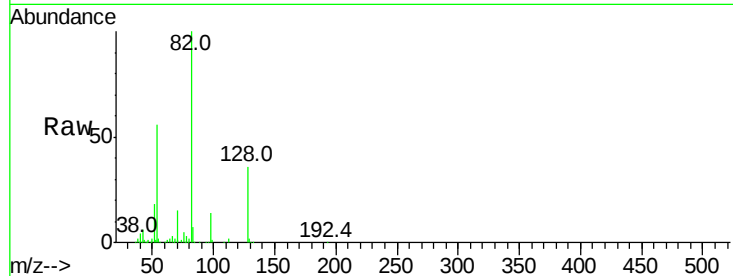




#19
 n-Nitroso-di-n-propylamine
 Concen: 21.999 ng
 RT: 10.07 min Scan# 1154
 Delta R.T. 0.40 min
 Lab File: BG033543.D
 Acq: 4 Apr 2018 3:51

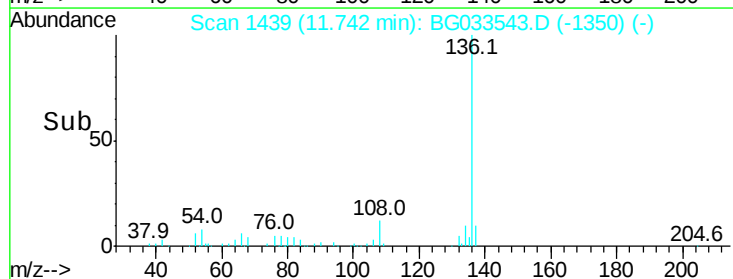
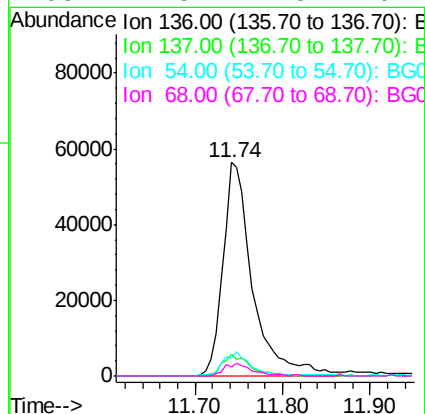
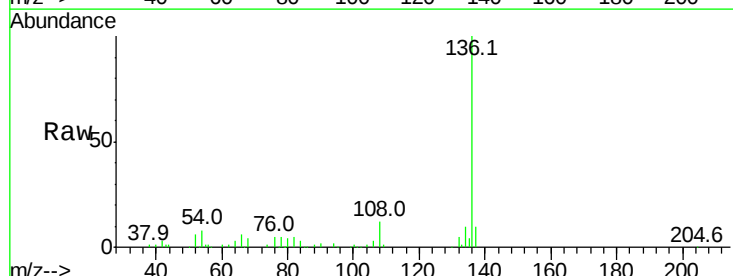
Instrument :
 BNA_G
 ClientSampleId :

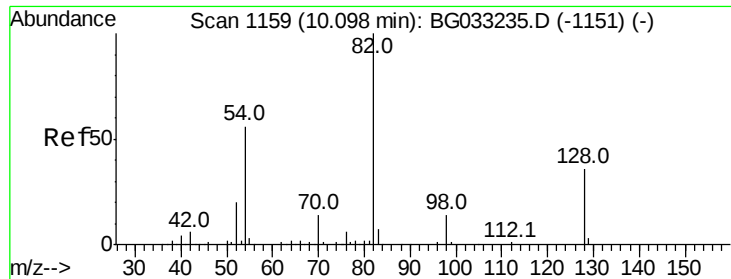
Tot Ion:	70	Resp:	41152
Ion	Ratio	Lower	Upper
70	100		
42	41.2	49.1	73.7#
101	0.0	8.5	12.7#
130	2.8	13.4	20.0#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 11.74 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BG033543.D
 Acq: 4 Apr 2018 3:51

Tgt Ion:	136	Resp:	131923
Ion	Ratio	Lower	Upper
136	100		
137	9.9	9.2	13.8
54	8.5	10.3	15.5#
68	4.5	4.5	6.7#

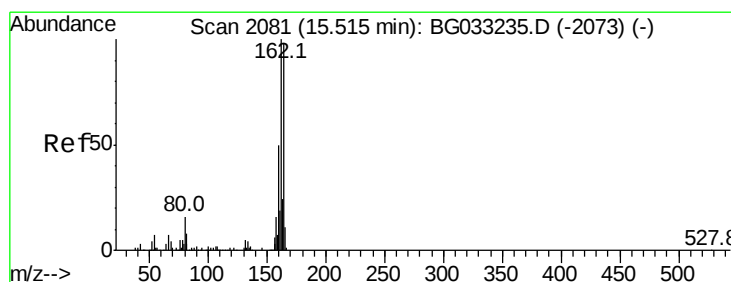
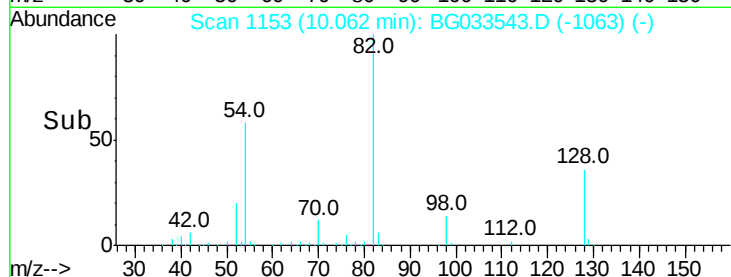
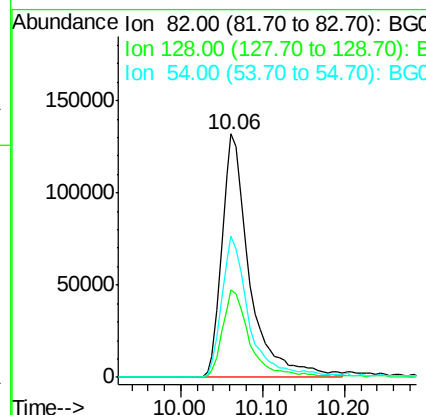
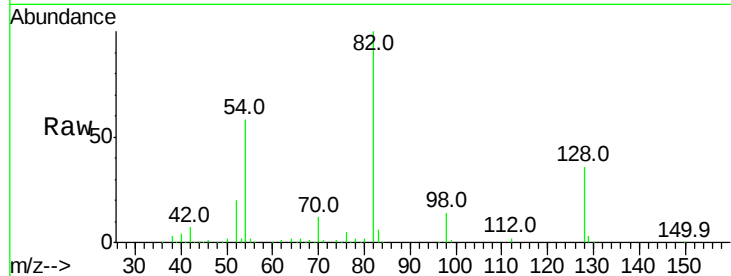




#23
 Nitrobenzene-d5
 Concen: 108.332 ng
 RT: 10.06 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BG033543.D
 Acq: 4 Apr 2018 3:51

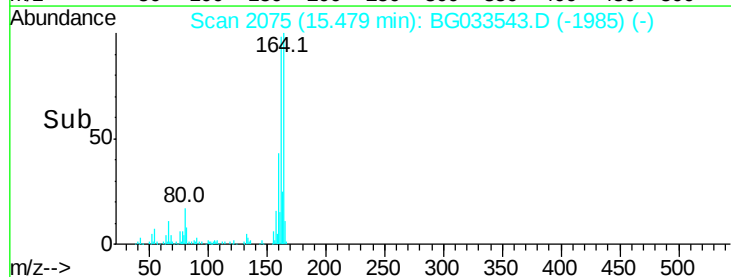
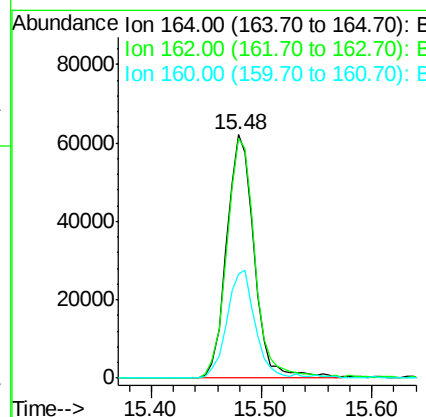
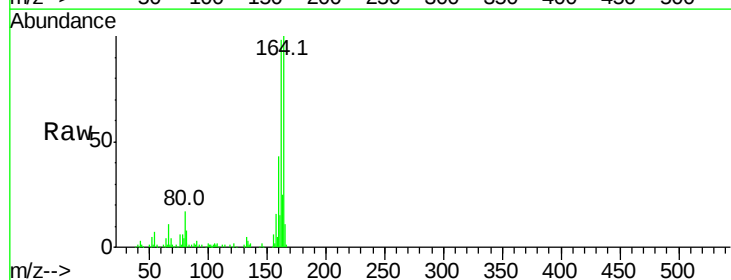
Instrument :
 BNA_G
 ClientSampleId :

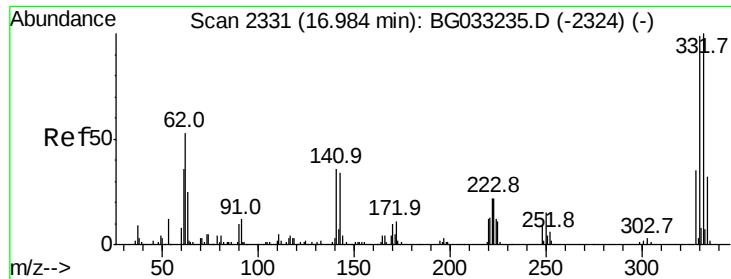
Tot Ion: 82 Resp: 311064
 Ion Ratio Lower Upper
 82 100
 128 36.1 29.7 44.5
 54 57.8 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.00 min
 Lab File: BG033543.D
 Acq: 4 Apr 2018 3:51

Tgt Ion:164 Resp: 108539
 Ion Ratio Lower Upper
 164 100
 162 98.2 78.8 118.2
 160 42.9 35.4 53.0

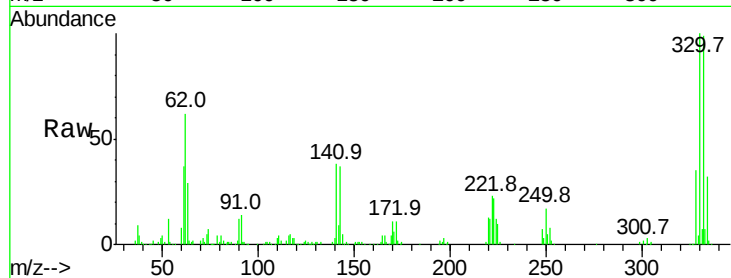




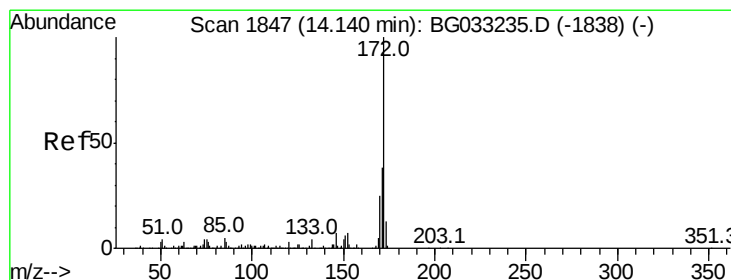
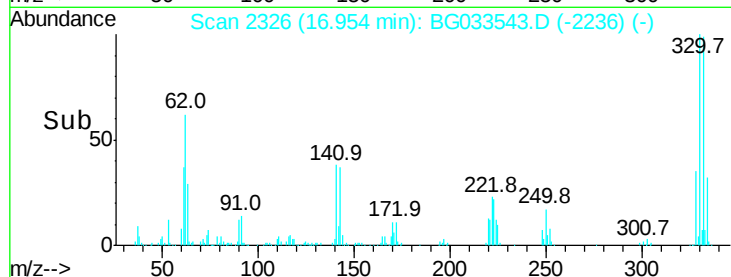
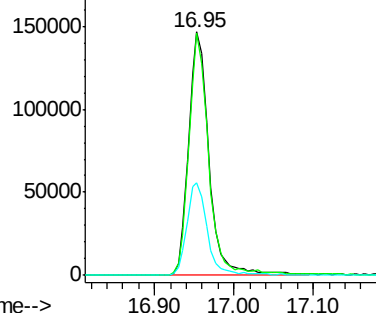
#41
 2,4,6-Tribromophenol
 Concen: 161.305 ng
 RT: 16.95 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: BG033543.D
 Acq: 4 Apr 2018 3:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	37.9	25.2	37.8#

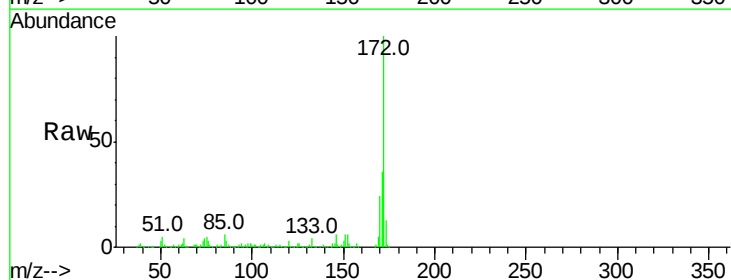


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

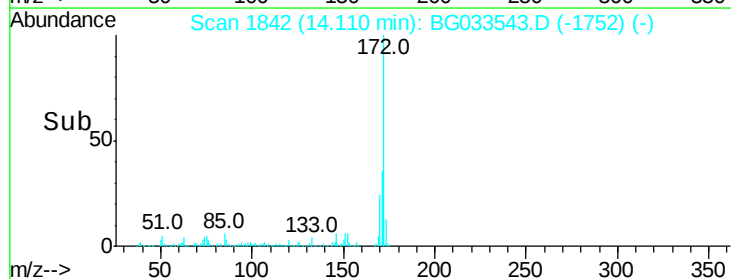
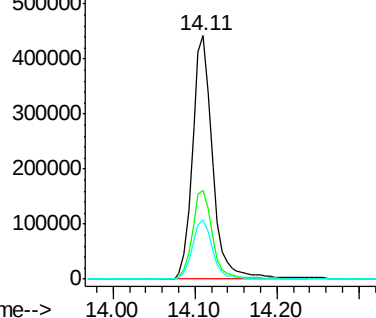


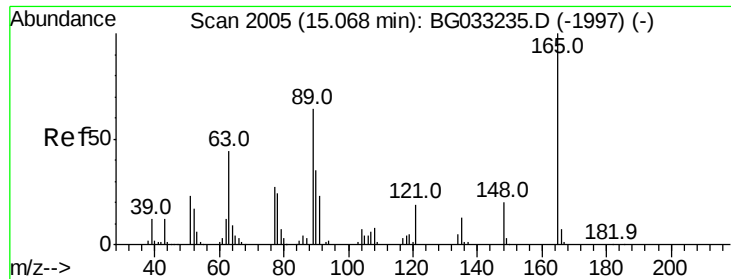
#44
 2-Fluorobiphenyl
 Concen: 101.106 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BG033543.D
 Acq: 4 Apr 2018 3:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	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

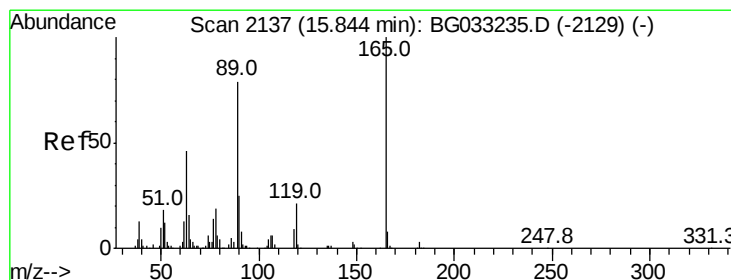
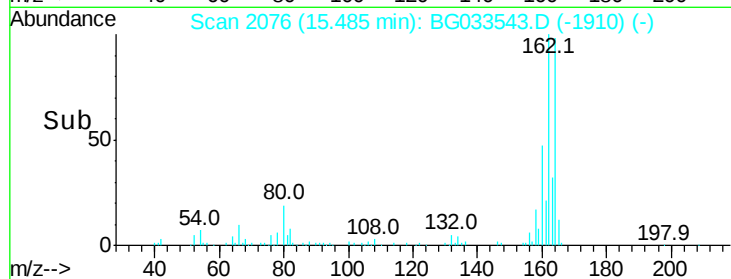
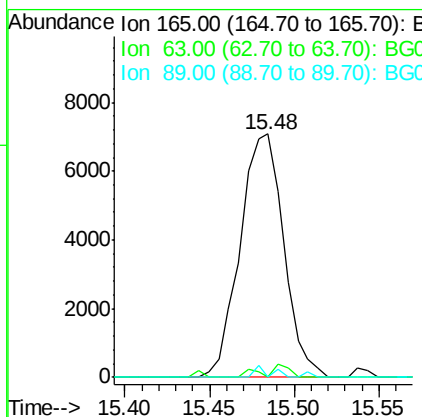
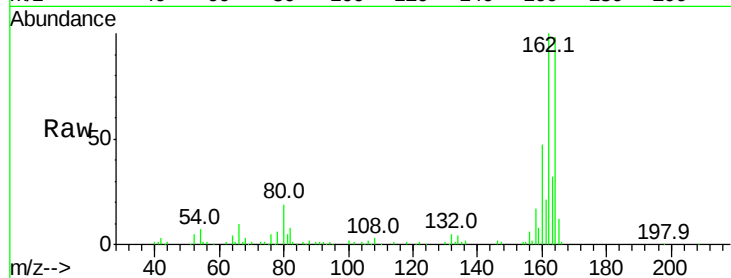




#50
 2,6-Dinitrotoluene
 Concen: 6.583 ng
 RT: 15.48 min Scan# 2076
 Delta R.T. 0.45 min
 Lab File: BG033543.D
 Acq: 4 Apr 2018 3:51

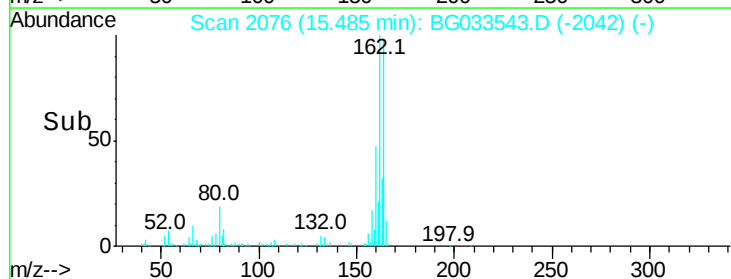
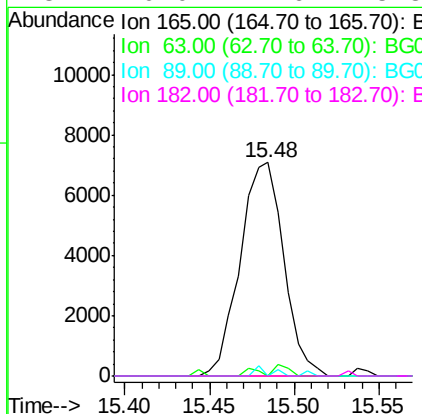
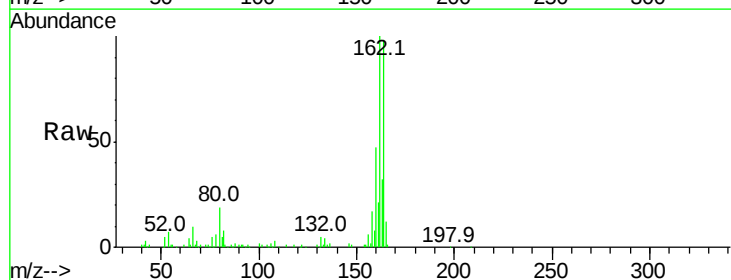
Instrument :
 BNA_G
 ClientSampleId :

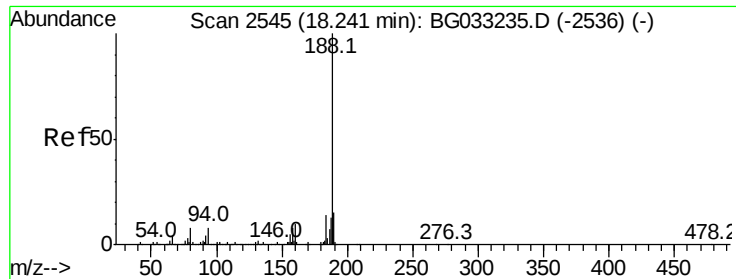
Tot Ion:165 Resp: 12714
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.471 ng
 RT: 15.48 min Scan# 2076
 Delta R.T. -0.33 min
 Lab File: BG033543.D
 Acq: 4 Apr 2018 3:51

Tgt Ion:165 Resp: 12714
 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#

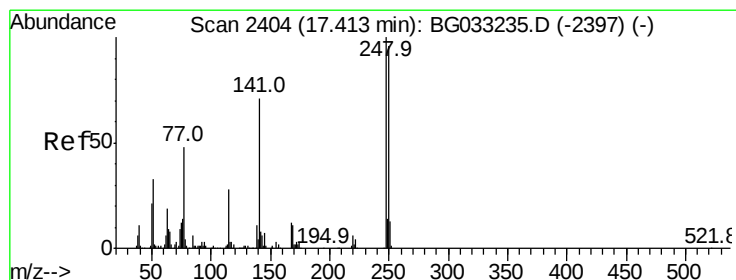
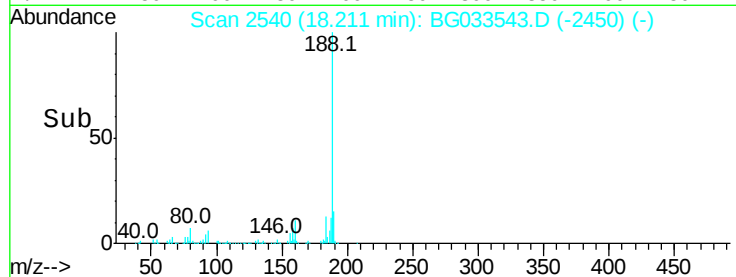
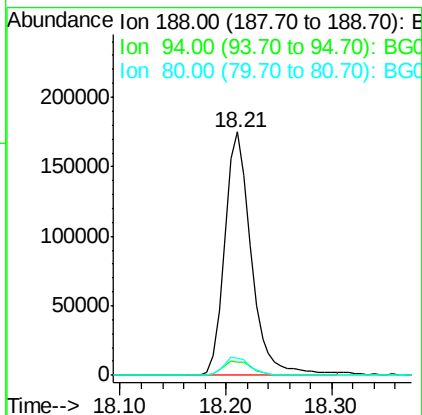
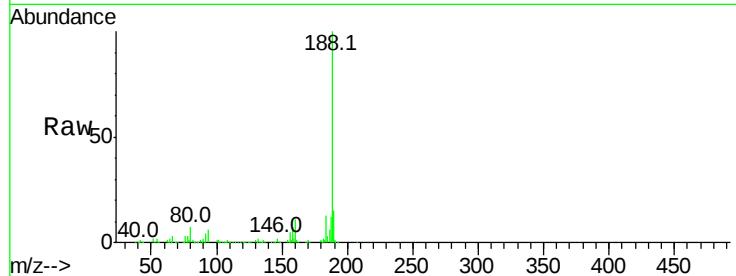




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.21 min Scan# 2540
 Delta R.T. -0.00 min
 Lab File: BG033543.D
 Acq: 4 Apr 2018 3:51

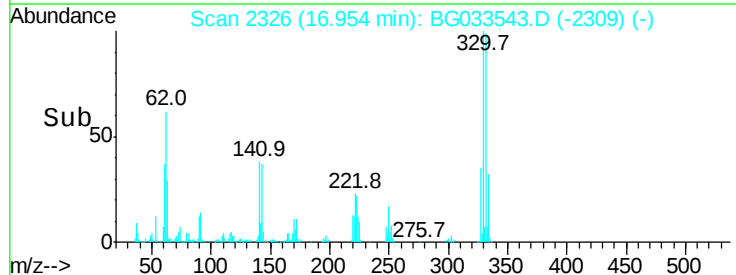
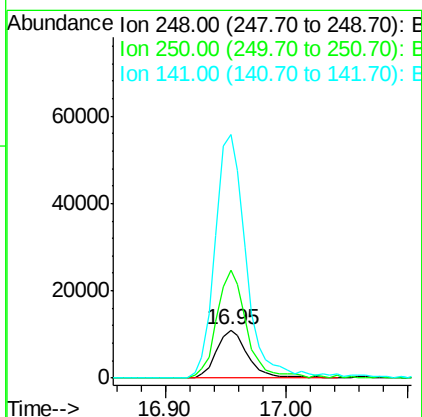
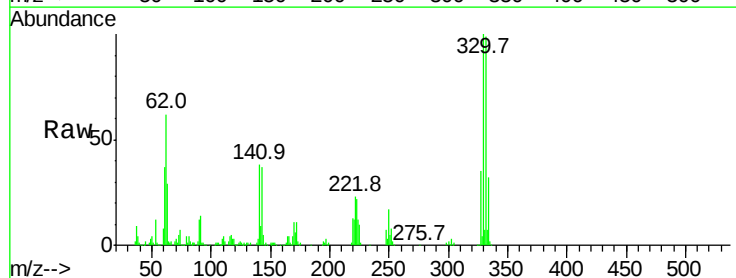
Instrument :
 BNA_G
 ClientSampleId :

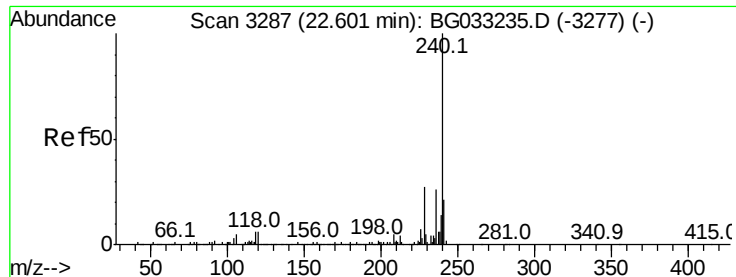
Tot Ion	Ratio	Lower	Upper
188	100		
94	5.5	6.9	10.3#
80	7.2	7.7	11.5#



#66
 4-Bromophenyl-phenylether
 Concen: 5.513 ng
 RT: 16.95 min Scan# 2326
 Delta R.T. -0.43 min
 Lab File: BG033543.D
 Acq: 4 Apr 2018 3:51

Tgt Ion	Ratio	Lower	Upper
248	100		
250	225.3	77.1	115.7#
141	509.0	50.8	76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3280

Delta R.T. 0.01 min

Lab File: BG033543.D

Acq: 4 Apr 2018 3:51

Instrument :

BNA_G

ClientSampleId :

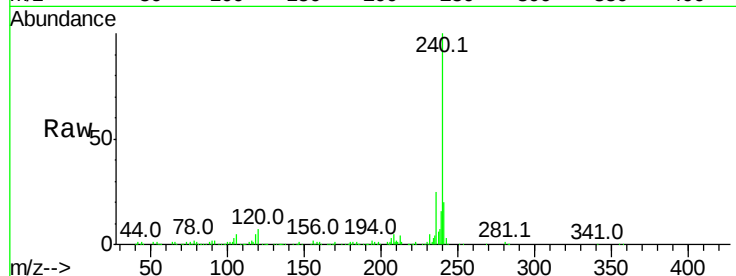
Tot Ion:240 Resp: 312900

Ion Ratio Lower Upper

240 100

120 7.1 6.8 10.2

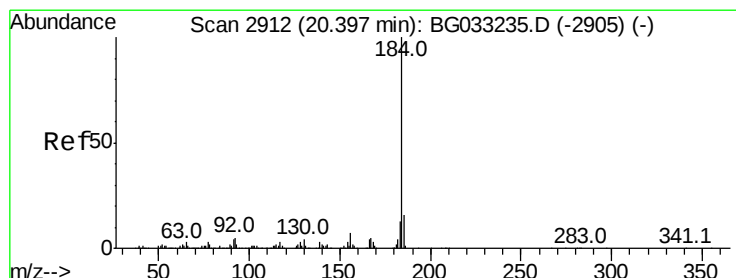
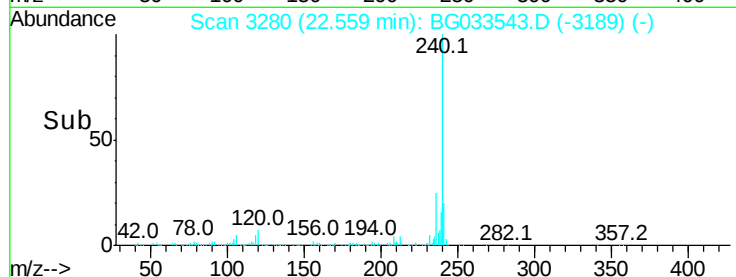
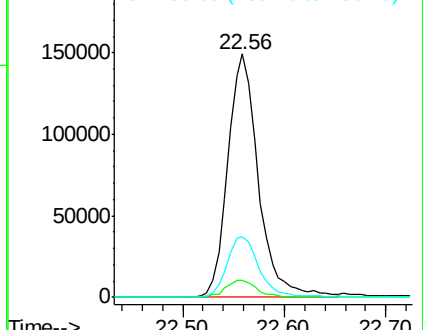
236 24.9 20.9 31.3



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: 3.328 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.36 min

Lab File: BG033543.D

Acq: 4 Apr 2018 3:51

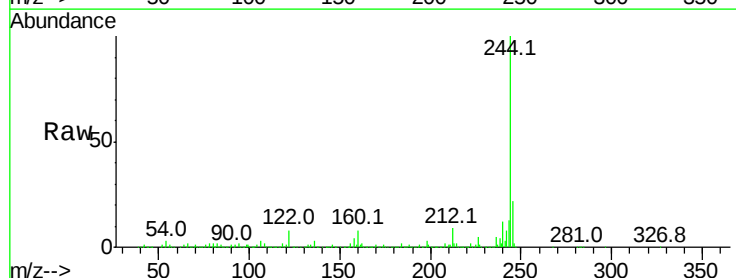
Tgt Ion:184 Resp: 28236

Ion Ratio Lower Upper

184 100

185 15.8 11.1 16.7

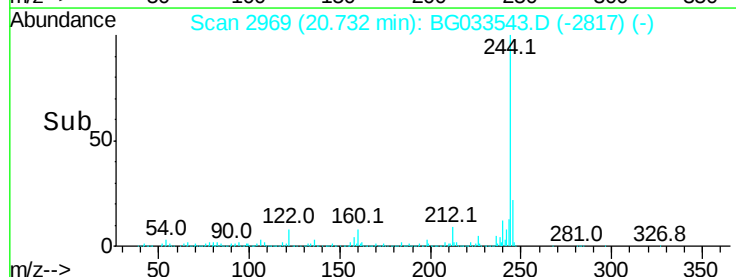
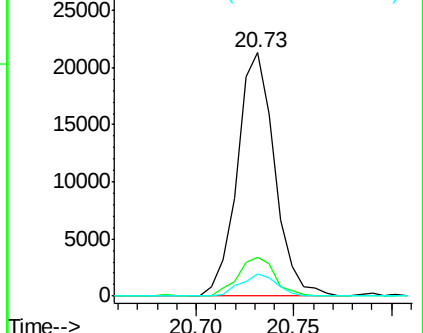
183 9.4 10.6 16.0#

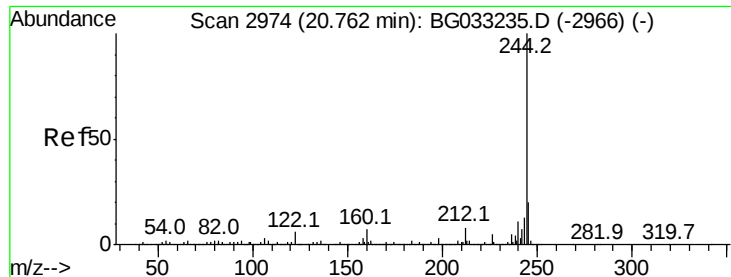


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 108.360 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG033543.D

Acq: 4 Apr 2018 3:51

Instrument :

BNA_G

ClientSampled :

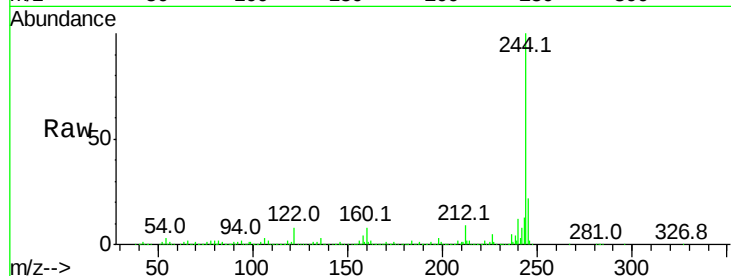
Tot Ion:244 Resp: 1585422

Ion Ratio Lower Upper

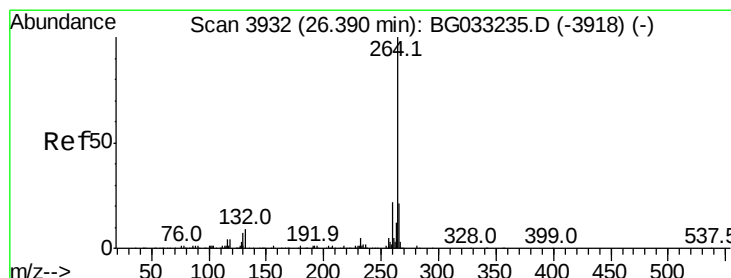
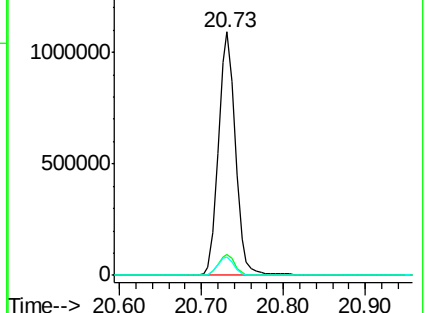
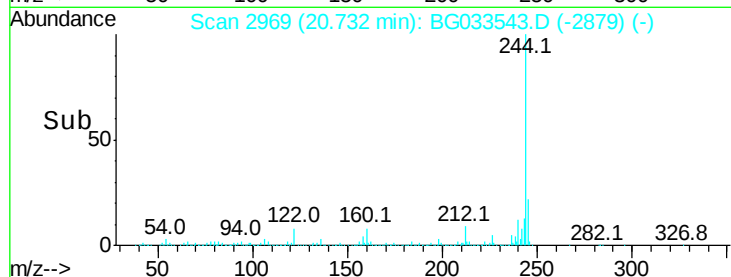
244 100

212 8.7 5.8 8.8

122 7.6 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: 26.32 min Scan# 3920

Delta R.T. -0.00 min

Lab File: BG033543.D

Acq: 4 Apr 2018 3:51

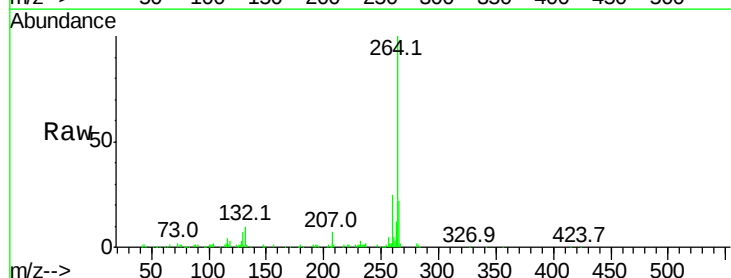
Tgt Ion:264 Resp: 307497

Ion Ratio Lower Upper

264 100

260 24.6 17.4 26.0

265 21.5 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

