

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032918\
 Data File : BG033435.D
 Acq On : 30 Mar 2018 00:36
 Operator : SJ/JU
 Sample : J2088-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 30 07:42:18 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 18:34:58 2018
 Response via : Initial Calibration

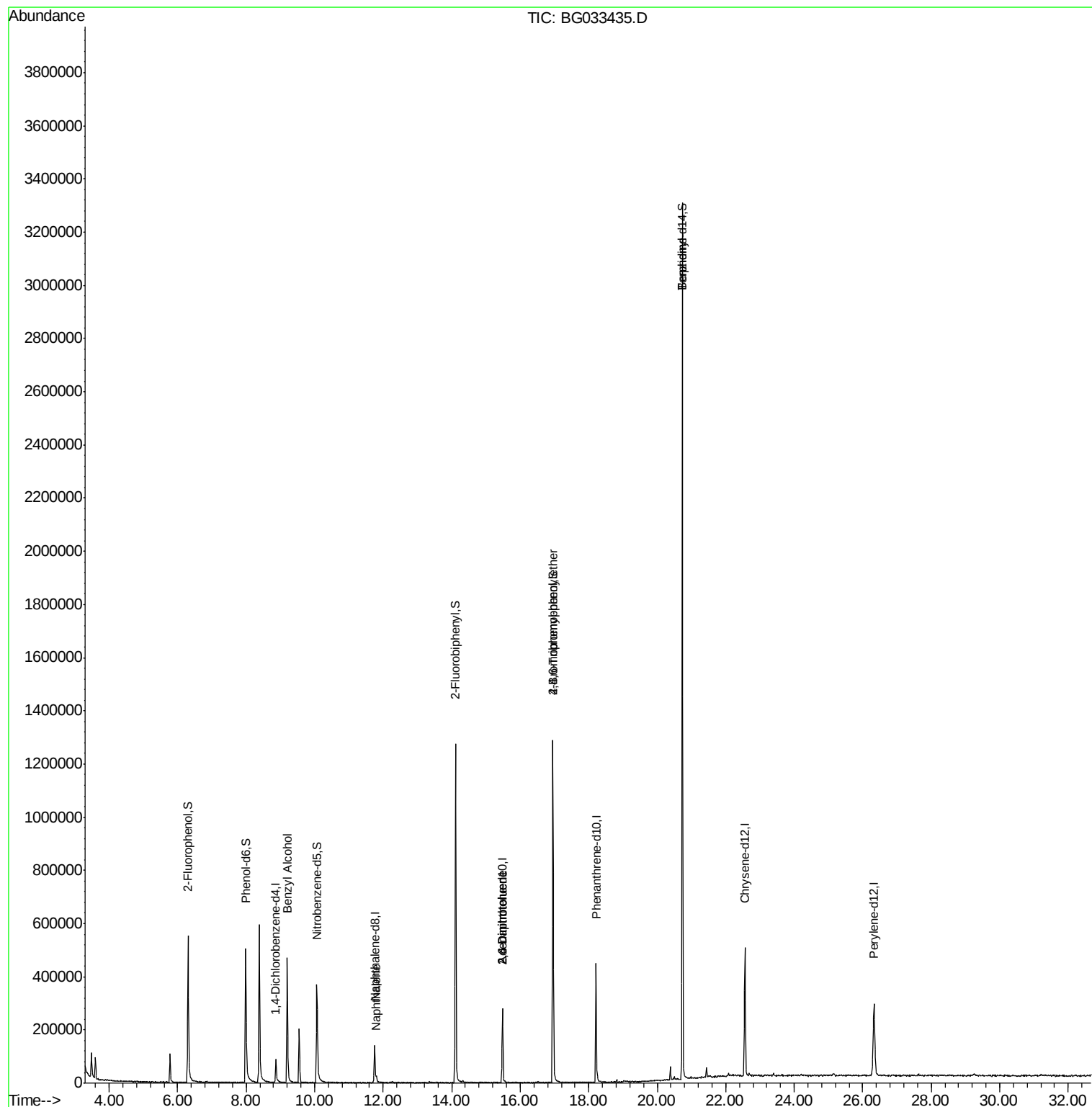
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	31926	20.00	ng	-0.01
21) Naphthalene-d8	11.75	136	132542	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	111463	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	316397	20.00	ng	0.00
75) Chrysene-d12	22.56	240	343499	20.00	ng	0.00
86) Perylene-d12	26.33	264	372271	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	263403	154.71	ng	0.01
7) Phenol-d6	7.98	99	365908	125.08	ng	0.00
23) Nitrobenzene-d5	10.06	82	300657	104.22	ng	-0.01
41) 2,4,6-Tribromophenol	16.96	330	268462	161.04	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	722685	93.60	ng	0.00
78) Terphenyl-d14	20.73	244	1593557	99.21	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.20	79	4702	2.041	ng	# 45
31) Naphthalene	11.80	128	18944	2.758	ng	# 94
50) 2,6-Dinitrotoluene	15.48	165	14398	7.259	ng	# 20
56) 2,4-Dinitrotoluene	15.48	165	14398	4.930	ng	# 17
66) 4-Bromophenyl-phenylether	16.96	248	20907	5.627	ng	# 1
76) Benzidine	20.73	184	27236	2.924	ng	# 92

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

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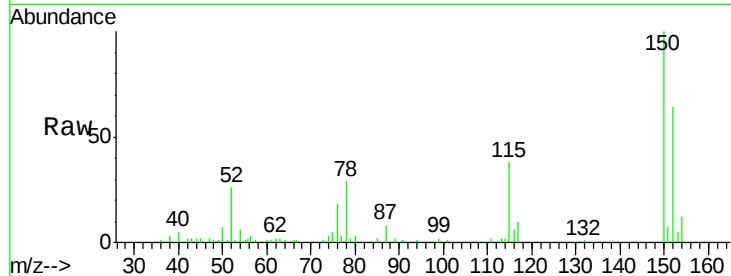


#1

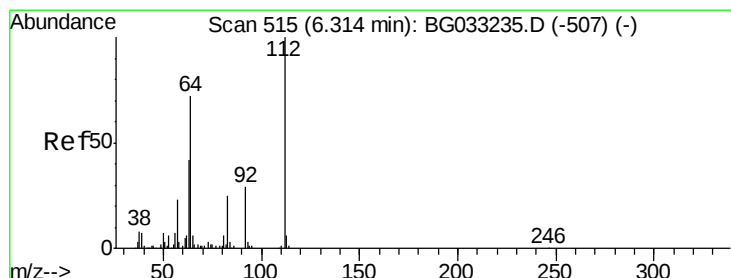
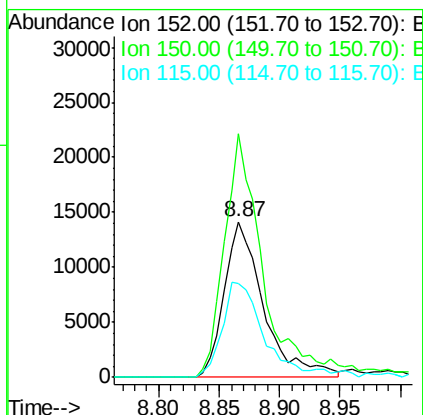
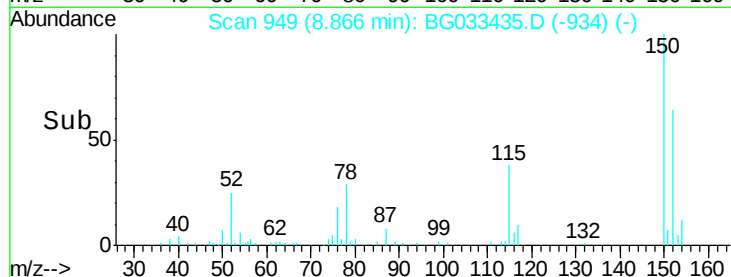
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 949
Delta R.T. -0.01 min
Lab File: BG033435.D
Acq: 30 Mar 2018 00:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 31926
Ion Ratio Lower Upper
152 100
150 156.8 126.6 189.8
115 60.1 53.0 79.4



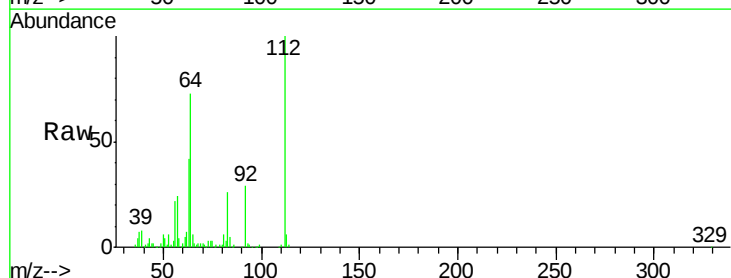
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



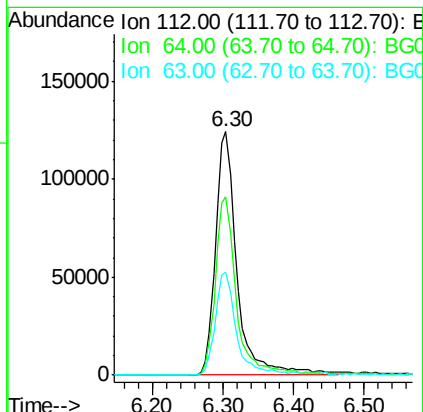
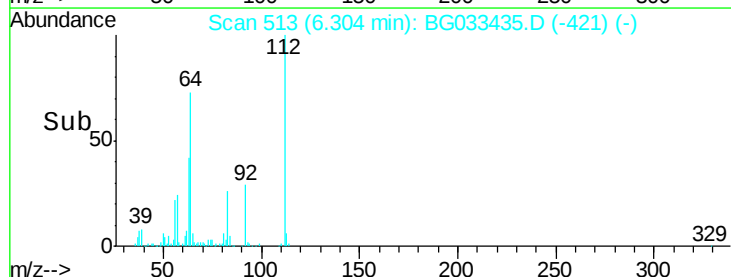
#5

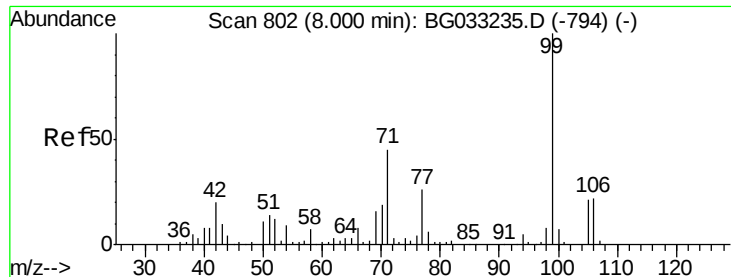
2-Fluorophenol
Concen: 154.705 ng
RT: 6.30 min Scan# 513
Delta R.T. 0.01 min
Lab File: BG033435.D
Acq: 30 Mar 2018 00:36

Tgt Ion:112 Resp: 263403
Ion Ratio Lower Upper
112 100
64 73.1 56.3 84.5
63 42.2 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: 125.078 ng

RT: 7.98 min Scan# 799

Delta R.T. 0.01 min

Lab File: BG033435.D

Acq: 30 Mar 2018 00:36

Instrument :

BNA_G

ClientSampleId :

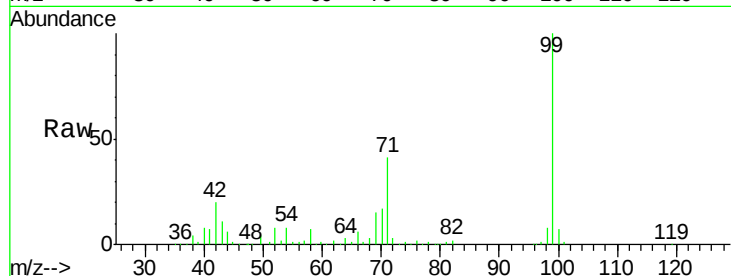
Tot Ion: 99 Resp: 365908

Ion Ratio Lower Upper

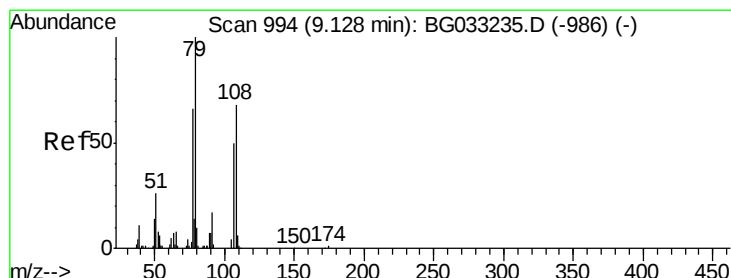
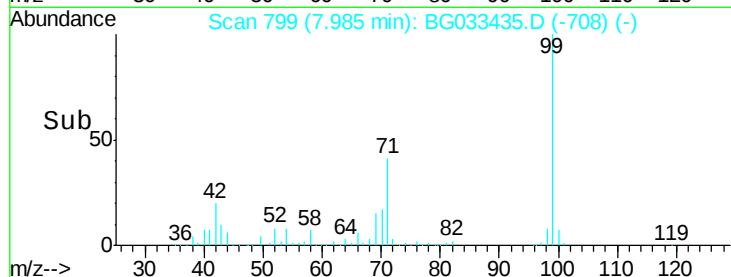
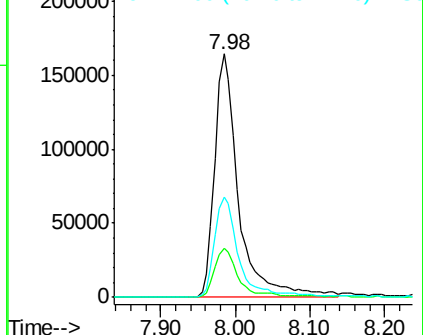
99 100

42 20.2 14.1 21.1

71 41.3 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: 2.041 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.09 min

Lab File: BG033435.D

Acq: 30 Mar 2018 00:36

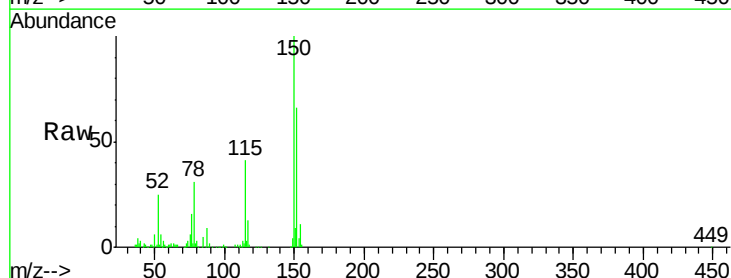
Tgt Ion: 79 Resp: 4702

Ion Ratio Lower Upper

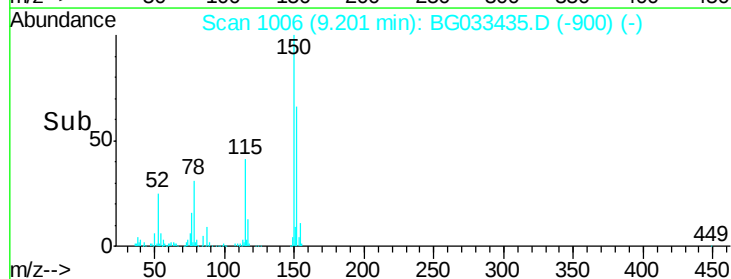
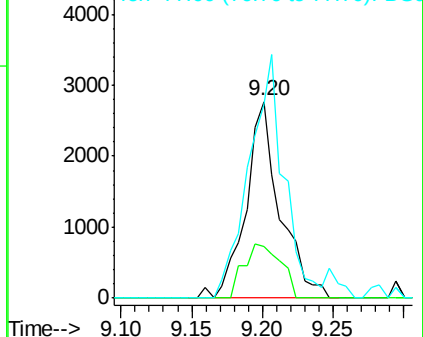
79 100

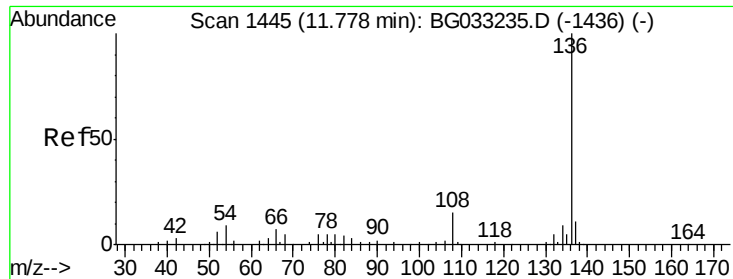
108 26.2 57.2 85.8#

77 98.7 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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.75 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BG033435.D

Acq: 30 Mar 2018 00:36

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 132542

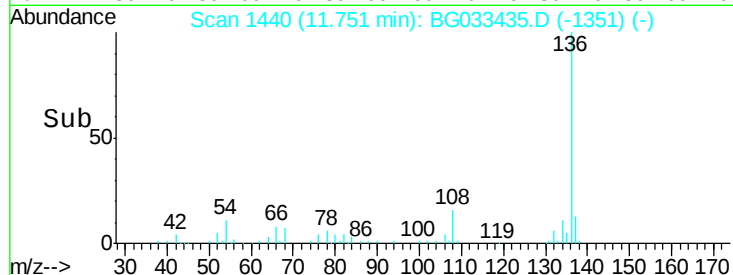
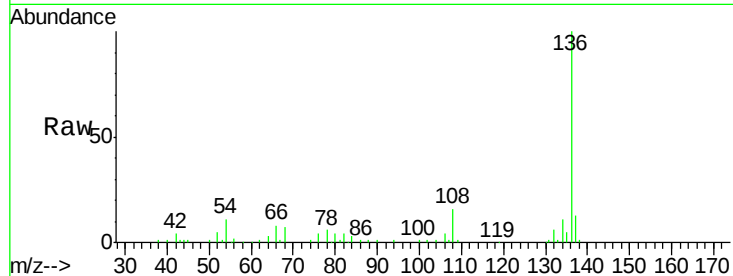
Ion Ratio Lower Upper

136 100

137 13.4 9.2 13.8

54 10.9 10.3 15.5

68 6.7 4.5 6.7#

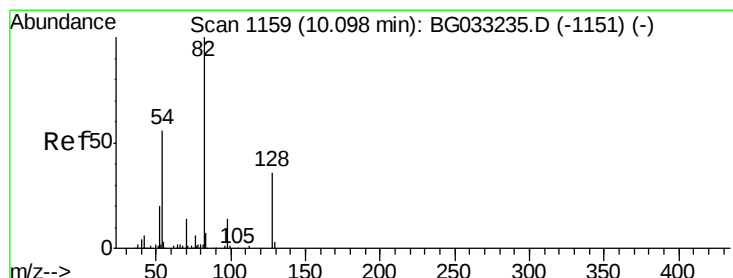
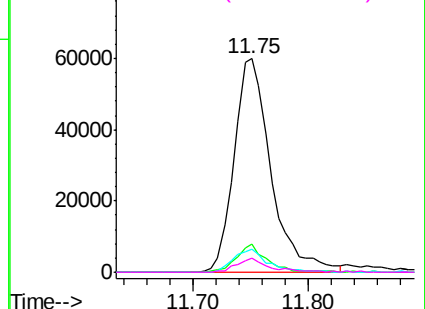


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 104.219 ng

RT: 10.06 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BG033435.D

Acq: 30 Mar 2018 00:36

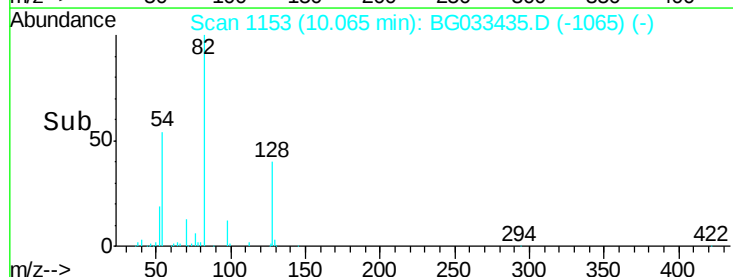
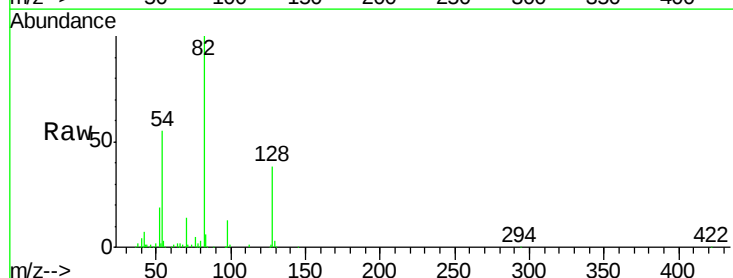
Tgt Ion: 82 Resp: 300657

Ion Ratio Lower Upper

82 100

128 37.7 29.7 44.5

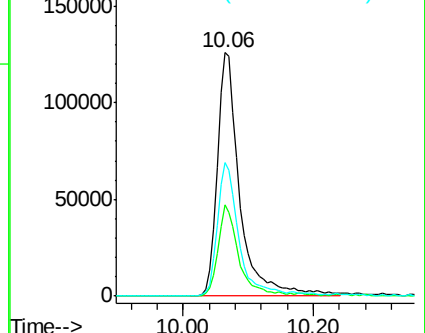
54 54.6 43.1 64.7

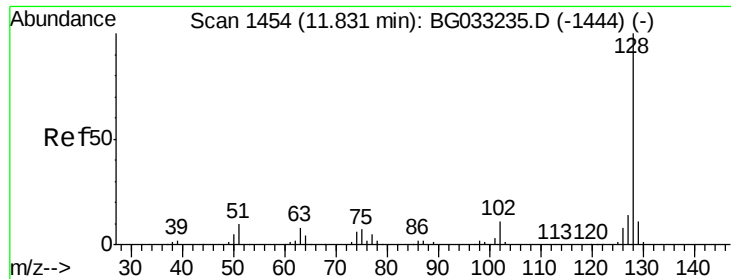


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

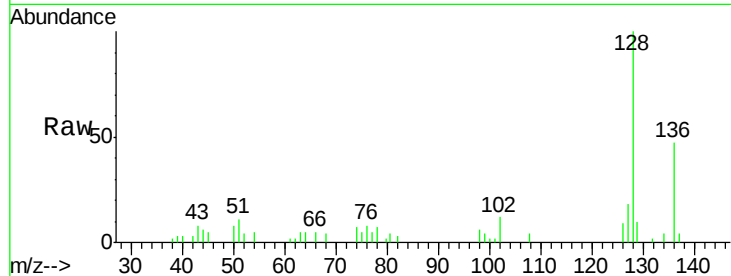




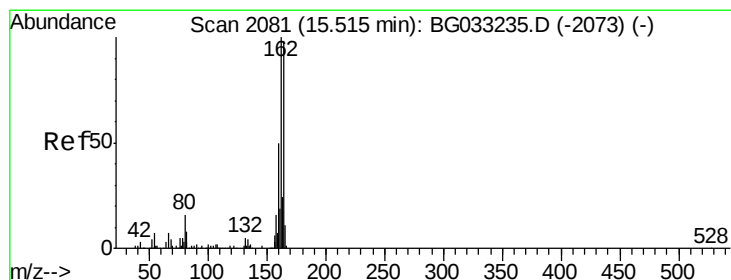
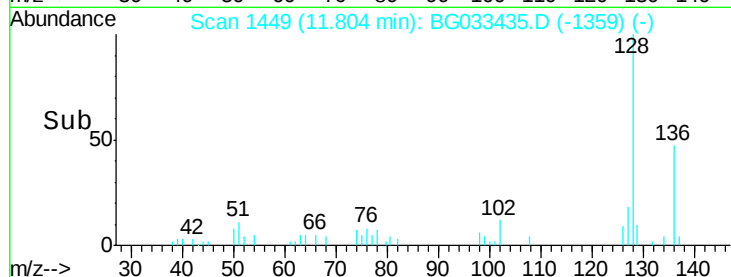
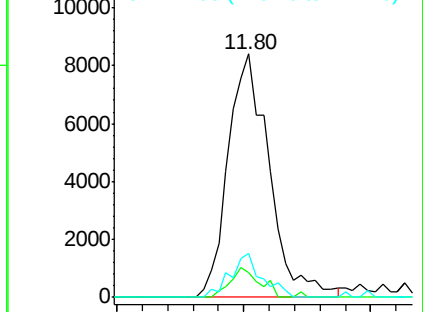
#31
Naphthalene
Concen: 2.758 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BG033435.D
Acq: 30 Mar 2018 00:36

Instrument :
BNA_G
ClientSampled :

Tot Ion:128 Resp: 18944
Ion Ratio Lower Upper
128 100
129 10.0 8.6 12.8
127 17.9 11.6 17.4#

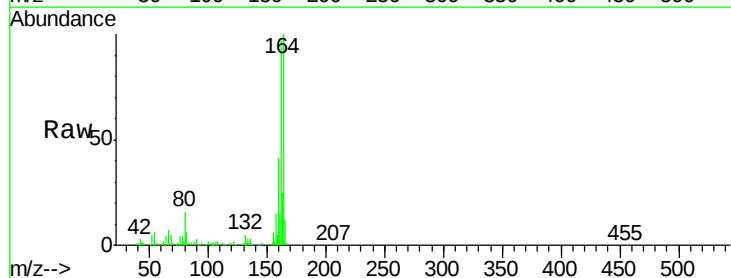


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

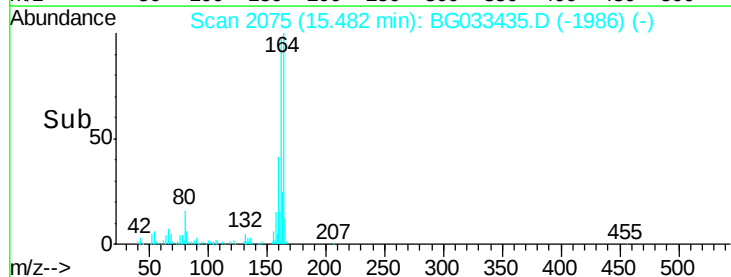
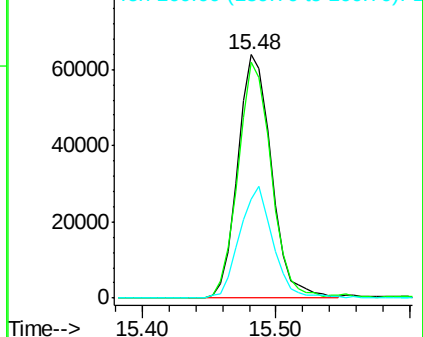


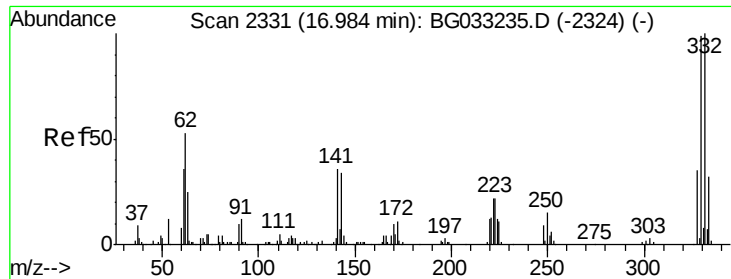
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.01 min
Lab File: BG033435.D
Acq: 30 Mar 2018 00:36

Tgt Ion:164 Resp: 111463
Ion Ratio Lower Upper
164 100
162 96.8 78.8 118.2
160 40.5 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

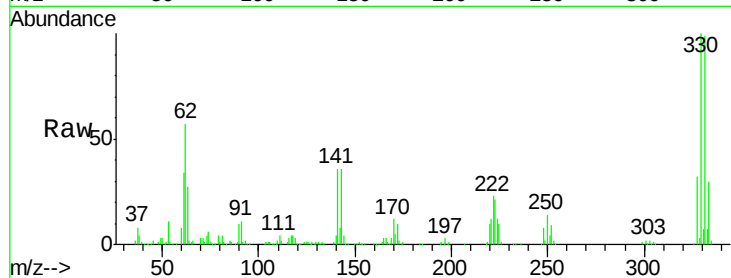




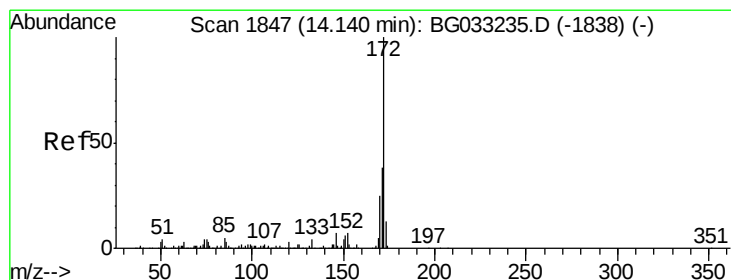
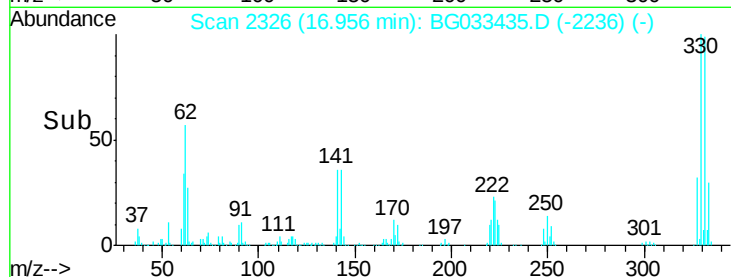
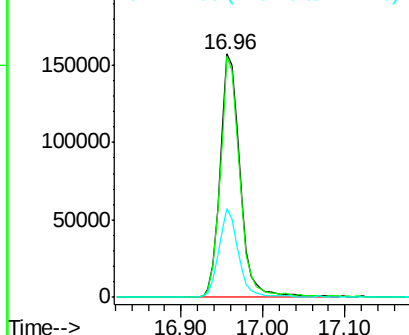
#41
 2,4,6-Tribromophenol
 Concen: 161.039 ng
 RT: 16.96 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: BG033435.D
 Acq: 30 Mar 2018 00:36

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	35.7	25.2	37.8

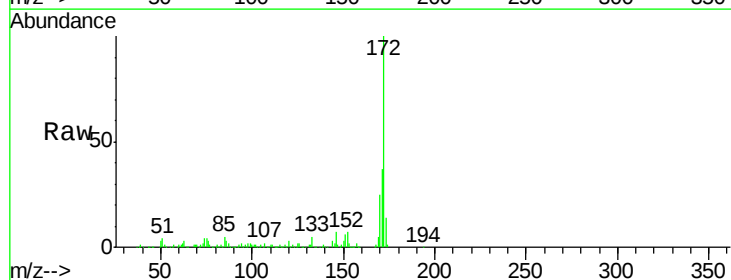


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

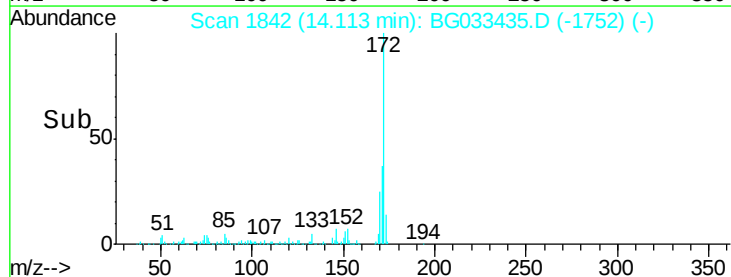
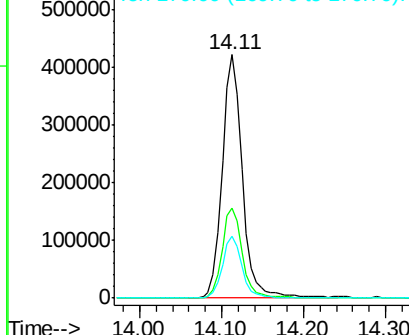


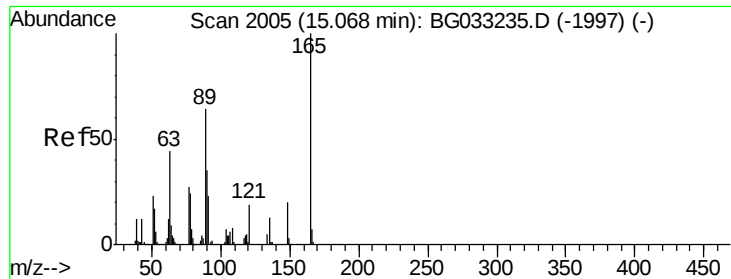
#44
 2-Fluorobiphenyl
 Concen: 93.600 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BG033435.D
 Acq: 30 Mar 2018 00:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.0	45.0
170	25.3	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

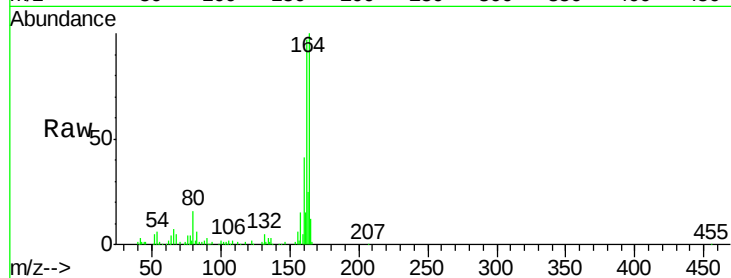




#50
2,6-Dinitrotoluene
Concen: 7.259 ng
RT: 15.48 min Scan# 2075
Delta R.T. 0.43 min
Lab File: BG033435.D
Acq: 30 Mar 2018 00:36

Instrument :
BNA_G
ClientSampleId :

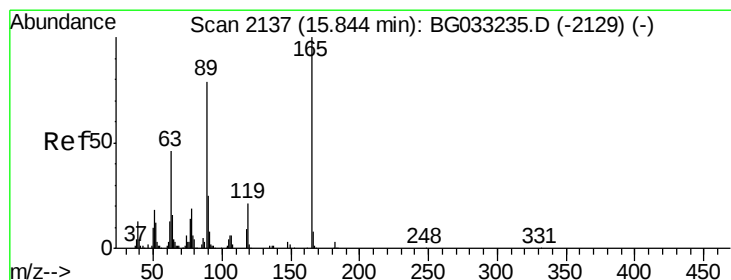
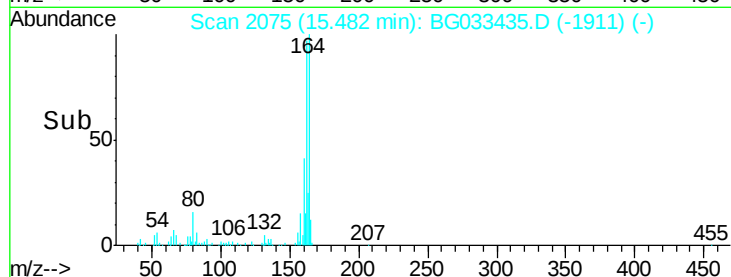
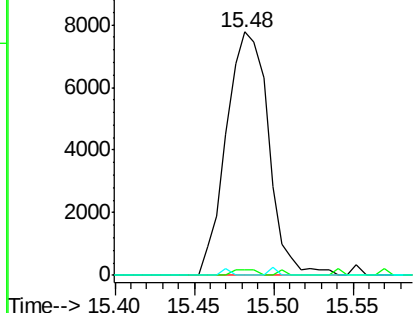
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	52.7	79.1#
89	0.0	49.2	73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56
2,4-Dinitrotoluene
Concen: 4.930 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.34 min
Lab File: BG033435.D
Acq: 30 Mar 2018 00:36

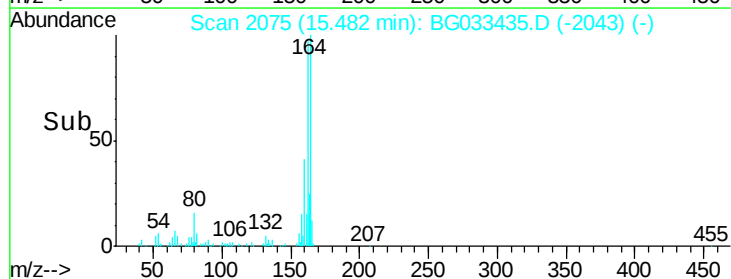
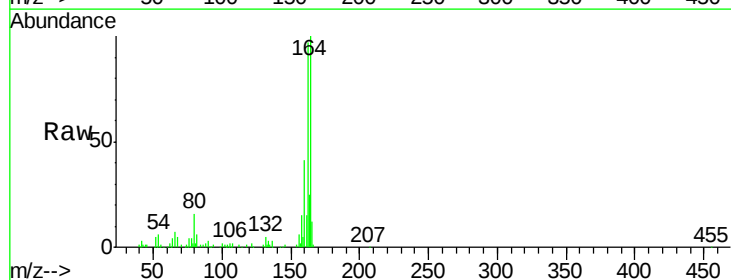
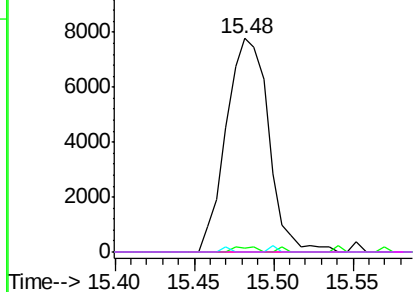
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

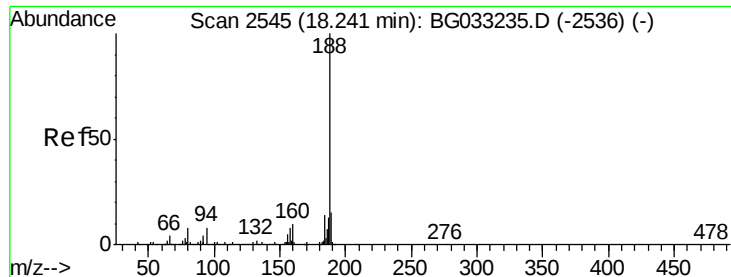
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

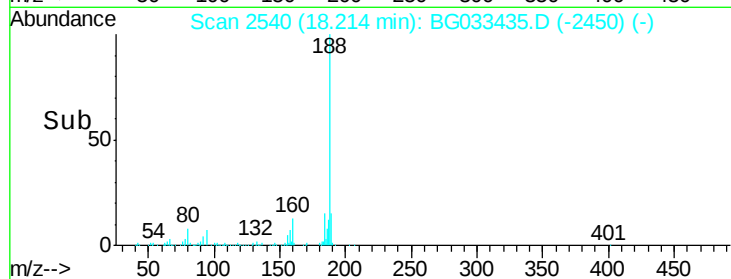
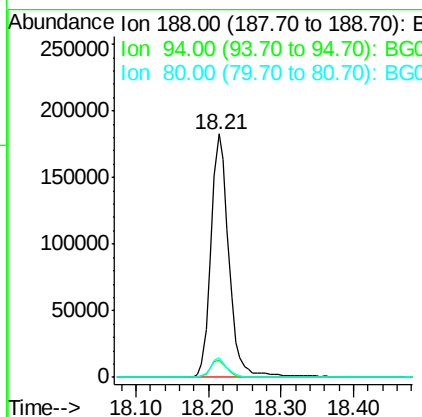
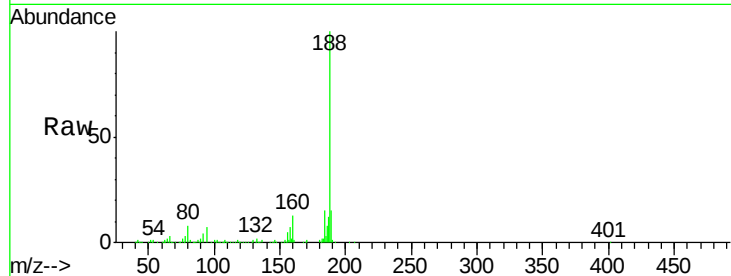




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2540
Delta R.T. -0.00 min
Lab File: BG033435.D
Acq: 30 Mar 2018 00:36

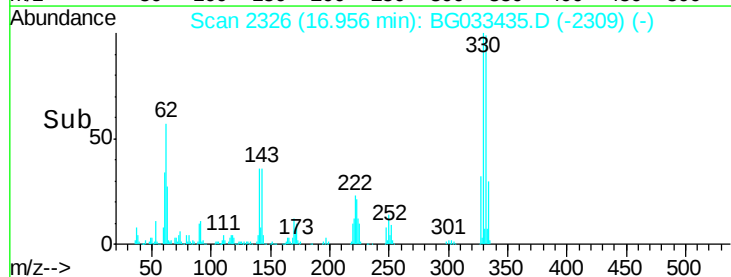
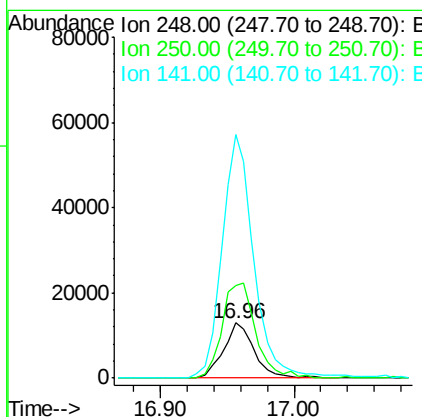
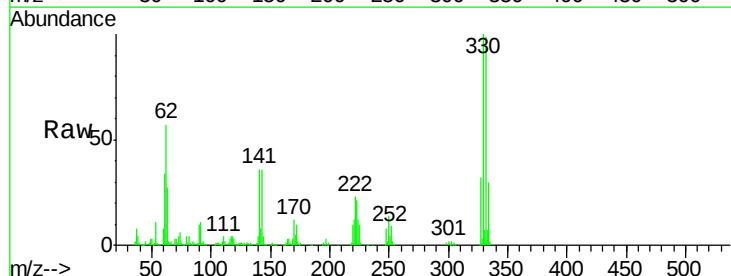
Instrument :
BNA_G
ClientSampleId :

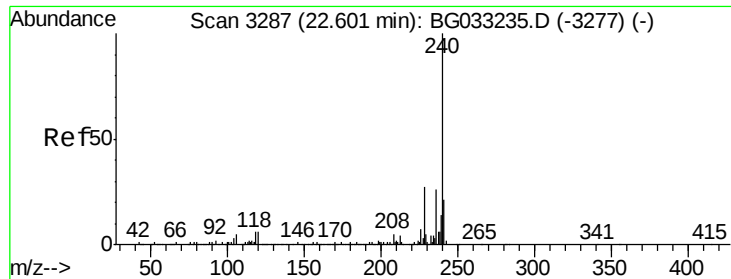
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.8	6.9	10.3#
80	7.9	7.7	11.5



#66
4-Bromophenyl-phenylether
Concen: 5.627 ng
RT: 16.96 min Scan# 2326
Delta R.T. -0.43 min
Lab File: BG033435.D
Acq: 30 Mar 2018 00:36

Tgt Ion	Ratio	Lower	Upper
248	100		
250	131.6	77.1	115.7#
141	348.3	50.8	76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BG033435.D

Acq: 30 Mar 2018 00:36

Instrument :

BNA_G

ClientSampleId :

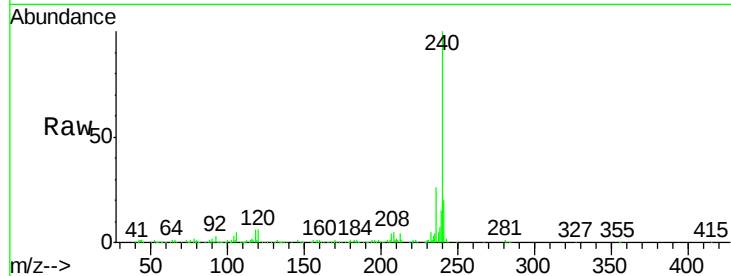
Tot Ion:240 Resp: 343499

Ion Ratio Lower Upper

240 100

120 5.7 6.8 10.2#

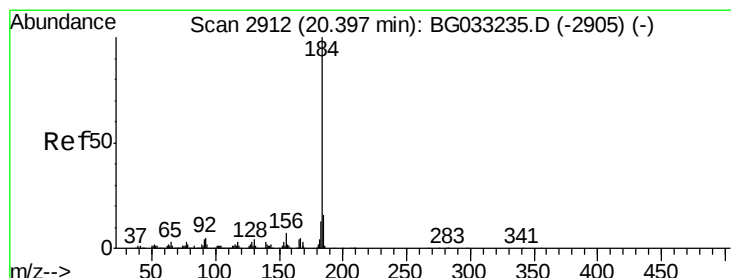
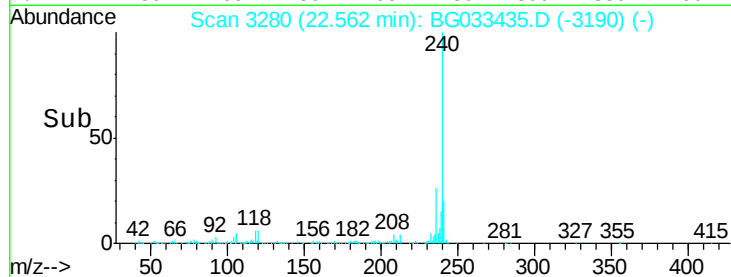
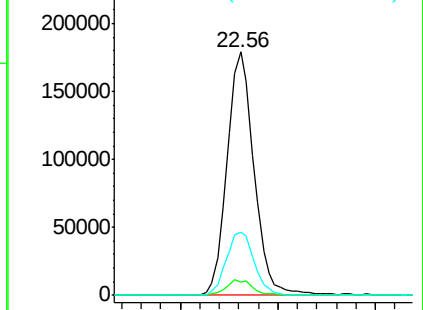
236 25.7 20.9 31.3



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: 2.924 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.36 min

Lab File: BG033435.D

Acq: 30 Mar 2018 00:36

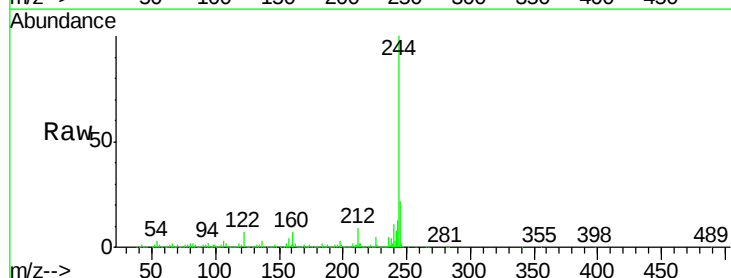
Tgt Ion:184 Resp: 27236

Ion Ratio Lower Upper

184 100

185 17.5 11.1 16.7#

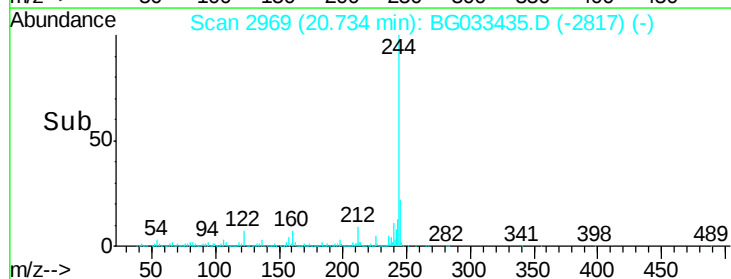
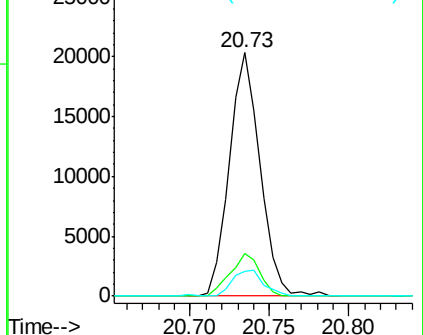
183 10.4 10.6 16.0#

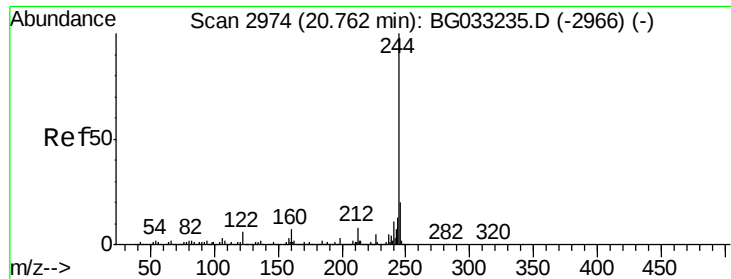


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 99.214 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG033435.D

Acq: 30 Mar 2018 00:36

Instrument :

BNA_G

ClientSampleId :

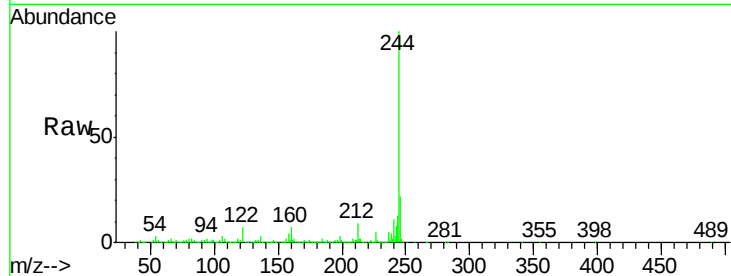
Tot Ion:244 Resp: 1593557

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

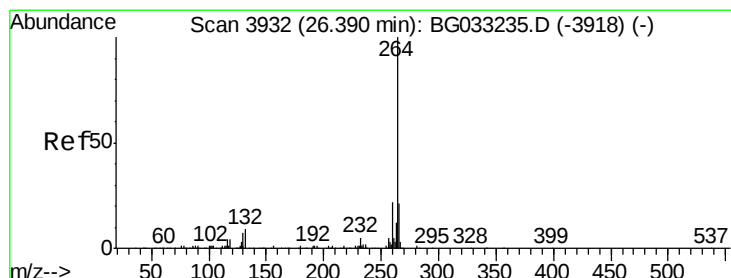
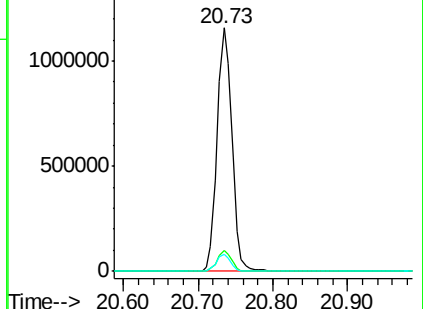
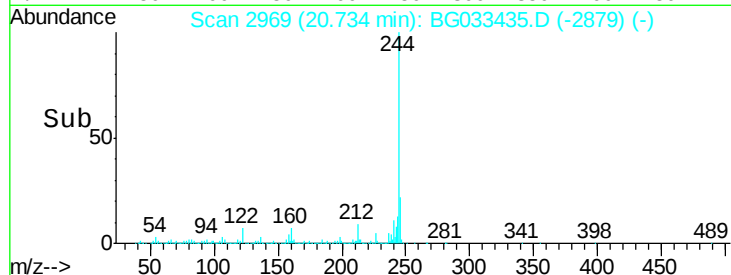
122 6.9 7.0 10.4#



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: 26.33 min Scan# 3922

Delta R.T. -0.00 min

Lab File: BG033435.D

Acq: 30 Mar 2018 00:36

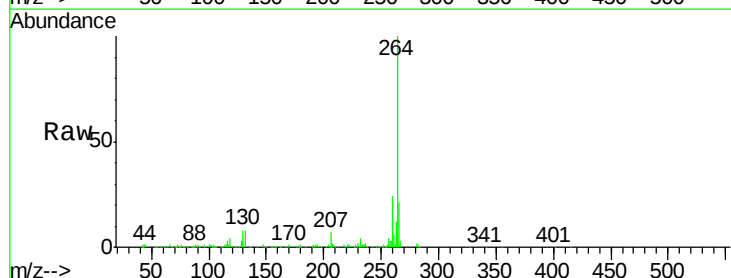
Tgt Ion:264 Resp: 372271

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

265 21.4 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

