

Data Path : Z:\HPCHEM1\BNA G\DATA\BG113017\
 Data File : BG031311.D
 Acq On : 1 Dec 2017 5:51
 Operator : SJ/JU
 Sample : I6636-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 01 07:28:56 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 10 15:38:25 2017
 Response via : Initial Calibration

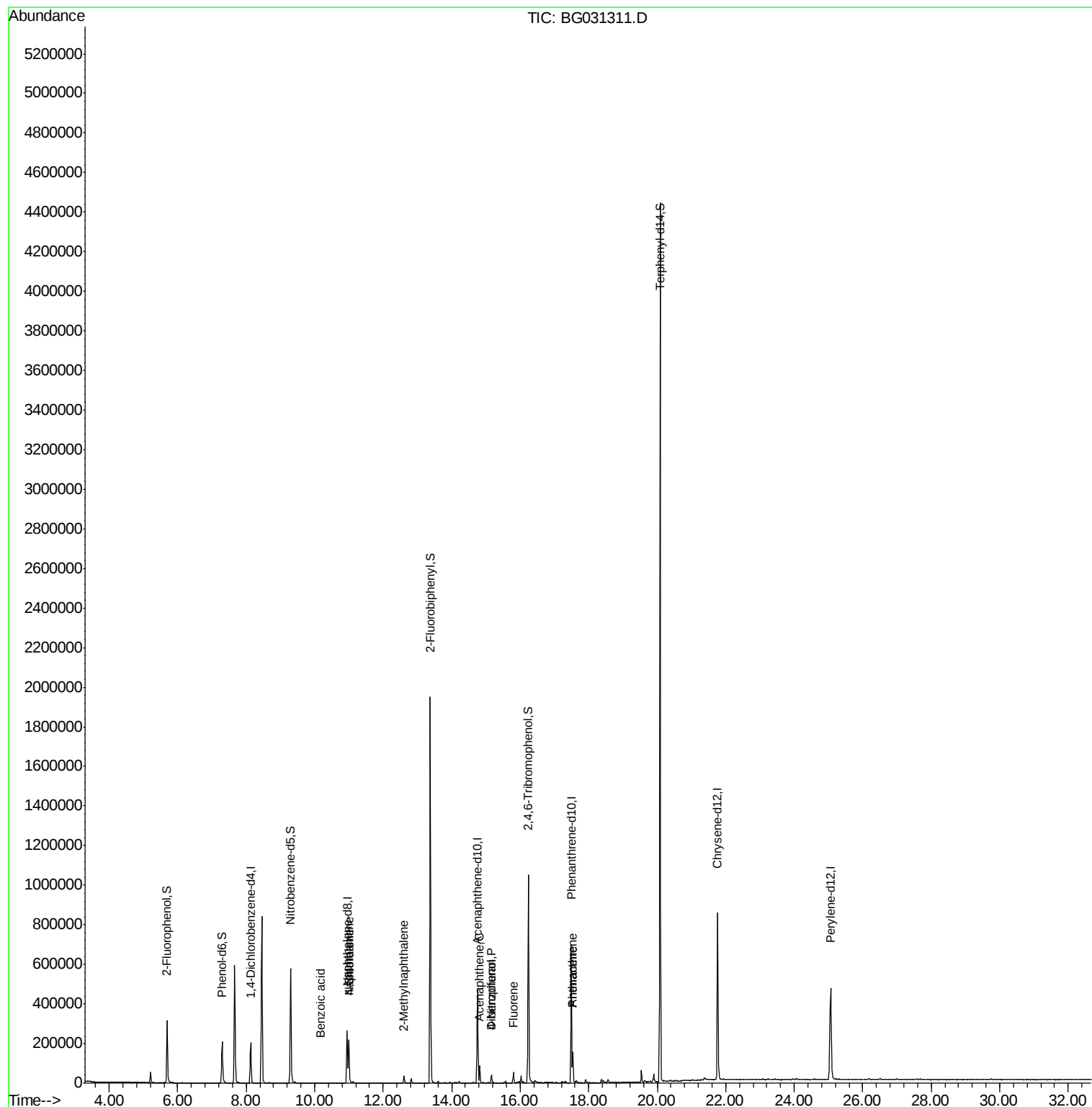
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	65404	20.00	ng	-0.03
21) Naphthalene-d8	10.95	136	271066	20.00	ng	-0.02
38) Acenaphthene-d10	14.75	164	177242	20.00	ng	-0.02
63) Phenanthrene-d10	17.49	188	476975	20.00	ng	-0.02
75) Chrysene-d12	21.76	240	560048	20.00	ng	-0.02
86) Perylene-d12	25.06	264	542883	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	175317	45.96	ng	-0.02
7) Phenol-d6	7.30	99	154930	30.15	ng	0.00
23) Nitrobenzene-d5	9.30	82	397972	87.00	ng	-0.02
41) 2,4,6-Tribromophenol	16.24	330	233428	81.41	ng	-0.02
44) 2-Fluorobiphenyl	13.37	172	1177959	95.50	ng	-0.03
78) Terphenyl-d14	20.08	244	2027475	79.94	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	11.00	128	214768	16.12	ng	97
32) Benzoic acid	10.18	122	478	5.80	ng	# 1
33) 4-Chloroaniline	10.99	127	28628	4.91	ng	# 34
37) 2-Methylnaphthalene	12.60	142	23316	2.27	ng	96
51) Acenaphthene	14.82	154	36437	3.36	ng	96
54) Dibenzofuran	15.16	168	37772	2.19	ng	94
55) 4-Nitrophenol	15.16	139	11694	4.89	ng	# 1
57) Fluorene	15.80	166	30071	2.15	ng	87
70) Phenanthrene	17.54	178	109448	4.41	ng	98
71) Anthracene	17.54	178	109448	4.40	ng	98

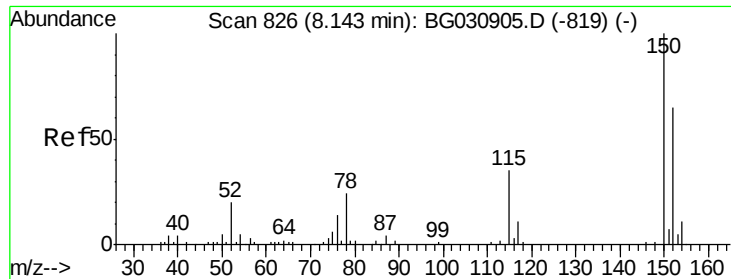
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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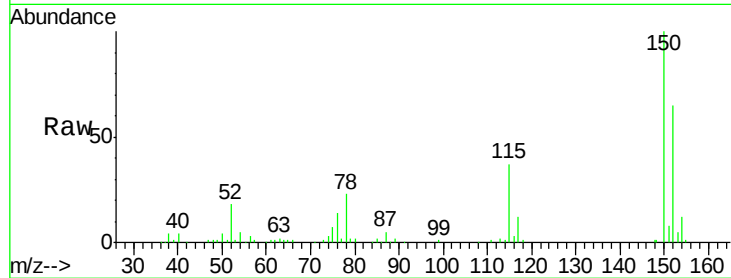


#1

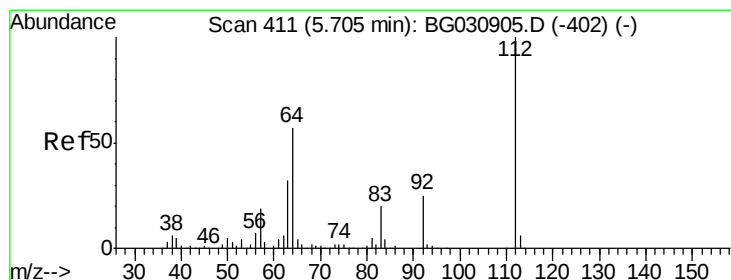
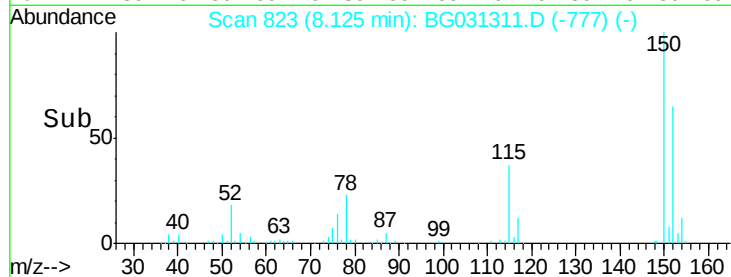
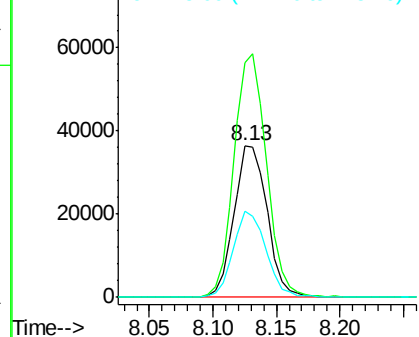
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.13 min Scan# 823
Delta R.T. -0.03 min
Lab File: BG031311.D
Acq: 1 Dec 2017 5:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 65404
Ion Ratio Lower Upper
152 100
150 154.6 126.6 189.8
115 56.7 53.0 79.4



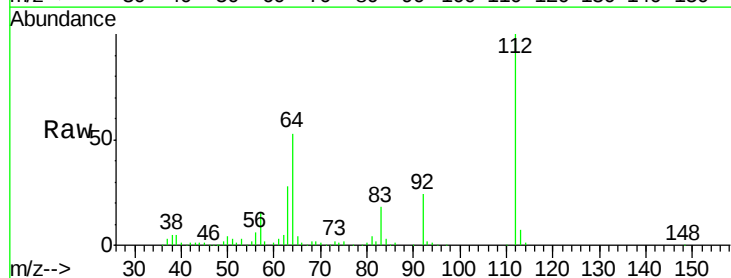
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



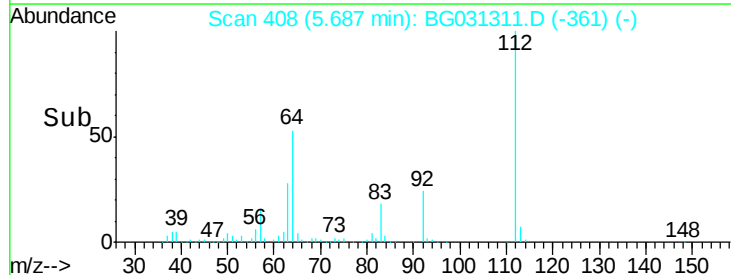
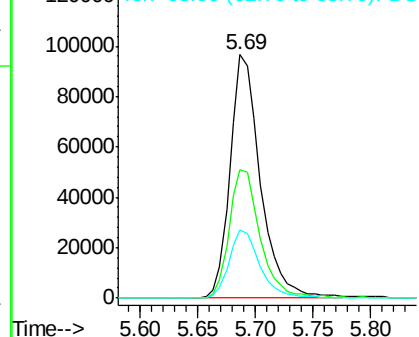
#5

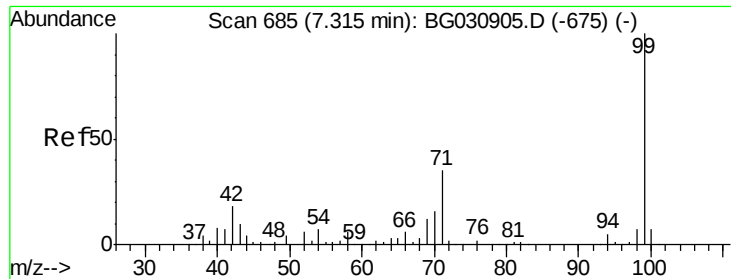
2-Fluorophenol
Concen: 45.96 ng
RT: 5.69 min Scan# 408
Delta R.T. -0.02 min
Lab File: BG031311.D
Acq: 1 Dec 2017 5:51

Tgt Ion:112 Resp: 175317
Ion Ratio Lower Upper
112 100
64 52.9 56.3 84.5#
63 28.2 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: 30.15 ng

RT: 7.30 min Scan# 682

Delta R.T. -0.01 min

Lab File: BG031311.D

Acq: 1 Dec 2017 5:51

Instrument :

BNA_G

ClientSampleId :

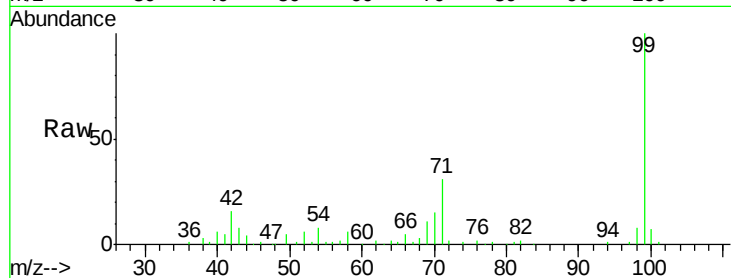
Tot Ion: 99 Resp: 154930

Ion Ratio Lower Upper

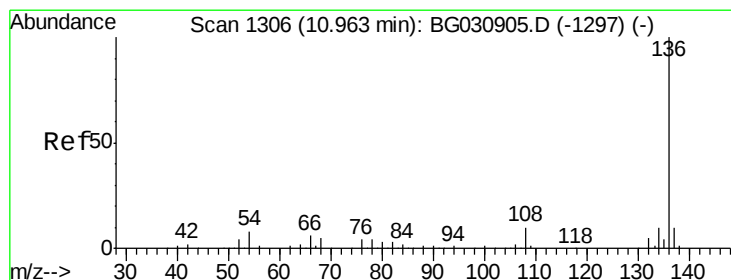
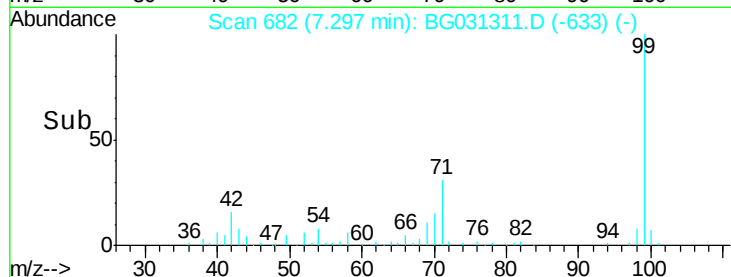
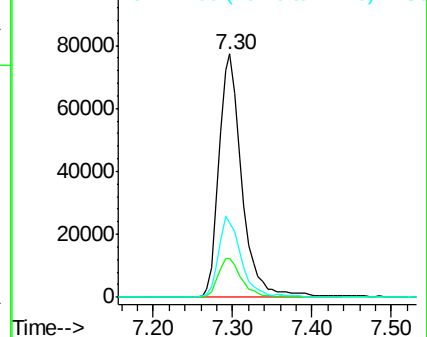
99 100

42 15.9 14.1 21.1

71 30.7 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.95 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BG031311.D

Acq: 1 Dec 2017 5:51

Tgt Ion: 136 Resp: 271066

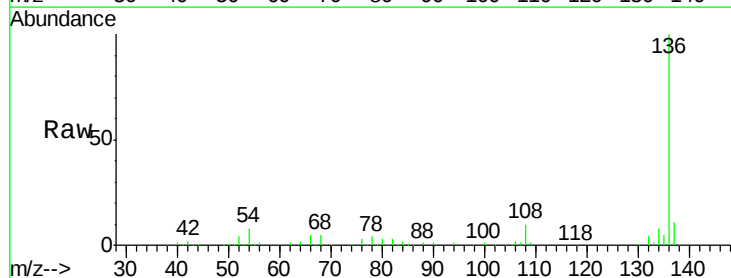
Ion Ratio Lower Upper

136 100

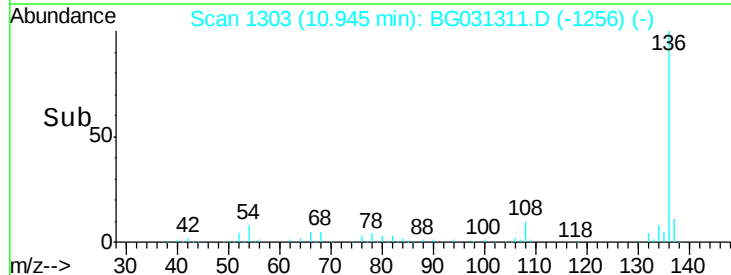
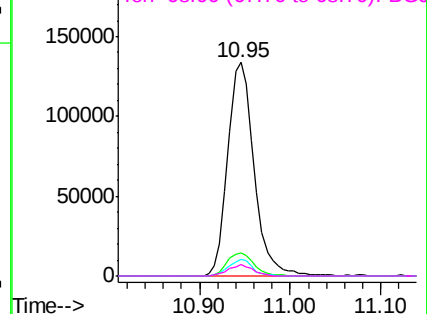
137 11.0 9.2 13.8

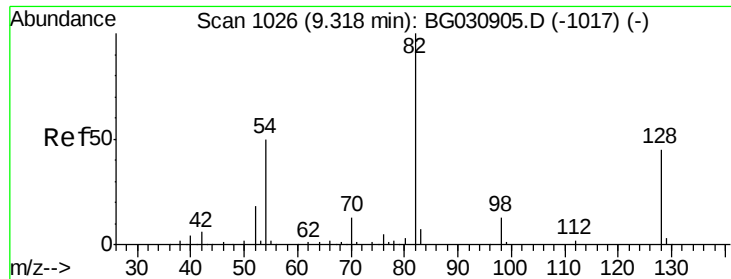
54 7.7 10.3 15.5#

68 5.3 4.5 6.7



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

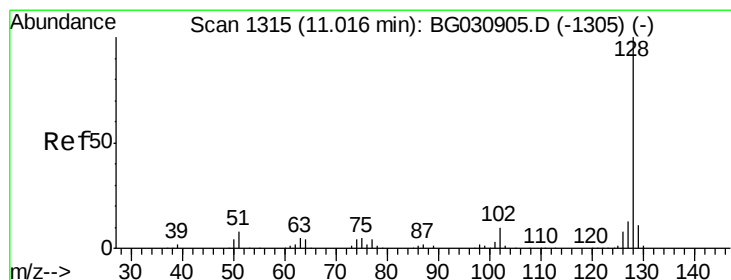
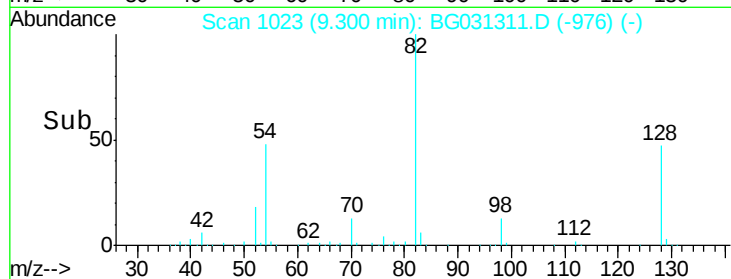
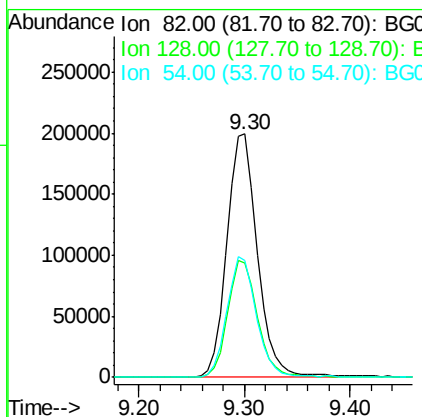
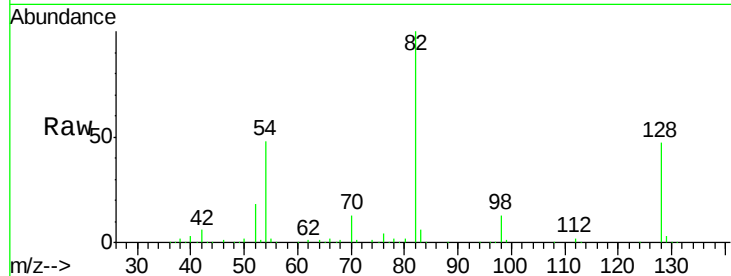




#23
Nitrobenzene-d5
Concen: 87.00 ng
RT: 9.30 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BG031311.D
Acq: 1 Dec 2017 5:51

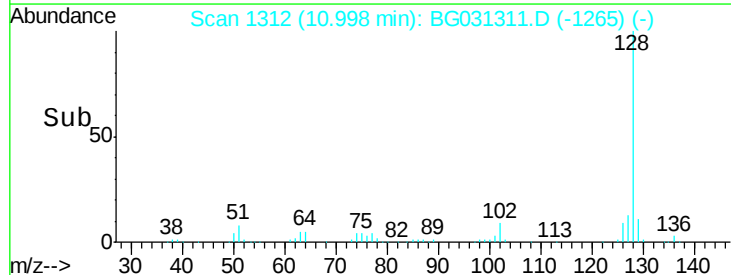
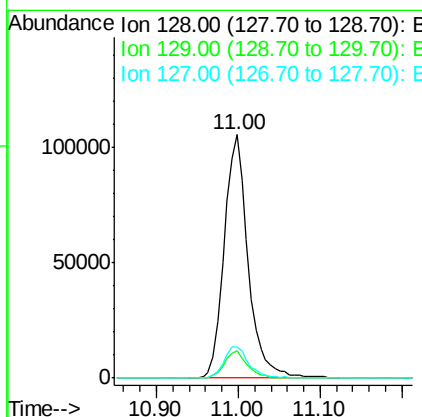
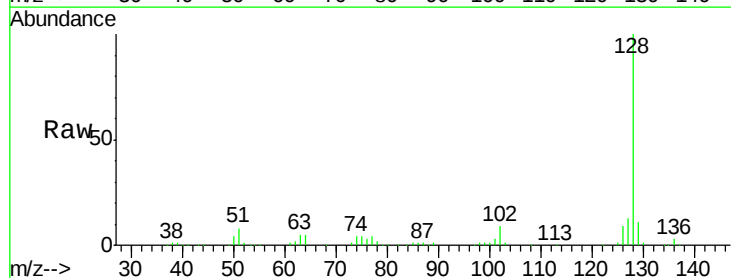
Instrument :
BNA_G
ClientSampleId :

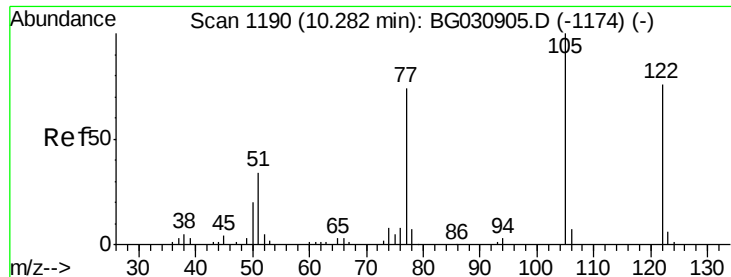
Tot Ion	82	Resp	397972
Ion Ratio	Lower	Upper	
82	100		
128	47.1	29.7	44.5#
54	48.2	43.1	64.7



#31
Naphthalene
Concen: 16.12 ng
RT: 11.00 min Scan# 1312
Delta R.T. -0.02 min
Lab File: BG031311.D
Acq: 1 Dec 2017 5:51

Tgt Ion	128	Resp	214768
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.6	12.8
127	12.6	11.6	17.4





#32

Benzoic acid

Concen: 5.80 ng

RT: 10.18 min Scan# 1172

Delta R.T. -0.09 min

Lab File: BG031311.D

Acq: 1 Dec 2017 5:51

Instrument :

BNA_G

ClientSampled :

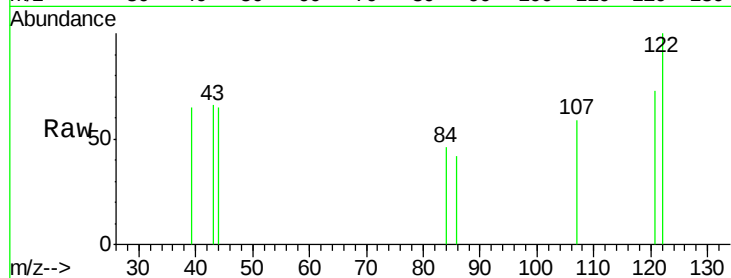
Tot Ion:122 Resp: 478

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

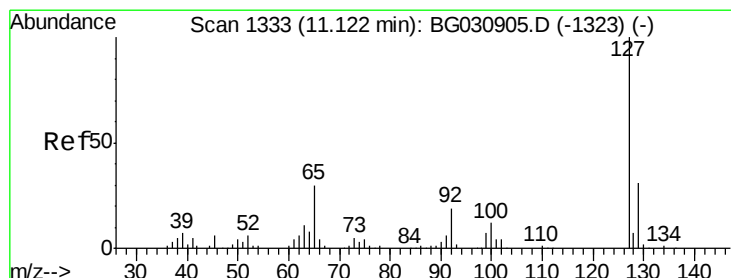
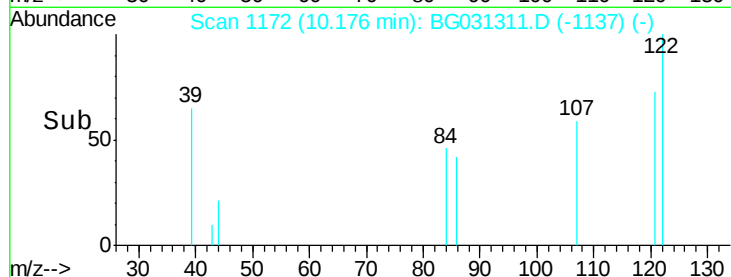
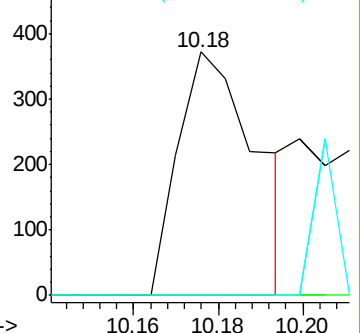
77 0.0 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#33

4-Chloroaniline

Concen: 4.91 ng

RT: 10.99 min Scan# 1311

Delta R.T. -0.13 min

Lab File: BG031311.D

Acq: 1 Dec 2017 5:51

Tgt Ion:127 Resp: 28628

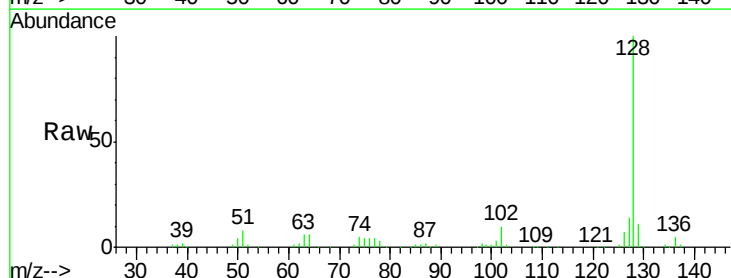
Ion Ratio Lower Upper

127 100

129 78.8 24.0 36.0#

65 0.0 27.0 40.4#

92 0.0 16.6 25.0#

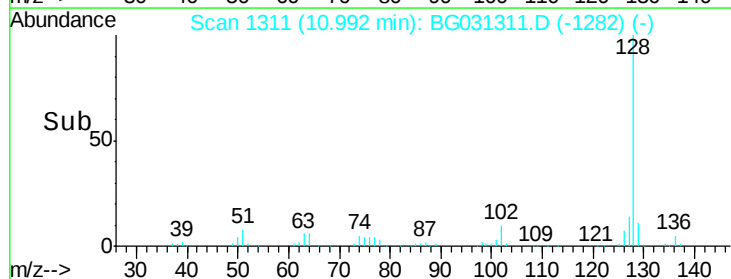
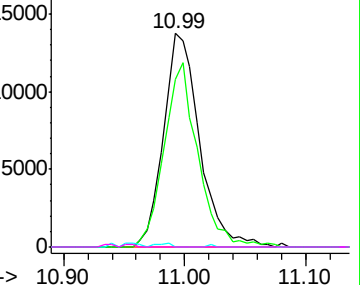


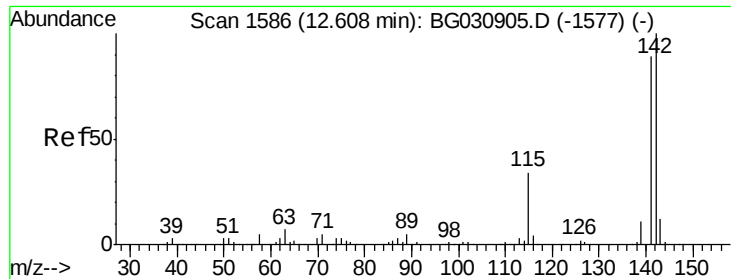
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

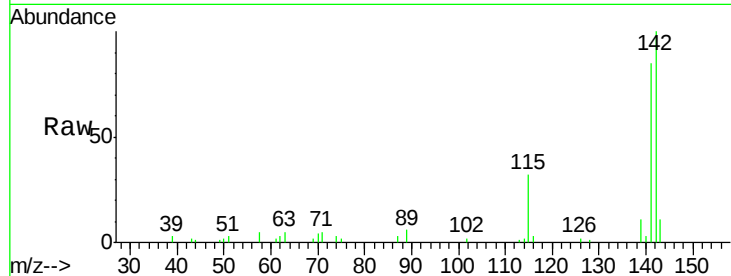




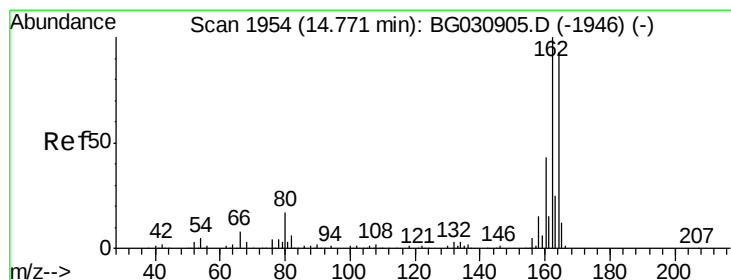
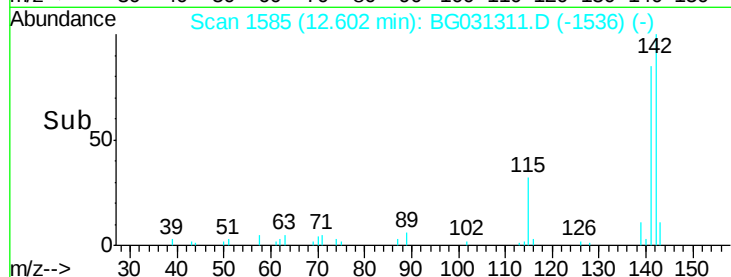
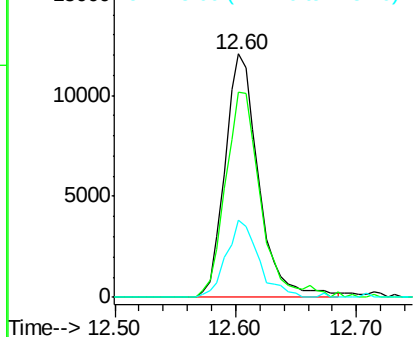
#37
2-Methylnaphthalene
Concen: 2.27 ng
RT: 12.60 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BG031311.D
Acq: 1 Dec 2017 5:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:142 Resp: 23316
Ion Ratio Lower Upper
142 100
141 84.5 67.1 100.7
115 31.8 30.7 46.1

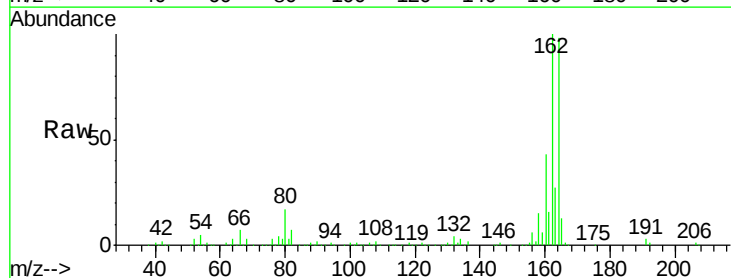


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

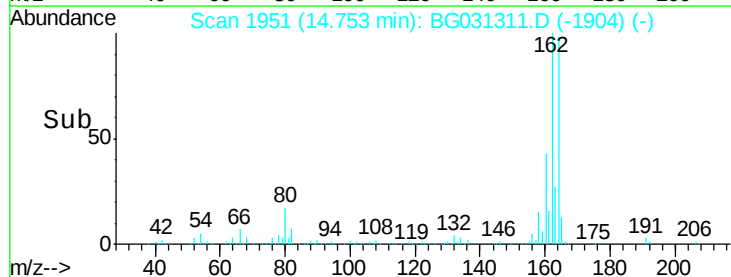
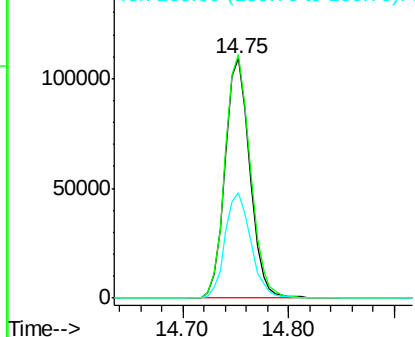


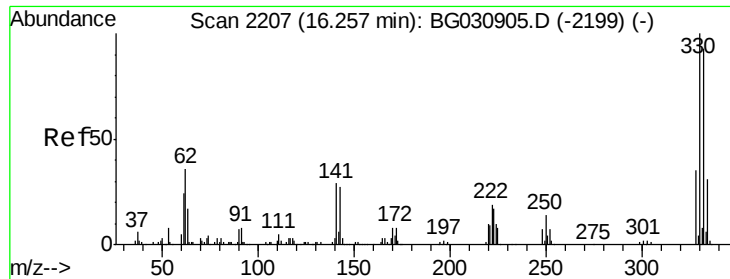
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 1951
Delta R.T. -0.02 min
Lab File: BG031311.D
Acq: 1 Dec 2017 5:51

Tgt Ion:164 Resp: 177242
Ion Ratio Lower Upper
164 100
162 101.6 78.8 118.2
160 44.1 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

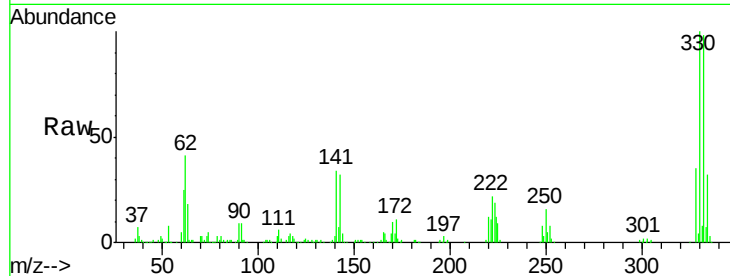




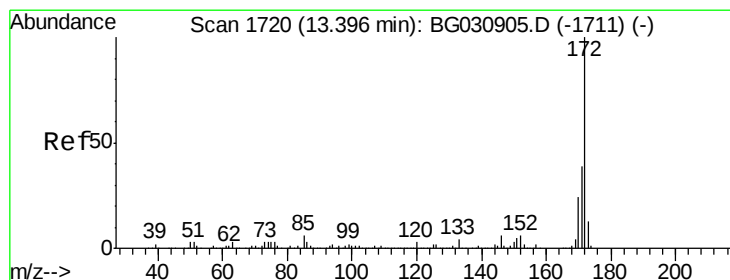
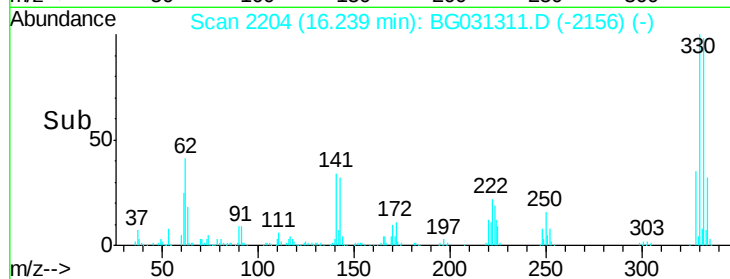
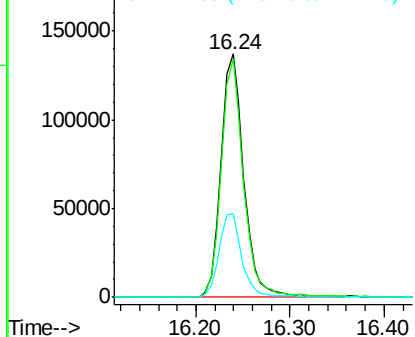
#41
 2,4,6-Tribromophenol
 Concen: 81.41 ng
 RT: 16.24 min Scan# 2204
 Delta R.T. -0.02 min
 Lab File: BG031311.D
 Acq: 1 Dec 2017 5:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 233428
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 34.6 25.2 37.8

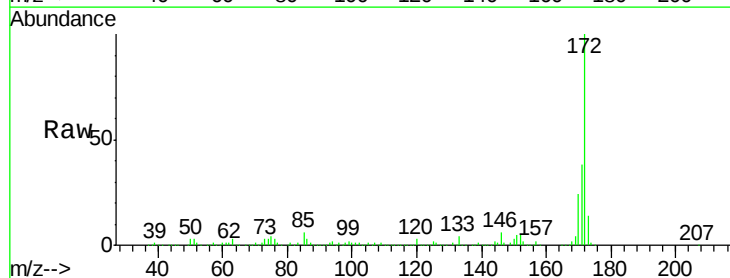


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

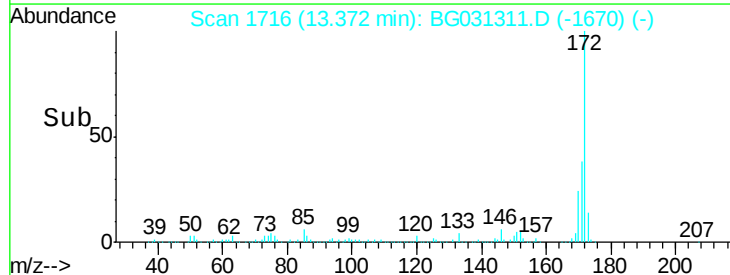
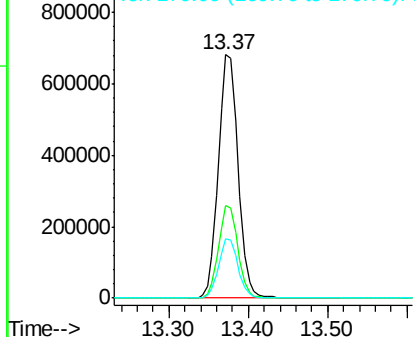


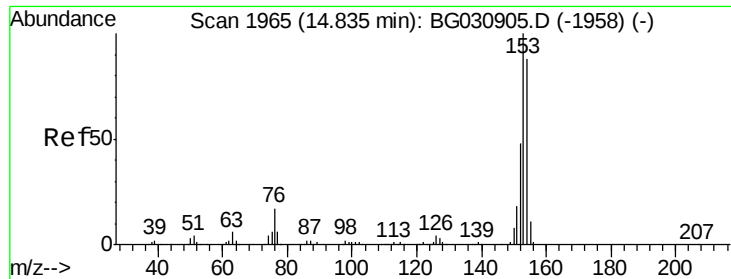
#44
 2-Fluorobiphenyl
 Concen: 95.50 ng
 RT: 13.37 min Scan# 1716
 Delta R.T. -0.03 min
 Lab File: BG031311.D
 Acq: 1 Dec 2017 5:51

Tgt Ion:172 Resp: 1177959
 Ion Ratio Lower Upper
 172 100
 171 38.3 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





#51

Acenaphthene

Concen: 3.36 ng

RT: 14.82 min Scan# 1962

Delta R.T. -0.02 min

Lab File: BG031311.D

Acq: 1 Dec 2017 5:51

Instrument :

BNA_G

ClientSampleId :

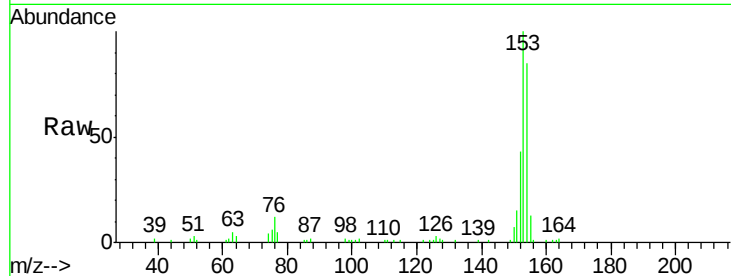
Tot Ion:154 Resp: 36437

Ion Ratio Lower Upper

154 100

153 118.1 90.4 135.6

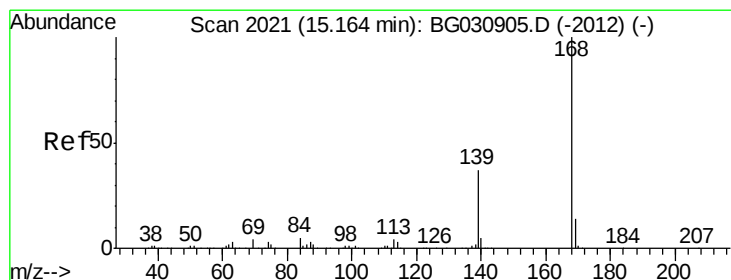
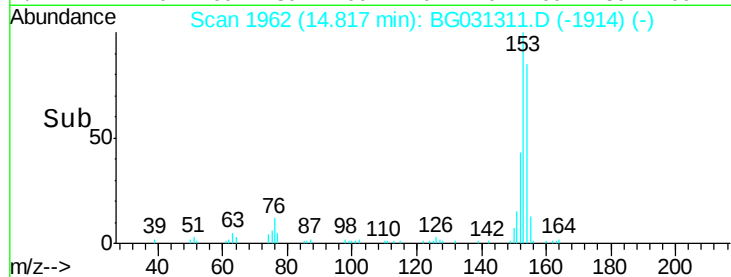
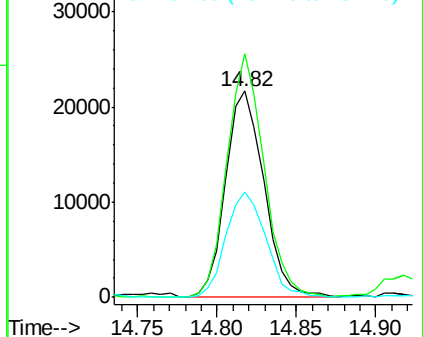
152 51.2 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.19 ng

RT: 15.16 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BG031311.D

Acq: 1 Dec 2017 5:51

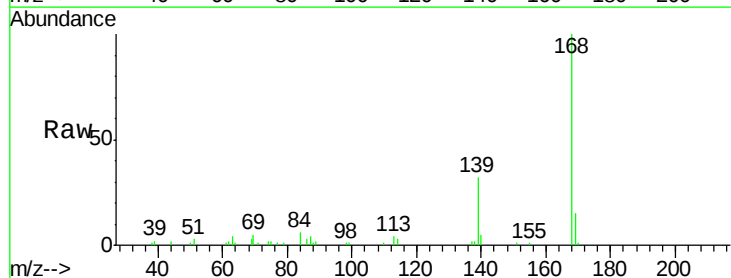
Tgt Ion:168 Resp: 37772

Ion Ratio Lower Upper

168 100

139 31.6 28.6 43.0

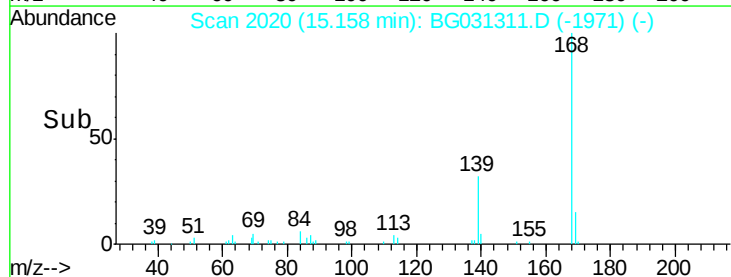
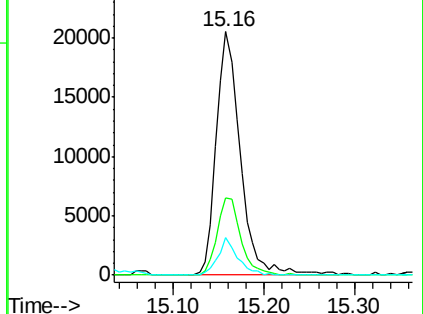
169 15.4 11.2 16.8

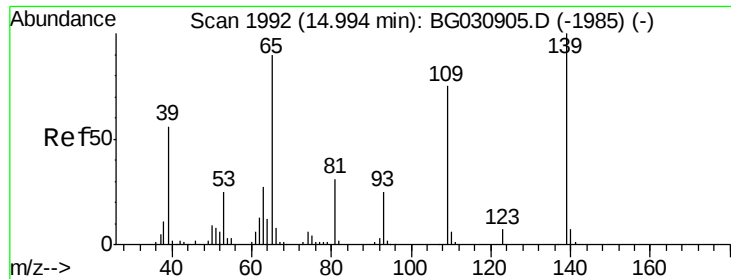


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

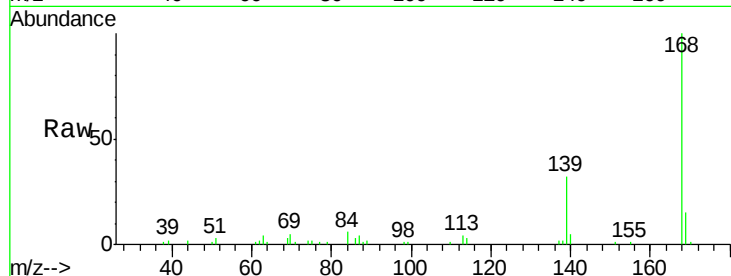




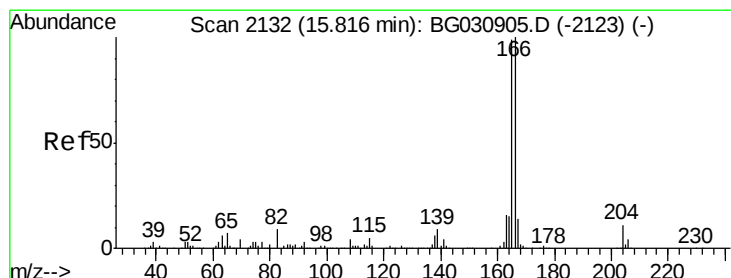
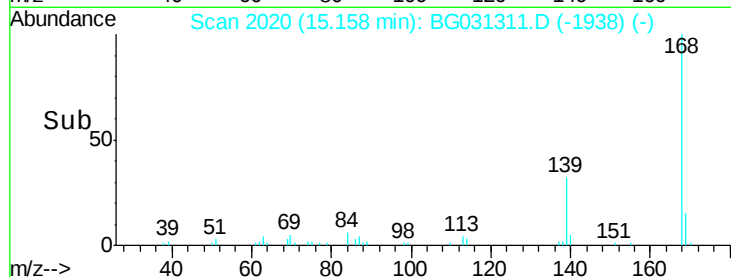
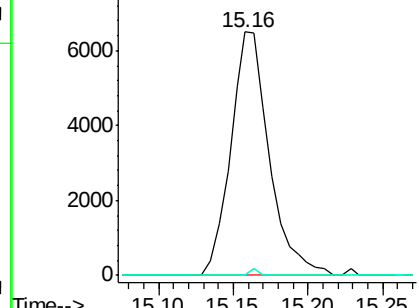
#55
4-Nitrophenol
Concen: 4.89 ng
RT: 15.16 min Scan# 2020
Delta R.T. 0.18 min
Lab File: BG031311.D
Acq: 1 Dec 2017 5:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 11694
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

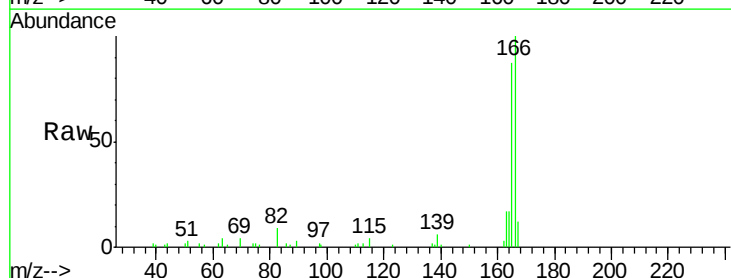


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

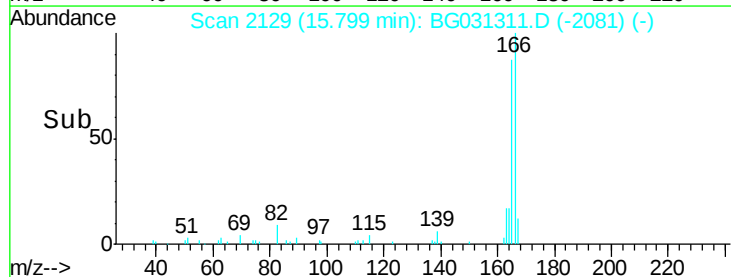
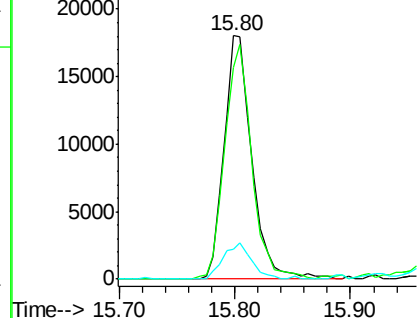


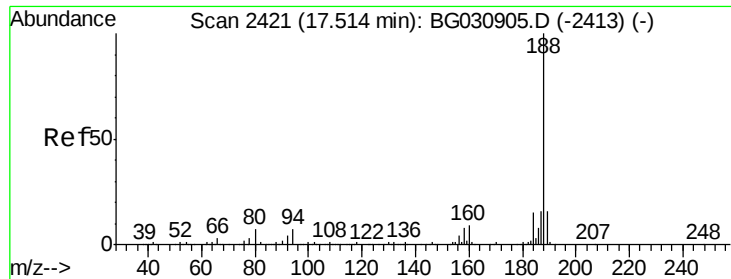
#57
Fluorene
Concen: 2.15 ng
RT: 15.80 min Scan# 2129
Delta R.T. -0.02 min
Lab File: BG031311.D
Acq: 1 Dec 2017 5:51

Tgt Ion:166 Resp: 30071
Ion Ratio Lower Upper
166 100
165 86.7 80.6 121.0
167 12.2 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

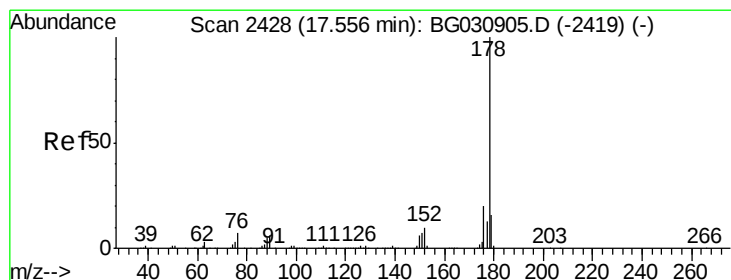
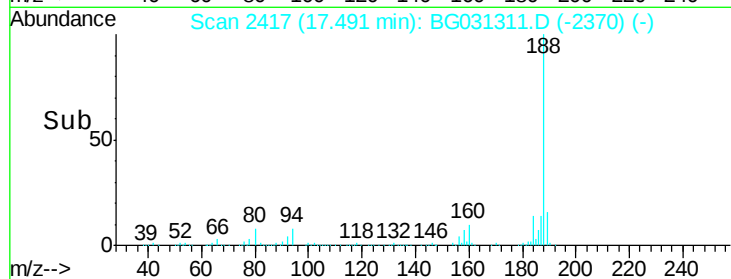
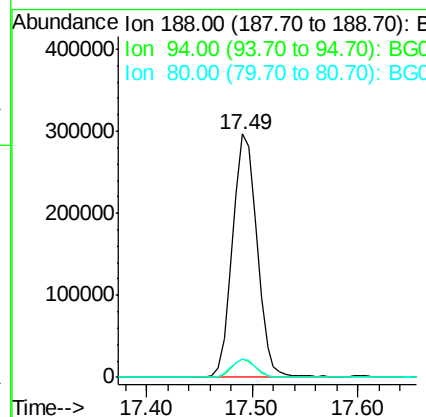
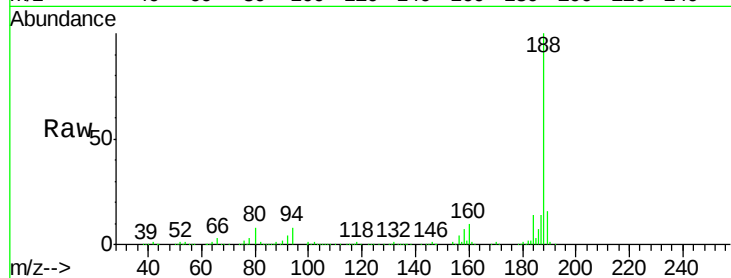




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.49 min Scan# 2417
Delta R.T. -0.02 min
Lab File: BG031311.D
Acq: 1 Dec 2017 5:51

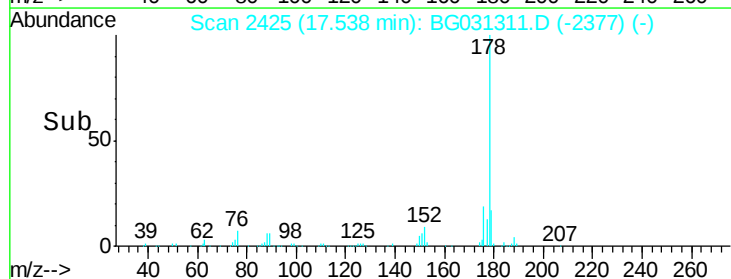
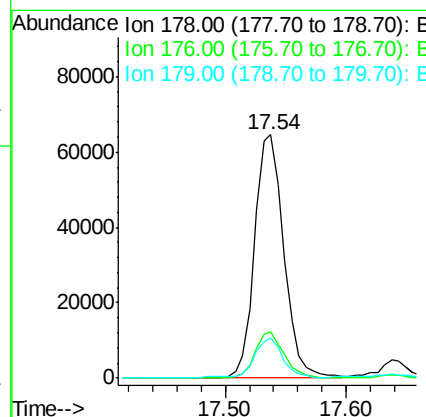
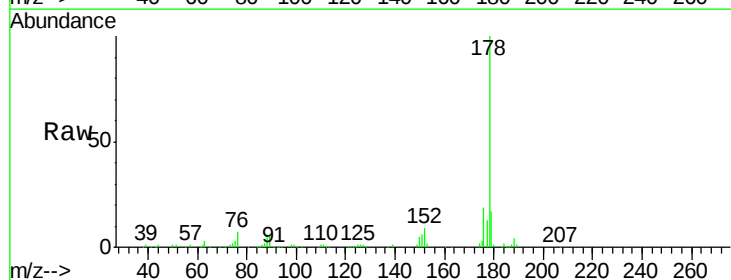
Instrument :
BNA_G
ClientSampleId :

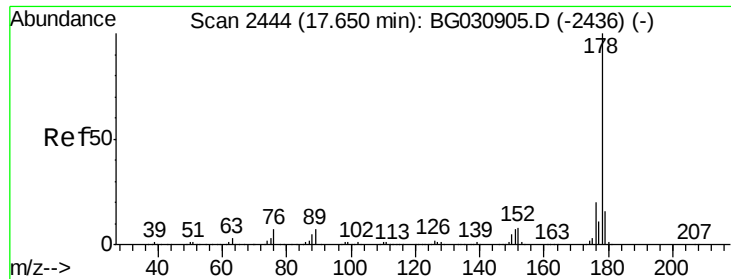
Tot Ion:188 Resp: 476975
Ion Ratio Lower Upper
188 100
94 7.7 6.9 10.3
80 7.7 7.7 11.5



#70
Phenanthrene
Concen: 4.41 ng
RT: 17.54 min Scan# 2425
Delta R.T. -0.02 min
Lab File: BG031311.D
Acq: 1 Dec 2017 5:51

Tgt Ion:178 Resp: 109448
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 16.7 12.5 18.7

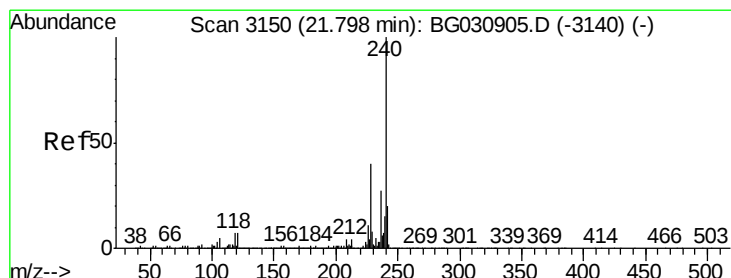
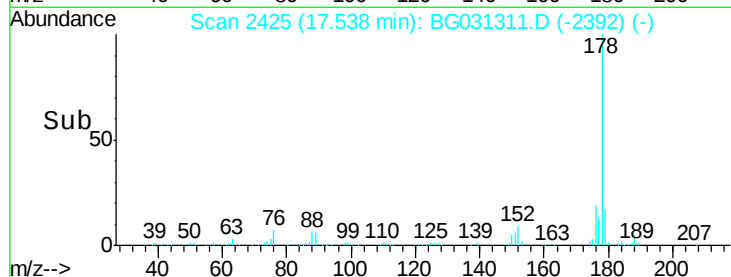
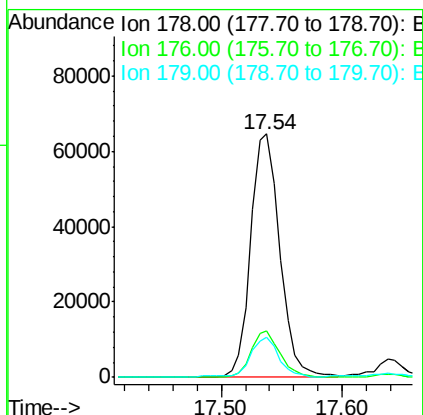
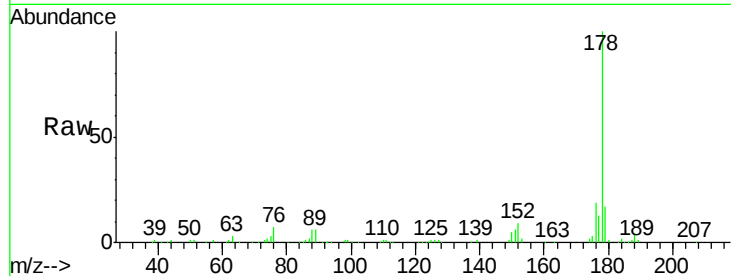




#71
 Anthracene
 Concen: 4.40 ng
 RT: 17.54 min Scan# 2425
 Delta R.T. -0.10 min
 Lab File: BG031311.D
 Acq: 1 Dec 2017 5:51

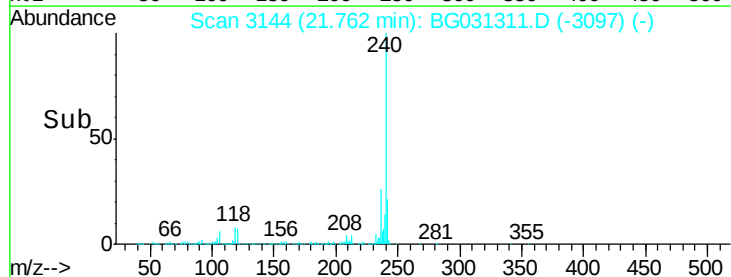
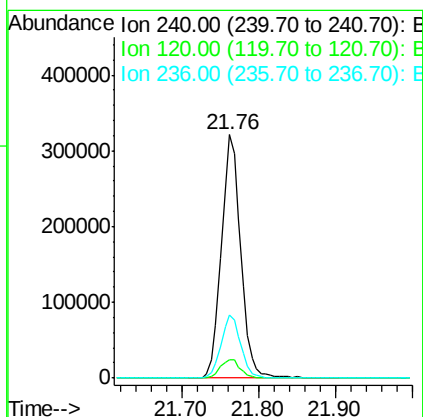
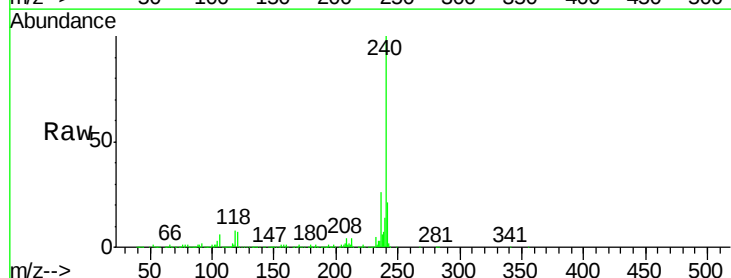
Instrument :
 BNA_G
 ClientSampleId :

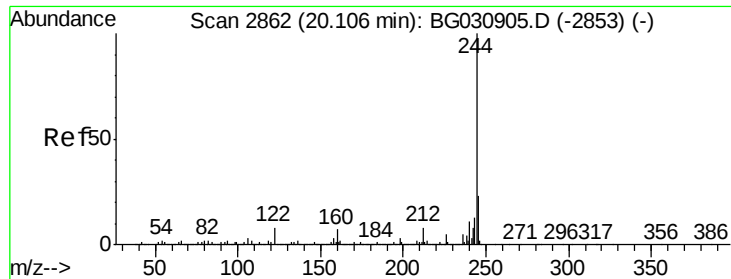
Tot Ion:178 Resp: 109448
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.0 24.0
 179 16.7 12.5 18.7



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.76 min Scan# 3144
 Delta R.T. -0.02 min
 Lab File: BG031311.D
 Acq: 1 Dec 2017 5:51

Tgt Ion:240 Resp: 560048
 Ion Ratio Lower Upper
 240 100
 120 7.4 6.8 10.2
 236 25.9 20.9 31.3





#78

Terphenyl-d14

Concen: 79.94 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.02 min

Lab File: BG031311.D

Acq: 1 Dec 2017 5:51

Instrument :

BNA_G

ClientSampleId :

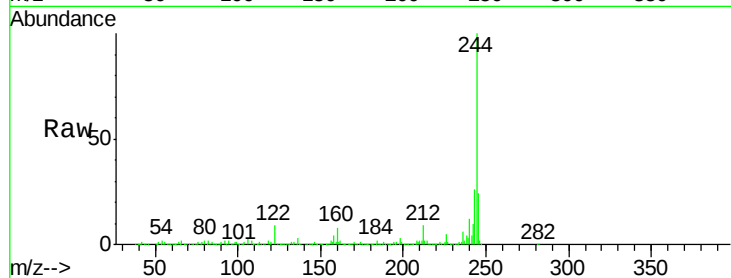
Tot Ion:244 Resp: 2027475

Ion	Ratio	Lower	Upper
244	100		
212	8.8	5.8	8.8
122	9.4	7.0	10.4

244 100

212 8.8 5.8 8.8

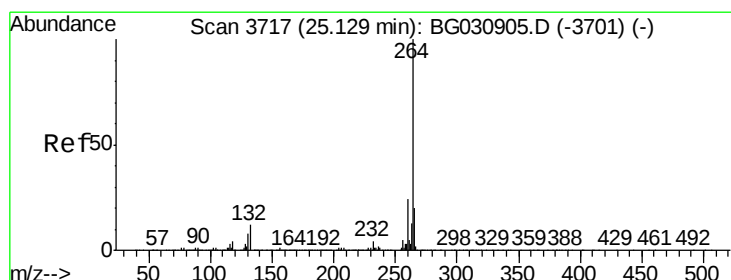
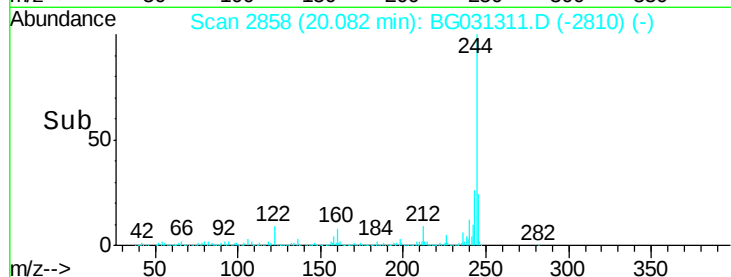
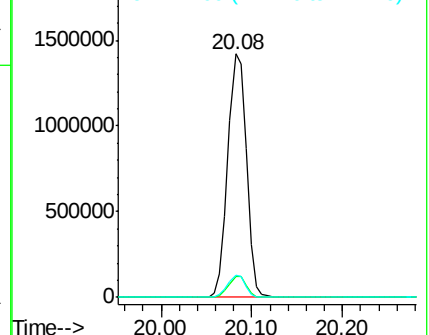
122 9.4 7.0 10.4



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: 20.00 ng

RT: 25.06 min Scan# 3706

Delta R.T. -0.03 min

Lab File: BG031311.D

Acq: 1 Dec 2017 5:51

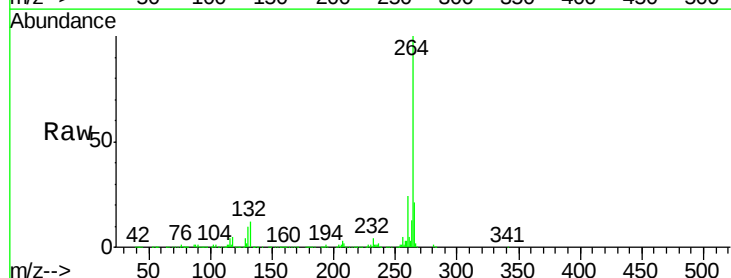
Tgt Ion:264 Resp: 542883

Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.4	26.0
265	21.3	17.7	26.5

264 100

260 24.2 17.4 26.0

265 21.3 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

