

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111517\
 Data File : BG031033.D
 Acq On : 16 Nov 2017 4:25
 Operator : SJ/JU
 Sample : I6478-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 16 07:47:43 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

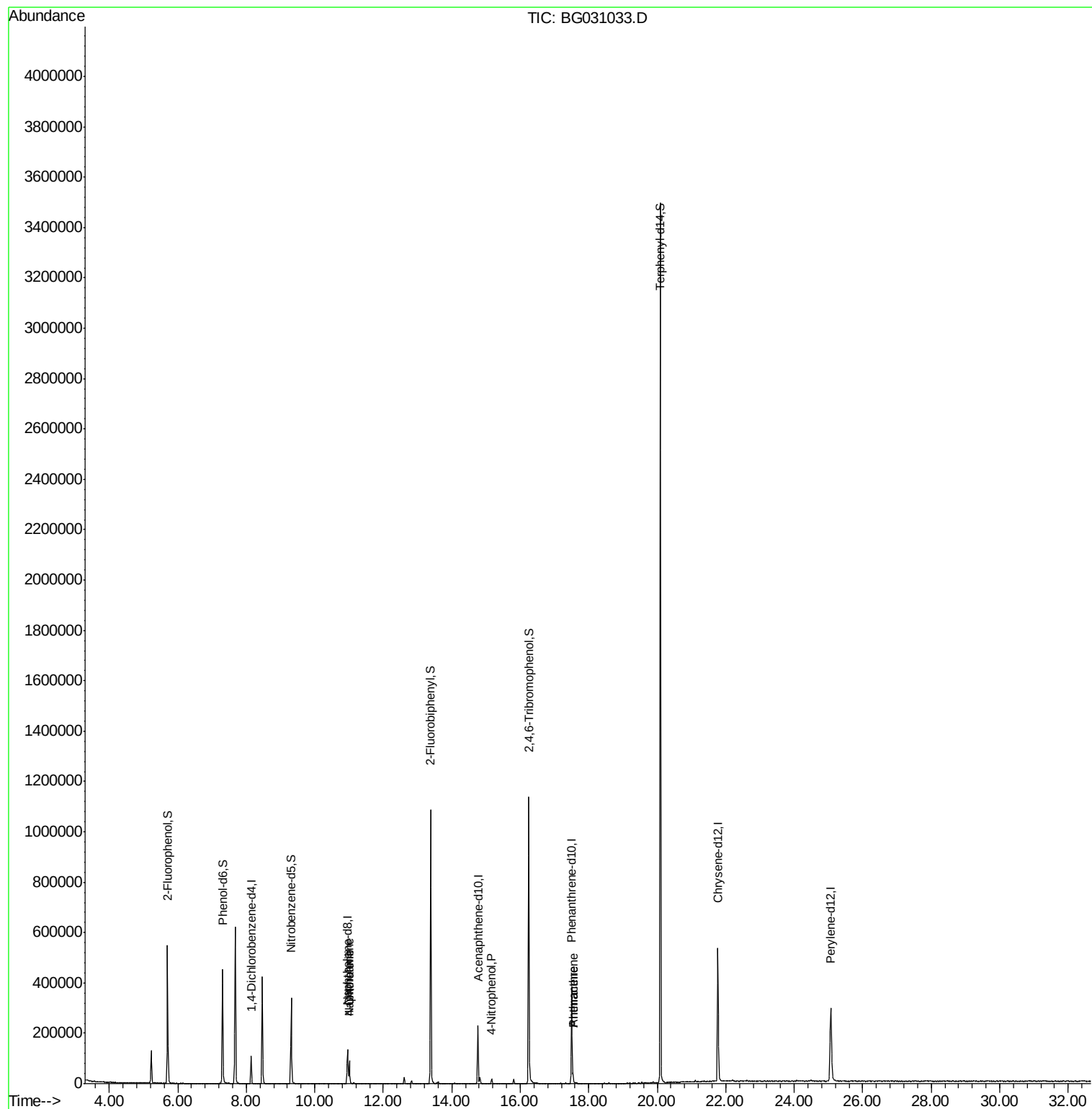
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	34749	20.00	ng	-0.01
21) Naphthalene-d8	10.95	136	131946	20.00	ng	-0.01
38) Acenaphthene-d10	14.76	164	92477	20.00	ng	-0.01
63) Phenanthrene-d10	17.50	188	275923	20.00	ng	-0.01
75) Chrysene-d12	21.77	240	408610	20.00	ng	-0.01
86) Perylene-d12	25.07	264	401511	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	254409	125.54	ng	0.00
7) Phenol-d6	7.31	99	277765	101.74	ng	0.00
23) Nitrobenzene-d5	9.31	82	218192	97.99	ng	-0.01
41) 2,4,6-Tribromophenol	16.24	330	279187	186.63	ng	-0.01
44) 2-Fluorobiphenyl	13.39	172	673431	104.64	ng	-0.01
78) Terphenyl-d14	20.09	244	1683205	90.96	ng	0.00
Target Compounds						
31) Naphthalene	11.01	128	87995	13.57	ng	Qvalue 96
33) 4-Chloroaniline	11.00	127	11594	4.08	ng	# 31
55) 4-Nitrophenol	15.16	139	6237	5.00	ng	# 2
70) Phenanthrene	17.54	178	30742	2.14	ng	96
71) Anthracene	17.54	178	30742	2.14	ng	96

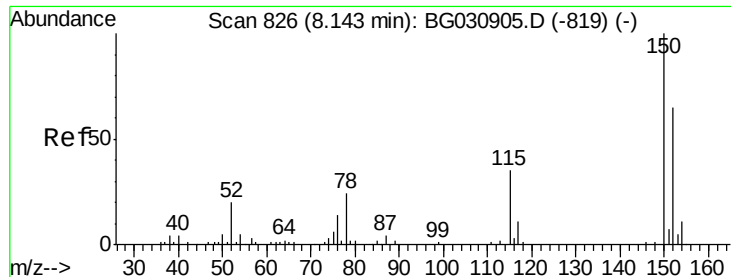
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 10 15:38:25 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.14 min Scan# 826

Delta R.T. -0.01 min

Lab File: BG031033.D

Acq: 16 Nov 2017 4:25

Instrument :

BNA_G

ClientSampleId :

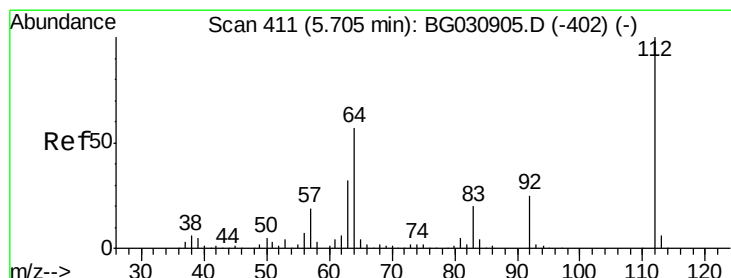
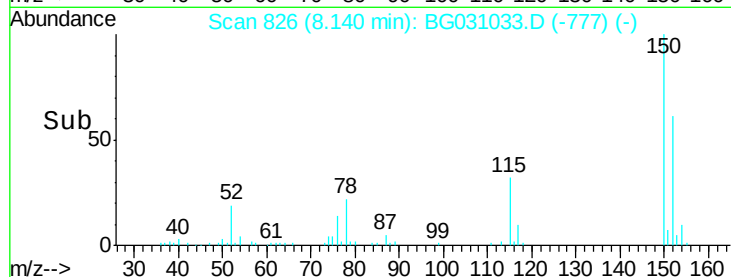
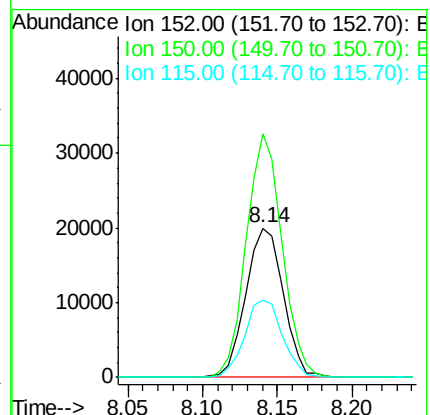
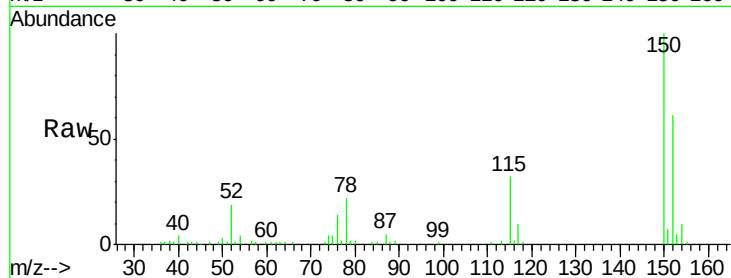
Tot Ion:152 Resp: 34749

Ion Ratio Lower Upper

152 100

150 163.1 126.6 189.8

115 51.7 53.0 79.4#



#5

2-Fluorophenol

Concen: 125.54 ng

RT: 5.70 min Scan# 411

Delta R.T. -0.01 min

Lab File: BG031033.D

Acq: 16 Nov 2017 4:25

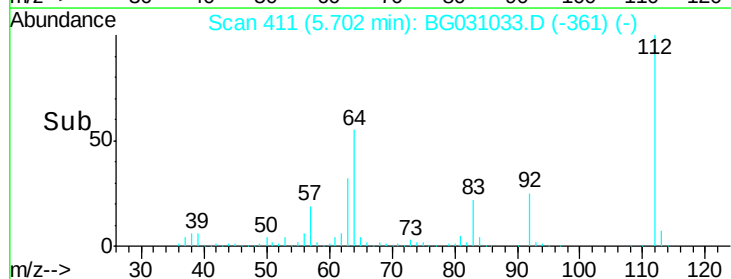
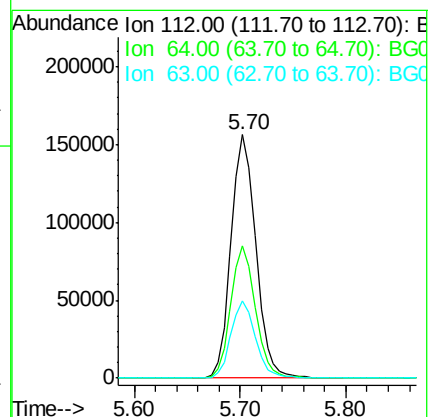
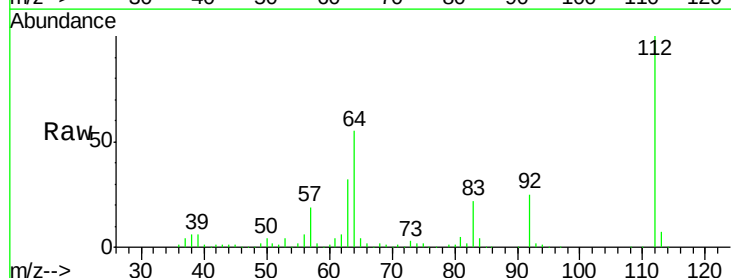
Tgt Ion:112 Resp: 254409

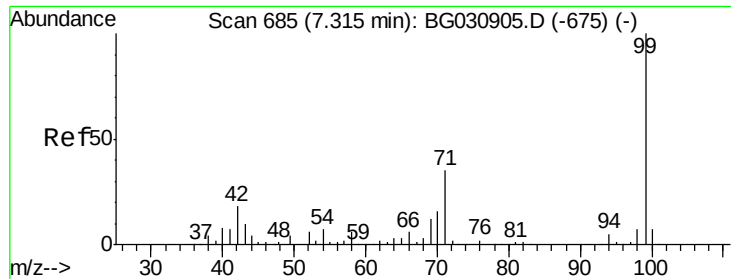
Ion Ratio Lower Upper

112 100

64 54.6 56.3 84.5#

63 31.5 30.1 45.1





#7

Phenol-d6

Concen: 101.74 ng

RT: 7.31 min Scan# 684

Delta R.T. -0.00 min

Lab File: BG031033.D

Acq: 16 Nov 2017 4:25

Instrument :

BNA_G

ClientSampleId :

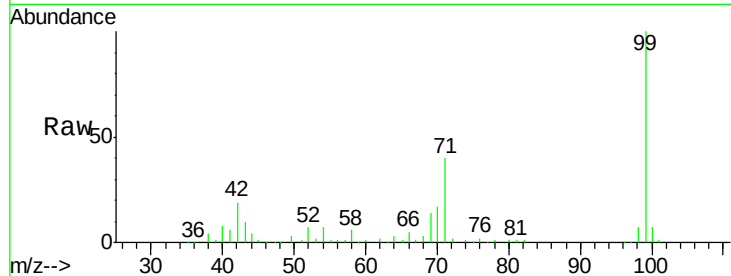
Tot Ion: 99 Resp: 277765

Ion Ratio Lower Upper

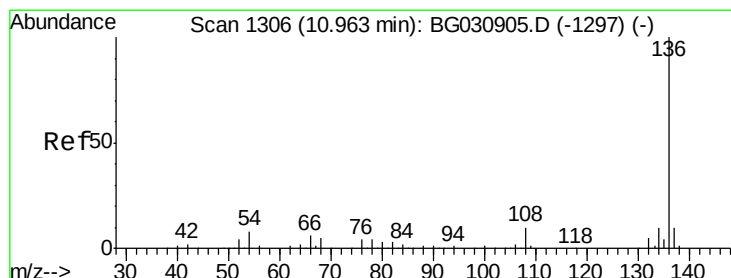
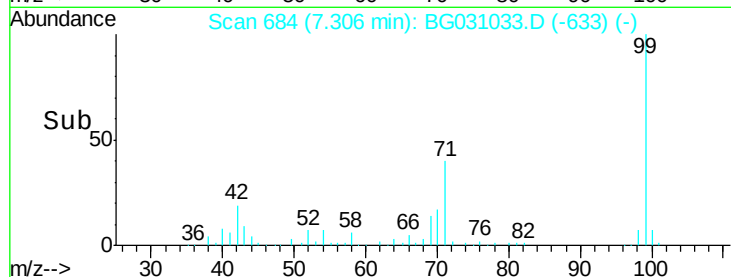
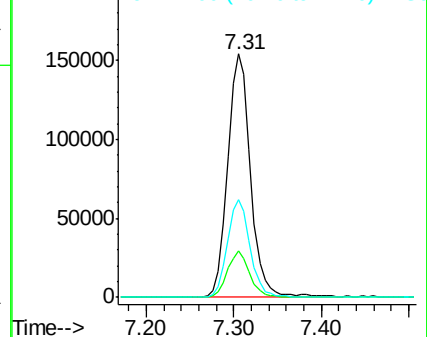
99 100

42 19.3 14.1 21.1

71 40.2 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.95 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BG031033.D

Acq: 16 Nov 2017 4:25

Tgt Ion: 136 Resp: 131946

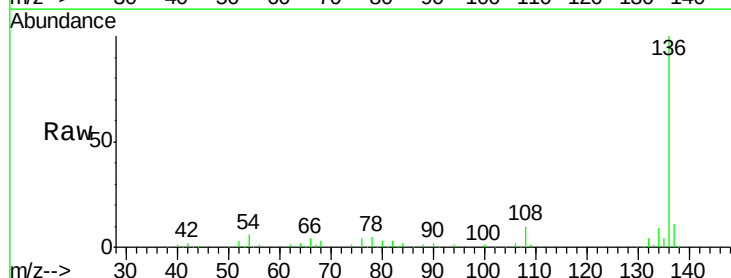
Ion Ratio Lower Upper

136 100

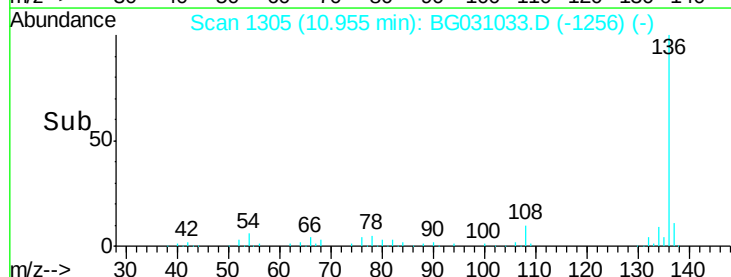
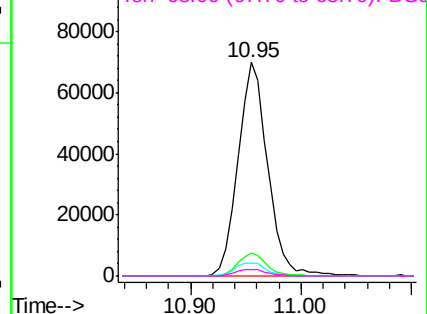
137 10.5 9.2 13.8

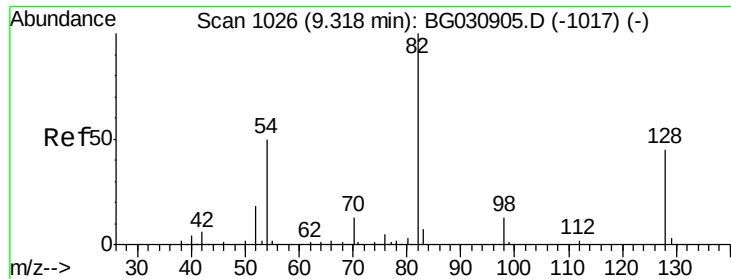
54 6.3 10.3 15.5#

68 3.2 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

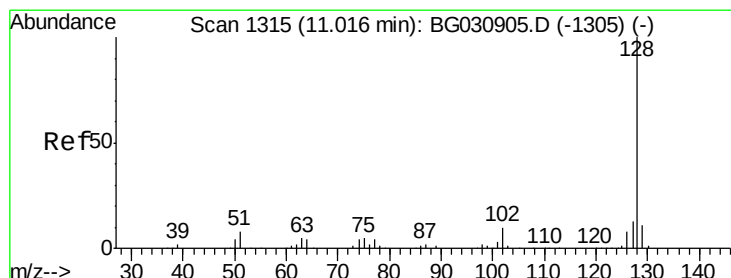
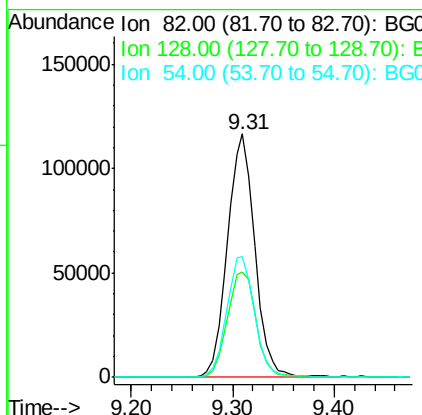
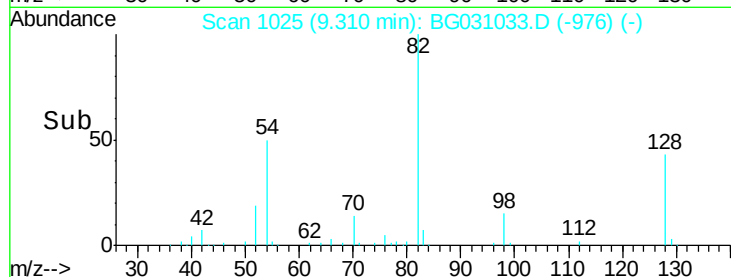
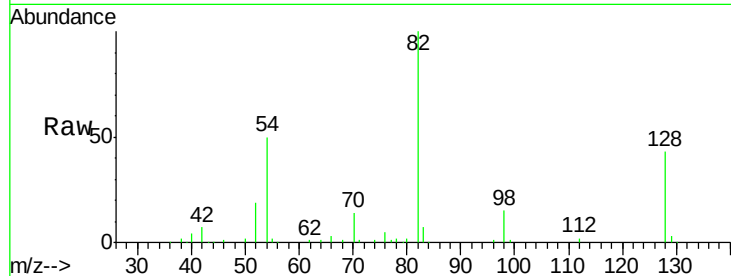




#23
Nitrobenzene-d5
Concen: 97.99 ng
RT: 9.31 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BG031033.D
Acq: 16 Nov 2017 4:25

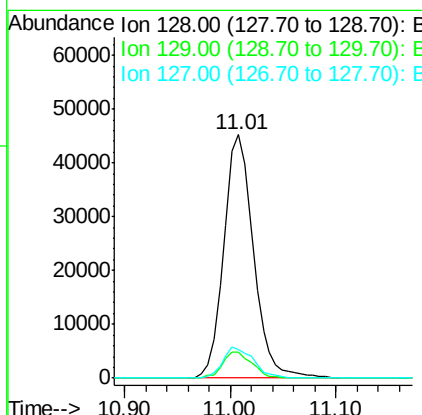
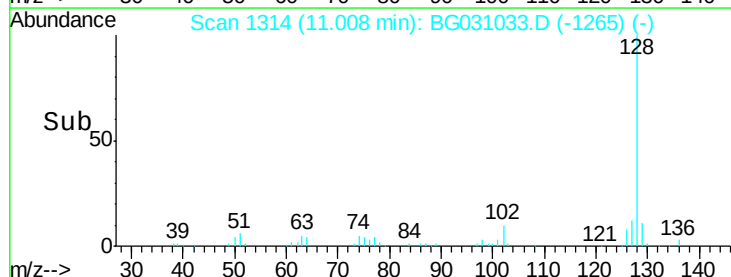
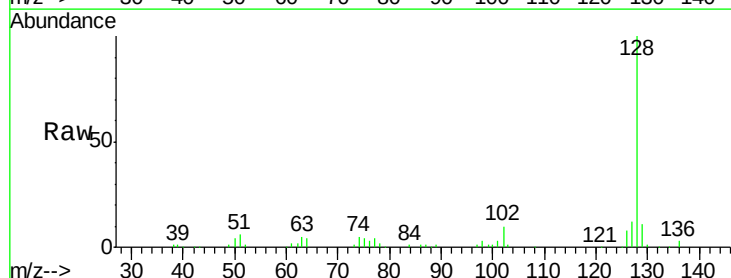
Instrument :
BNA_G
ClientSampleId :

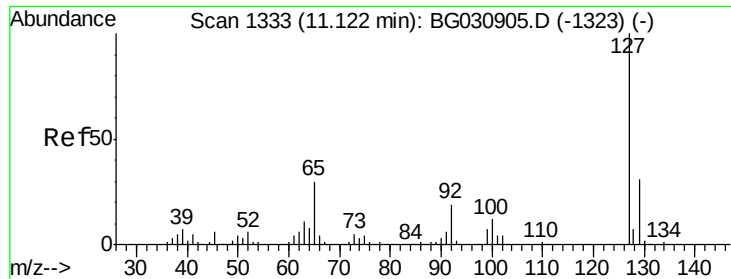
Tot Ion	82	Resp	218192
Ion Ratio	100	Lower	Upper
128	43.5	29.7	44.5
54	49.7	43.1	64.7



#31
Naphthalene
Concen: 13.57 ng
RT: 11.01 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BG031033.D
Acq: 16 Nov 2017 4:25

Tgt Ion	128	Resp	87995
Ion Ratio	100	Lower	Upper
129	10.8	8.6	12.8
127	11.7	11.6	17.4

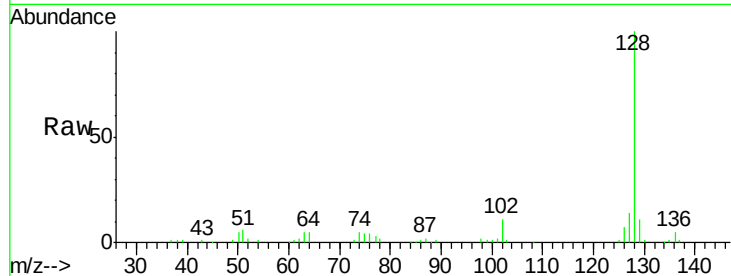




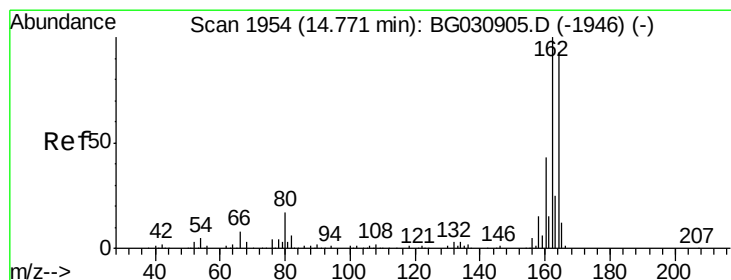
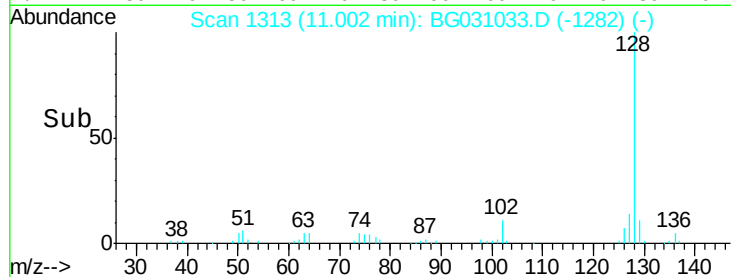
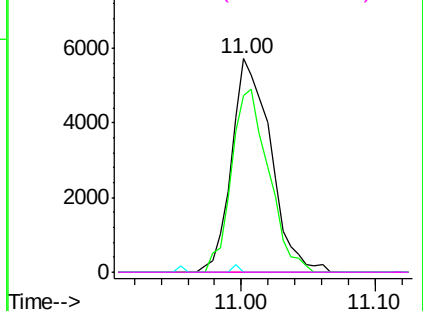
#33
4-Chloroaniline
Concen: 4.08 ng
RT: 11.00 min Scan# 1313
Delta R.T. -0.12 min
Lab File: BG031033.D
Acq: 16 Nov 2017 4:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:127	Resp:	11594
Ion Ratio	Lower	Upper
127	100	
129	82.5	24.0 36.0#
65	0.0	27.0 40.4#
92	0.0	16.6 25.0#

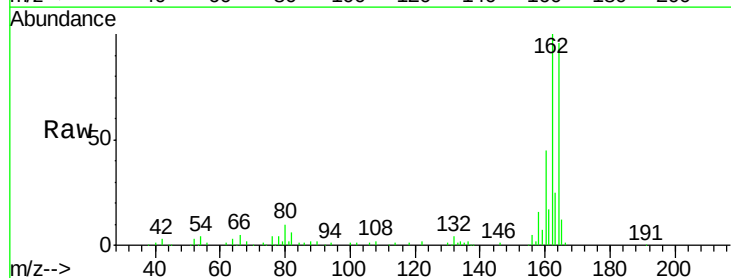


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

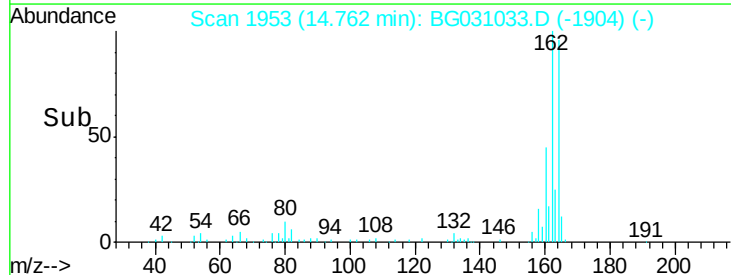
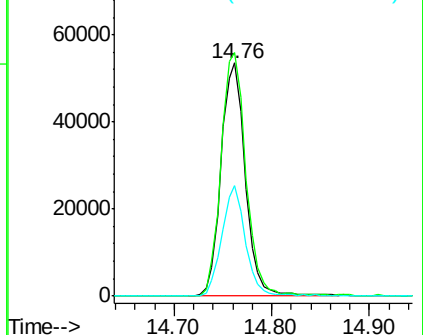


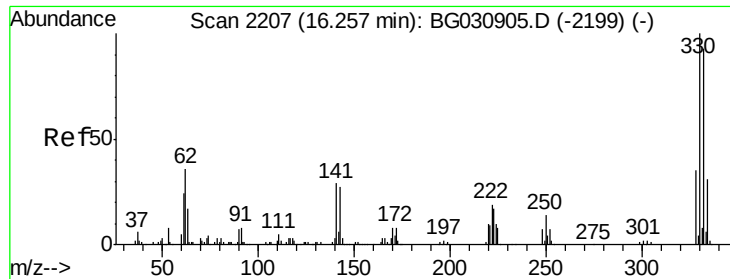
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.76 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BG031033.D
Acq: 16 Nov 2017 4:25

Tgt Ion:164	Resp:	92477
Ion Ratio	Lower	Upper
164	100	
162	104.4	78.8 118.2
160	47.3	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

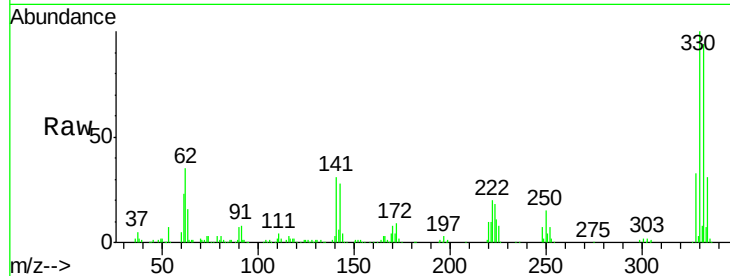




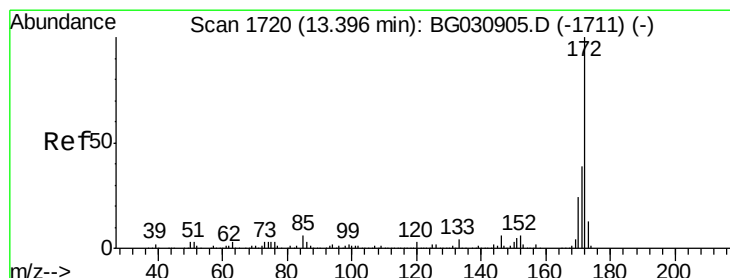
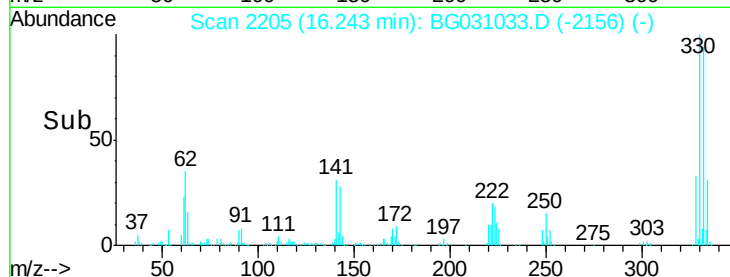
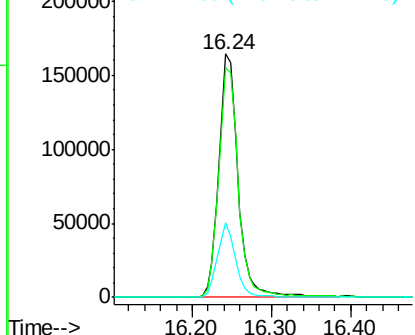
#41
 2,4,6-Tribromophenol
 Concen: 186.63 ng
 RT: 16.24 min Scan# 2205
 Delta R.T. -0.01 min
 Lab File: BG031033.D
 Acq: 16 Nov 2017 4:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 279187
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 28.7 25.2 37.8

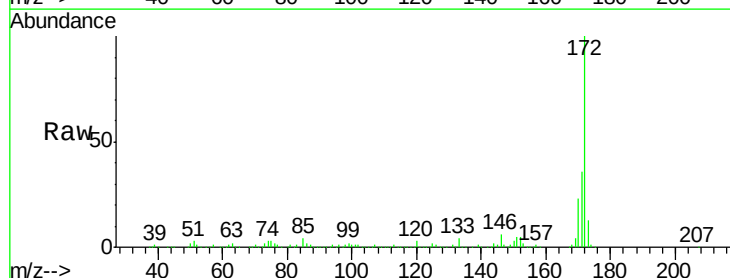


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

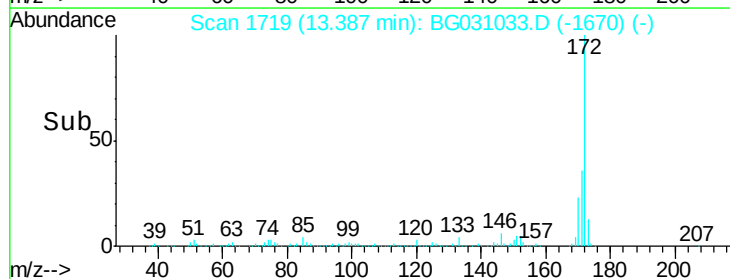
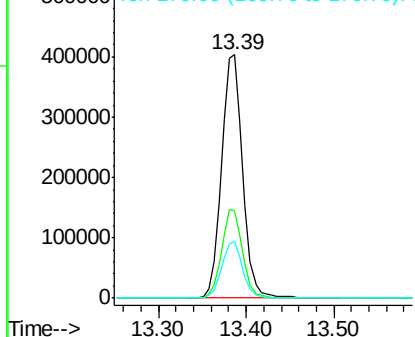


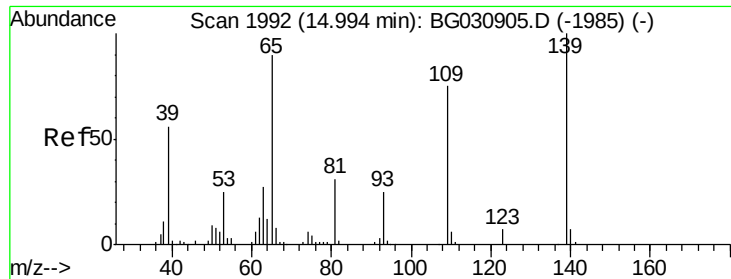
#44
 2-Fluorobiphenyl
 Concen: 104.64 ng
 RT: 13.39 min Scan# 1719
 Delta R.T. -0.01 min
 Lab File: BG031033.D
 Acq: 16 Nov 2017 4:25

Tgt Ion:172 Resp: 673431
 Ion Ratio Lower Upper
 172 100
 171 36.1 30.0 45.0
 170 23.4 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

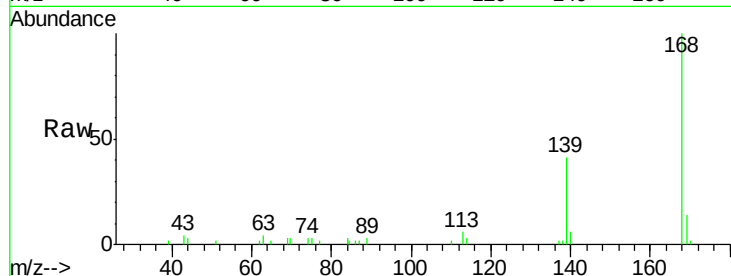




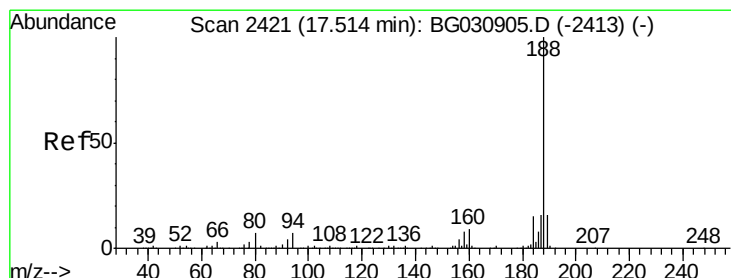
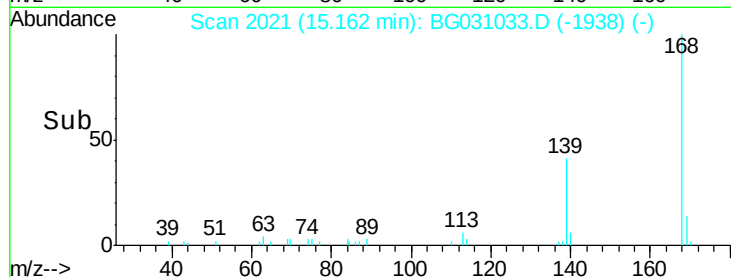
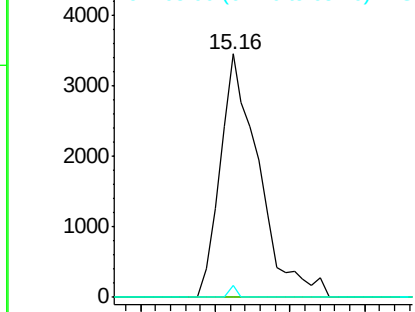
#55
4-Nitrophenol
Concen: 5.00 ng
RT: 15.16 min Scan# 2021
Delta R.T. 0.19 min
Lab File: BG031033.D
Acq: 16 Nov 2017 4:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 6237
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 4.8 97.2 137.2#

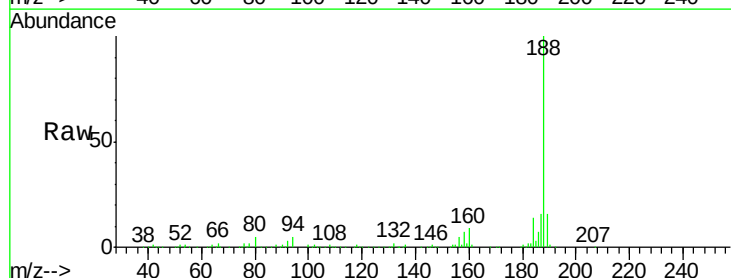


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

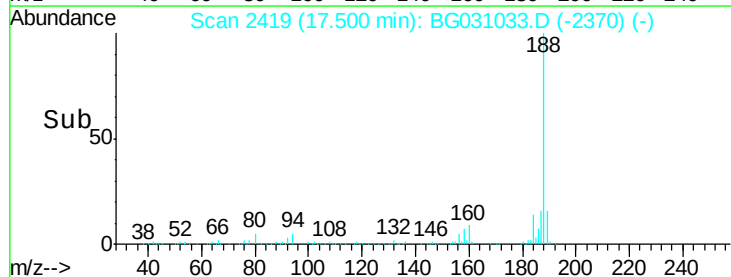
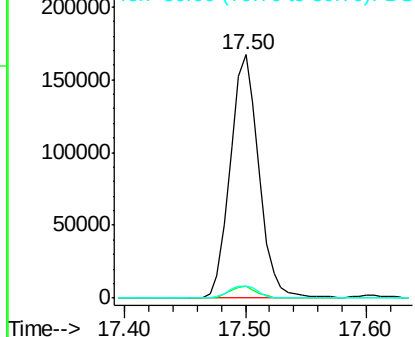


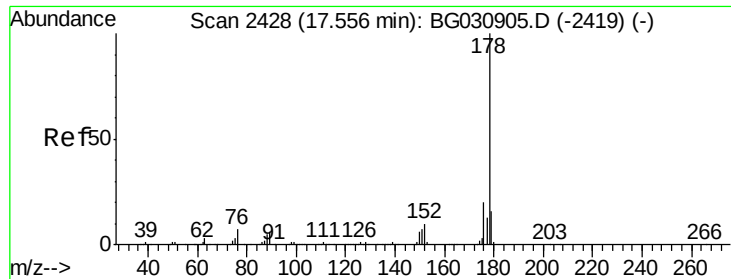
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.50 min Scan# 2419
Delta R.T. -0.01 min
Lab File: BG031033.D
Acq: 16 Nov 2017 4:25

Tgt Ion:188 Resp: 275923
Ion Ratio Lower Upper
188 100
94 4.9 6.9 10.3#
80 5.0 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





#70

Phenanthrene

Concen: 2.14 ng

RT: 17.54 min Scan# 2426

Delta R.T. -0.01 min

Lab File: BG031033.D

Acq: 16 Nov 2017 4:25

Instrument :

BNA_G

ClientSampleId :

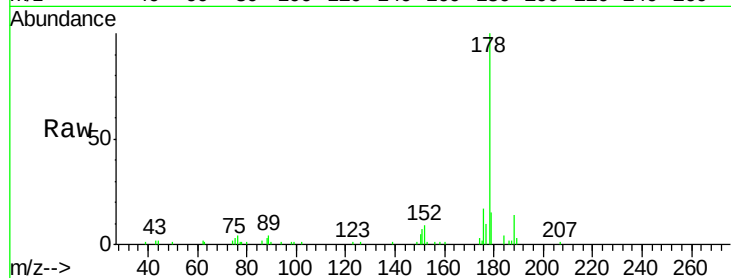
Tot Ion:178 Resp: 30742

Ion Ratio Lower Upper

178 100

176 17.2 15.7 23.5

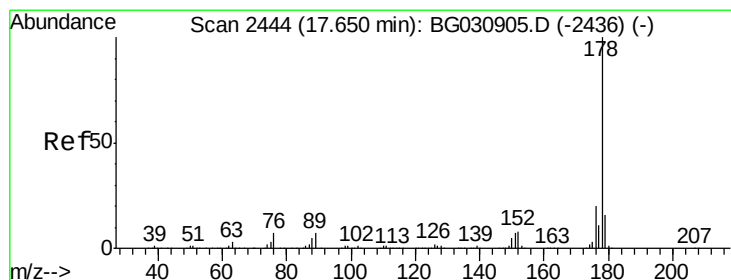
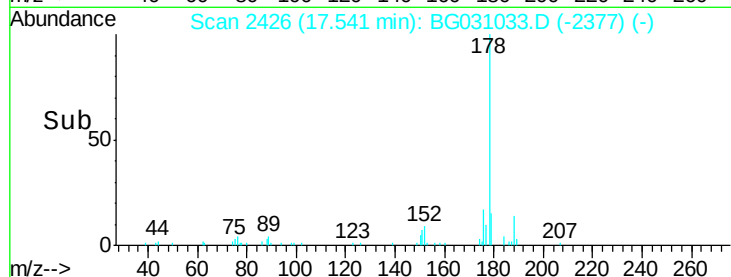
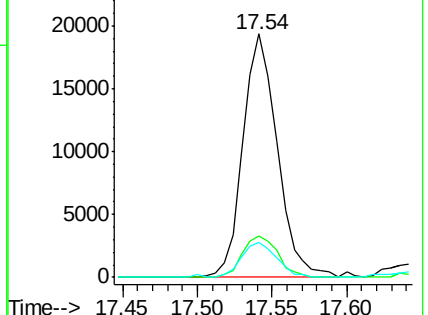
179 14.6 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.14 ng

RT: 17.54 min Scan# 2426

Delta R.T. -0.10 min

Lab File: BG031033.D

Acq: 16 Nov 2017 4:25

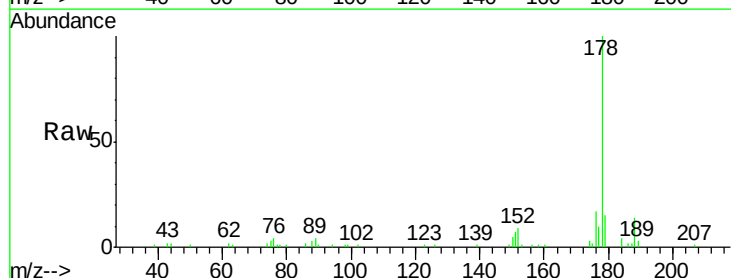
Tgt Ion:178 Resp: 30742

Ion Ratio Lower Upper

178 100

176 17.2 16.0 24.0

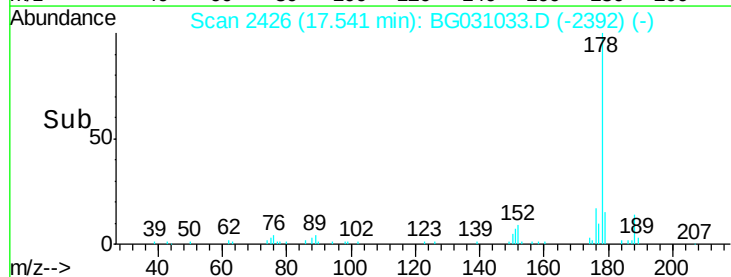
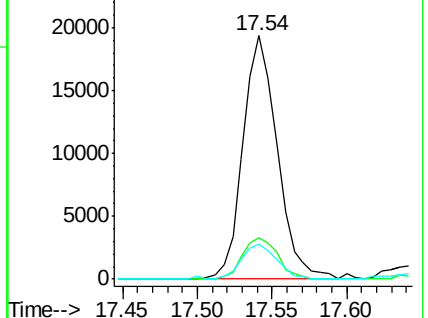
179 14.6 12.5 18.7

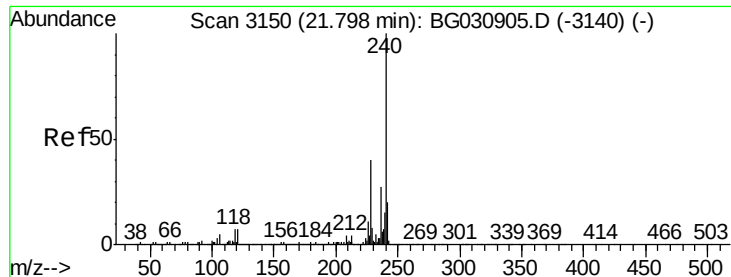


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.77 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG031033.D

Acq: 16 Nov 2017 4:25

Instrument :

BNA_G

ClientSampleId :

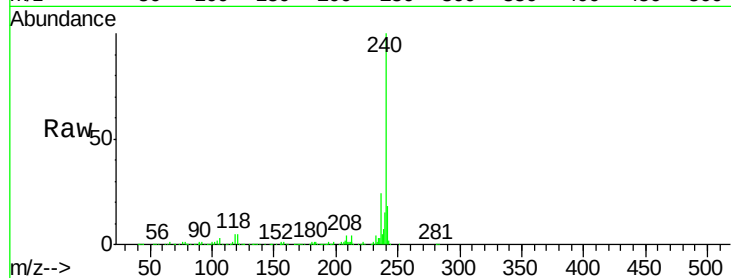
Tot Ion:240 Resp: 408610

Ion Ratio Lower Upper

240 100

120 4.5 6.8 10.2#

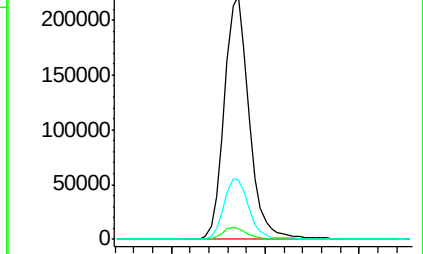
236 24.4 20.9 31.3



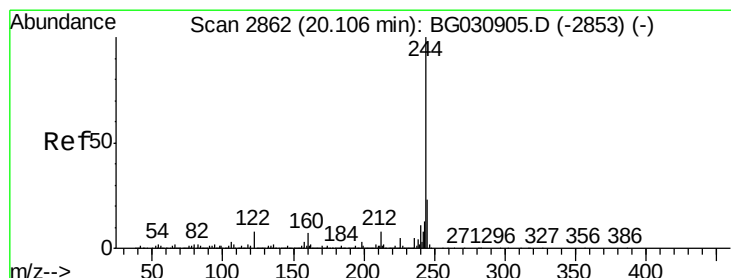
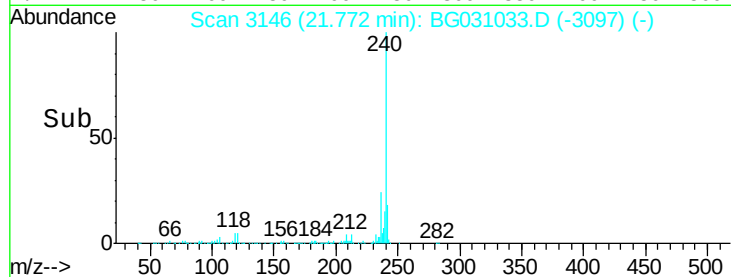
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 90.96 ng

RT: 20.09 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG031033.D

Acq: 16 Nov 2017 4:25

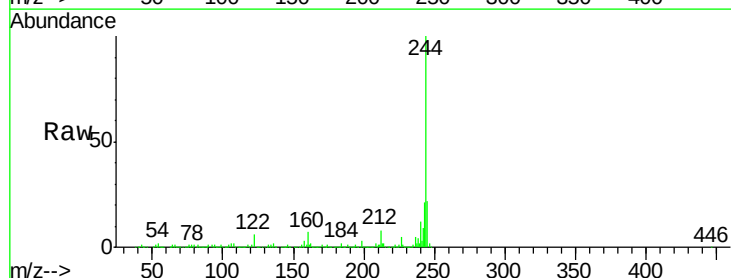
Tgt Ion:244 Resp: 1683205

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

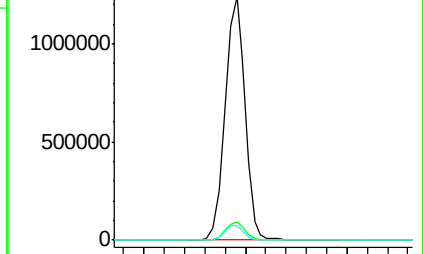
122 6.2 7.0 10.4#



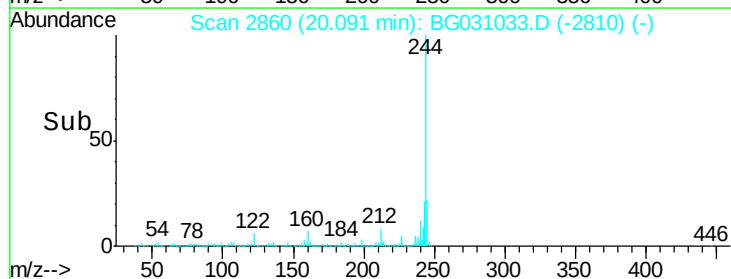
Abundance Ion 244.00 (243.70 to 244.70): E

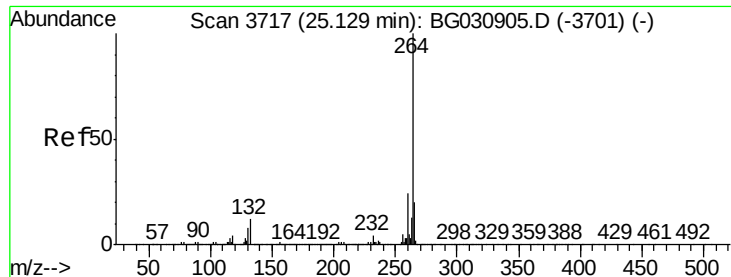
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

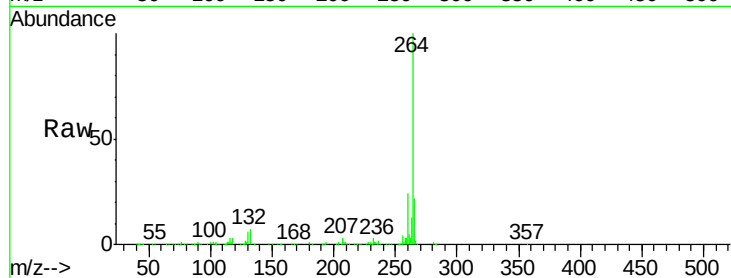




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.07 min Scan# 3707
Delta R.T. -0.02 min
Lab File: BG031033.D
Acq: 16 Nov 2017 4:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	22.0	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

