

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG111117\
 Data File : BG030936.D
 Acq On : 11 Nov 2017 10:15
 Operator : SJ/JU
 Sample : I6396-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 13 03:19:16 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

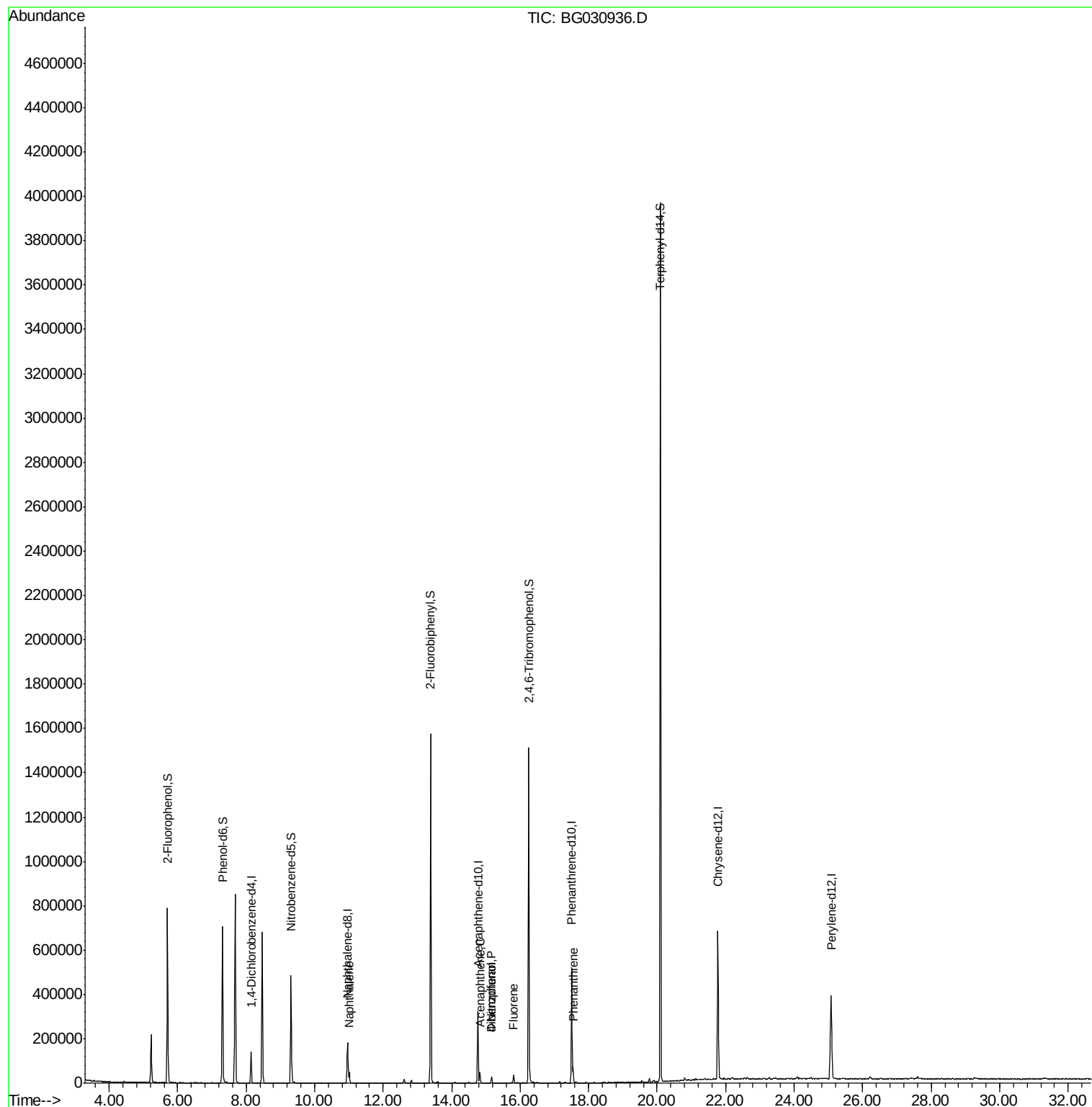
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	42748	20.00	ng	0.00
21) Naphthalene-d8	10.96	136	178120	20.00	ng	0.00
38) Acenaphthene-d10	14.76	164	118863	20.00	ng	-0.01
63) Phenanthrene-d10	17.50	188	339457	20.00	ng	0.00
75) Chrysene-d12	21.77	240	449919	20.00	ng	0.00
86) Perylene-d12	25.08	264	451234	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	363860	145.96	ng	0.00
7) Phenol-d6	7.31	99	428335	127.54	ng	0.00
23) Nitrobenzene-d5	9.31	82	312158	103.85	ng	0.00
41) 2,4,6-Tribromophenol	16.25	330	348783	181.39	ng	0.00
44) 2-Fluorobiphenyl	13.38	172	896700	108.40	ng	-0.01
78) Terphenyl-d14	20.09	244	1939084	95.17	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.01	128	41012	4.684	ng	96
51) Acenaphthene	14.82	154	20843	2.867	ng	97
54) Dibenzofuran	15.17	168	24437	2.111	ng	97
55) 4-Nitrophenol	15.17	139	8596	5.365	ng	# 1
57) Fluorene	15.81	166	19577	2.083	ng	93
70) Phenanthrene	17.54	178	48352	2.736	ng	98

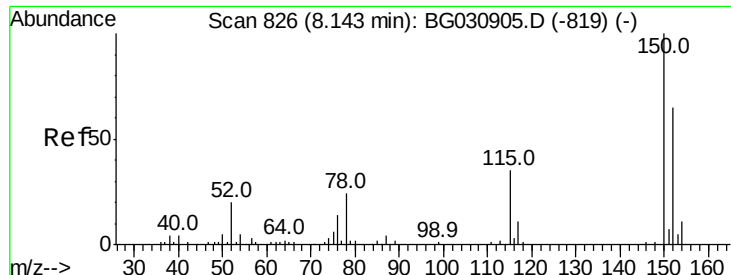
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG111117\
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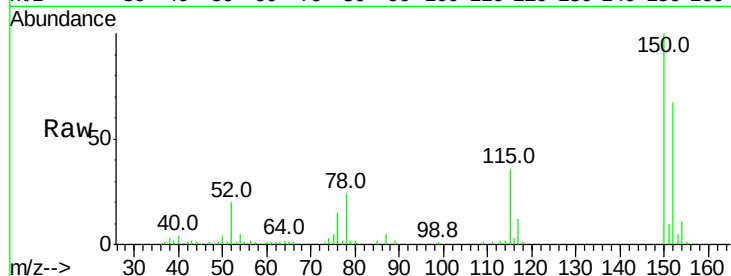


#1

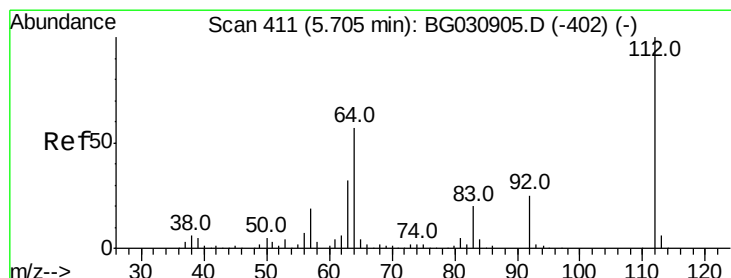
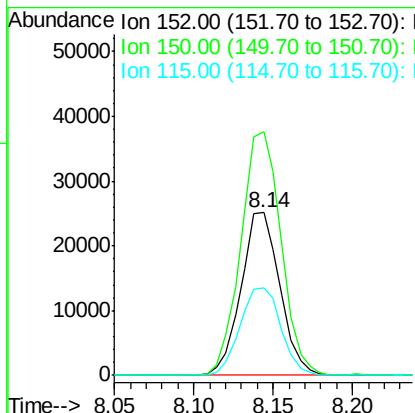
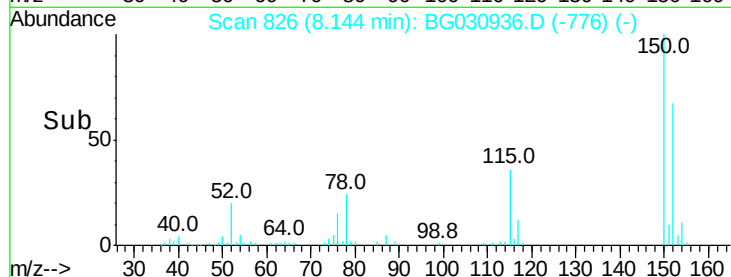
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 826
Delta R.T. -0.01 min
Lab File: BG030936.D
Acq: 11 Nov 2017 10:15

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 42748
Ion Ratio Lower Upper
152 100
150 149.6 126.6 189.8
115 53.8 53.0 79.4



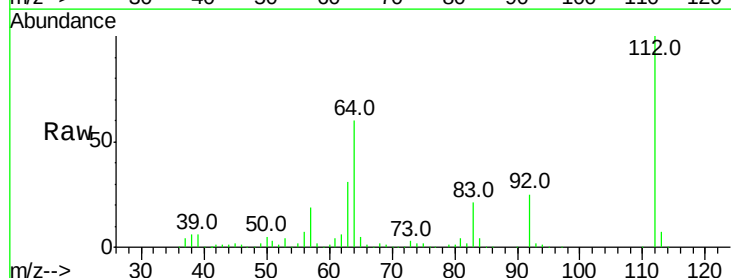
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



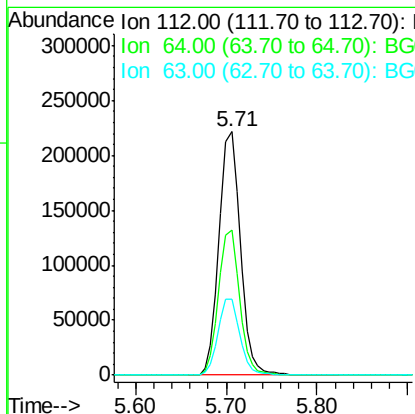
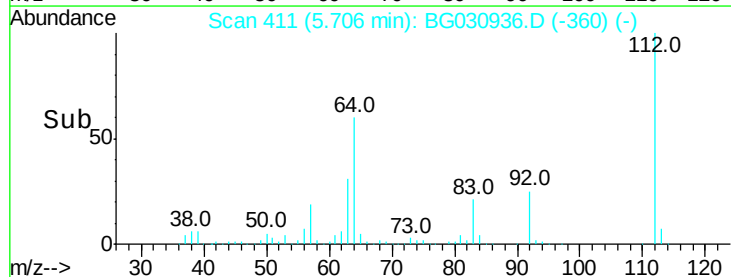
#5

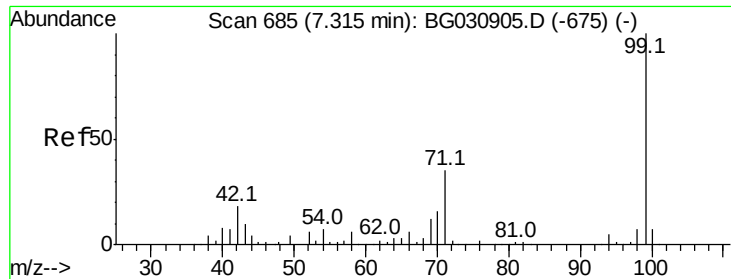
2-Fluorophenol
Concen: 145.956 ng
RT: 5.71 min Scan# 411
Delta R.T. -0.00 min
Lab File: BG030936.D
Acq: 11 Nov 2017 10:15

Tgt Ion:112 Resp: 363860
Ion Ratio Lower Upper
112 100
64 59.8 56.3 84.5
63 31.1 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: 127.536 ng

RT: 7.31 min Scan# 684

Delta R.T. 0.00 min

Lab File: BG030936.D

Acq: 11 Nov 2017 10:15

Instrument :

BNA_G

ClientSampleId :

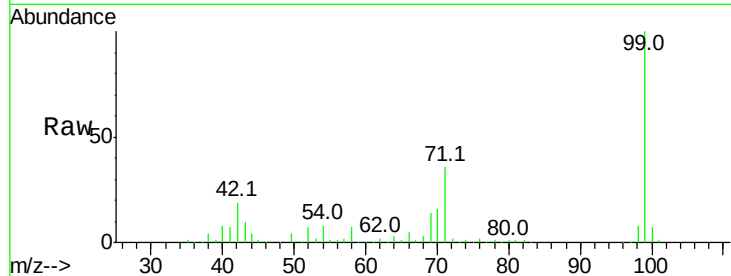
Tot Ion: 99 Resp: 428335

Ion Ratio Lower Upper

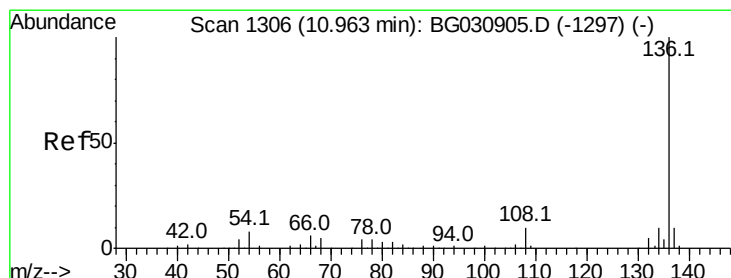
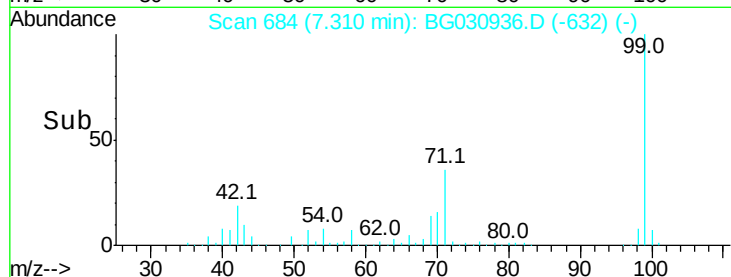
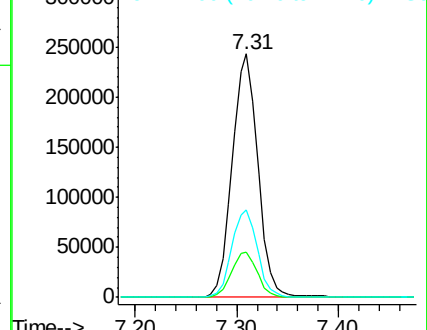
99 100

42 18.8 14.1 21.1

71 35.8 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: 20.000 ng

RT: 10.96 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BG030936.D

Acq: 11 Nov 2017 10:15

Tgt Ion: 136 Resp: 178120

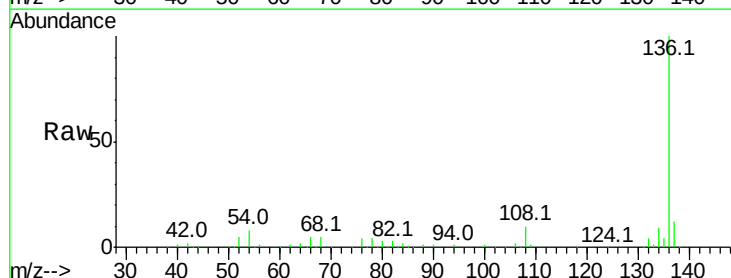
Ion Ratio Lower Upper

136 100

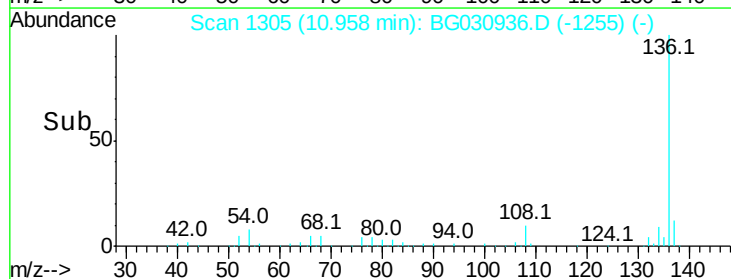
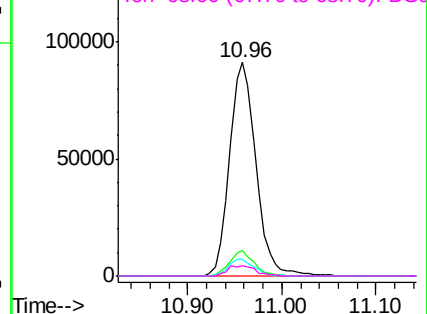
137 12.1 9.2 13.8

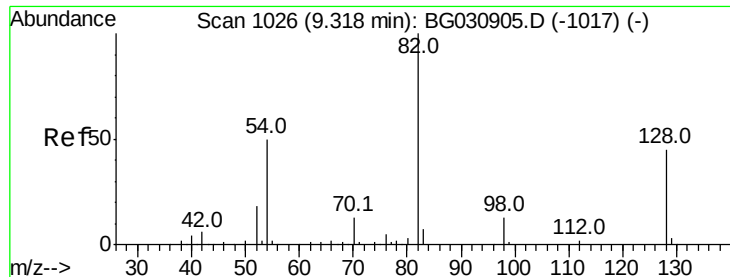
54 7.7 10.3 15.5#

68 5.0 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

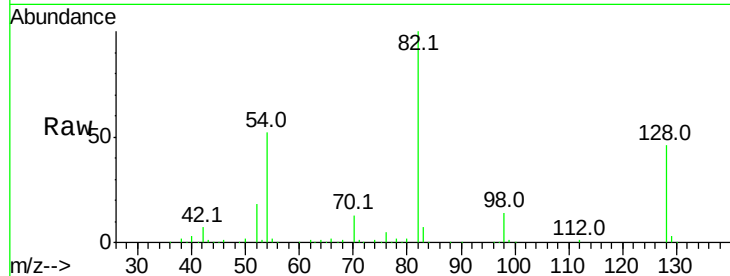




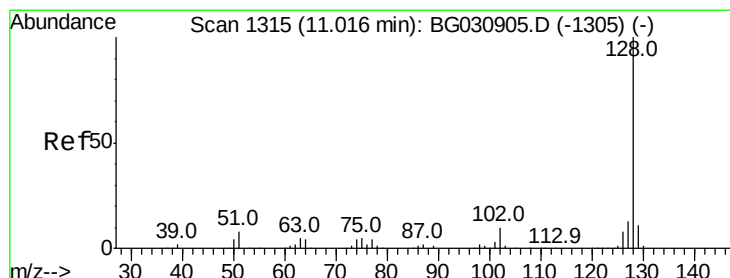
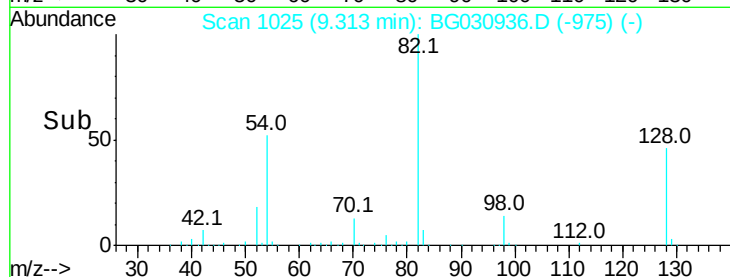
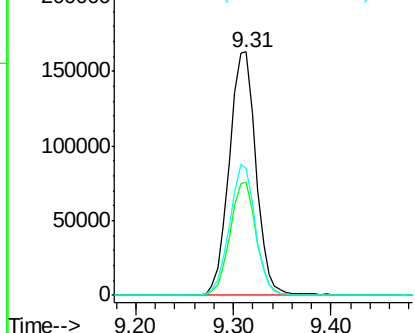
#23
 Nitrobenzene-d5
 Concen: 103.847 ng
 RT: 9.31 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BG030936.D
 Acq: 11 Nov 2017 10:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 312158
 Ion Ratio Lower Upper
 82 100
 128 46.2 29.7 44.5#
 54 52.0 43.1 64.7

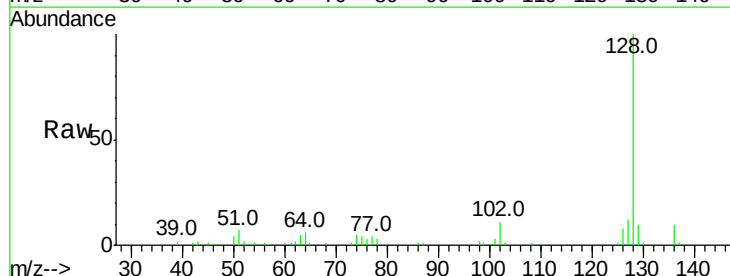


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

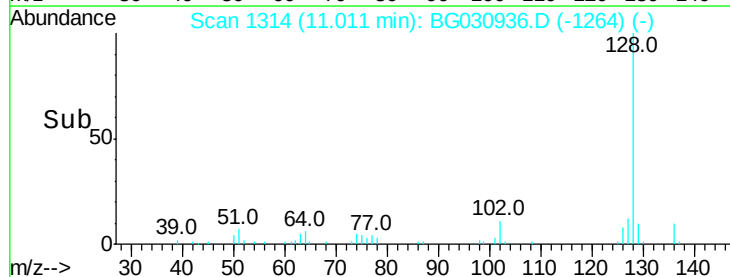
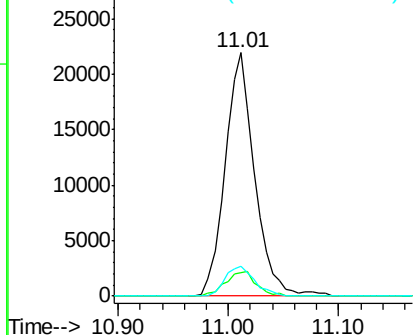


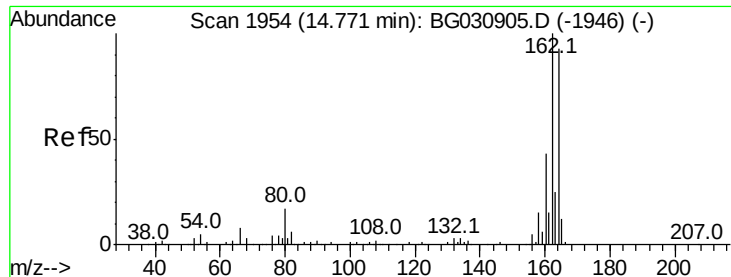
#31
 Naphthalene
 Concen: 4.684 ng
 RT: 11.01 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BG030936.D
 Acq: 11 Nov 2017 10:15

Tgt Ion:128 Resp: 41012
 Ion Ratio Lower Upper
 128 100
 129 9.5 8.6 12.8
 127 12.3 11.6 17.4



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.76 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BG030936.D

Acq: 11 Nov 2017 10:15

Instrument :

BNA_G

ClientSampleId :

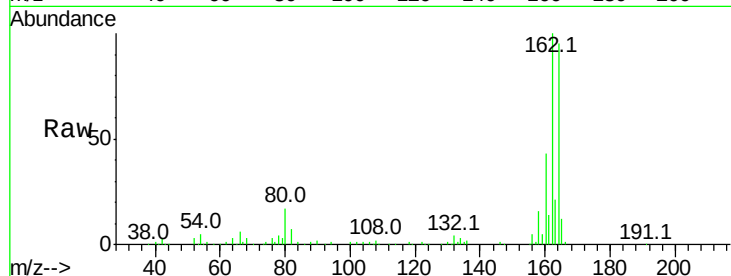
Tot Ion:164 Resp: 118863

Ion Ratio Lower Upper

164 100

162 105.4 78.8 118.2

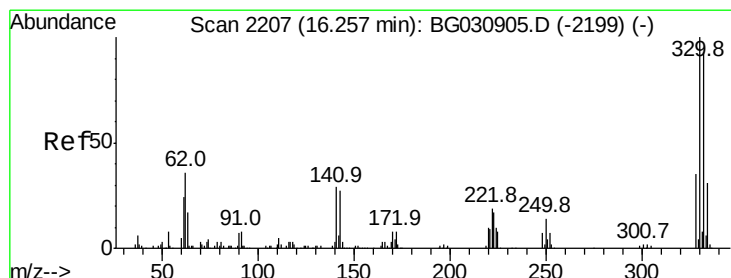
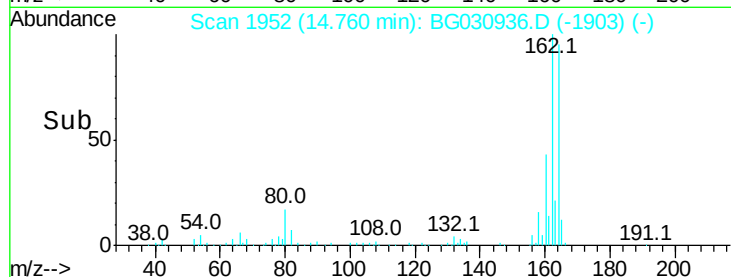
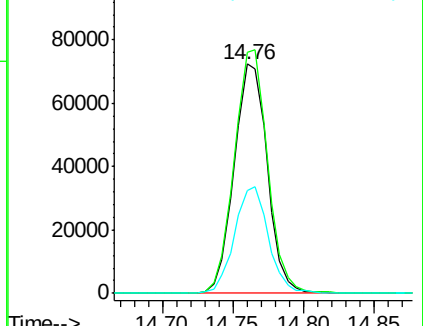
160 45.1 35.4 53.0



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: 181.392 ng

RT: 16.25 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BG030936.D

Acq: 11 Nov 2017 10:15

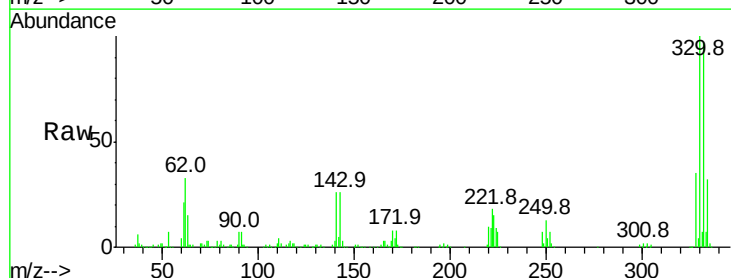
Tgt Ion:330 Resp: 348783

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

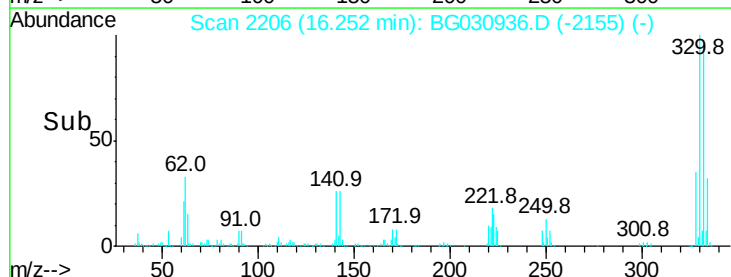
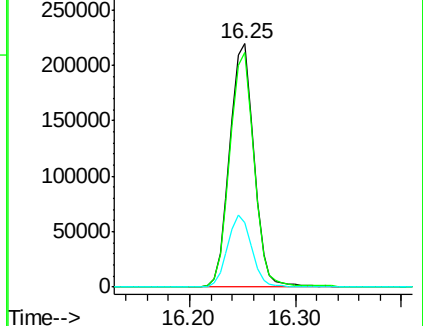
141 29.2 25.2 37.8

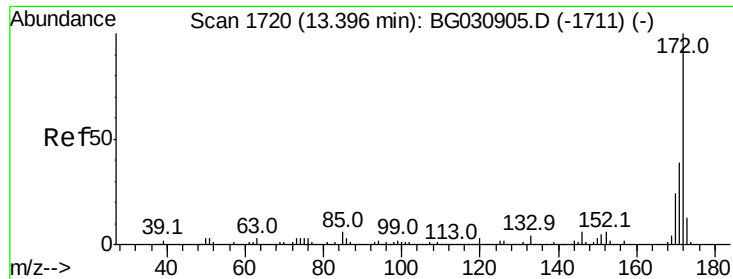


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

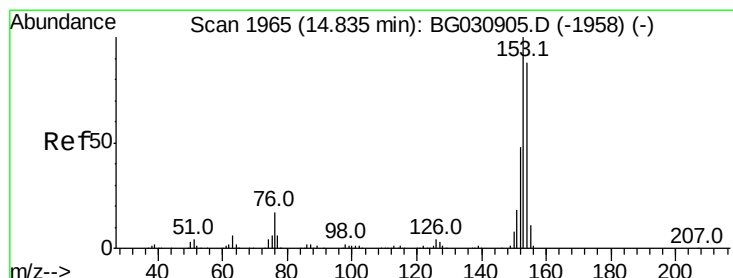
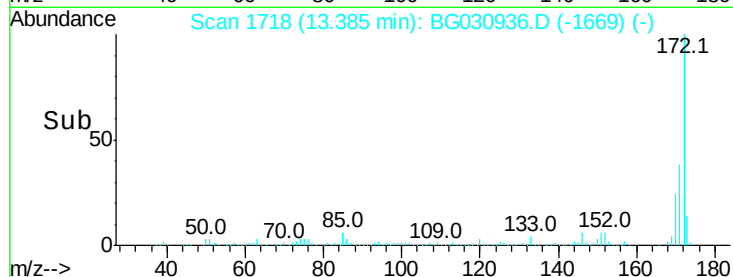
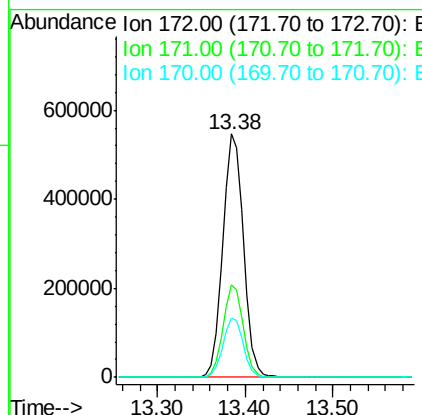
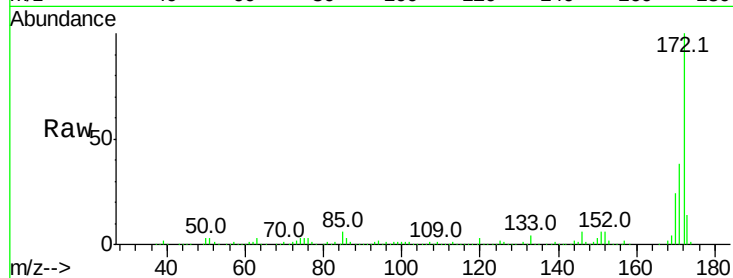




#44
 2-Fluorobiphenyl
 Concen: 108.399 ng
 RT: 13.38 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BG030936.D
 Acq: 11 Nov 2017 10:15

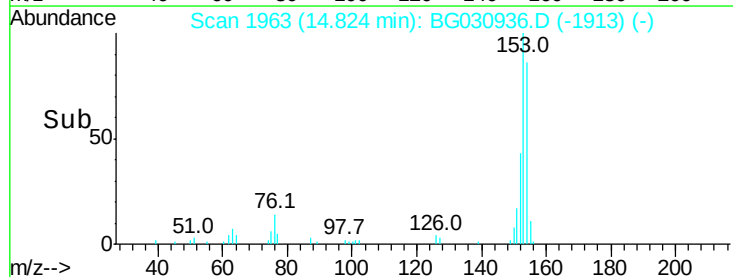
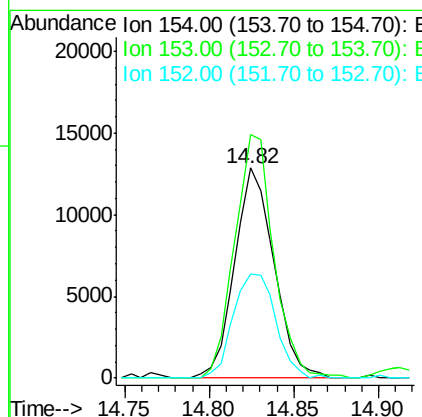
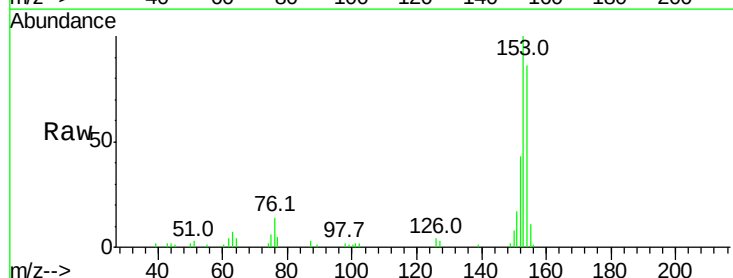
Instrument :
 BNA_G
 ClientSampleId :

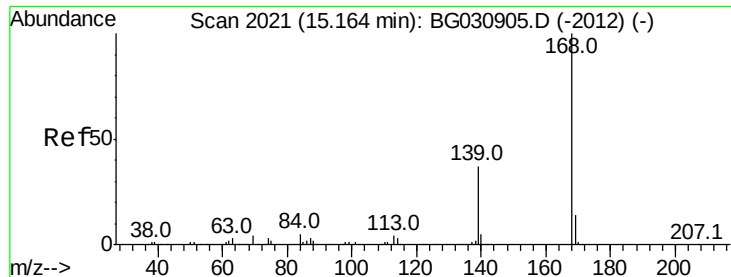
Tot Ion:172 Resp: 896700
 Ion Ratio Lower Upper
 172 100
 171 38.0 30.0 45.0
 170 24.2 19.5 29.3



#51
 Acenaphthene
 Concen: 2.867 ng
 RT: 14.82 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: BG030936.D
 Acq: 11 Nov 2017 10:15

Tgt Ion:154 Resp: 20843
 Ion Ratio Lower Upper
 154 100
 153 115.8 90.4 135.6
 152 49.6 41.6 62.4





#54

Dibenzenofuran

Concen: 2.111 ng

RT: 15.17 min Scan# 2021

Delta R.T. -0.00 min

Lab File: BG030936.D

Acq: 11 Nov 2017 10:15

Instrument :

BNA_G

ClientSampleId :

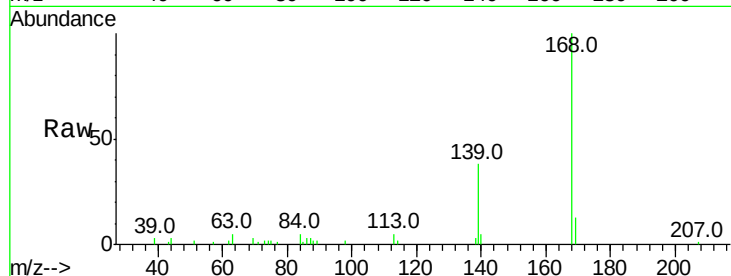
Tot Ion:168 Resp: 24437

Ion Ratio Lower Upper

168 100

139 37.6 28.6 43.0

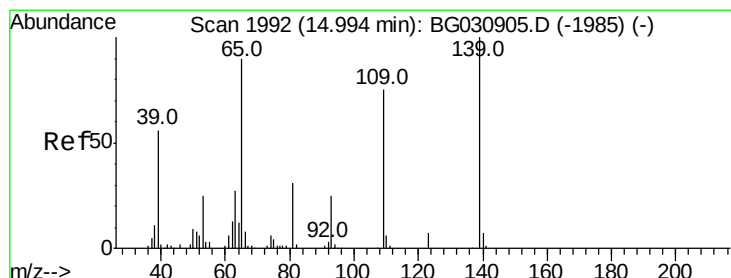
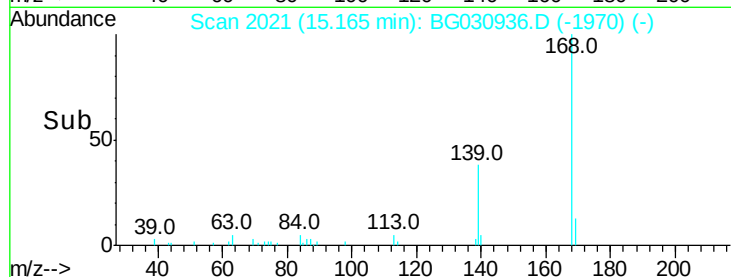
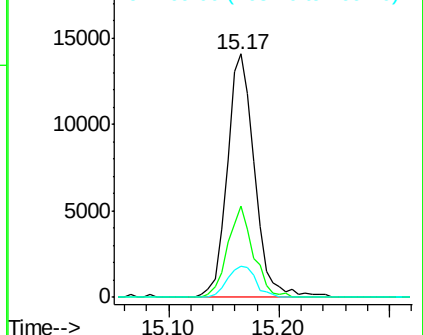
169 12.7 11.2 16.8



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: 5.365 ng

RT: 15.17 min Scan# 2021

Delta R.T. 0.19 min

Lab File: BG030936.D

Acq: 11 Nov 2017 10:15

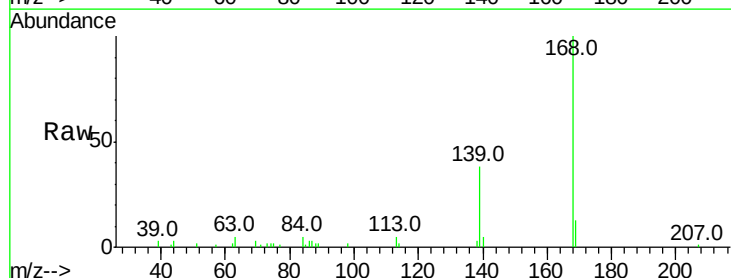
Tgt Ion:139 Resp: 8596

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

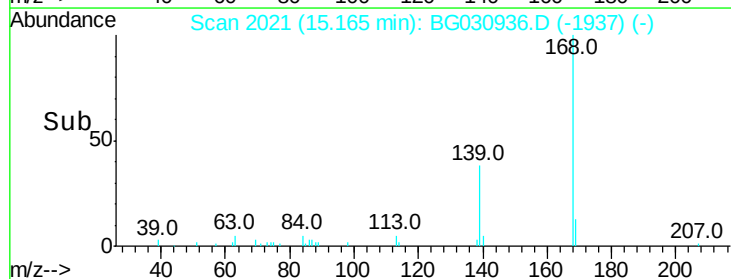
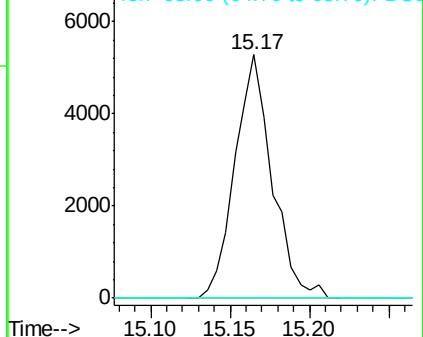
65 0.0 97.2 137.2#

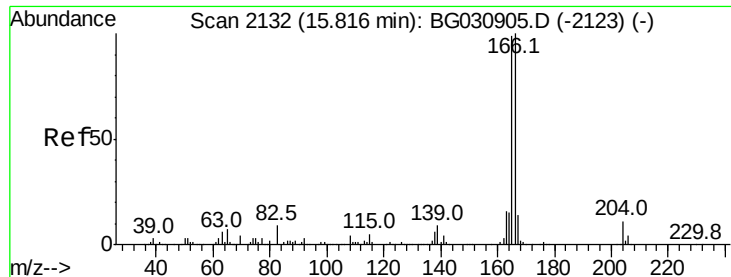


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

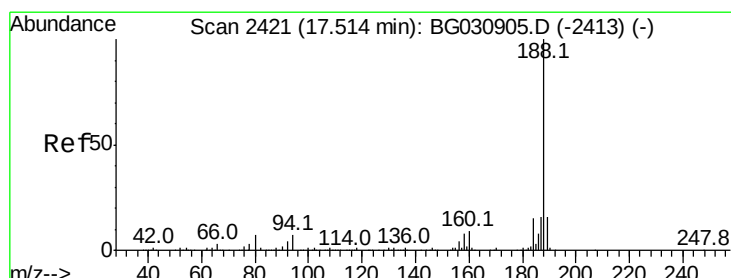
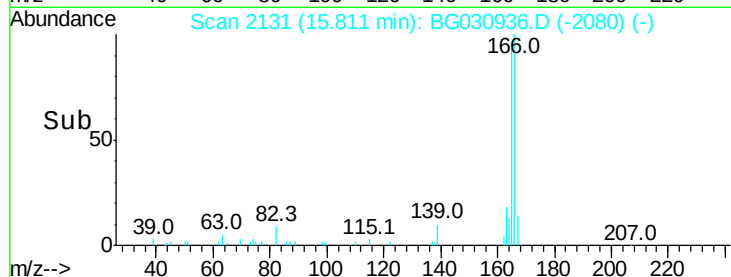
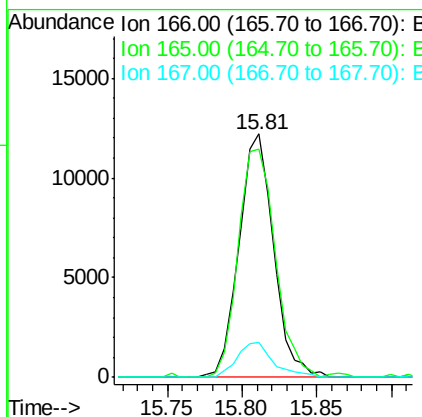
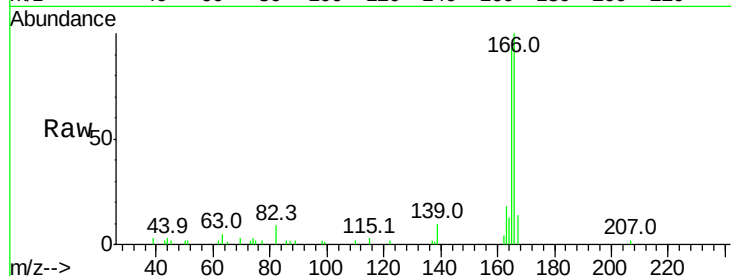




#57
 Fluorene
 Concen: 2.083 ng
 RT: 15.81 min Scan# 2131
 Delta R.T. -0.00 min
 Lab File: BG030936.D
 Acq: 11 Nov 2017 10:15

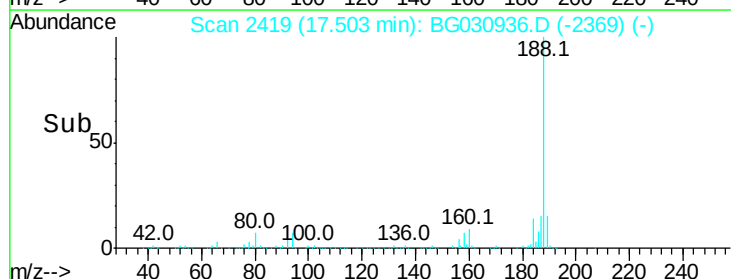
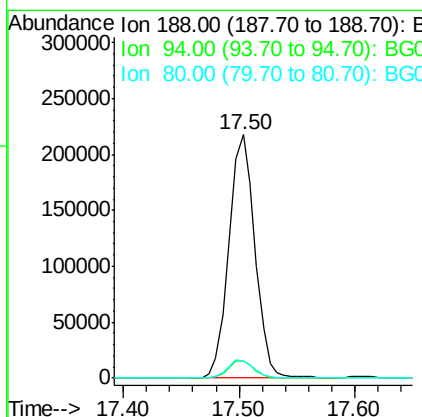
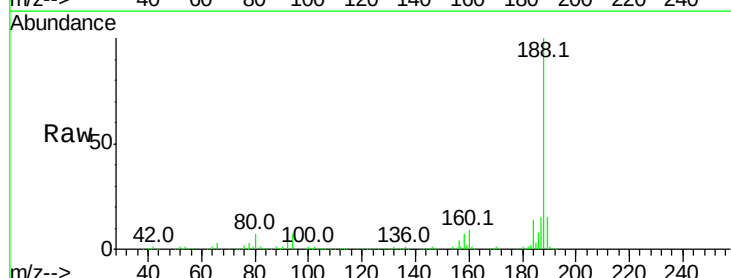
Instrument :
 BNA_G
 ClientSampleId :

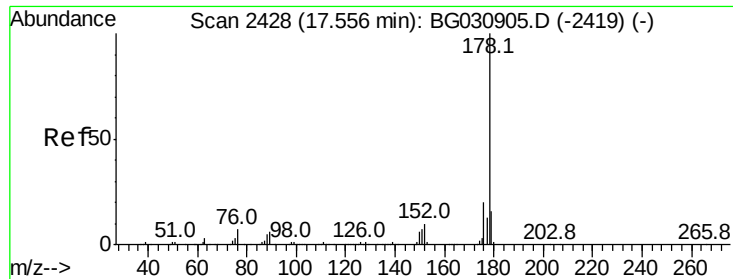
Tot Ion:166 Resp: 19577
 Ion Ratio Lower Upper
 166 100
 165 93.5 80.6 121.0
 167 14.3 10.4 15.6



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.50 min Scan# 2419
 Delta R.T. -0.01 min
 Lab File: BG030936.D
 Acq: 11 Nov 2017 10:15

Tgt Ion:188 Resp: 339457
 Ion Ratio Lower Upper
 188 100
 94 6.9 6.9 10.3
 80 7.2 7.7 11.5#





#70

Phenanthrene

Concen: 2.736 ng

RT: 17.54 min Scan# 2426

Delta R.T. -0.01 min

Lab File: BG030936.D

Acq: 11 Nov 2017 10:15

Instrument :

BNA_G

ClientSampleId :

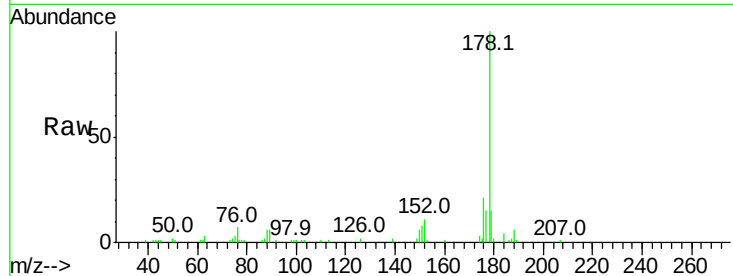
Tot Ion:178 Resp: 48352

Ion Ratio Lower Upper

178 100

176 21.4 15.7 23.5

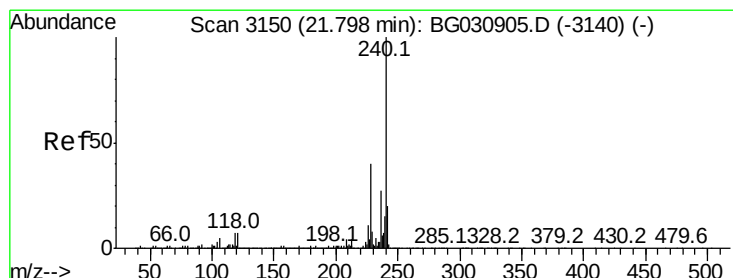
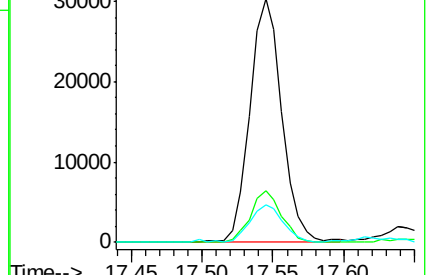
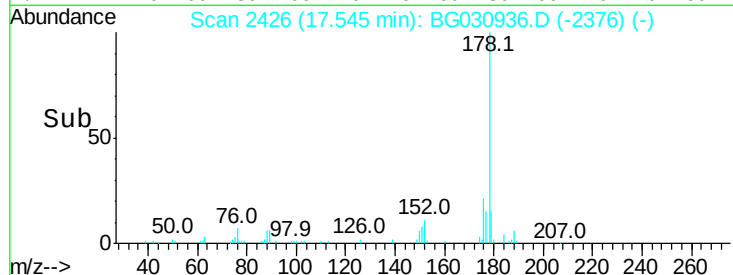
179 15.5 12.5 18.7



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: 20.000 ng

RT: 21.77 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG030936.D

Acq: 11 Nov 2017 10:15

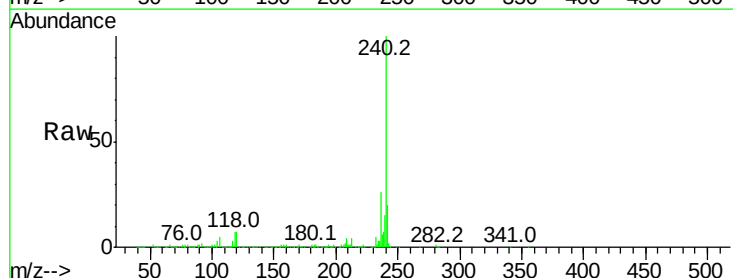
Tgt Ion:240 Resp: 449919

Ion Ratio Lower Upper

240 100

120 6.9 6.8 10.2

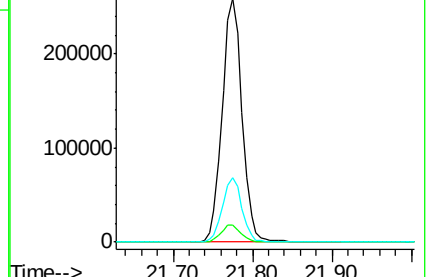
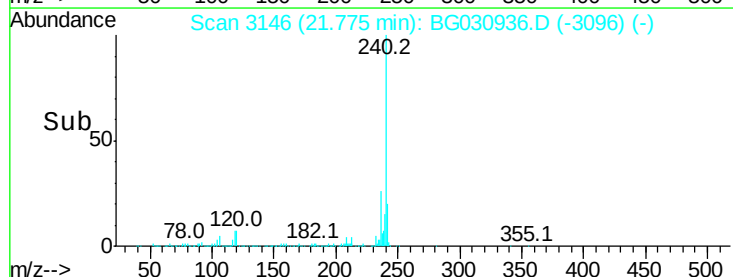
236 26.2 20.9 31.3

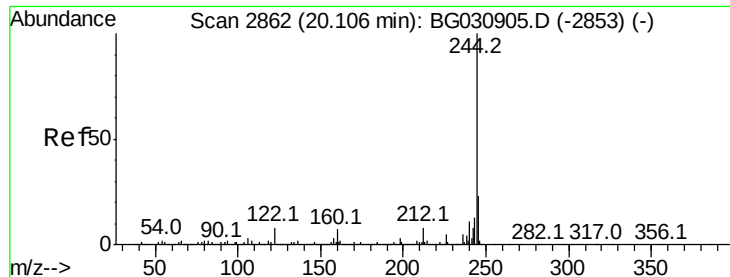


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 95.165 ng

RT: 20.09 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BG030936.D

Acq: 11 Nov 2017 10:15

Instrument :

BNA_G

ClientSampleId :

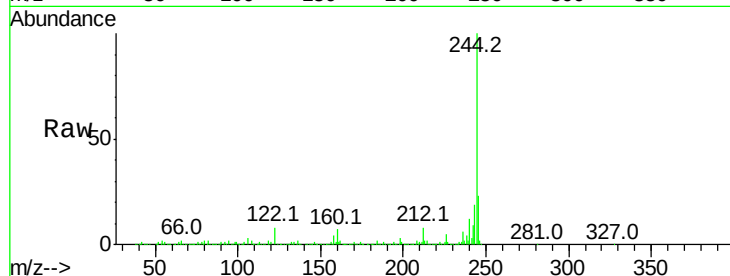
Tot Ion:244 Resp: 1939084

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

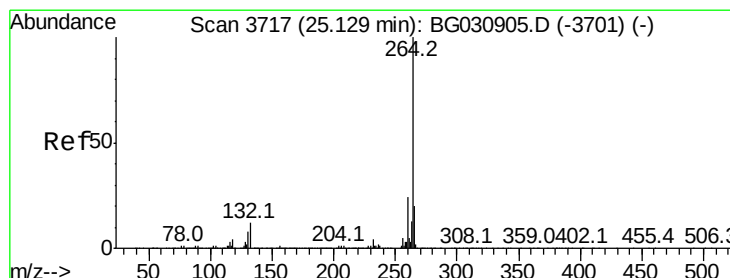
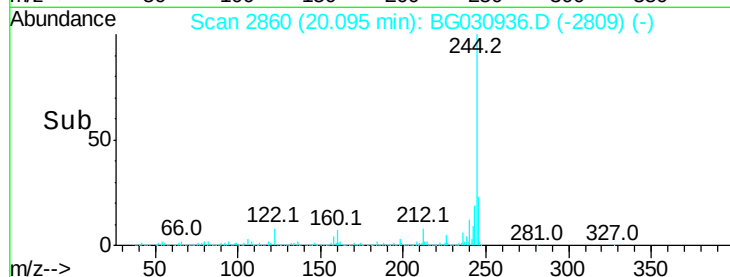
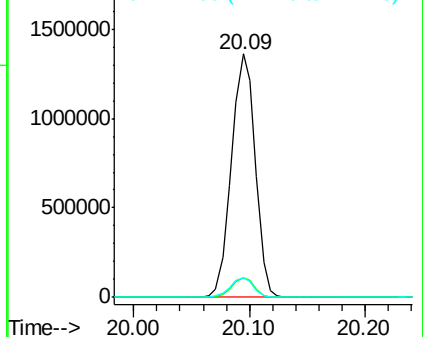
122 8.1 7.0 10.4



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: 25.08 min Scan# 3708

Delta R.T. -0.01 min

Lab File: BG030936.D

Acq: 11 Nov 2017 10:15

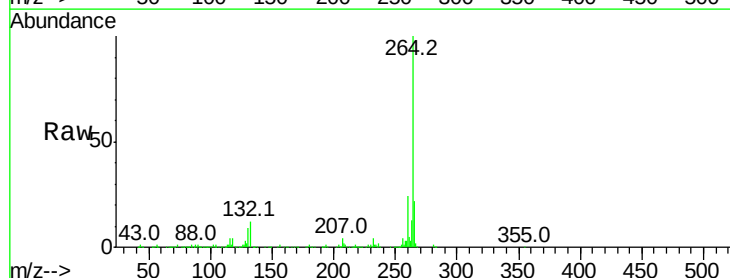
Tgt Ion:264 Resp: 451234

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

265 21.7 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

