

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102317\
 Data File : BG029406.D
 Acq On : 23 Oct 2017 19:32
 Operator : SJ/JU
 Sample : I6062-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S-1-A

Quant Time: Oct 24 05:52:37 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 17:32:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	74582	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	325131	20.00	ng	0.00
38) Acenaphthene-d10	14.78	164	214513	20.00	ng	0.00
63) Phenanthrene-d10	17.52	188	560979	20.00	ng	0.00
75) Chrysene-d12	21.79	240	630011	20.00	ng	-0.02
86) Perylene-d12	25.09	264	629635	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	519377	116.33	ng	0.00
7) Phenol-d6	7.32	99	626704	100.01	ng	0.00
23) Nitrobenzene-d5	9.33	82	435385	85.10	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	373176	134.74	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	1128827	77.18	ng	0.00
78) Terphenyl-d14	20.11	244	2069342	74.72	ng	0.00

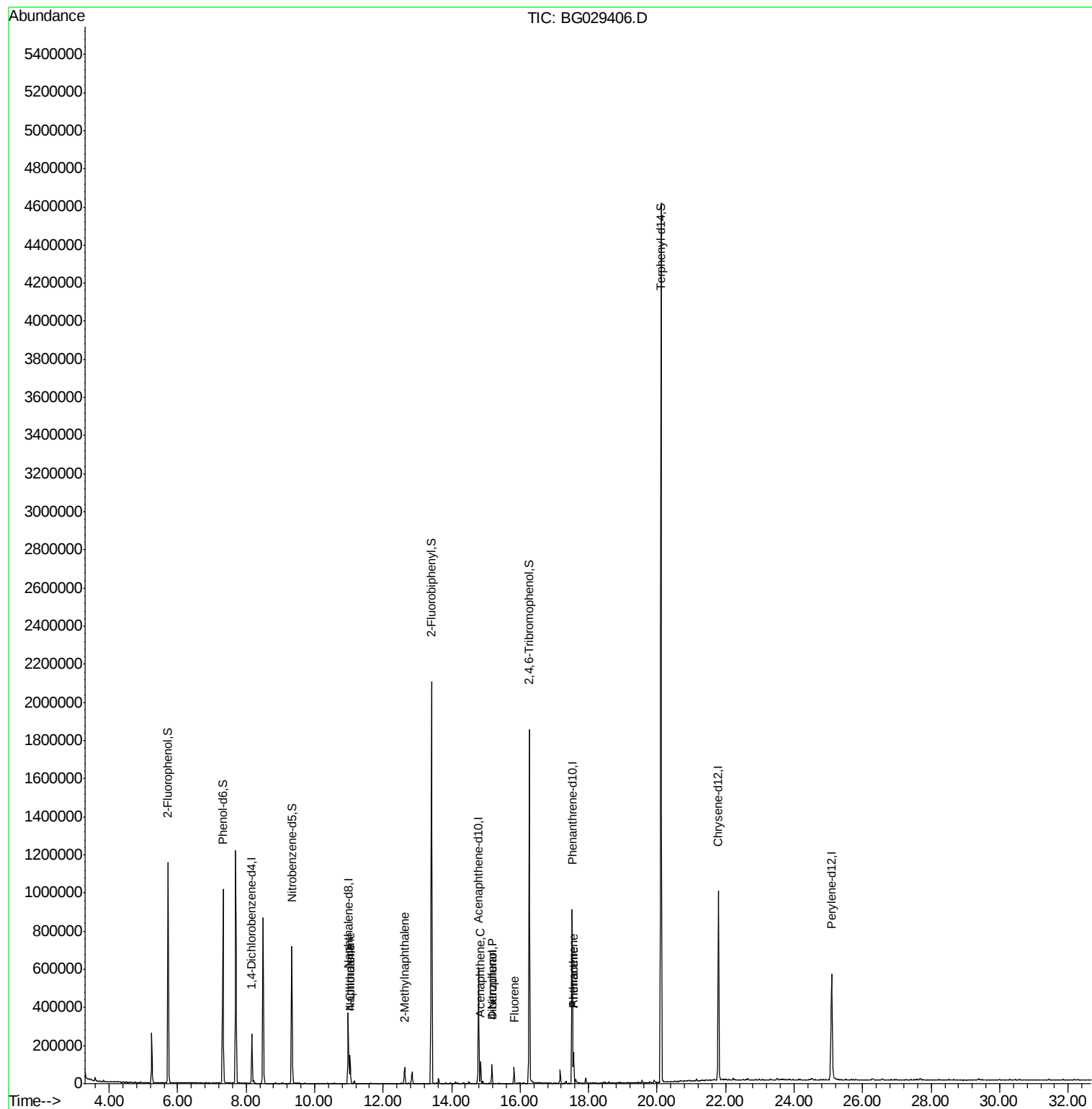
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	11.03	128	130089	8.03	ng	98
33) 4-Chloroaniline	11.03	127	17726	2.60	ng	# 32
37) 2-Methylnaphthalene	12.63	142	43093	3.65	ng	92
51) Acenaphthene	14.84	154	42484	3.10	ng	99
54) Dibenzofuran	15.18	168	68163	3.49	ng	98
55) 4-Nitrophenol	15.18	139	23418	7.50	ng	# 1
57) Fluorene	15.82	166	39347	2.44	ng	96
70) Phenanthrene	17.56	178	102732	3.54	ng	100
71) Anthracene	17.56	178	102732	3.53	ng	99

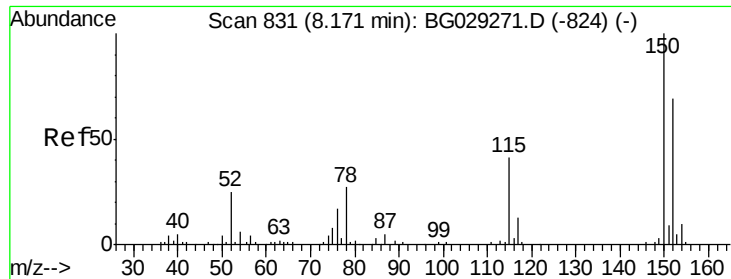
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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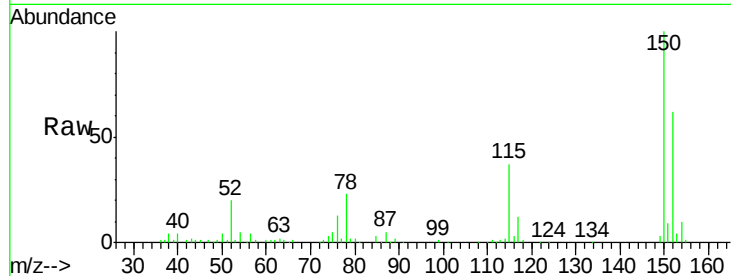


#1

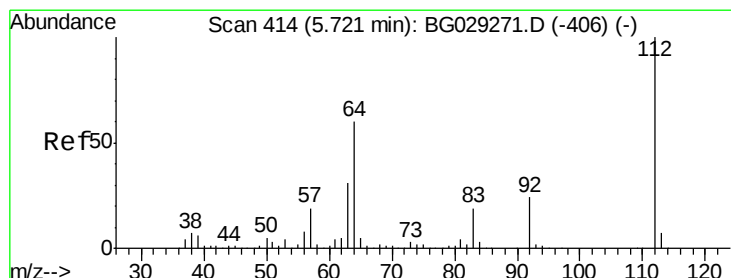
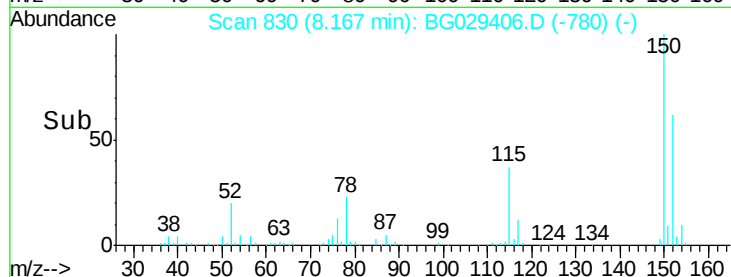
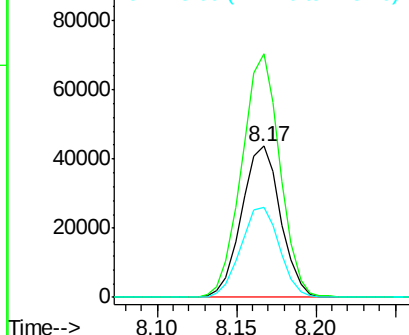
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.17 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG029406.D
Acq: 23 Oct 2017 19:32

Instrument :
BNA_G
ClientSampleId :
S-1-A

Tot Ion:152 Resp: 74582
Ion Ratio Lower Upper
152 100
150 161.2 126.6 189.8
115 59.5 53.0 79.4



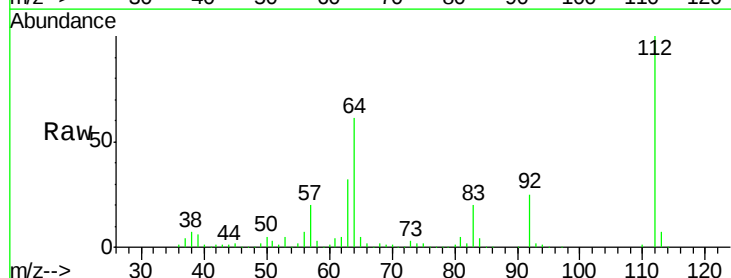
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



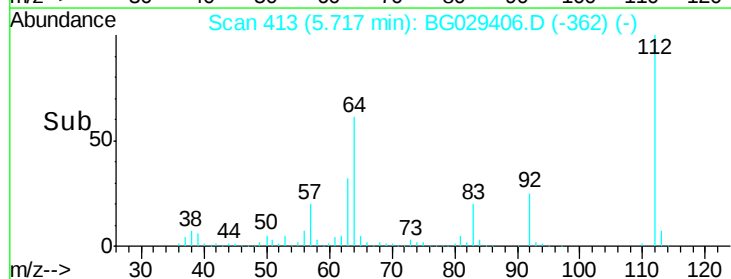
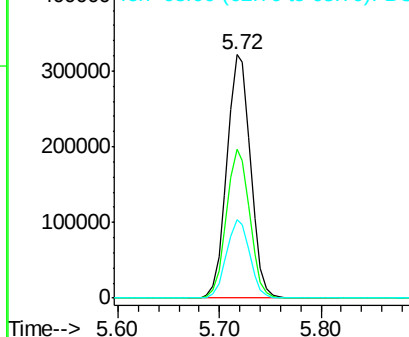
#5

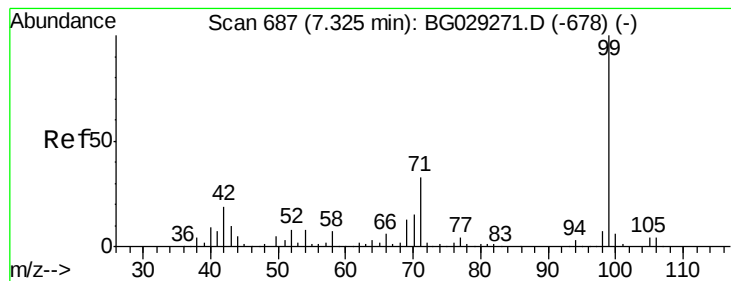
2-Fluorophenol
Concen: 116.33 ng
RT: 5.72 min Scan# 413
Delta R.T. -0.00 min
Lab File: BG029406.D
Acq: 23 Oct 2017 19:32

Tgt Ion:112 Resp: 519377
Ion Ratio Lower Upper
112 100
64 61.1 56.3 84.5
63 32.1 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: 100.01 ng

RT: 7.32 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG029406.D

Acq: 23 Oct 2017 19:32

Instrument :

BNA_G

ClientSampleId :

S-1-A

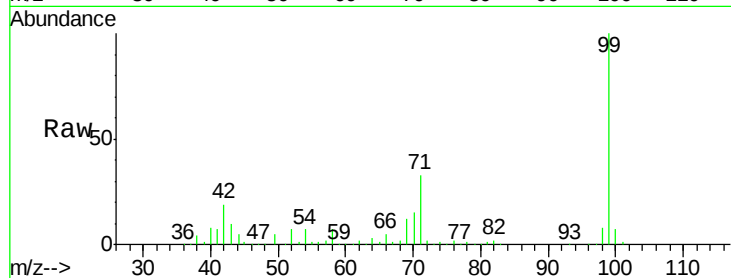
Tot Ion: 99 Resp: 626704

Ion Ratio Lower Upper

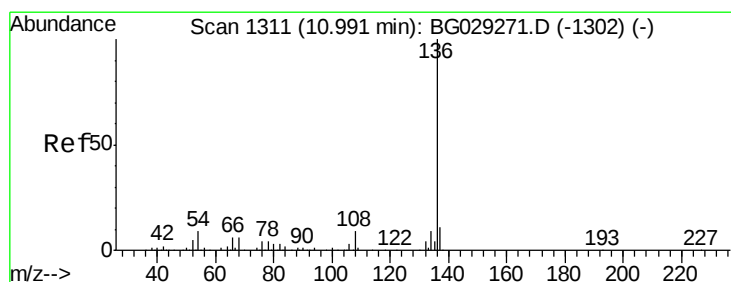
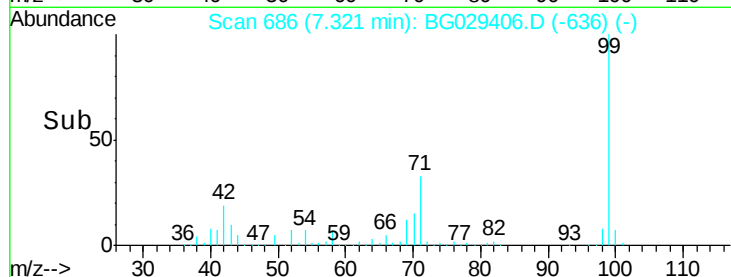
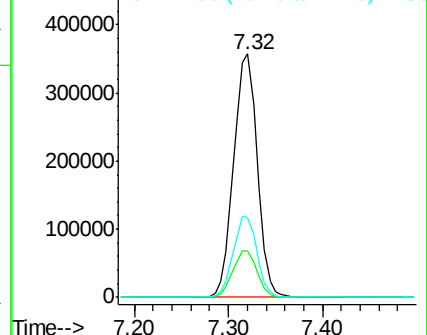
99 100

42 19.3 14.1 21.1

71 33.0 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: 10.98 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BG029406.D

Acq: 23 Oct 2017 19:32

Tgt Ion: 136 Resp: 325131

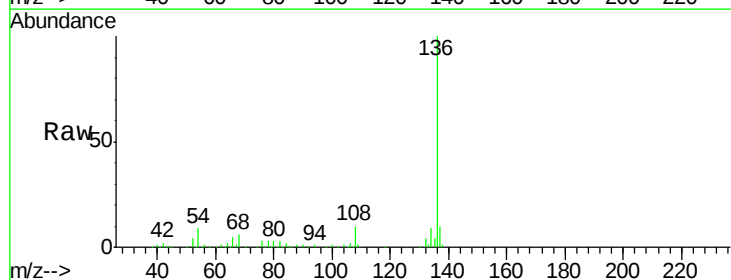
Ion Ratio Lower Upper

136 100

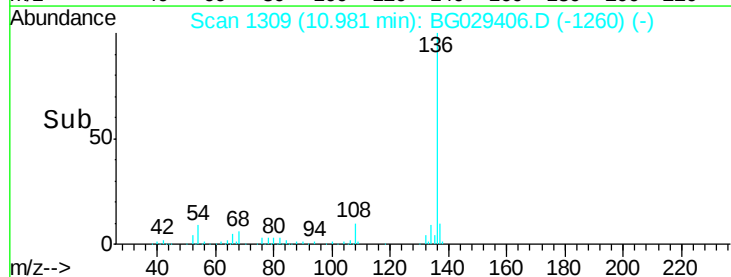
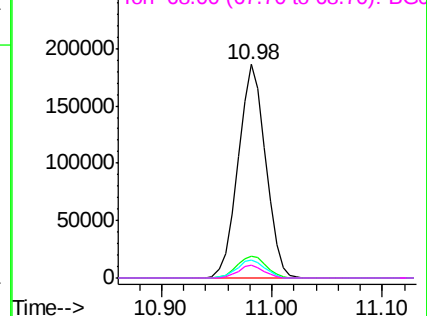
137 10.5 9.2 13.8

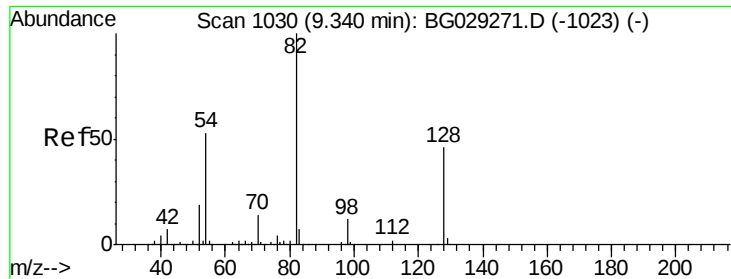
54 8.5 10.3 15.5#

68 5.8 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

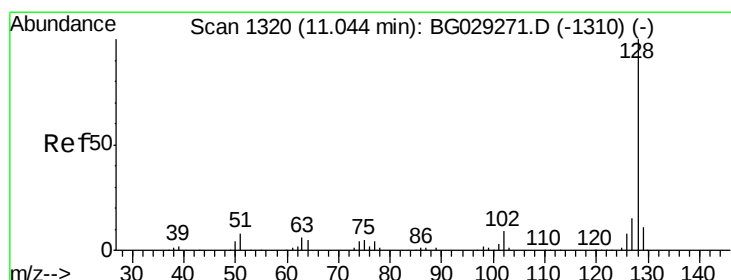
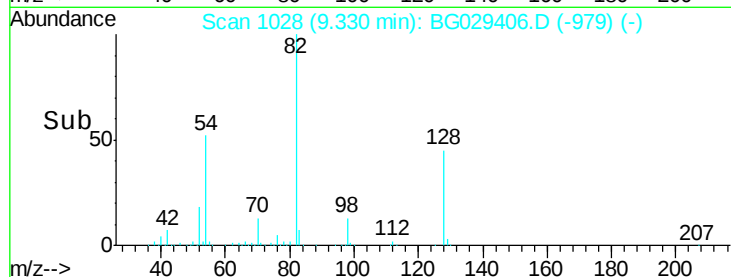
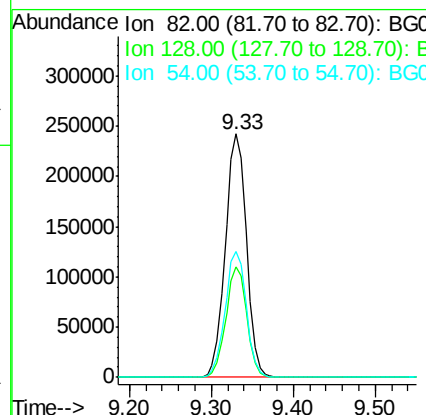
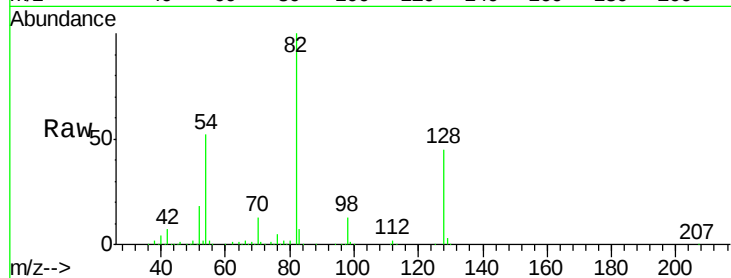




#23
 Nitrobenzene-d5
 Concen: 85.10 ng
 RT: 9.33 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: BG029406.D
 Acq: 23 Oct 2017 19:32

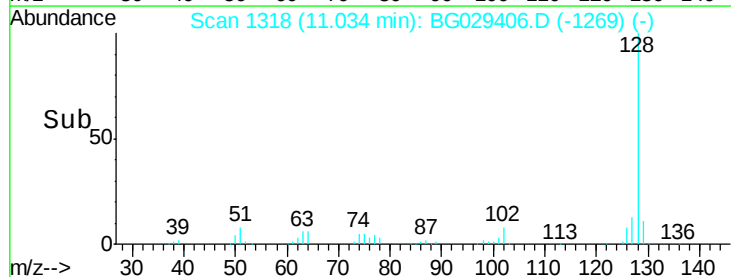
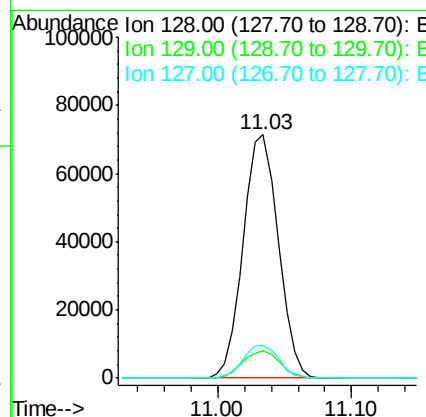
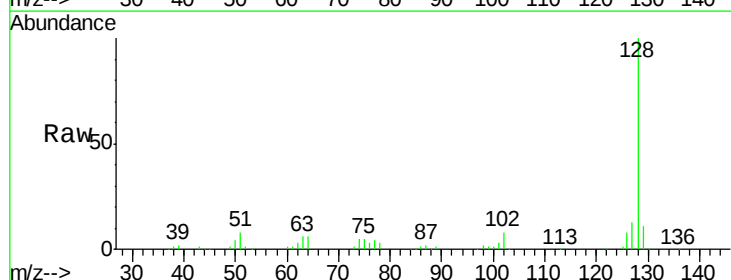
Instrument :
 BNA_G
 ClientSampleId :
 S-1-A

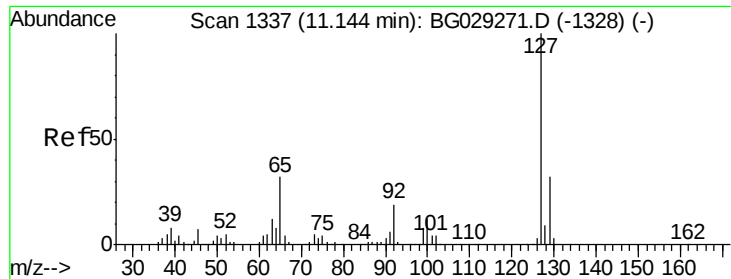
Tot Ion: 82 Resp: 435385
 Ion Ratio Lower Upper
 82 100
 128 45.5 29.7 44.5#
 54 51.6 43.1 64.7



#31
 Naphthalene
 Concen: 8.03 ng
 RT: 11.03 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BG029406.D
 Acq: 23 Oct 2017 19:32

Tgt Ion: 128 Resp: 130089
 Ion Ratio Lower Upper
 128 100
 129 11.0 8.6 12.8
 127 13.4 11.6 17.4

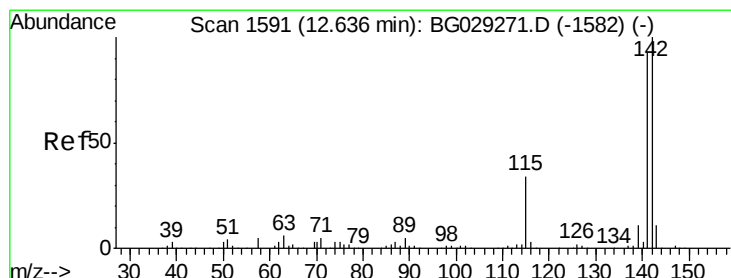
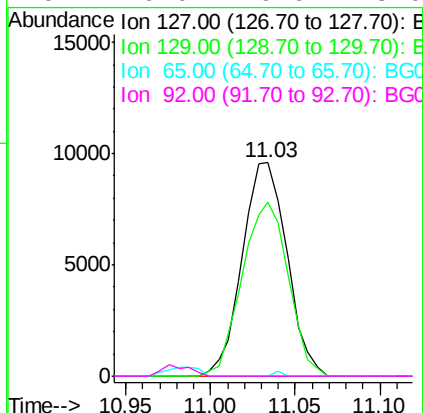
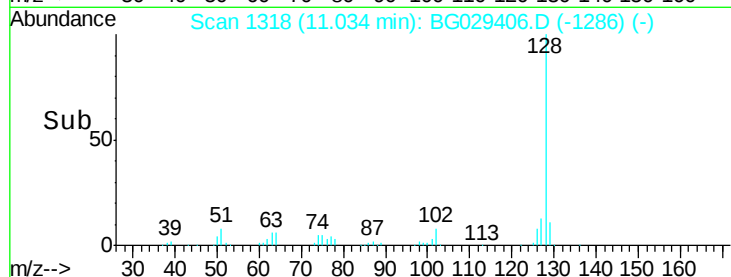
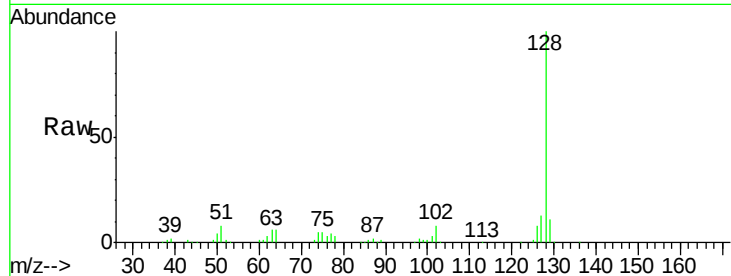




#33
4-Chloroaniline
Concen: 2.60 ng
RT: 11.03 min Scan# 1318
Delta R.T. -0.11 min
Lab File: BG029406.D
Acq: 23 Oct 2017 19:32

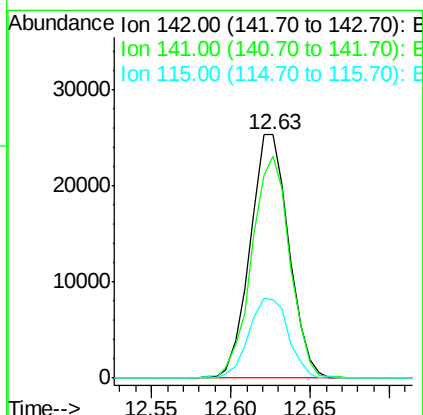
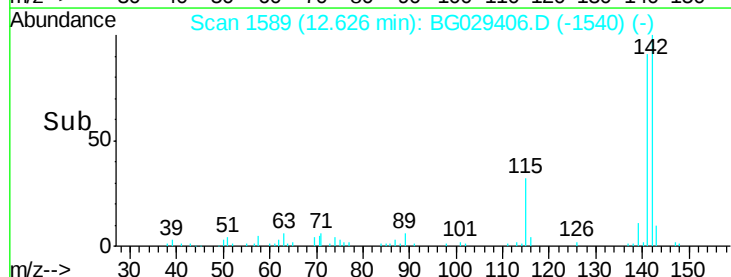
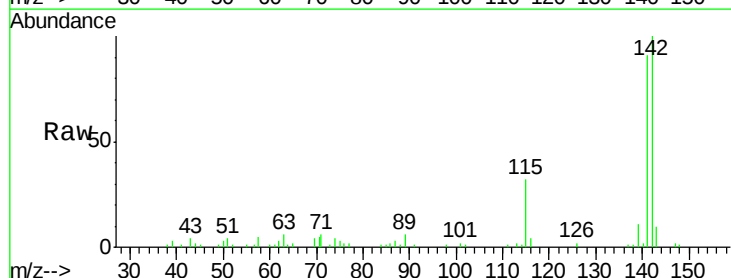
Instrument :
BNA_G
ClientSampleId :
S-1-A

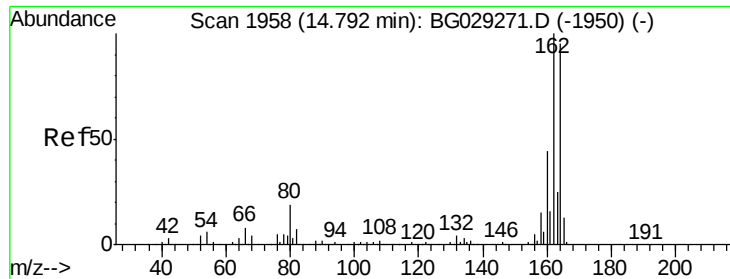
Tot Ion:	127	Resp:	17726
Ion	Ratio	Lower	Upper
127	100		
129	81.6	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#



#37
2-Methylnaphthalene
Concen: 3.65 ng
RT: 12.63 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BG029406.D
Acq: 23 Oct 2017 19:32

Tgt Ion:	142	Resp:	43093
Ion	Ratio	Lower	Upper
142	100		
141	90.9	67.1	100.7
115	32.3	30.7	46.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.78 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BG029406.D

Acq: 23 Oct 2017 19:32

Instrument :

BNA_G

ClientSampleId :

S-1-A

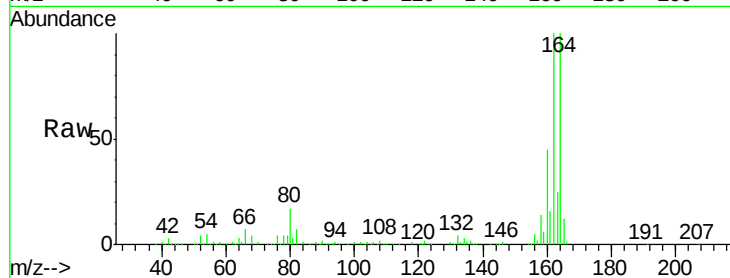
Tot Ion:164 Resp: 214513

Ion Ratio Lower Upper

164 100

162 99.8 78.8 118.2

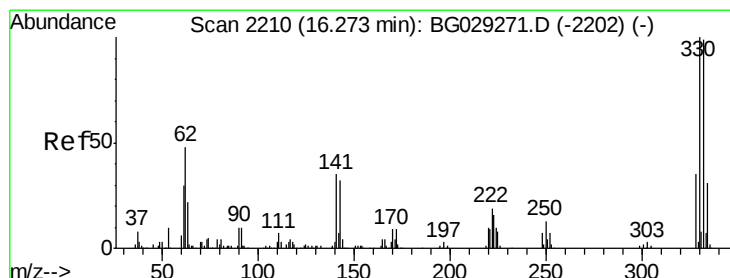
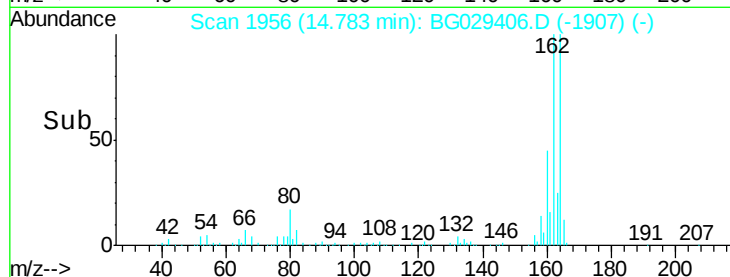
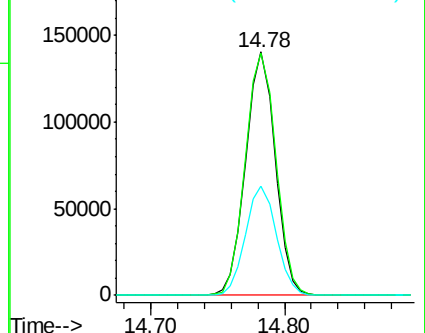
160 44.8 35.4 53.0



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: 134.74 ng

RT: 16.26 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BG029406.D

Acq: 23 Oct 2017 19:32

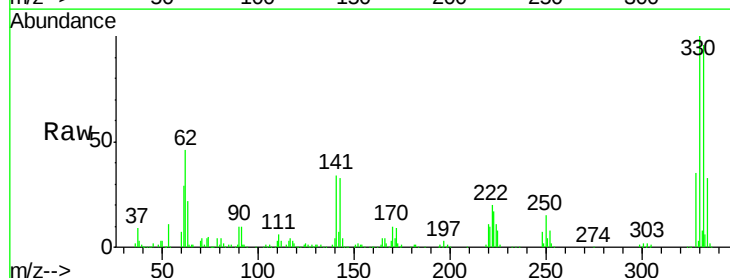
Tgt Ion:330 Resp: 373176

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

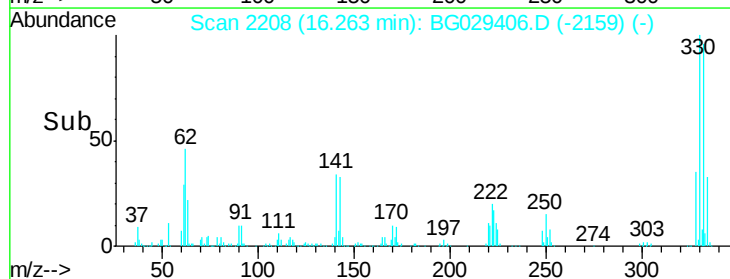
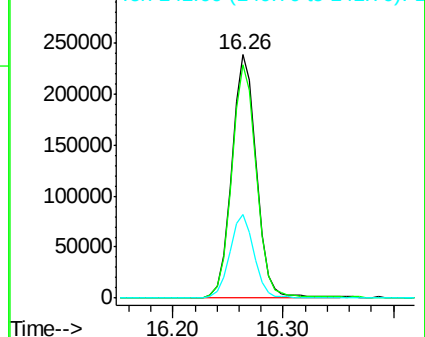
141 34.1 25.2 37.8

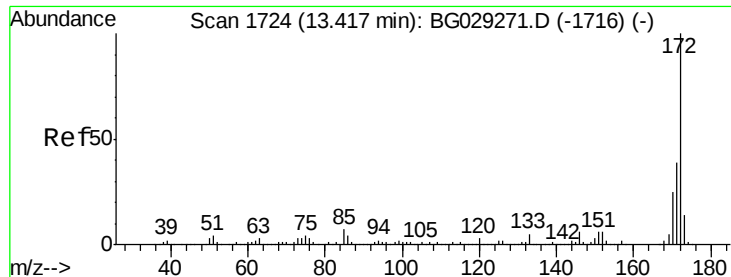


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



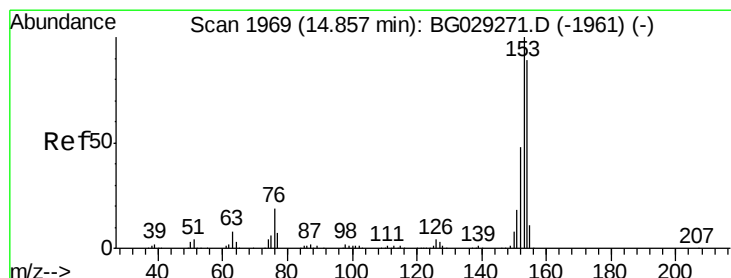
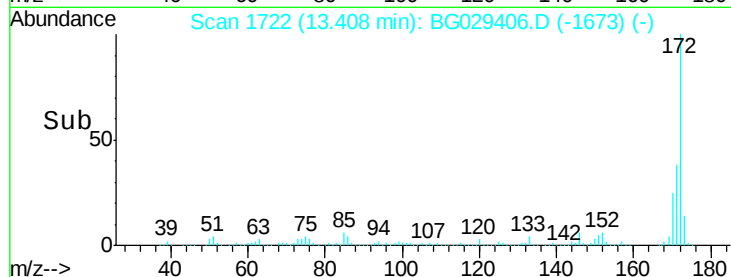
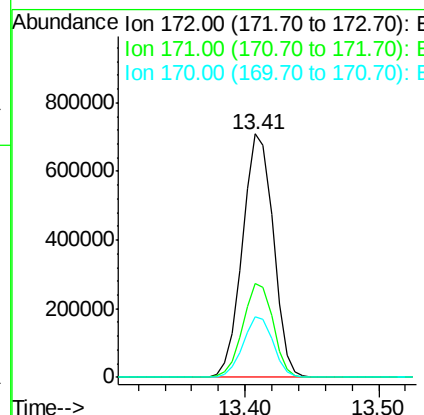
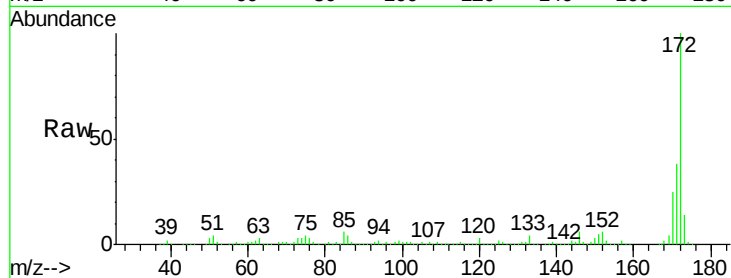


#44
 2-Fluorobiphenyl
 Concen: 77.18 ng
 RT: 13.41 min Scan# 1722
 Delta R.T. -0.01 min
 Lab File: BG029406.D
 Acq: 23 Oct 2017 19:32

Instrument :
 BNA_G
 ClientSampleId :
 S-1-A

Tot Ion:172 Resp: 1128827

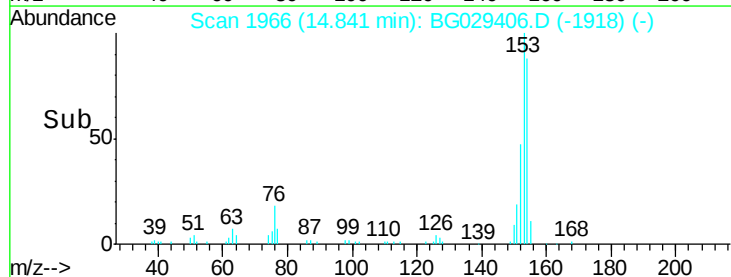
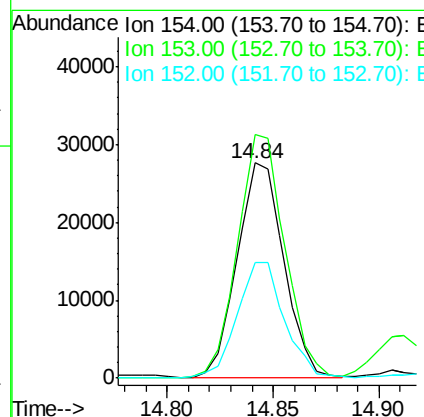
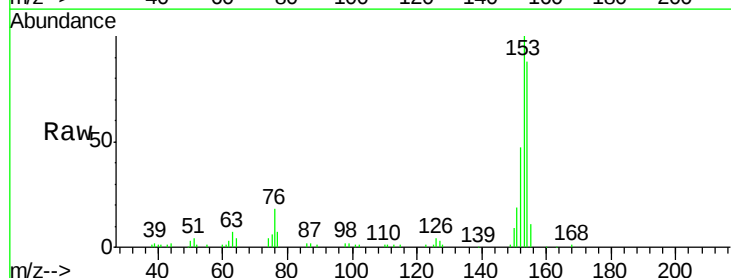
Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.0	45.0
170	25.0	19.5	29.3

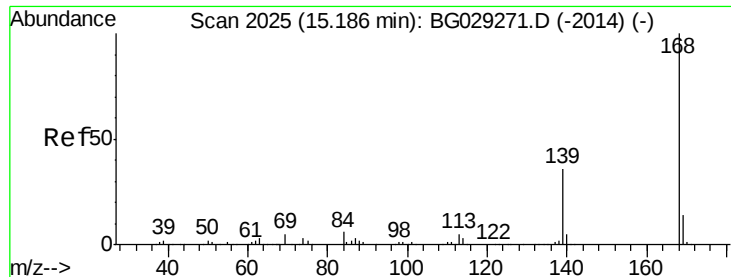


#51
 Acenaphthene
 Concen: 3.10 ng
 RT: 14.84 min Scan# 1966
 Delta R.T. -0.02 min
 Lab File: BG029406.D
 Acq: 23 Oct 2017 19:32

Tgt Ion:154 Resp: 42484

Ion	Ratio	Lower	Upper
154	100		
153	113.2	90.4	135.6
152	53.6	41.6	62.4

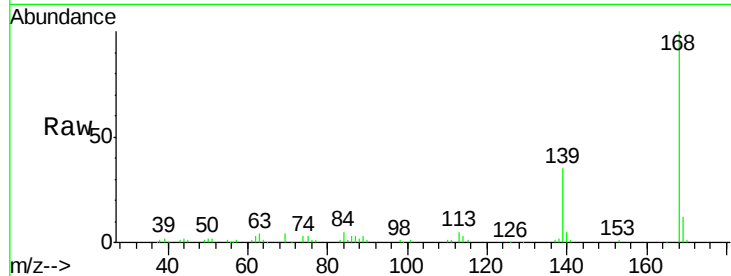




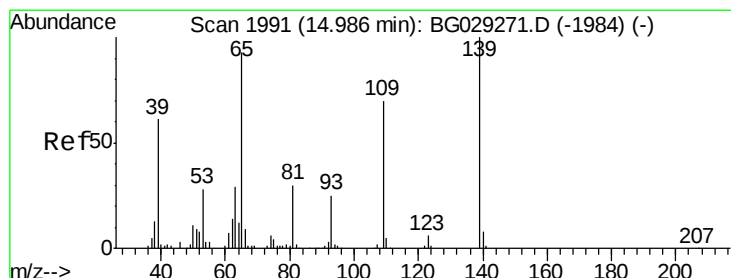
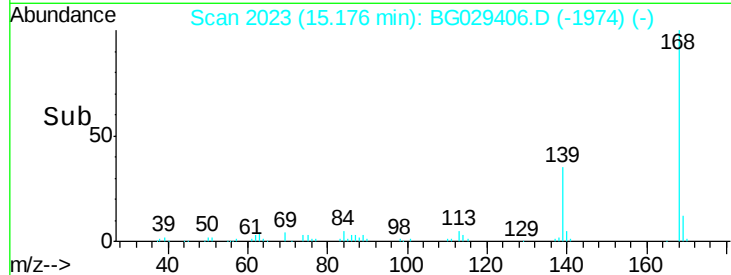
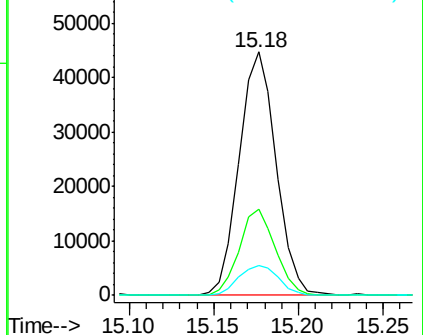
#54
Dibenzenofuran
Concen: 3.49 ng
RT: 15.18 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BG029406.D
Acq: 23 Oct 2017 19:32

Instrument :
BNA_G
ClientSampleId :
S-1-A

Tot Ion:168 Resp: 68163
Ion Ratio Lower Upper
168 100
139 35.3 28.6 43.0
169 12.5 11.2 16.8

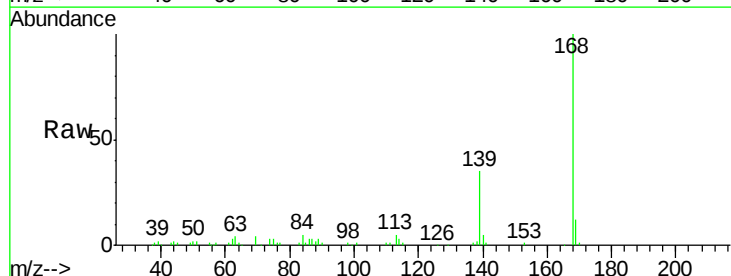


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

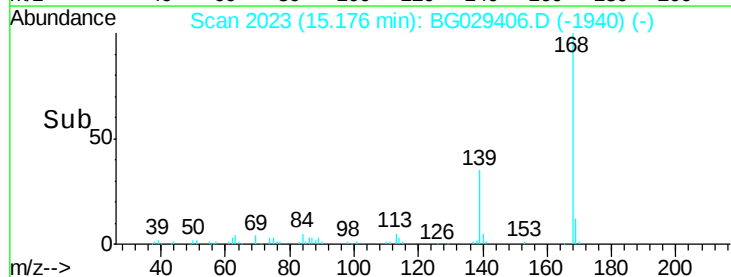
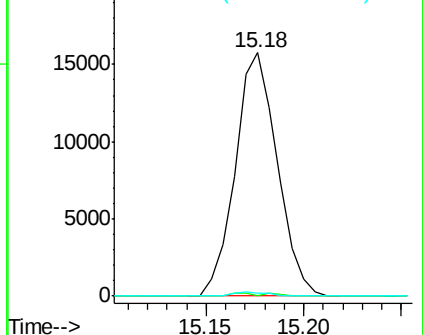


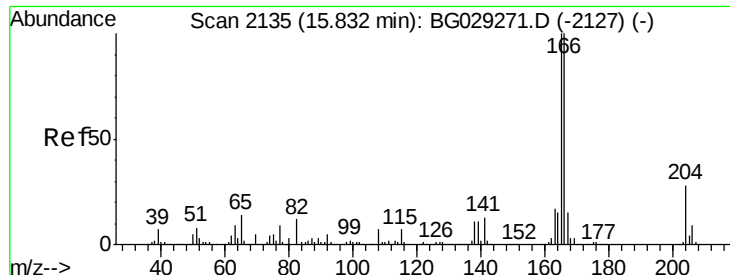
#55
4-Nitrophenol
Concen: 7.50 ng
RT: 15.18 min Scan# 2023
Delta R.T. 0.19 min
Lab File: BG029406.D
Acq: 23 Oct 2017 19:32

Tgt Ion:139 Resp: 23418
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 1.4 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): BGO





#57

Fluorene

Concen: 2.44 ng

RT: 15.82 min Scan# 2133

Delta R.T. -0.01 min

Lab File: BG029406.D

Acq: 23 Oct 2017 19:32

Instrument :

BNA_G

ClientSampleId :

S-1-A

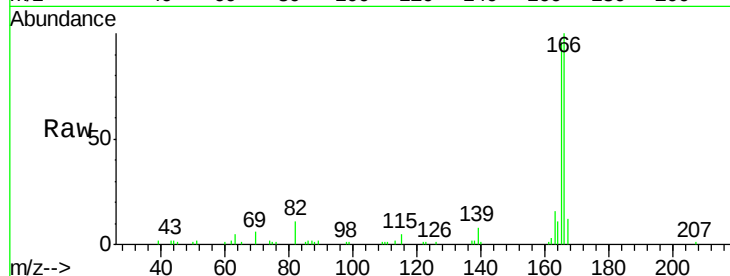
Tot Ion:166 Resp: 39347

Ion Ratio Lower Upper

166 100

165 96.3 80.6 121.0

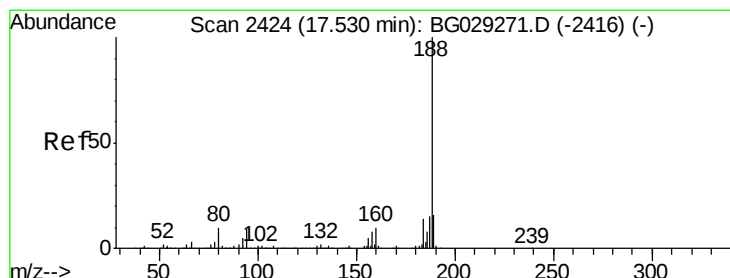
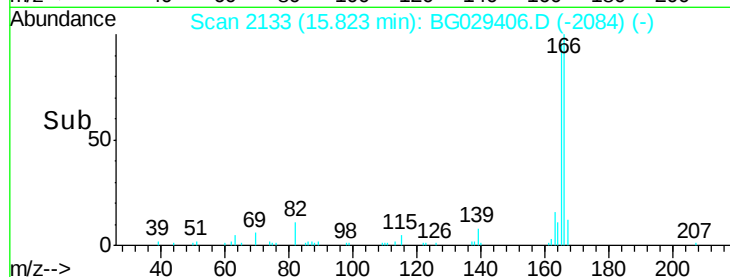
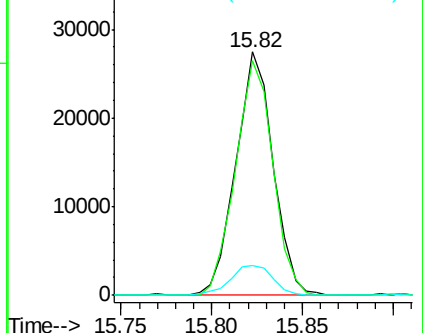
167 12.3 10.4 15.6



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: 17.52 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG029406.D

Acq: 23 Oct 2017 19:32

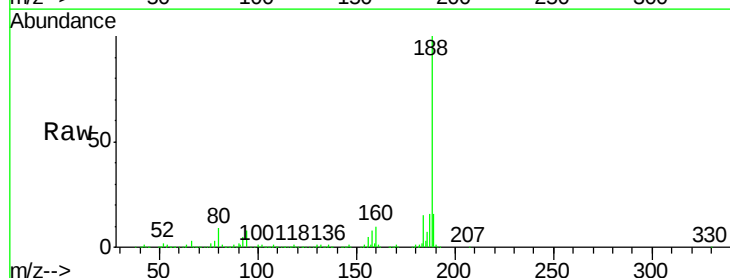
Tgt Ion:188 Resp: 560979

Ion Ratio Lower Upper

188 100

94 7.6 6.9 10.3

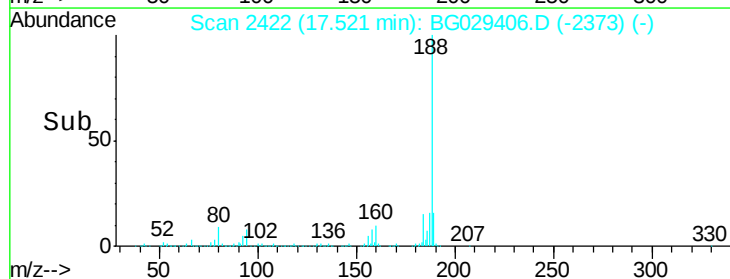
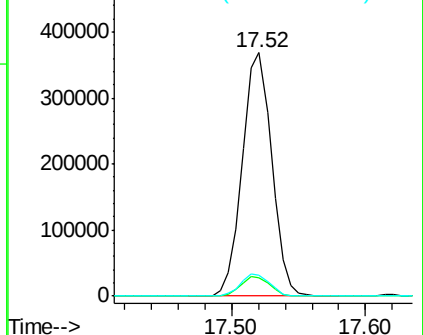
80 8.6 7.7 11.5

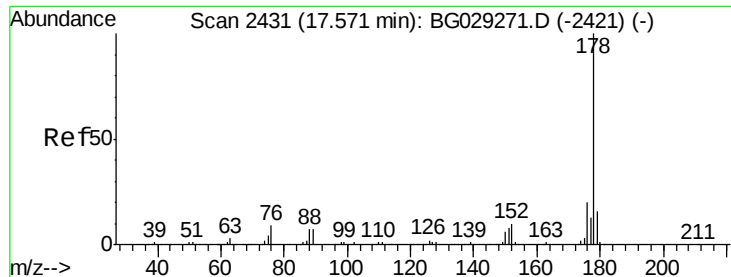


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 3.54 ng

RT: 17.56 min Scan# 2429

Delta R.T. -0.01 min

Lab File: BG029406.D

Acq: 23 Oct 2017 19:32

Instrument :

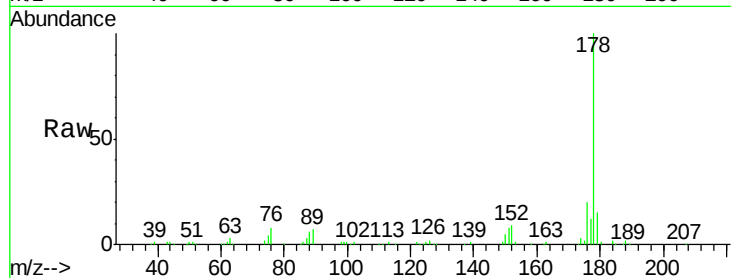
BNA_G

ClientSampleId :

S-1-A

Tot Ion:178 Resp: 102732

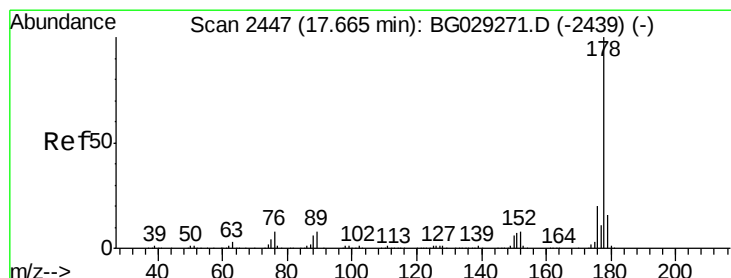
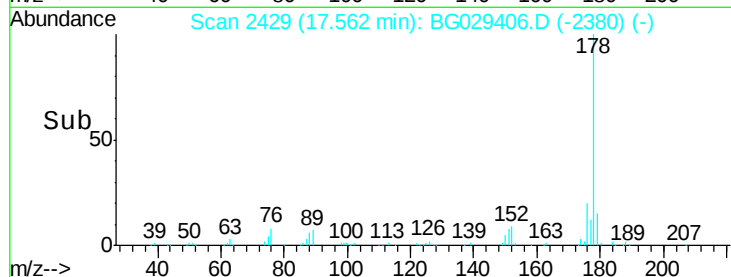
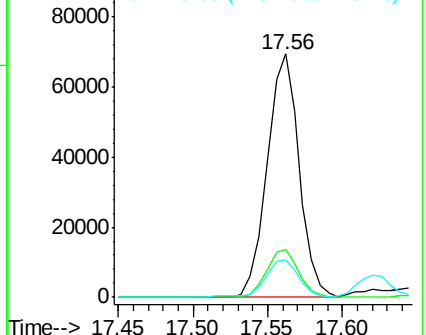
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.5	12.5	18.7



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



#71

Anthracene

Concen: 3.53 ng

RT: 17.56 min Scan# 2429

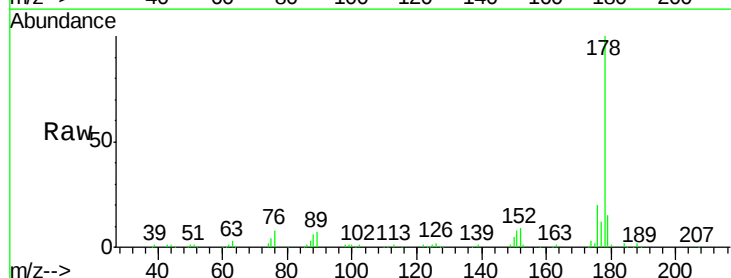
Delta R.T. -0.10 min

Lab File: BG029406.D

Acq: 23 Oct 2017 19:32

Tgt Ion:178 Resp: 102732

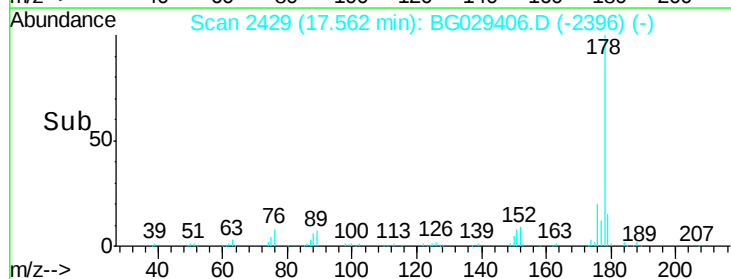
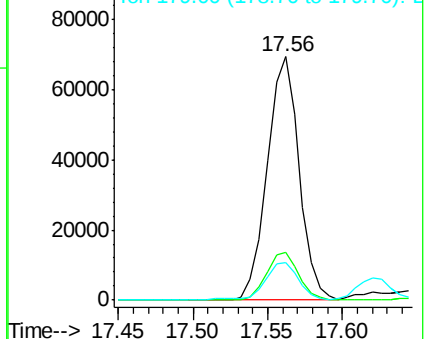
Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.0	24.0
179	15.5	12.5	18.7

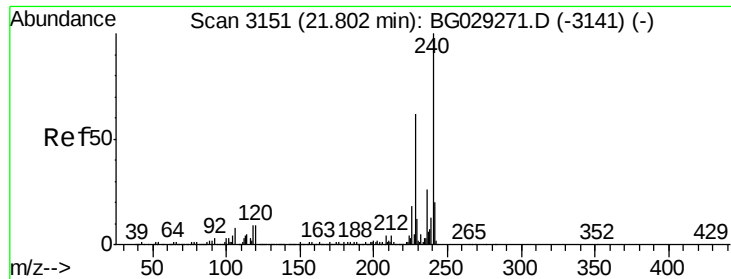


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.79 min Scan# 3148

Delta R.T. -0.02 min

Lab File: BG029406.D

Acq: 23 Oct 2017 19:32

Instrument :

BNA_G

ClientSampleId :

S-1-A

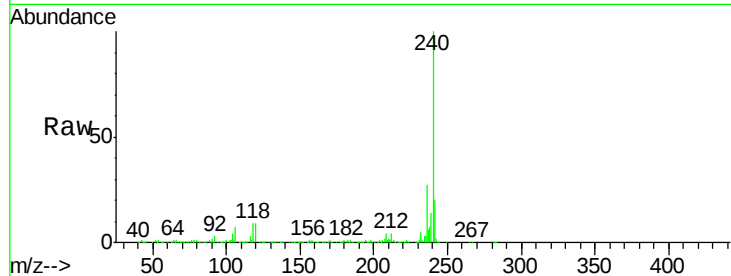
Tot Ion:240 Resp: 630011

Ion Ratio Lower Upper

240 100

120 9.2 6.8 10.2

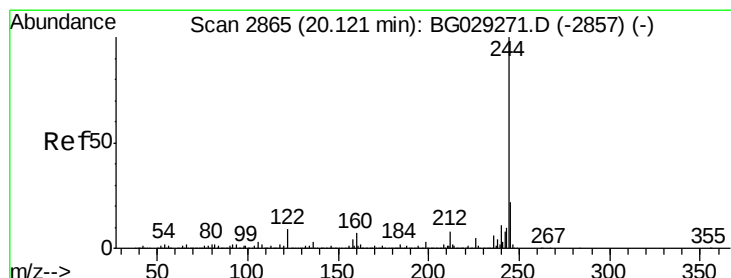
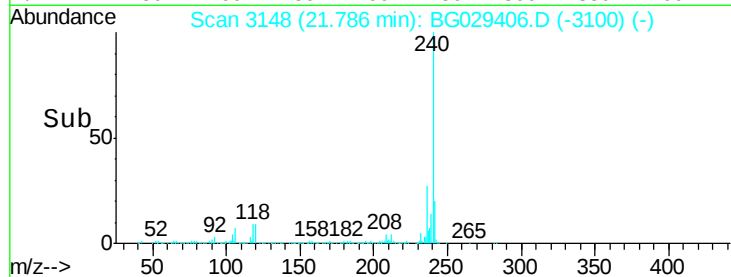
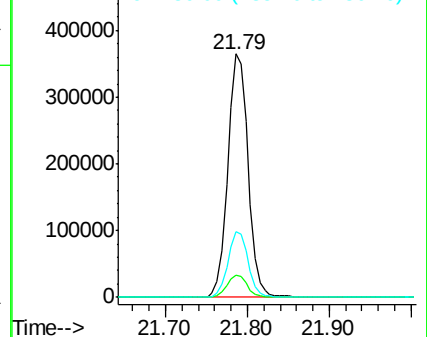
236 26.8 20.9 31.3



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: 74.72 ng

RT: 20.11 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BG029406.D

Acq: 23 Oct 2017 19:32

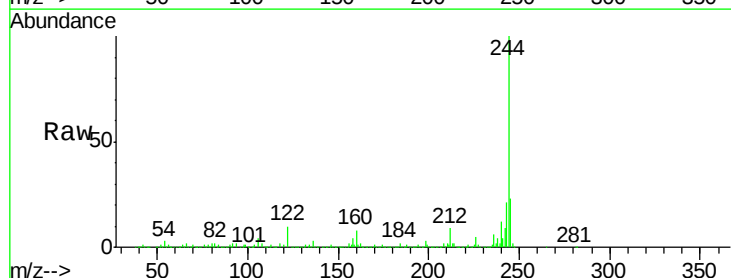
Tgt Ion:244 Resp: 2069342

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

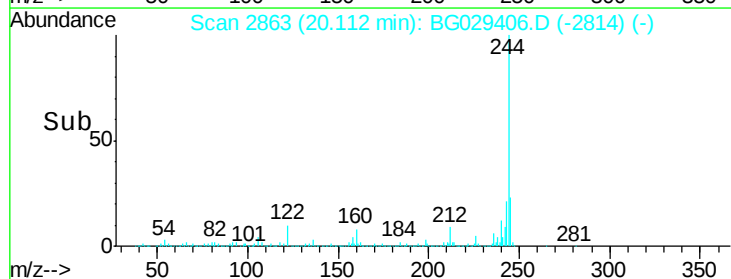
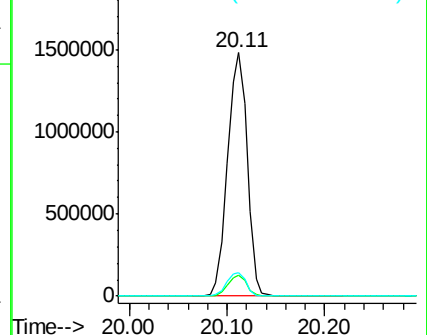
122 9.8 7.0 10.4

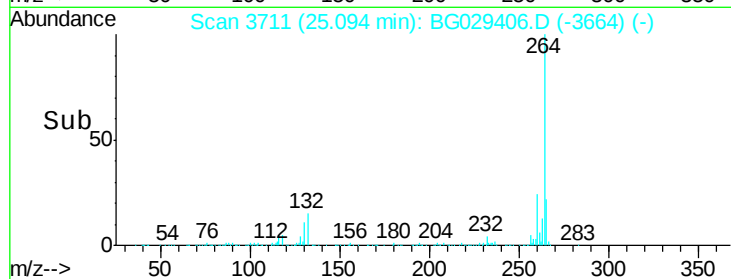
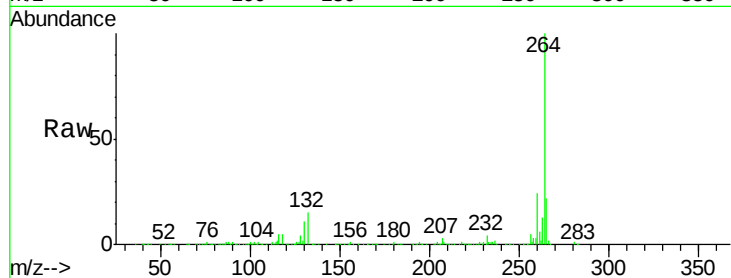
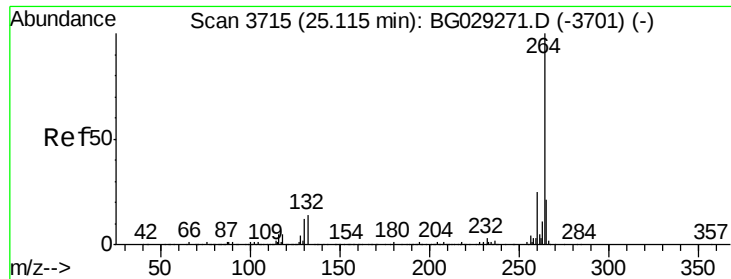


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.09 min Scan# 3711
Delta R.T. -0.02 min
Lab File: BG029406.D
Acq: 23 Oct 2017 19:32

Instrument :
BNA_G
ClientSampleId :
S-1-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.4	26.0
265	21.6	17.7	26.5

