

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101617\
 Data File : BG029290.D
 Acq On : 17 Oct 2017 3:24
 Operator : SJ/JU
 Sample : I5906-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 17 04:08:01 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	71191	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	341952	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	214222	20.00	ng	0.00
63) Phenanthrene-d10	17.53	188	470970	20.00	ng	0.00
75) Chrysene-d12	21.80	240	515810	20.00	ng	0.00
86) Perylene-d12	25.11	264	537610	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	543688	127.58	ng	0.00
7) Phenol-d6	7.33	99	681565	113.94	ng	0.00
23) Nitrobenzene-d5	9.33	82	466439	86.68	ng	0.00
41) 2,4,6-Tribromophenol	16.27	330	339904	122.89	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1198870	82.08	ng	0.00
78) Terphenyl-d14	20.12	244	1759430	77.60	ng	0.00

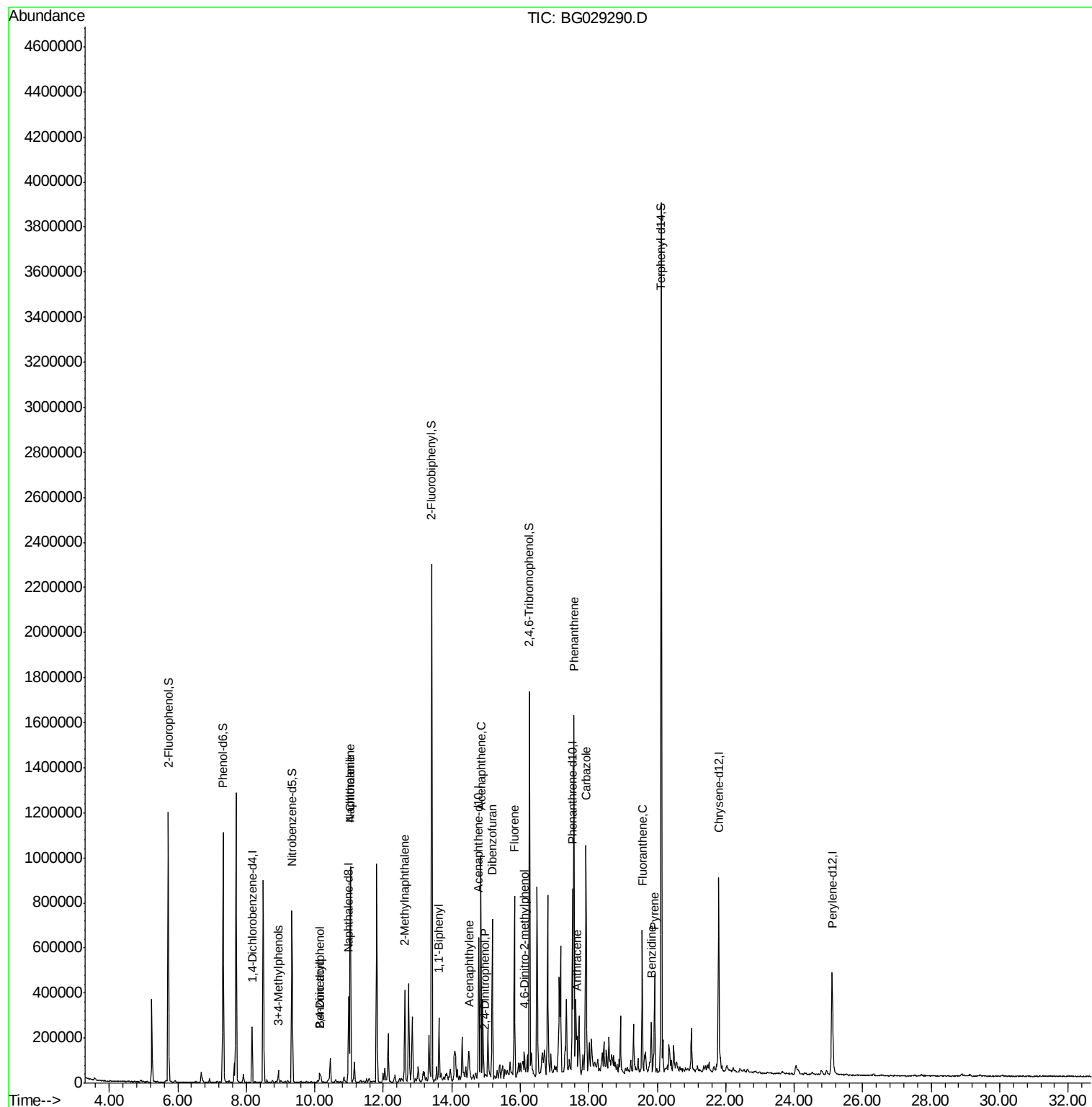
Target Compounds				Qvalue		
20) 3+4-Methylphenols	8.94	107	13747	2.277	ng	# 83
27) 2,4-Dimethylphenol	10.15	122	13975	2.671	ng	88
31) Naphthalene	11.04	128	814510	47.794	ng	98
32) Benzoic acid	10.15	122	13975	3.190	ng	# 8
33) 4-Chloroaniline	11.04	127	111470	15.549	ng	# 31
37) 2-Methylnaphthalene	12.63	142	192175	15.472	ng	90
45) 1,1'-Biphenyl	13.62	154	71302	3.872	ng	98
48) Acenaphthylene	14.51	152	57998	2.759	ng	97
51) Acenaphthene	14.85	154	371885	27.192	ng	97
53) 2,4-Dinitrophenol	14.98	184	159	6.707	ng	# 1
54) Dibenzofuran	15.18	168	427191	21.881	ng	99
57) Fluorene	15.83	166	351728	21.808	ng	98
64) 4,6-Dinitro-2-methylphenol	16.13	198	7261	7.428	ng	80
70) Phenanthrene	17.57	178	942558	38.740	ng	98
71) Anthracene	17.66	178	95911	3.926	ng	98
72) Carbazole	17.92	167	658580	28.062	ng	99
74) Fluoranthene	19.56	202	376088	13.216	ng	98
76) Benzydine	19.83	184	63464	4.075	ng	# 93
77) Pvrene	19.92	202	269333	8.608	ng	99

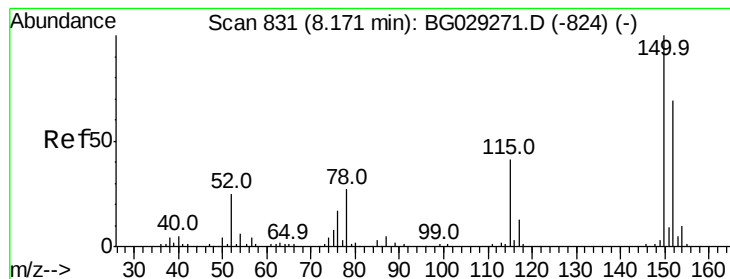
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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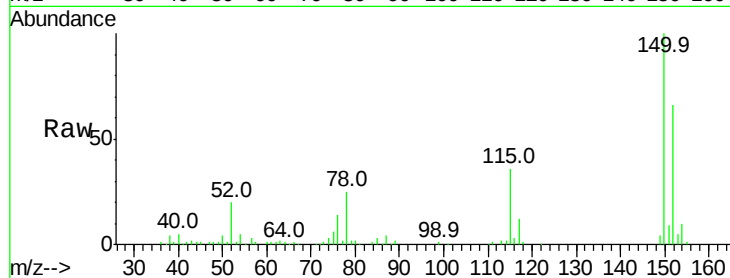


#1

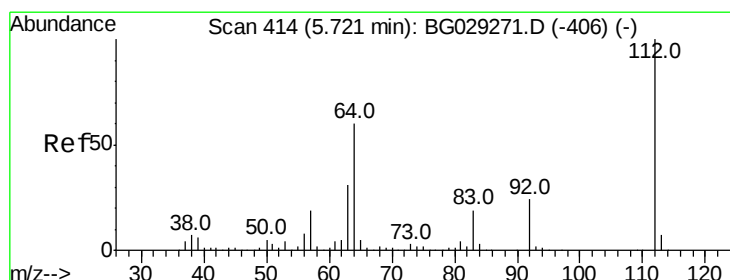
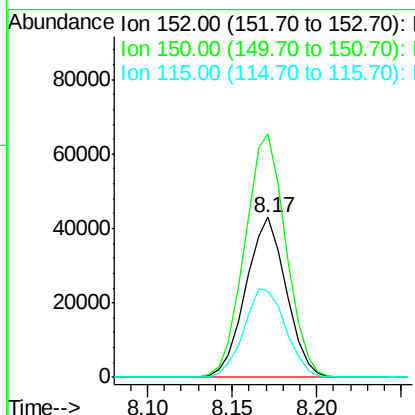
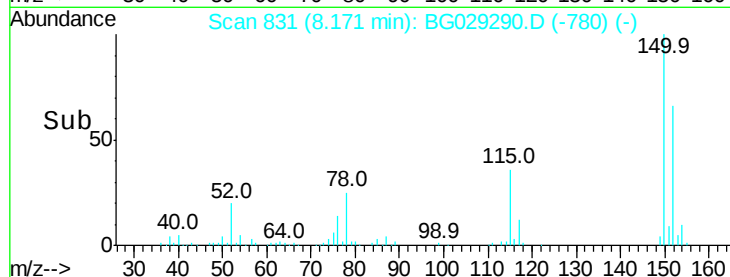
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 831
Delta R.T. 0.00 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 71191
Ion Ratio Lower Upper
152 100
150 152.2 126.6 189.8
115 54.2 53.0 79.4



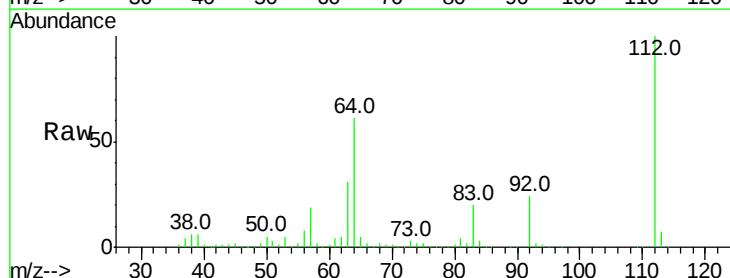
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



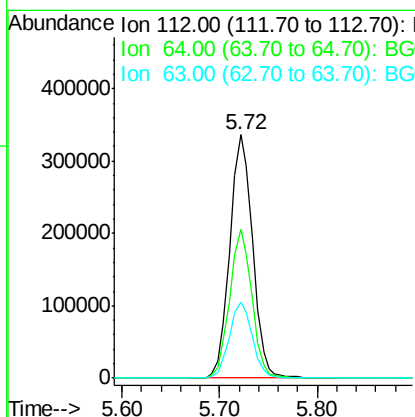
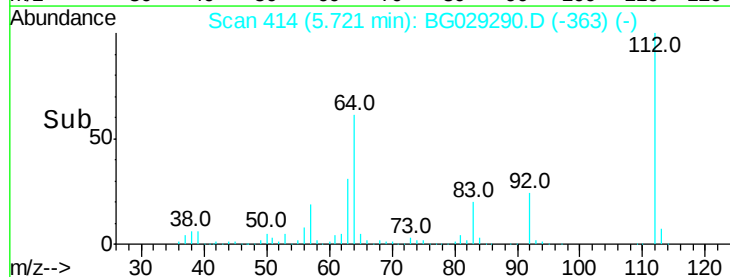
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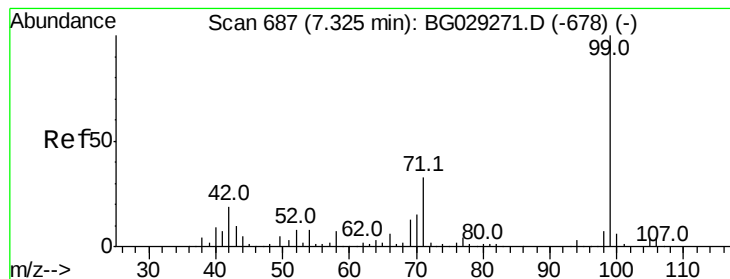
2-Fluorophenol
Concen: 127.581 ng
RT: 5.72 min Scan# 414
Delta R.T. 0.00 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

Tgt Ion:112 Resp: 543688
Ion Ratio Lower Upper
112 100
64 61.0 56.3 84.5
63 31.4 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: 113.941 ng

RT: 7.33 min Scan# 687

Delta R.T. 0.00 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

Instrument :

BNA_G

ClientSampled :

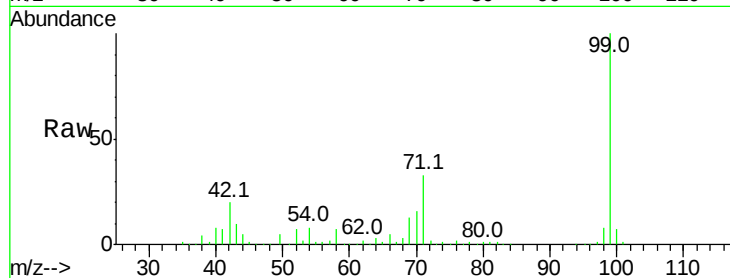
Tot Ion: 99 Resp: 681565

Ion Ratio Lower Upper

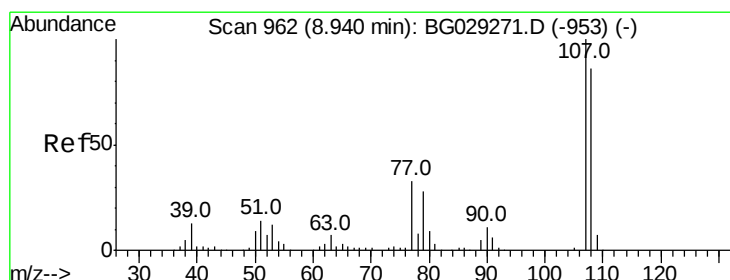
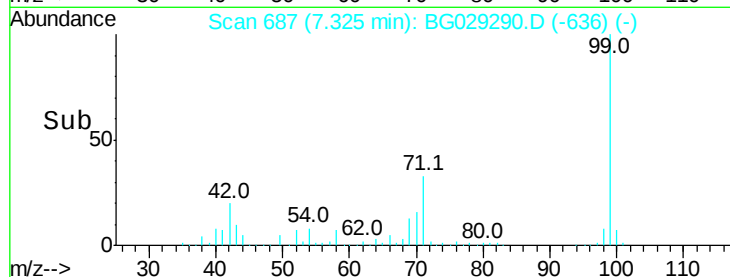
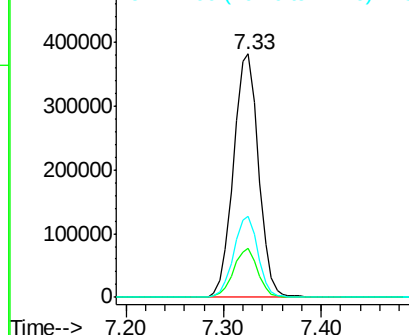
99 100

42 19.9 14.1 21.1

71 33.5 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



#20

3+4-Methylphenols

Concen: 2.277 ng

RT: 8.94 min Scan# 961

Delta R.T. -0.01 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

Tgt Ion:107 Resp: 13747

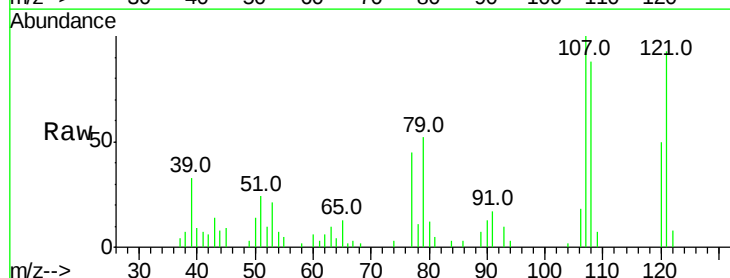
Ion Ratio Lower Upper

107 100

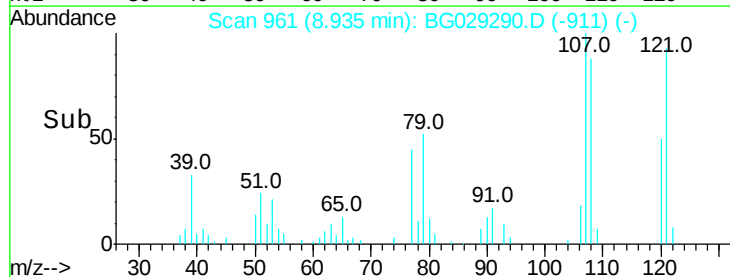
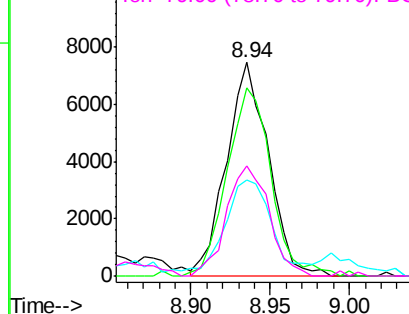
108 87.8 61.6 101.6

77 45.0 13.9 53.9

79 51.6 8.8 48.8#



Abundance Ion 107.00 (106.70 to 107.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

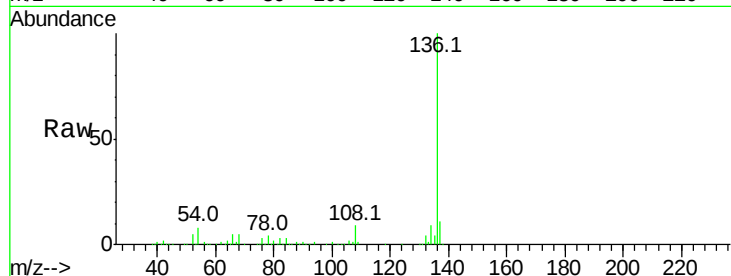




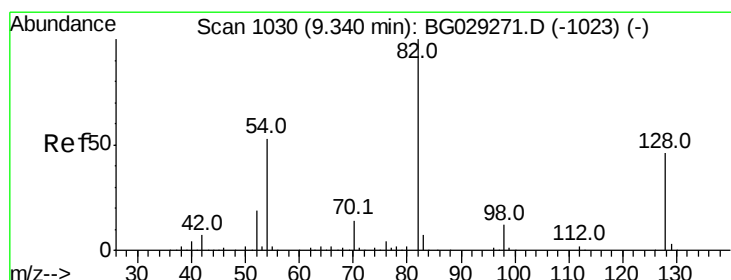
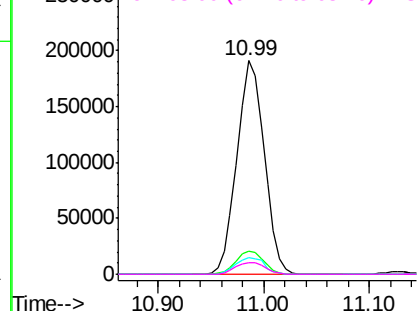
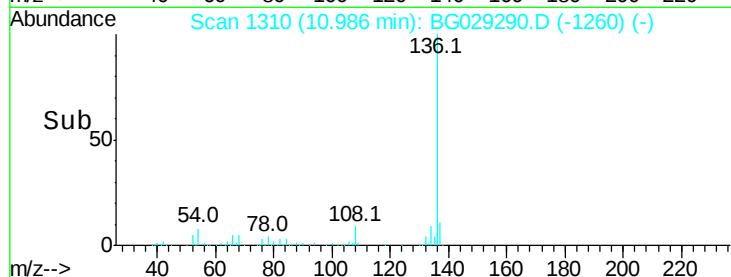
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	341952
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.7	10.3	15.5#
68	5.2	4.5	6.7

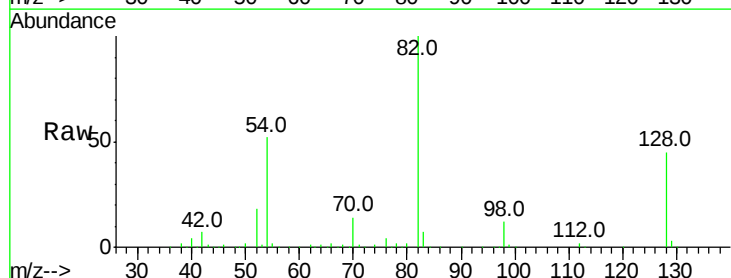


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

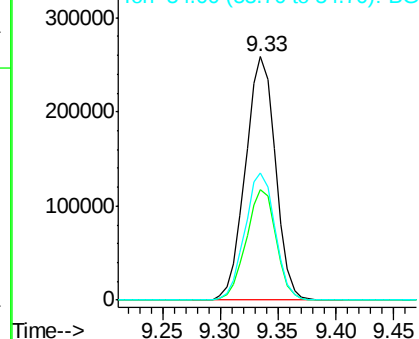
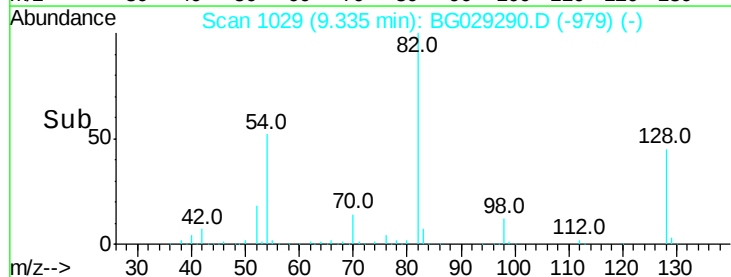


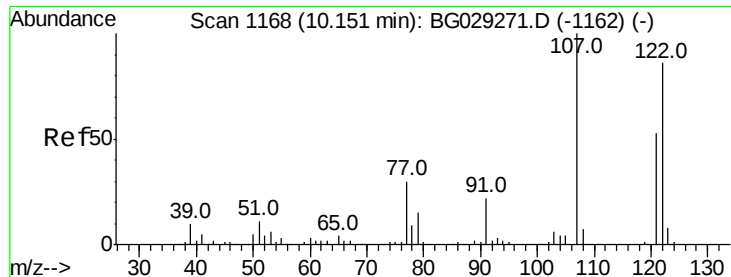
#23
Nitrobenzene-d5
Concen: 86.681 ng
RT: 9.33 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

Tgt Ion:	82	Resp:	466439
Ion	Ratio	Lower	Upper
82	100		
128	45.2	29.7	44.5#
54	52.4	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

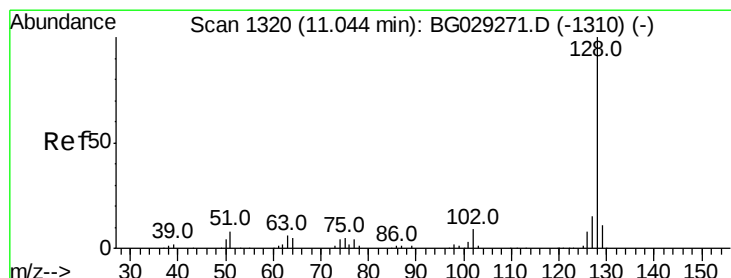
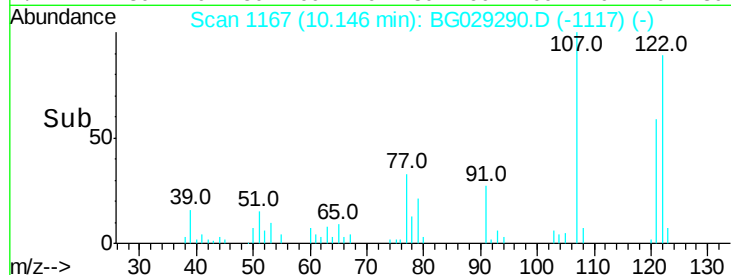
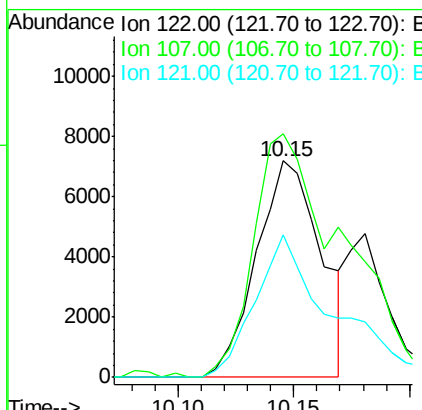
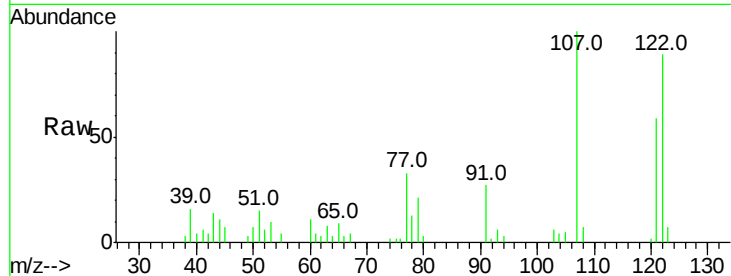




#27
2,4-Dimethylphenol
Concen: 2.671 ng
RT: 10.15 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

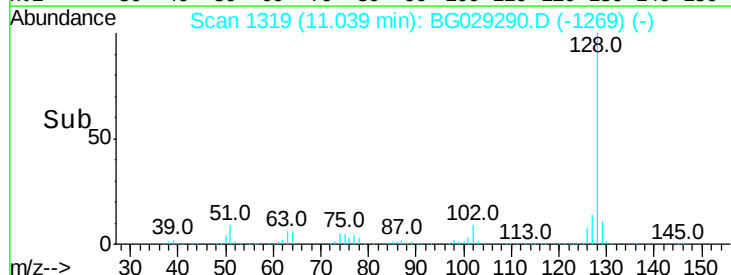
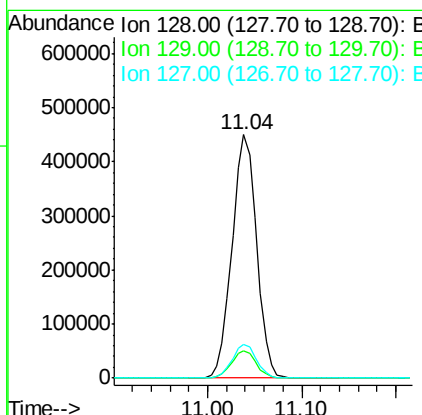
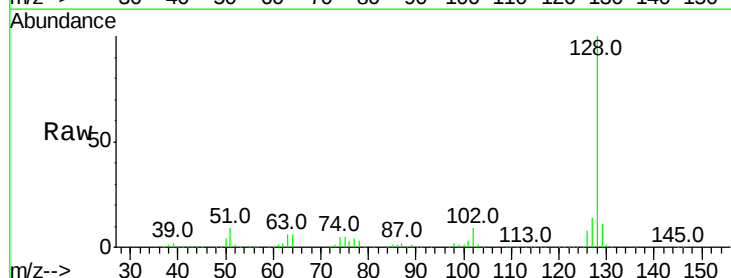
Instrument :
BNA_G
ClientSampled :

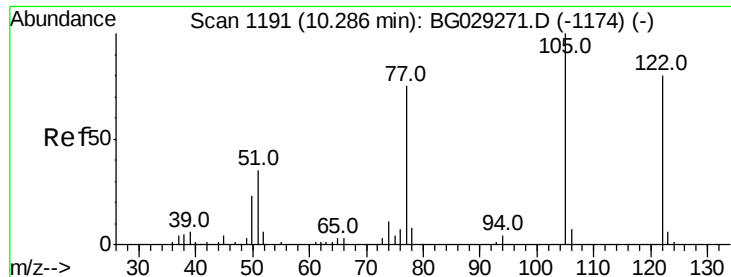
Tot Ion:122 Resp: 13975
Ion Ratio Lower Upper
122 100
107 112.5 100.2 150.2
121 66.0 44.4 66.6



#31
Naphthalene
Concen: 47.794 ng
RT: 11.04 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

Tgt Ion:128 Resp: 814510
Ion Ratio Lower Upper
128 100
129 11.5 8.6 12.8
127 13.9 11.6 17.4

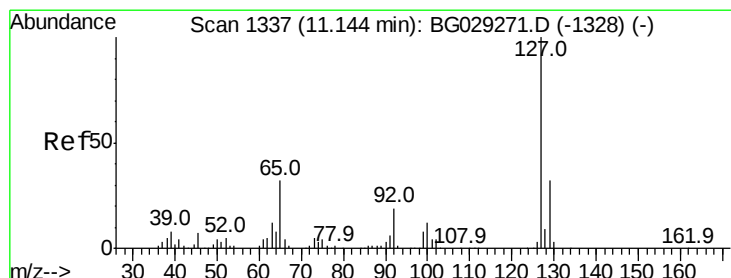
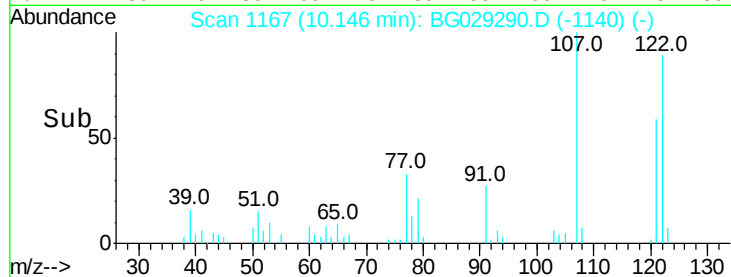
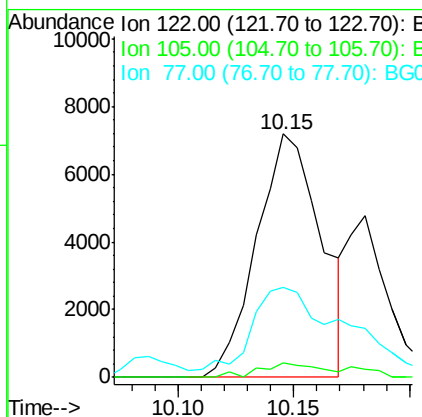
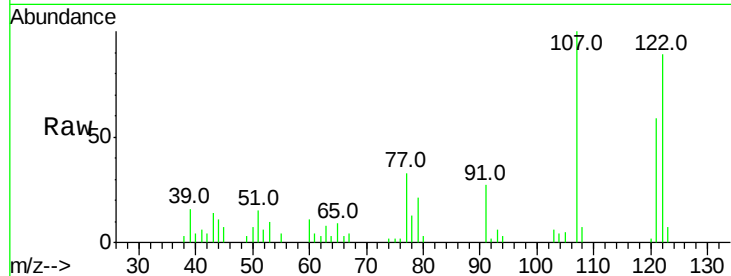




#32
Benzoic acid
Concen: 3.190 ng
RT: 10.15 min Scan# 1167
Delta R.T. -0.14 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

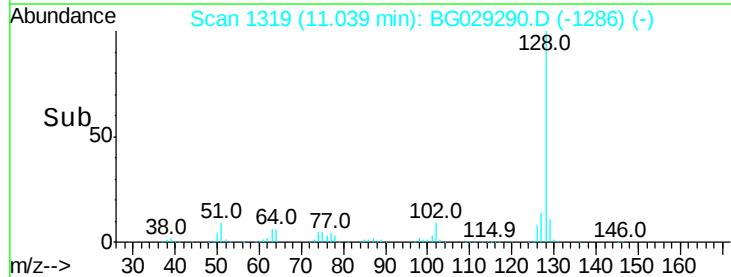
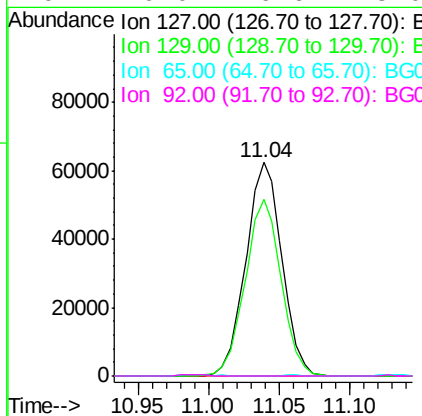
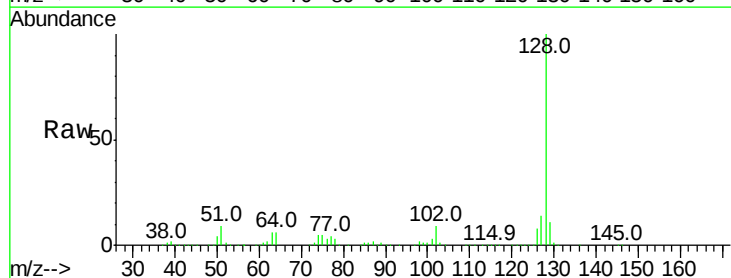
Instrument :
BNA_G
ClientSampleId :

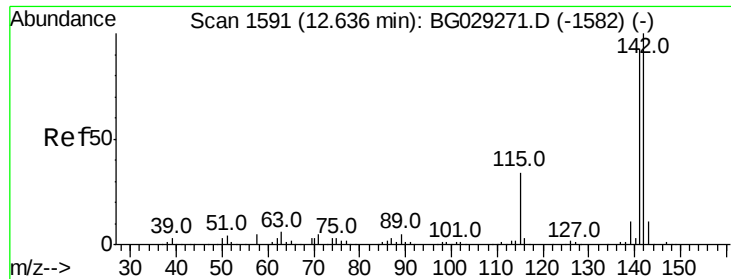
Tot Ion	Ratio	Lower	Upper
122	100		
105	5.8	123.5	163.5#
77	36.7	85.7	125.7#



#33
4-Chloroaniline
Concen: 15.549 ng
RT: 11.04 min Scan# 1319
Delta R.T. -0.10 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

Tgt Ion	Ratio	Lower	Upper
127	100		
129	82.7	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#

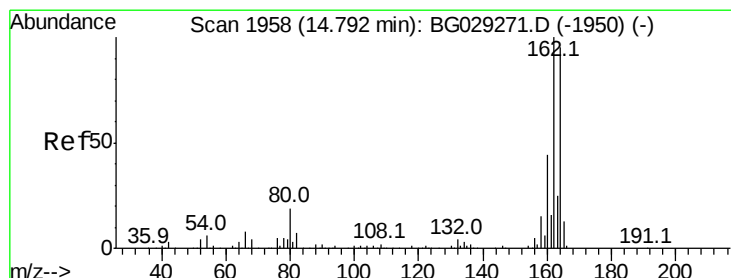
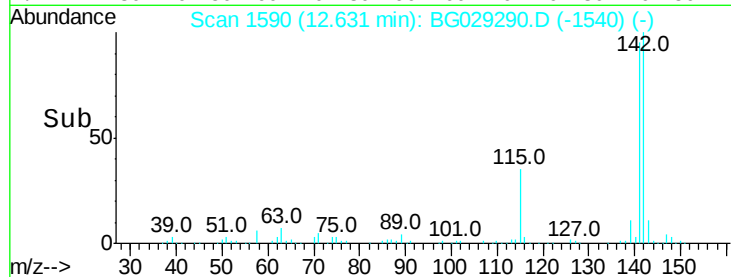
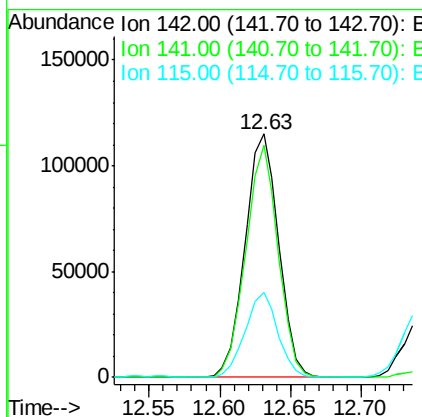
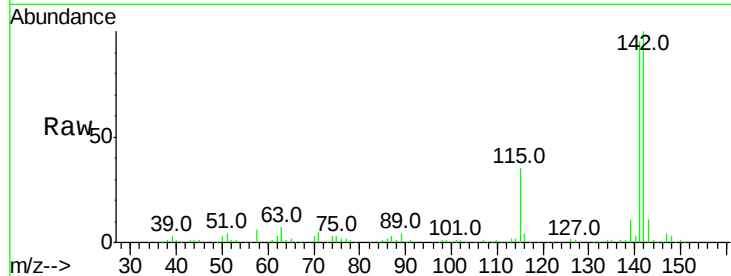




#37
 2-Methylnaphthalene
 Concen: 15.472 ng
 RT: 12.63 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BG029290.D
 Acq: 17 Oct 2017 3:24

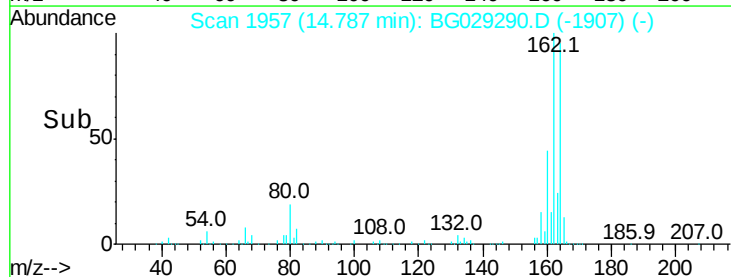
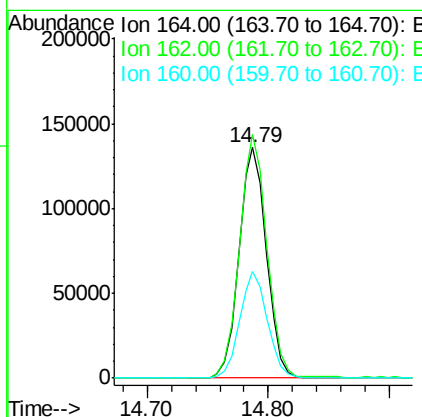
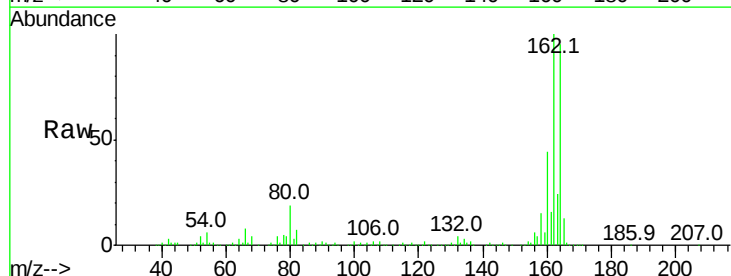
Instrument :
 BNA_G
 ClientSampleId :

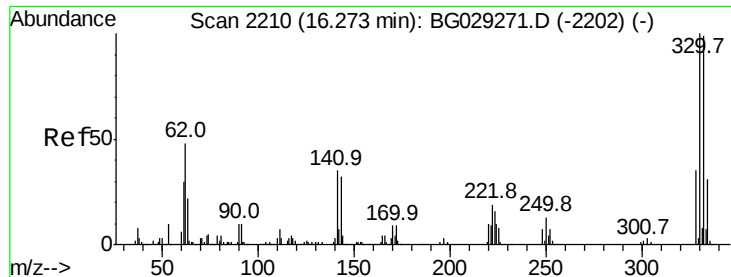
Tot Ion	Ratio	Lower	Upper
142	100		
141	95.2	67.1	100.7
115	34.6	30.7	46.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.79 min Scan# 1957
 Delta R.T. -0.01 min
 Lab File: BG029290.D
 Acq: 17 Oct 2017 3:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.7	78.8	118.2
160	46.5	35.4	53.0

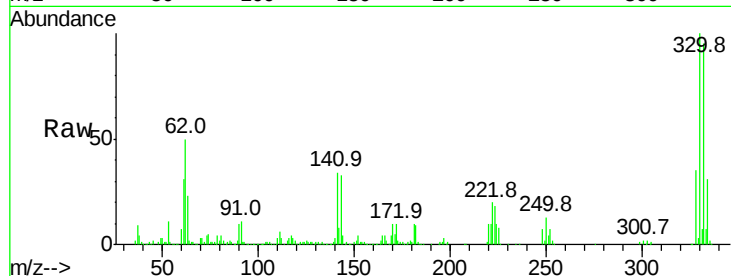




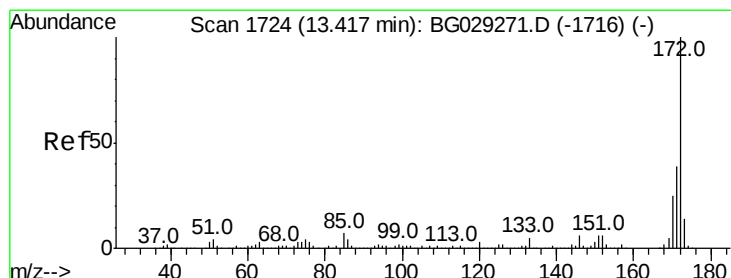
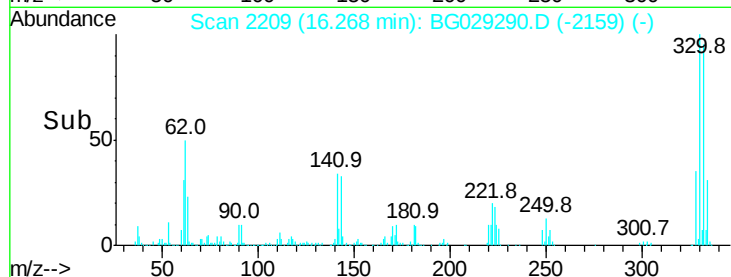
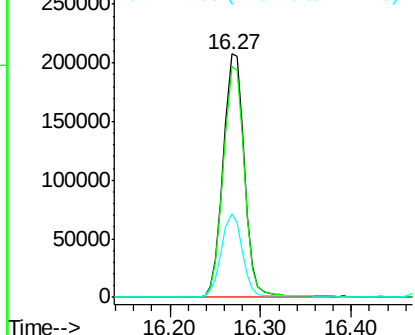
#41
 2,4,6-Tribromophenol
 Concen: 122.894 ng
 RT: 16.27 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: BG029290.D
 Acq: 17 Oct 2017 3:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.0	77.0	115.6
141	32.9	25.2	37.8

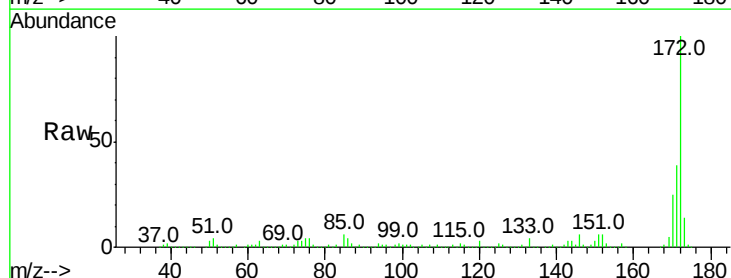


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

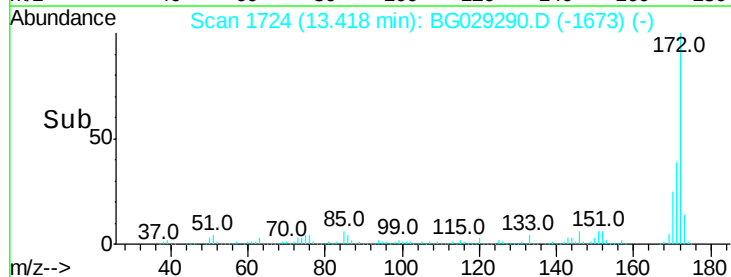
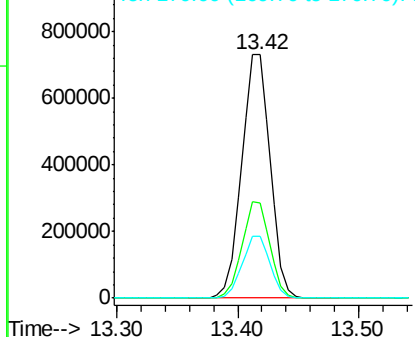


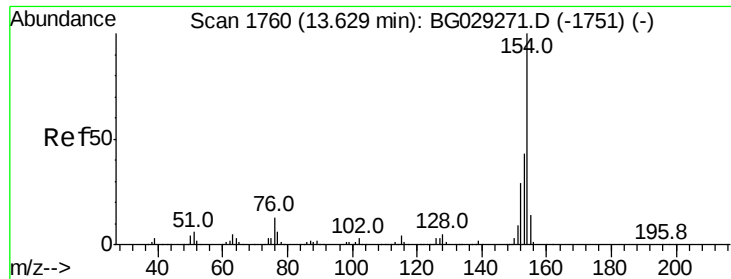
#44
 2-Fluorobiphenyl
 Concen: 82.080 ng
 RT: 13.42 min Scan# 1724
 Delta R.T. 0.00 min
 Lab File: BG029290.D
 Acq: 17 Oct 2017 3:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.2	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





#45

1,1'-Biphenyl

Concen: 3.872 ng

RT: 13.62 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

Instrument :

BNA_G

ClientSampleId :

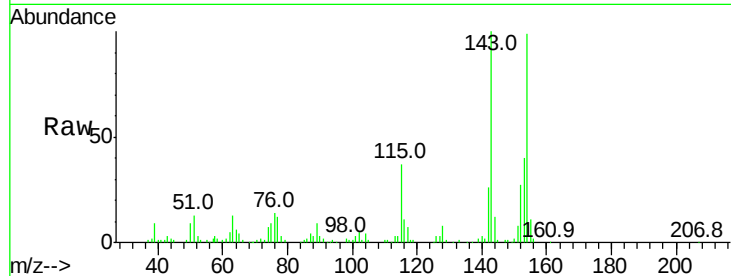
Tot Ion:154 Resp: 71302

Ion Ratio Lower Upper

154 100

153 40.5 19.8 59.8

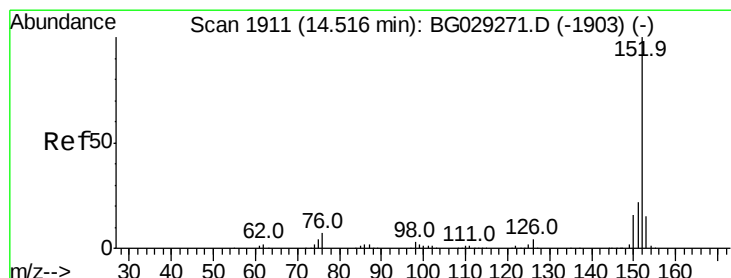
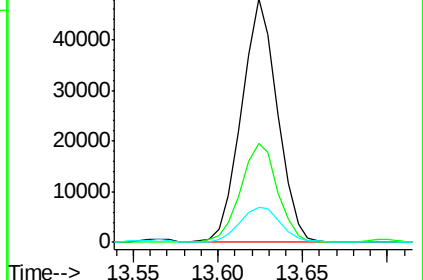
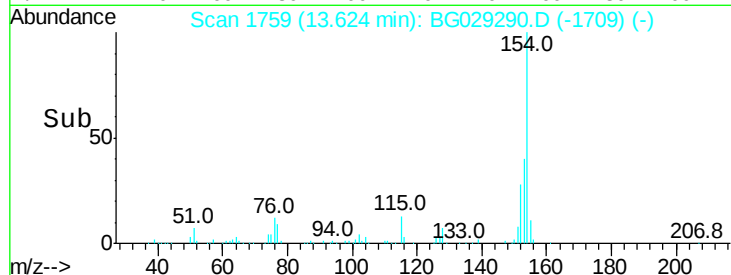
76 14.5 0.0 31.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): B



#48

Acenaphthylene

Concen: 2.759 ng

RT: 14.51 min Scan# 1910

Delta R.T. -0.01 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

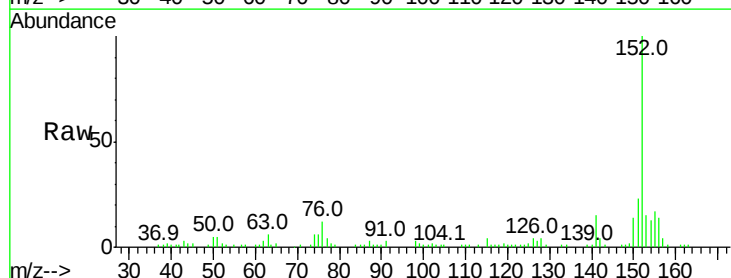
Tgt Ion:152 Resp: 57998

Ion Ratio Lower Upper

152 100

151 22.6 17.2 25.8

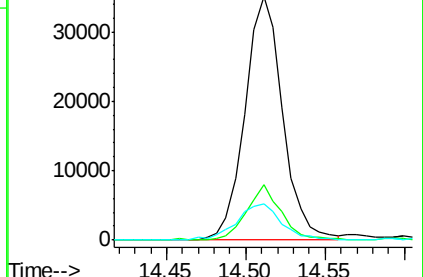
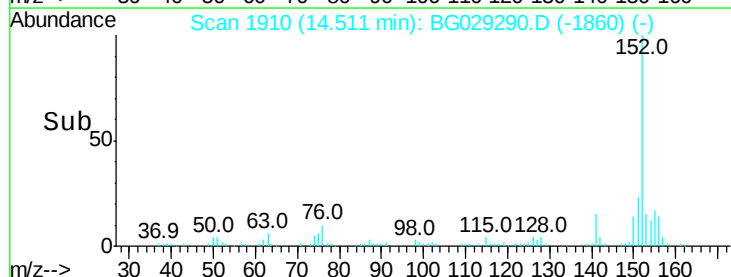
153 14.7 10.2 15.4

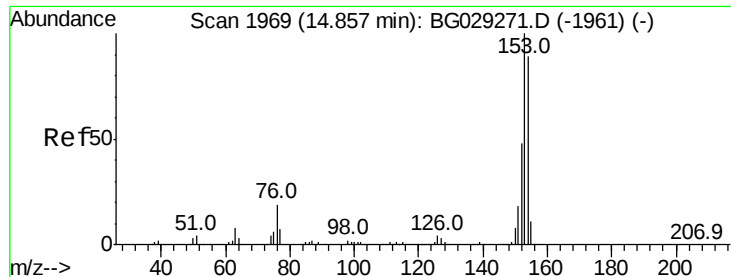


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 27.192 ng

RT: 14.85 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

Instrument :

BNA_G

ClientSampleId :

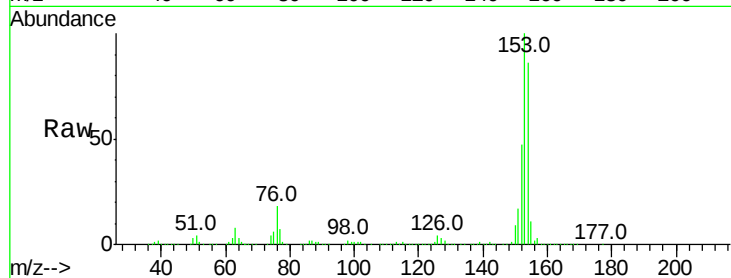
Tot Ion:154 Resp: 371885

Ion Ratio Lower Upper

154 100

153 115.8 90.4 135.6

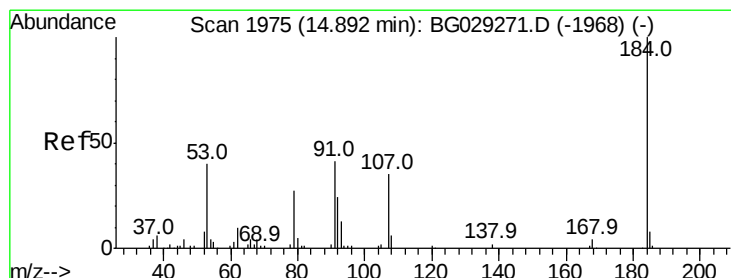
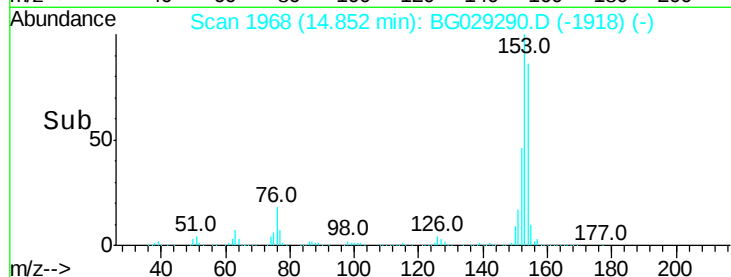
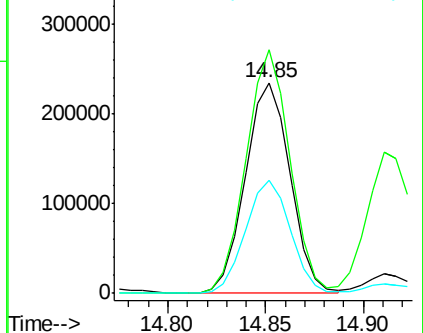
152 53.9 41.6 62.4



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



#53

2,4-Dinitrophenol

Concen: 6.707 ng

RT: 14.98 min Scan# 1989

Delta R.T. 0.08 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

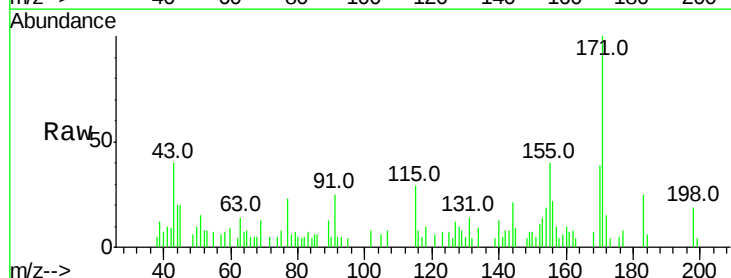
Tgt Ion:184 Resp: 159

Ion Ratio Lower Upper

184 100

63 224.7 59.8 89.8#

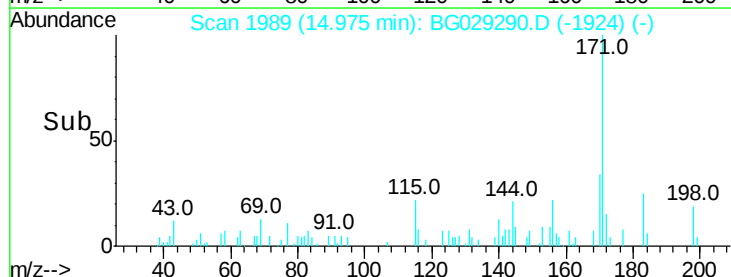
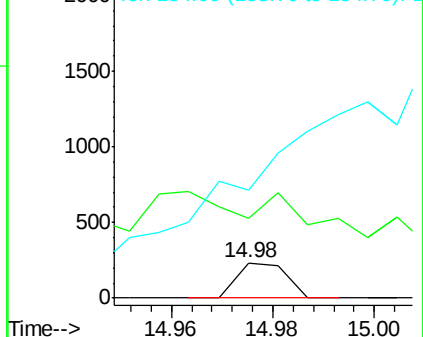
154 304.3 101.8 152.8#

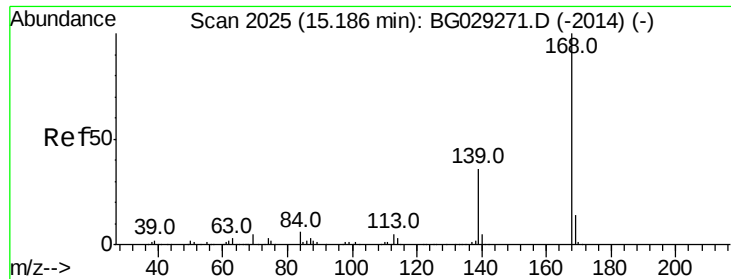


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

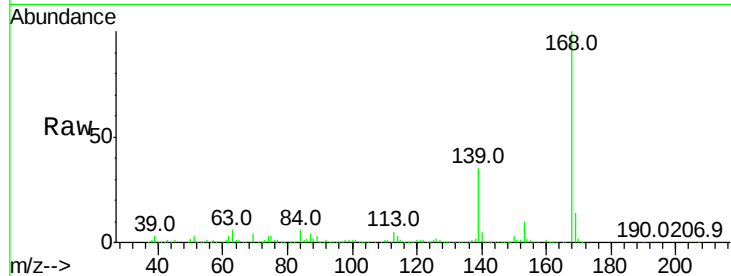




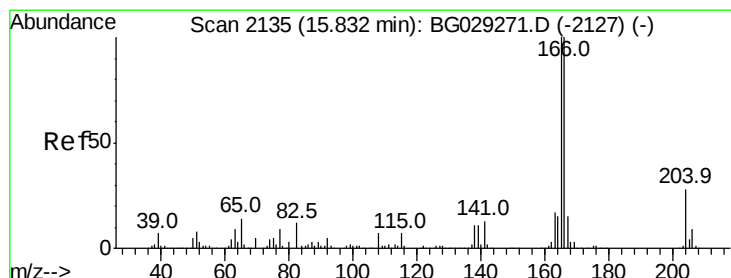
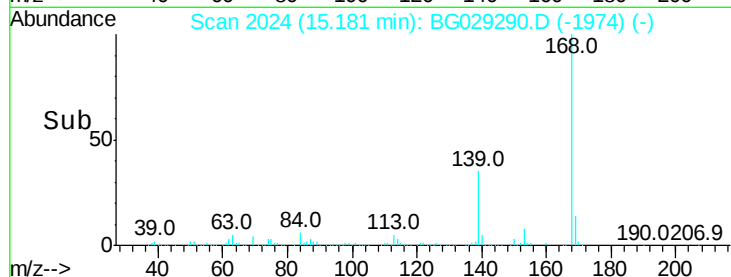
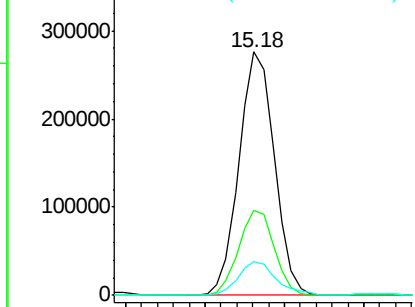
#54
Dibenzenofuran
Concen: 21.881 ng
RT: 15.18 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.9	28.6	43.0
169	13.6	11.2	16.8

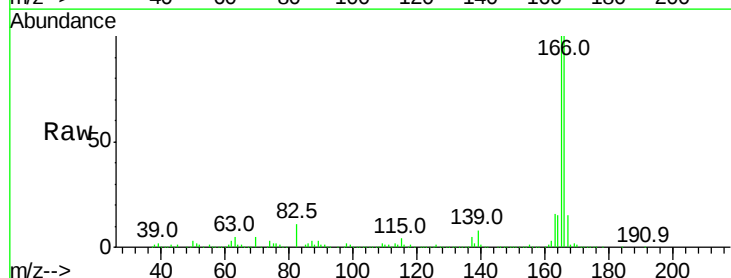


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

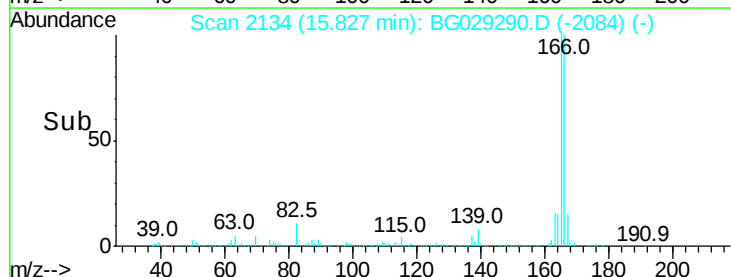
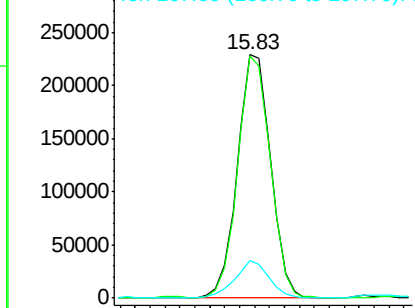


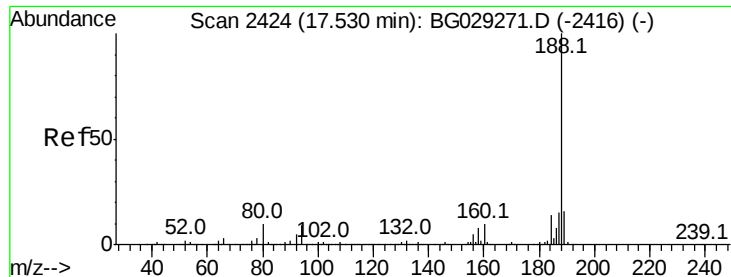
#57
Fluorene
Concen: 21.808 ng
RT: 15.83 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.8	80.6	121.0
167	15.2	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

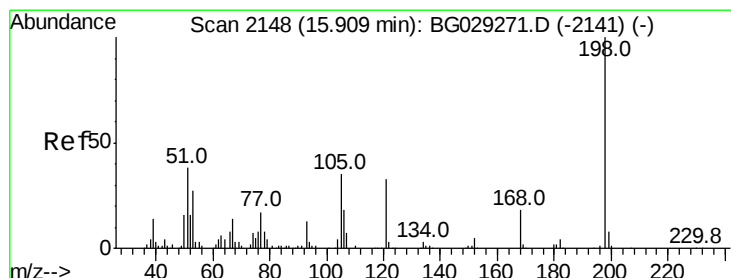
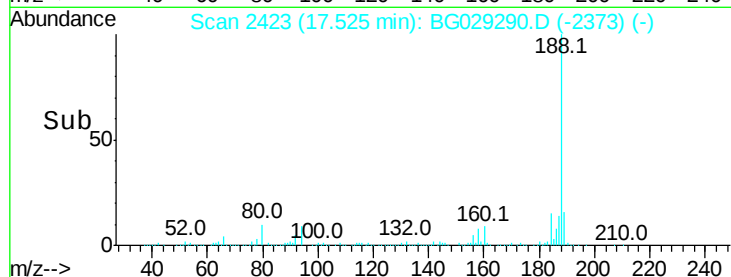
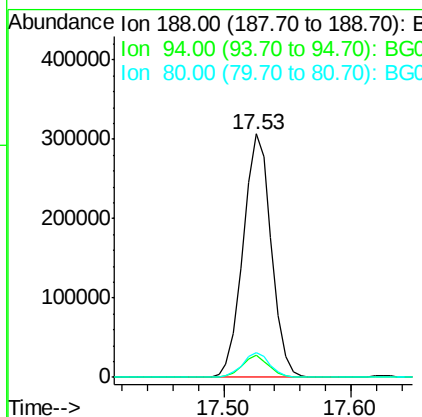
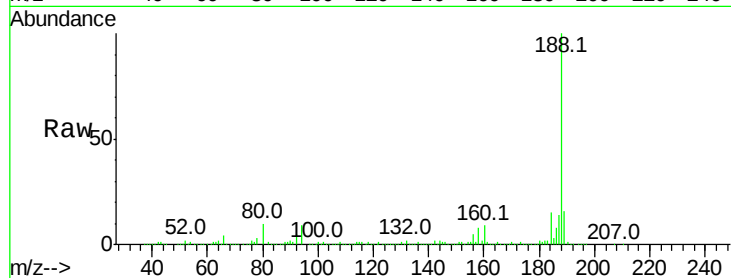




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.53 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG029290.D
 Acq: 17 Oct 2017 3:24

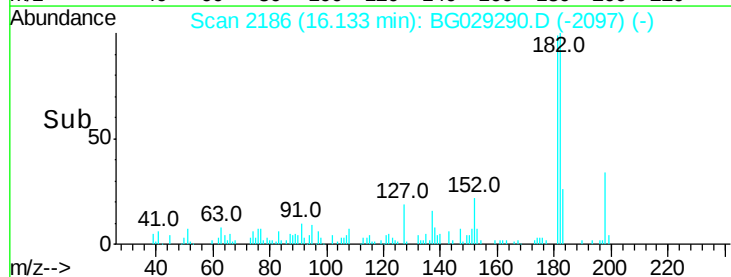
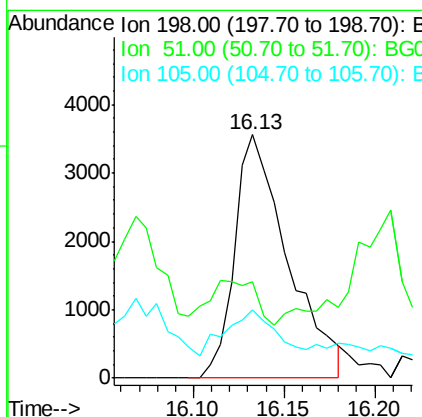
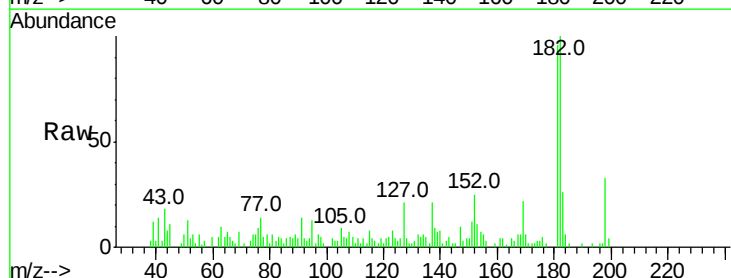
Instrument :
 BNA_G
 ClientSampleId :

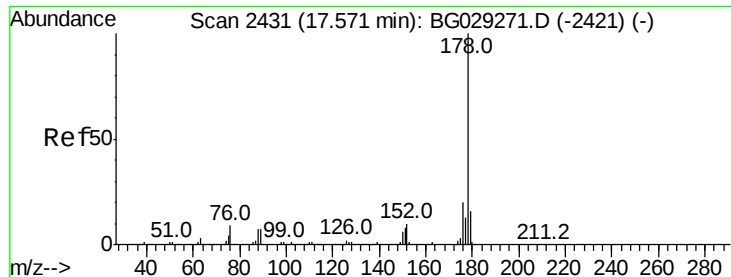
Tot Ion:188 Resp: 470970
 Ion Ratio Lower Upper
 188 100
 94 9.1 6.9 10.3
 80 10.2 7.7 11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.428 ng
 RT: 16.13 min Scan# 2186
 Delta R.T. 0.22 min
 Lab File: BG029290.D
 Acq: 17 Oct 2017 3:24

Tgt Ion:198 Resp: 7261
 Ion Ratio Lower Upper
 198 100
 51 39.7 30.6 70.6
 105 28.2 23.8 63.8





#70

Phenanthrene

Concen: 38.740 ng

RT: 17.57 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

Instrument :

BNA_G

ClientSampleId :

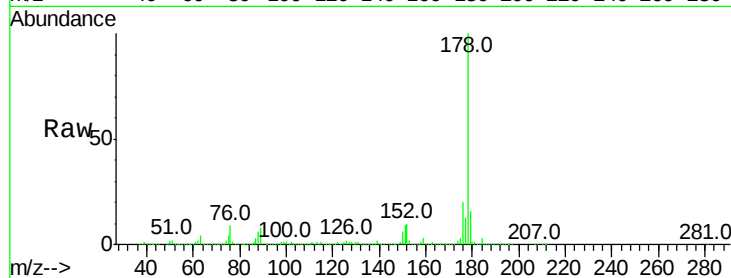
Tot Ion:178 Resp: 942558

Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.7	23.5
179	16.4	12.5	18.7

178 100

176 20.4 15.7 23.5

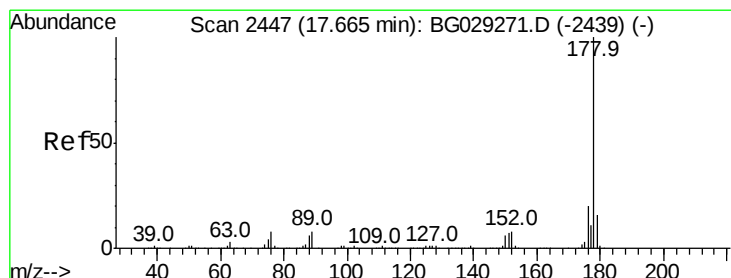
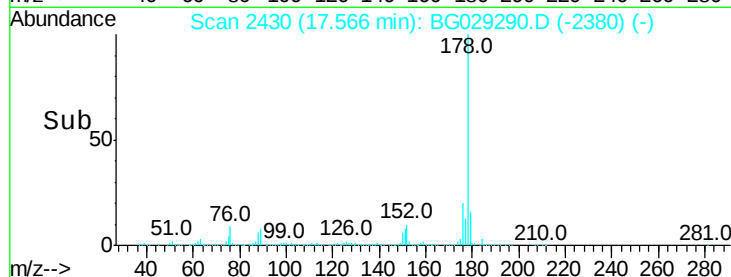
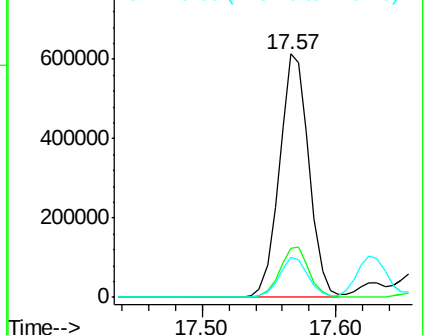
179 16.4 12.5 18.7



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: 3.926 ng

RT: 17.66 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

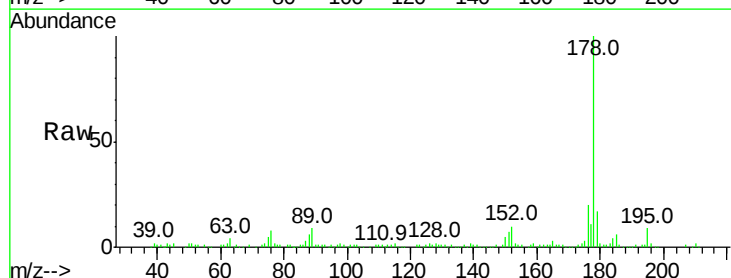
Tgt Ion:178 Resp: 95911

Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.0	24.0
179	17.2	12.5	18.7

178 100

176 20.3 16.0 24.0

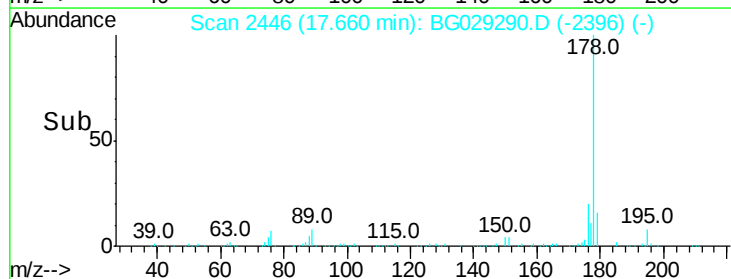
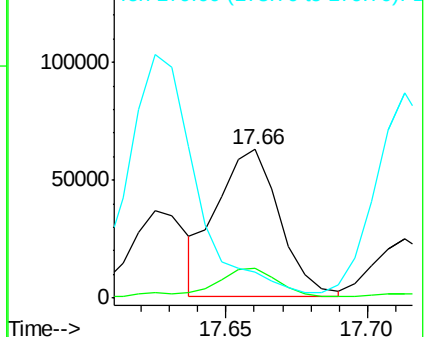
179 17.2 12.5 18.7

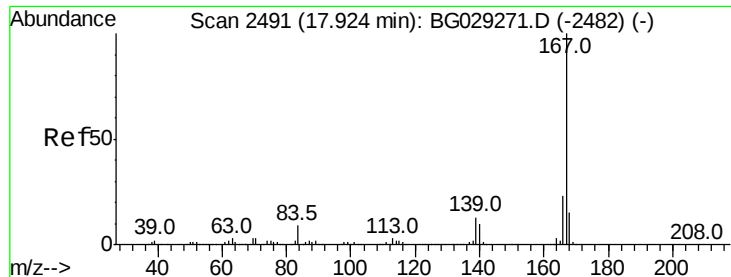


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 28.062 ng

RT: 17.92 min Scan# 2491

Delta R.T. 0.00 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

Instrument :

BNA_G

ClientSampled :

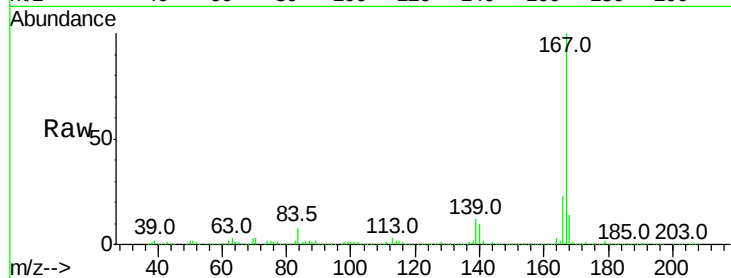
Tot Ion:167 Resp: 658580

Ion Ratio Lower Upper

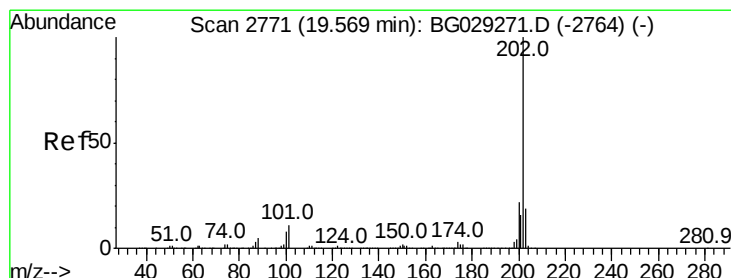
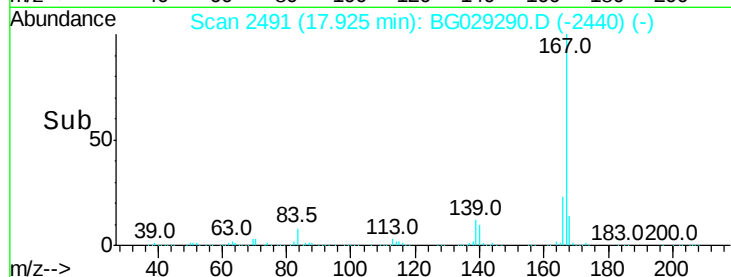
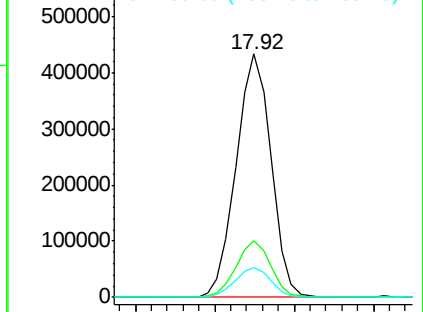
167 100

166 23.2 18.2 27.4

139 12.5 9.4 14.2



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 13.216 ng

RT: 19.56 min Scan# 2770

Delta R.T. -0.01 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

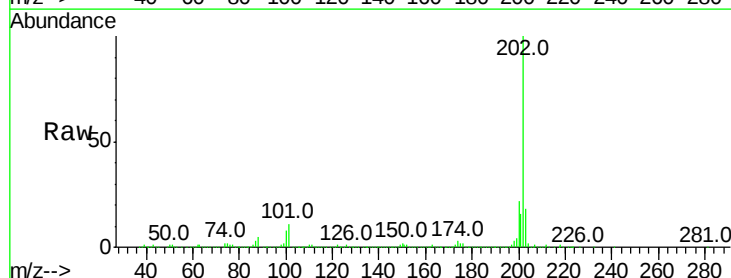
Tgt Ion:202 Resp: 376088

Ion Ratio Lower Upper

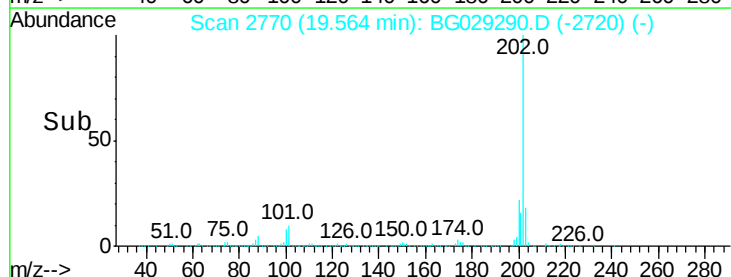
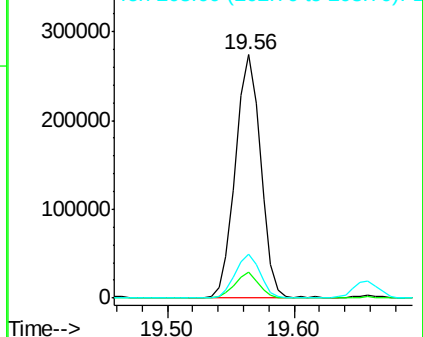
202 100

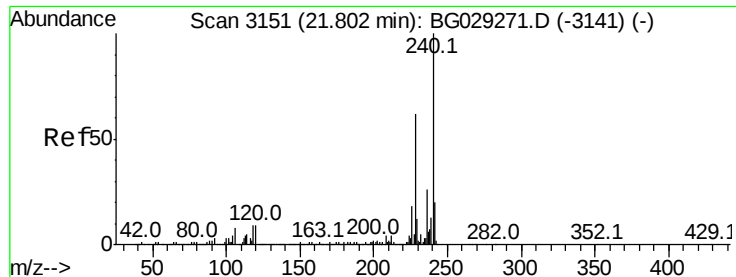
101 10.5 0.0 28.9

203 18.0 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.80 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

Instrument :

BNA_G

ClientSampleId :

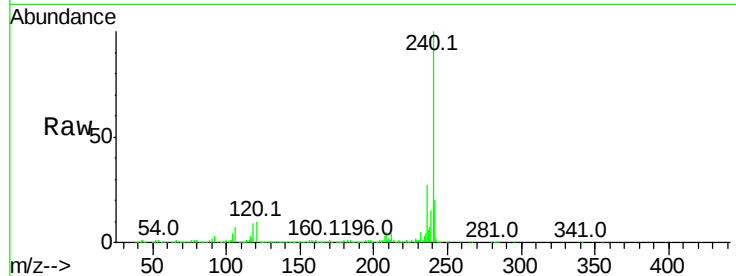
Tot Ion:240 Resp: 515810

Ion Ratio Lower Upper

240 100

120 9.6 6.8 10.2

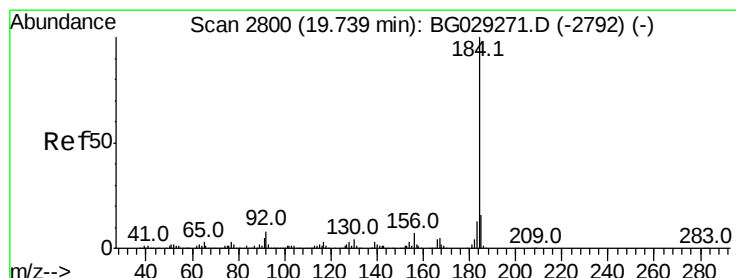
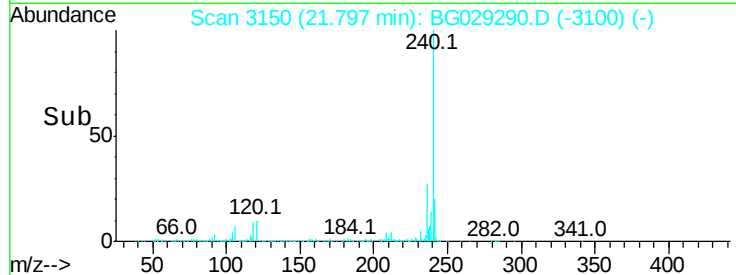
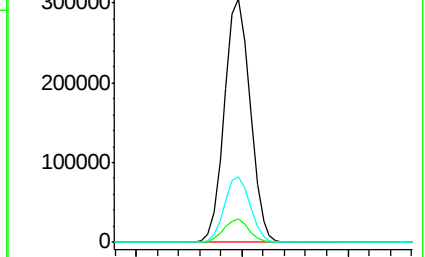
236 26.9 20.9 31.3



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: 4.075 ng

RT: 19.83 min Scan# 2815

Delta R.T. 0.09 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

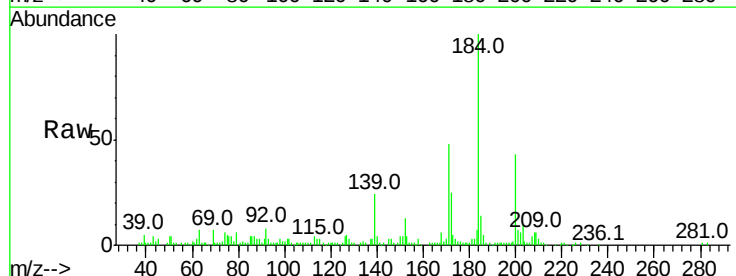
Tgt Ion:184 Resp: 63464

Ion Ratio Lower Upper

184 100

185 13.8 11.1 16.7

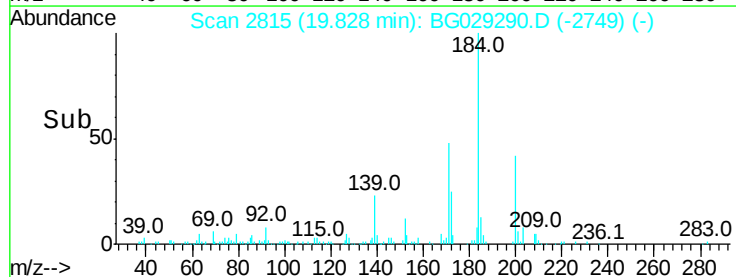
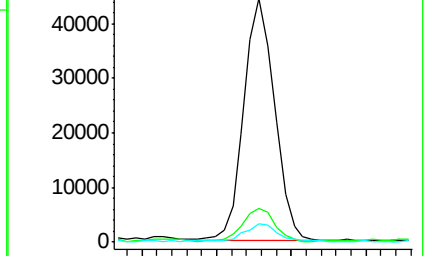
183 7.4 10.6 16.0#

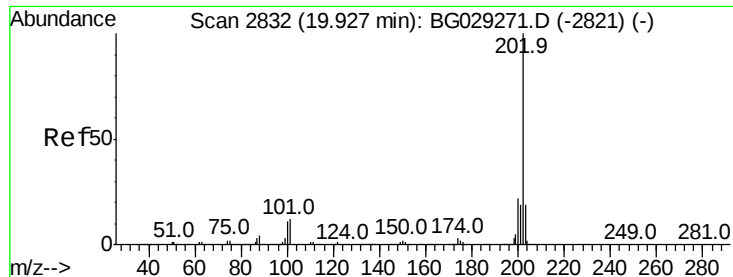


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 8.608 ng

RT: 19.92 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

Instrument :

BNA_G

ClientSampleId :

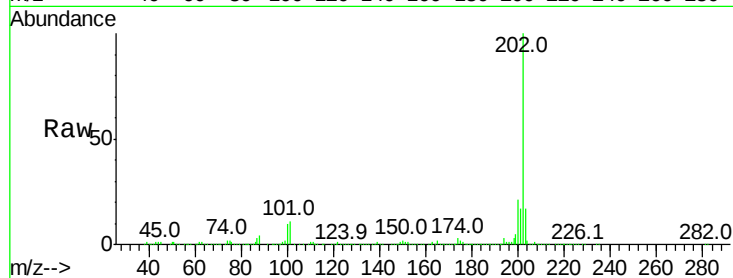
Tot Ion:202 Resp: 269333

Ion Ratio Lower Upper

202 100

200 20.7 16.9 25.3

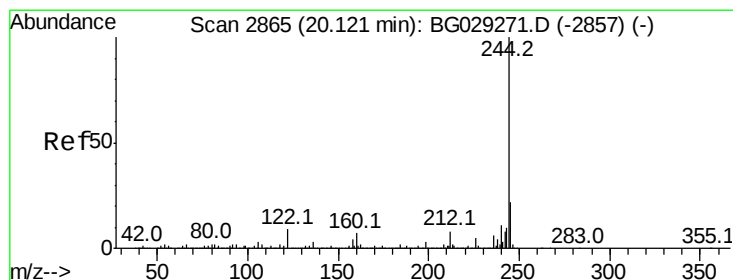
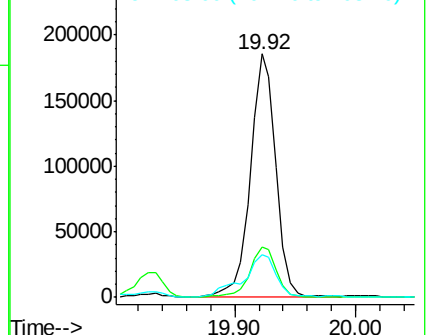
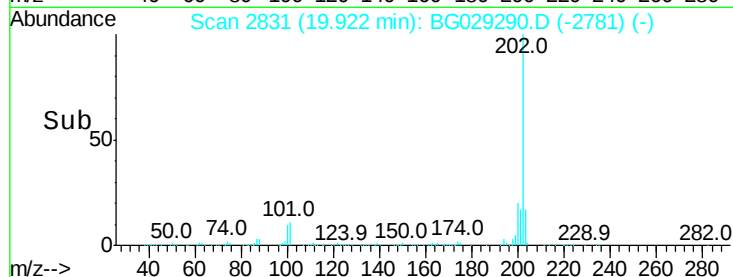
203 17.3 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 77.598 ng

RT: 20.12 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

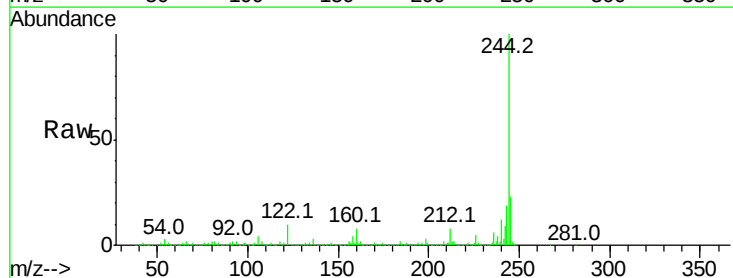
Tgt Ion:244 Resp: 1759430

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

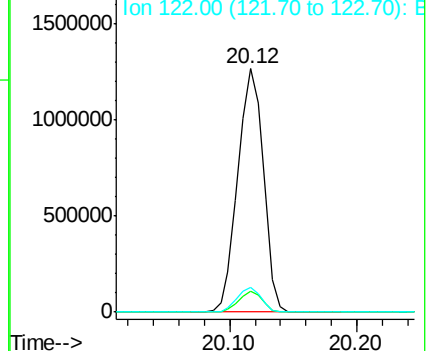
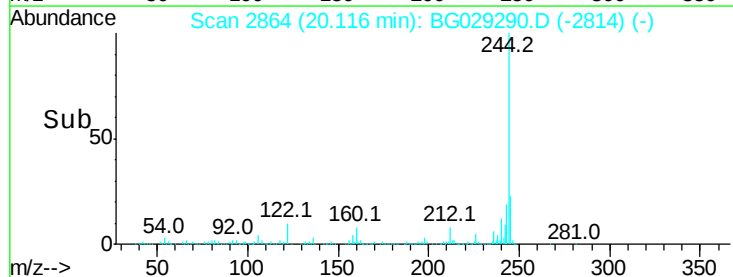
122 10.2 7.0 10.4

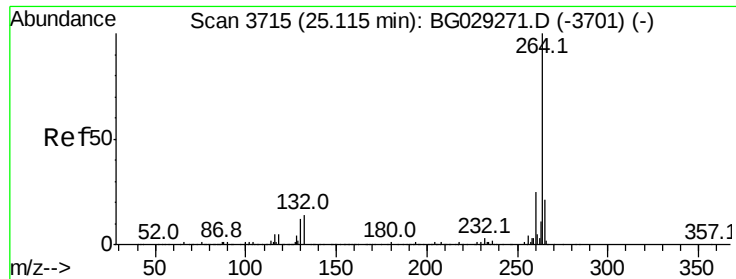


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 25.11 min Scan# 3714
Delta R.T. -0.01 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.4	26.0
265	21.3	17.7	26.5

