

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101617\
 Data File : BG029293.D
 Acq On : 17 Oct 2017 5:22
 Operator : SJ/JU
 Sample : I5906-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 17 08:01:42 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	73182	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	353258	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	218499	20.00	ng	0.00
63) Phenanthrene-d10	17.53	188	473769	20.00	ng	0.00
75) Chrysene-d12	21.80	240	522544	20.00	ng	0.00
86) Perylene-d12	25.11	264	536014	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.73	112	615319	140.46	ng	0.00
7) Phenol-d6	7.34	99	771783	125.51	ng	0.01
23) Nitrobenzene-d5	9.34	82	538322	96.84	ng	0.00
41) 2,4,6-Tribromophenol	16.28	330	383783	136.04	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1306308	87.68	ng	0.00
78) Terphenyl-d14	20.12	244	1918468	83.52	ng	0.00

Target Compounds

						Qvalue
3) Pyridine	4.01	79	11040	2.133	ng	90
10) Phenol	7.36	94	635323	95.837	ng	96
15) Benzyl Alcohol	8.50	79	9682	2.234	ng	# 47
17) 2-Methylphenol	8.62	107	326982	74.251	ng	98
18) Hexachloroethane	9.39	117	48182	24.565	ng	# 1
20) 3+4-Methylphenols	8.96	107	1141740	184.003	ng	90
22) Acetophenone	8.99	105	55618	6.533	ng	# 58
27) 2,4-Dimethylphenol	10.17	122	695011	128.590	ng	91
28) bis(2-Chloroethoxy)methane	10.41	93	18091	2.542	ng	# 59
31) Naphthalene	11.06	128	4925975	279.795	ng	# 82
32) Benzoic acid	10.36	122	62262	13.758	ng	85
33) 4-Chloroaniline	11.06	127	925306	124.944	ng	# 33
37) 2-Methylnaphthalene	12.63	142	671217	52.311	ng	93
45) 1,1'-Biphenyl	13.63	154	176908	9.420	ng	96
48) Acenaphthylene	14.51	152	484547	22.601	ng	# 96
51) Acenaphthene	14.85	154	500837	35.904	ng	99
53) 2,4-Dinitrophenol	15.08	184	641	6.930	ng	# 1
54) Dibenzofuran	15.18	168	743614	37.342	ng	99
55) 4-Nitrophenol	15.05	139	13911	4.376	ng	# 31
57) Fluorene	15.83	166	437340	26.585	ng	97
64) 4,6-Dinitro-2-methylphenol	16.14	198	21691	12.212	ng	92
68) Atrazine	17.12	200	15749	3.110	ng	# 38
70) Phenanthrene	17.57	178	1292107	52.793	ng	96
71) Anthracene	17.66	178	156230	6.357	ng	97
72) Carbazole	17.93	167	1262448	53.475	ng	96
74) Fluoranthene	19.57	202	516348	18.037	ng	98
76) Benzidine	19.84	184	150754	9.555	ng	# 95
77) Pyrene	19.92	202	357076	11.265	ng	98
80) Benzo(a)anthracene	21.77	228	105181	3.428	ng	97
82) Chrysene	21.85	228	76823	2.615	ng	# 92
87) Benzo(b)fluoranthene	24.05	252	61565	2.006	ng	96
88) Benzo(k)fluoranthene	24.05	252	61565	2.014	ng	94

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101617\
Data File : BG029293.D
Acq On : 17 Oct 2017 5:22
Operator : SJ/JU
Sample : I5906-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Oct 17 08:01:42 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

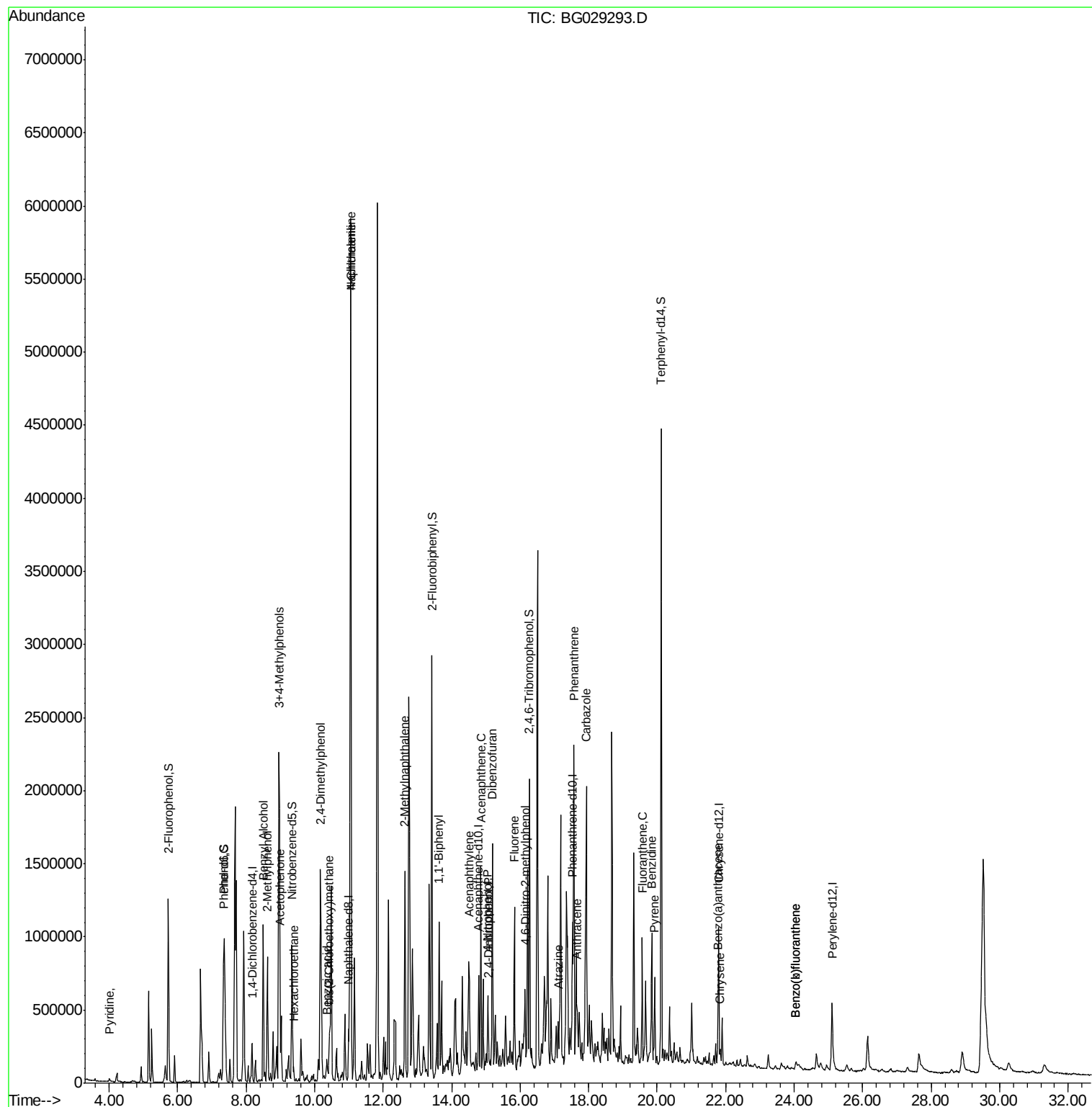
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

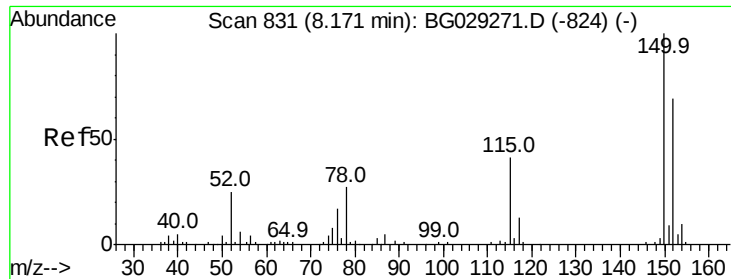
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101617\
Data File : BG029293.D
Acq On : 17 Oct 2017 5:22
Operator : SJ/JU
Sample : I5906-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Oct 17 08:01:42 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



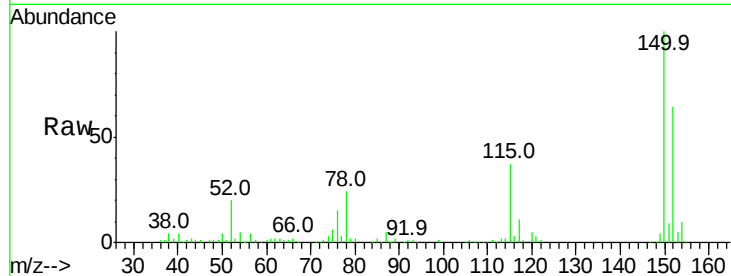


#1

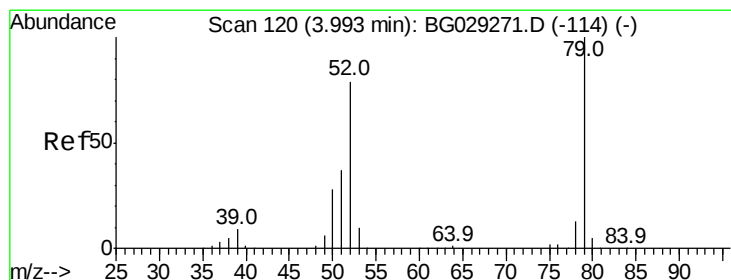
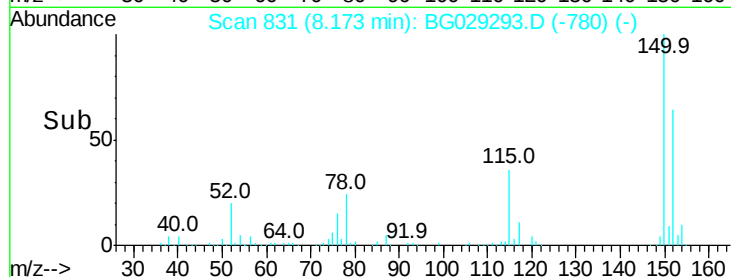
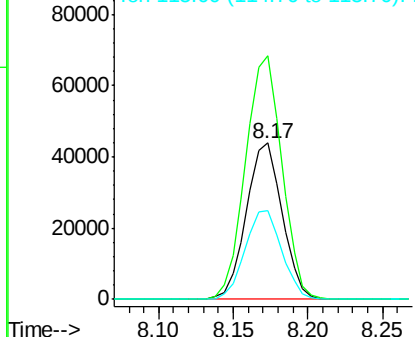
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 831
Delta R.T. 0.00 min
Lab File: BG029293.D
Acq: 17 Oct 2017 5:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 73182
Ion Ratio Lower Upper
152 100
150 155.6 126.6 189.8
115 57.0 53.0 79.4



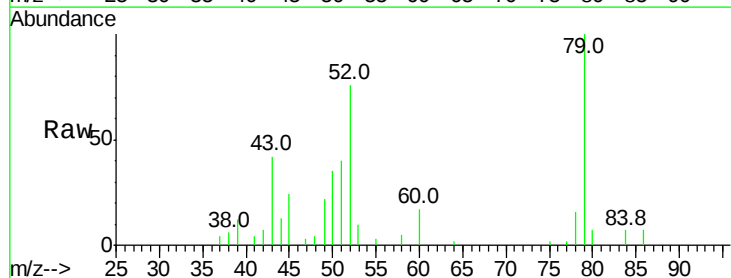
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



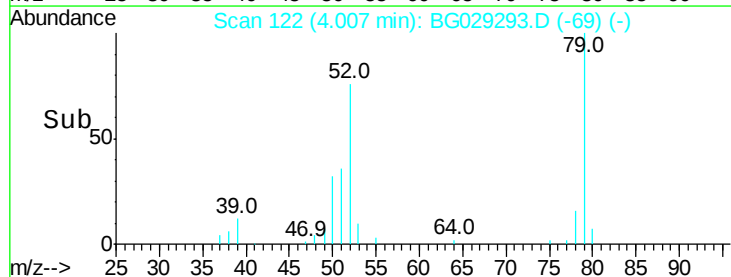
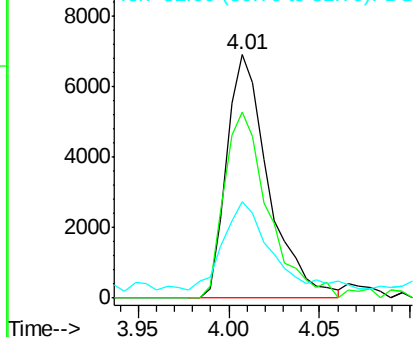
#3

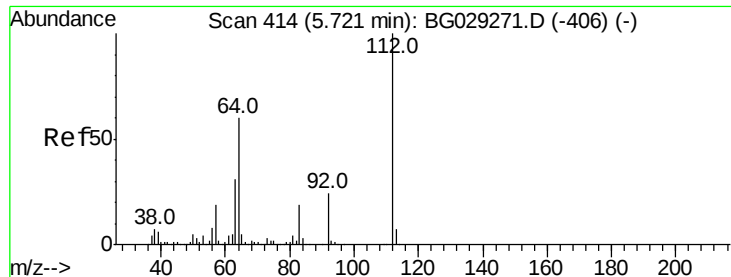
Pyridine
Concen: 2.133 ng
RT: 4.01 min Scan# 122
Delta R.T. 0.01 min
Lab File: BG029293.D
Acq: 17 Oct 2017 5:22

Tgt Ion: 79 Resp: 11040
Ion Ratio Lower Upper
79 100
52 76.2 69.9 104.9
51 39.8 34.0 51.0



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC





#5

2-Fluorophenol

Concen: 140.461 ng

RT: 5.73 min Scan# 415

Delta R.T. 0.01 min

Lab File: BG029293.D

Acq: 17 Oct 2017 5:22

Instrument :

BNA_G

ClientSampleId :

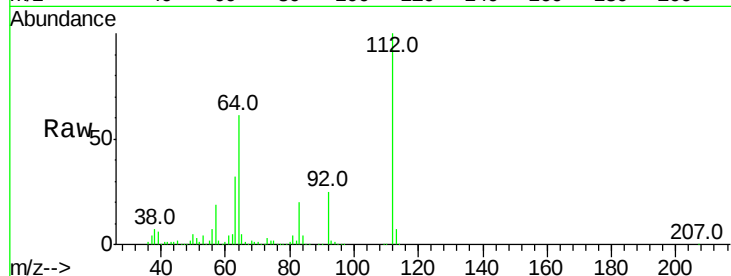
Tot Ion:112 Resp: 615319

Ion Ratio Lower Upper

112 100

64 61.4 56.3 84.5

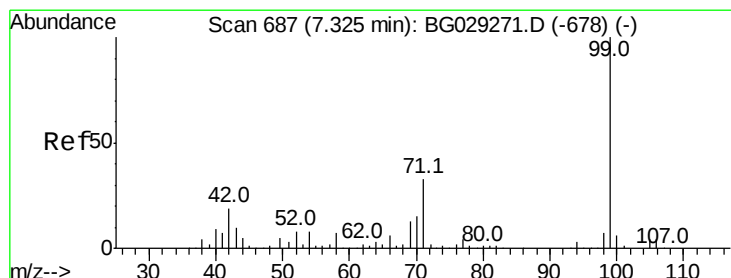
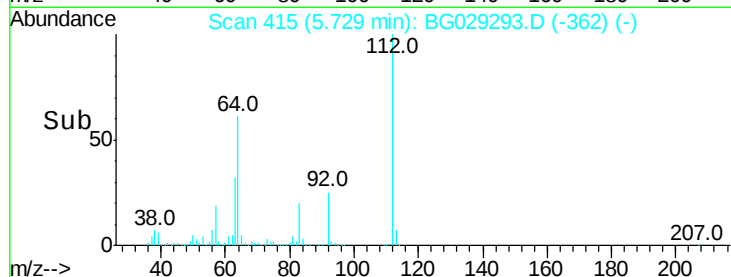
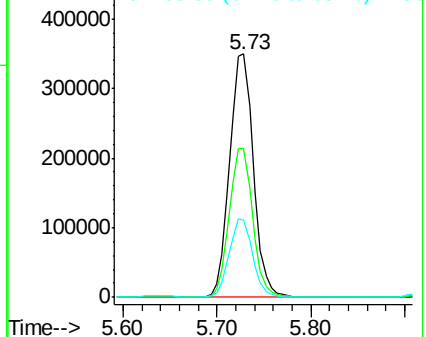
63 31.7 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 125.513 ng

RT: 7.34 min Scan# 689

Delta R.T. 0.01 min

Lab File: BG029293.D

Acq: 17 Oct 2017 5:22

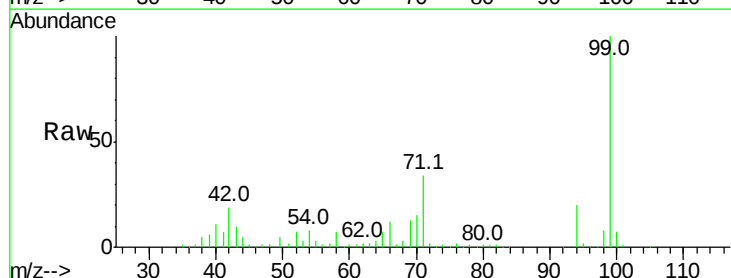
Tgt Ion: 99 Resp: 771783

Ion Ratio Lower Upper

99 100

42 19.5 14.1 21.1

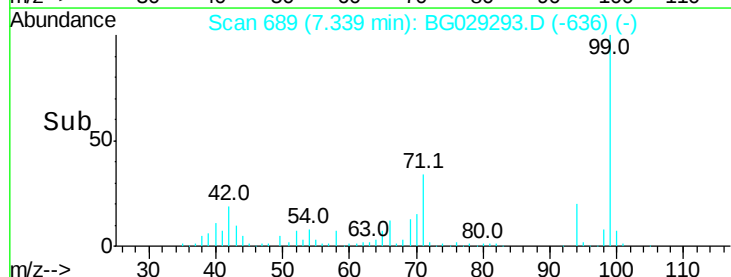
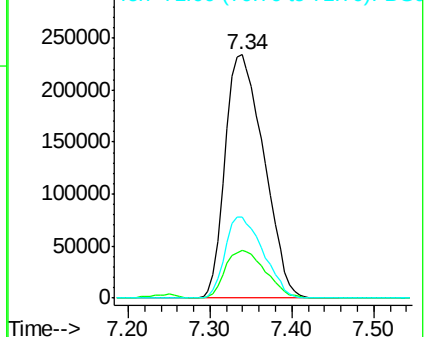
71 33.5 26.1 39.1

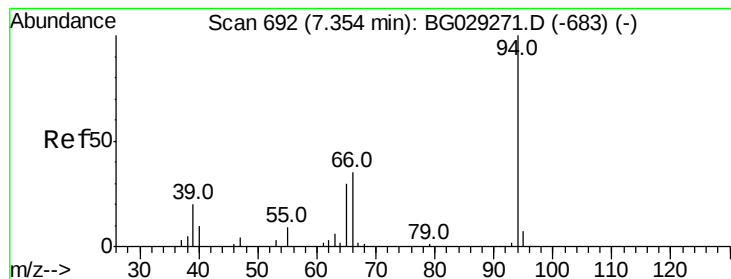


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 95.837 ng

RT: 7.36 min Scan# 693

Delta R.T. 0.01 min

Lab File: BG029293.D

Acq: 17 Oct 2017 5:22

Instrument :

BNA_G

ClientSampleId :

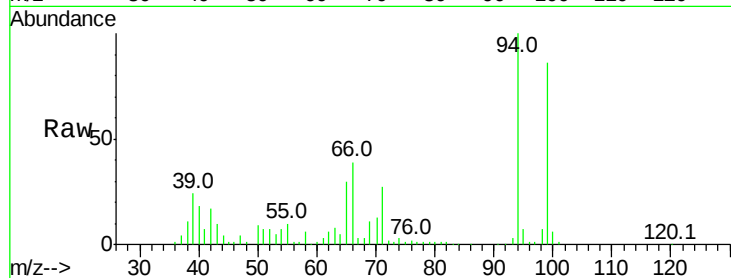
Tot Ion: 94 Resp: 635323

Ion Ratio Lower Upper

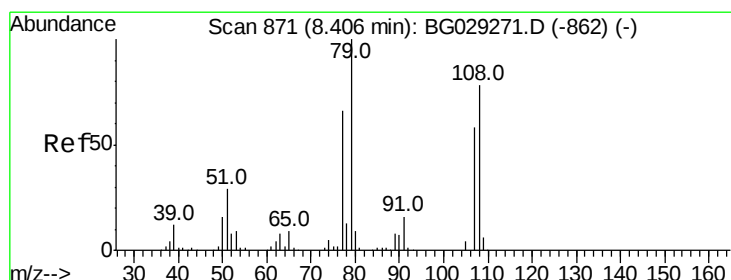
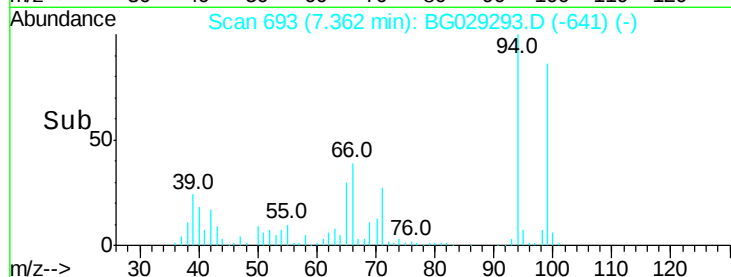
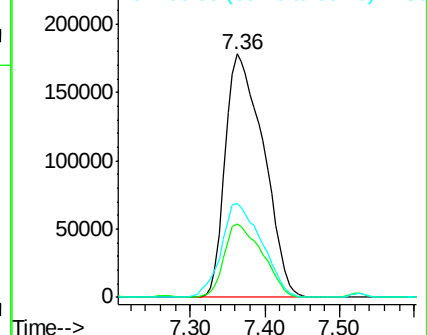
94 100

65 30.2 11.9 51.9

66 38.8 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#15

Benzyl Alcohol

Concen: 2.234 ng

RT: 8.50 min Scan# 886

Delta R.T. 0.09 min

Lab File: BG029293.D

Acq: 17 Oct 2017 5:22

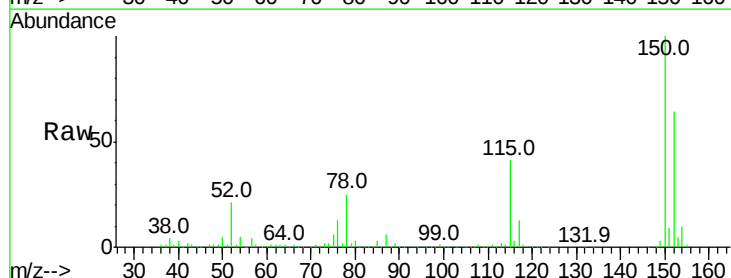
Tgt Ion: 79 Resp: 9682

Ion Ratio Lower Upper

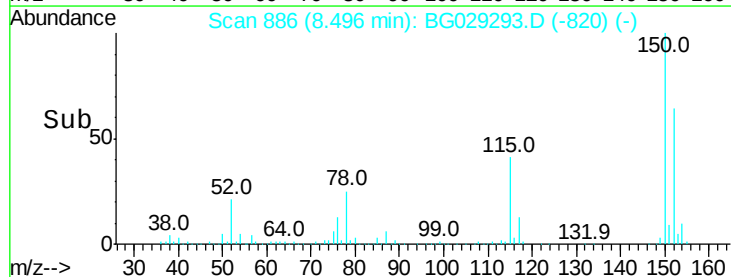
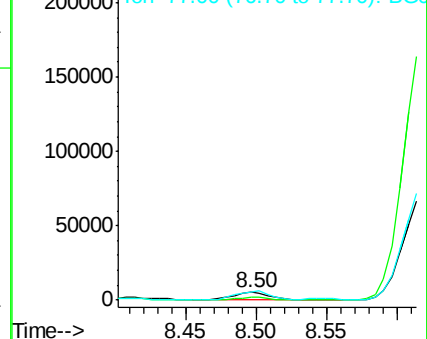
79 100

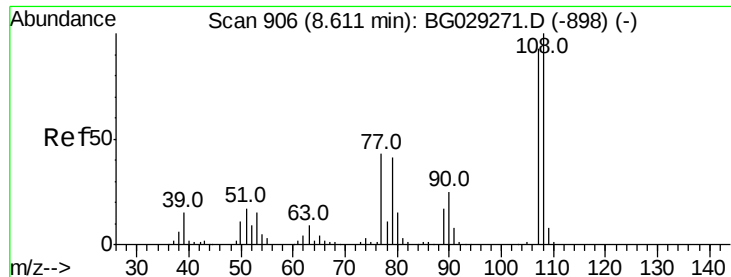
108 41.0 57.2 85.8#

77 112.2 46.1 69.1#



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





#17

2-Methylphenol

Concen: 74.251 ng

RT: 8.62 min Scan# 907

Delta R.T. 0.01 min

Lab File: BG029293.D

Acq: 17 Oct 2017 5:22

Instrument :

BNA_G

ClientSampleId :

Tot Ion:107 Resp: 326982

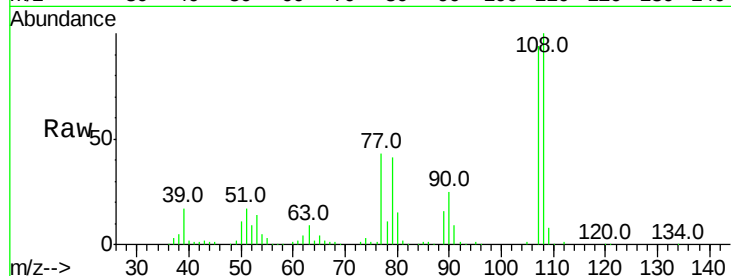
Ion Ratio Lower Upper

107 100

108 106.8 83.9 125.9

77 45.7 37.2 55.8

79 43.5 36.2 54.2

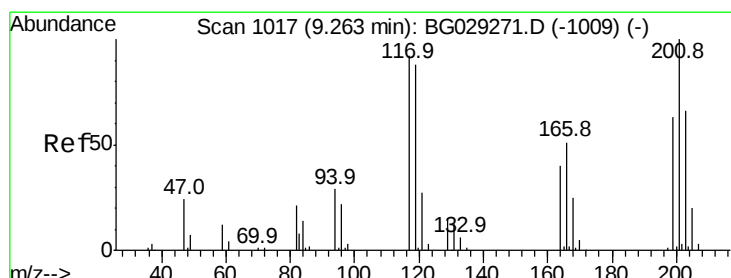
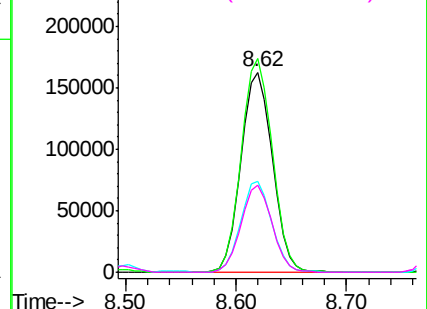
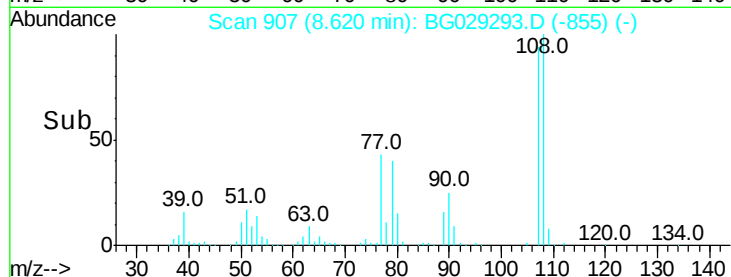


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 24.565 ng

RT: 9.39 min Scan# 1038

Delta R.T. 0.13 min

Lab File: BG029293.D

Acq: 17 Oct 2017 5:22

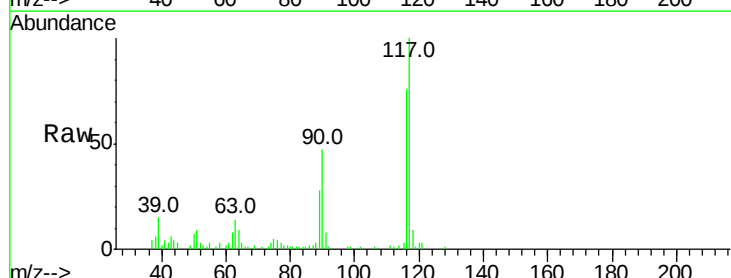
Tgt Ion:117 Resp: 48182

Ion Ratio Lower Upper

117 100

119 0.7 76.7 115.1#

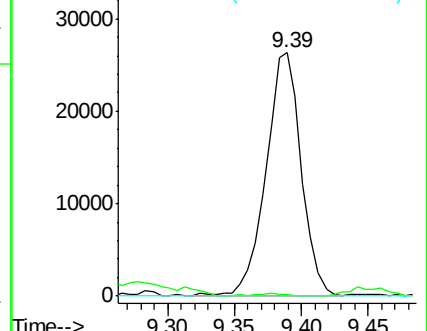
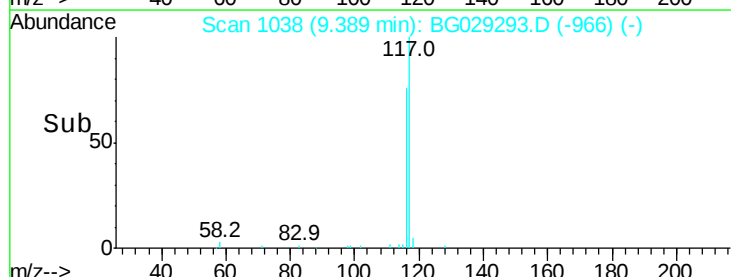
201 0.0 95.7 143.5#

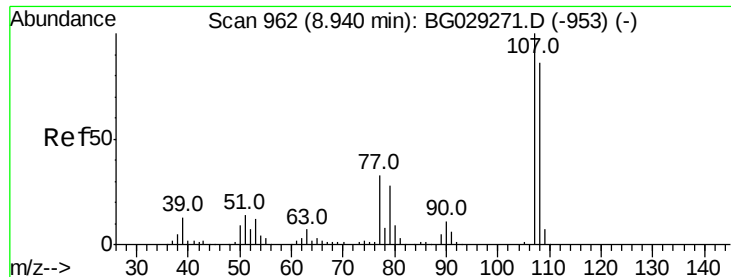


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

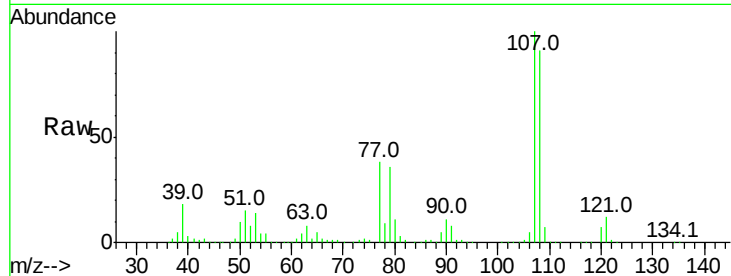




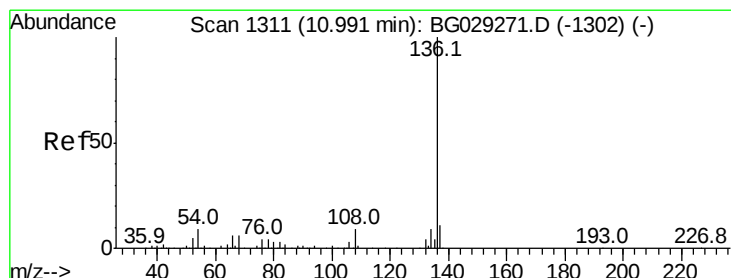
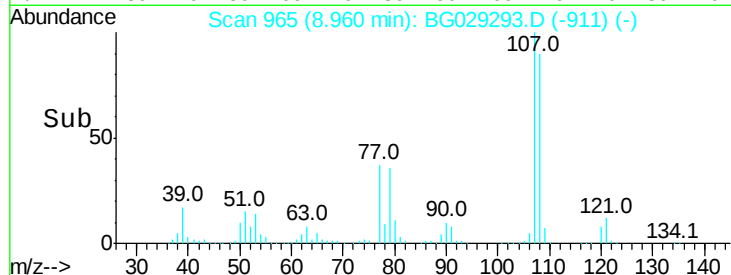
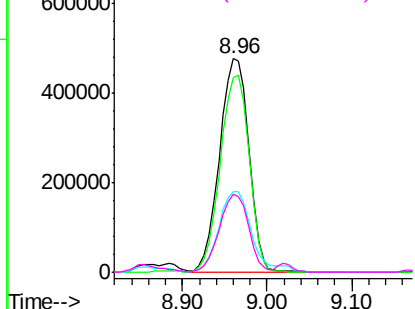
#20
3+4-Methylphenols
Concen: 184.003 ng
RT: 8.96 min Scan# 965
Delta R.T. 0.02 min
Lab File: BG029293.D
Acq: 17 Oct 2017 5:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:107 Resp: 1141740
Ion Ratio Lower Upper
107 100
108 90.9 61.6 101.6
77 37.6 13.9 53.9
79 36.3 8.8 48.8

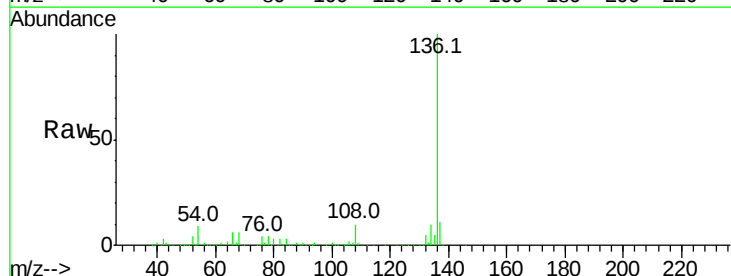


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

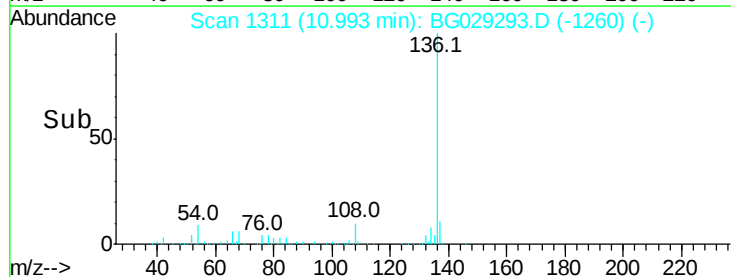
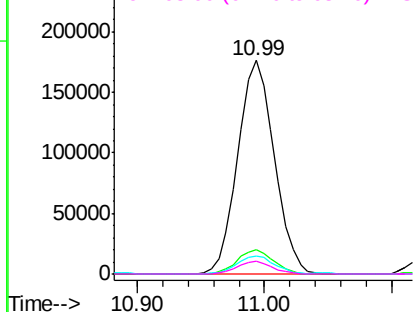


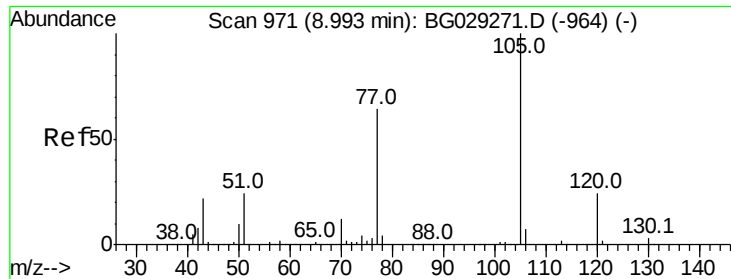
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1311
Delta R.T. 0.00 min
Lab File: BG029293.D
Acq: 17 Oct 2017 5:22

Tgt Ion:136 Resp: 353258
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 8.7 10.3 15.5#
68 6.1 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

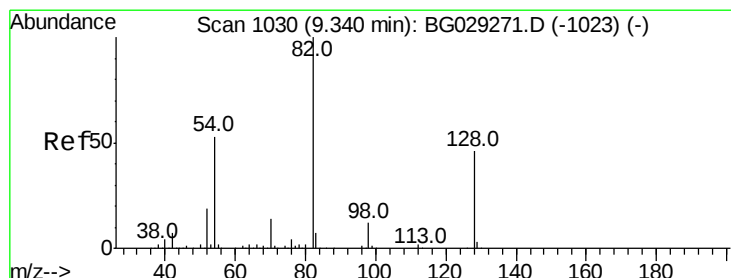
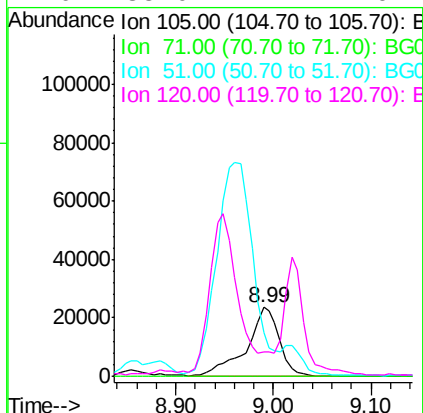
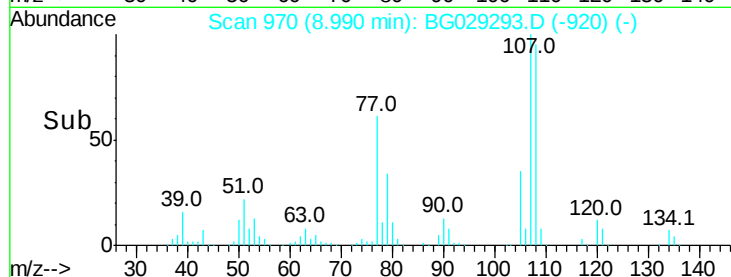
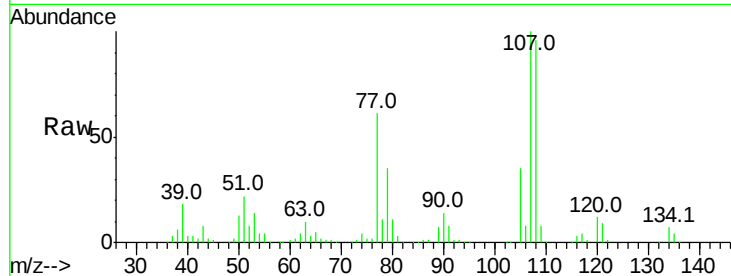




#22
Acetophenone
Concen: 6.533 ng
RT: 8.99 min Scan# 970
Delta R.T. -0.00 min
Lab File: BG029293.D
Acq: 17 Oct 2017 5:22

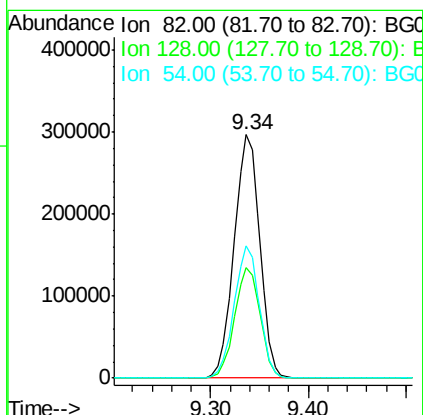
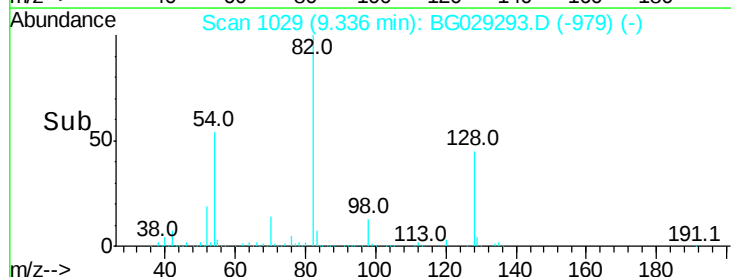
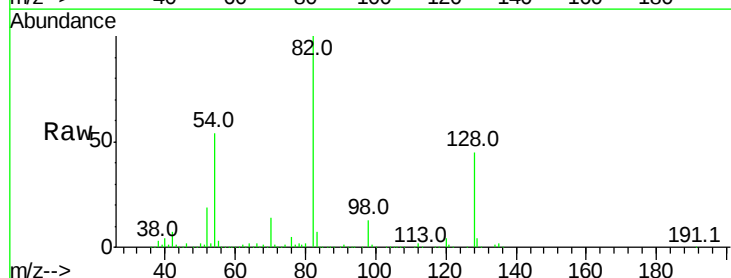
Instrument :
BNA_G
ClientSampled :

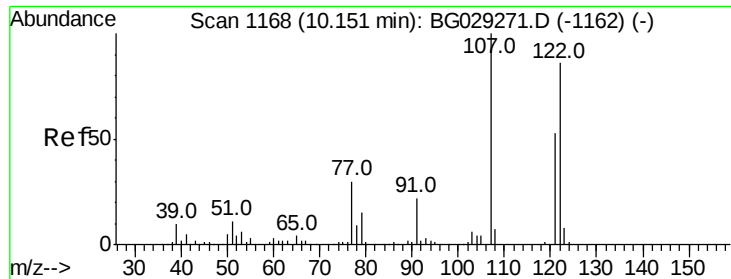
Tot Ion:105 Resp: 55618
Ion Ratio Lower Upper
105 100
71 0.0 3.0 4.4#
51 63.6 26.1 39.1#
120 35.0 17.4 26.2#



#23
Nitrobenzene-d5
Concen: 96.838 ng
RT: 9.34 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BG029293.D
Acq: 17 Oct 2017 5:22

Tgt Ion: 82 Resp: 538322
Ion Ratio Lower Upper
82 100
128 45.4 29.7 44.5#
54 54.2 43.1 64.7

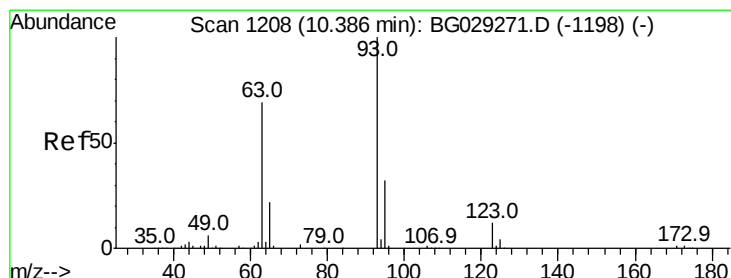
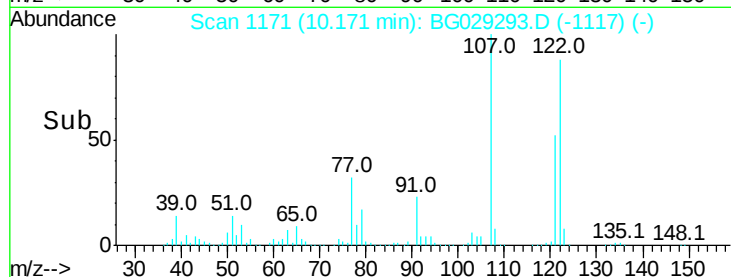
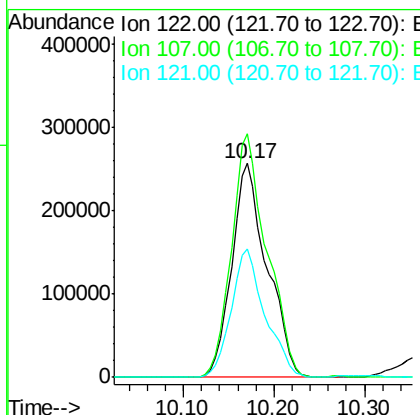
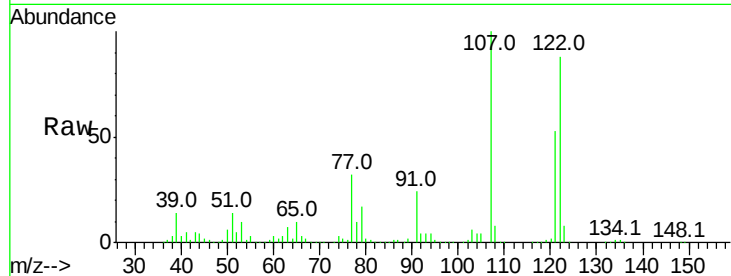




#27
 2,4-Dimethylphenol
 Concen: 128.590 ng
 RT: 10.17 min Scan# 1171
 Delta R.T. 0.02 min
 Lab File: BG029293.D
 Acq: 17 Oct 2017 5:22

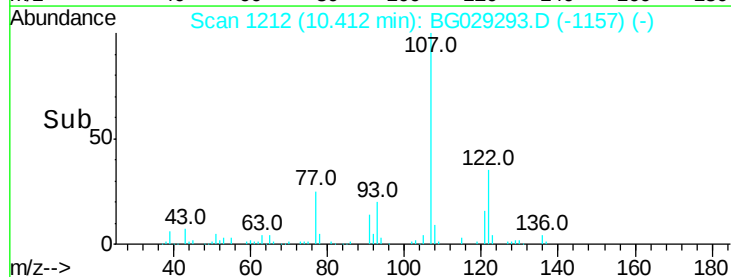
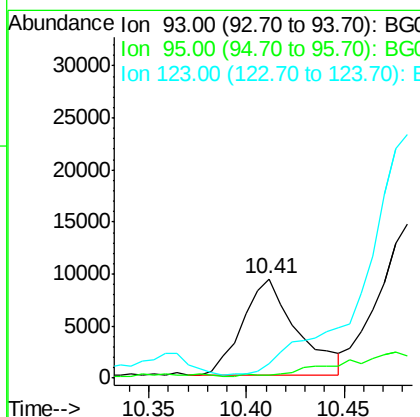
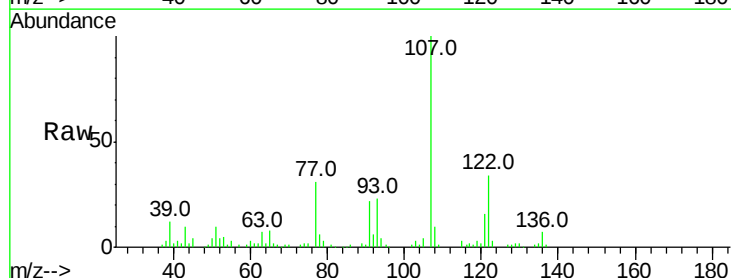
Instrument :
 BNA_G
 ClientSampleId :

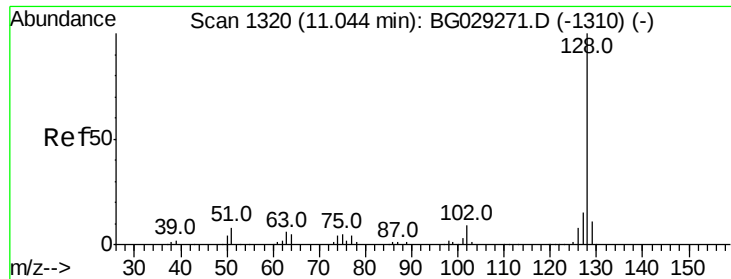
Tot Ion:122 Resp: 695011
 Ion Ratio Lower Upper
 122 100
 107 113.7 100.2 150.2
 121 59.8 44.4 66.6



#28
 bis(2-Chloroethoxy)methane
 Concen: 2.542 ng
 RT: 10.41 min Scan# 1212
 Delta R.T. 0.03 min
 Lab File: BG029293.D
 Acq: 17 Oct 2017 5:22

Tgt Ion: 93 Resp: 18091
 Ion Ratio Lower Upper
 93 100
 95 2.4 24.3 36.5#
 123 15.2 8.4 12.6#

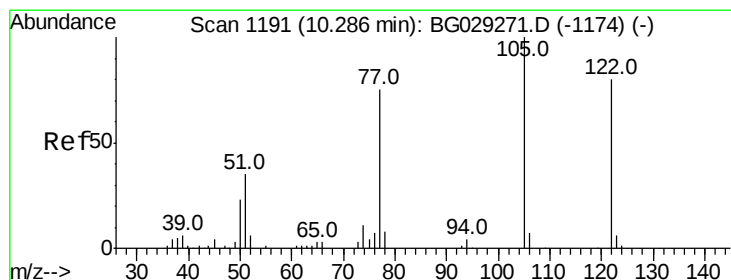
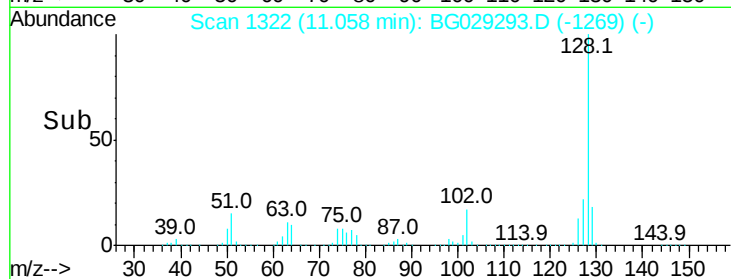
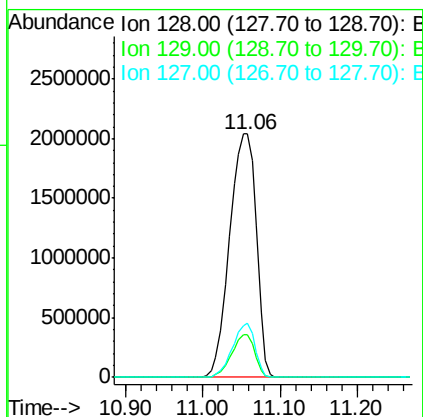
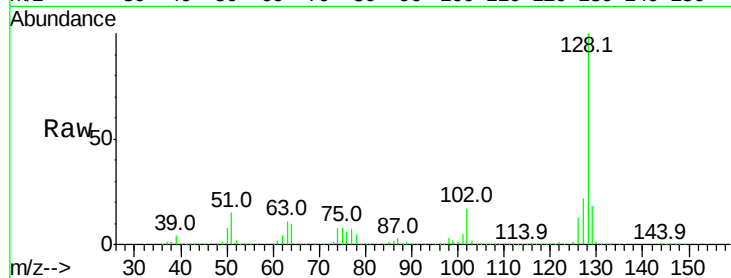




#31
Naphthalene
Concen: 279.795 ng
RT: 11.06 min Scan# 1322
Delta R.T. 0.01 min
Lab File: BG029293.D
Acq: 17 Oct 2017 5:22

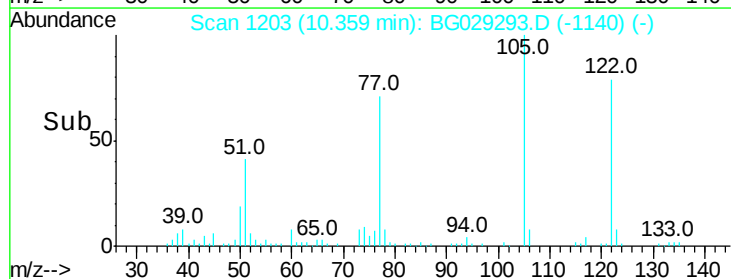
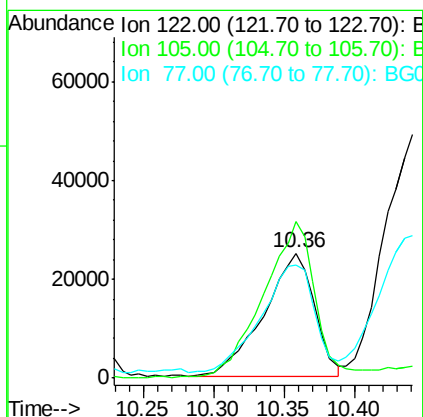
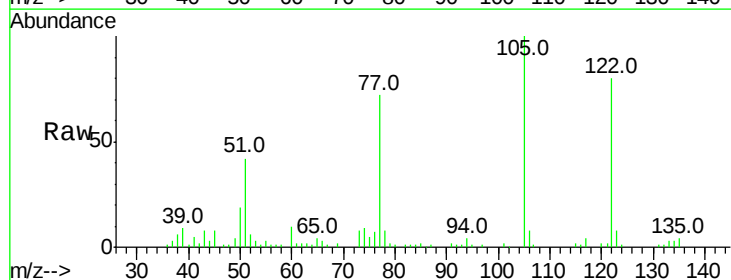
Instrument :
BNA_G
ClientSampleId :

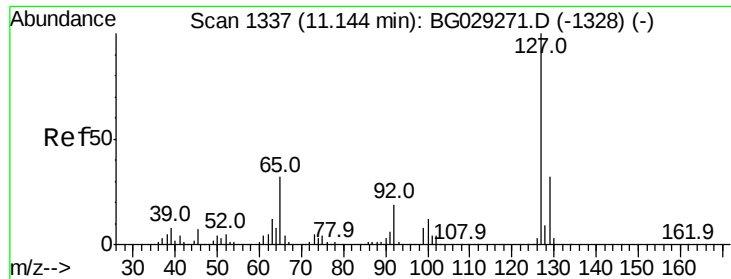
Tot Ion:128 Resp: 4925975
Ion Ratio Lower Upper
128 100
129 17.5 8.6 12.8#
127 22.1 11.6 17.4#



#32
Benzoic acid
Concen: 13.758 ng
RT: 10.36 min Scan# 1203
Delta R.T. 0.07 min
Lab File: BG029293.D
Acq: 17 Oct 2017 5:22

Tgt Ion:122 Resp: 62262
Ion Ratio Lower Upper
122 100
105 125.1 123.5 163.5
77 90.3 85.7 125.7

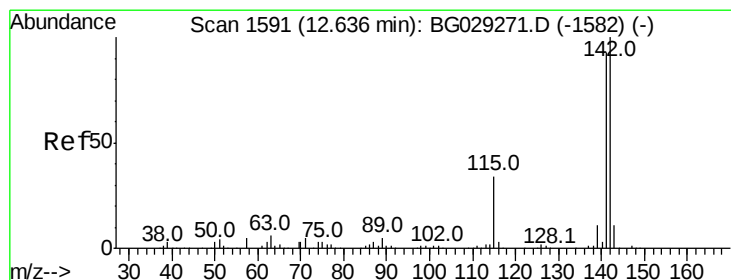
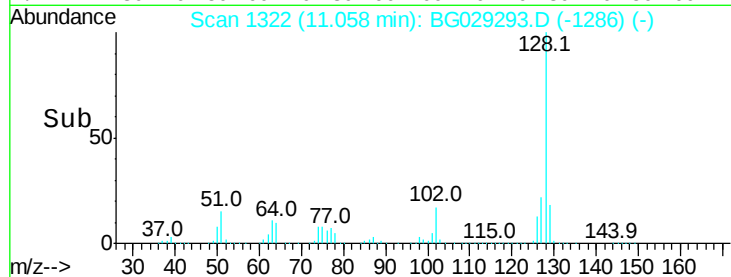
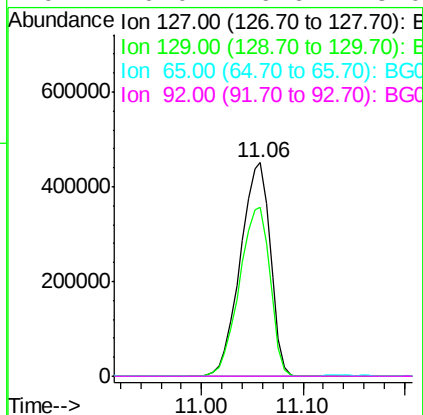
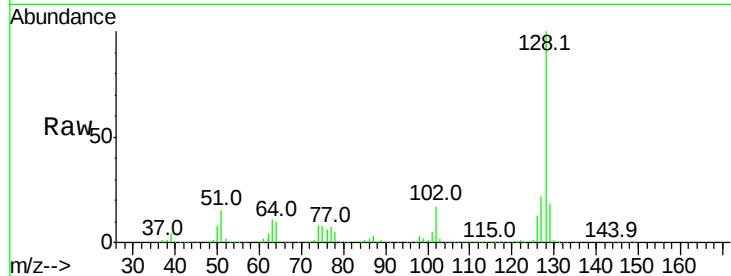




#33
4-Chloroaniline
Concen: 124.944 ng
RT: 11.06 min Scan# 1322
Delta R.T. -0.09 min
Lab File: BG029293.D
Acq: 17 Oct 2017 5:22

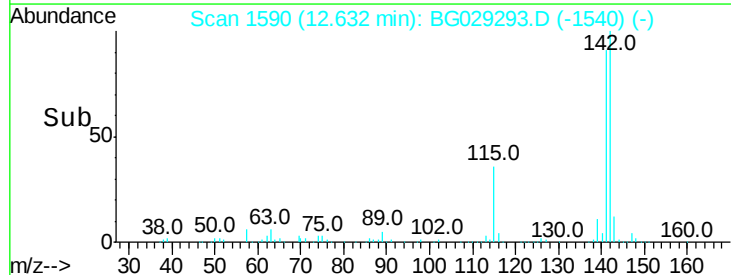
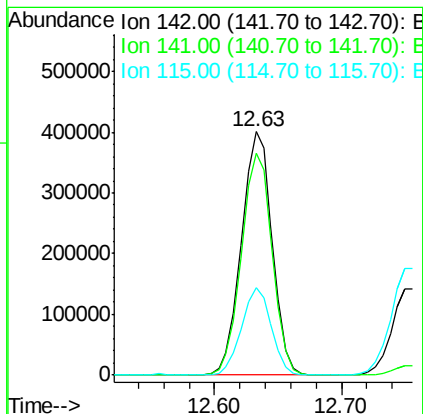
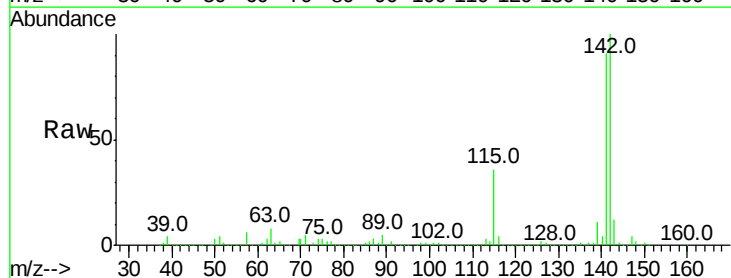
Instrument :
BNA_G
ClientSampleId :

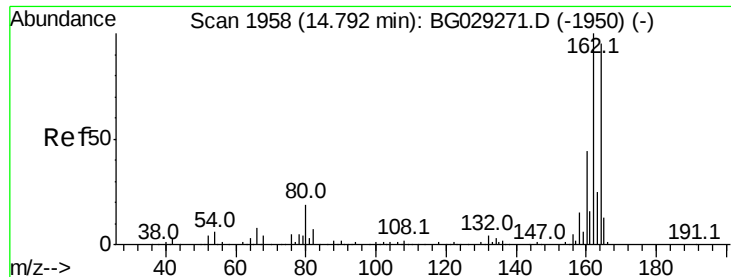
Tot Ion:	127	Resp:	925306
Ion	Ratio	Lower	Upper
127	100		
129	79.2	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#



#37
2-Methylnaphthalene
Concen: 52.311 ng
RT: 12.63 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BG029293.D
Acq: 17 Oct 2017 5:22

Tgt Ion:	142	Resp:	671217
Ion	Ratio	Lower	Upper
142	100		
141	91.2	67.1	100.7
115	35.8	30.7	46.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1957

Delta R.T. -0.00 min

Lab File: BG029293.D

Acq: 17 Oct 2017 5:22

Instrument :

BNA_G

ClientSampleId :

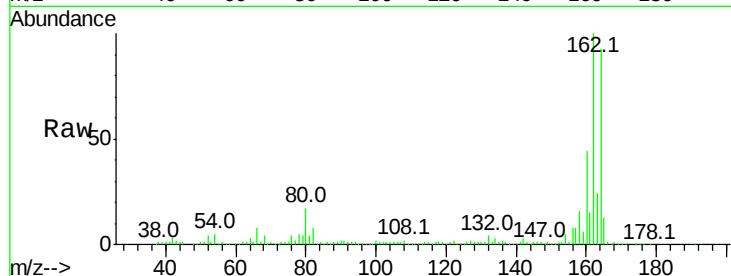
Tot Ion:164 Resp: 218499

Ion Ratio Lower Upper

164 100

162 107.5 78.8 118.2

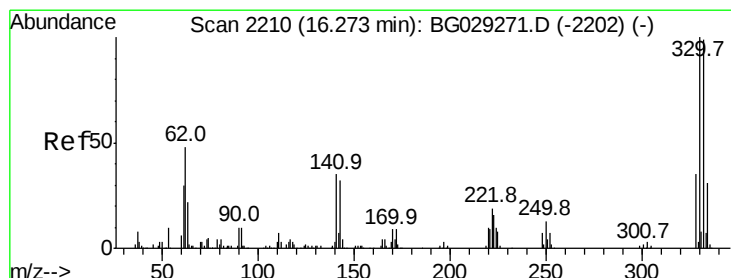
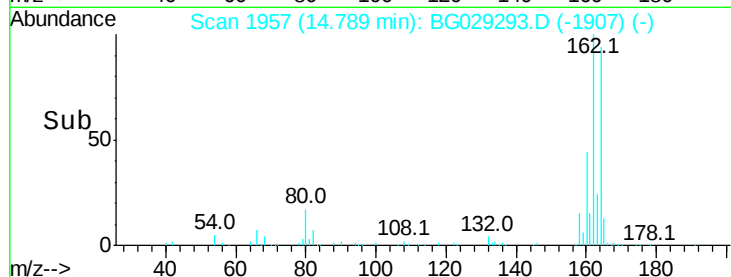
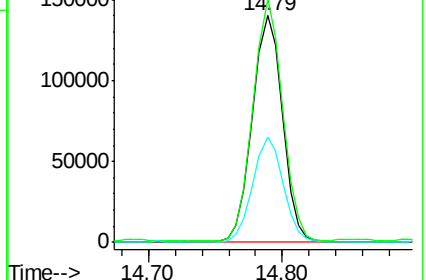
160 46.8 35.4 53.0



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: 136.043 ng

RT: 16.28 min Scan# 2210

Delta R.T. 0.00 min

Lab File: BG029293.D

Acq: 17 Oct 2017 5:22

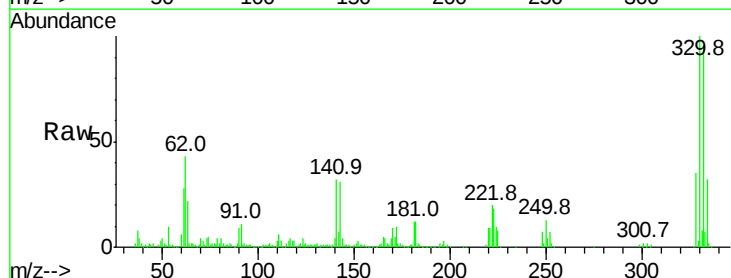
Tgt Ion:330 Resp: 383783

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

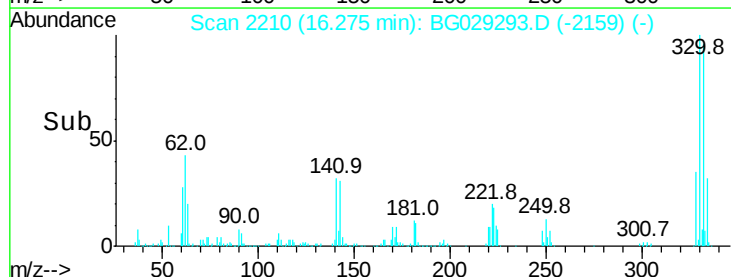
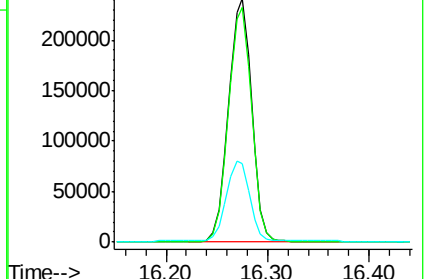
141 32.8 25.2 37.8

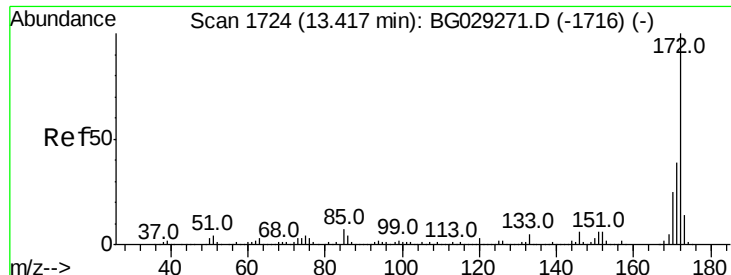


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



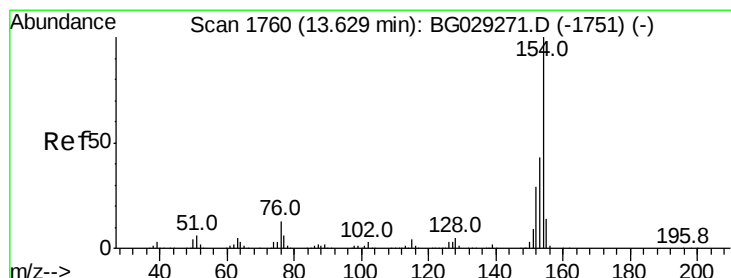
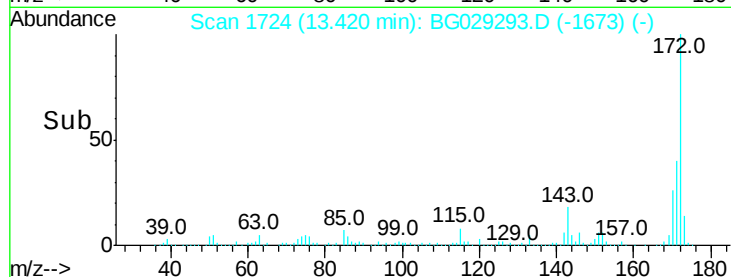
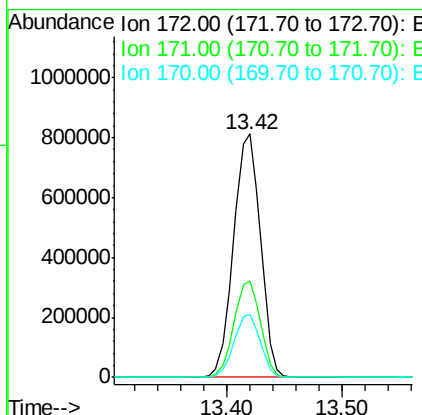
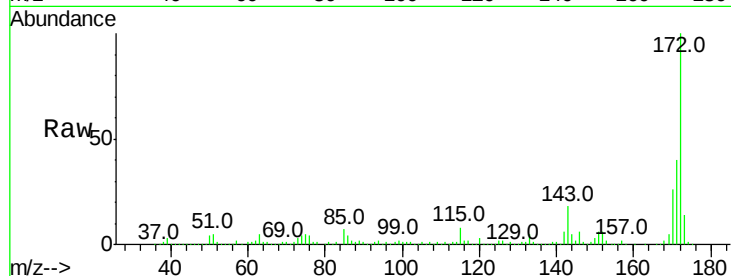


#44
 2-Fluorobiphenyl
 Concen: 87.685 ng
 RT: 13.42 min Scan# 1724
 Delta R.T. 0.00 min
 Lab File: BG029293.D
 Acq: 17 Oct 2017 5:22

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 1306308

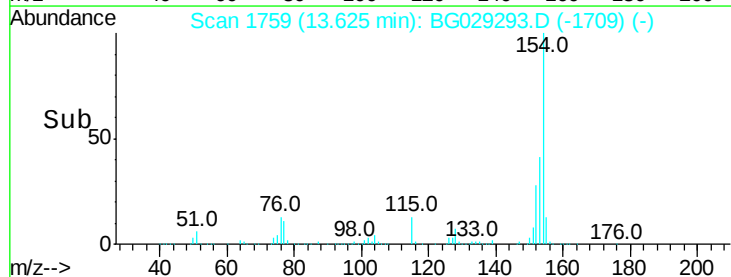
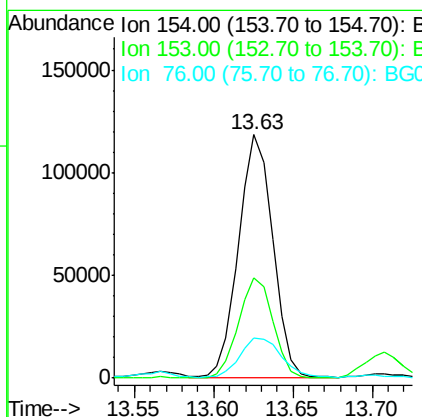
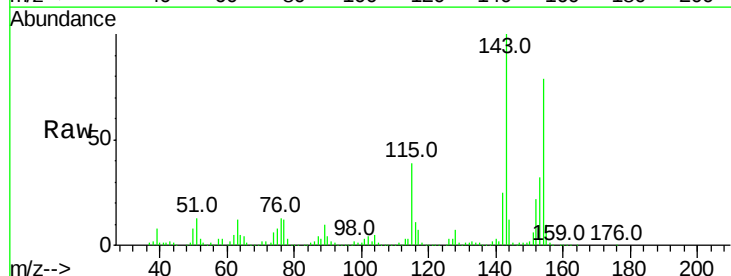
Ion	Ratio	Lower	Upper
172	100		
171	39.6	30.0	45.0
170	25.8	19.5	29.3

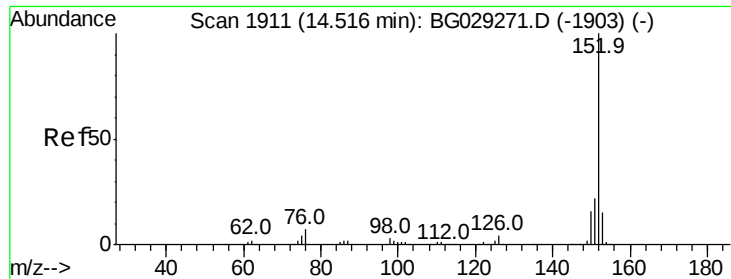


#45
 1,1'-Biphenyl
 Concen: 9.420 ng
 RT: 13.63 min Scan# 1759
 Delta R.T. -0.00 min
 Lab File: BG029293.D
 Acq: 17 Oct 2017 5:22

Tgt Ion:154 Resp: 176908

Ion	Ratio	Lower	Upper
154	100		
153	40.9	19.8	59.8
76	16.6	0.0	31.9





#48

Acenaphthylene

Concen: 22.601 ng

RT: 14.51 min Scan# 1910

Delta R.T. -0.00 min

Lab File: BG029293.D

Acq: 17 Oct 2017 5:22

Instrument :

BNA_G

ClientSampleId :

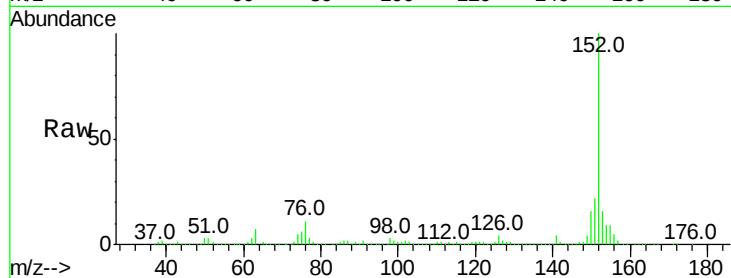
Tot Ion:152 Resp: 484547

Ion Ratio Lower Upper

152 100

151 22.4 17.2 25.8

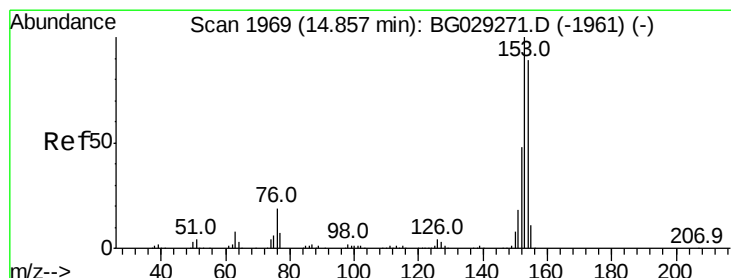
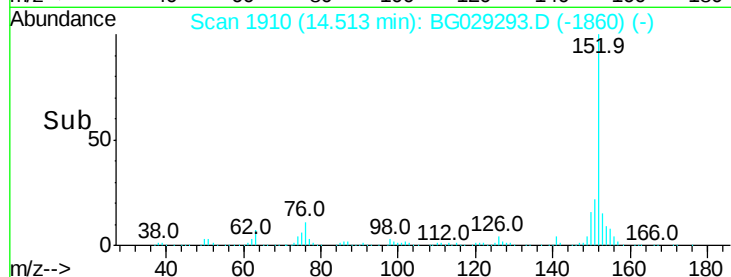
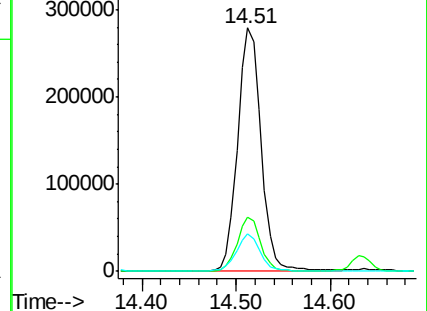
153 15.6 10.2 15.4#



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: 35.904 ng

RT: 14.85 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG029293.D

Acq: 17 Oct 2017 5:22

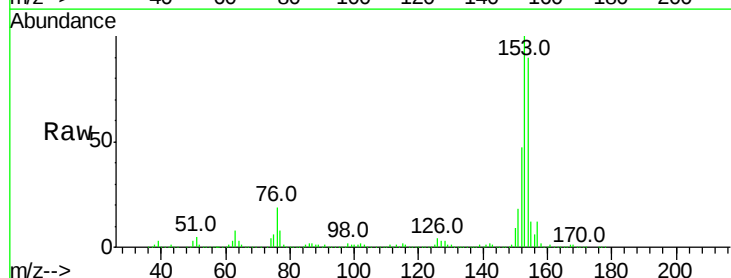
Tgt Ion:154 Resp: 500837

Ion Ratio Lower Upper

154 100

153 111.6 90.4 135.6

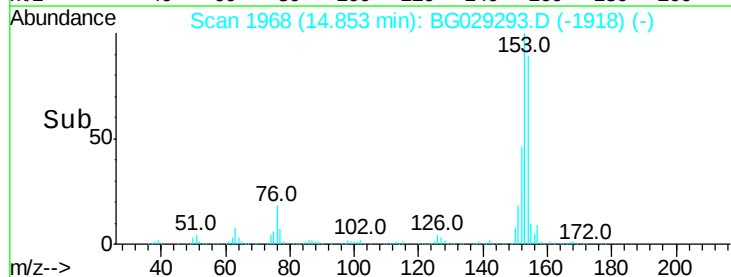
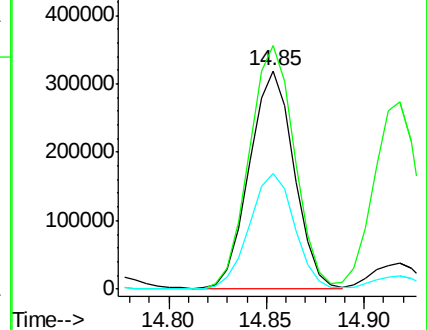
152 53.0 41.6 62.4

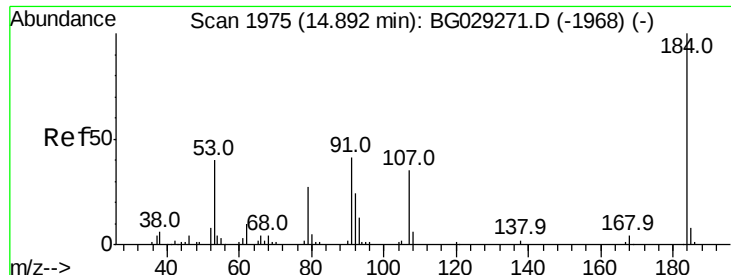


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

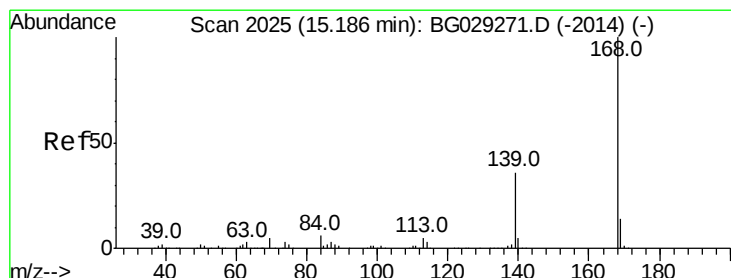
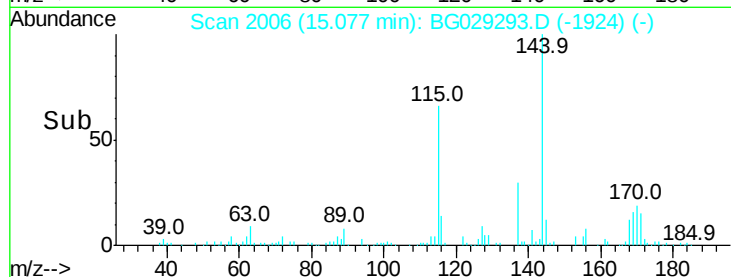
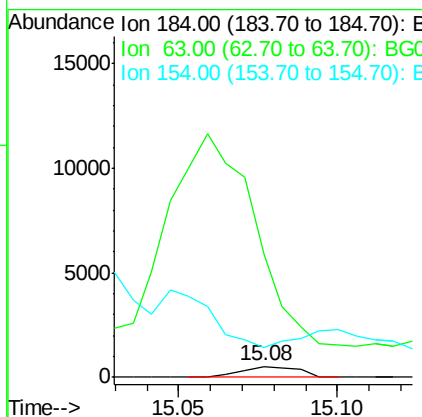
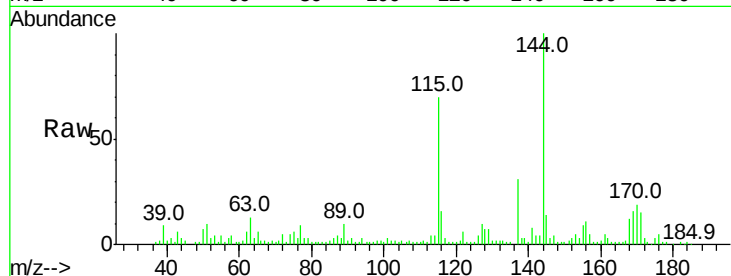




#53
 2,4-Dinitrophenol
 Concen: 6.930 ng
 RT: 15.08 min Scan# 2006
 Delta R.T. 0.18 min
 Lab File: BG029293.D
 Acq: 17 Oct 2017 5:22

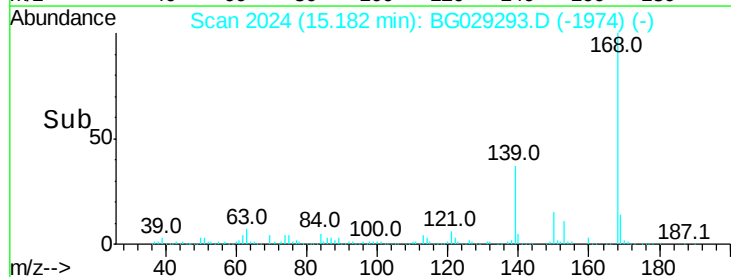
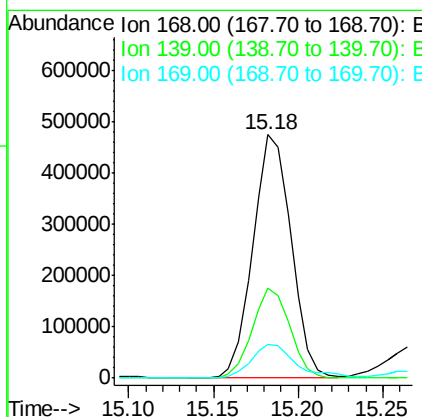
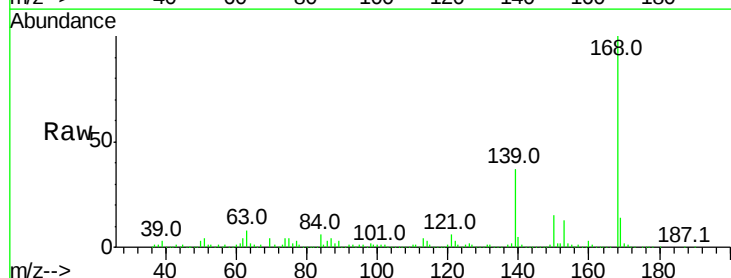
Instrument :
 BNA_G
 ClientSampleId :

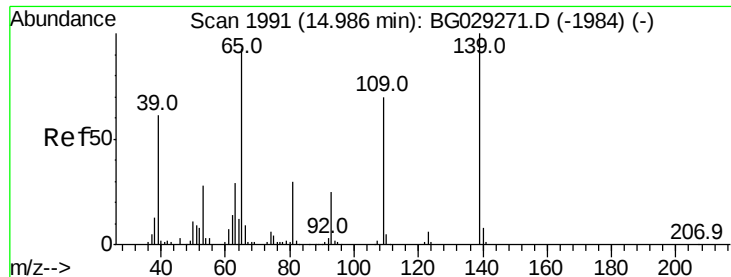
Tot Ion:184 Resp: 641
 Ion Ratio Lower Upper
 184 100
 63 1118.7 59.8 89.8#
 154 273.9 101.8 152.8#



#54
 Dibenzofuran
 Concen: 37.342 ng
 RT: 15.18 min Scan# 2024
 Delta R.T. -0.00 min
 Lab File: BG029293.D
 Acq: 17 Oct 2017 5:22

Tgt Ion:168 Resp: 743614
 Ion Ratio Lower Upper
 168 100
 139 36.8 28.6 43.0
 169 14.0 11.2 16.8

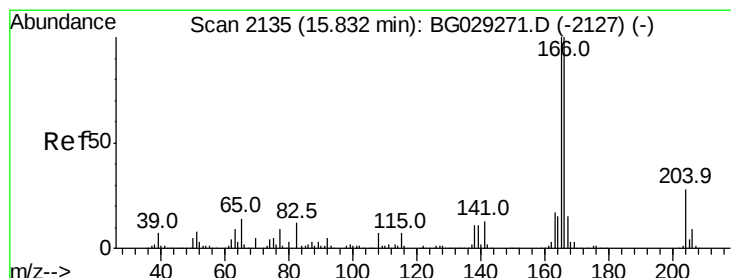
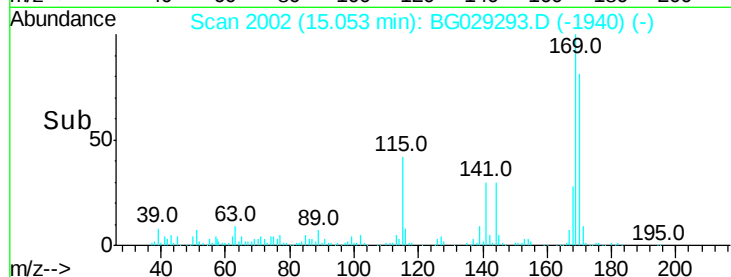
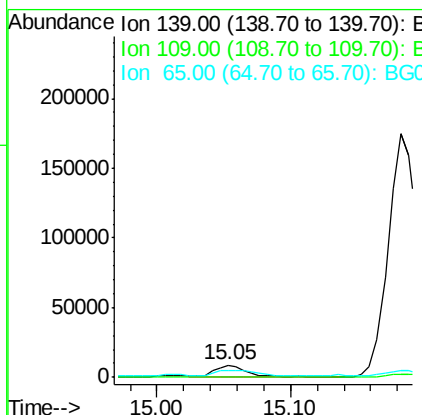
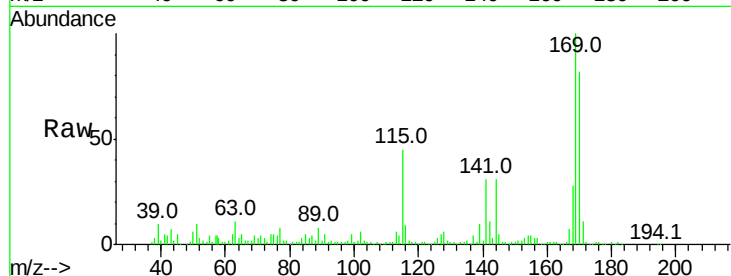




#55
4-Nitrophenol
Concen: 4.376 ng
RT: 15.05 min Scan# 2002
Delta R.T. 0.07 min
Lab File: BG029293.D
Acq: 17 Oct 2017 5:22

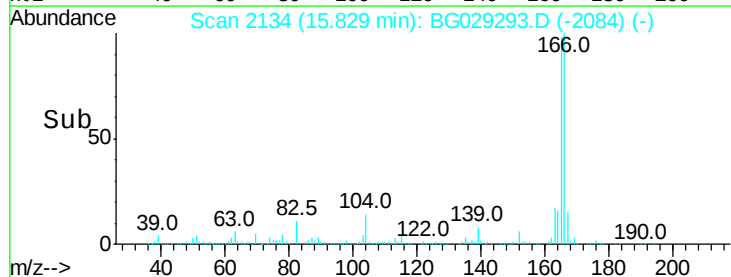
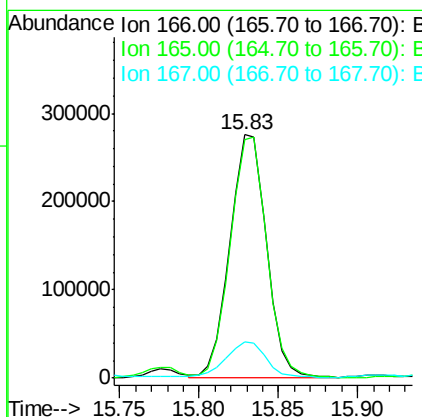
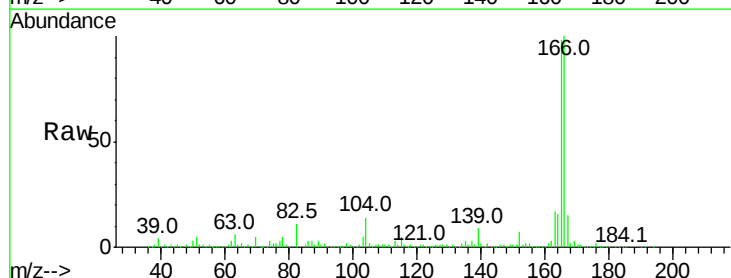
Instrument :
BNA_G
ClientSampleId :

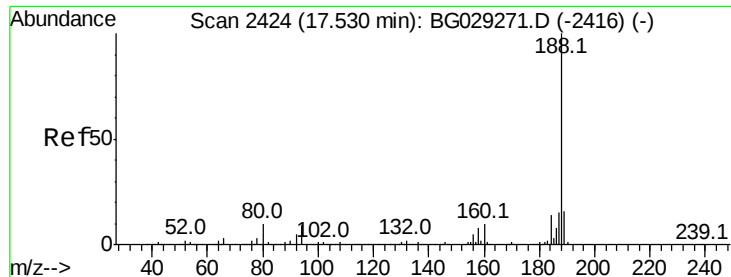
Tot Ion:139 Resp: 13911
Ion Ratio Lower Upper
139 100
109 5.0 62.2 102.2#
65 54.7 97.2 137.2#



#57
Fluorene
Concen: 26.585 ng
RT: 15.83 min Scan# 2134
Delta R.T. -0.00 min
Lab File: BG029293.D
Acq: 17 Oct 2017 5:22

Tgt Ion:166 Resp: 437340
Ion Ratio Lower Upper
166 100
165 98.2 80.6 121.0
167 15.1 10.4 15.6

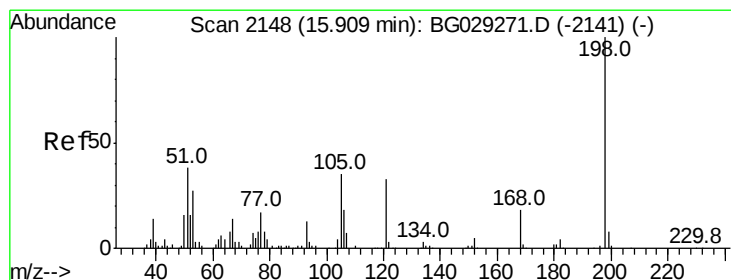
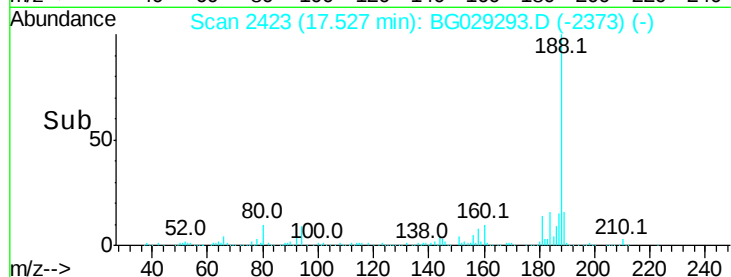
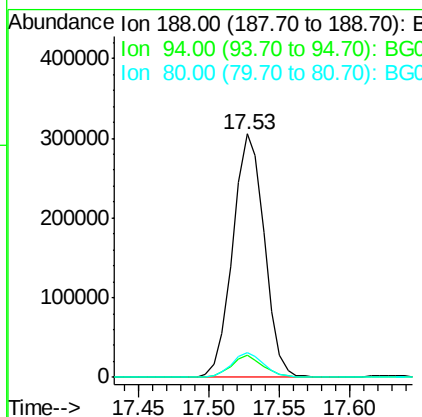
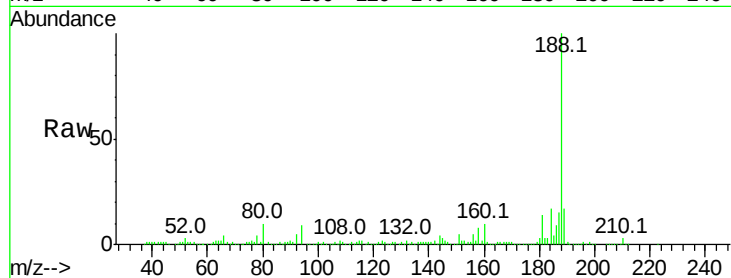




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.53 min Scan# 2423
Delta R.T. -0.00 min
Lab File: BG029293.D
Acq: 17 Oct 2017 5:22

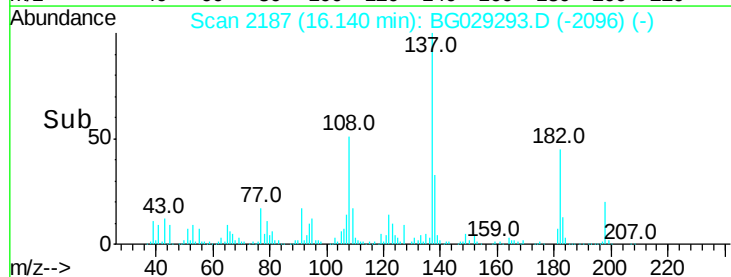
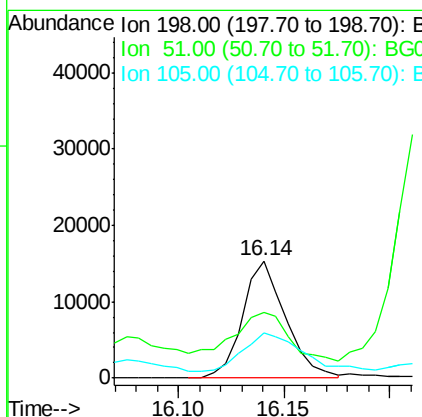
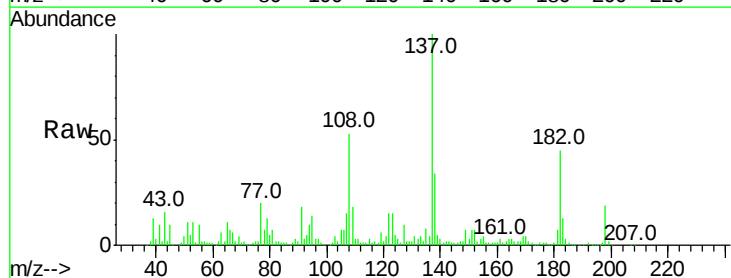
Instrument :
BNA_G
ClientSampleId :

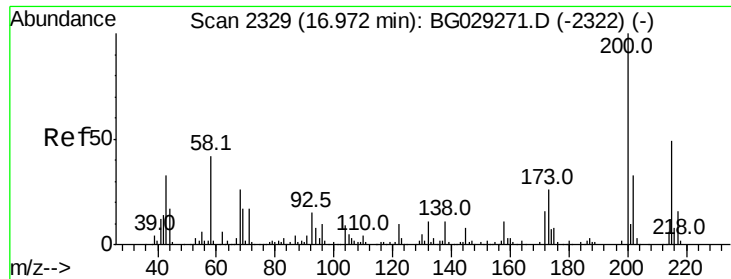
Tot Ion:188 Resp: 473769
Ion Ratio Lower Upper
188 100
94 9.0 6.9 10.3
80 10.2 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 12.212 ng
RT: 16.14 min Scan# 2187
Delta R.T. 0.23 min
Lab File: BG029293.D
Acq: 17 Oct 2017 5:22

Tgt Ion:198 Resp: 21691
Ion Ratio Lower Upper
198 100
51 55.9 30.6 70.6
105 38.2 23.8 63.8

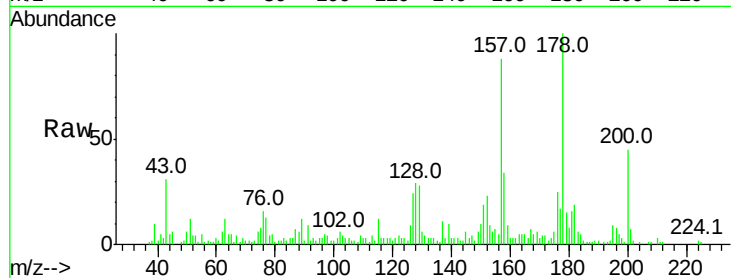




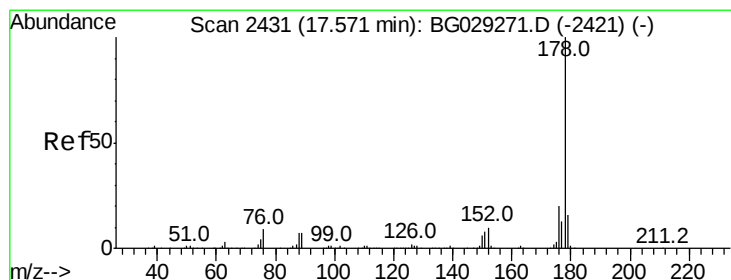
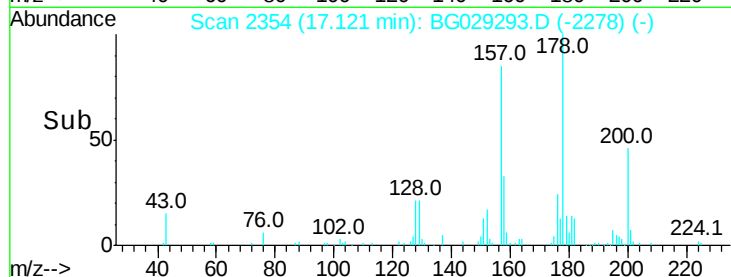
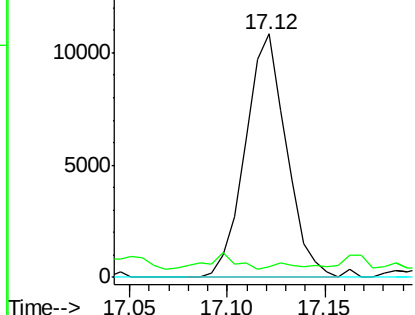
#68
 Atrazine
 Concen: 3.110 ng
 RT: 17.12 min Scan# 2354
 Delta R.T. 0.15 min
 Lab File: BG029293.D
 Acq: 17 Oct 2017 5:22

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:200 Resp: 15749
 Ion Ratio Lower Upper
 200 100
 173 4.5 5.2 45.2#
 215 0.0 30.4 70.4#

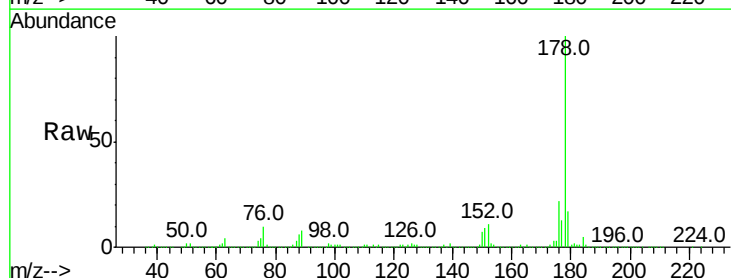


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

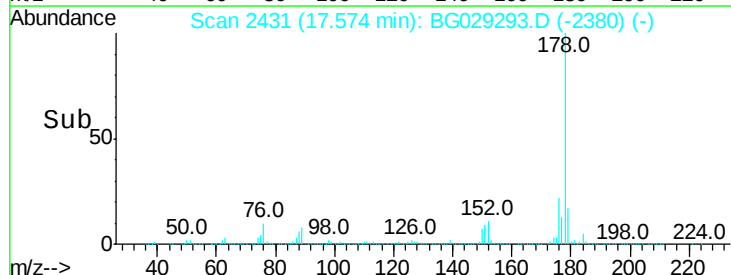
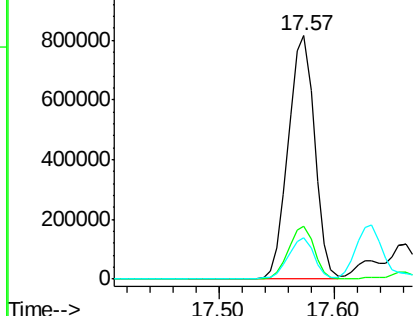


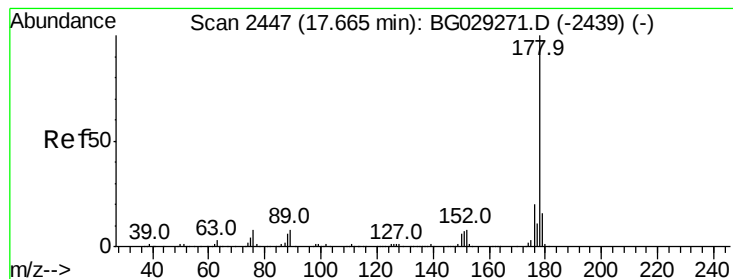
#70
 Phenanthrene
 Concen: 52.793 ng
 RT: 17.57 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: BG029293.D
 Acq: 17 Oct 2017 5:22

Tgt Ion:178 Resp: 1292107
 Ion Ratio Lower Upper
 178 100
 176 21.7 15.7 23.5
 179 16.9 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: 6.357 ng

RT: 17.66 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BG029293.D

Acq: 17 Oct 2017 5:22

Instrument :

BNA_G

ClientSampled :

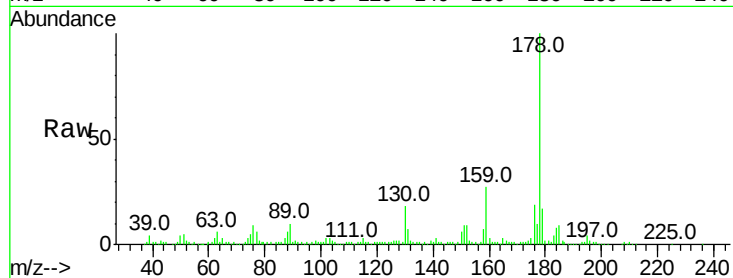
Tot Ion:178 Resp: 156230

Ion Ratio Lower Upper

178 100

176 18.7 16.0 24.0

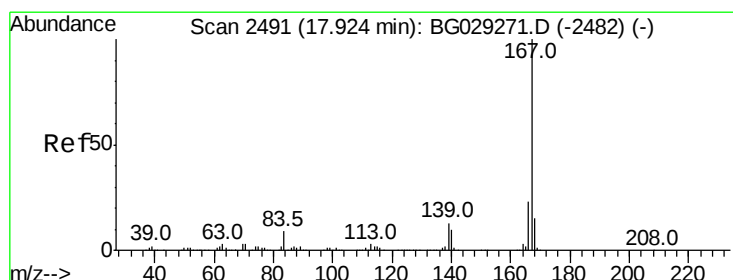
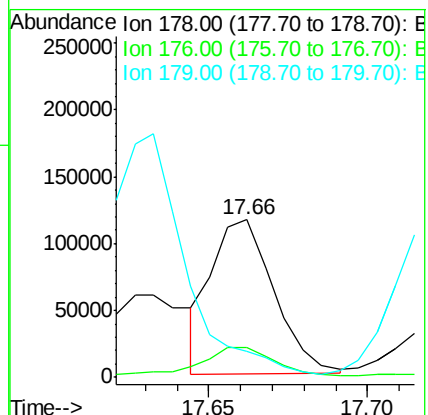
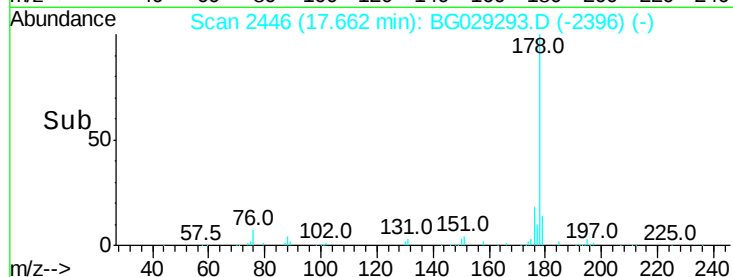
179 16.9 12.5 18.7



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: 53.475 ng

RT: 17.93 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BG029293.D

Acq: 17 Oct 2017 5:22

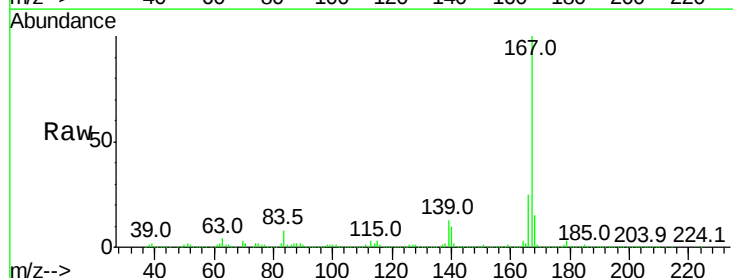
Tgt Ion:167 Resp: 1262448

Ion Ratio Lower Upper

167 100

166 24.8 18.2 27.4

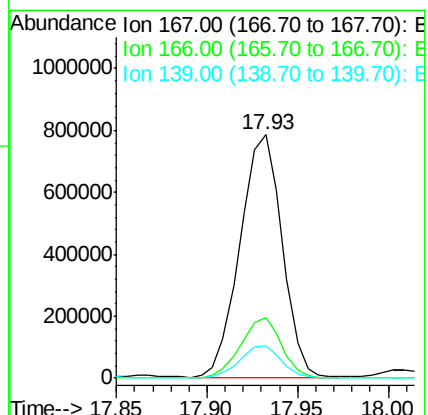
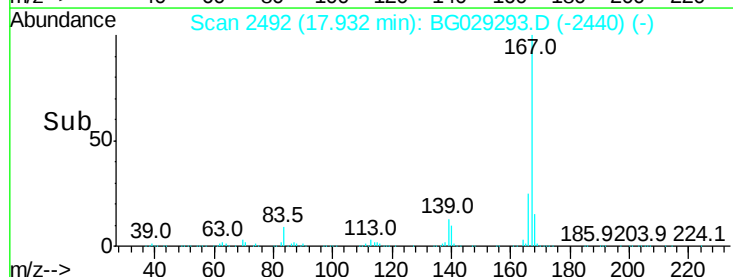
139 13.3 9.4 14.2

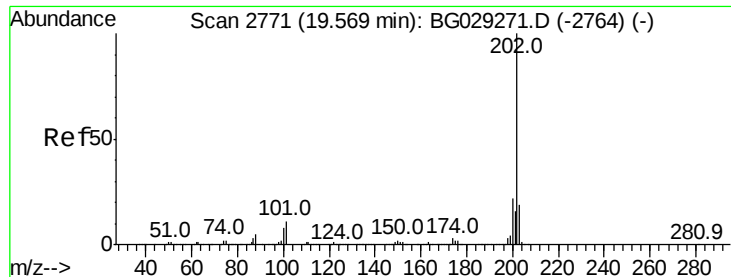


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

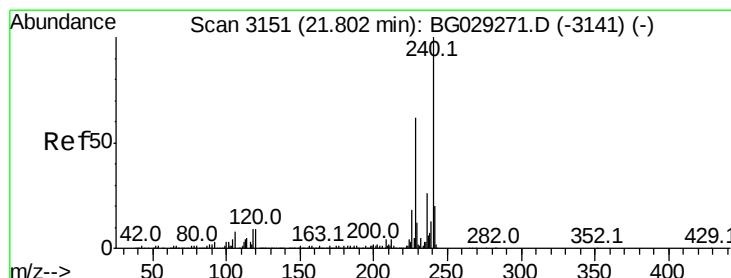
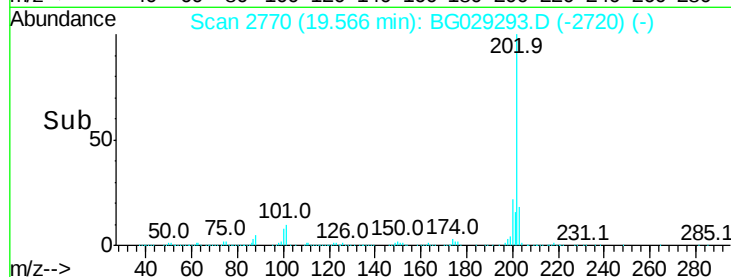
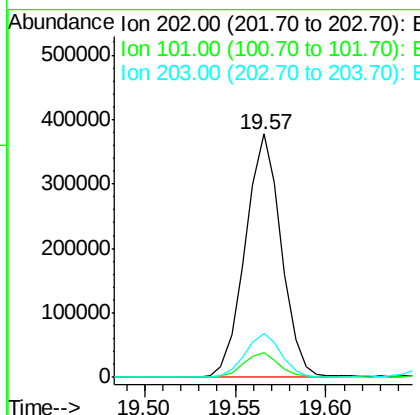
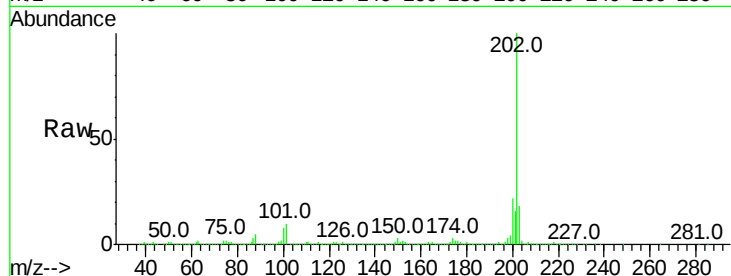




#74
 Fluoranthene
 Concen: 18.037 ng
 RT: 19.57 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: BG029293.D
 Acq: 17 Oct 2017 5:22

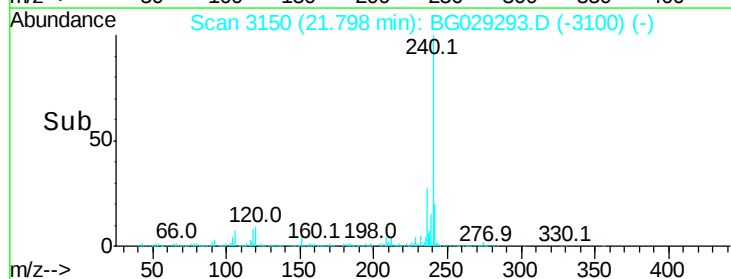
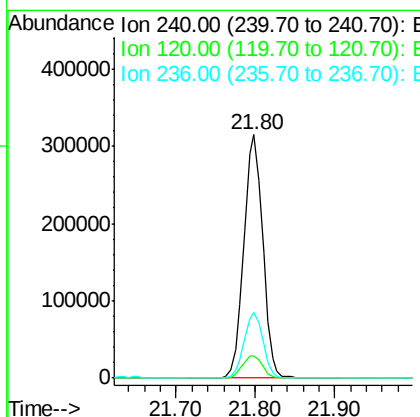
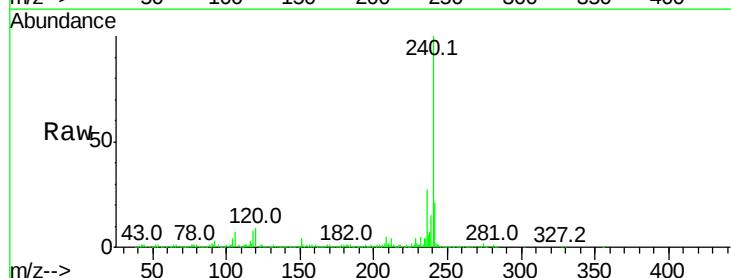
Instrument :
 BNA_G
 ClientSampleId :

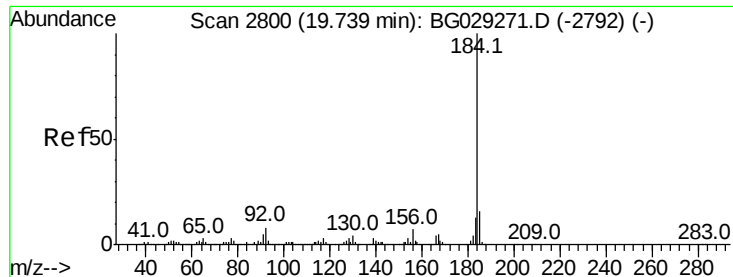
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	28.9
203	17.9	0.0	37.5



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3150
 Delta R.T. -0.00 min
 Lab File: BG029293.D
 Acq: 17 Oct 2017 5:22

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.9	6.8	10.2
236	26.8	20.9	31.3





#76

Benzidine

Concen: 9.555 ng

RT: 19.84 min Scan# 2817

Delta R.T. 0.10 min

Lab File: BG029293.D

Acq: 17 Oct 2017 5:22

Instrument :

BNA_G

ClientSampleId :

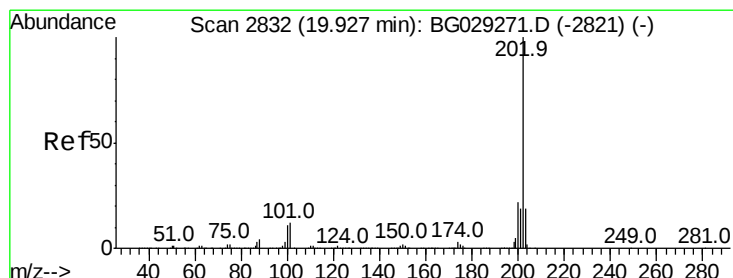
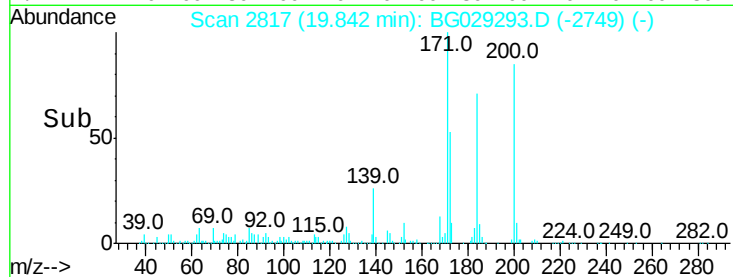
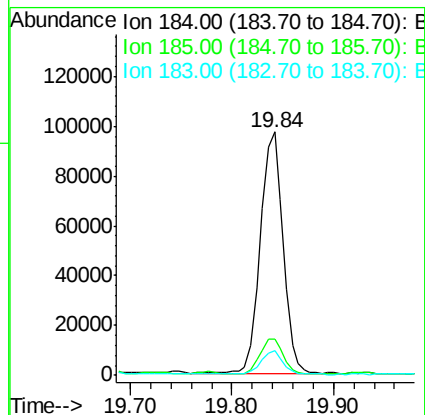
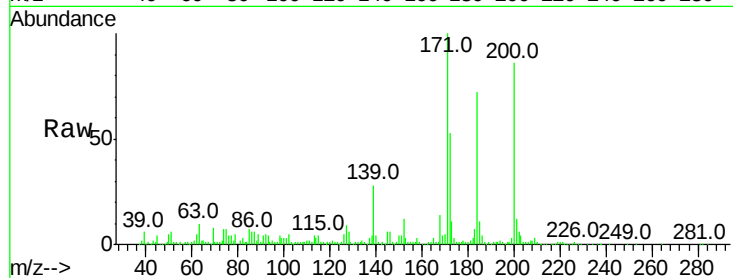
Tot Ion:184 Resp: 150754

Ion Ratio Lower Upper

184 100

185 14.8 11.1 16.7

183 10.2 10.6 16.0#



#77

Pyrene

Concen: 11.265 ng

RT: 19.92 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BG029293.D

Acq: 17 Oct 2017 5:22

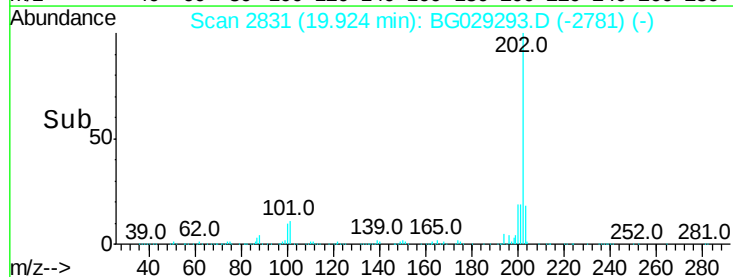
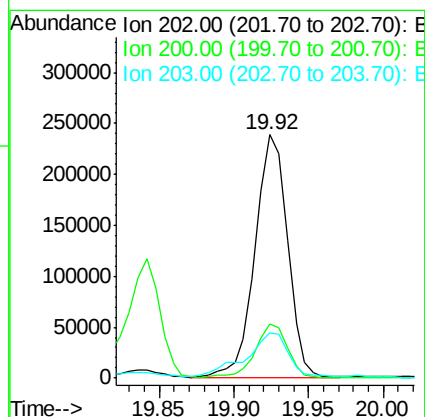
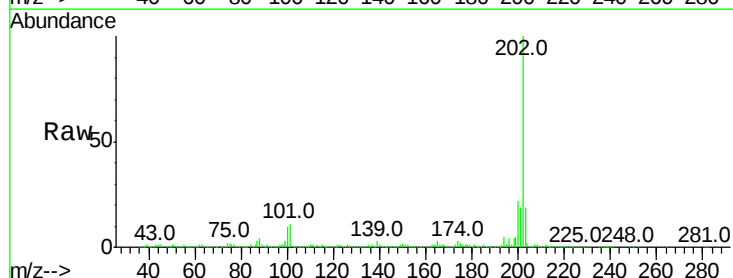
Tgt Ion:202 Resp: 357076

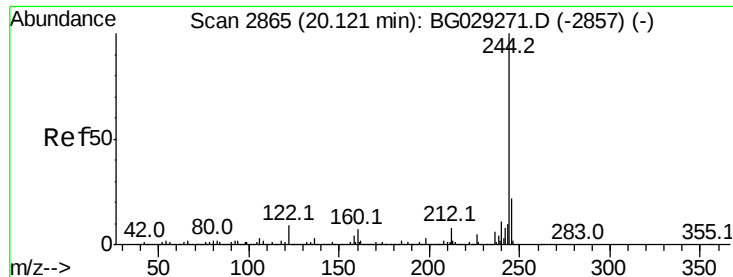
Ion Ratio Lower Upper

202 100

200 22.0 16.9 25.3

203 18.6 13.9 20.9





#78

Terphenyl-d14

Concen: 83.522 ng

RT: 20.12 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG029293.D

Acq: 17 Oct 2017 5:22

Instrument :

BNA_G

ClientSampleId :

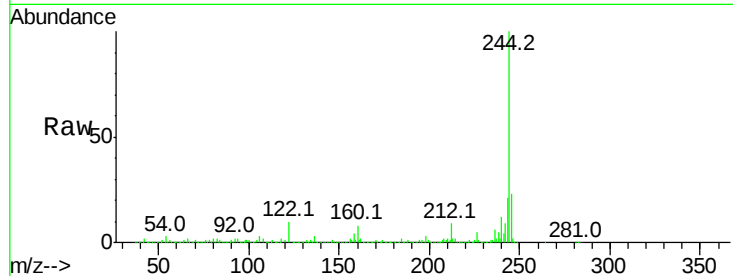
Tot Ion:244 Resp: 1918468

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

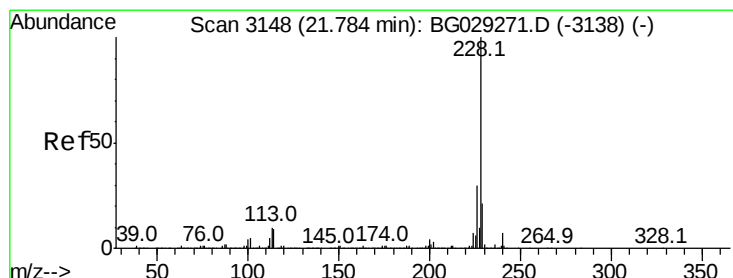
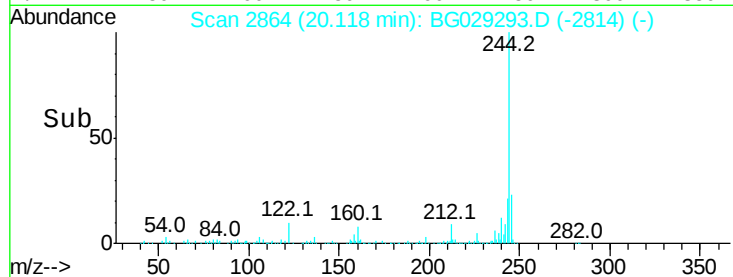
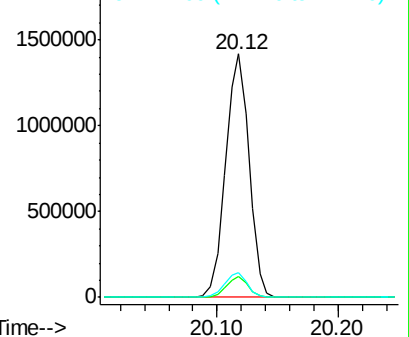
122 10.0 7.0 10.4



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



#80

Benzo(a)anthracene

Concen: 3.428 ng

RT: 21.77 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG029293.D

Acq: 17 Oct 2017 5:22

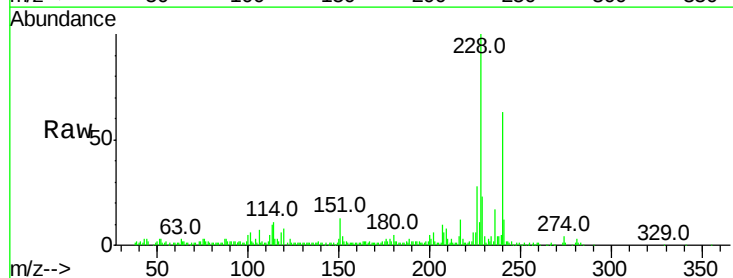
Tgt Ion:228 Resp: 105181

Ion Ratio Lower Upper

228 100

226 28.4 22.7 34.1

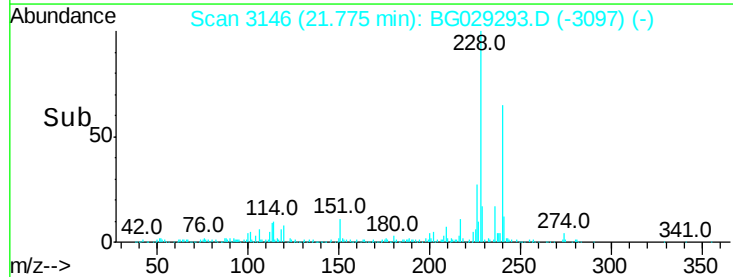
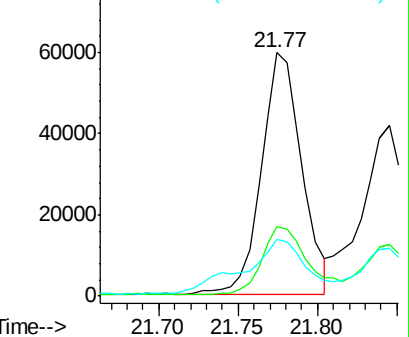
229 23.2 16.2 24.2

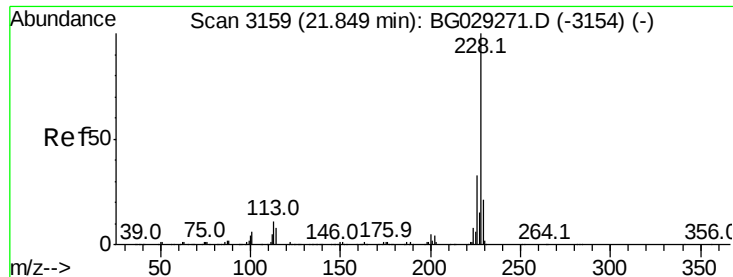


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.615 ng

RT: 21.85 min Scan# 3158

Delta R.T. -0.00 min

Lab File: BG029293.D

Acq: 17 Oct 2017 5:22

Instrument :

BNA_G

ClientSampleId :

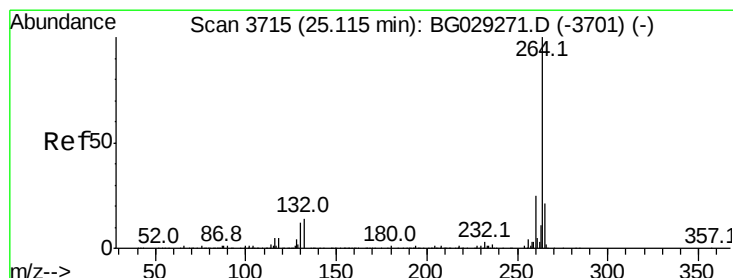
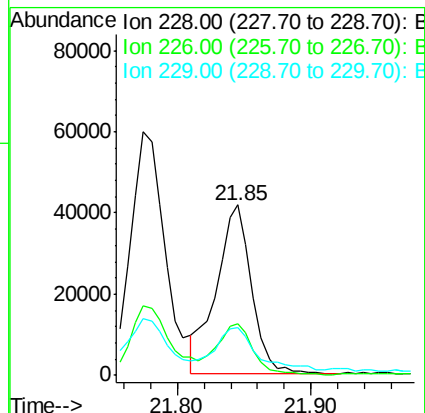
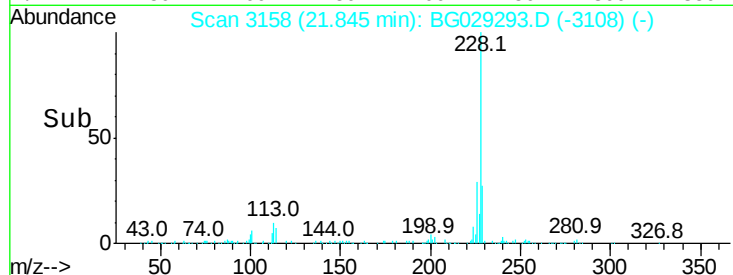
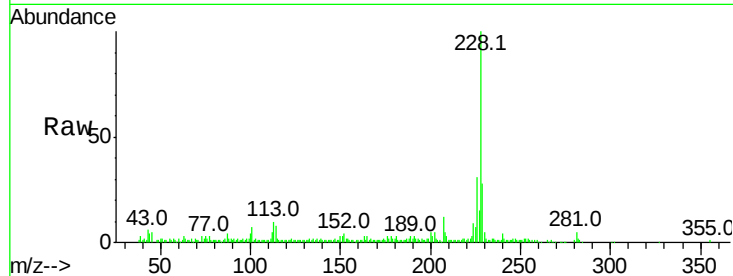
Tot Ion:228 Resp: 76823

Ion Ratio Lower Upper

228 100

226 30.5 24.9 37.3

229 28.0 15.0 22.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.11 min Scan# 3714

Delta R.T. -0.00 min

Lab File: BG029293.D

Acq: 17 Oct 2017 5:22

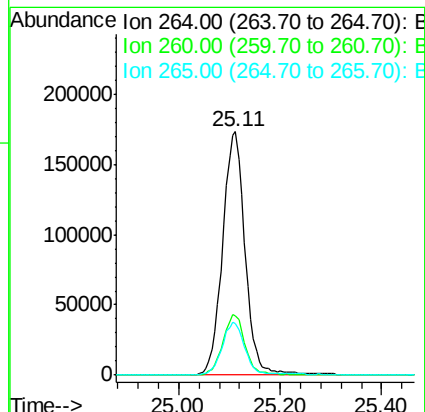
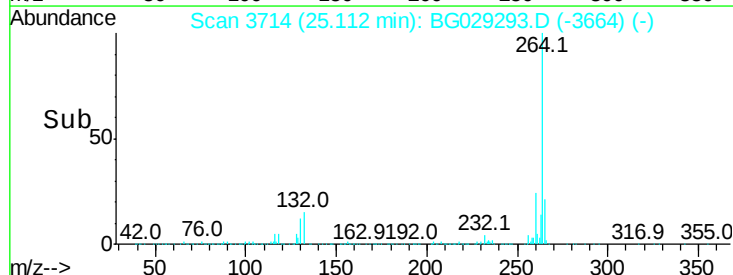
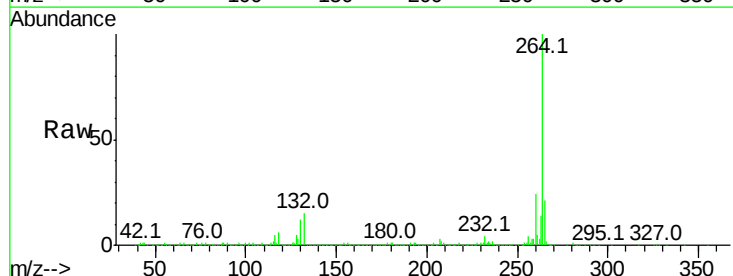
Tgt Ion:264 Resp: 536014

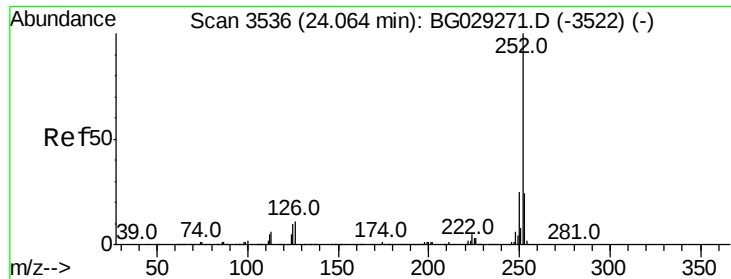
Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 21.1 17.7 26.5





#87

Benzo(b)fluoranthene

Concen: 2.006 ng

RT: 24.05 min Scan# 3534

Delta R.T. -0.01 min

Lab File: BG029293.D

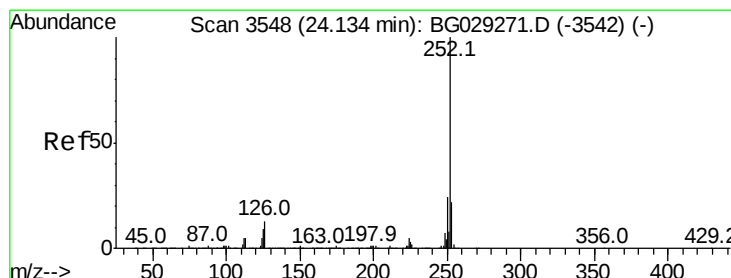
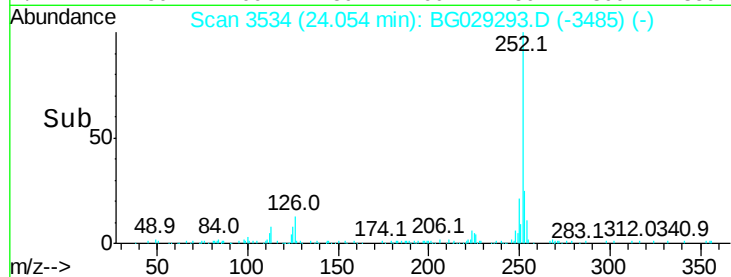
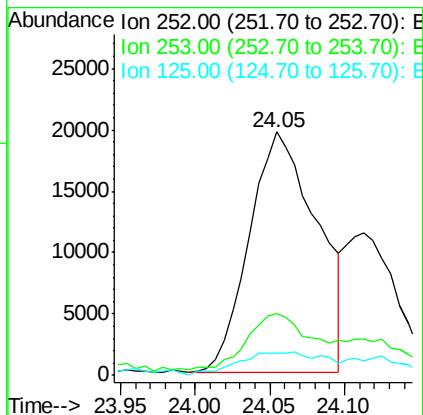
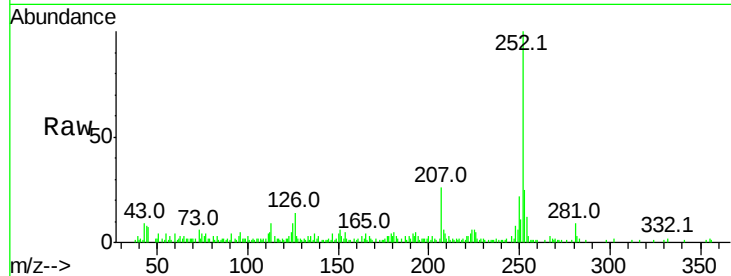
Acq: 17 Oct 2017 5:22

Instrument :

BNA_G

ClientSampled :

Tot Ion:252	Resp:	61565
Ion Ratio	Lower	Upper
252	100	
253	25.4	18.2 27.4
125	9.0	7.2 10.8



#88

Benzo(k)fluoranthene

Concen: 2.014 ng

RT: 24.05 min Scan# 3534

Delta R.T. -0.08 min

Lab File: BG029293.D

Acq: 17 Oct 2017 5:22

Tgt Ion:252	Resp:	61565
Ion Ratio	Lower	Upper
252	100	
253	25.4	17.4 26.2
125	9.0	6.6 9.8

