

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101617\
 Data File : BG029291.D
 Acq On : 17 Oct 2017 4:03
 Operator : SJ/JU
 Sample : I5906-12
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 17 05:30:43 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	74362	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	361241	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	229785	20.00	ng	0.00
63) Phenanthrene-d10	17.52	188	513798	20.00	ng	0.00
75) Chrysene-d12	21.79	240	556545	20.00	ng	0.00
86) Perylene-d12	25.10	264	572479	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	592991	133.22	ng	0.00
7) Phenol-d6	7.32	99	753792	120.64	ng	0.00
23) Nitrobenzene-d5	9.33	82	507601	89.29	ng	0.00
41) 2,4,6-Tribromophenol	16.27	330	347675	117.19	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1300430	83.00	ng	0.00
78) Terphenyl-d14	20.11	244	1882205	76.94	ng	0.00

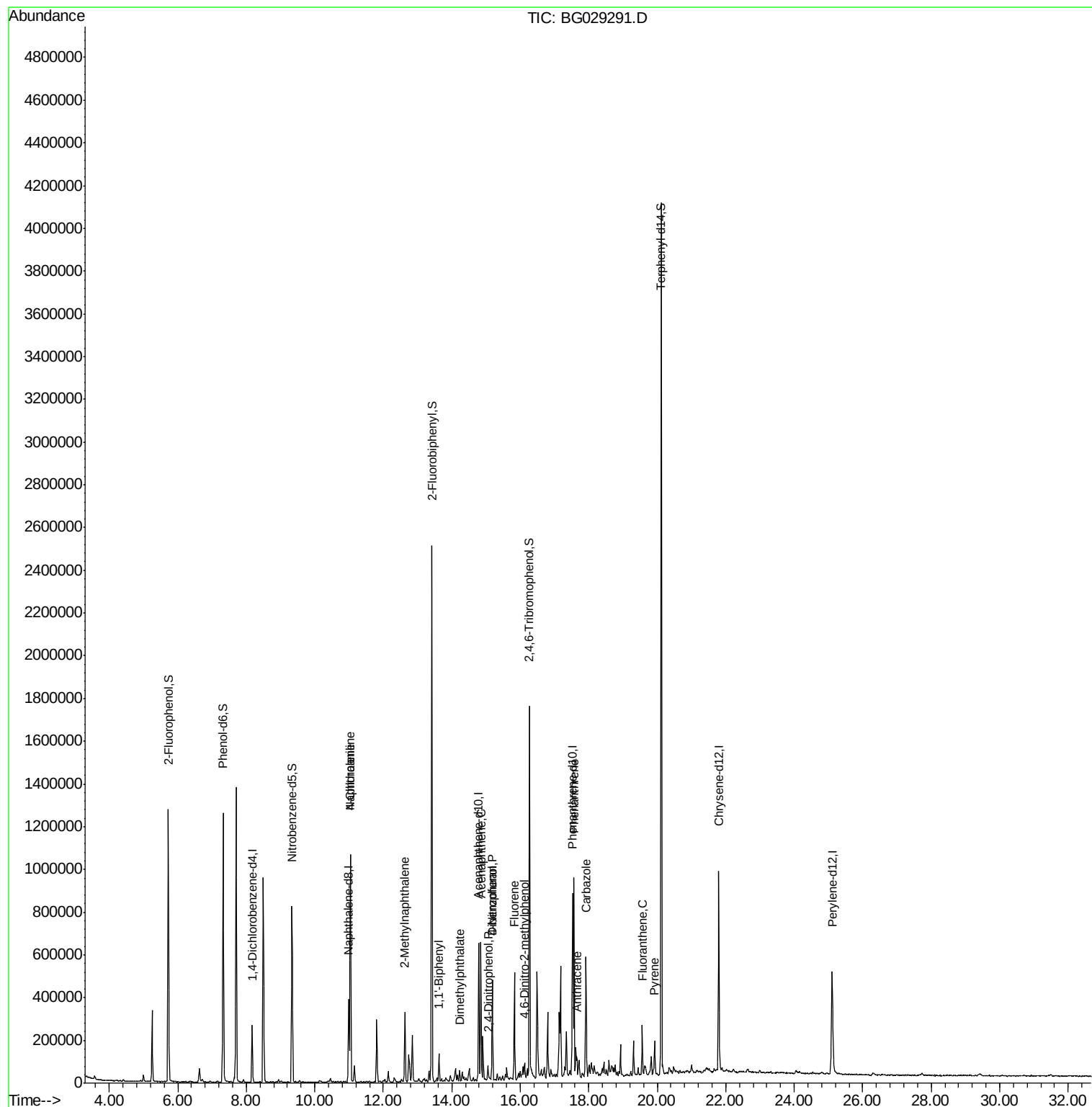
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	11.04	128	934199	51.890	ng	98
33) 4-Chloroaniline	11.04	127	129411	17.088	ng	# 30
37) 2-Methylnaphthalene	12.63	142	155384	11.842	ng	91
45) 1,1'-Biphenyl	13.62	154	53087	2.688	ng	97
49) Dimethylphthalate	14.23	163	36725	2.048	ng	# 98
51) Acenaphthene	14.85	154	241110	16.436	ng	99
53) 2,4-Dinitrophenol	15.08	184	129	6.688	ng	# 1
54) Dibenzofuran	15.18	168	296173	14.142	ng	99
55) 4-Nitrophenol	15.18	139	104485	31.250	ng	# 1
57) Fluorene	15.83	166	232441	13.436	ng	96
64) 4,6-Dinitro-2-methylphenol	16.13	198	2270	5.696	ng	# 1
70) Phenanthrene	17.56	178	591176	22.272	ng	98
71) Anthracene	17.65	178	62532	2.346	ng	95
72) Carbazole	17.92	167	369600	14.436	ng	99
74) Fluoranthene	19.56	202	142896	4.603	ng	99
77) Pyrene	19.92	202	97793	2.897	ng	98

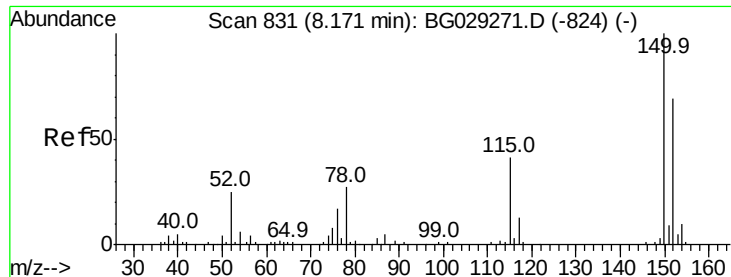
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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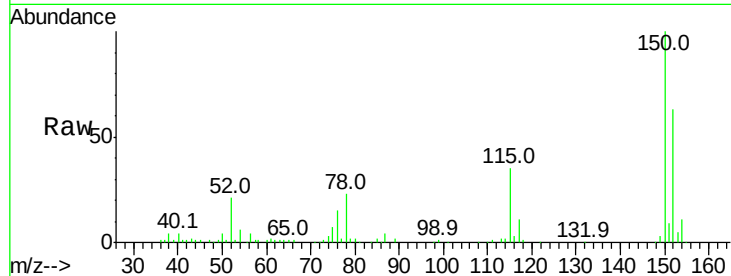


#1

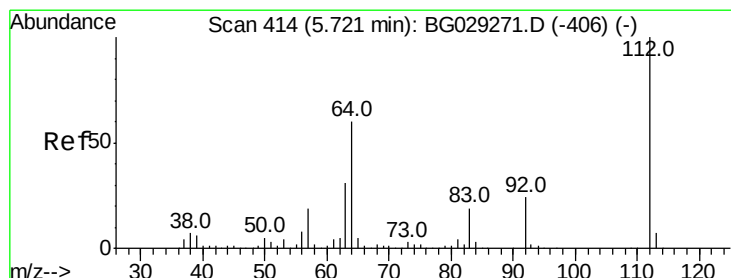
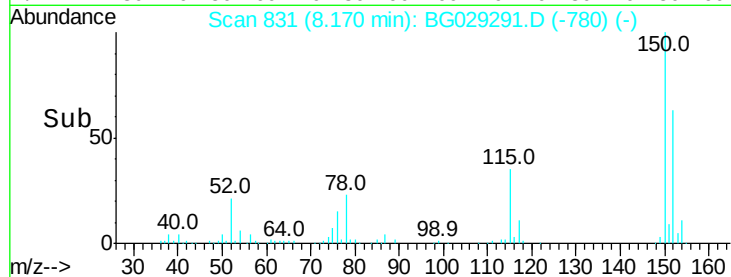
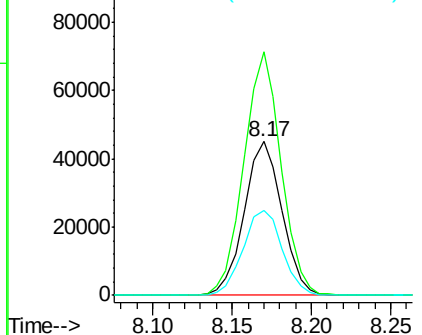
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 831
Delta R.T. -0.00 min
Lab File: BG029291.D
Acq: 17 Oct 2017 4:03

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 74362
Ion Ratio Lower Upper
152 100
150 158.5 126.6 189.8
115 55.6 53.0 79.4



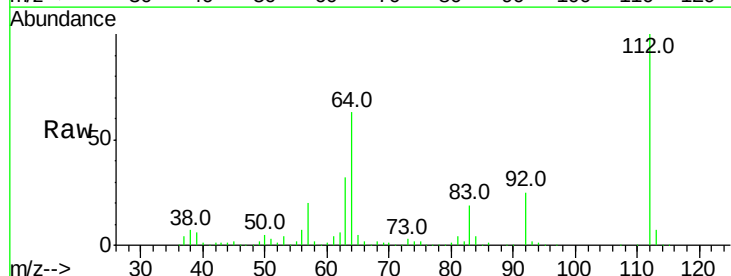
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



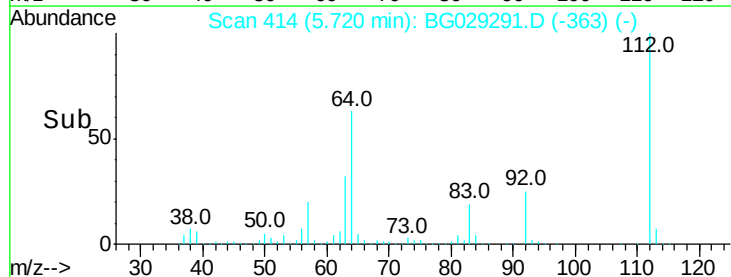
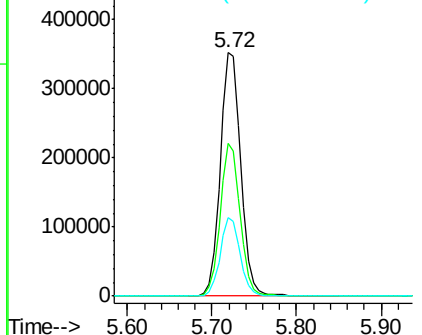
#5

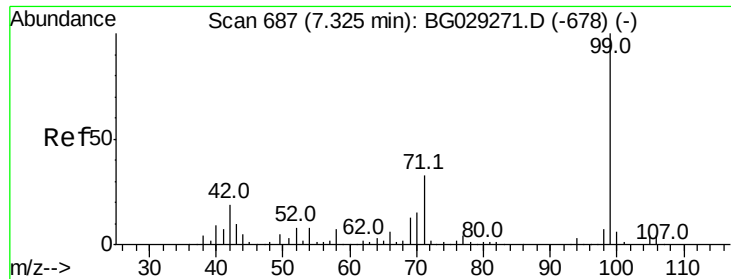
2-Fluorophenol
Concen: 133.216 ng
RT: 5.72 min Scan# 414
Delta R.T. -0.00 min
Lab File: BG029291.D
Acq: 17 Oct 2017 4:03

Tgt Ion:112 Resp: 592991
Ion Ratio Lower Upper
112 100
64 62.8 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: 120.642 ng

RT: 7.32 min Scan# 687

Delta R.T. -0.00 min

Lab File: BG029291.D

Acq: 17 Oct 2017 4:03

Instrument :

BNA_G

ClientSampleId :

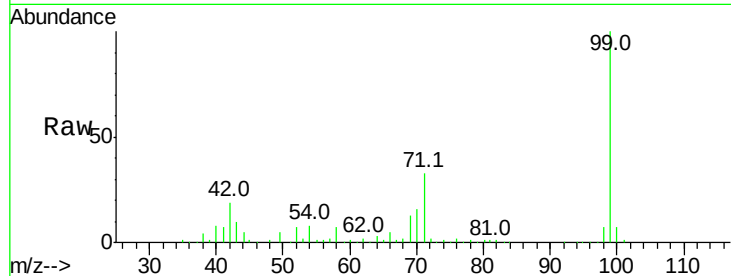
Tot Ion: 99 Resp: 753792

Ion Ratio Lower Upper

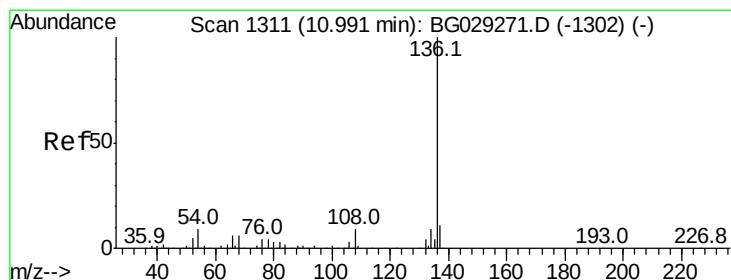
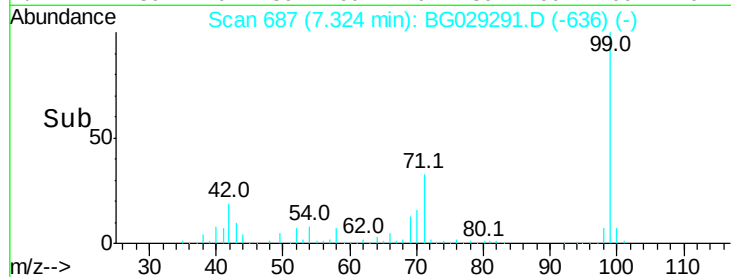
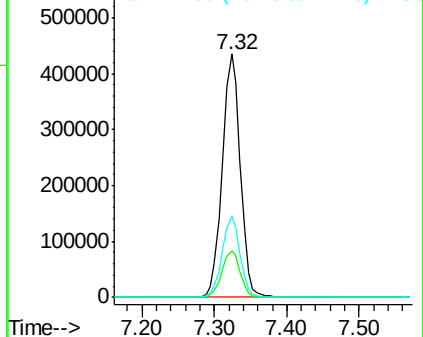
99 100

42 19.3 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.99 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BG029291.D

Acq: 17 Oct 2017 4:03

Tgt Ion: 136 Resp: 361241

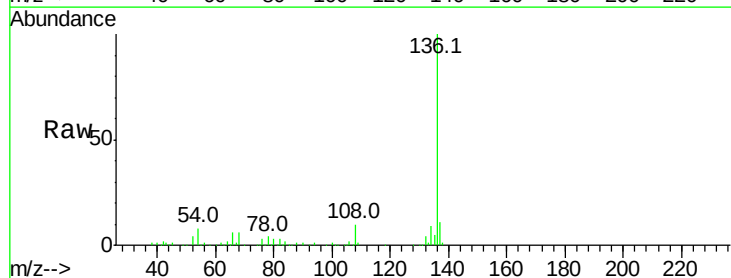
Ion Ratio Lower Upper

136 100

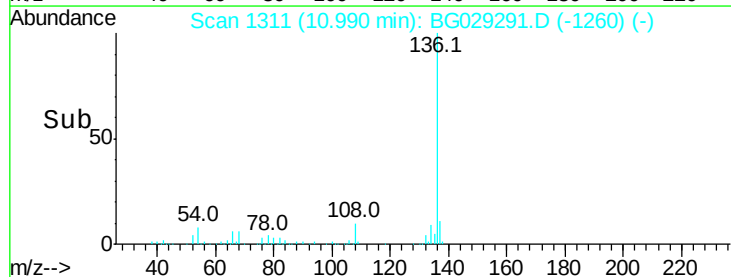
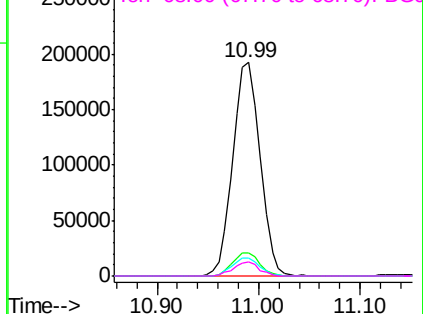
137 10.7 9.2 13.8

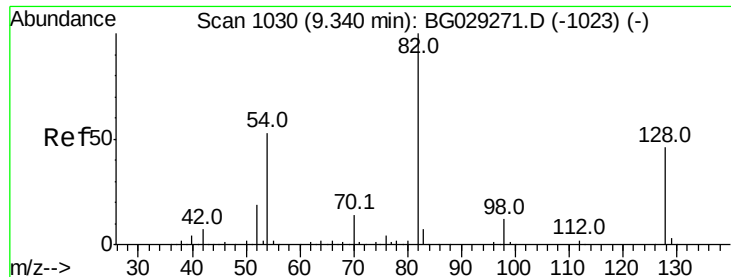
54 8.2 10.3 15.5#

68 6.4 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

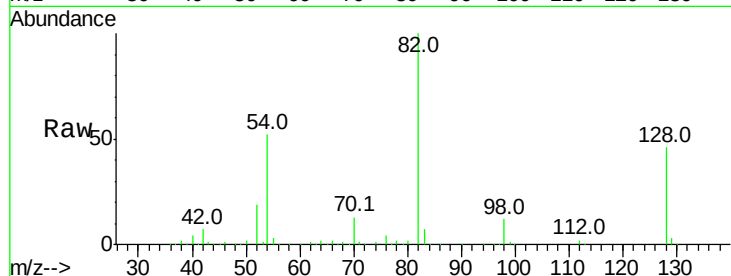




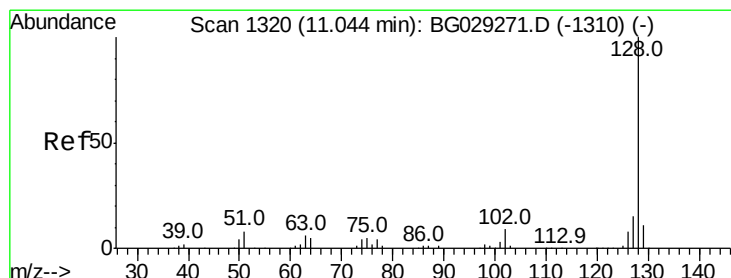
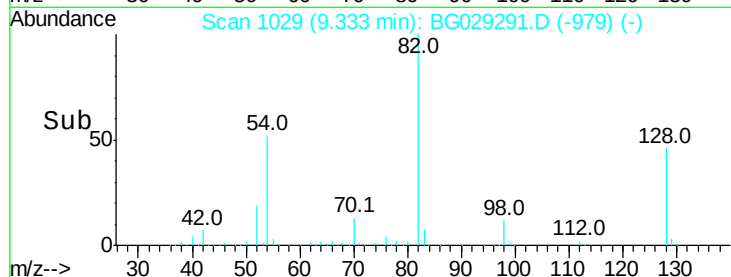
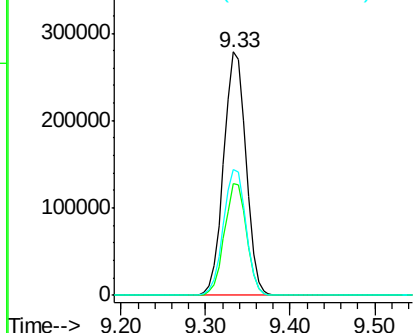
#23
Nitrobenzene-d5
Concen: 89.294 ng
RT: 9.33 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BG029291.D
Acq: 17 Oct 2017 4:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 507601
Ion Ratio Lower Upper
82 100
128 45.9 29.7 44.5#
54 51.8 43.1 64.7

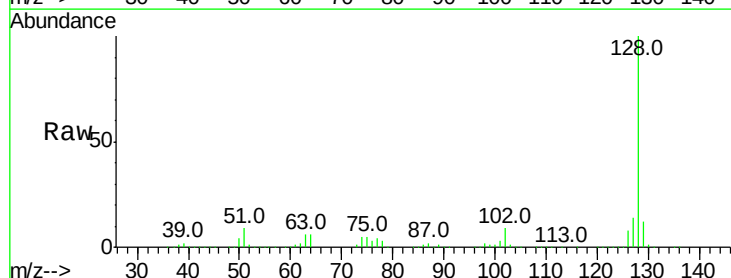


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

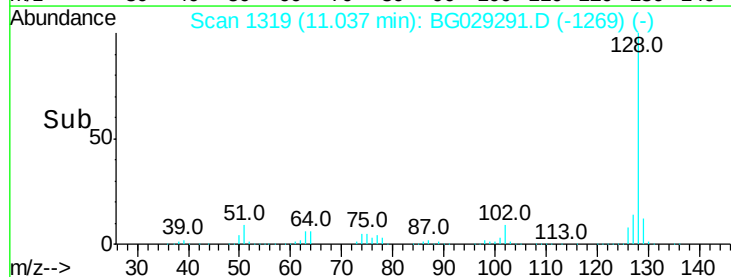
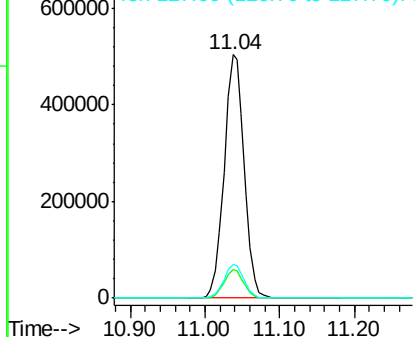


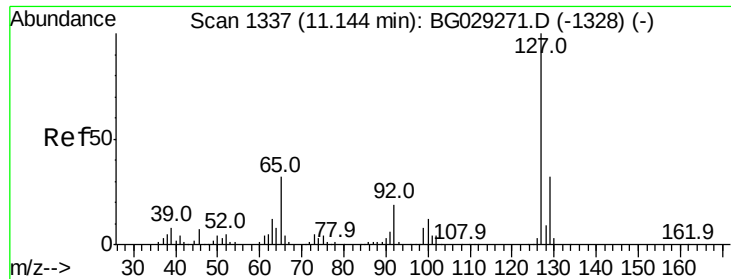
#31
Naphthalene
Concen: 51.890 ng
RT: 11.04 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BG029291.D
Acq: 17 Oct 2017 4:03

Tgt Ion: 128 Resp: 934199
Ion Ratio Lower Upper
128 100
129 11.6 8.6 12.8
127 13.8 11.6 17.4



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

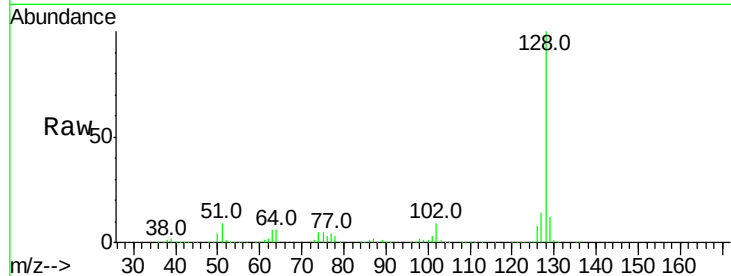




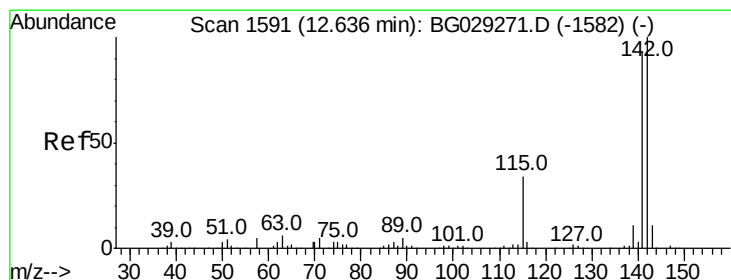
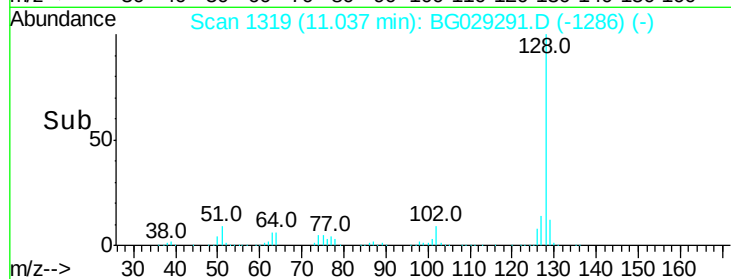
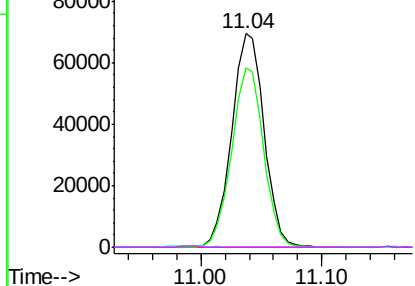
#33
 4-Chloroaniline
 Concen: 17.088 ng
 RT: 11.04 min Scan# 1319
 Delta R.T. -0.11 min
 Lab File: BG029291.D
 Acq: 17 Oct 2017 4:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	127	Resp:	129411
Ion	Ratio	Lower	Upper
127	100		
129	84.1	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#

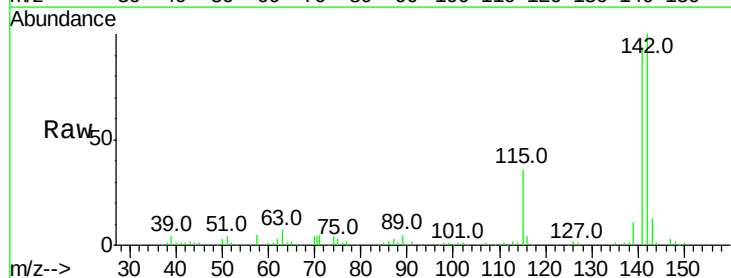


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BG
 Ion 92.00 (91.70 to 92.70): BG

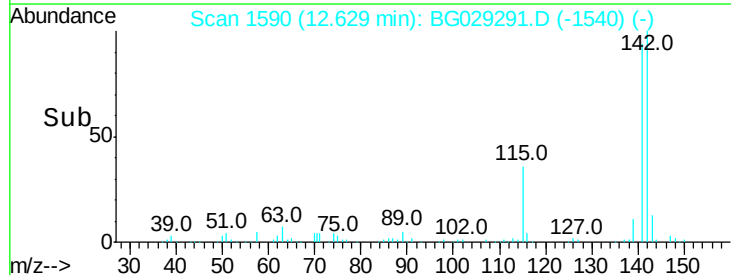
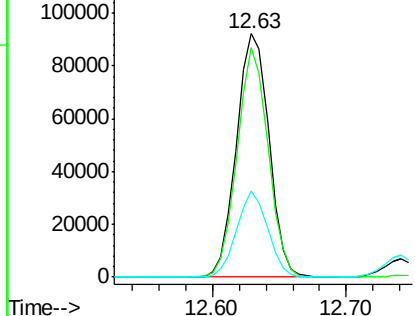


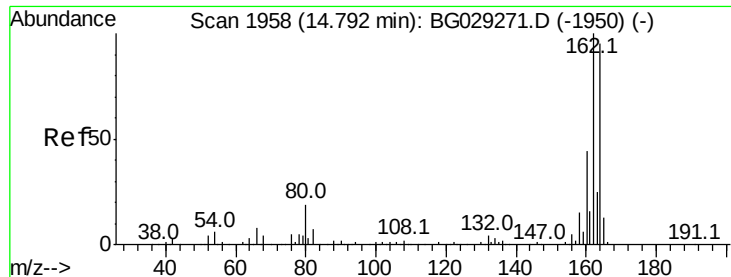
#37
 2-Methylnaphthalene
 Concen: 11.842 ng
 RT: 12.63 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BG029291.D
 Acq: 17 Oct 2017 4:03

Tgt Ion:	142	Resp:	155384
Ion	Ratio	Lower	Upper
142	100		
141	94.0	67.1	100.7
115	35.6	30.7	46.1



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BG029291.D

Acq: 17 Oct 2017 4:03

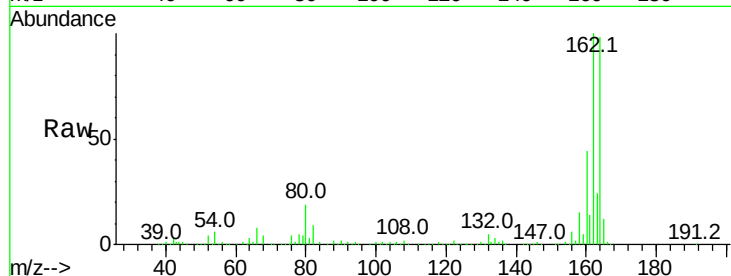
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 229785

Ion	Ratio	Lower	Upper
164	100		
162	101.6	78.8	118.2
160	44.6	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

200000

150000

100000

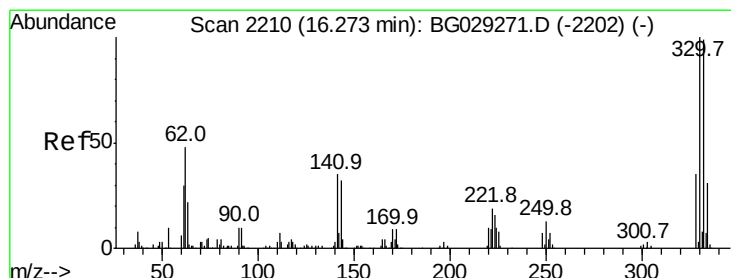
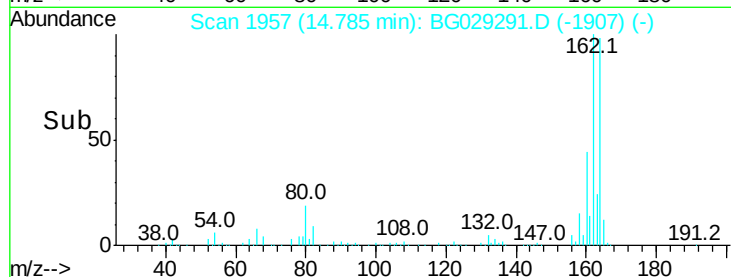
50000

0

14.79

14.80

Time-->



#41

2,4,6-Tribromophenol

Concen: 117.190 ng

RT: 16.27 min Scan# 2210

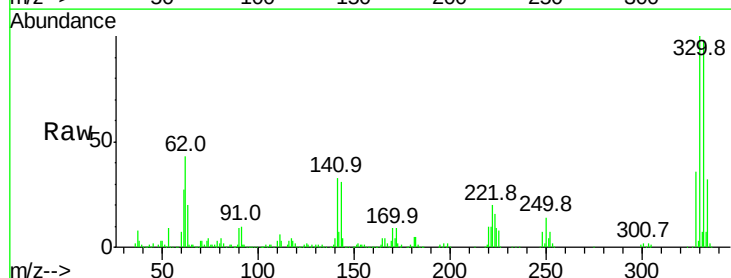
Delta R.T. -0.00 min

Lab File: BG029291.D

Acq: 17 Oct 2017 4:03

Tgt Ion:330 Resp: 347675

Ion	Ratio	Lower	Upper
330	100		
332	99.2	77.0	115.6
141	33.9	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

250000

200000

150000

100000

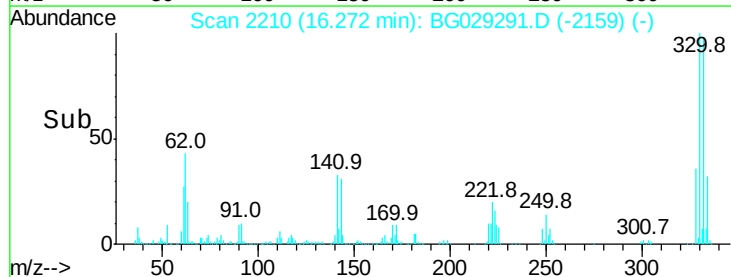
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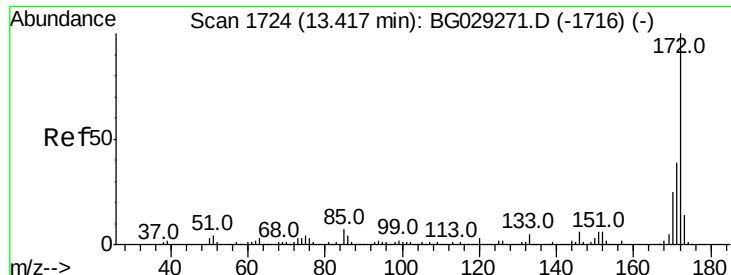
0

16.27

16.30

Time-->



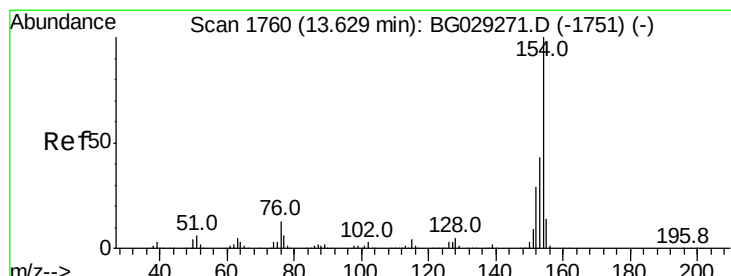
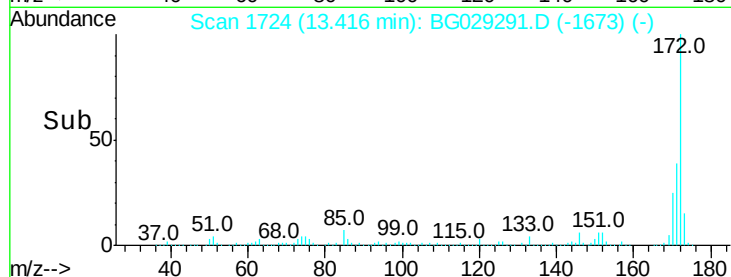
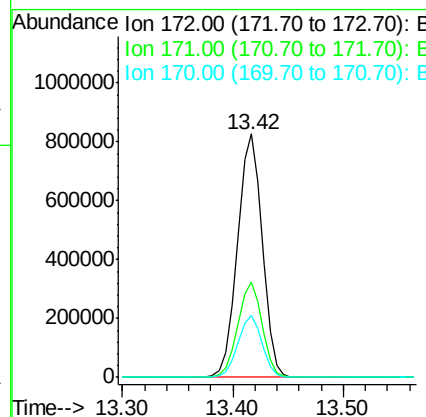
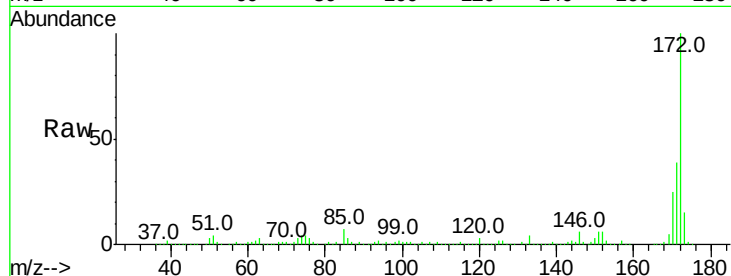


#44
 2-Fluorobiphenyl
 Concen: 83.003 ng
 RT: 13.42 min Scan# 1724
 Delta R.T. -0.00 min
 Lab File: BG029291.D
 Acq: 17 Oct 2017 4:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1300430

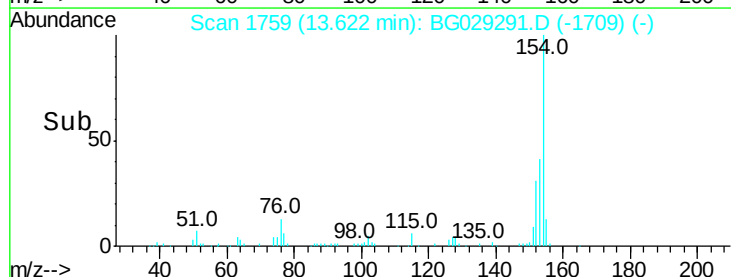
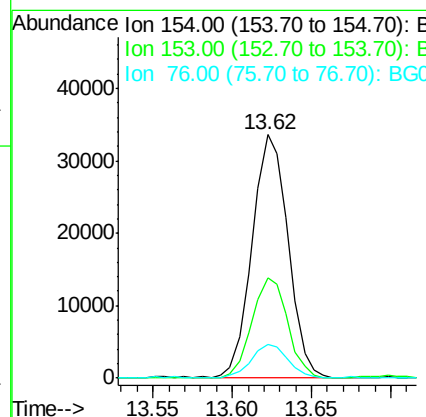
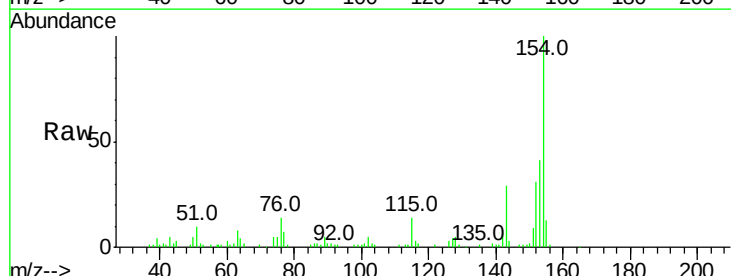
Ion	Ratio	Lower	Upper
172	100		
171	39.3	30.0	45.0
170	25.5	19.5	29.3

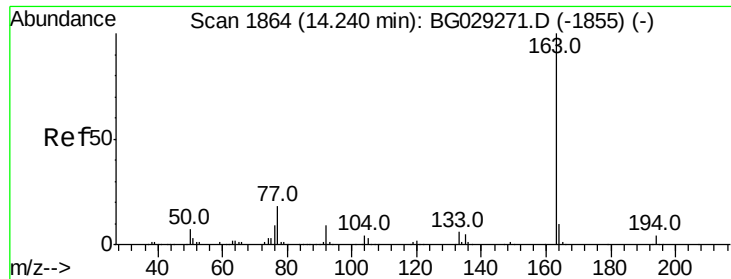


#45
 1,1'-Biphenyl
 Concen: 2.688 ng
 RT: 13.62 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG029291.D
 Acq: 17 Oct 2017 4:03

Tgt Ion:154 Resp: 53087

Ion	Ratio	Lower	Upper
154	100		
153	41.4	19.8	59.8
76	13.8	0.0	31.9





#49

Dimethylphthalate

Concen: 2.048 ng

RT: 14.23 min Scan# 1862

Delta R.T. -0.01 min

Lab File: BG029291.D

Acq: 17 Oct 2017 4:03

Instrument :

BNA_G

ClientSampleId :

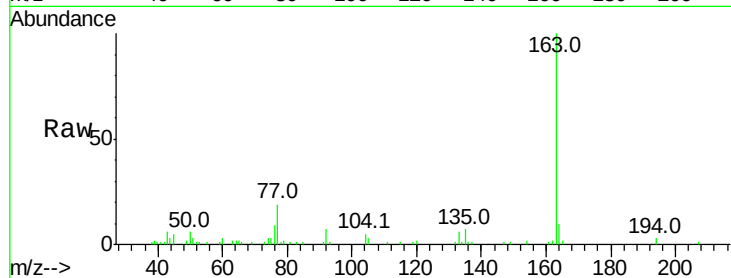
Tot Ion:163 Resp: 36725

Ion Ratio Lower Upper

163 100

194 3.3 3.4 5.2#

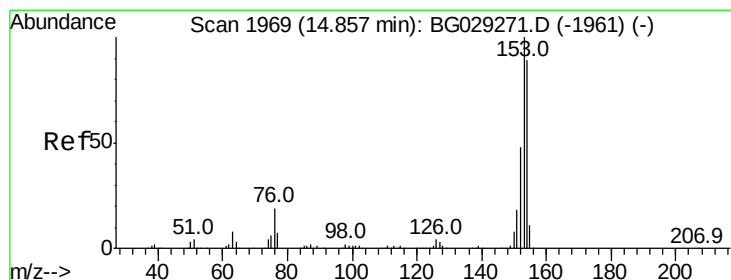
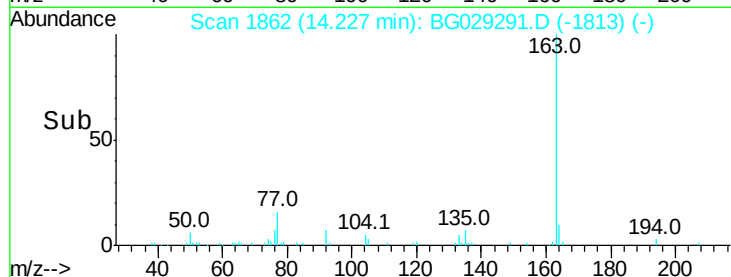
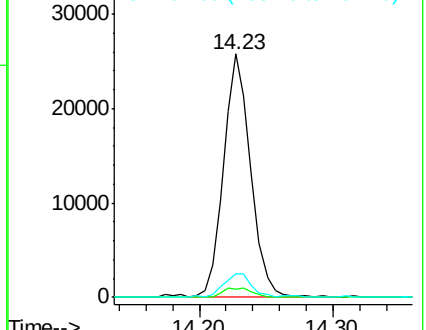
164 9.5 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 16.436 ng

RT: 14.85 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BG029291.D

Acq: 17 Oct 2017 4:03

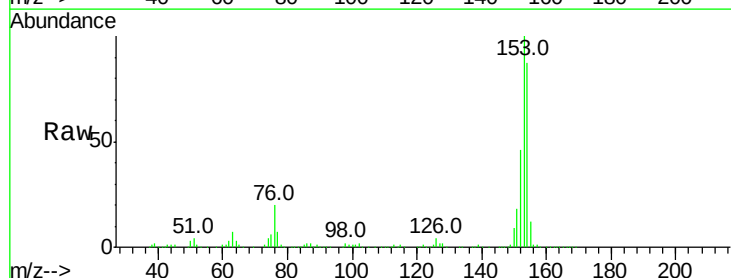
Tgt Ion:154 Resp: 241110

Ion Ratio Lower Upper

154 100

153 114.8 90.4 135.6

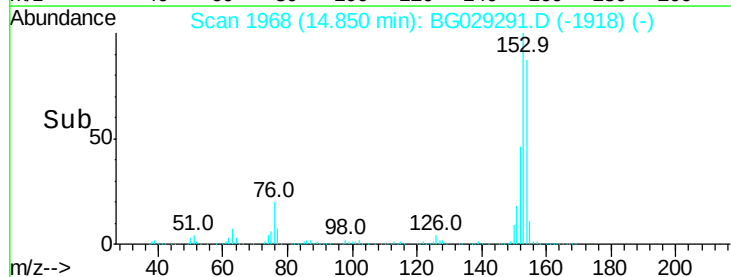
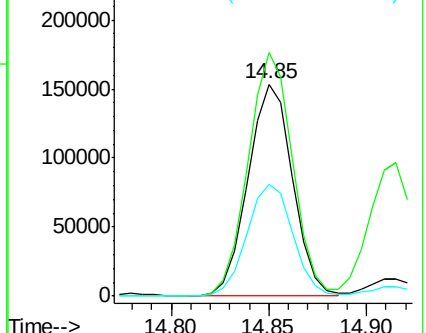
152 52.8 41.6 62.4

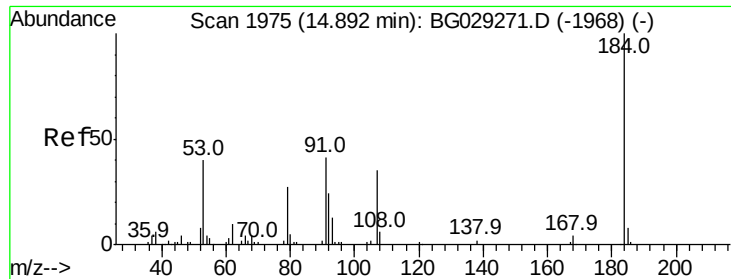


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

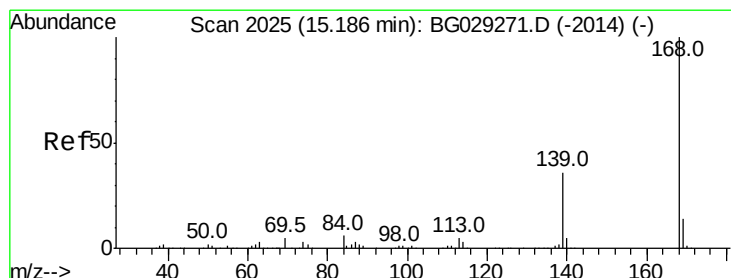
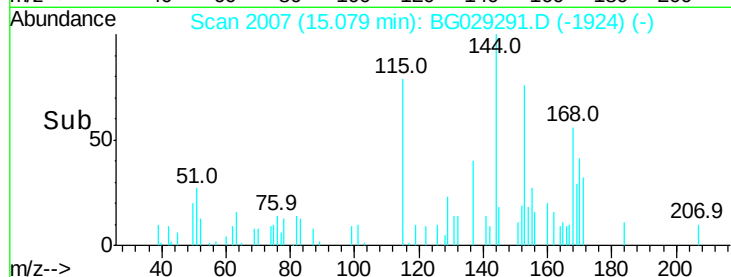
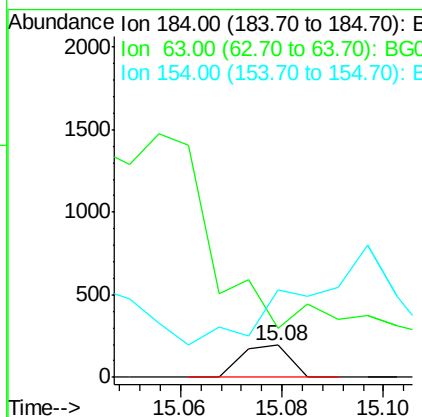
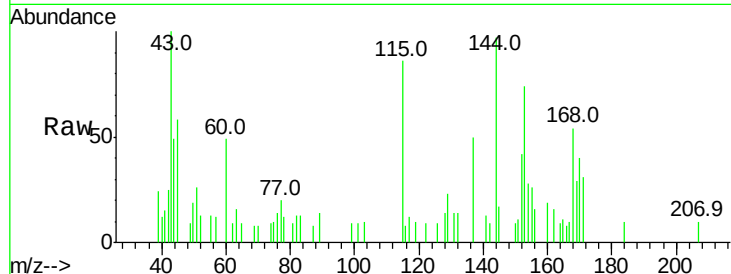




#53
2,4-Dinitrophenol
Concen: 6.688 ng
RT: 15.08 min Scan# 2007
Delta R.T. 0.19 min
Lab File: BG029291.D
Acq: 17 Oct 2017 4:03

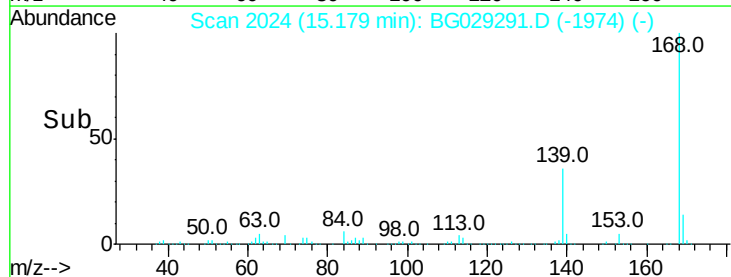
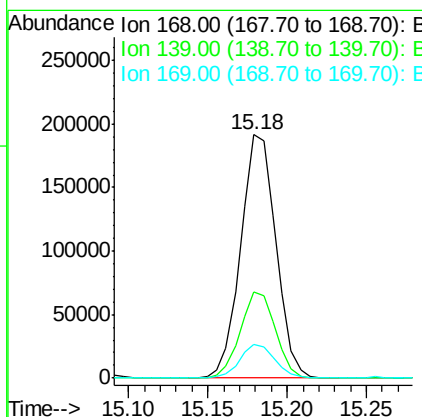
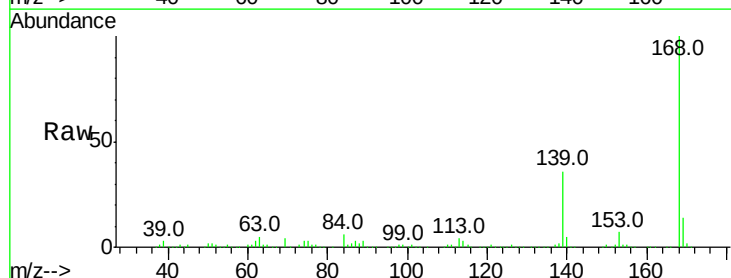
Instrument :
BNA_G
ClientSampleId :

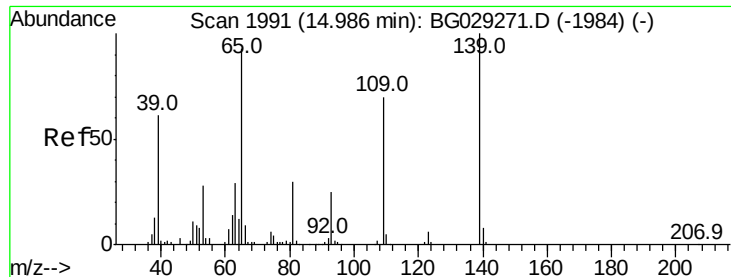
Tot Ion:184 Resp: 129
Ion Ratio Lower Upper
184 100
63 153.9 59.8 89.8#
154 275.1 101.8 152.8#



#54
Dibenzofuran
Concen: 14.142 ng
RT: 15.18 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BG029291.D
Acq: 17 Oct 2017 4:03

Tgt Ion:168 Resp: 296173
Ion Ratio Lower Upper
168 100
139 35.5 28.6 43.0
169 13.7 11.2 16.8

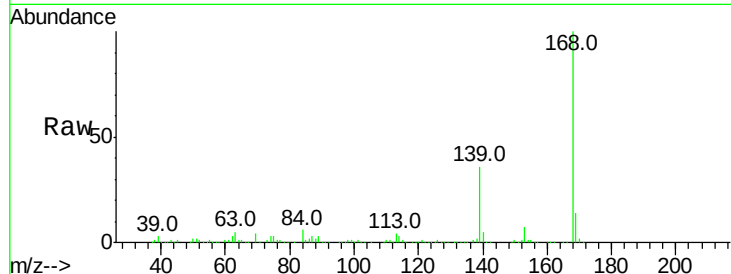




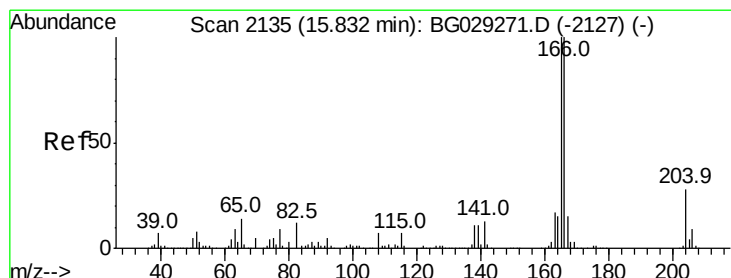
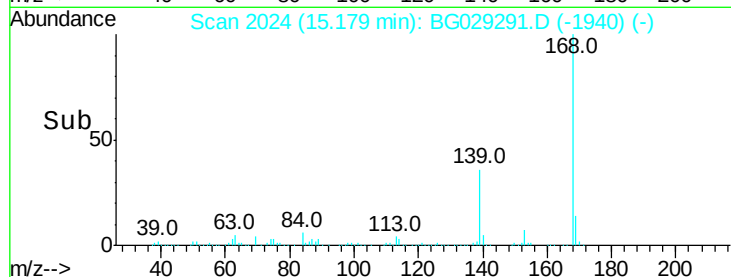
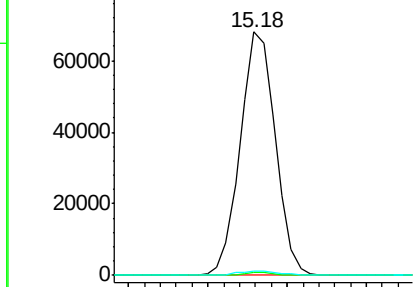
#55
4-Nitrophenol
Concen: 31.250 ng
RT: 15.18 min Scan# 2024
Delta R.T. 0.19 min
Lab File: BG029291.D
Acq: 17 Oct 2017 4:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	1.1	62.2	102.2#
65	1.9	97.2	137.2#

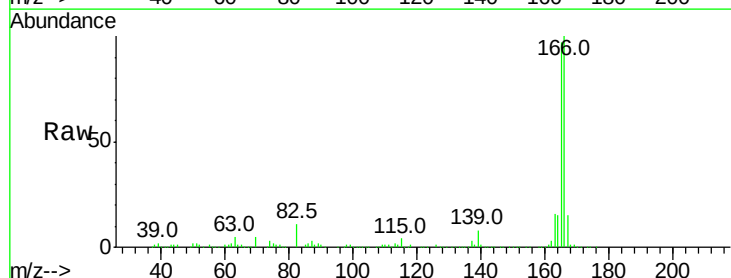


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

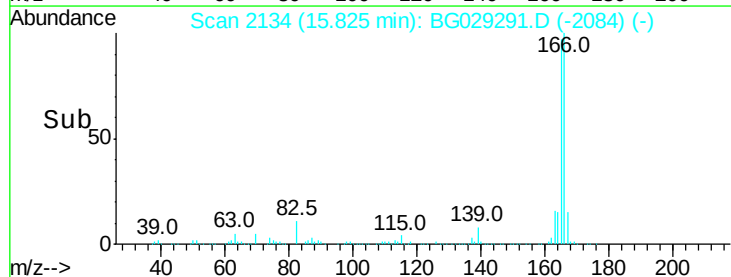
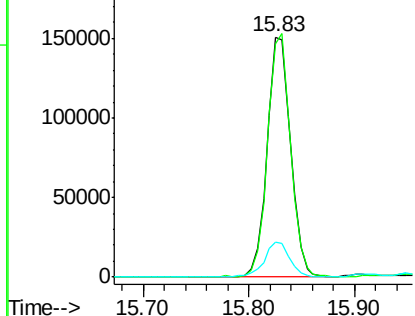


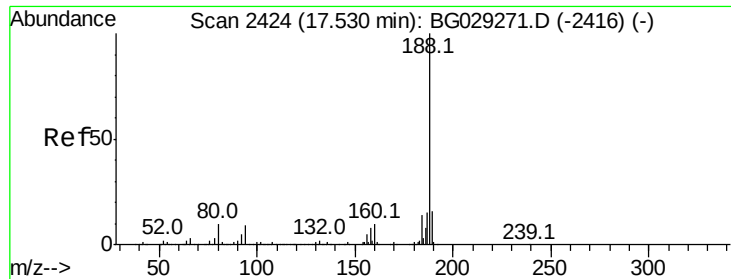
#57
Fluorene
Concen: 13.436 ng
RT: 15.83 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BG029291.D
Acq: 17 Oct 2017 4:03

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.3	80.6	121.0
167	14.6	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

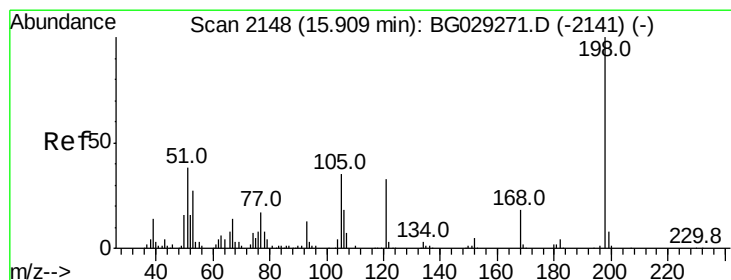
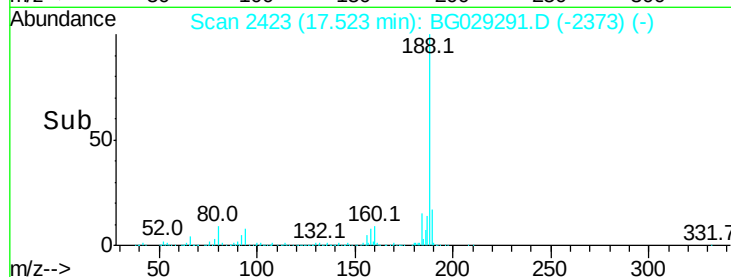
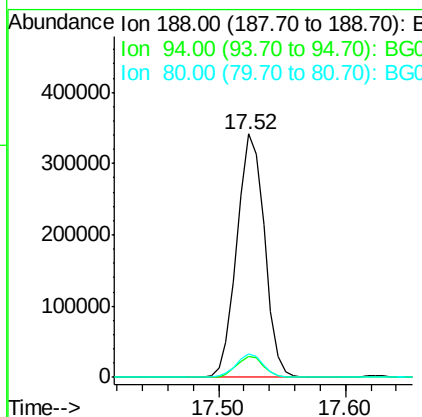
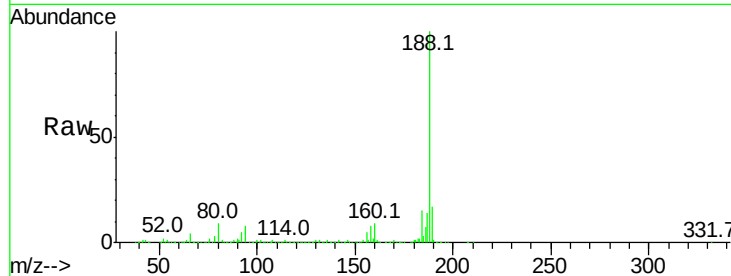




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG029291.D
 Acq: 17 Oct 2017 4:03

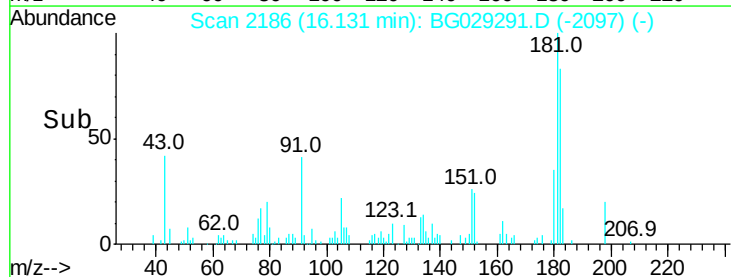
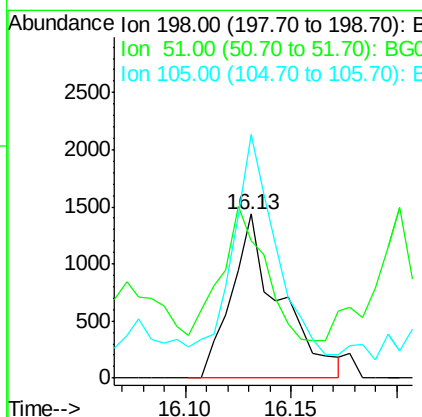
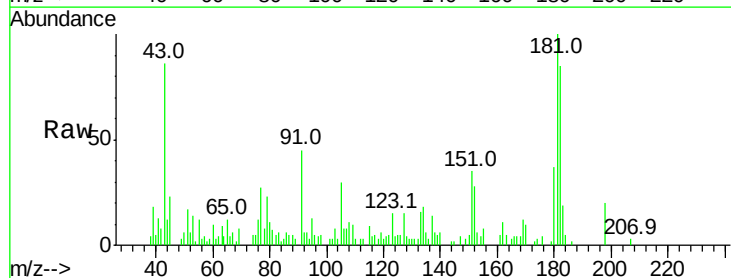
Instrument :
 BNA_G
 ClientSampleId :

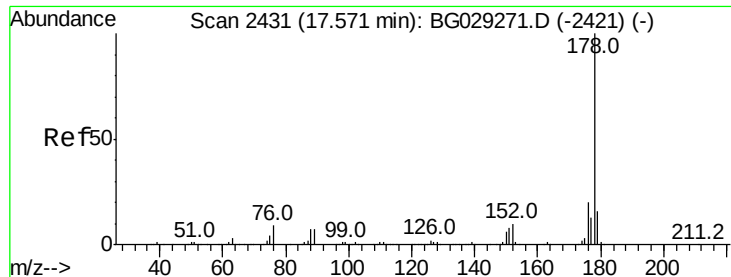
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.9	10.3
80	9.4	7.7	11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.696 ng
 RT: 16.13 min Scan# 2186
 Delta R.T. 0.22 min
 Lab File: BG029291.D
 Acq: 17 Oct 2017 4:03

Tgt Ion	Ratio	Lower	Upper
198	100		
51	84.2	30.6	70.6#
105	148.7	23.8	63.8#





#70

Phenanthrene

Concen: 22.272 ng

RT: 17.56 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BG029291.D

Acq: 17 Oct 2017 4:03

Instrument :

BNA_G

ClientSampled :

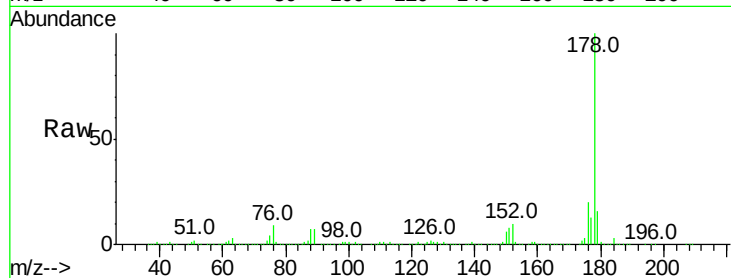
Tot Ion:178 Resp: 591176

Ion Ratio Lower Upper

178 100

176 20.4 15.7 23.5

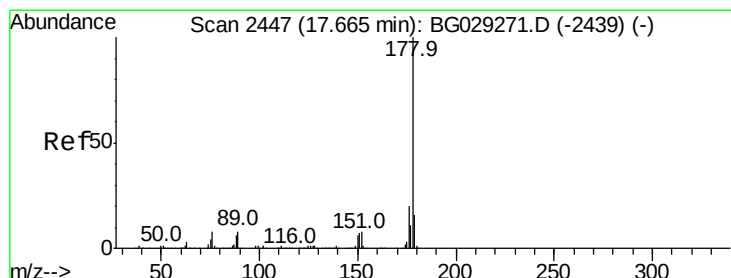
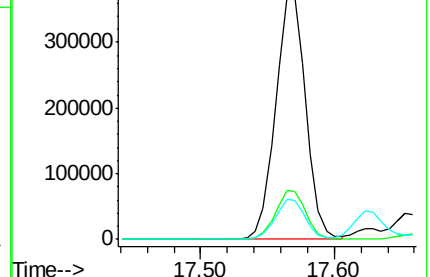
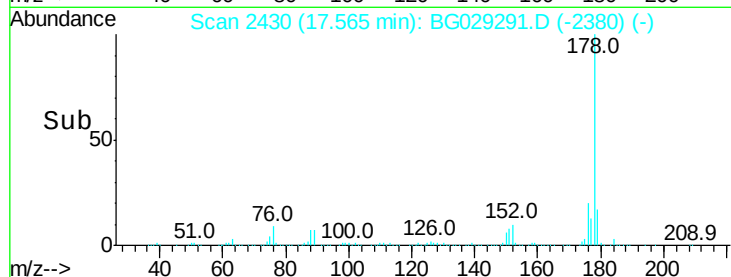
179 16.5 12.5 18.7



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: 2.346 ng

RT: 17.65 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BG029291.D

Acq: 17 Oct 2017 4:03

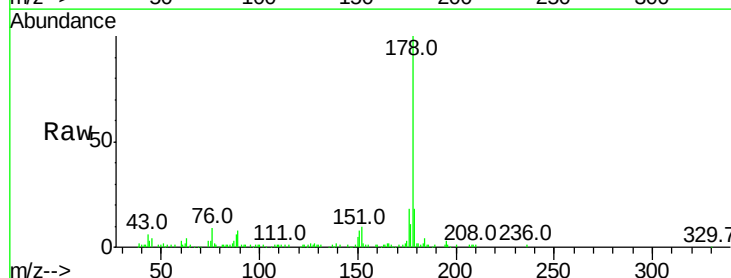
Tgt Ion:178 Resp: 62532

Ion Ratio Lower Upper

178 100

176 18.2 16.0 24.0

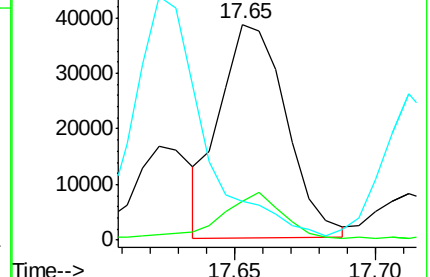
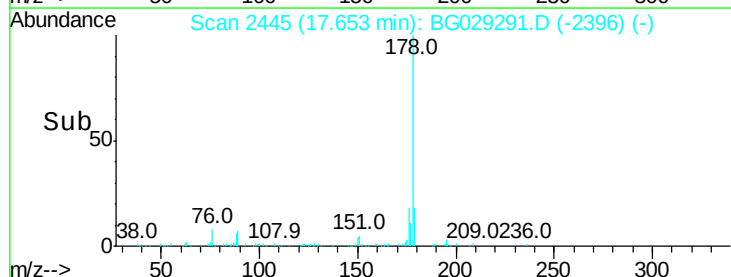
179 18.2 12.5 18.7

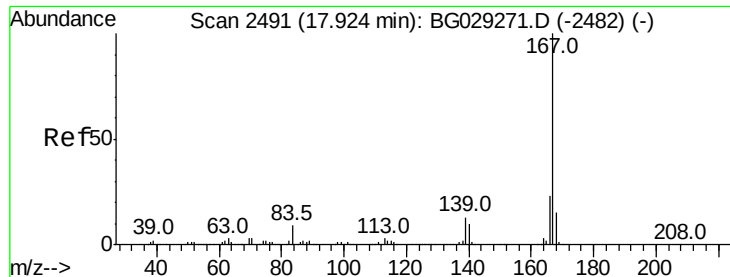


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 14.436 ng

RT: 17.92 min Scan# 2491

Delta R.T. -0.00 min

Lab File: BG029291.D

Acq: 17 Oct 2017 4:03

Instrument :

BNA_G

ClientSampleId :

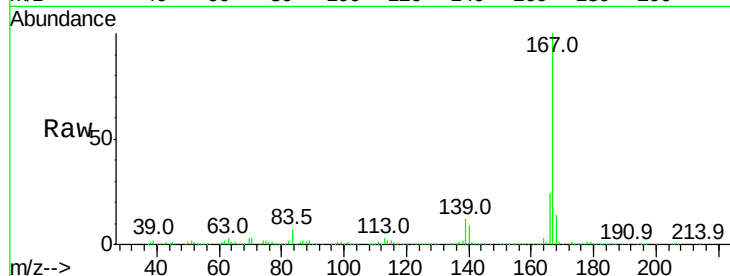
Tot Ion:167 Resp: 369600

Ion Ratio Lower Upper

167 100

166 23.6 18.2 27.4

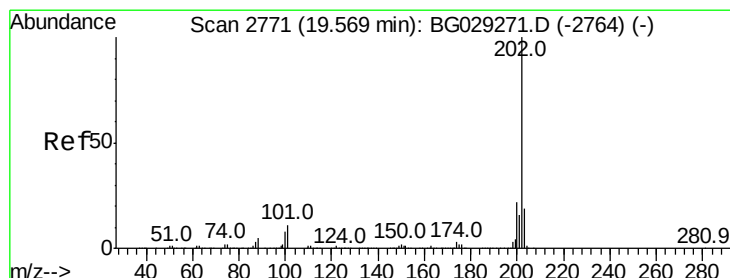
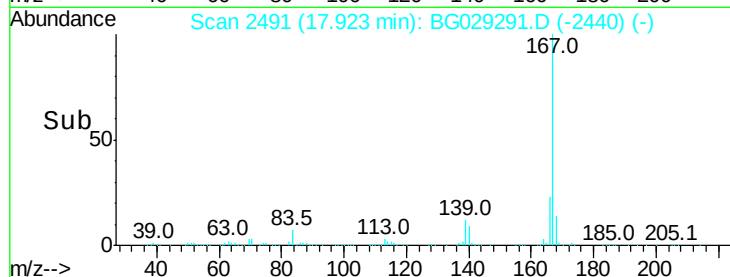
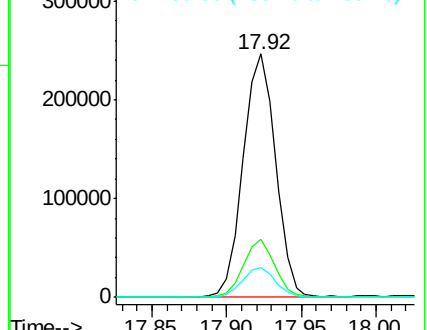
139 12.2 9.4 14.2



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: 4.603 ng

RT: 19.56 min Scan# 2770

Delta R.T. -0.01 min

Lab File: BG029291.D

Acq: 17 Oct 2017 4:03

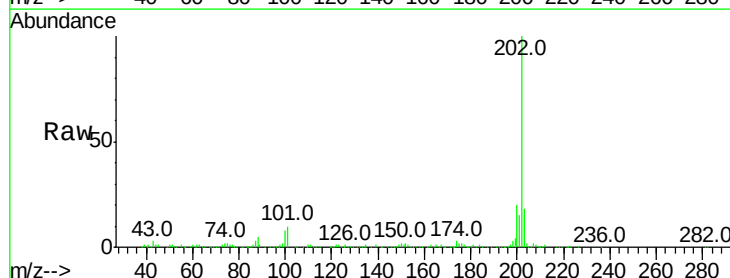
Tgt Ion:202 Resp: 142896

Ion Ratio Lower Upper

202 100

101 9.7 0.0 28.9

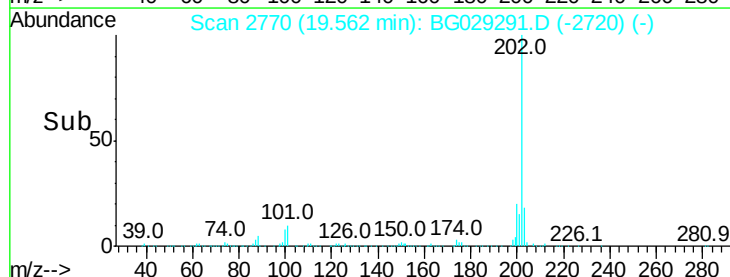
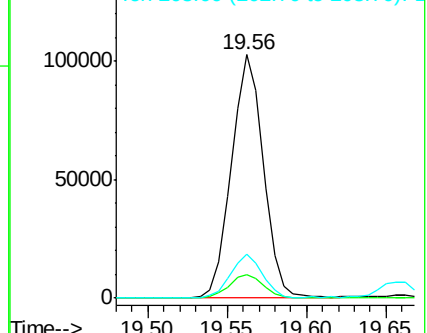
203 18.0 0.0 37.5

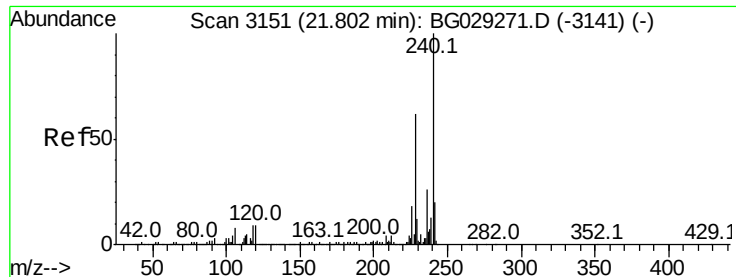


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.79 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG029291.D

Acq: 17 Oct 2017 4:03

Instrument :

BNA_G

ClientSampleId :

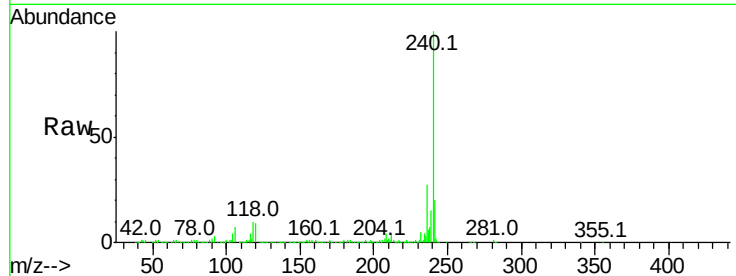
Tot Ion:240 Resp: 556545

Ion Ratio Lower Upper

240 100

120 9.3 6.8 10.2

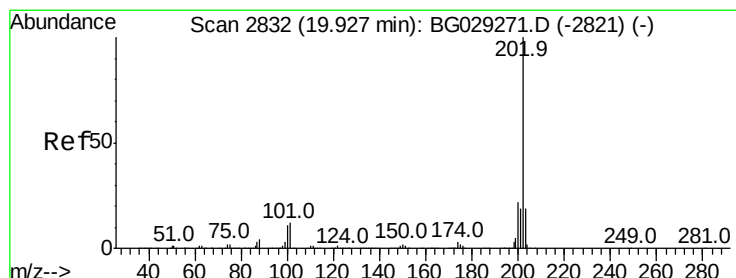
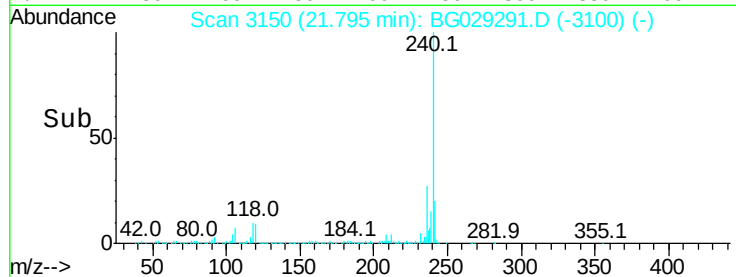
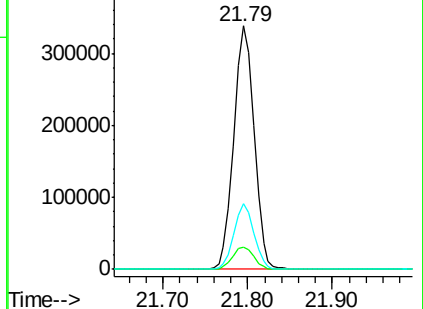
236 26.9 20.9 31.3



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



#77

Pyrene

Concen: 2.897 ng

RT: 19.92 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BG029291.D

Acq: 17 Oct 2017 4:03

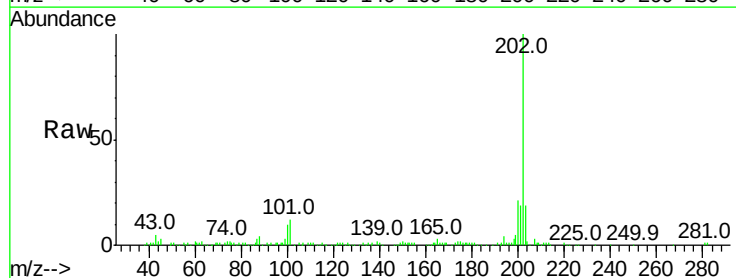
Tgt Ion:202 Resp: 97793

Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

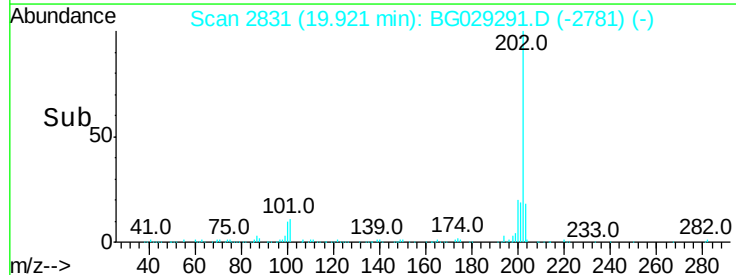
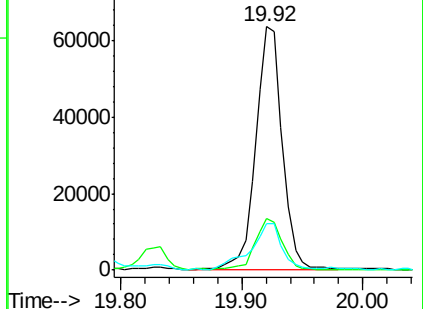
203 19.0 13.9 20.9

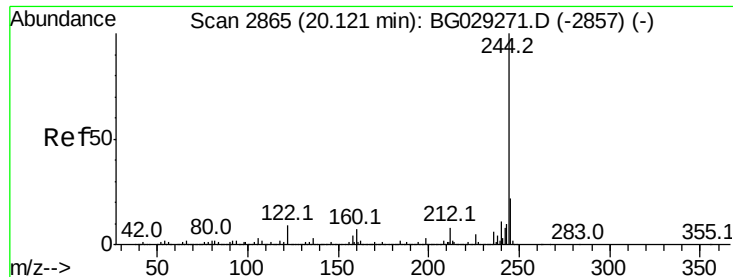


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 76.937 ng

RT: 20.11 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BG029291.D

Acq: 17 Oct 2017 4:03

Instrument :

BNA_G

ClientSampleId :

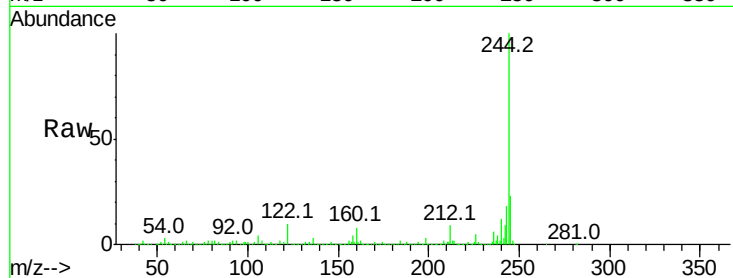
Tot Ion:244 Resp: 1882205

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

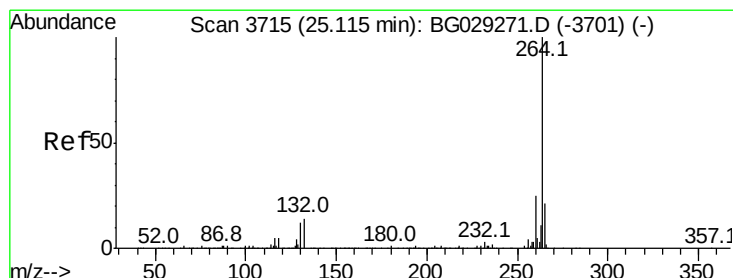
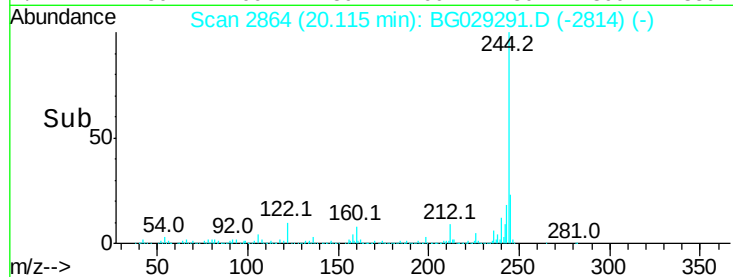
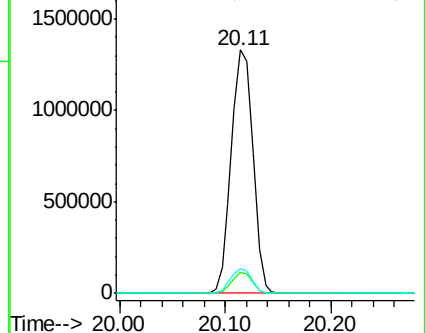
122 10.3 7.0 10.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3713

Delta R.T. -0.01 min

Lab File: BG029291.D

Acq: 17 Oct 2017 4:03

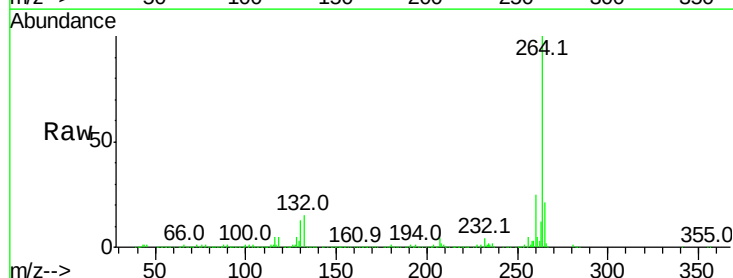
Tgt Ion:264 Resp: 572479

Ion Ratio Lower Upper

264 100

260 25.0 17.4 26.0

265 20.9 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

