

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100317\
 Data File : BG029005.D
 Acq On : 3 Oct 2017 14:48
 Operator : SJ/JU
 Sample : I5275-05
 Misc : LOD 2 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 04 05:15:45 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 16:57:11 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	32999	20.00	ng	-0.09
21) Naphthalene-d8	11.06	136	140511	20.00	ng	-0.09
38) Acenaphthene-d10	14.86	164	100548	20.00	ng	-0.08
63) Phenanthrene-d10	17.61	188	258658	20.00	ng	-0.08
75) Chrysene-d12	21.93	240	291466	20.00	ng	-0.11
86) Perylene-d12	25.34	264	276232	20.00	ng	-0.18

System Monitoring Compounds

5) 2-Fluorophenol	5.80	112	328627	164.32	ng	-0.10
7) Phenol-d6	7.40	99	445637	148.00	ng	-0.09
23) Nitrobenzene-d5	9.41	82	247233	84.17	ng	-0.09
41) 2,4,6-Tribromophenol	16.36	330	275081	165.41	ng	-0.08
44) 2-Fluorobiphenyl	13.48	172	642988	85.27	ng	-0.08
78) Terphenyl-d14	20.20	244	1093944	80.04	ng	-0.08

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.72	88	1751	2.16	ng	94
4) n-Nitrosodimethylamine	4.05	42	2112	2.01	ng	# 83
8) 2-Chlorophenol	7.81	128	4832	2.17	ng	83
10) Phenol	7.42	94	6555	2.06	ng	# 56
12) 1,3-Dichlorobenzene	8.13	146	5194	2.16	ng	92
13) 1,4-Dichlorobenzene	8.13	146	5194	2.10	ng	91
14) 1,2-Dichlorobenzene	8.59	146	5997	2.46	ng	# 88
16) 2,2'-oxybis(1-Chloropropan	8.76	45	8533	2.06	ng	97
17) 2-Methylphenol	8.69	107	4353	2.10	ng	# 73
18) Hexachloroethane	9.33	117	2155	2.38	ng	# 82
22) Acetophenone	9.07	105	8401	2.04	ng	# 75
24) Nitrobenzene	9.45	77	6551	2.01	ng	# 91
25) Isophorone	9.97	82	11996	2.02	ng	96
31) Naphthalene	11.11	128	15301	2.08	ng	# 91
32) Benzoic acid	10.23	122	4524	8.28	ng	# 6
34) Hexachlorobutadiene	11.38	225	4333	2.05	ng	# 87
37) 2-Methylnaphthalene	12.70	142	11533	2.10	ng	94
40) Hexachlorocyclopentadiene	13.04	237	92	7.65	ng	# 29
45) 1,1'-Biphenyl	13.69	154	18534	2.23	ng	99
46) 2-Chloronaphthalene	13.75	162	12256	2.02	ng	92
49) Dimethylphthalate	14.30	163	17333	2.06	ng	97
51) Acenaphthene	14.93	154	11896	2.02	ng	94
59) Diethylphthalate	15.66	149	18538	2.14	ng	96
60) 4-Chlorophenyl-phenylether	15.90	204	9687	2.03	ng	# 86
62) Azobenzene	16.18	77	14785	2.03	ng	90
70) Phenanthrene	17.66	178	29219	2.21	ng	# 89
71) Anthracene	17.75	178	27101	2.03	ng	96
72) Carbazole	18.02	167	24719	2.05	ng	# 94
73) Di-n-butylphthalate	18.55	149	30957	2.10	ng	# 92
74) Fluoranthene	19.66	202	34933	2.16	ng	90
77) Pyrene	20.03	202	37833	2.25	ng	# 89
80) Benzo(a)anthracene	21.97	228	35234	2.01	ng	99
82) Chrysene	21.97	228	35234	2.12	ng	97
87) Benzo(b)fluoranthene	24.25	252	33698	2.04	ng	95

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 16:57:11 2017
Response via : Initial Calibration

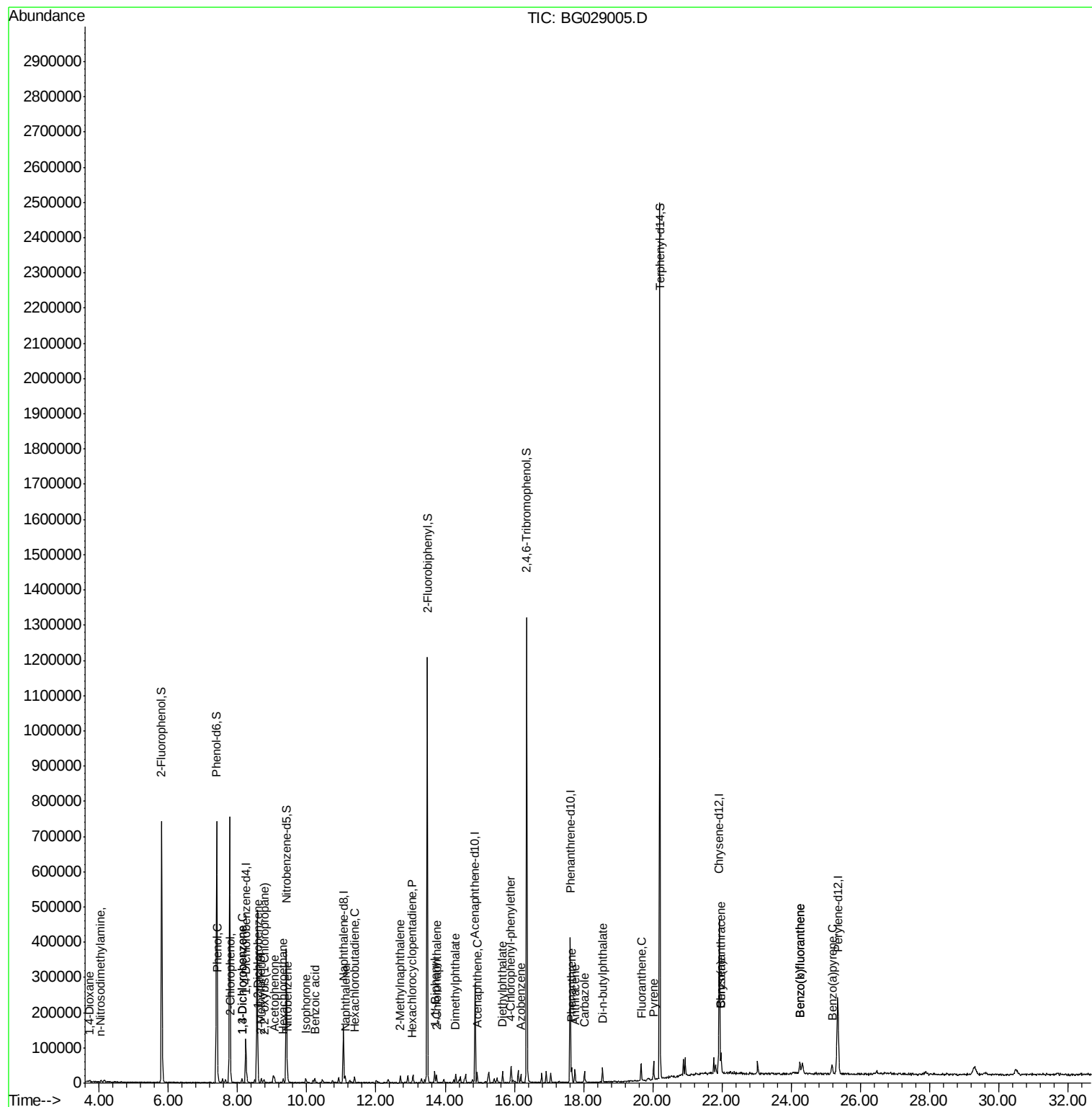
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(k)fluoranthene	24.25	252	33698	2.04	ng	98
89) Benzo(a)pyrene	25.19	252	31839	2.03	ng	96

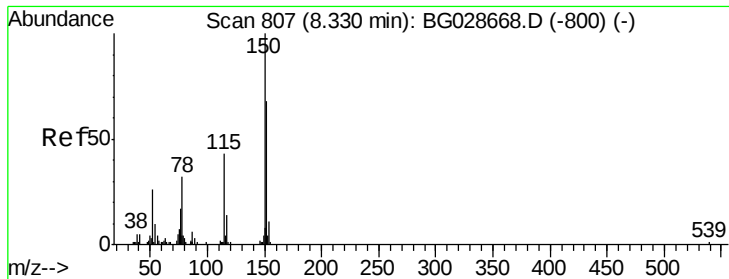
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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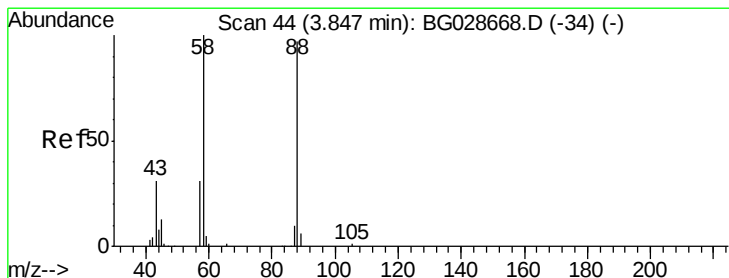
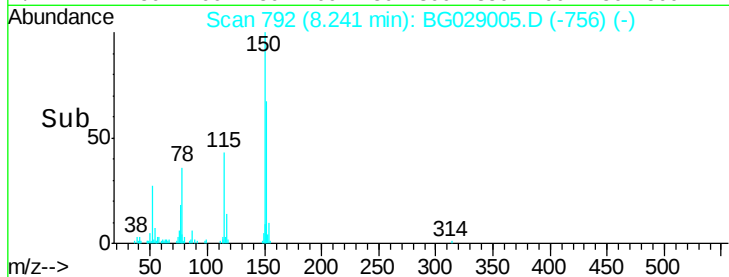
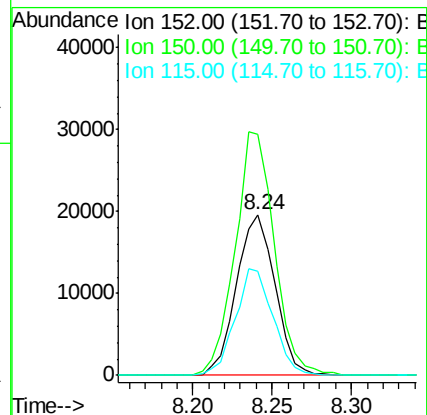
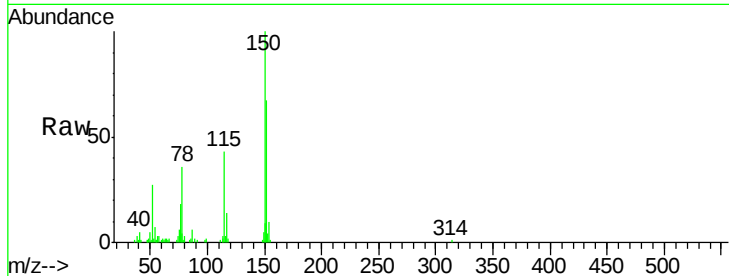


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.24 min Scan# 792
Delta R.T. -0.09 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

Instrument :
BNA_G
ClientSampleId :

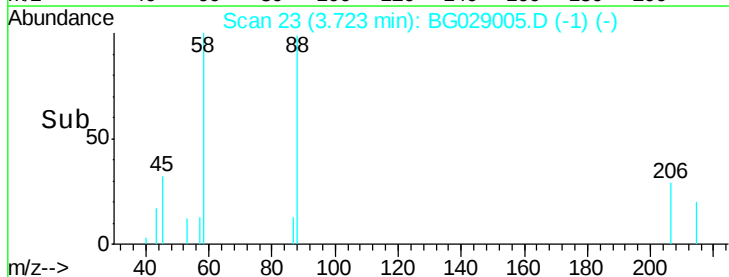
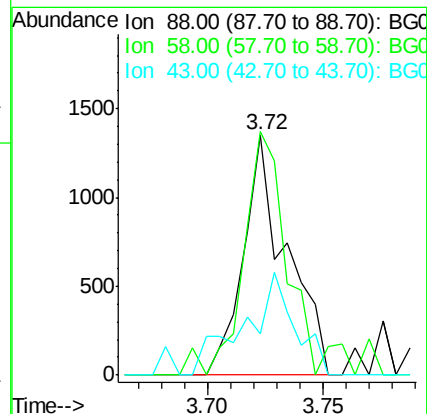
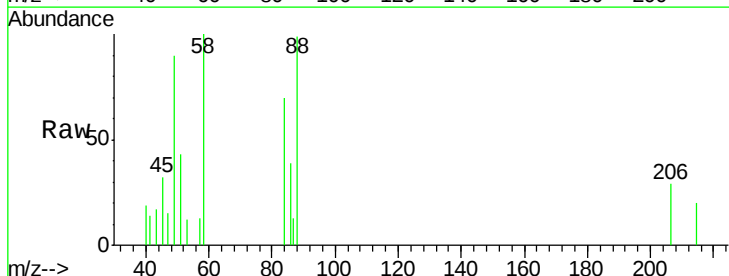
Tot Ion:152 Resp: 32999
Ion Ratio Lower Upper
152 100
150 150.2 114.0 171.0
115 64.4 48.1 72.1

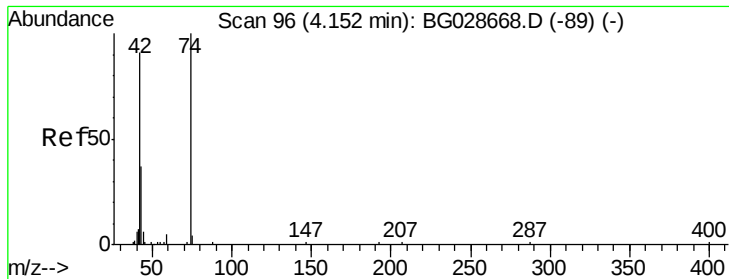


#2

1,4-Dioxane
Concen: 2.16 ng
RT: 3.72 min Scan# 23
Delta R.T. -0.12 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

Tgt Ion: 88 Resp: 1751
Ion Ratio Lower Upper
88 100
58 102.8 79.4 119.2
43 50.6 33.8 50.6



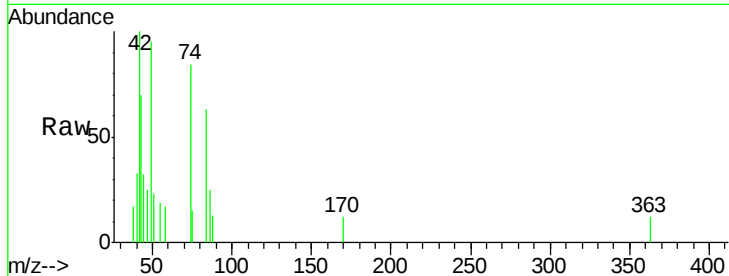


#4

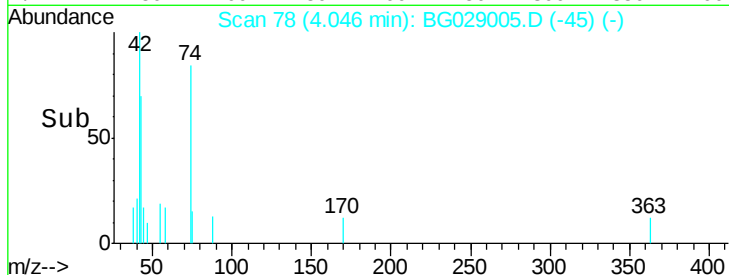
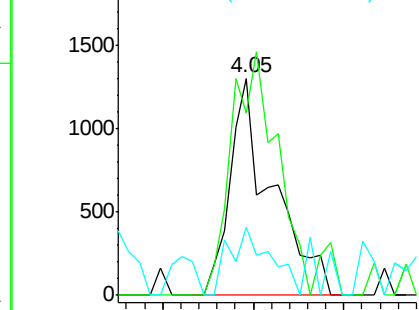
n-Nitrosodimethylamine
 Concen: 2.01 ng
 RT: 4.05 min Scan# 78
 Delta R.T. -0.11 min
 Lab File: BG029005.D
 Acq: 3 Oct 2017 14:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 42 Resp: 2112
 Ion Ratio Lower Upper
 42 100
 74 83.7 76.7 115.1
 44 31.5 6.1 9.1#



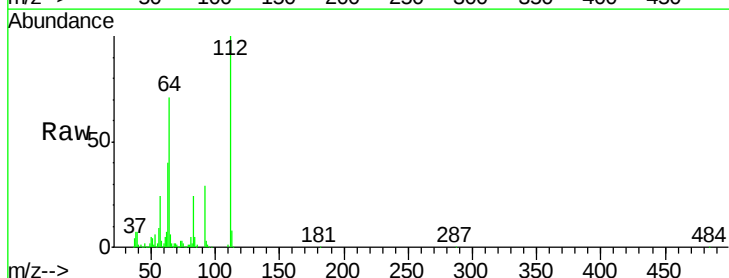
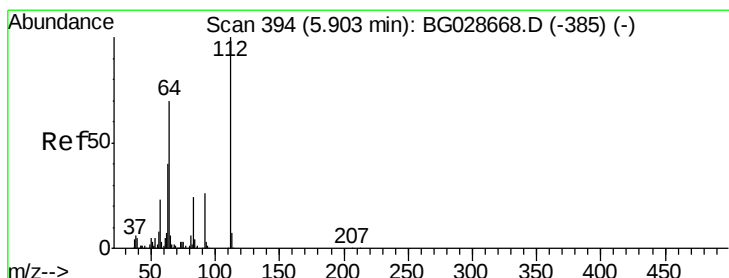
Abundance Ion 42.00 (41.70 to 42.70): BGC
 Ion 74.00 (73.70 to 74.70): BGC
 Ion 44.00 (43.70 to 44.70): BGC



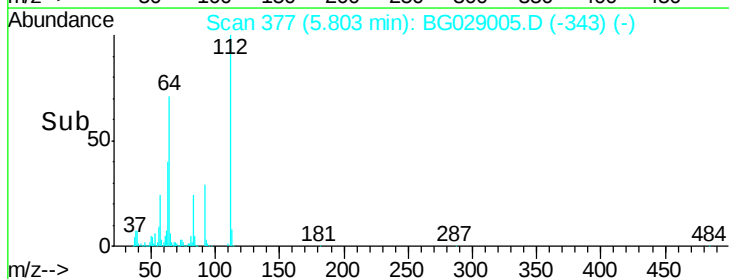
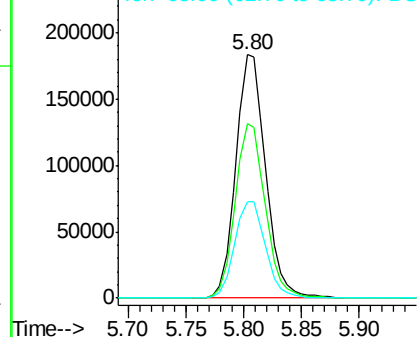
#5

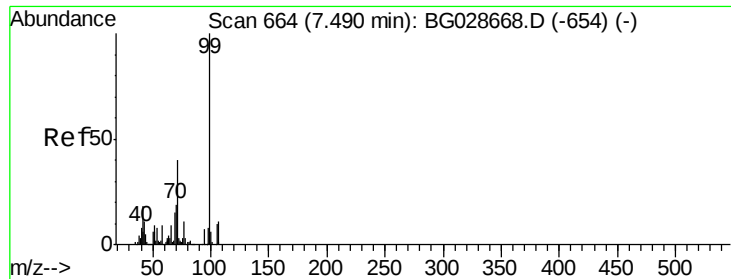
2-Fluorophenol
 Concen: 164.32 ng
 RT: 5.80 min Scan# 377
 Delta R.T. -0.10 min
 Lab File: BG029005.D
 Acq: 3 Oct 2017 14:48

Tgt Ion: 112 Resp: 328627
 Ion Ratio Lower Upper
 112 100
 64 71.5 61.8 92.6
 63 39.8 37.2 55.8



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: 148.00 ng

RT: 7.40 min Scan# 649

Delta R.T. -0.09 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

Instrument :

BNA_G

ClientSampleId :

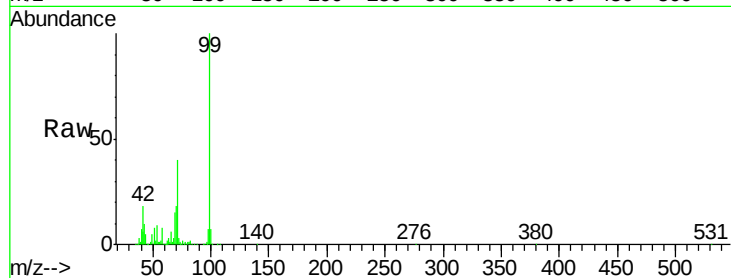
Tot Ion: 99 Resp: 445637

Ion Ratio Lower Upper

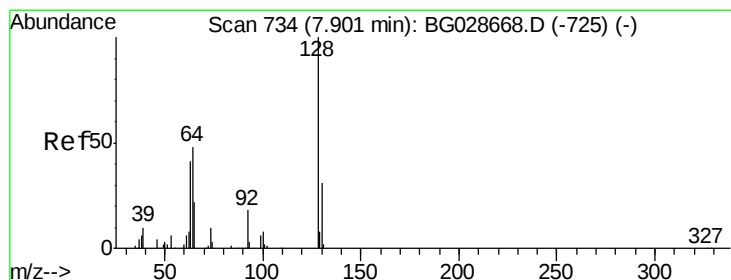
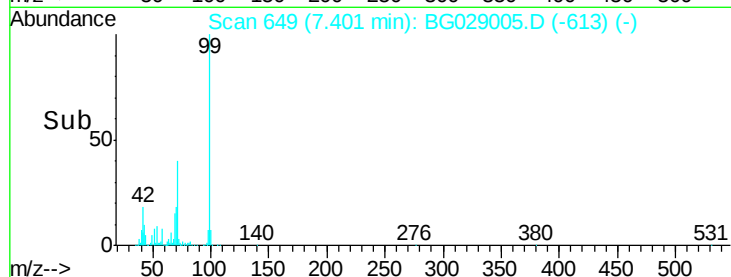
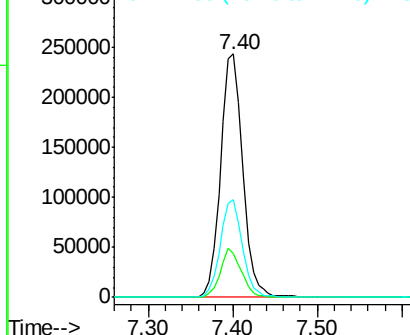
99 100

42 18.0 20.5 30.7#

71 40.2 37.6 56.4



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



#8

2-Chlorophenol

Concen: 2.17 ng

RT: 7.81 min Scan# 718

Delta R.T. -0.09 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

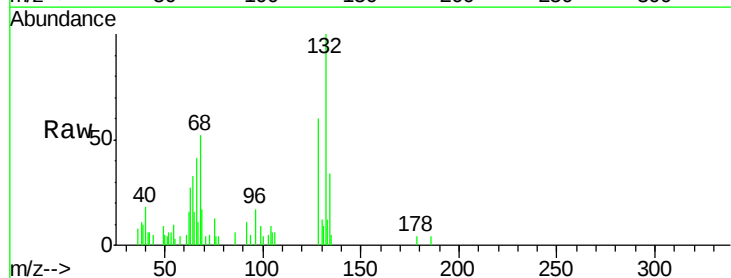
Tgt Ion:128 Resp: 4832

Ion Ratio Lower Upper

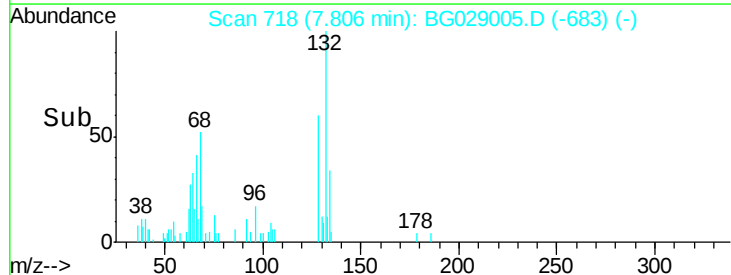
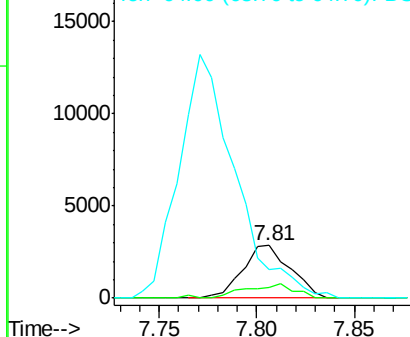
128 100

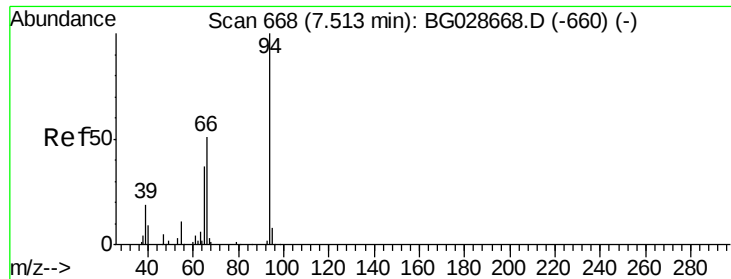
130 20.1 11.4 51.4

64 54.6 46.6 86.6



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#10

Phenol

Concen: 2.06 ng

RT: 7.42 min Scan# 653

Delta R.T. -0.09 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

Instrument :

BNA_G

ClientSampleId :

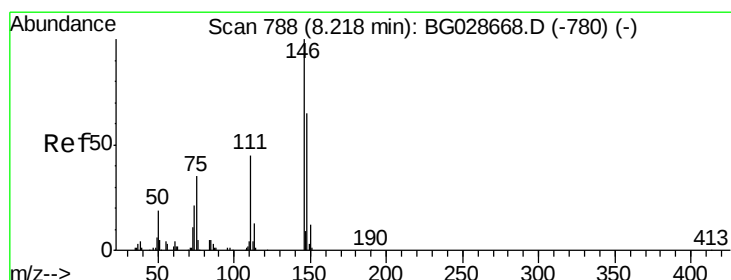
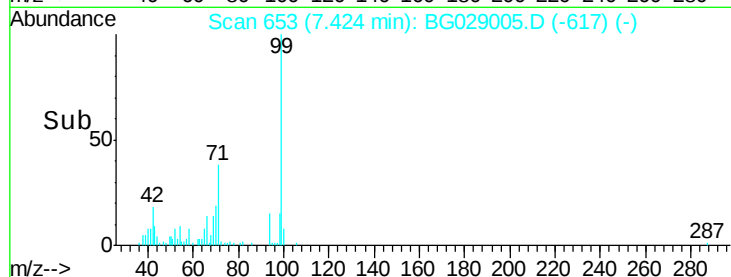
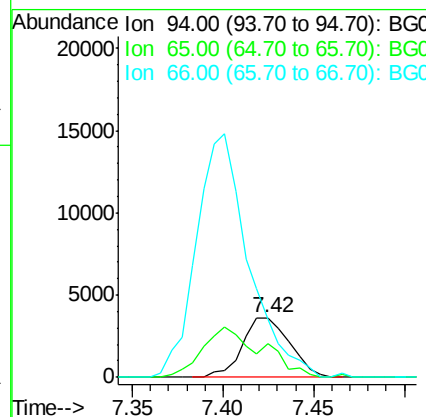
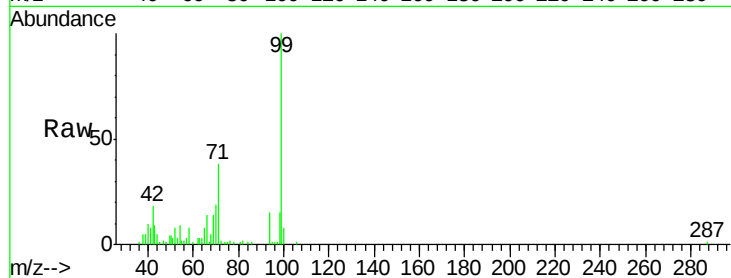
Tot Ion: 94 Resp: 6555

Ion Ratio Lower Upper

94 100

65 56.3 20.6 60.6

66 97.7 35.5 75.5#



#12

1,3-Dichlorobenzene

Concen: 2.16 ng

RT: 8.13 min Scan# 773

Delta R.T. -0.09 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

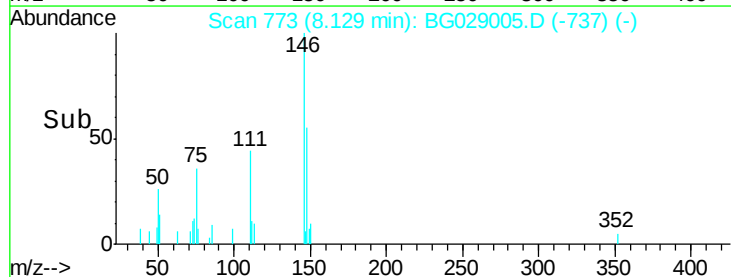
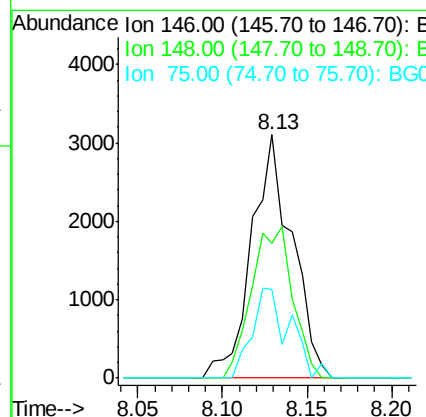
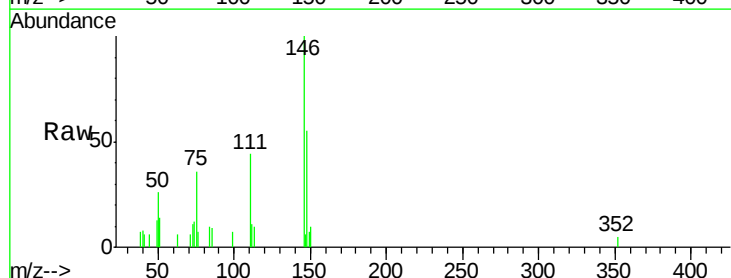
Tgt Ion: 146 Resp: 5194

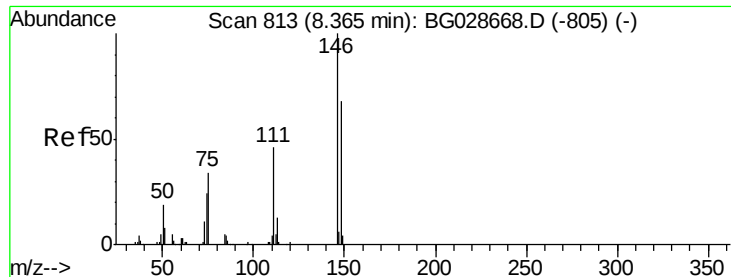
Ion Ratio Lower Upper

146 100

148 55.4 49.2 73.8

75 36.2 33.4 50.2

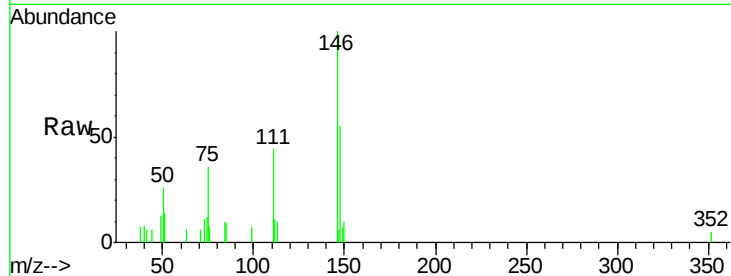




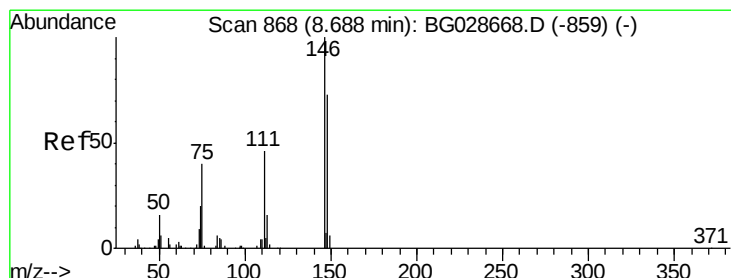
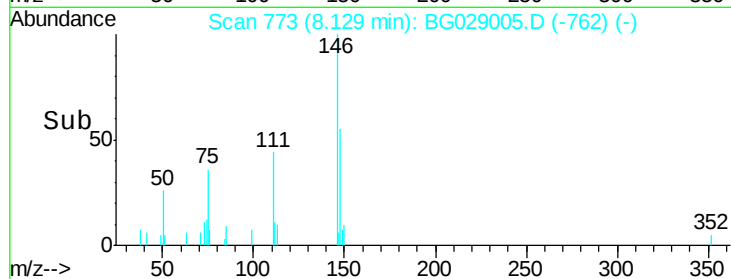
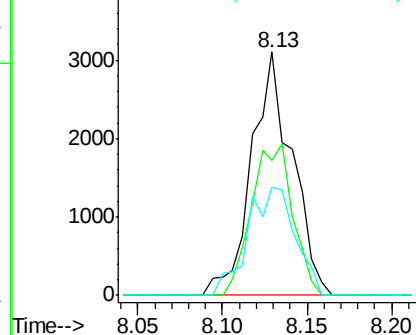
#13
 1,4-Dichlorobenzene
 Concen: 2.10 ng
 RT: 8.13 min Scan# 773
 Delta R.T. -0.24 min
 Lab File: BG029005.D
 Acq: 3 Oct 2017 14:48

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:146 Resp: 5194
 Ion Ratio Lower Upper
 146 100
 148 55.4 52.2 78.2
 111 44.3 37.0 55.6

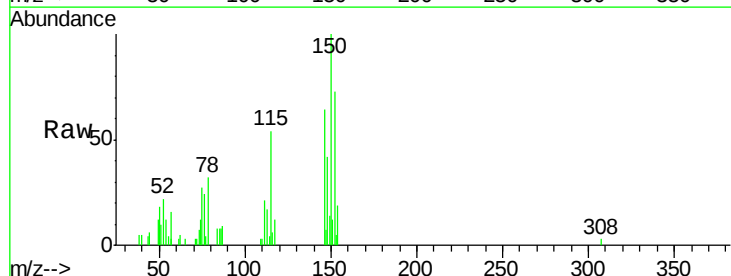


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

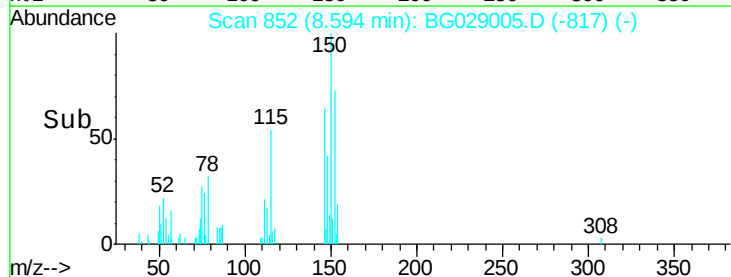
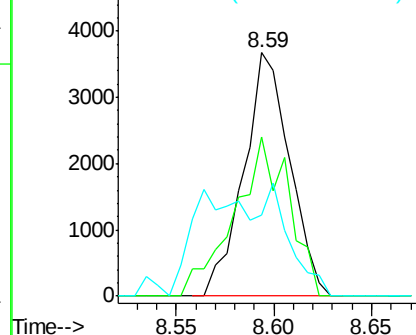


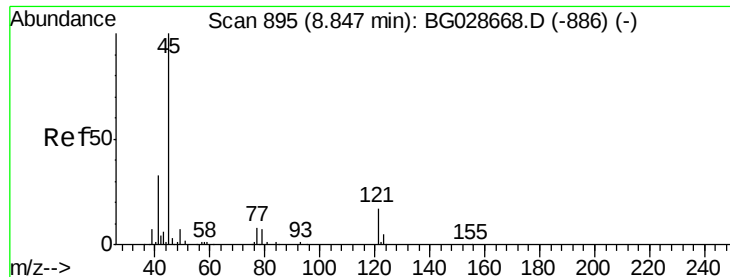
#14
 1,2-Dichlorobenzene
 Concen: 2.46 ng
 RT: 8.59 min Scan# 852
 Delta R.T. -0.09 min
 Lab File: BG029005.D
 Acq: 3 Oct 2017 14:48

Tgt Ion:146 Resp: 5997
 Ion Ratio Lower Upper
 146 100
 148 65.5 54.6 81.8
 111 33.4 39.7 59.5#



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

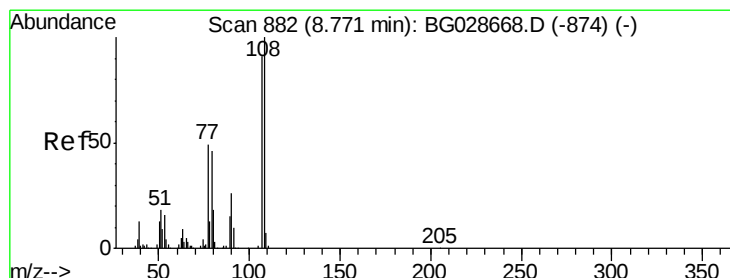
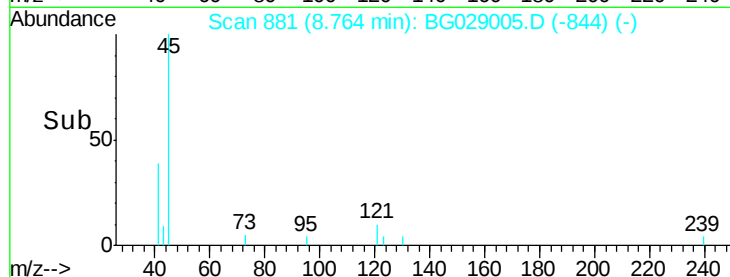
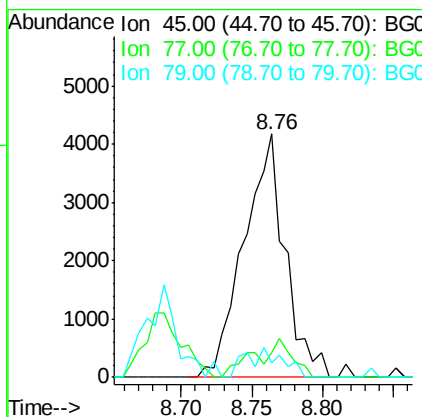
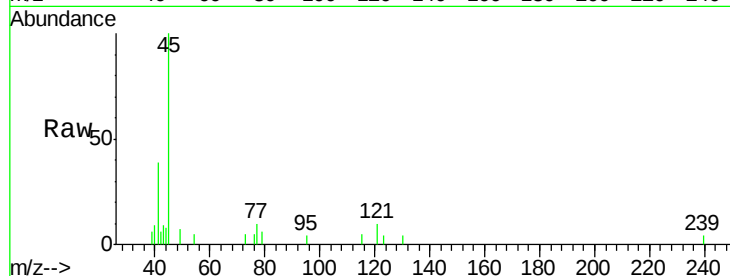




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 2.06 ng
RT: 8.76 min Scan# 881
Delta R.T. -0.08 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

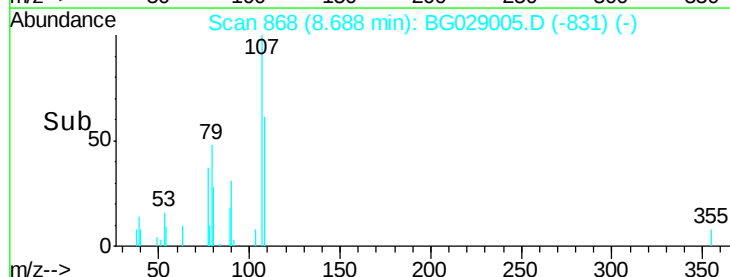
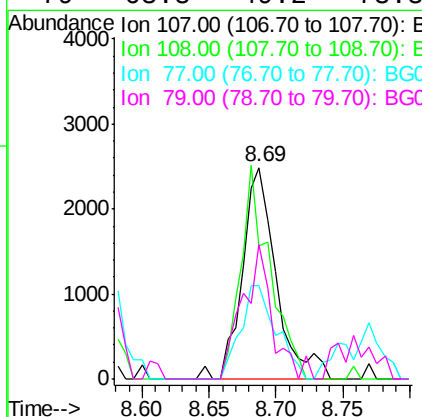
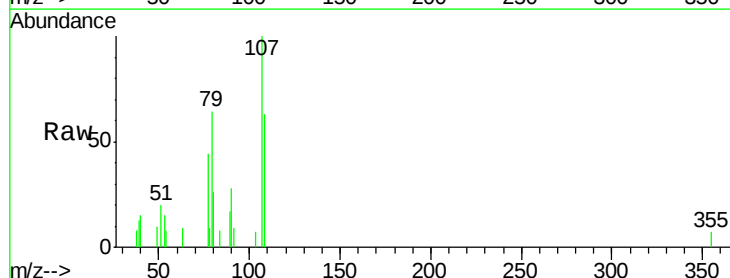
Instrument :
BNA_G
ClientSampleId :

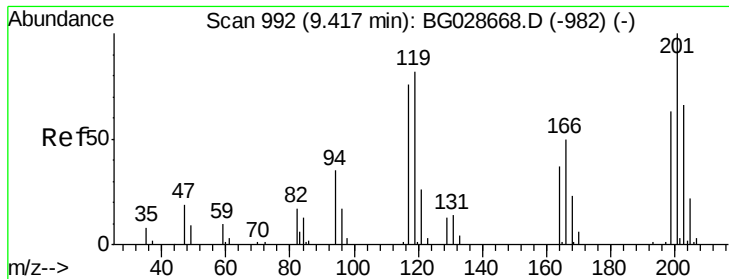
Tot Ion: 45 Resp: 8533
Ion Ratio Lower Upper
45 100
77 10.3 0.0 30.6
79 6.1 0.0 28.5



#17
2-Methylphenol
Concen: 2.10 ng
RT: 8.69 min Scan# 868
Delta R.T. -0.08 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

Tgt Ion: 107 Resp: 4353
Ion Ratio Lower Upper
107 100
108 63.0 85.6 128.4#
77 44.3 51.4 77.2#
79 63.8 49.2 73.8

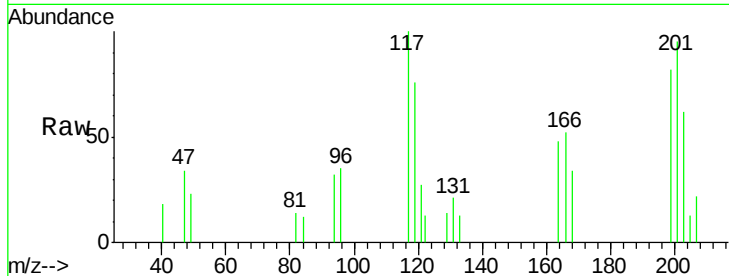




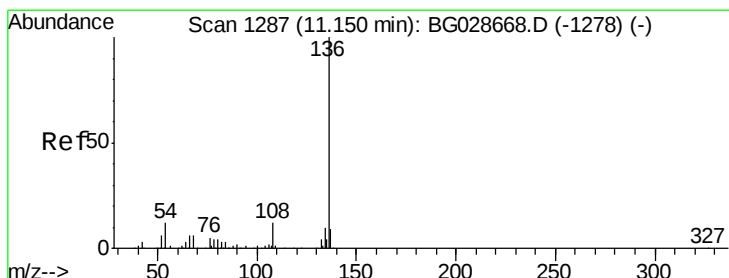
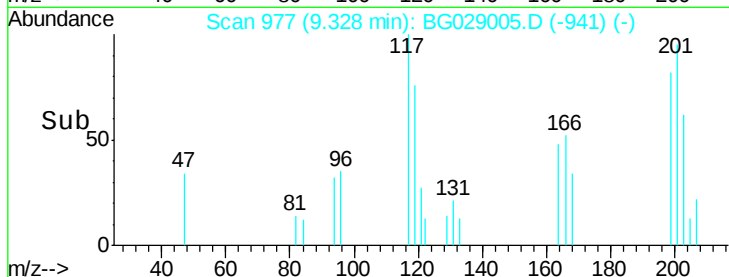
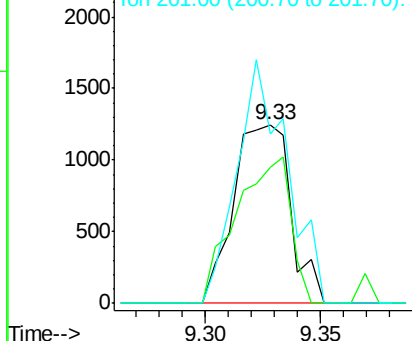
#18
Hexachloroethane
Concen: 2.38 ng
RT: 9.33 min Scan# 977
Delta R.T. -0.09 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

Instrument :
BNA_G
ClientSampled :

Tot Ion:117 Resp: 2155
Ion Ratio Lower Upper
117 100
119 76.0 69.8 104.6
201 95.2 95.4 143.0#

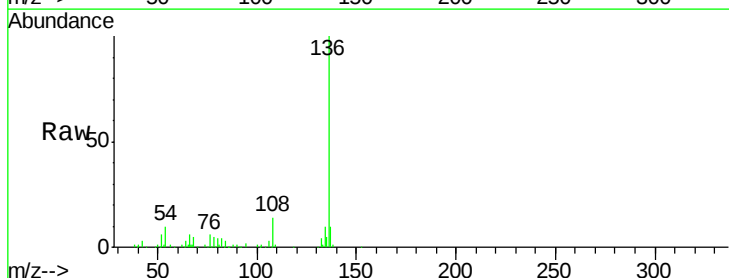


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

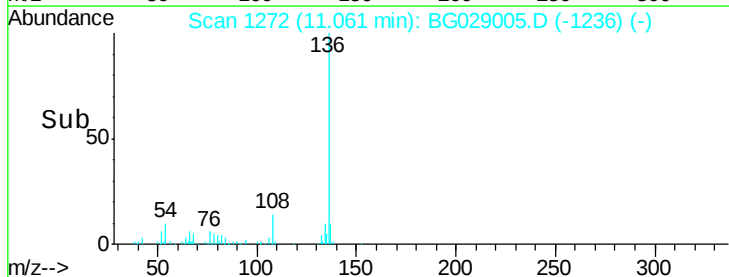
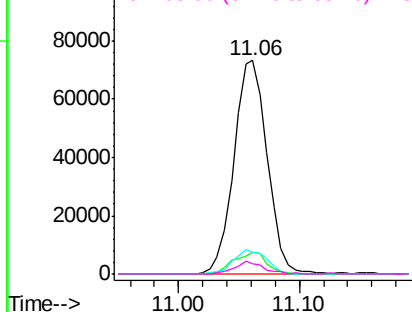


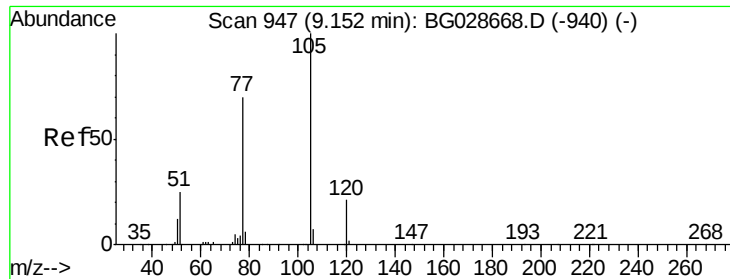
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.06 min Scan# 1272
Delta R.T. -0.09 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

Tgt Ion:136 Resp: 140511
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 10.3 9.3 13.9
68 5.0 5.1 7.7#



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

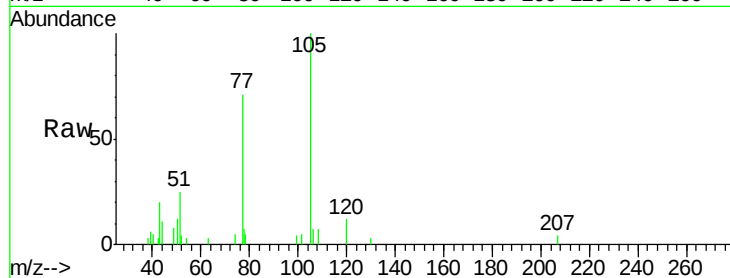




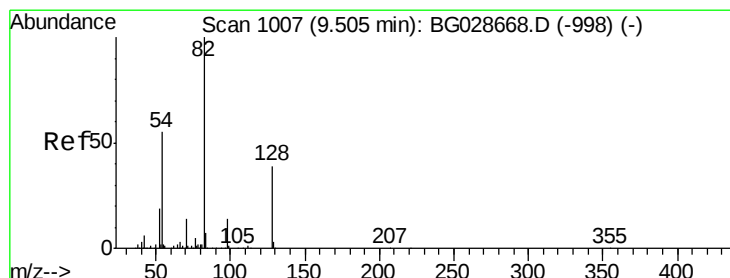
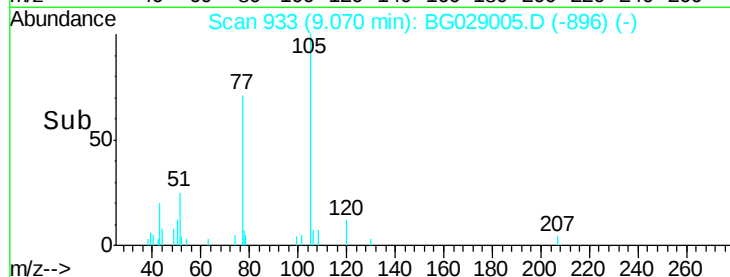
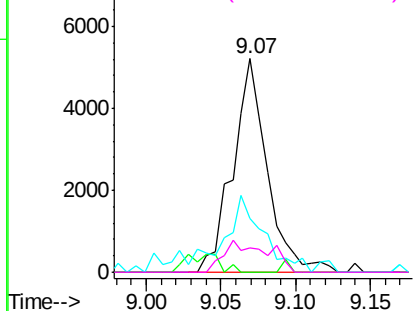
#22
Acetophenone
Concen: 2.04 ng
RT: 9.07 min Scan# 933
Delta R.T. -0.08 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 105 Resp: 8401
Ion Ratio Lower Upper
105 100
71 0.0 0.9 1.3#
51 25.2 34.0 51.0#
120 11.5 17.3 25.9#

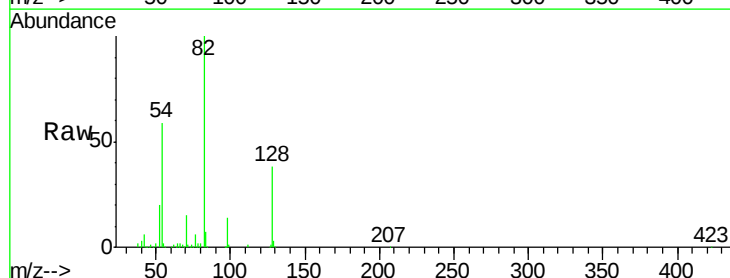


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

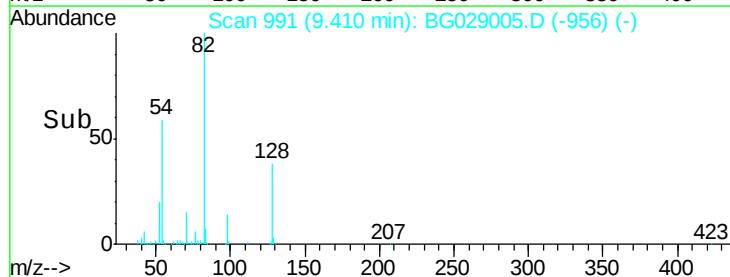
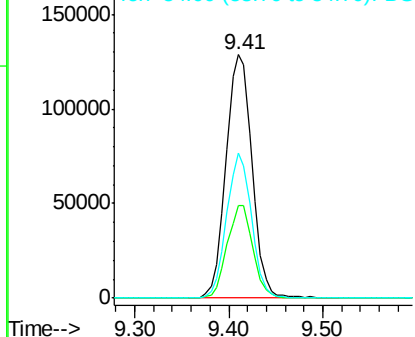


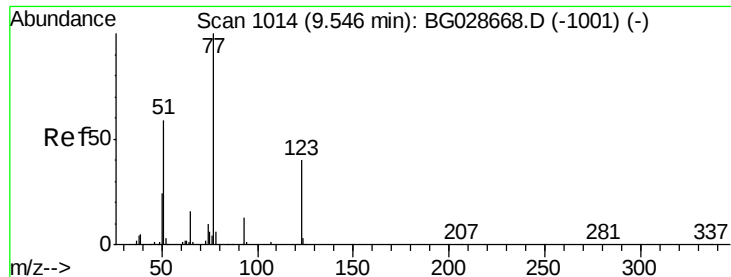
#23
Nitrobenzene-d5
Concen: 84.17 ng
RT: 9.41 min Scan# 991
Delta R.T. -0.09 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

Tgt Ion: 82 Resp: 247233
Ion Ratio Lower Upper
82 100
128 37.8 26.4 39.6
54 59.5 49.4 74.2



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

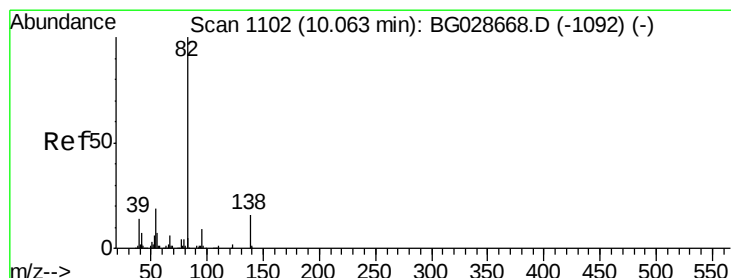
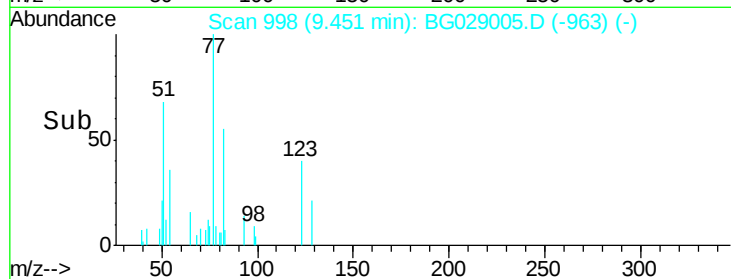
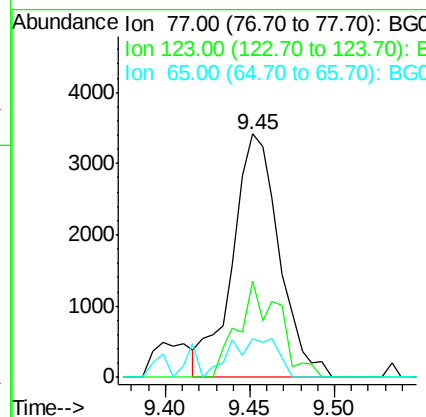
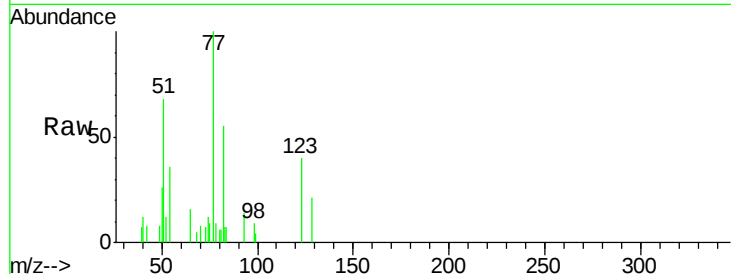




#24
Nitrobenzene
Concen: 2.01 ng
RT: 9.45 min Scan# 998
Delta R.T. -0.09 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

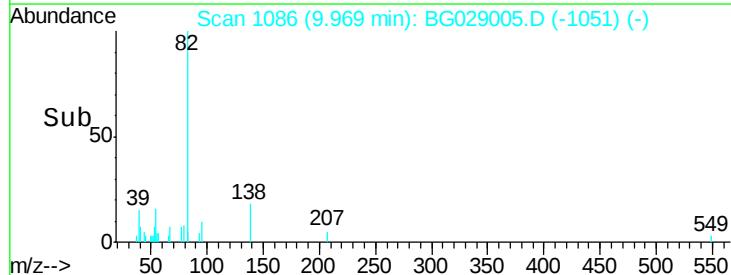
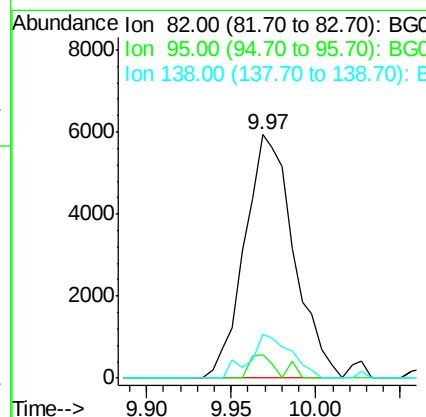
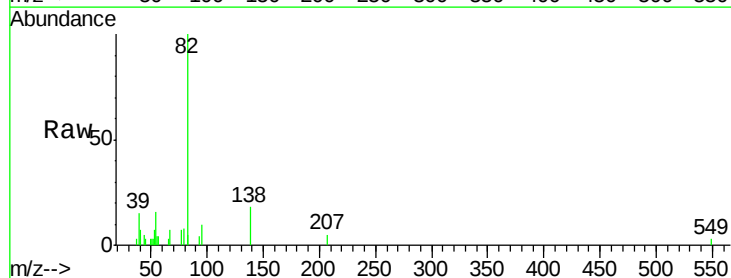
Instrument :
BNA_G
ClientSampleId :

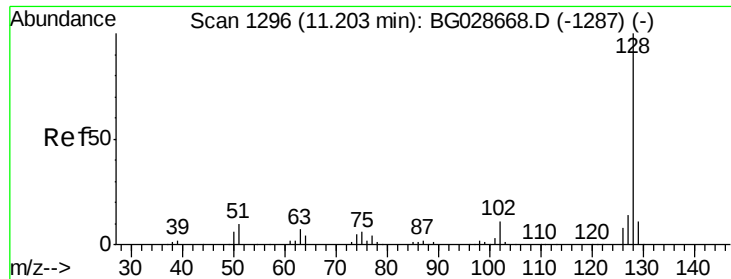
Tot Ion: 77 Resp: 6551
Ion Ratio Lower Upper
77 100
123 39.8 26.1 39.1#
65 15.9 12.4 18.6



#25
Isophorone
Concen: 2.02 ng
RT: 9.97 min Scan# 1086
Delta R.T. -0.09 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

Tgt Ion: 82 Resp: 11996
Ion Ratio Lower Upper
82 100
95 9.8 7.5 11.3
138 18.1 12.3 18.5

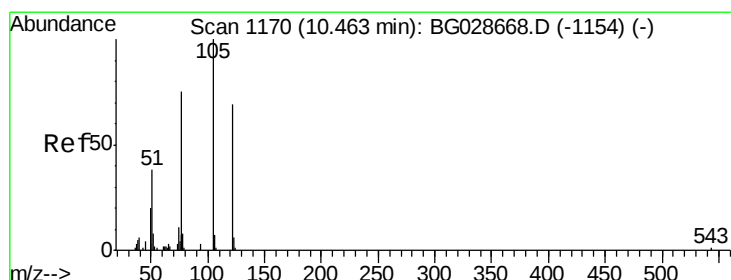
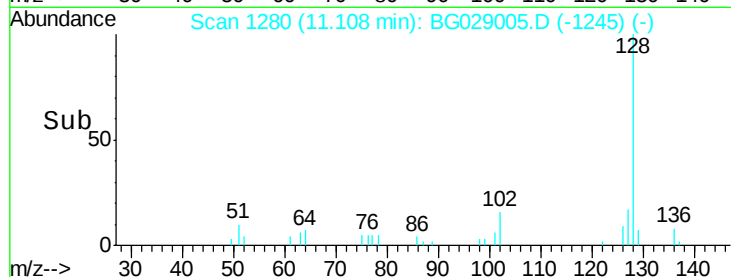
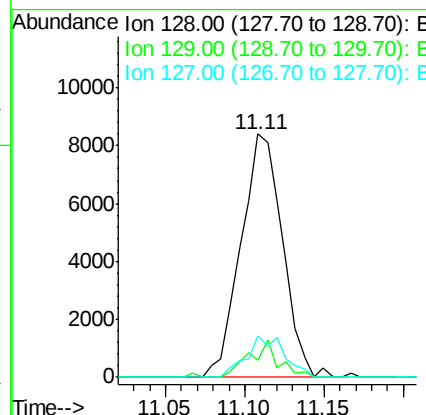
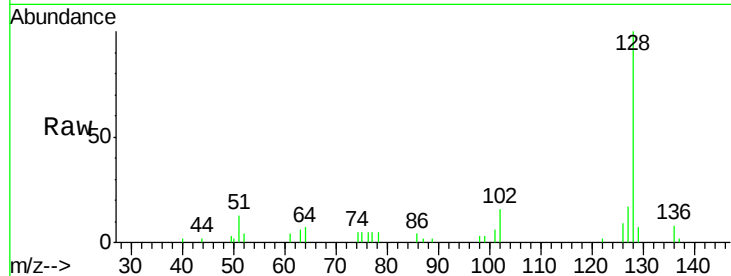




#31
Naphthalene
Concen: 2.08 ng
RT: 11.11 min Scan# 1280
Delta R.T. -0.09 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

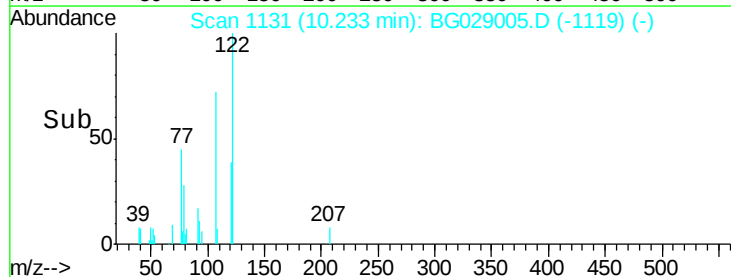
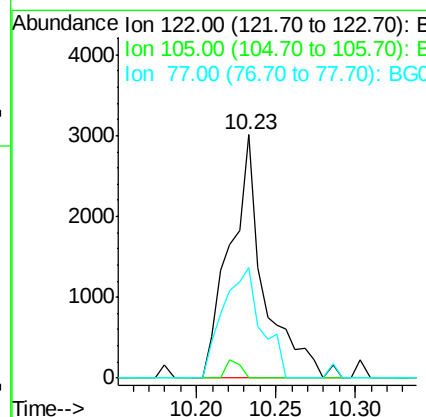
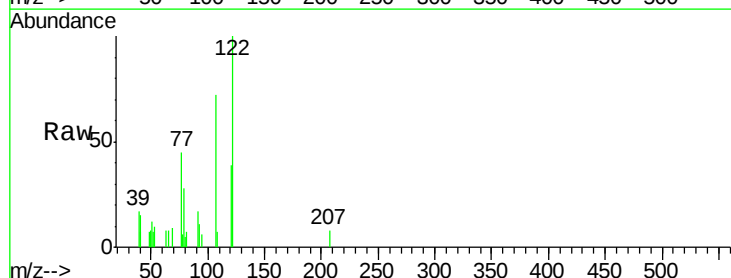
Instrument :
BNA_G
ClientSampled :

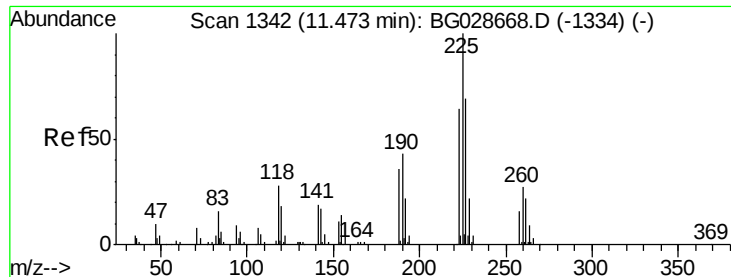
Tot Ion:128 Resp: 15301
Ion Ratio Lower Upper
128 100
129 7.2 9.3 13.9#
127 17.1 11.4 17.0#



#32
Benzoic acid
Concen: 8.28 ng
RT: 10.23 min Scan# 1131
Delta R.T. -0.23 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

Tgt Ion:122 Resp: 4524
Ion Ratio Lower Upper
122 100
105 0.0 120.1 160.1#
77 45.1 104.6 144.6#

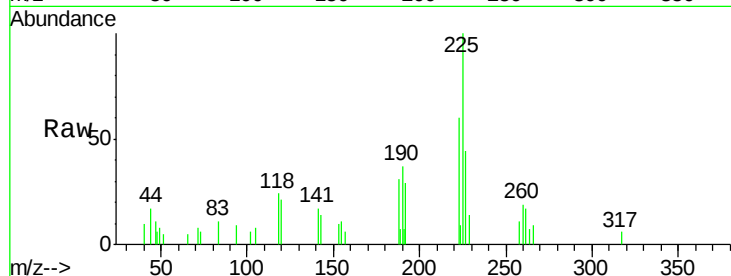




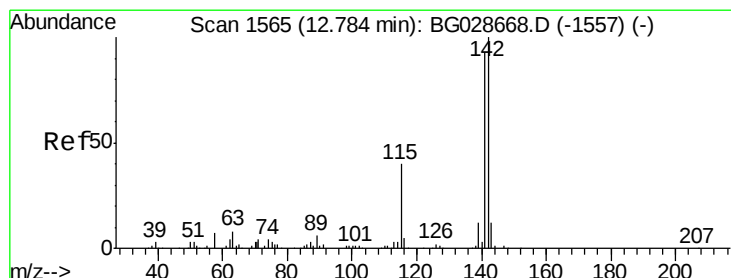
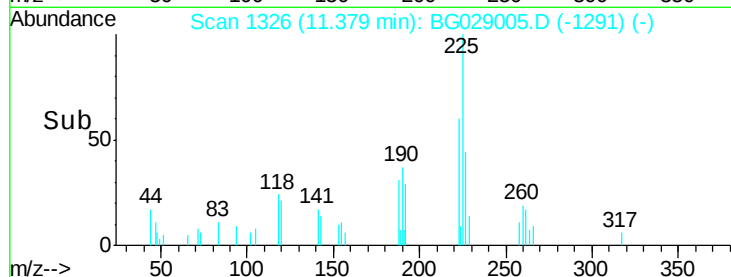
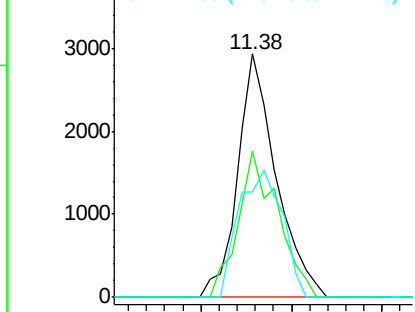
#34
Hexachlorobutadiene
Concen: 2.05 ng
RT: 11.38 min Scan# 1326
Delta R.T. -0.09 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:225 Resp: 4333
Ion Ratio Lower Upper
225 100
223 60.3 50.7 76.1
227 43.5 49.0 73.6#

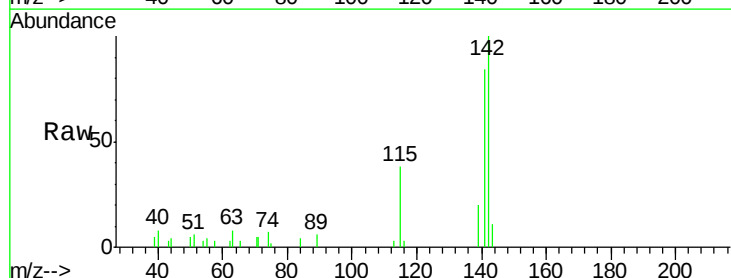


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

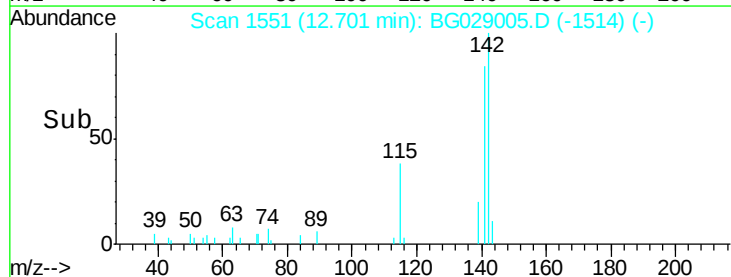
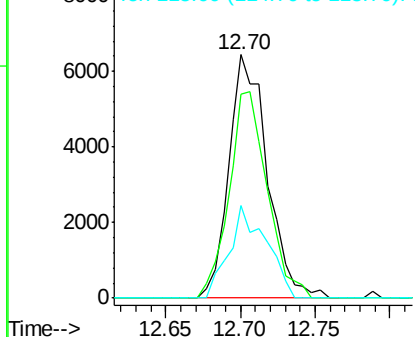


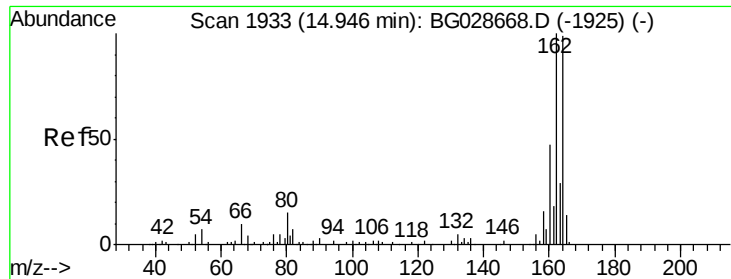
#37
2-Methylnaphthalene
Concen: 2.10 ng
RT: 12.70 min Scan# 1551
Delta R.T. -0.08 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

Tgt Ion:142 Resp: 11533
Ion Ratio Lower Upper
142 100
141 83.8 70.4 105.6
115 38.1 35.5 53.3



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: 20.00 ng

RT: 14.86 min Scan# 1919

Delta R.T. -0.08 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

Instrument :

BNA_G

ClientSampleId :

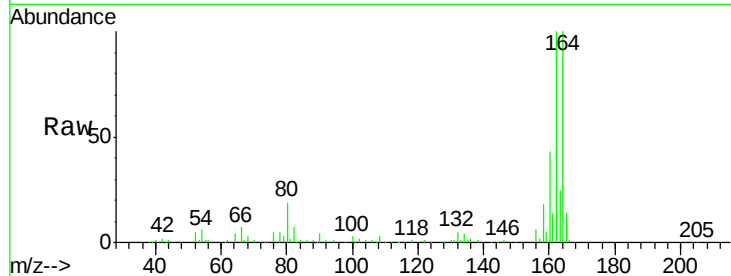
Tot Ion:164 Resp: 100548

Ion Ratio Lower Upper

164 100

162 99.8 85.1 127.7

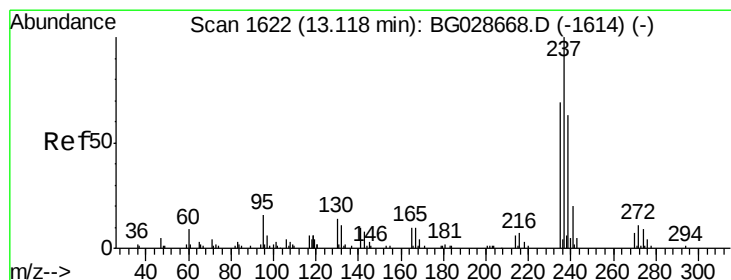
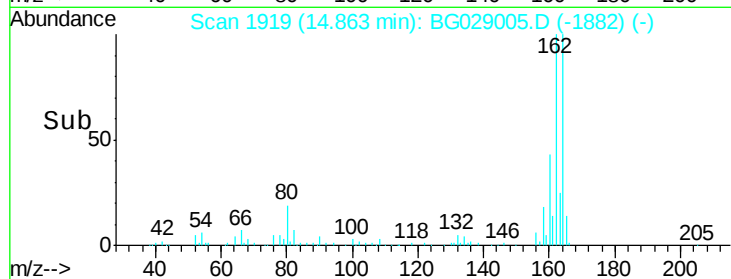
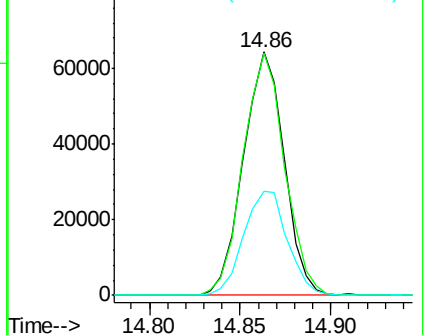
160 42.8 34.7 52.1



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



#40

Hexachlorocyclopentadiene

Concen: 7.65 ng

RT: 13.04 min Scan# 1608

Delta R.T. -0.08 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

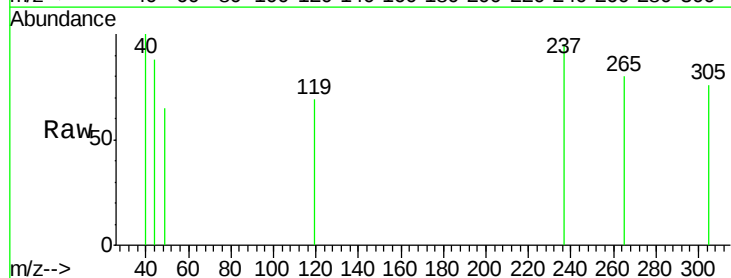
Tgt Ion:237 Resp: 92

Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

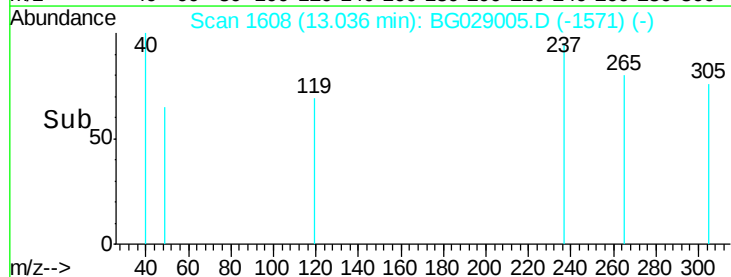
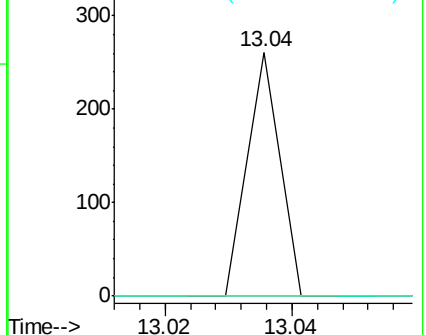
272 0.0 0.0 32.0

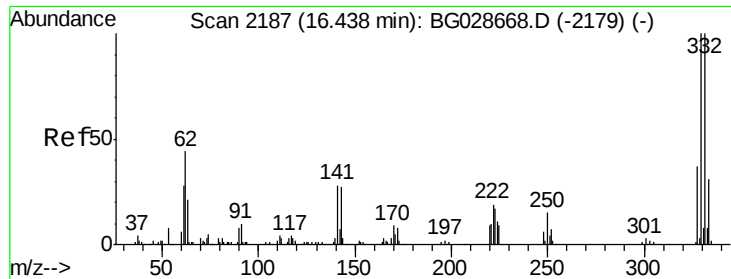


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

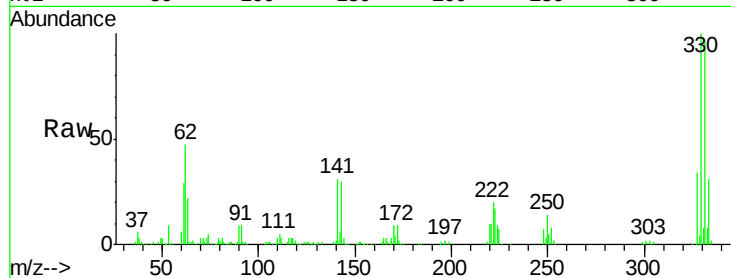




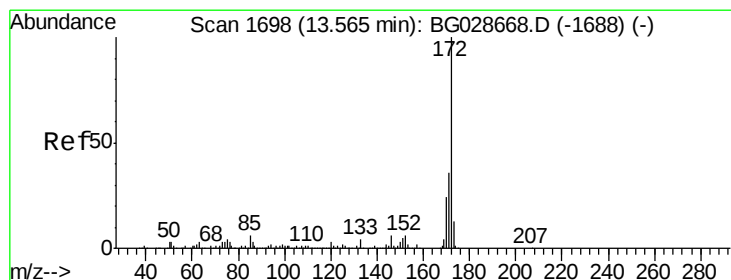
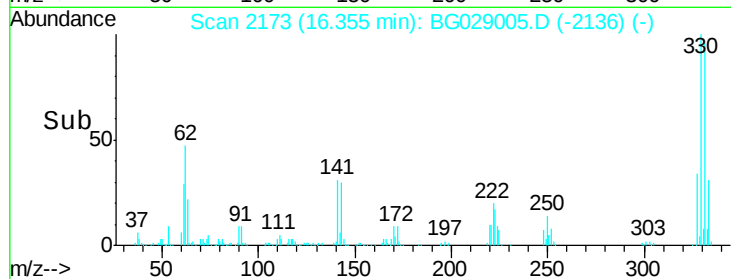
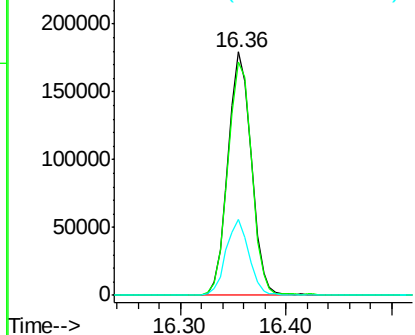
#41
 2,4,6-Tribromophenol
 Concen: 165.41 ng
 RT: 16.36 min Scan# 2173
 Delta R.T. -0.08 min
 Lab File: BG029005.D
 Acq: 3 Oct 2017 14:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.3	115.9
141	30.5	32.1	48.1#

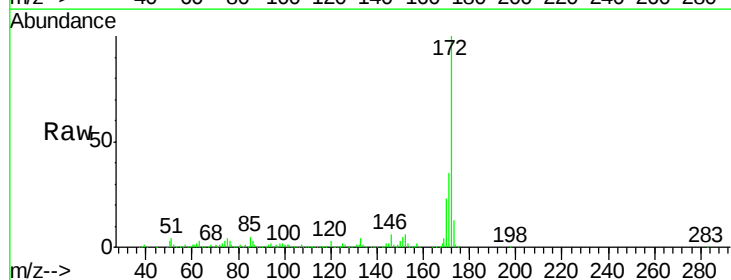


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

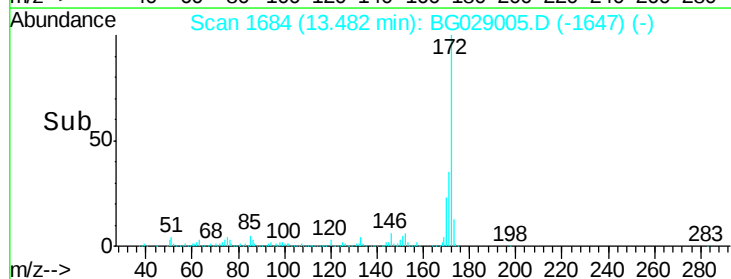
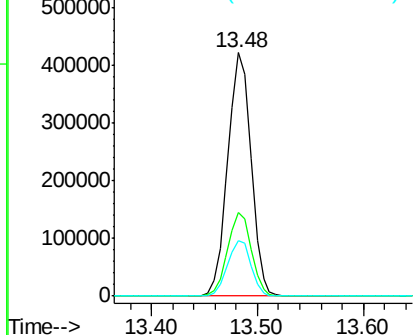


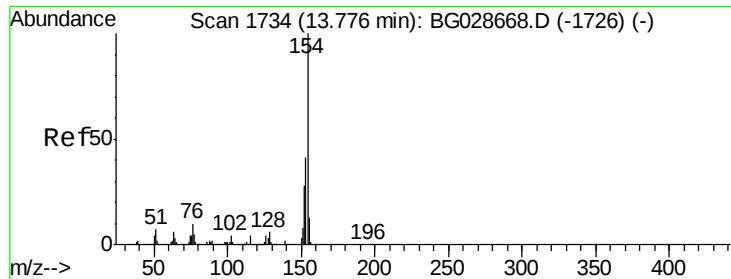
#44
 2-Fluorobiphenyl
 Concen: 85.27 ng
 RT: 13.48 min Scan# 1684
 Delta R.T. -0.08 min
 Lab File: BG029005.D
 Acq: 3 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	32.2	48.2
170	22.8	21.8	32.6



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: 2.23 ng

RT: 13.69 min Scan# 1720

Delta R.T. -0.08 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

Instrument :

BNA_G

ClientSampleId :

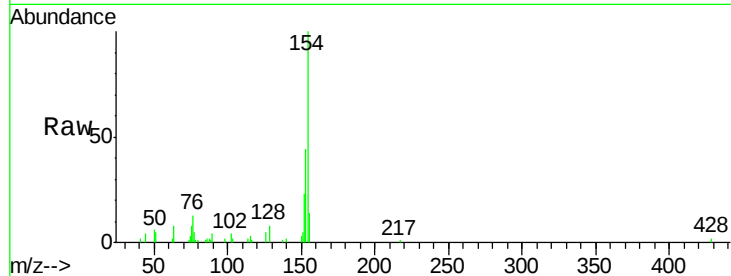
Tot Ion:154 Resp: 18534

Ion Ratio Lower Upper

154 100

153 43.6 23.0 63.0

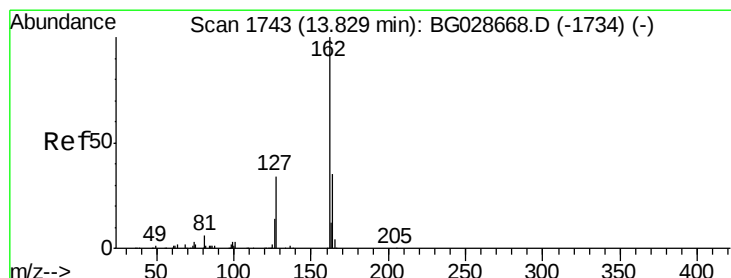
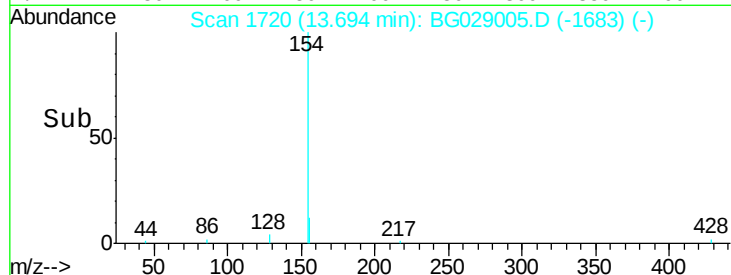
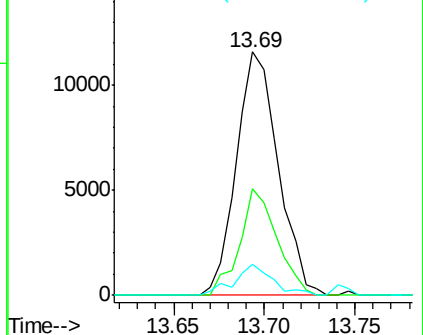
76 12.7 0.0 33.5



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): BGC



#46

2-Chloronaphthalene

Concen: 2.02 ng

RT: 13.75 min Scan# 1729

Delta R.T. -0.08 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

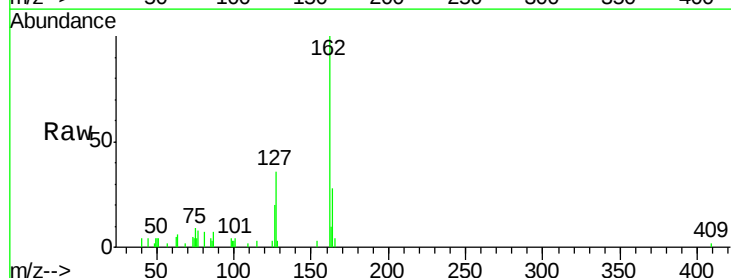
Tgt Ion:162 Resp: 12256

Ion Ratio Lower Upper

162 100

127 36.4 32.2 48.4

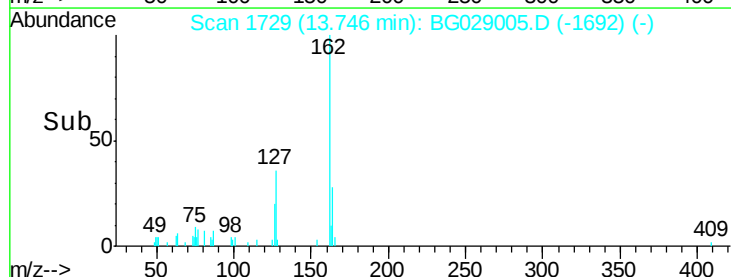
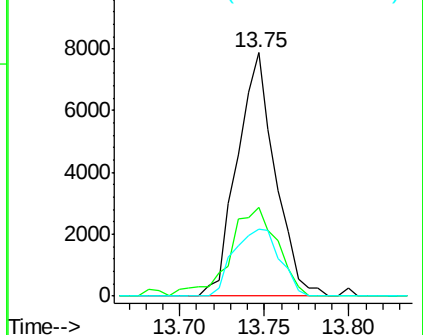
164 27.7 27.3 40.9

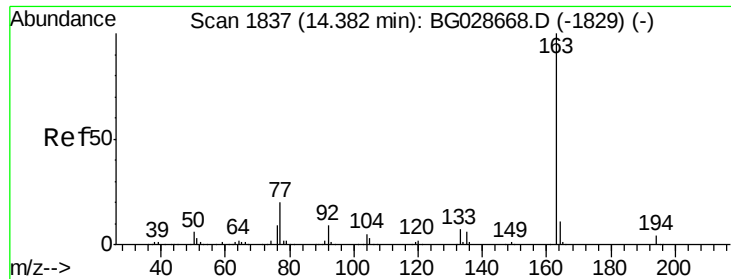


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

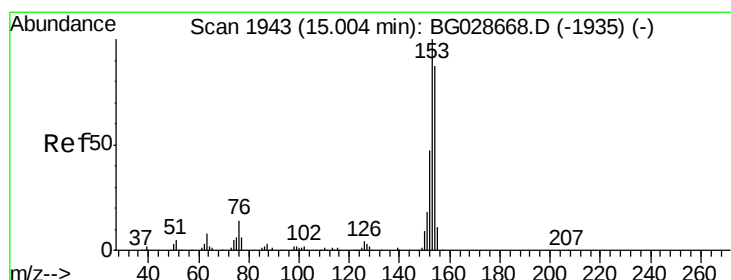
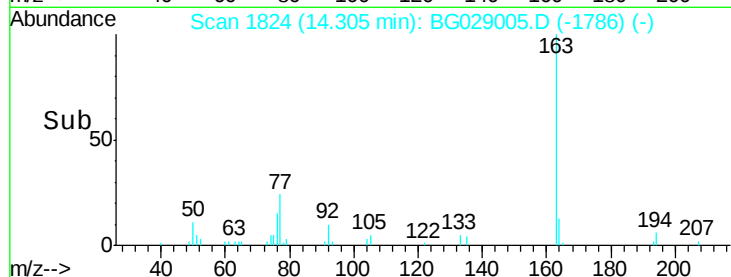
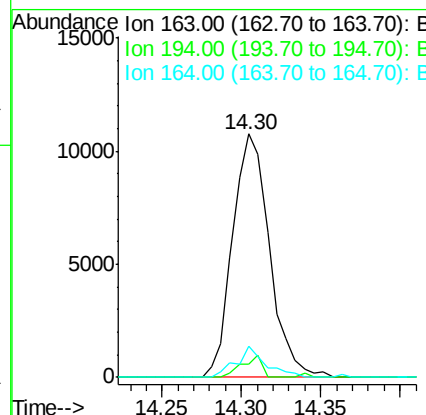
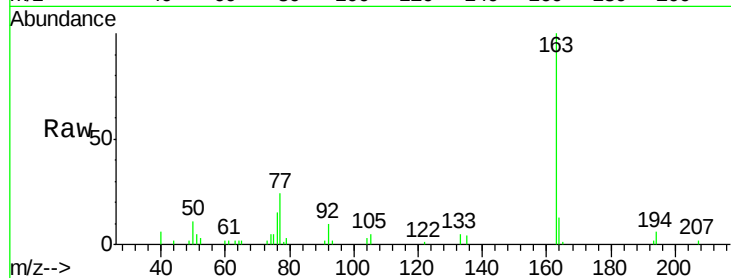




#49
Dimethylphthalate
Concen: 2.06 ng
RT: 14.30 min Scan# 1824
Delta R.T. -0.08 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

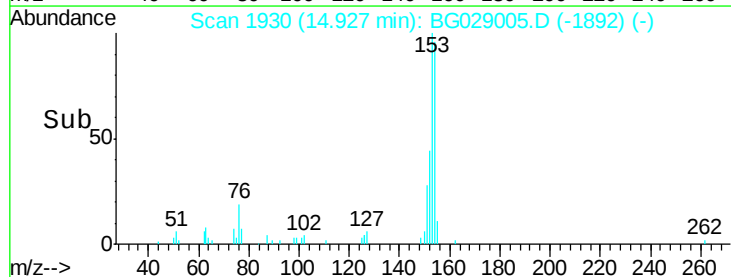
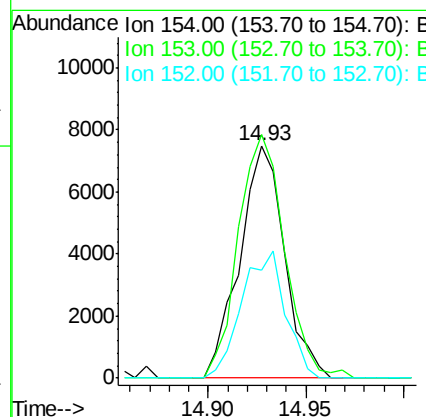
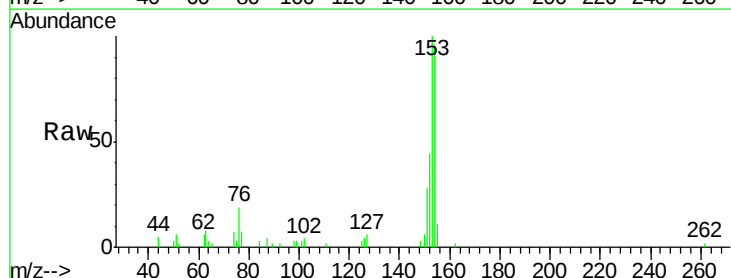
Instrument :
BNA_G
ClientSampled :

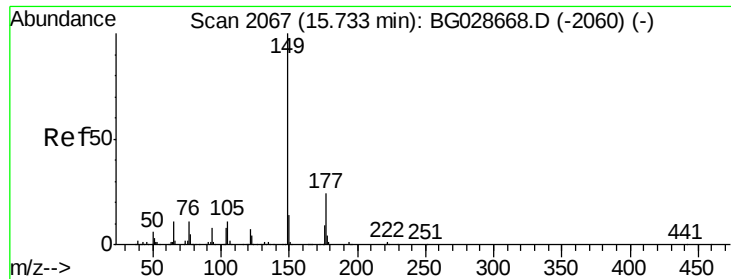
Tot Ion:163 Resp: 17333
Ion Ratio Lower Upper
163 100
194 5.5 3.8 5.6
164 12.8 9.3 13.9



#51
Acenaphthene
Concen: 2.02 ng
RT: 14.93 min Scan# 1930
Delta R.T. -0.08 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

Tgt Ion:154 Resp: 11896
Ion Ratio Lower Upper
154 100
153 104.6 87.8 131.6
152 46.5 42.2 63.4

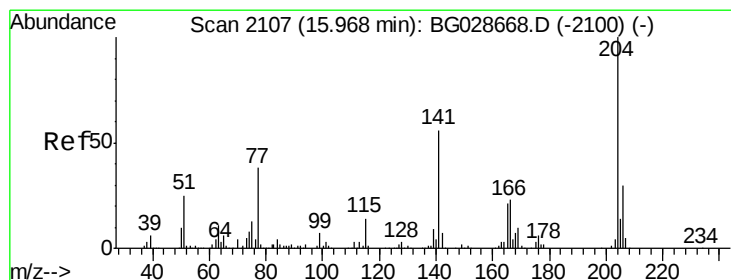
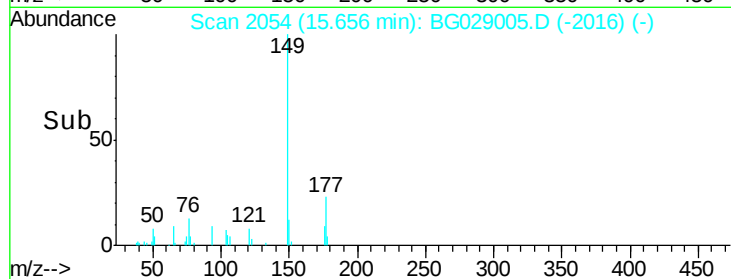
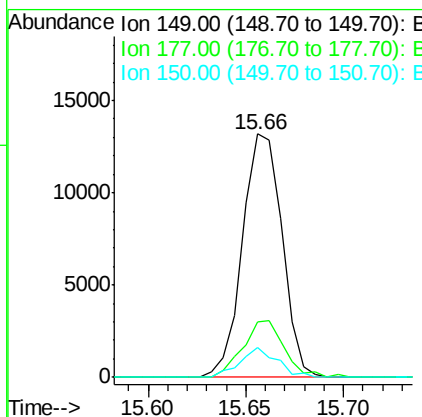
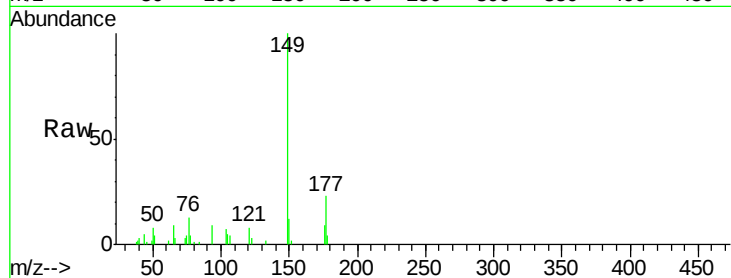




#59
Diethylphthalate
Concen: 2.14 ng
RT: 15.66 min Scan# 2054
Delta R.T. -0.08 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

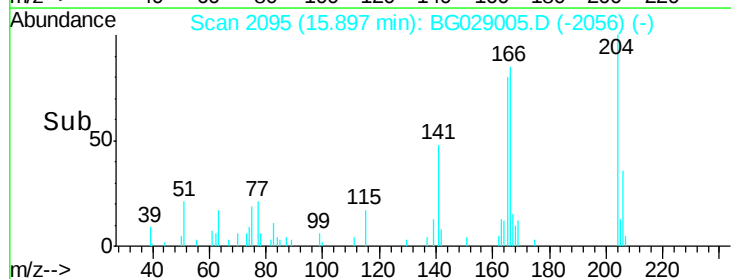
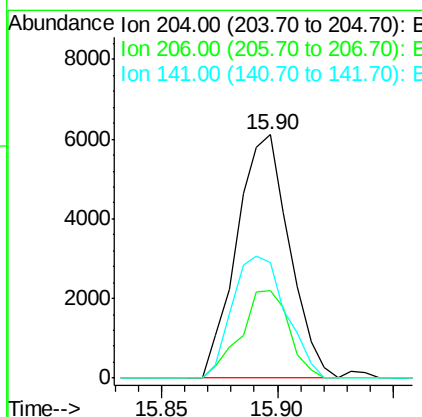
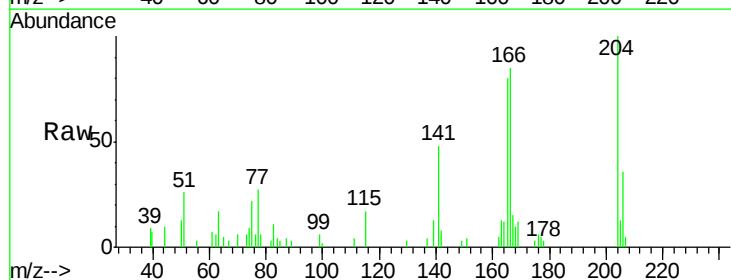
Instrument :
BNA_G
ClientSampleId :

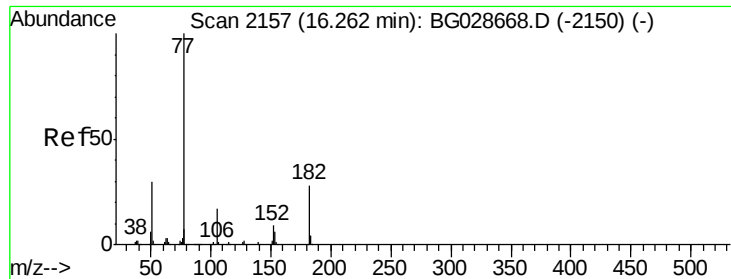
Tot Ion	Ratio	Lower	Upper
149	100		
177	22.7	20.1	30.1
150	12.2	10.2	15.2



#60
4-Chlorophenyl-phenylether
Concen: 2.03 ng
RT: 15.90 min Scan# 2095
Delta R.T. -0.07 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
204	100		
206	36.1	30.1	45.1
141	47.6	50.6	76.0#





#62

Azobenzene

Concen: 2.03 ng

RT: 16.18 min Scan# 2144

Delta R.T. -0.08 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 77 Resp: 14785

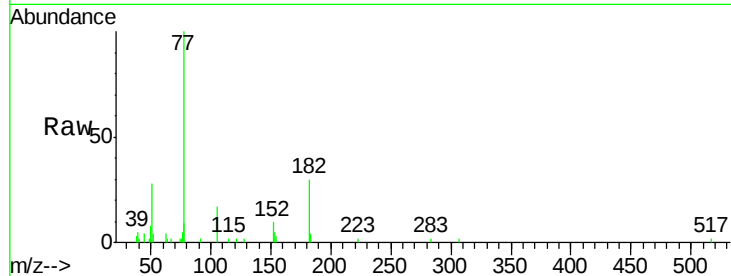
Ion Ratio Lower Upper

77 100

182 29.9 4.7 44.7

105 16.7 0.0 36.3

51 28.0 16.4 56.4

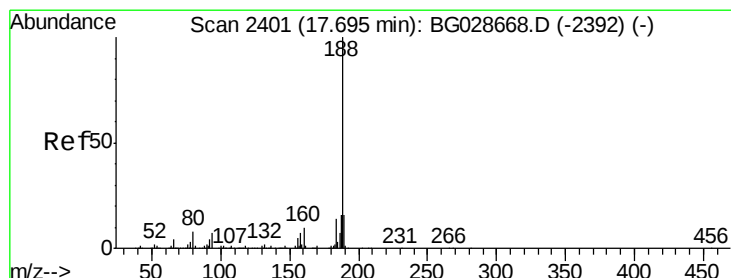
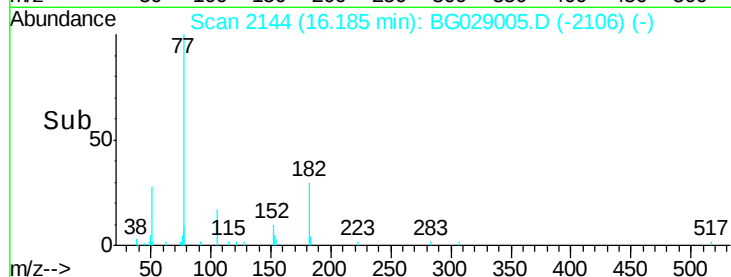
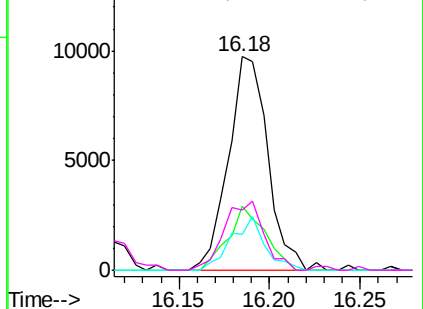


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.61 min Scan# 2387

Delta R.T. -0.08 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

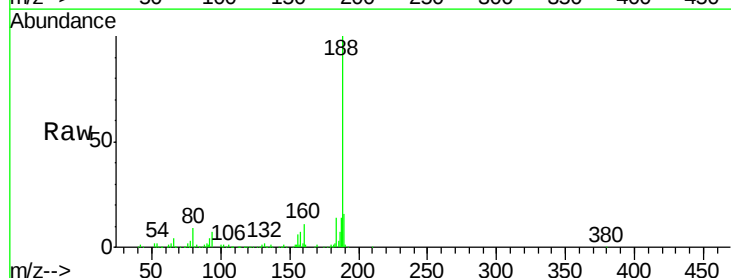
Tgt Ion: 188 Resp: 258658

Ion Ratio Lower Upper

188 100

94 6.9 5.8 8.8

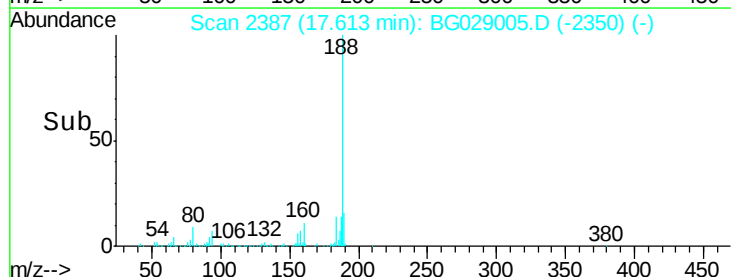
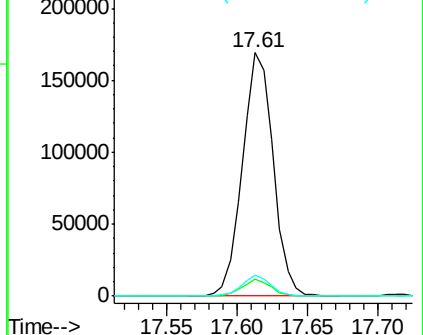
80 8.5 7.5 11.3

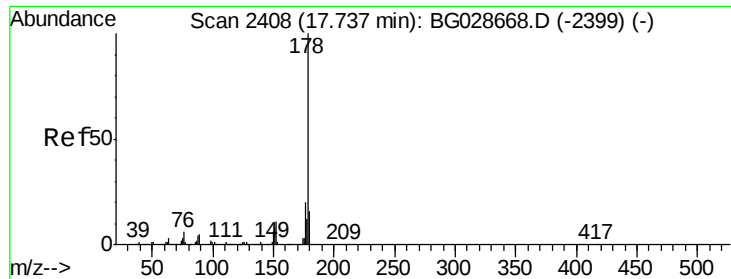


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 2.21 ng

RT: 17.66 min Scan# 2395

Delta R.T. -0.08 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

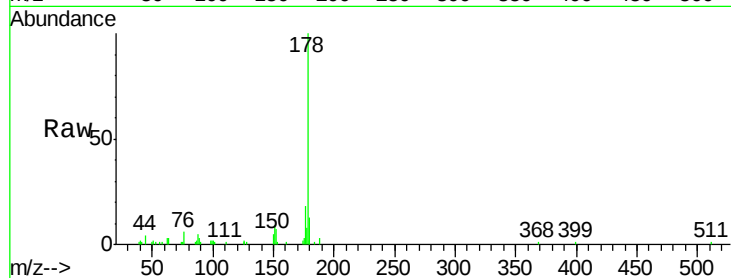
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 29219

Ion	Ratio	Lower	Upper
178	100		
176	18.1	17.7	26.5
179	12.8	15.0	22.6

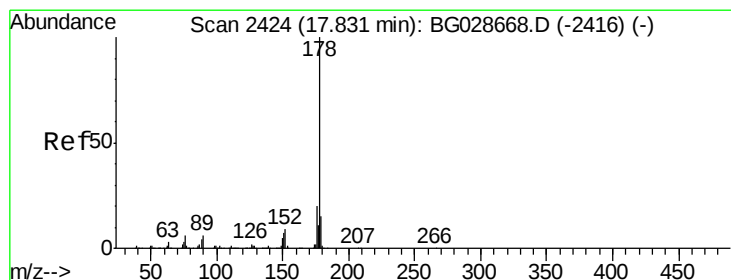
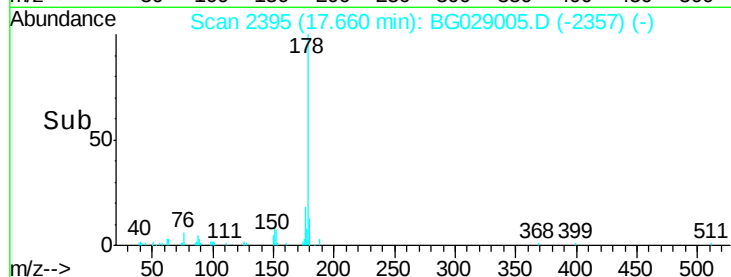
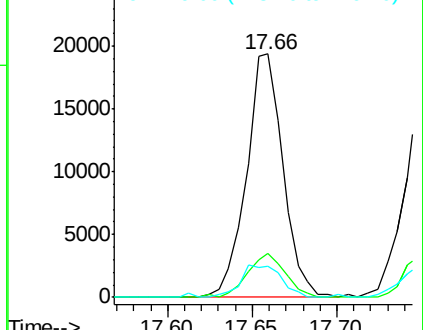


Abundance

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: 2.03 ng

RT: 17.75 min Scan# 2411

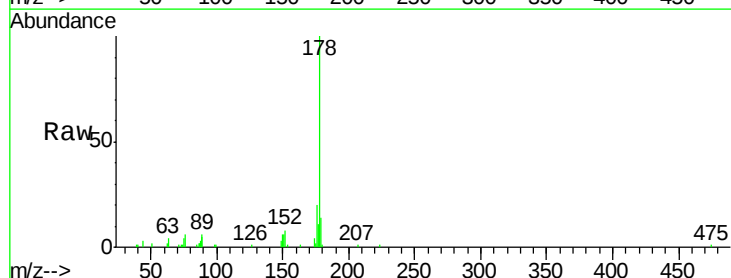
Delta R.T. -0.08 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

Tgt Ion:178 Resp: 27101

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.4	24.6
179	14.3	13.8	20.8

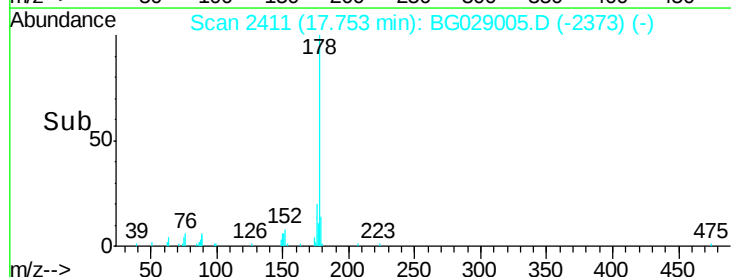
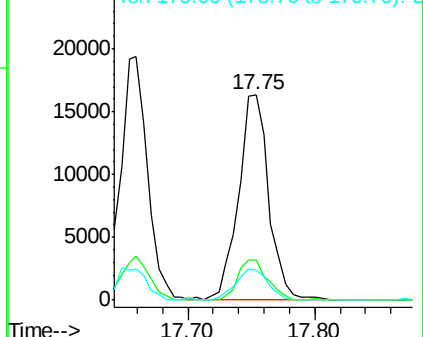


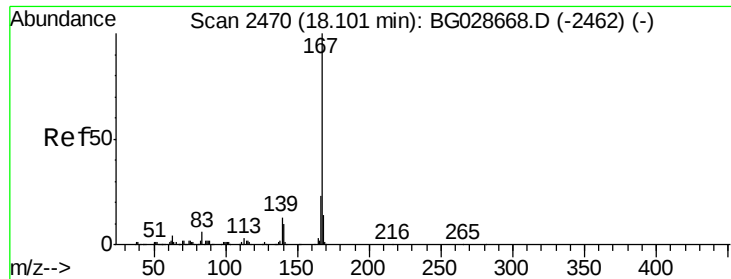
Abundance

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: 2.05 ng

RT: 18.02 min Scan# 2457

Delta R.T. -0.08 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

Instrument :

BNA_G

ClientSampleId :

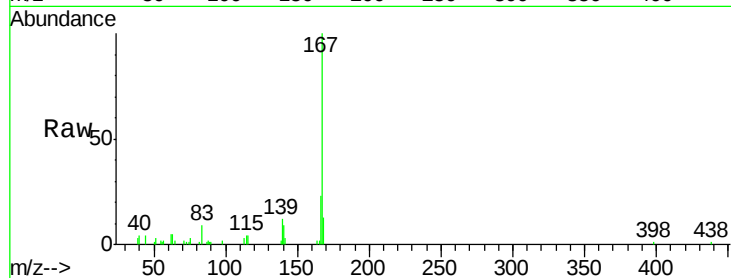
Tot Ion:167 Resp: 24719

Ion Ratio Lower Upper

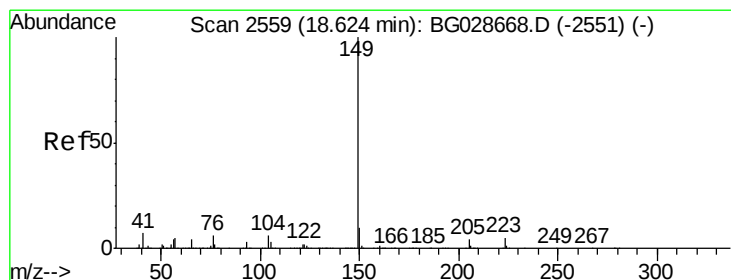
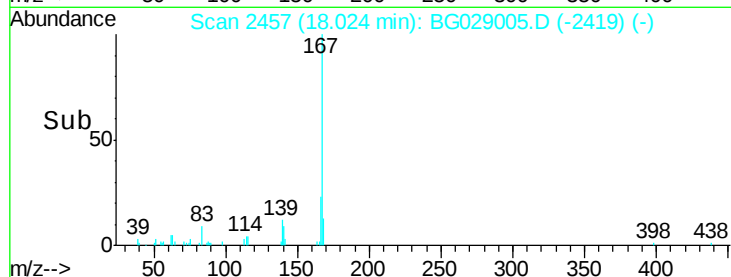
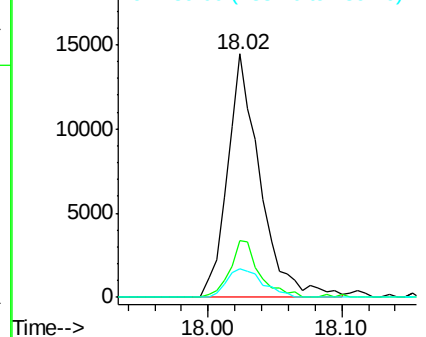
167 100

166 23.4 20.2 30.2

139 11.9 12.8 19.2#



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



#73

Di-n-butylphthalate

Concen: 2.10 ng

RT: 18.55 min Scan# 2546

Delta R.T. -0.08 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

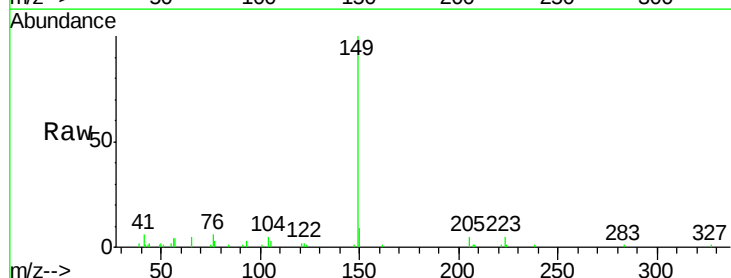
Tgt Ion:149 Resp: 30957

Ion Ratio Lower Upper

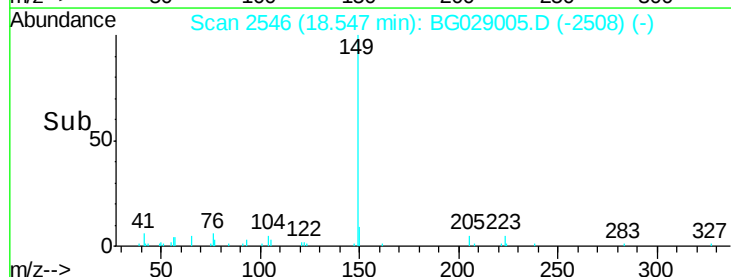
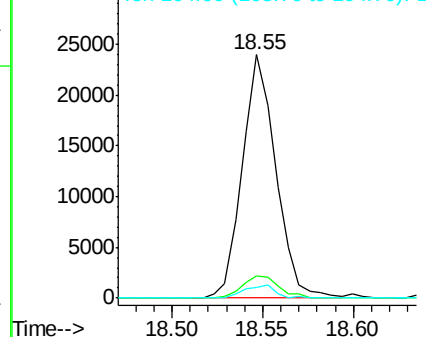
149 100

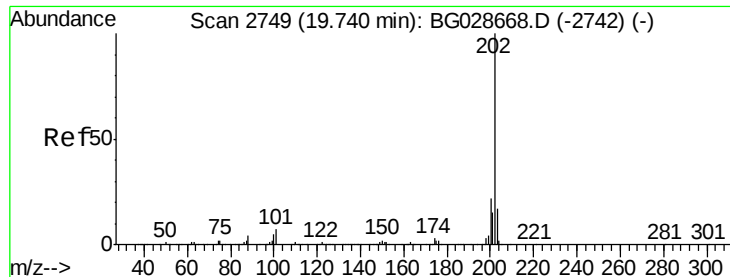
150 9.2 9.1 13.7

104 4.6 6.7 10.1#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 2.16 ng

RT: 19.66 min Scan# 2736

Delta R.T. -0.08 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

Instrument :

BNA_G

ClientSampleId :

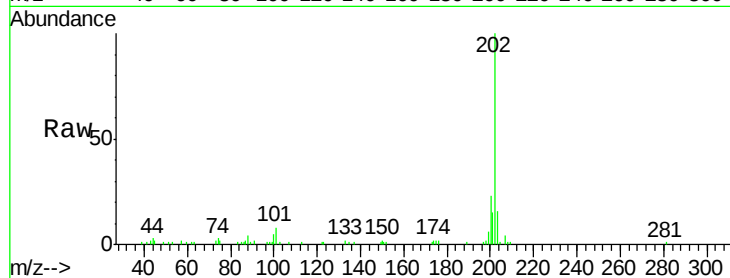
Tot Ion:202 Resp: 34933

Ion Ratio Lower Upper

202 100

101 7.6 0.0 30.1

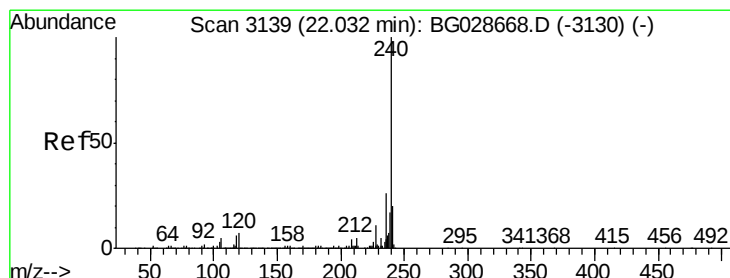
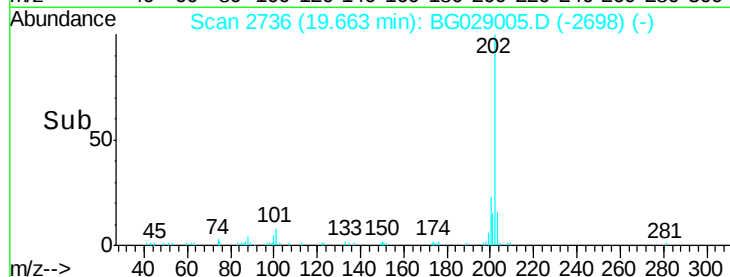
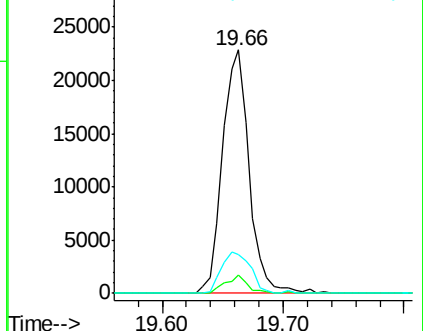
203 16.0 1.3 41.3



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: 20.00 ng

RT: 21.93 min Scan# 3121

Delta R.T. -0.11 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

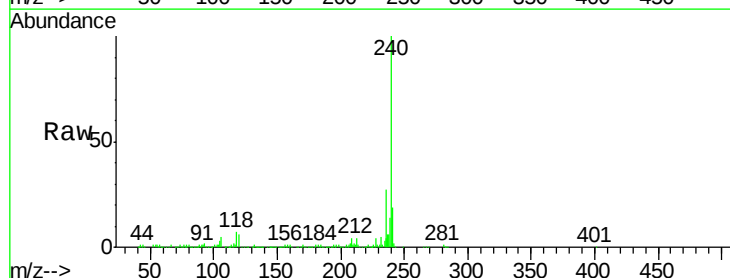
Tgt Ion:240 Resp: 291466

Ion Ratio Lower Upper

240 100

120 6.2 5.7 8.5

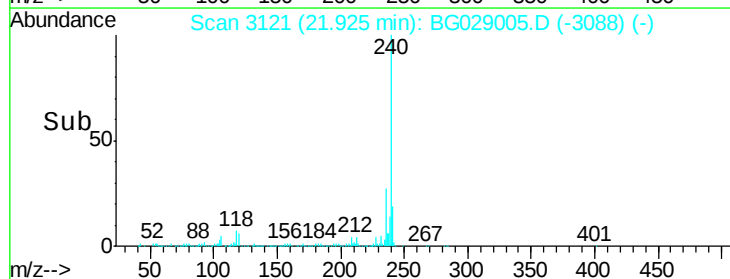
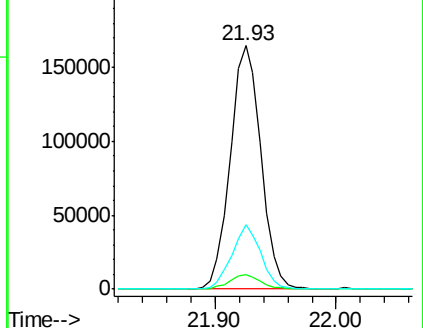
236 26.6 22.2 33.4

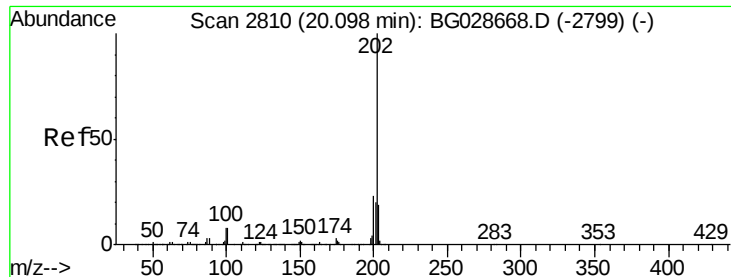


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.25 ng

RT: 20.03 min Scan# 2798

Delta R.T. -0.07 min

Lab File: BG029005.D

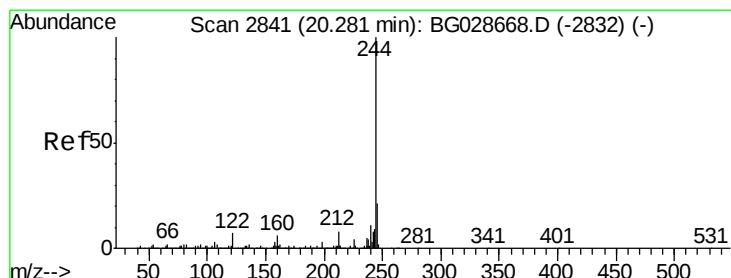
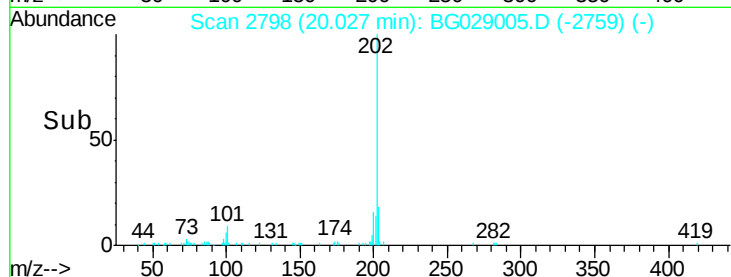
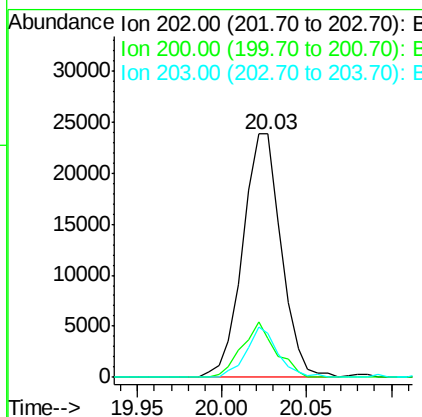
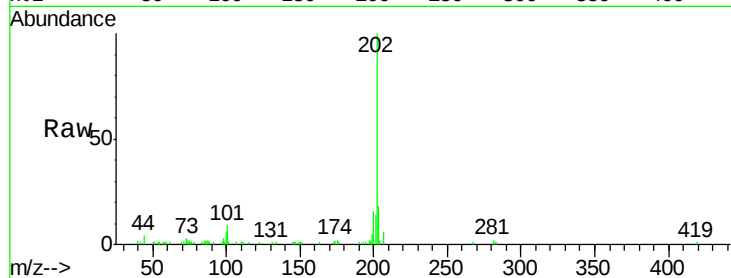
Acq: 3 Oct 2017 14:48

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	37833
Ion	Ratio	Lower	Upper
202	100		
200	16.1	19.6	29.4#
203	17.9	15.8	23.8



#78

Terphenyl-d14

Concen: 80.04 ng

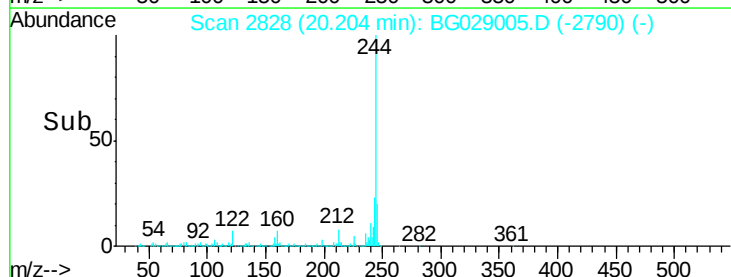
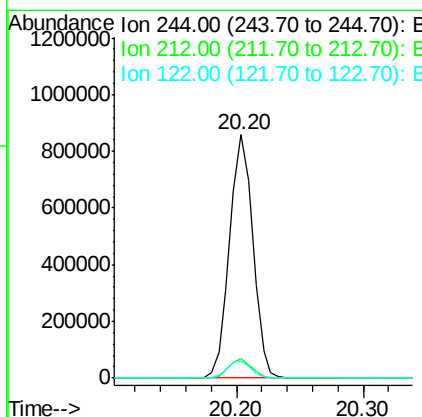
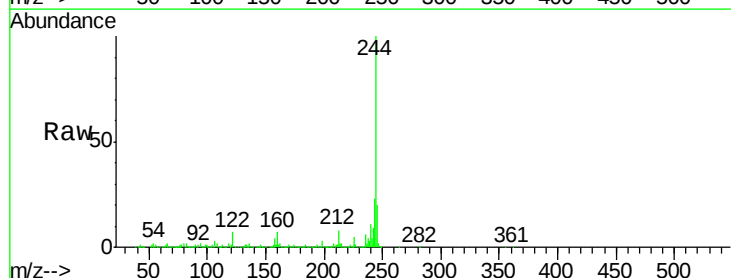
RT: 20.20 min Scan# 2828

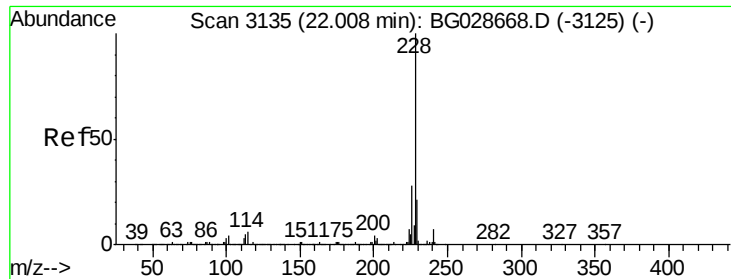
Delta R.T. -0.08 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

Tgt Ion:	244	Resp:	1093944
Ion	Ratio	Lower	Upper
244	100		
212	7.9	10.0	15.0#
122	7.2	8.6	12.8#





#80

Benzo(a)anthracene

Concen: 2.01 ng

RT: 21.97 min Scan# 3129

Delta R.T. -0.04 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

Instrument :

BNA_G

ClientSampleId :

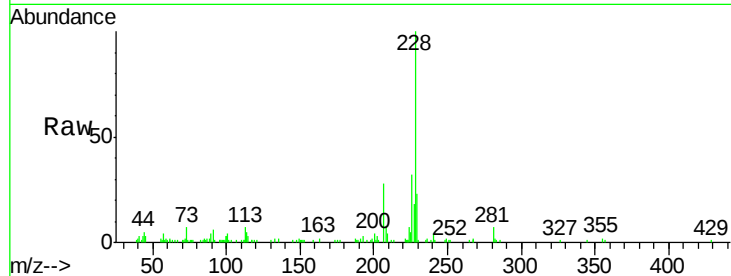
Tot Ion:228 Resp: 35234

Ion Ratio Lower Upper

228 100

226 31.6 24.9 37.3

229 22.6 18.2 27.2

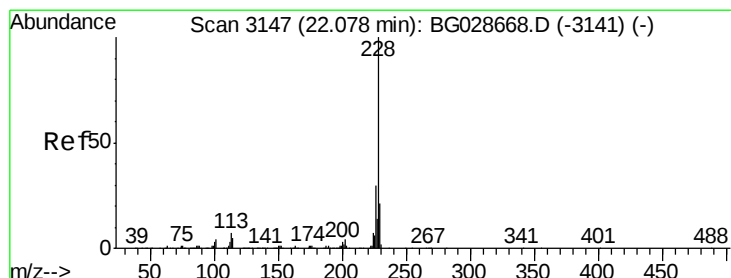
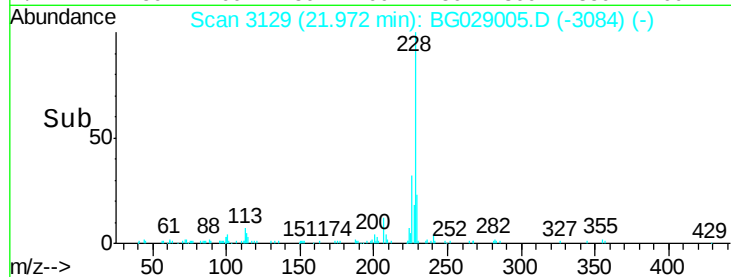
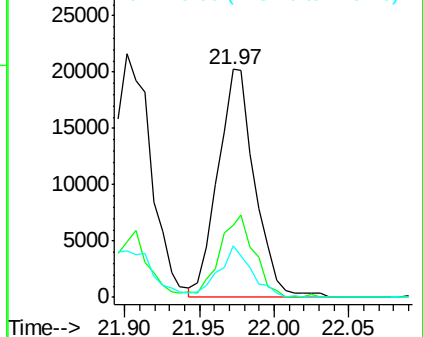


Abundance

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: 2.12 ng

RT: 21.97 min Scan# 3129

Delta R.T. -0.11 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

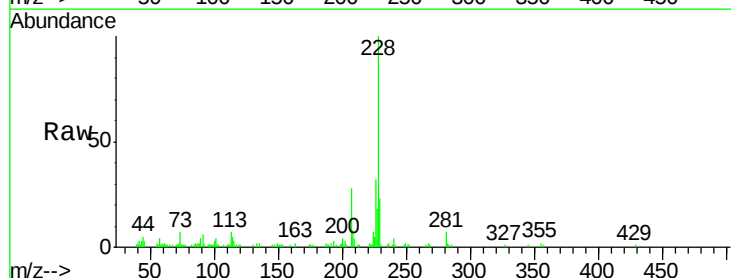
Tgt Ion:228 Resp: 35234

Ion Ratio Lower Upper

228 100

226 31.6 27.0 40.4

229 22.6 17.8 26.6

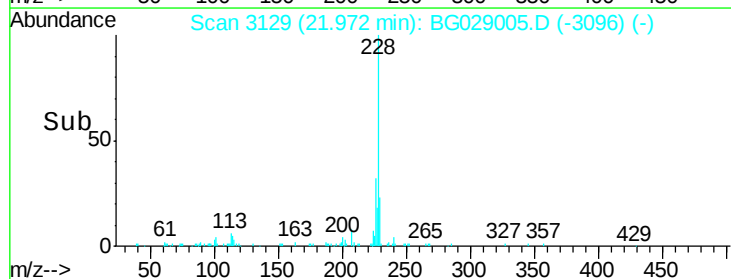
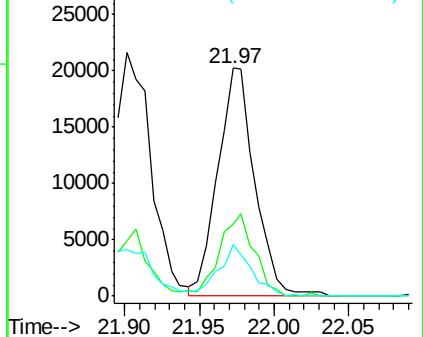


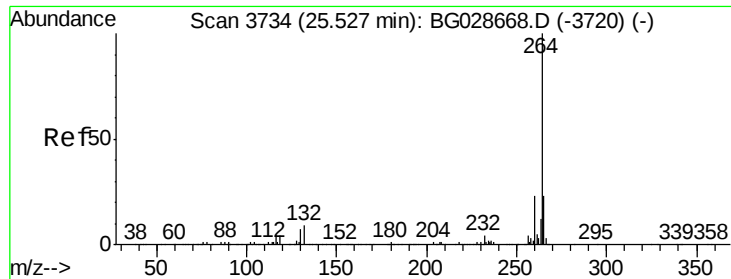
Abundance

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

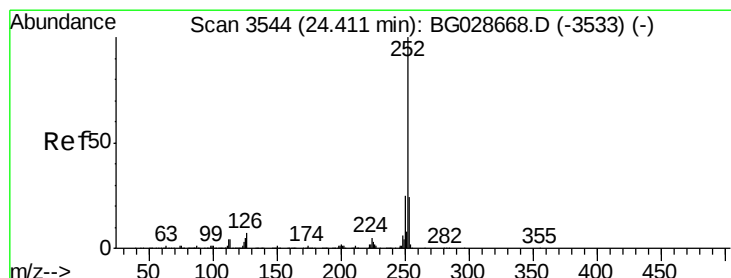
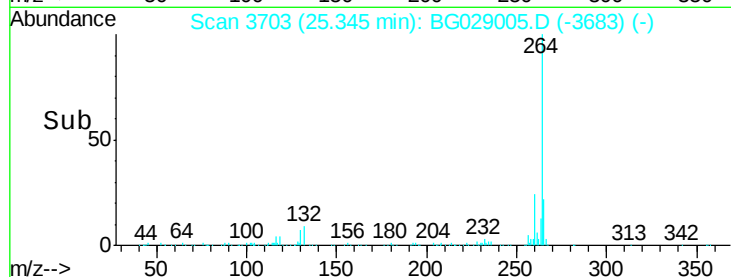
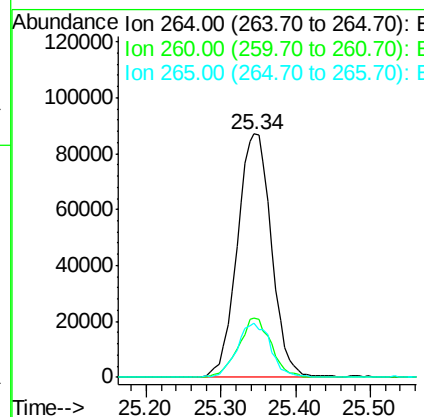
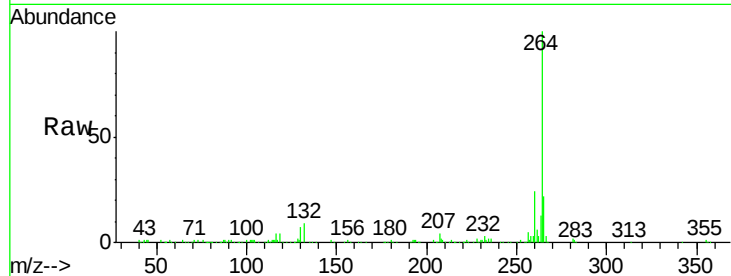




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.34 min Scan# 3703
Delta R.T. -0.18 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

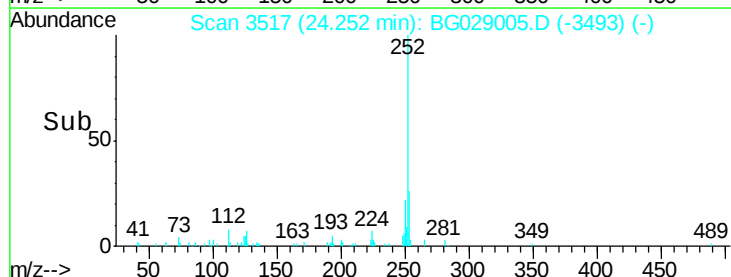
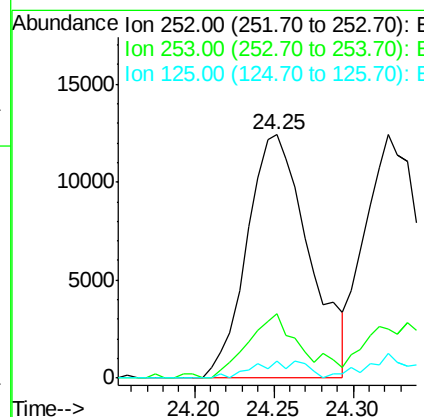
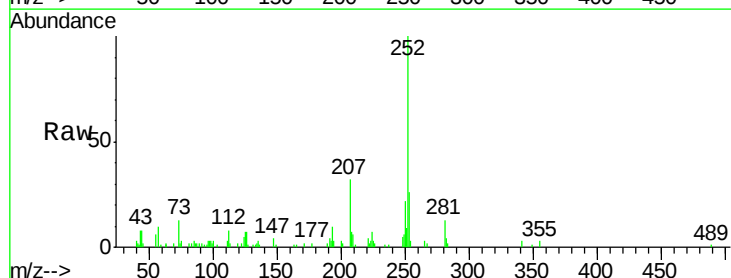
Instrument :
BNA_G
ClientSampleId :

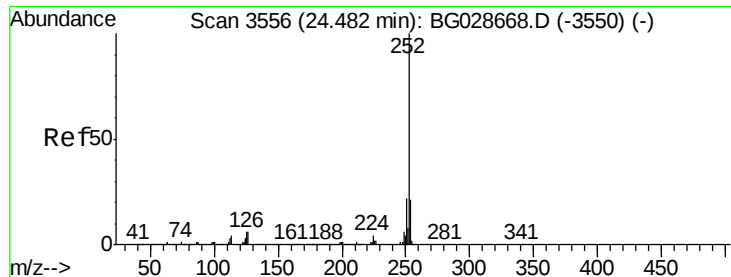
Tot Ion:264 Resp: 276232
Ion Ratio Lower Upper
264 100
260 24.3 21.8 32.8
265 22.5 18.2 27.4



#87
Benzo(b)fluoranthene
Concen: 2.04 ng
RT: 24.25 min Scan# 3517
Delta R.T. -0.16 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

Tgt Ion:252 Resp: 33698
Ion Ratio Lower Upper
252 100
253 26.4 18.7 28.1
125 6.8 5.3 7.9

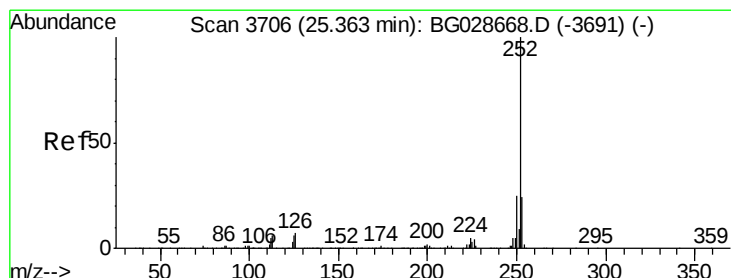
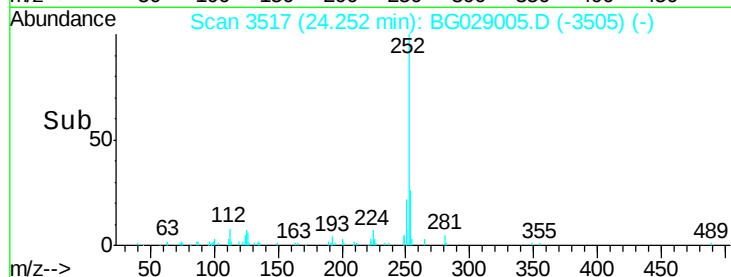
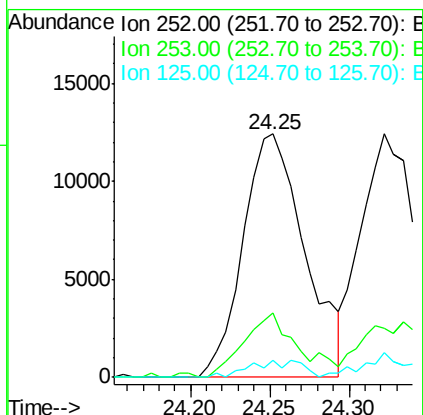
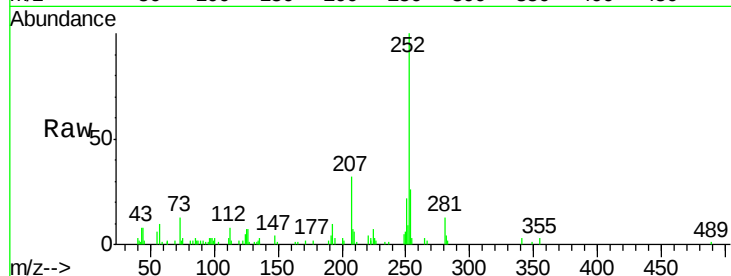




#88
Benzo(k)fluoranthene
Concen: 2.04 ng
RT: 24.25 min Scan# 3517
Delta R.T. -0.23 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:252 Resp: 33698
Ion Ratio Lower Upper
252 100
253 26.4 20.2 30.2
125 6.8 5.1 7.7



#89
Benzo(a)pyrene
Concen: 2.03 ng
RT: 25.19 min Scan# 3677
Delta R.T. -0.17 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

Tgt Ion:252 Resp: 31839
Ion Ratio Lower Upper
252 100
253 21.7 19.2 28.8
125 6.9 5.4 8.0

