

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042815\
 Data File : BG016779.D
 Acq On : 28 Apr 2015 23:40
 Operator : TP/IZ
 Sample : G2003-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-18(40-42)

Quant Time: Apr 29 01:16:51 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 29 00:55:31 2015
 Response via : Initial Calibration

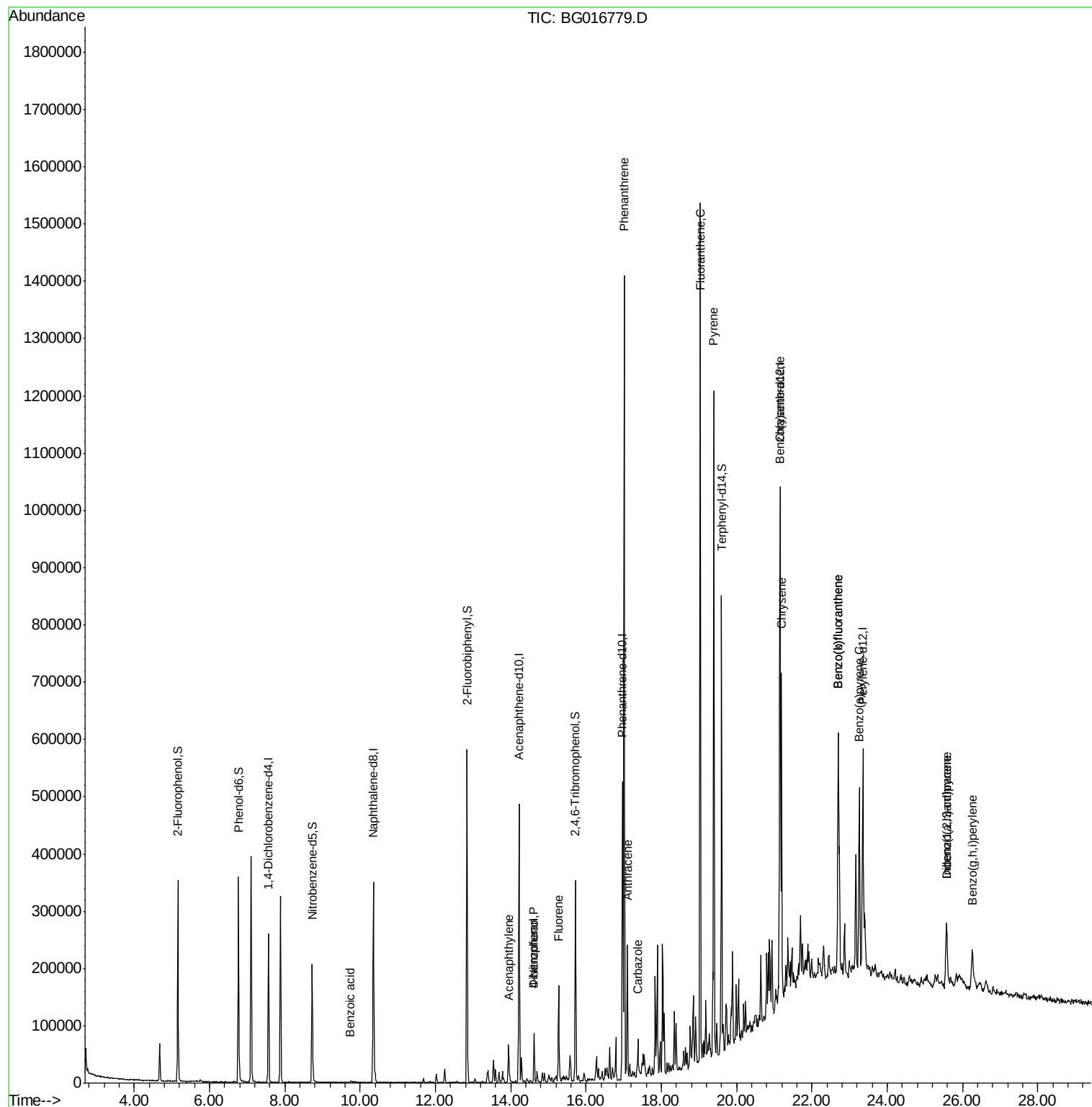
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	72778	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	304050	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	159520	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	293800	20.00	ng	0.00
75) Chrysene-d12	21.16	240	251291	20.00	ng	0.00
86) Perylene-d12	23.36	264	247536	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	186475	41.58	ng	0.00
7) Phenol-d6	6.77	99	256351	40.74	ng	0.00
23) Nitrobenzene-d5	8.73	82	131132	27.25	ng	0.00
41) 2,4,6-Tribromophenol	15.72	330	48563	41.04	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	300565	30.27	ng	0.00
78) Terphenyl-d14	19.60	244	291053	26.68	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.73	122	321	8.96	ng	# 55
48) Acenaphthylene	13.95	152	52786	3.13	ng	99
54) Dibenzofuran	14.62	168	48023	3.36	ng	# 97
55) 4-Nitrophenol	14.62	139	16898	6.37	ng	# 25
57) Fluorene	15.27	166	76248	6.11	ng	96
70) Phenanthrene	17.01	178	772825	45.79	ng	98
71) Anthracene	17.10	178	131407	7.83	ng	99
72) Carbazole	17.38	167	40293	2.40	ng	95
74) Fluoranthene	19.03	202	786533	43.98	ng	98
77) Pyrene	19.40	202	613041	34.73	ng	100
80) Benzo(a)anthracene	21.14	228	310818	20.40	ng	99
82) Chrysene	21.20	228	265693	18.19	ng	98
85) Indeno(1,2,3-cd)pyrene	25.58	276	98260	6.17	ng	91
87) Benzo(b)fluoranthene	22.69	252	291418	19.38	ng	99
88) Benzo(k)fluoranthene	22.69	252	291418	19.86	ng	100
89) Benzo(a)pyrene	23.26	252	197818	13.96	ng	97
90) Dibenzo(a,h)anthracene	25.58	278	28787	2.09	ng	96
91) Benzo(g,h,i)perylene	26.27	276	79158	5.65	ng	96

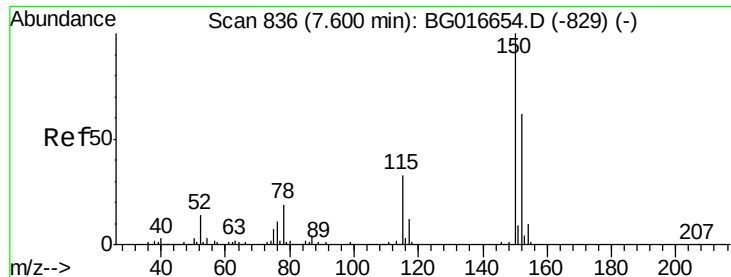
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 29 00:55:31 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 830

Delta R.T. -0.00 min

Lab File: BG016779.D

Acq: 28 Apr 2015 23:40

Instrument :

BNA_G

ClientSampleId :

SB-18(40-42)

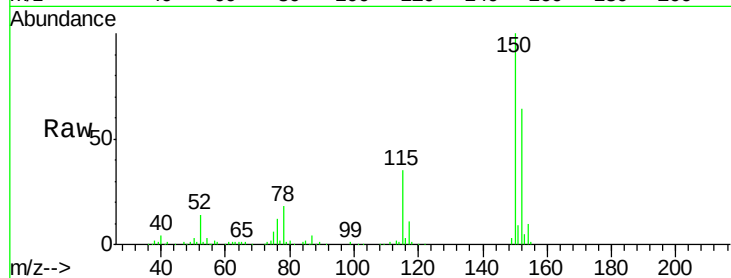
Tgt Ion:152 Resp: 72778

Ion Ratio Lower Upper

152 100

150 157.0 129.6 194.4

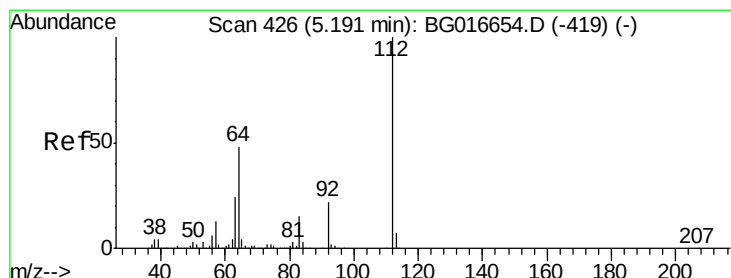
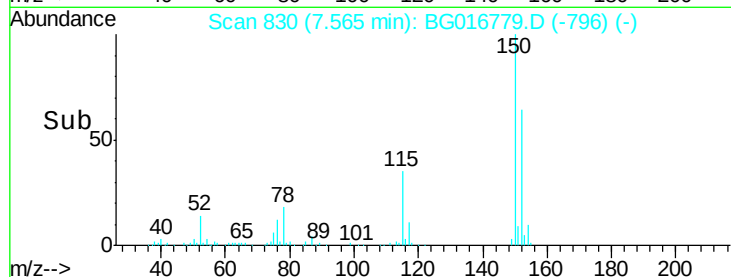
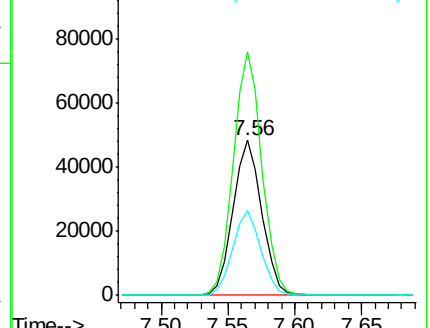
115 55.1 43.0 64.6



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: 41.58 ng

RT: 5.16 min Scan# 420

Delta R.T. -0.00 min

Lab File: BG016779.D

Acq: 28 Apr 2015 23:40

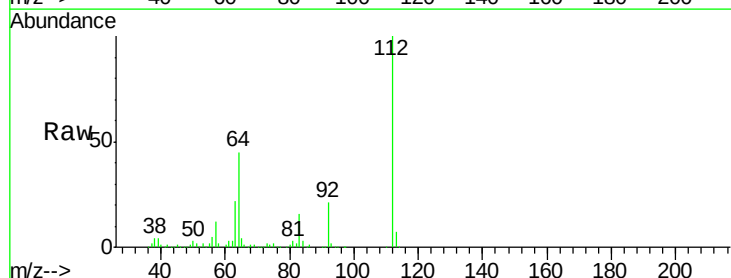
Tgt Ion:112 Resp: 186475

Ion Ratio Lower Upper

112 100

64 44.7 38.3 57.5

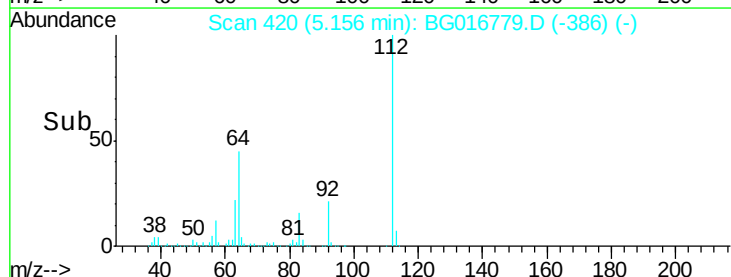
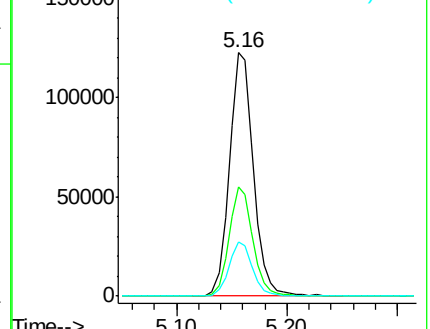
63 22.3 18.9 28.3

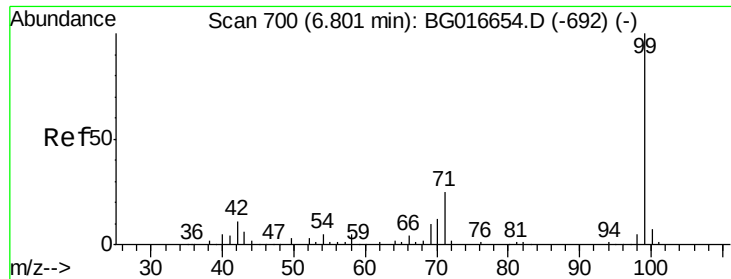


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 40.74 ng

RT: 6.77 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG016779.D

Acq: 28 Apr 2015 23:40

Instrument :

BNA_G

ClientSampleId :

SB-18(40-42)

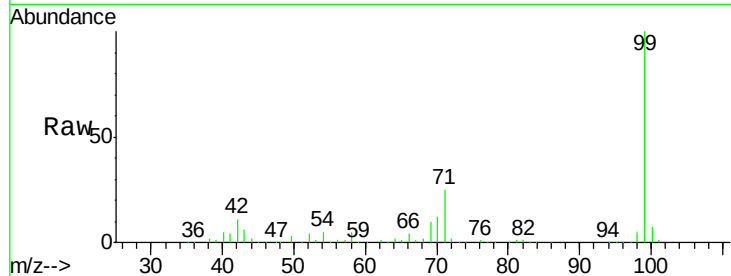
Tgt Ion: 99 Resp: 256351

Ion Ratio Lower Upper

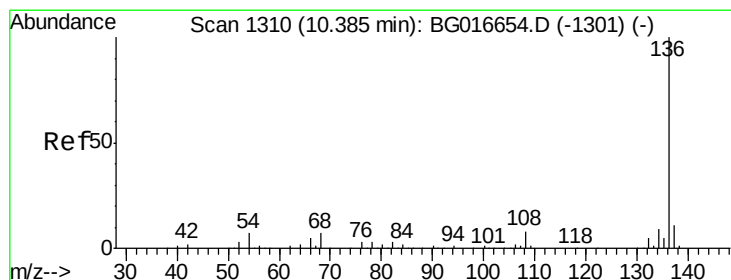
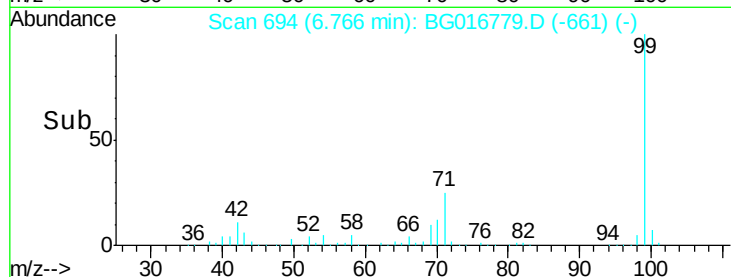
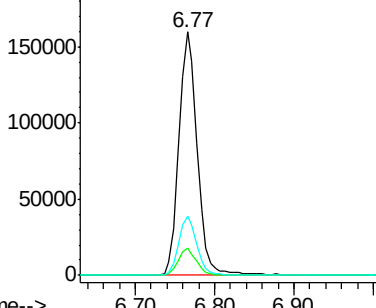
99 100

42 11.1 8.8 13.2

71 24.5 19.9 29.9



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.35 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BG016779.D

Acq: 28 Apr 2015 23:40

Tgt Ion: 136 Resp: 304050

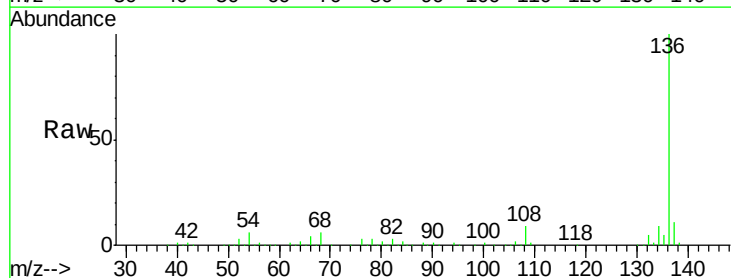
Ion Ratio Lower Upper

136 100

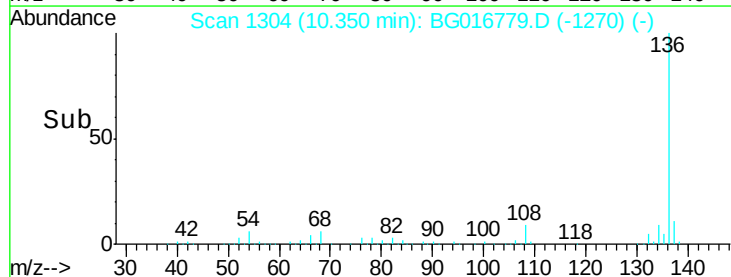
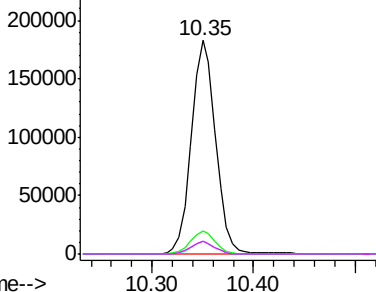
137 11.1 8.5 12.7

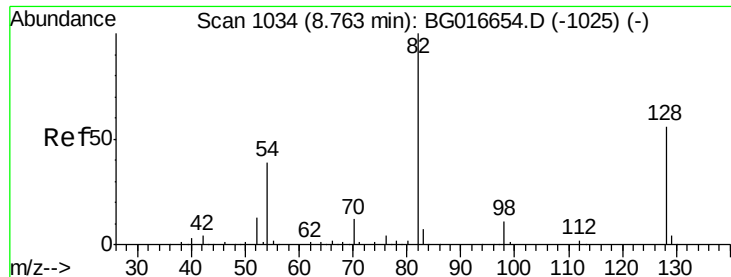
54 5.8 5.4 8.2

68 6.0 5.2 7.8



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

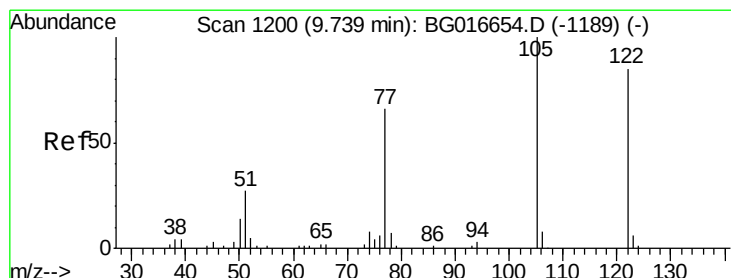
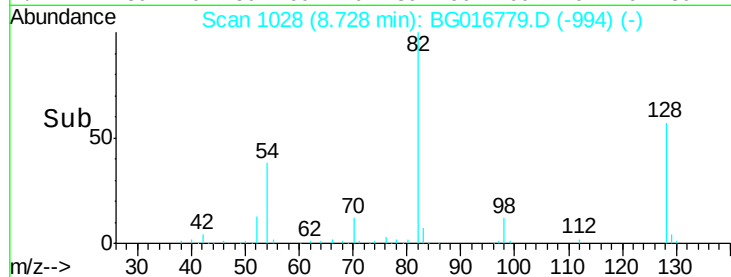
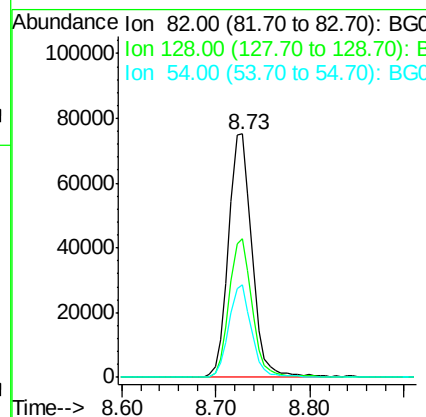
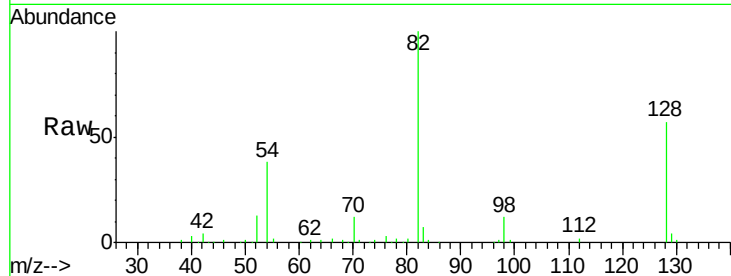




#23
 Nitrobenzene-d5
 Concen: 27.25 ng
 RT: 8.73 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BG016779.D
 Acq: 28 Apr 2015 23:40

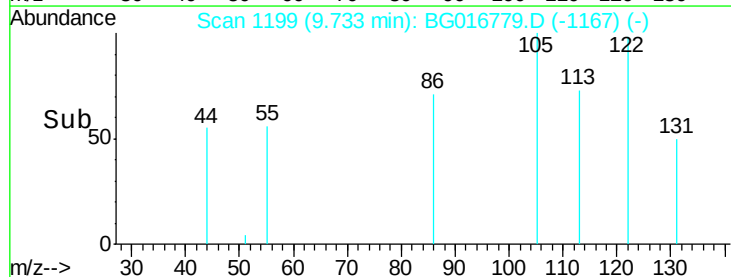
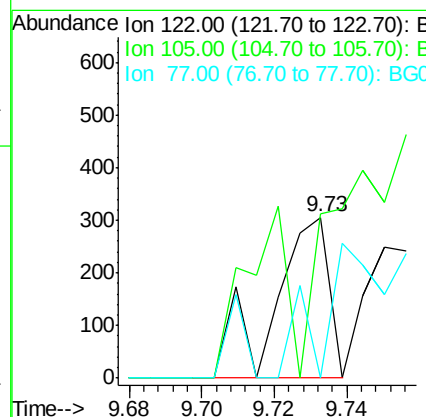
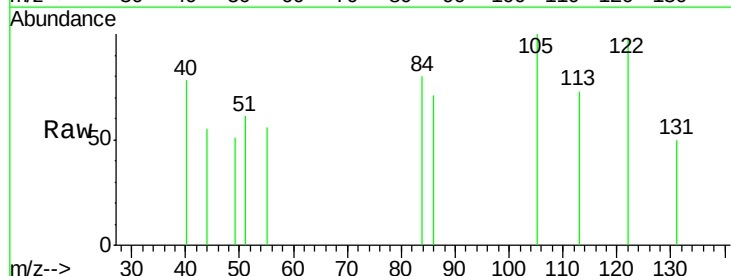
Instrument :
 BNA_G
 ClientSampleId :
 SB-18(40-42)

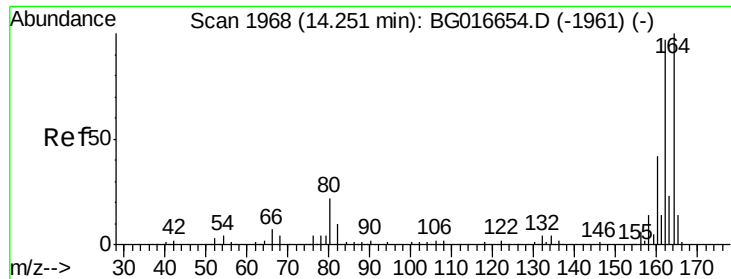
Tgt Ion: 82 Resp: 131132
 Ion Ratio Lower Upper
 82 100
 128 56.7 44.7 67.1
 54 37.8 30.9 46.3



#32
 Benzoic acid
 Concen: 8.96 ng
 RT: 9.73 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BG016779.D
 Acq: 28 Apr 2015 23:40

Tgt Ion: 122 Resp: 321
 Ion Ratio Lower Upper
 122 100
 105 101.6 97.2 137.2
 77 0.0 58.4 98.4#

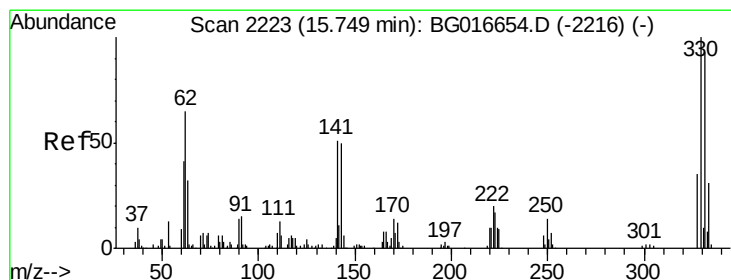
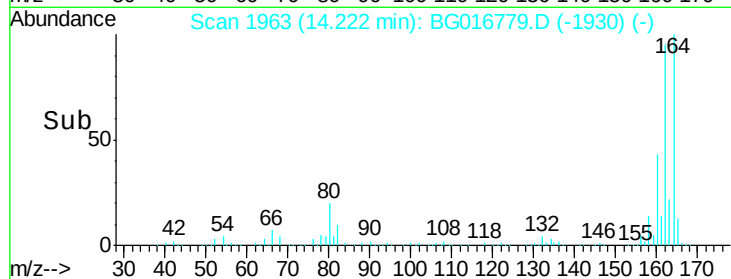
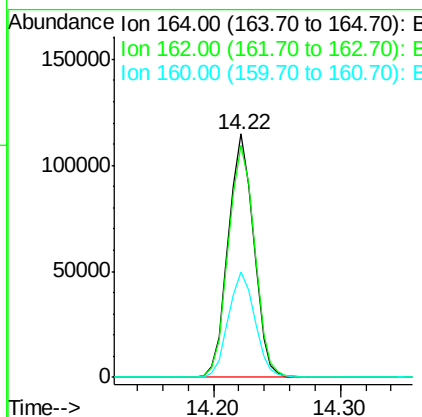
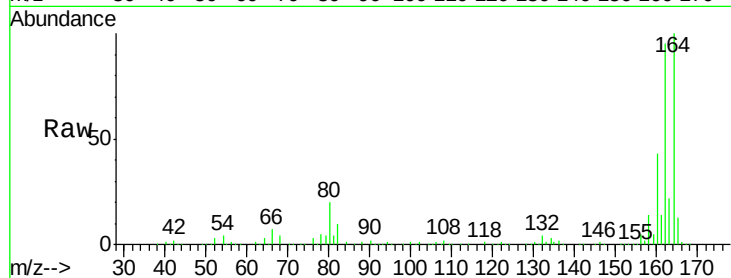




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.22 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BG016779.D
Acq: 28 Apr 2015 23:40

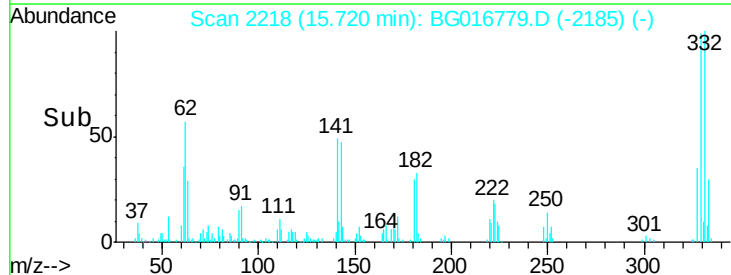
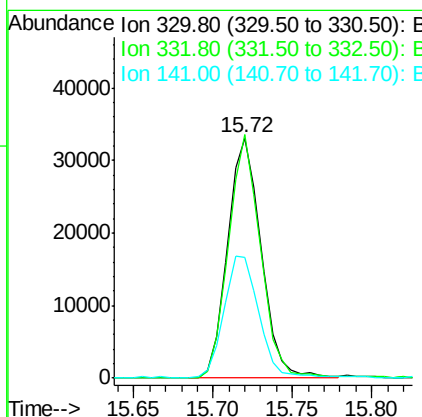
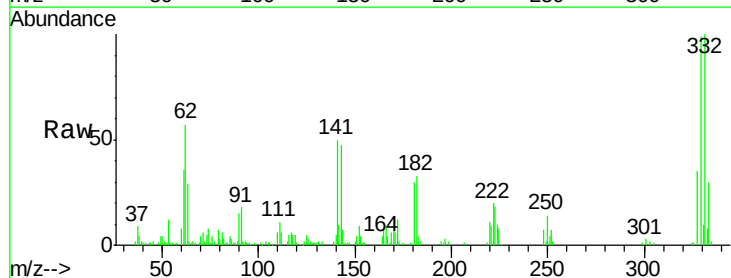
Instrument :
BNA_G
ClientSampleId :
SB-18(40-42)

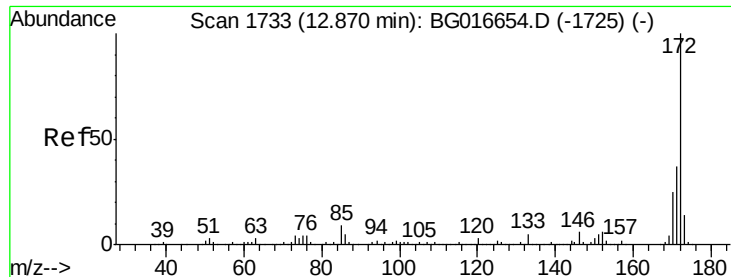
Tgt Ion:164 Resp: 159520
Ion Ratio Lower Upper
164 100
162 95.4 77.3 115.9
160 43.4 33.7 50.5



#41
2,4,6-Tribromophenol
Concen: 41.04 ng
RT: 15.72 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BG016779.D
Acq: 28 Apr 2015 23:40

Tgt Ion:330 Resp: 48563
Ion Ratio Lower Upper
330 100
332 96.8 76.2 114.4
141 52.9 43.0 64.6

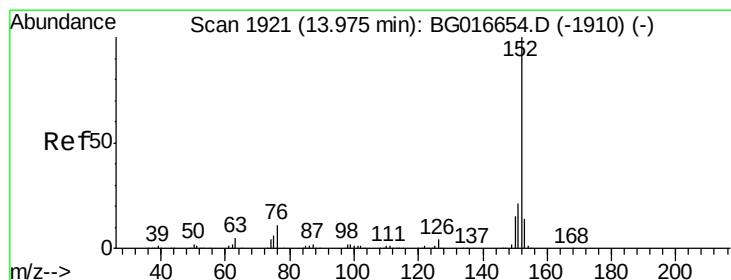
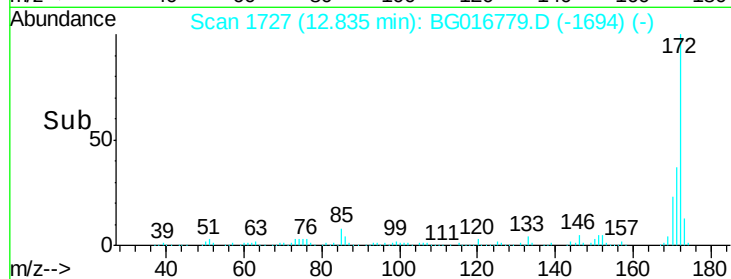
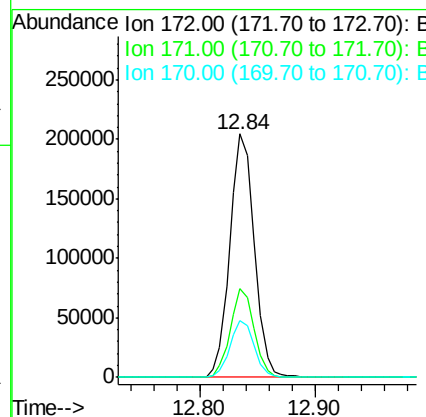
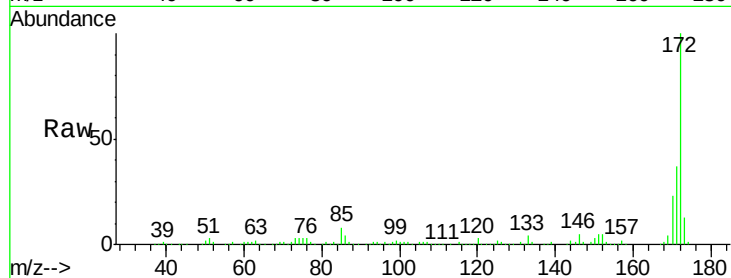




#44
 2-Fluorobiphenyl
 Concen: 30.27 ng
 RT: 12.84 min Scan# 1727
 Delta R.T. -0.01 min
 Lab File: BG016779.D
 Acq: 28 Apr 2015 23:40

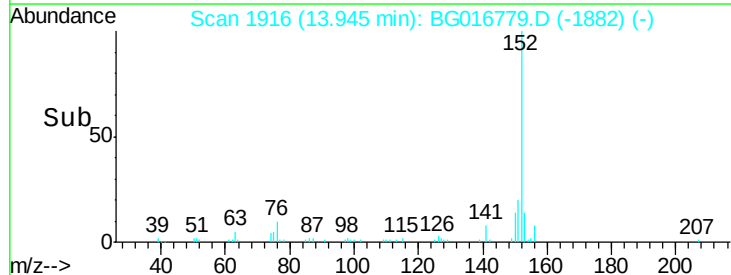
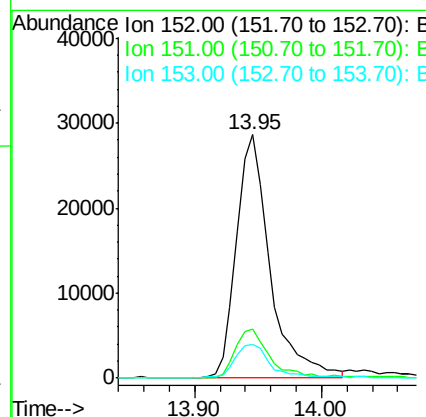
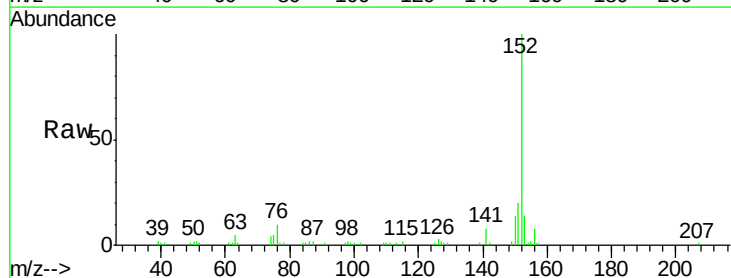
Instrument :
 BNA_G
 ClientSampleId :
 SB-18(40-42)

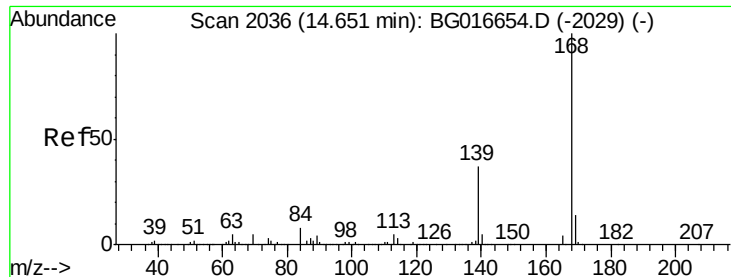
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.9	44.9
170	23.4	19.8	29.8



#48
 Acenaphthylene
 Concen: 3.13 ng
 RT: 13.95 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: BG016779.D
 Acq: 28 Apr 2015 23:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.7	25.1
153	13.9	11.0	16.6





#54

Dibenzenofuran

Concen: 3.36 ng

RT: 14.62 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BG016779.D

Acq: 28 Apr 2015 23:40

Instrument :

BNA_G

ClientSampleId :

SB-18(40-42)

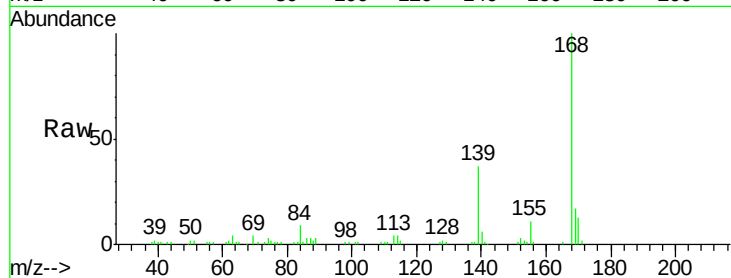
Tgt Ion:168 Resp: 48023

Ion Ratio Lower Upper

168 100

139 36.8 29.8 44.8

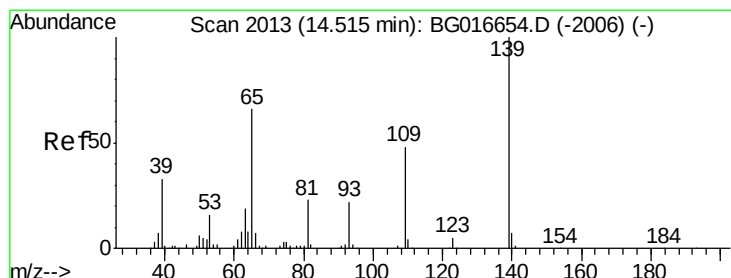
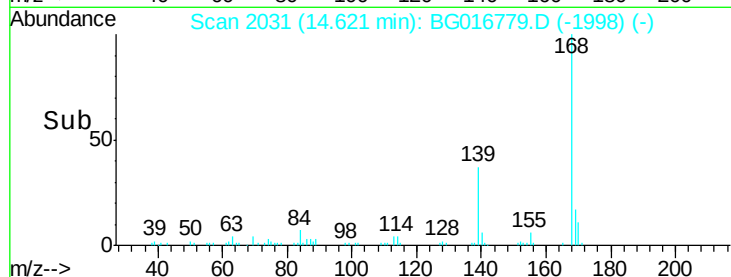
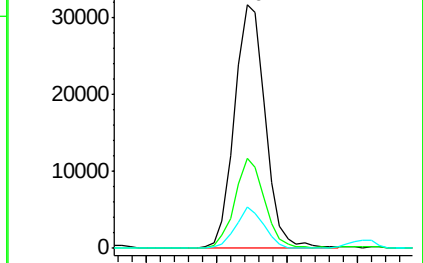
169 16.8 11.0 16.4#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 6.37 ng

RT: 14.62 min Scan# 2031

Delta R.T. 0.13 min

Lab File: BG016779.D

Acq: 28 Apr 2015 23:40

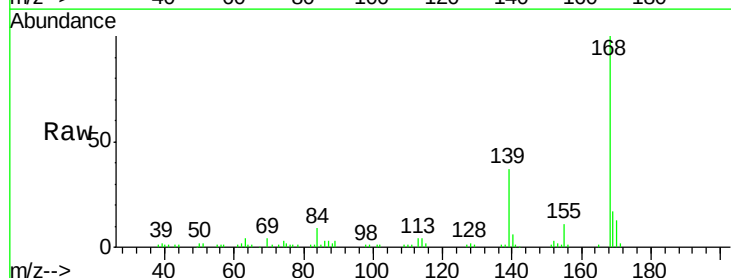
Tgt Ion:139 Resp: 16898

Ion Ratio Lower Upper

139 100

109 1.9 27.8 67.8#

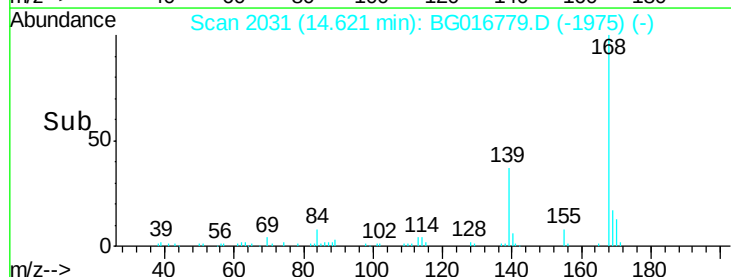
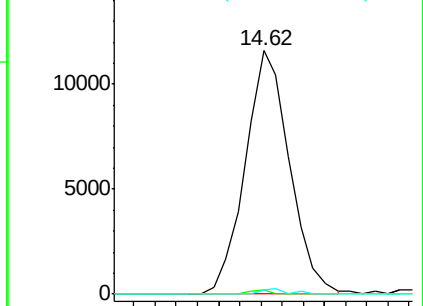
65 2.0 46.3 86.3#

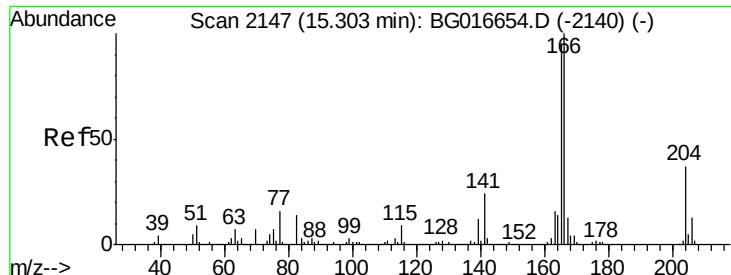


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

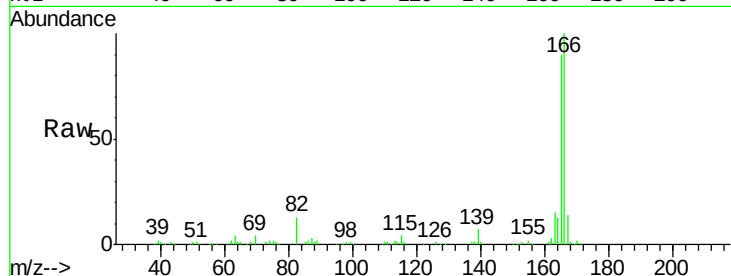




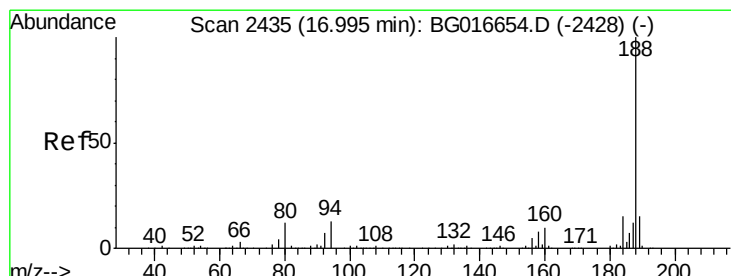
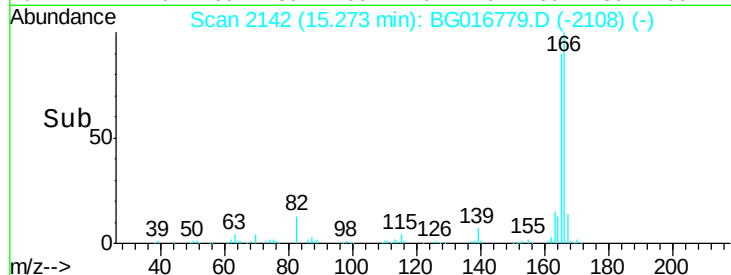
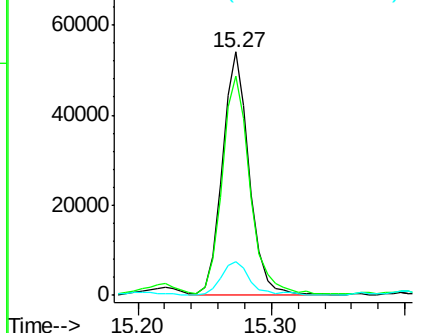
#57
 Fluorene
 Concen: 6.11 ng
 RT: 15.27 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: BG016779.D
 Acq: 28 Apr 2015 23:40

Instrument :
 BNA_G
 ClientSampleId :
 SB-18(40-42)

Tgt Ion:166 Resp: 76248
 Ion Ratio Lower Upper
 166 100
 165 90.3 75.6 113.4
 167 13.6 10.7 16.1

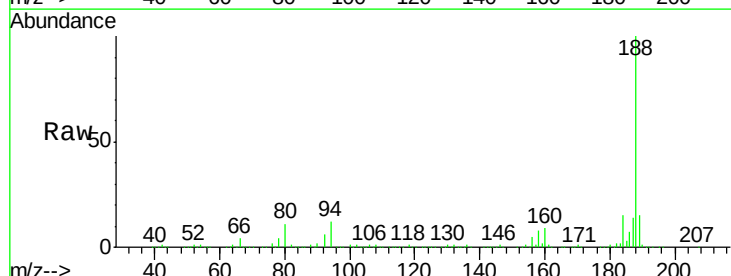


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

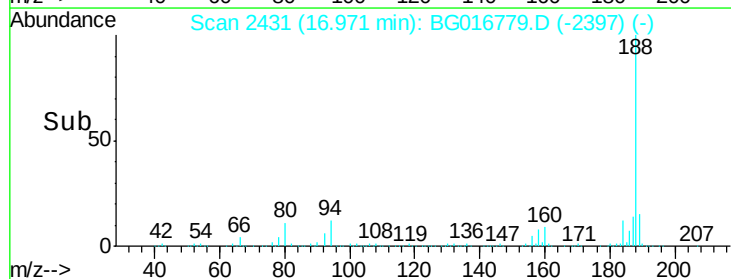
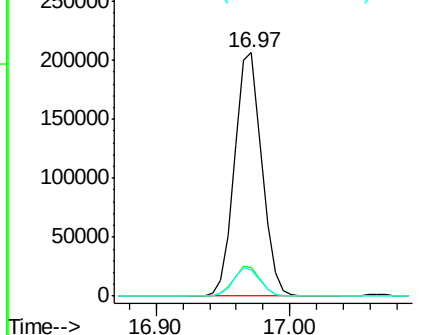


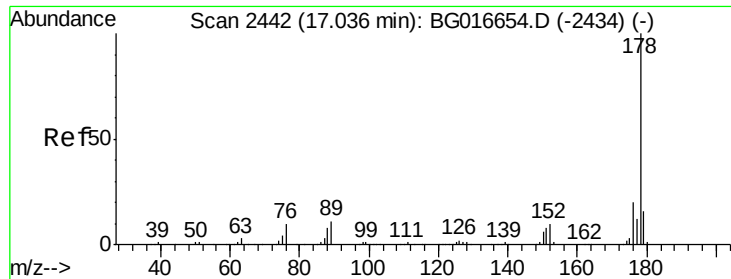
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 16.97 min Scan# 2431
 Delta R.T. -0.00 min
 Lab File: BG016779.D
 Acq: 28 Apr 2015 23:40

Tgt Ion:188 Resp: 293800
 Ion Ratio Lower Upper
 188 100
 94 11.8 10.7 16.1
 80 10.6 9.9 14.9



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

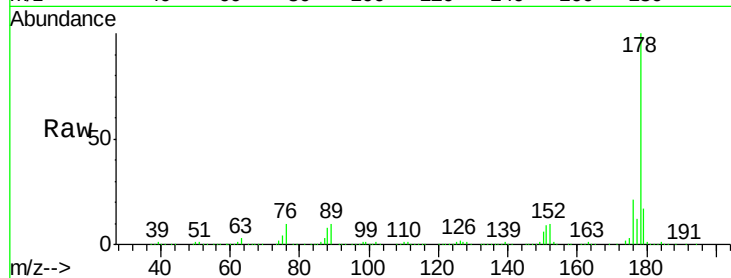




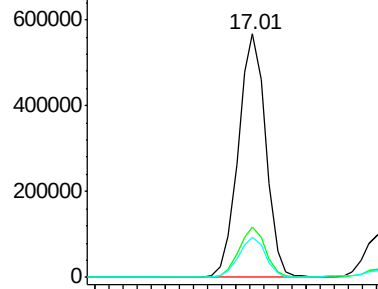
#70
Phenanthrene
Concen: 45.79 ng
RT: 17.01 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BG016779.D
Acq: 28 Apr 2015 23:40

Instrument :
BNA_G
ClientSampleId :
SB-18(40-42)

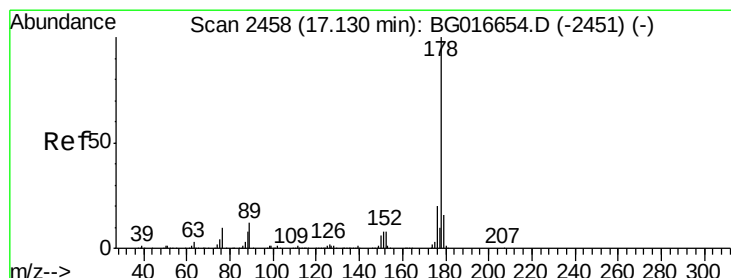
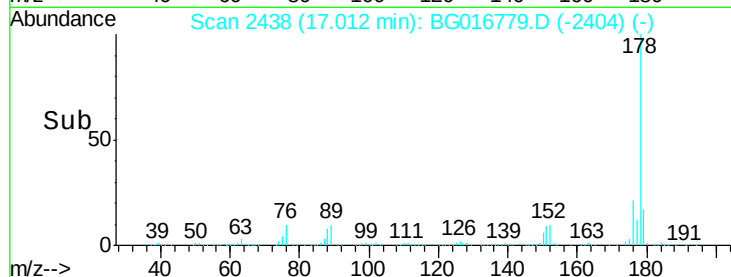
Tgt Ion:178 Resp: 772825
Ion Ratio Lower Upper
178 100
176 20.5 15.8 23.6
179 16.6 12.8 19.2



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

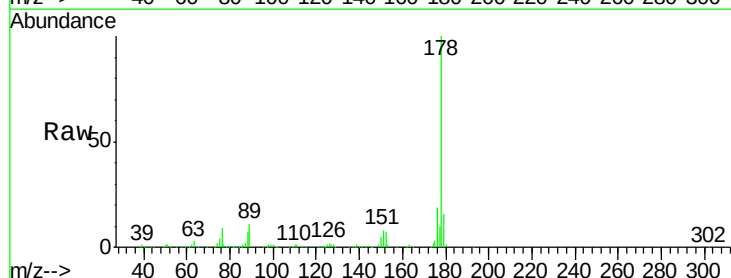


Time--> 16.90 16.95 17.00 17.05

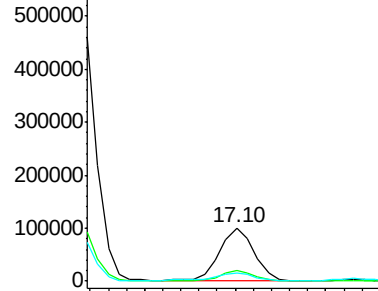


#71
Anthracene
Concen: 7.83 ng
RT: 17.10 min Scan# 2453
Delta R.T. -0.01 min
Lab File: BG016779.D
Acq: 28 Apr 2015 23:40

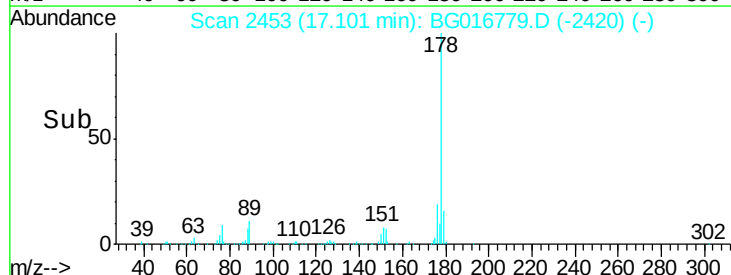
Tgt Ion:178 Resp: 131407
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 16.0 12.9 19.3

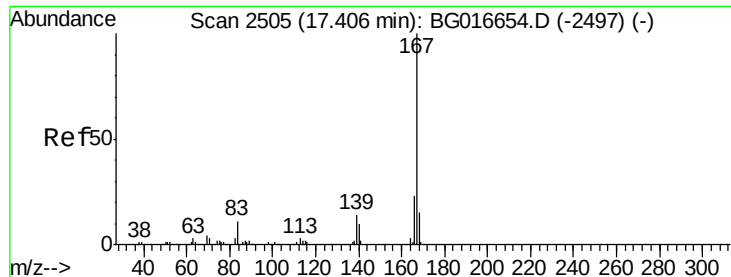


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time--> 17.05 17.10 17.15

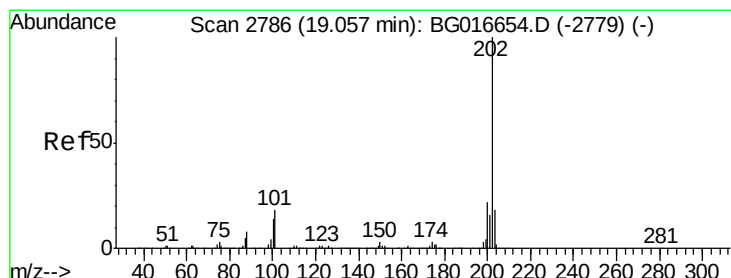
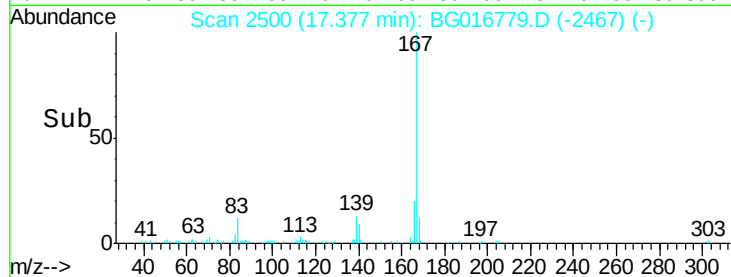
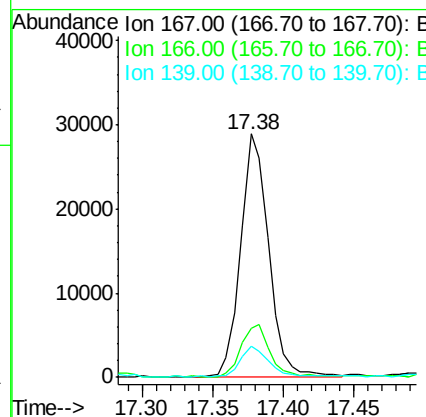
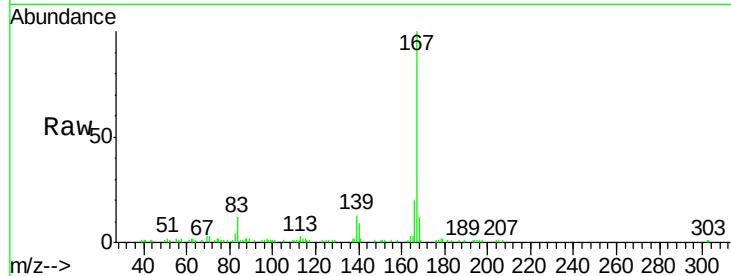




#72
 Carbazole
 Concen: 2.40 ng
 RT: 17.38 min Scan# 2500
 Delta R.T. -0.01 min
 Lab File: BG016779.D
 Acq: 28 Apr 2015 23:40

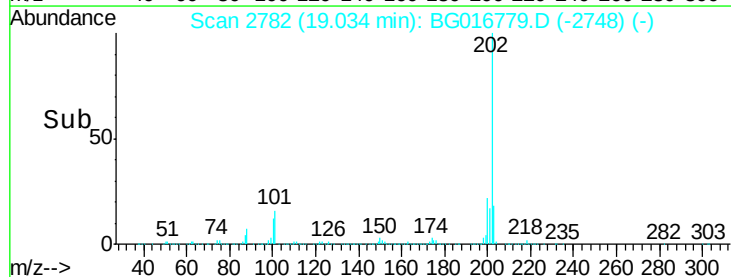
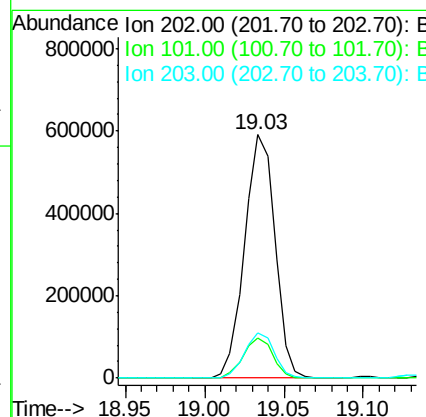
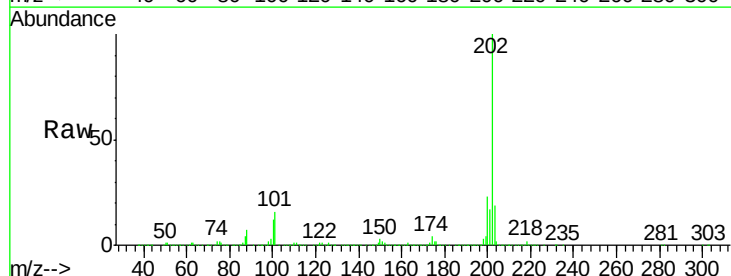
Instrument :
 BNA_G
 ClientSampleId :
 SB-18(40-42)

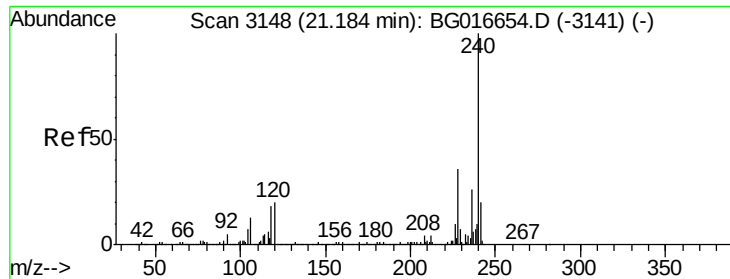
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.1	18.4	27.6
139	12.9	11.1	16.7



#74
 Fluoranthene
 Concen: 43.98 ng
 RT: 19.03 min Scan# 2782
 Delta R.T. -0.00 min
 Lab File: BG016779.D
 Acq: 28 Apr 2015 23:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.5	0.0	38.1
203	18.6	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.16 min Scan# 3144

Delta R.T. -0.00 min

Lab File: BG016779.D

Acq: 28 Apr 2015 23:40

Instrument :

BNA_G

ClientSampleId :

SB-18(40-42)

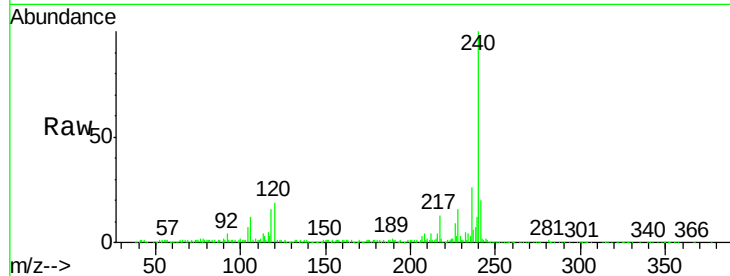
Tgt Ion:240 Resp: 251291

Ion Ratio Lower Upper

240 100

120 19.1 16.3 24.5

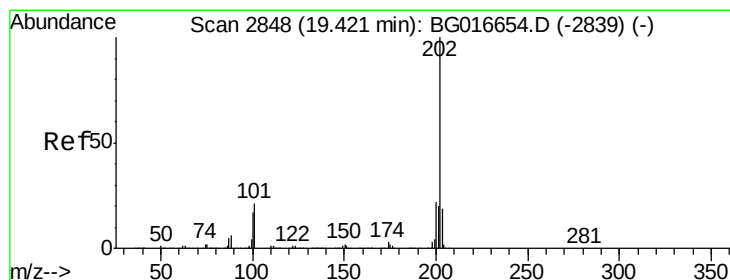
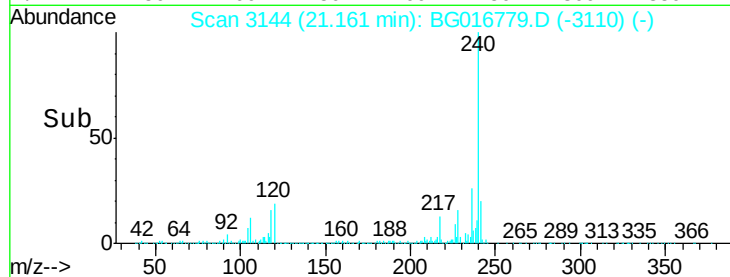
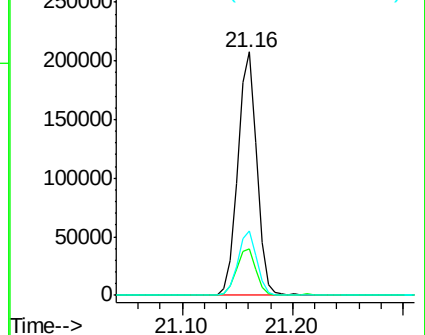
236 26.4 21.1 31.7



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: 34.73 ng

RT: 19.40 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG016779.D

Acq: 28 Apr 2015 23:40

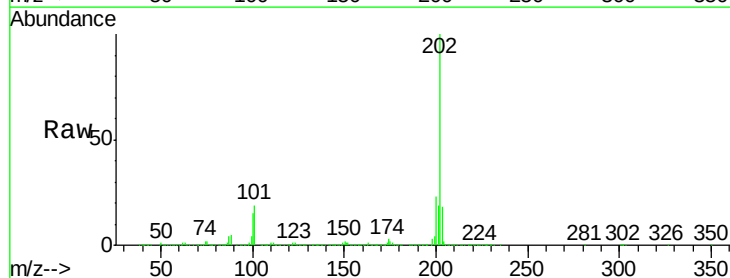
Tgt Ion:202 Resp: 613041

Ion Ratio Lower Upper

202 100

200 22.6 18.0 27.0

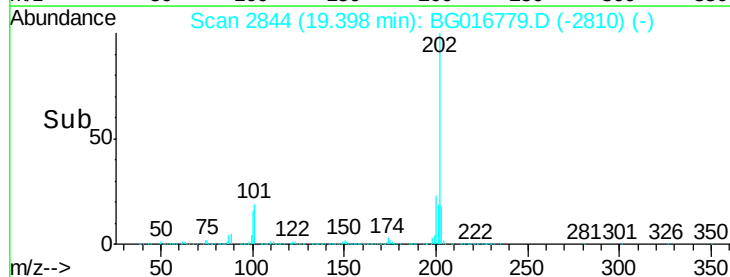
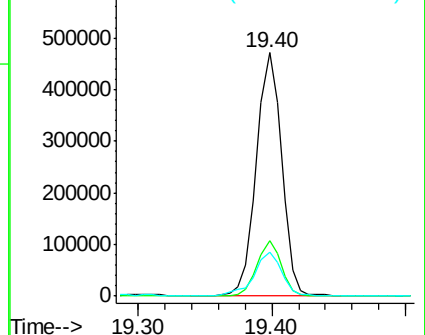
203 18.2 14.9 22.3

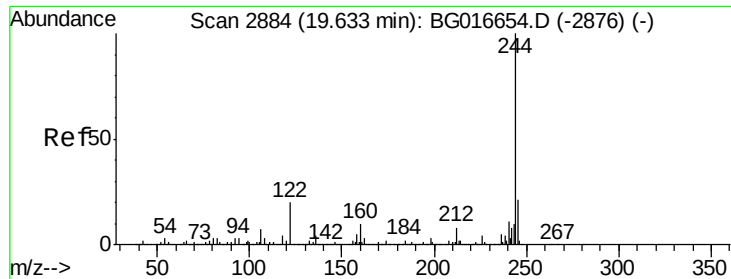


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 26.68 ng

RT: 19.60 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG016779.D

Acq: 28 Apr 2015 23:40

Instrument :

BNA_G

ClientSampleId :

SB-18(40-42)

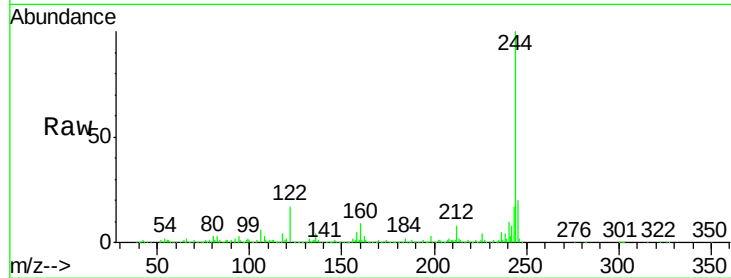
Tgt Ion:244 Resp: 291053

Ion Ratio Lower Upper

244 100

212 7.7 6.4 9.6

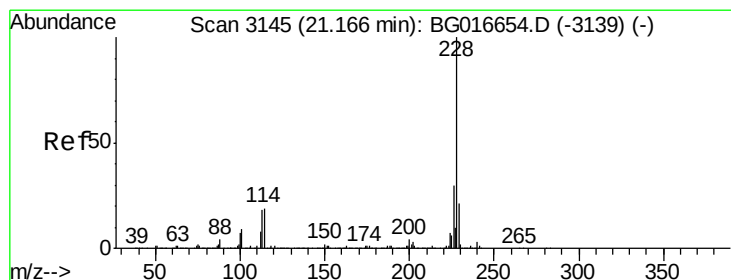
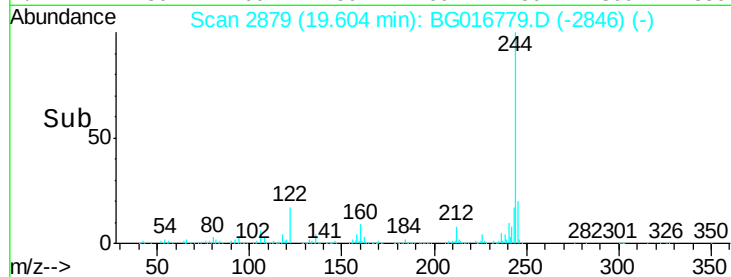
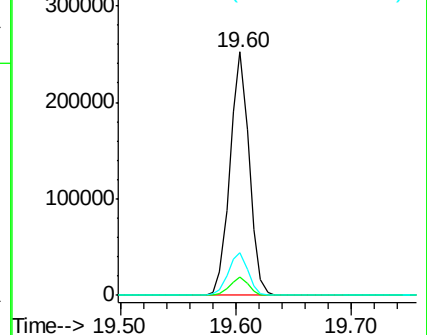
122 17.5 15.9 23.9



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: 20.40 ng

RT: 21.14 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG016779.D

Acq: 28 Apr 2015 23:40

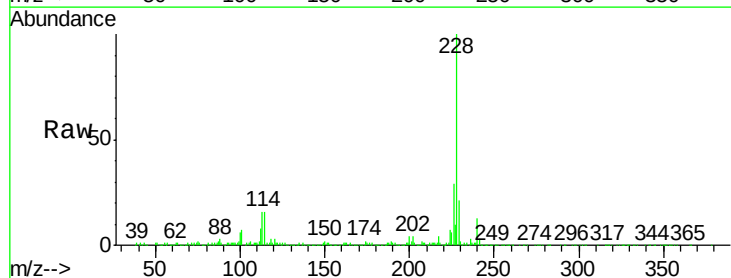
Tgt Ion:228 Resp: 310818

Ion Ratio Lower Upper

228 100

226 28.9 23.8 35.6

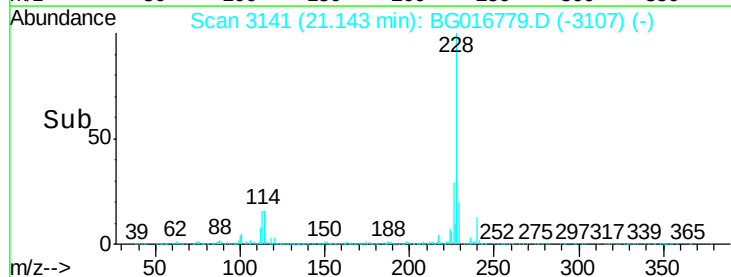
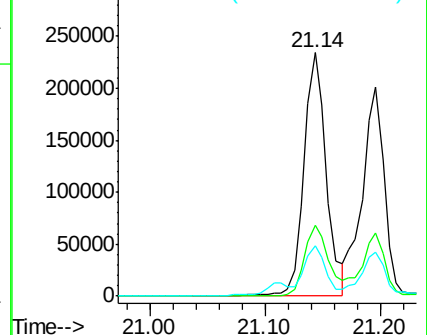
229 20.7 17.0 25.4

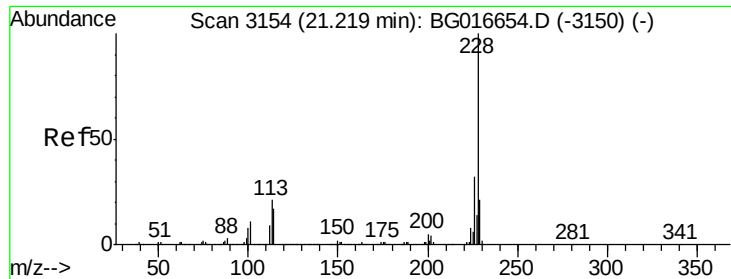


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 18.19 ng

RT: 21.20 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BG016779.D

Acq: 28 Apr 2015 23:40

Instrument :

BNA_G

ClientSampleId :

SB-18(40-42)

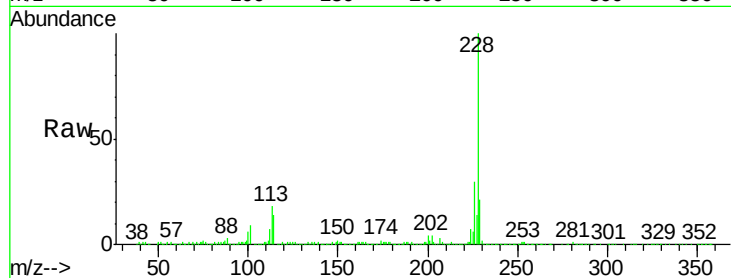
Tgt Ion:228 Resp: 265693

Ion Ratio Lower Upper

228 100

226 30.2 25.4 38.0

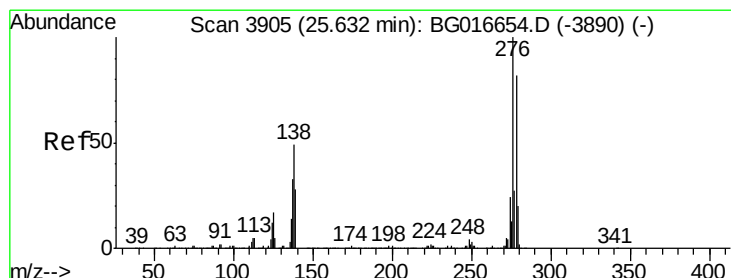
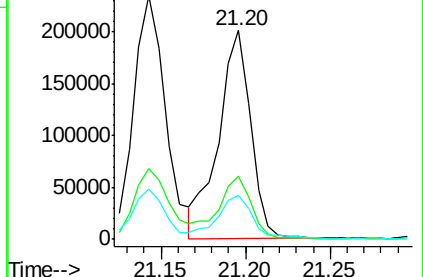
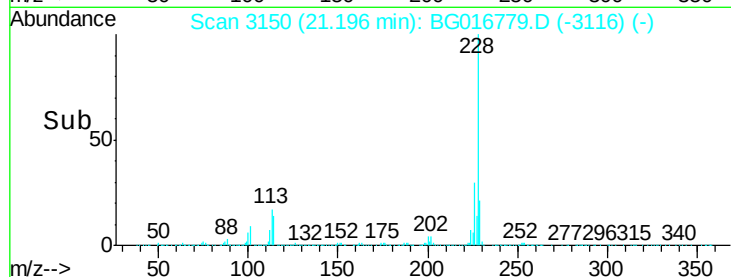
229 21.1 16.5 24.7



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.17 ng

RT: 25.58 min Scan# 3896

Delta R.T. -0.01 min

Lab File: BG016779.D

Acq: 28 Apr 2015 23:40

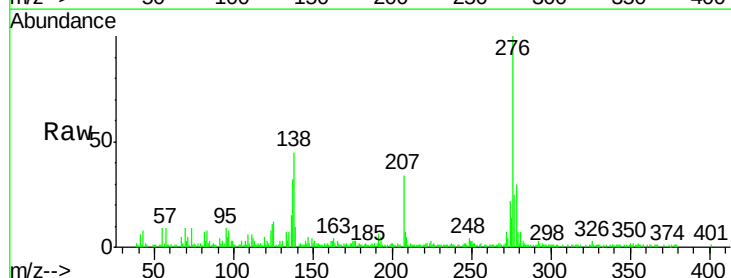
Tgt Ion:276 Resp: 98260

Ion Ratio Lower Upper

276 100

138 39.6 38.2 57.2

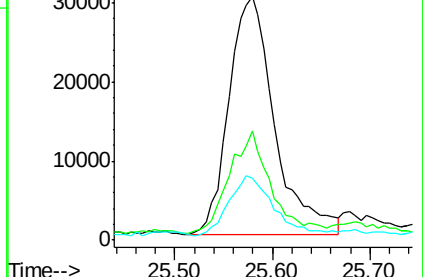
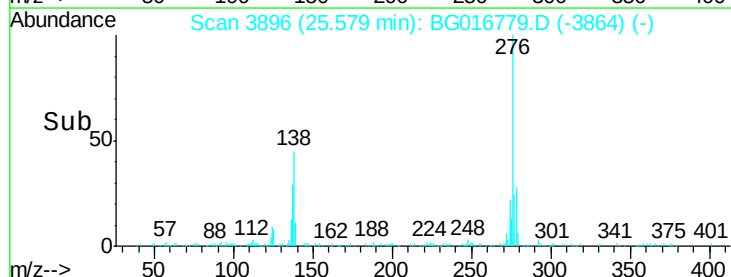
277 24.3 21.4 32.2

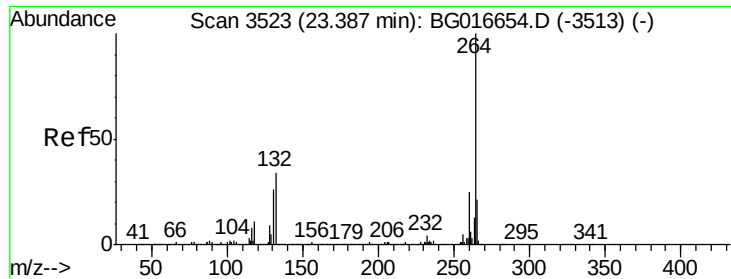


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

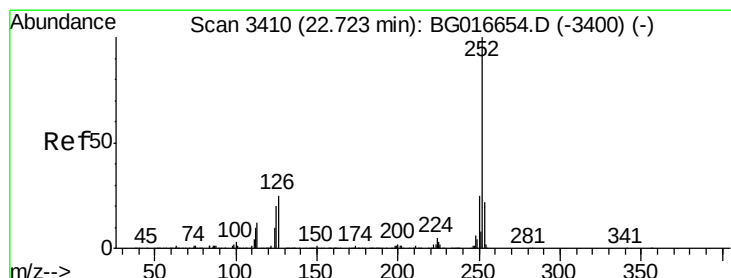
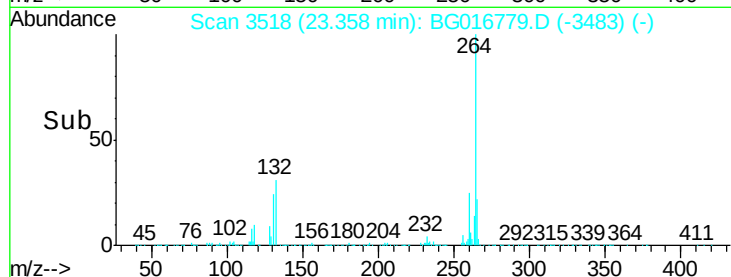
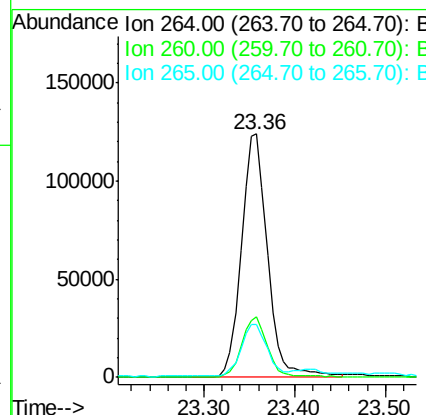
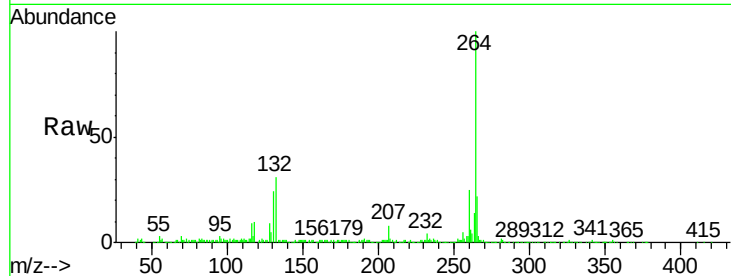




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.36 min Scan# 3518
Delta R.T. 0.00 min
Lab File: BG016779.D
Acq: 28 Apr 2015 23:40

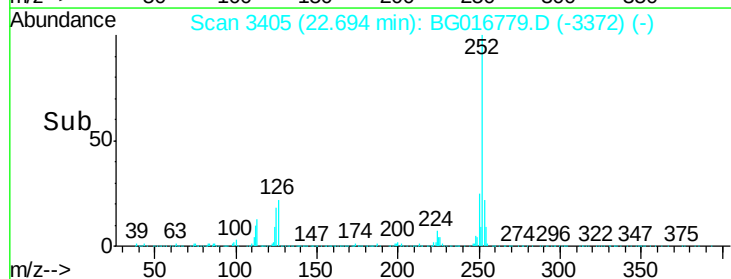
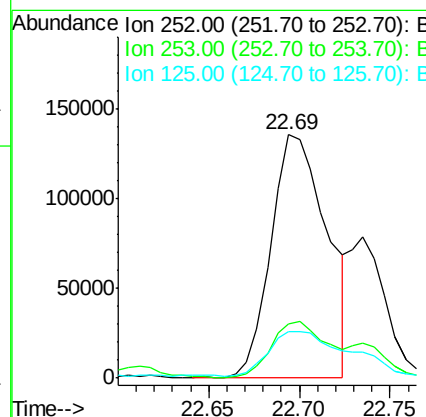
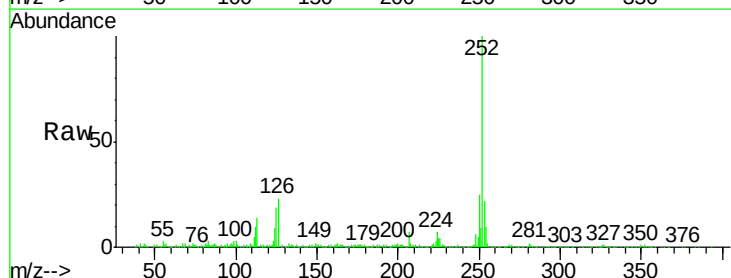
Instrument :
BNA_G
ClientSampleId :
SB-18(40-42)

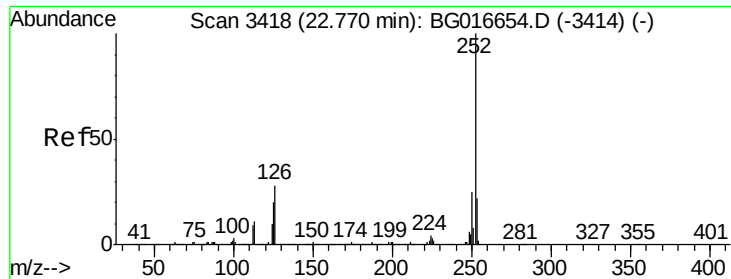
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.0	30.0
265	21.9	16.8	25.2



#87
Benzo(b)fluoranthene
Concen: 19.38 ng
RT: 22.69 min Scan# 3405
Delta R.T. -0.01 min
Lab File: BG016779.D
Acq: 28 Apr 2015 23:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	19.2	15.8	23.8

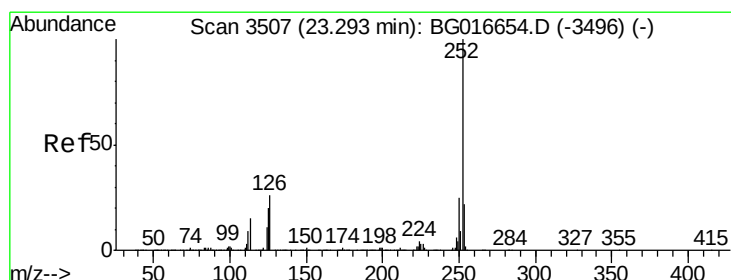
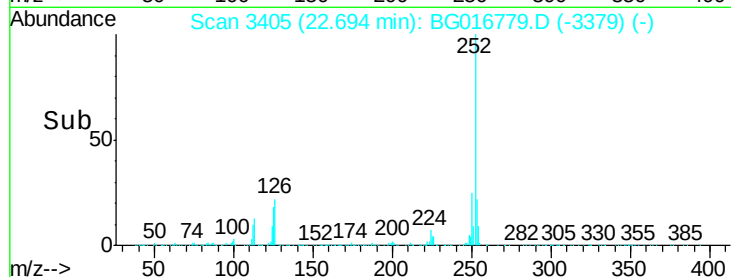
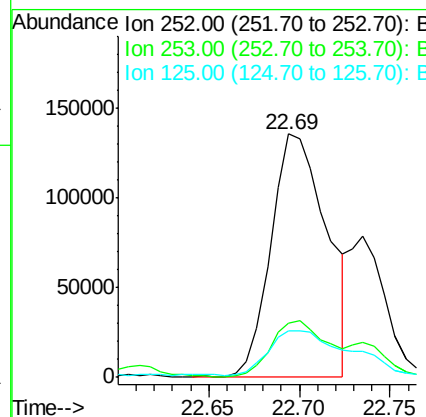
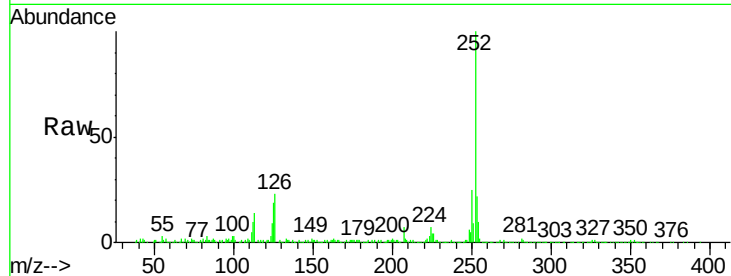




#88
Benzo(k)fluoranthene
Concen: 19.86 ng
RT: 22.69 min Scan# 3405
Delta R.T. -0.05 min
Lab File: BG016779.D
Acq: 28 Apr 2015 23:40

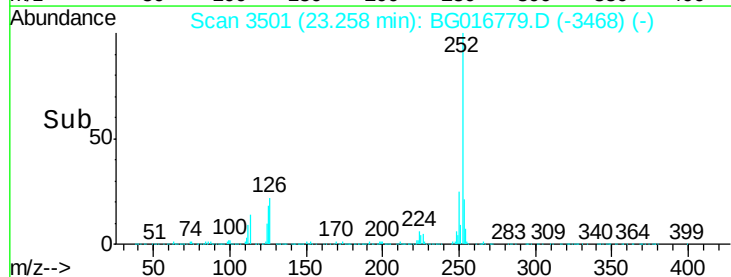
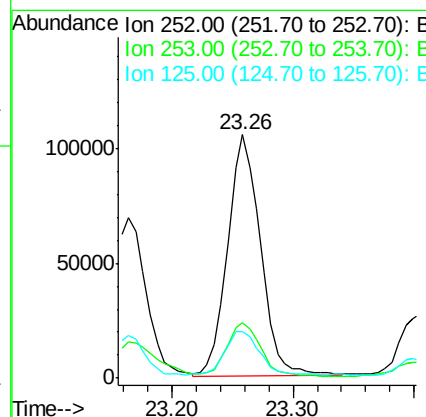
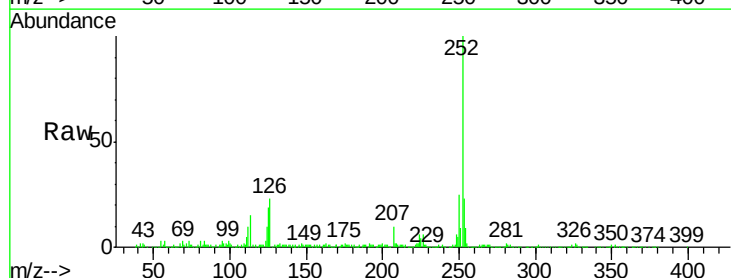
Instrument :
BNA_G
ClientSampleId :
SB-18(40-42)

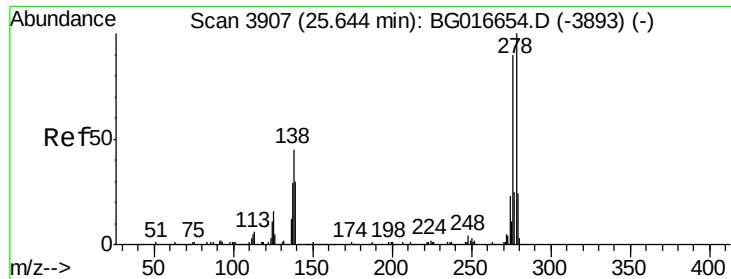
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	19.2	15.5	23.3



#89
Benzo(a)pyrene
Concen: 13.96 ng
RT: 23.26 min Scan# 3501
Delta R.T. -0.01 min
Lab File: BG016779.D
Acq: 28 Apr 2015 23:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	19.2	16.3	24.5





#90

Dibenzo(a,h)anthracene

Concen: 2.09 ng

RT: 25.58 min Scan# 3896

Delta R.T. -0.02 min

Lab File: BG016779.D

Acq: 28 Apr 2015 23:40

Instrument :

BNA_G

ClientSampleId :

SB-18(40-42)

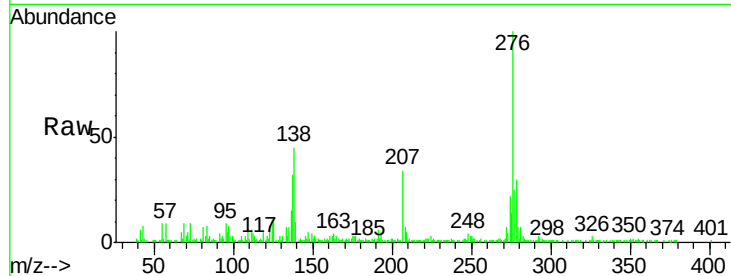
Tgt Ion:278 Resp: 28787

Ion Ratio Lower Upper

278 100

139 34.1 24.2 36.2

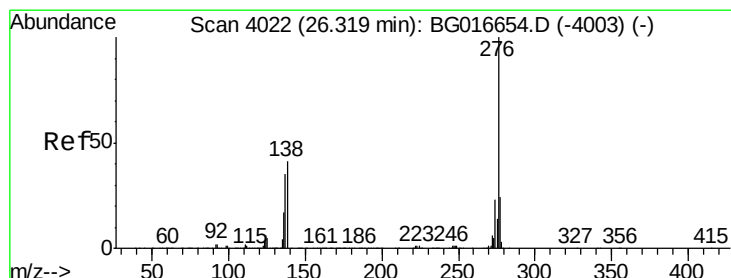
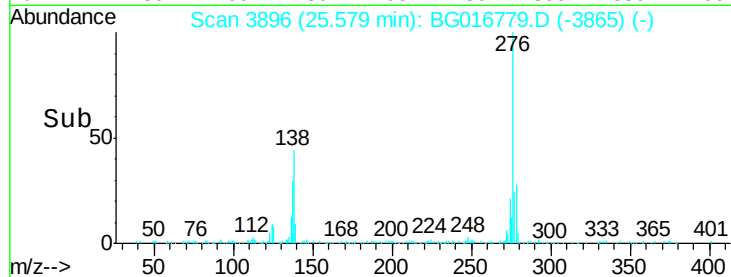
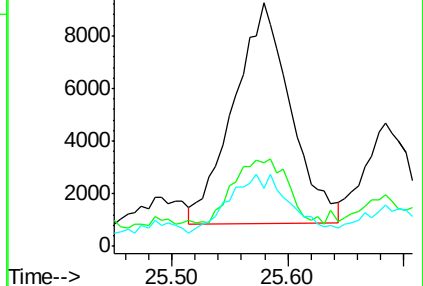
279 23.6 18.9 28.3



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 5.65 ng

RT: 26.27 min Scan# 4013

Delta R.T. -0.01 min

Lab File: BG016779.D

Acq: 28 Apr 2015 23:40

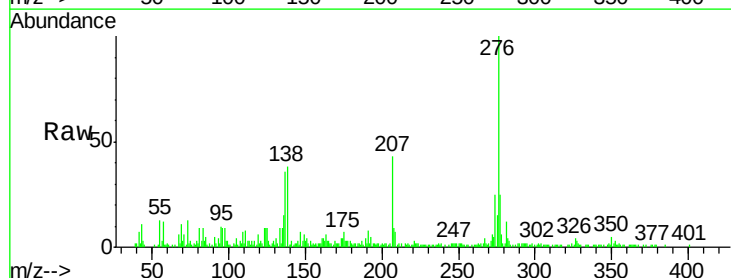
Tgt Ion:276 Resp: 79158

Ion Ratio Lower Upper

276 100

277 24.8 19.3 28.9

138 38.0 32.8 49.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

