

Data Path : Z:\HPCHEM1\BNA_G\Data\BG071216\
 Data File : BG023065.D
 Acq On : 13 Jul 2016 10:48
 Operator : UM/SJ
 Sample : H3936-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-4(4-5)

Quant Time: Jul 13 11:25:08 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 18:30:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	127173	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	564593	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	385060	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	855654	20.00	ng	0.00
75) Chrysene-d12	21.87	240	1402762	20.00	ng	0.02
86) Perylene-d12	25.26	264	1289709	20.00	ng	0.07

System Monitoring Compounds

5) 2-Fluorophenol	5.70	112	526815	67.75	ng	0.00
7) Phenol-d6	7.31	99	1207469	99.15	ng	0.00
23) Nitrobenzene-d5	9.32	82	865925	65.67	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	169332	24.47	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1629171	66.64	ng	0.00
78) Terphenyl-d14	20.16	244	2800387	55.11	ng	0.00

Target Compounds

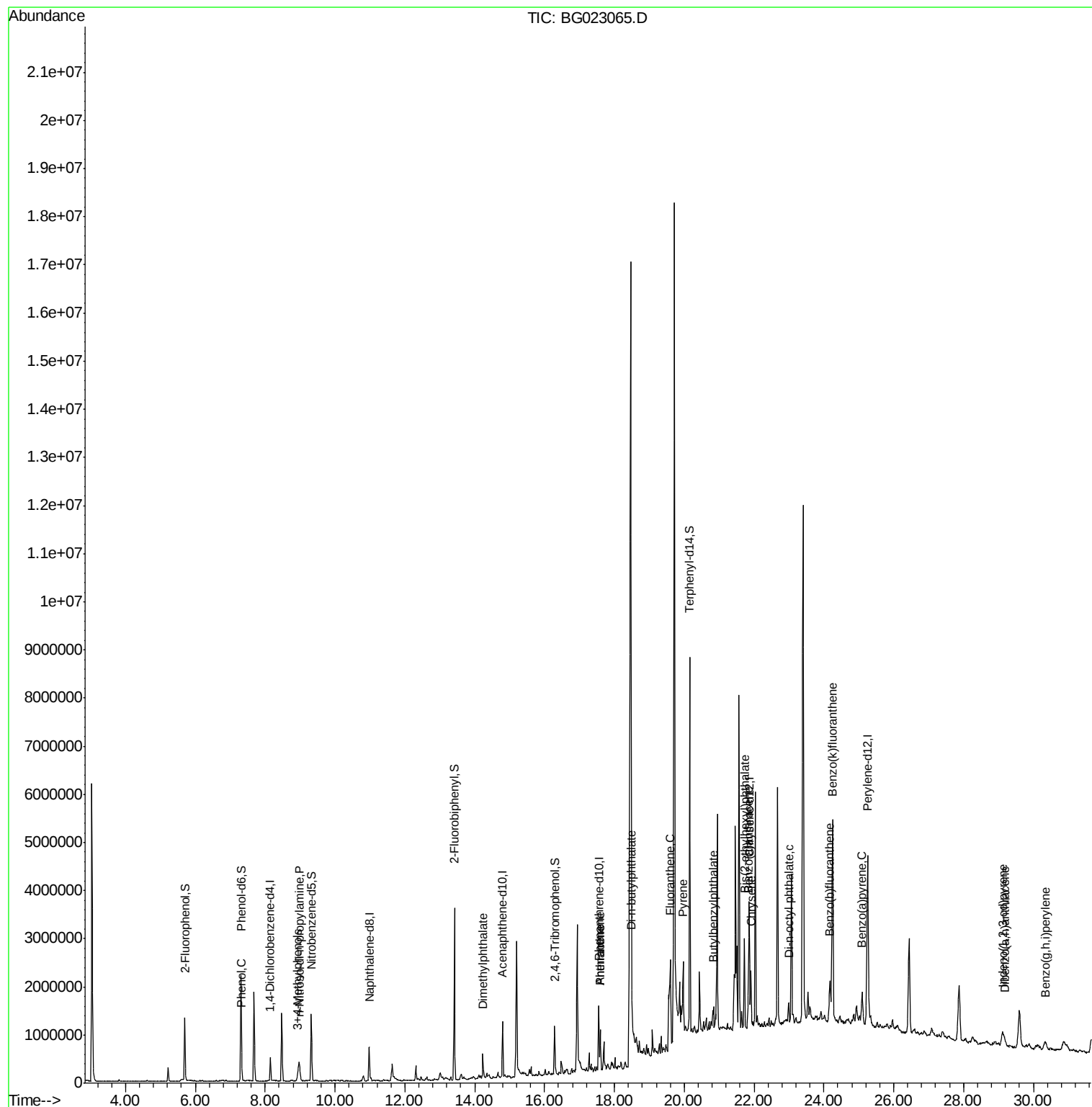
						Qvalue
10) Phenol	7.33	94	31217	2.49	ng	88
19) n-Nitroso-di-n-propylamine	8.97	70	72703	6.62	ng	# 86
20) 3+4-Methylphenols	8.92	107	23436	2.06	ng	# 83
49) Dimethylphthalate	14.24	163	305020	9.70	ng	97
70) Phenanthrene	17.60	178	472516	11.27	ng	98
71) Anthracene	17.60	178	472516	11.13	ng	98
73) Di-n-butylphthalate	18.50	149	199936	4.90	ng	96
74) Fluoranthene	19.61	202	882127	17.14	ng	94
77) Pyrene	19.97	202	856968	10.87	ng	93
79) Butylbenzylphthalate	20.84	149	108416	3.47	ng	95
80) Benzo(a)anthracene	21.84	228	739734	9.43	ng	95
82) Chrysene	21.91	228	801128	10.88	ng	98
83) Bis(2-ethylhexyl)phthalate	21.73	149	722419	16.66	ng	98
84) Di-n-octyl phthalate	23.00	149	365911	5.06	ng	# 96
85) Indeno(1,2,3-cd)pyrene	29.12	276	514344	5.48	ng	# 100
87) Benzo(b)fluoranthene	24.18	252	1040476	13.98	ng	# 99
88) Benzo(k)fluoranthene	24.24	252	654707	9.27	ng	# 95
89) Benzo(a)pyrene	25.09	252	703708	9.87	ng	# 97
90) Dibenzo(a,h)anthracene	29.18	278	241184	3.41	ng	# 89
91) Benzo(g,h,i)perylene	30.34	276	424934	5.99	ng	# 97

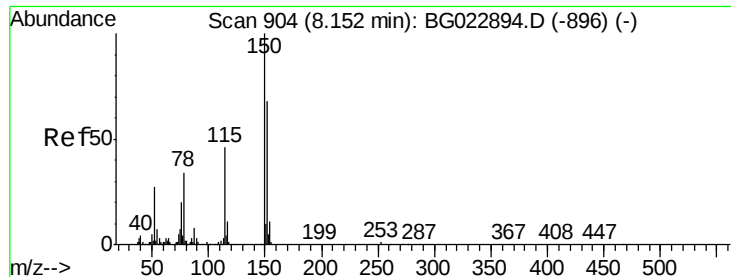
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 13 11:25:08 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 12 18:30:58 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.15 min Scan# 904

Delta R.T. -0.00 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

Instrument :

BNA_G

ClientSampled :

SB-4(4-5)

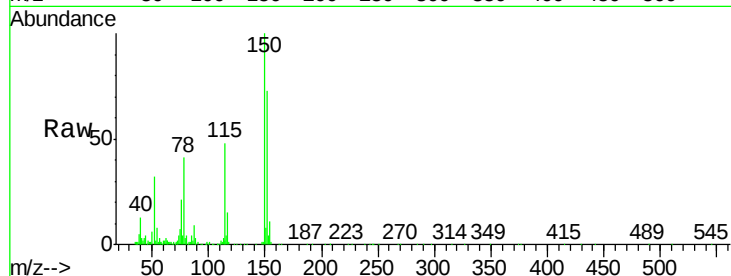
Tgt Ion:152 Resp: 127173

Ion Ratio Lower Upper

152 100

150 136.5 144.7 217.1#

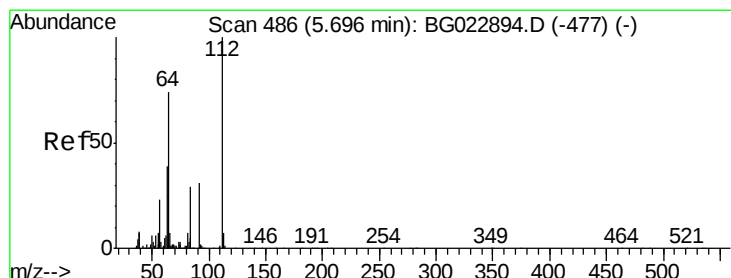
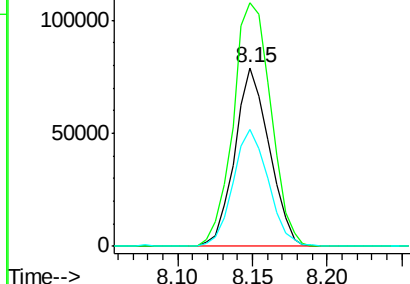
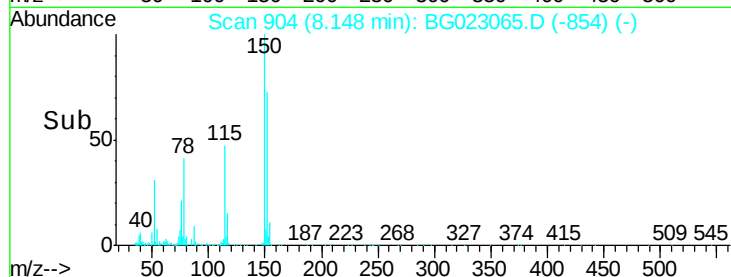
115 65.3 64.0 96.0



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: 67.75 ng

RT: 5.70 min Scan# 487

Delta R.T. 0.00 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

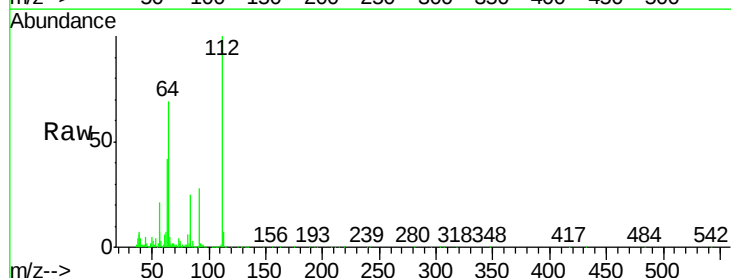
Tgt Ion:112 Resp: 526815

Ion Ratio Lower Upper

112 100

64 69.3 59.0 88.4

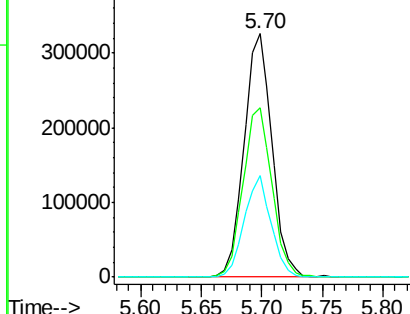
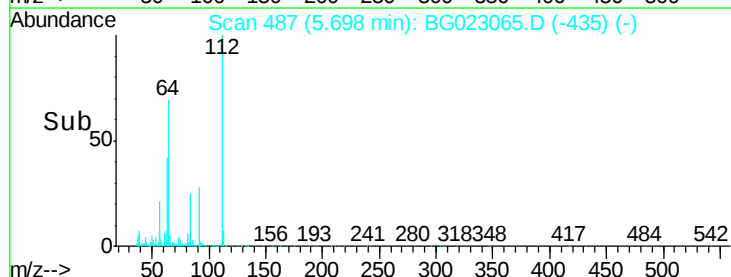
63 41.9 37.8 56.8

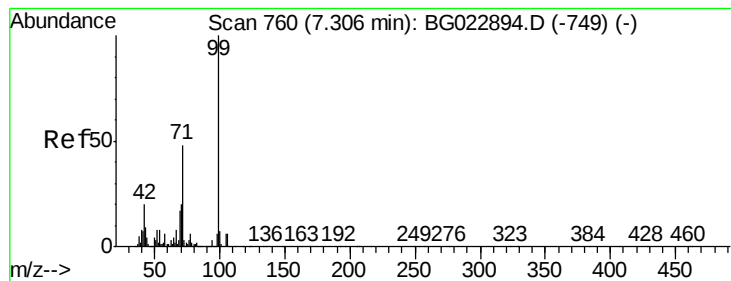


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 99.15 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

Instrument :

BNA_G

ClientSampleId :

SB-4(4-5)

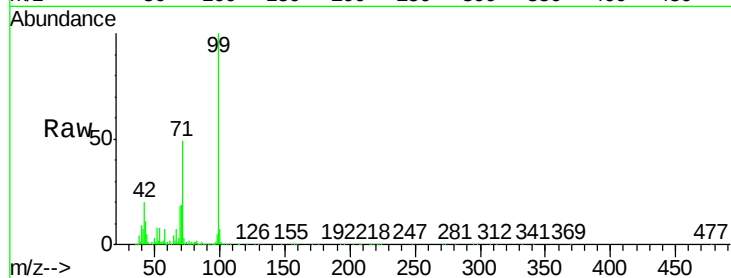
Tgt Ion: 99 Resp: 1207469

Ion Ratio Lower Upper

99 100

42 19.6 17.8 26.6

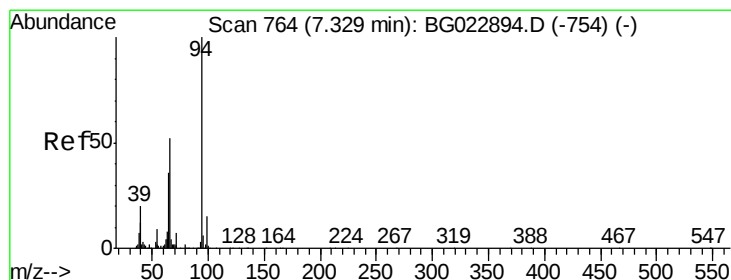
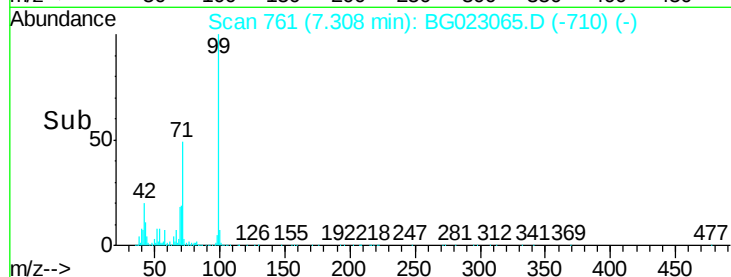
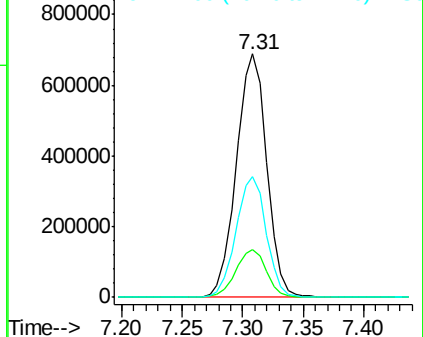
71 49.4 41.5 62.3



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 2.49 ng

RT: 7.33 min Scan# 765

Delta R.T. 0.00 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

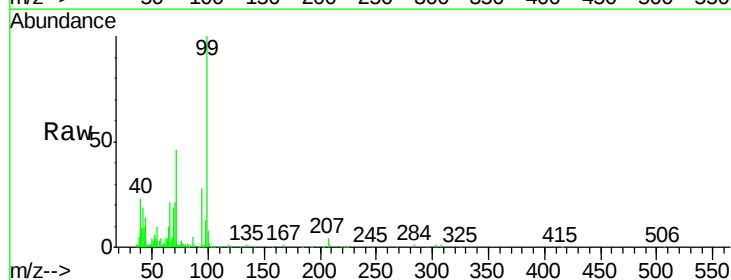
Tgt Ion: 94 Resp: 31217

Ion Ratio Lower Upper

94 100

65 34.7 18.1 58.1

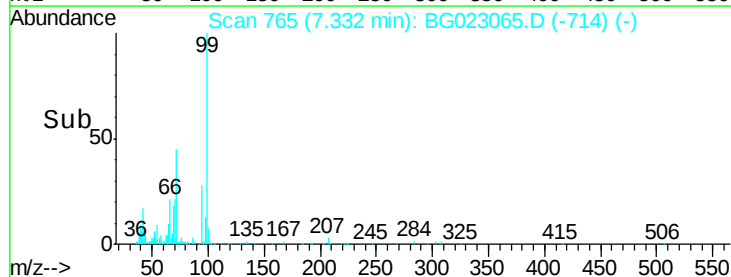
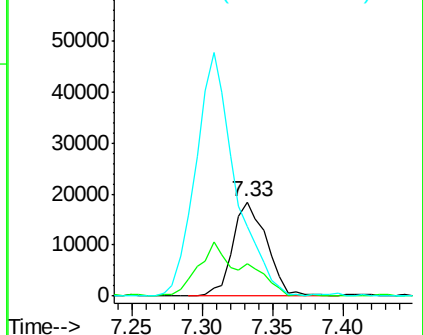
66 73.9 42.1 82.1

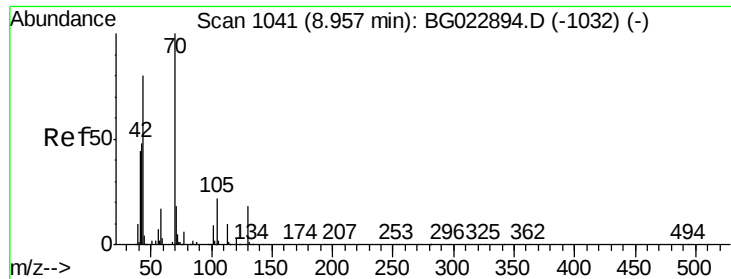


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

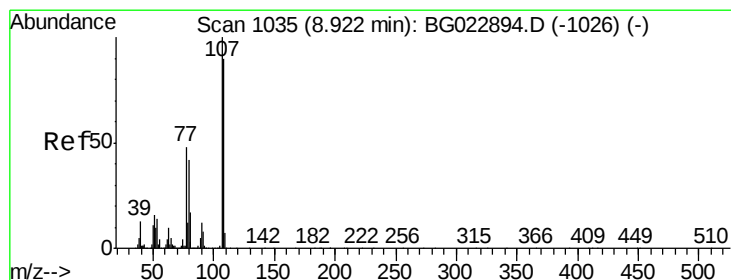
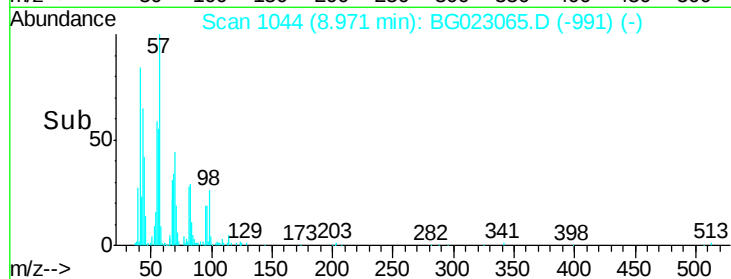
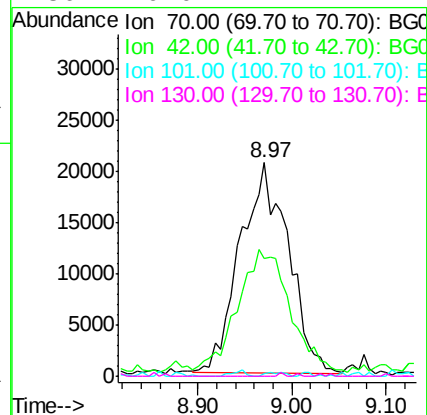
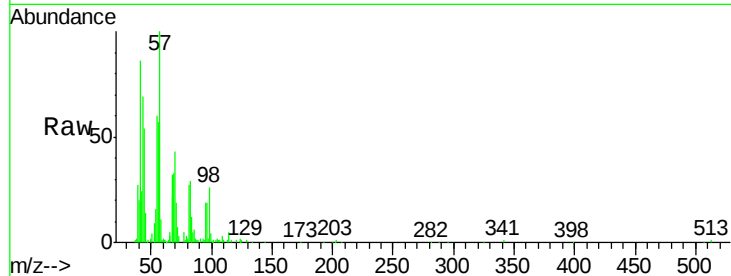




#19
n-Nitroso-di-n-propylamine
Concen: 6.62 ng
RT: 8.97 min Scan# 1044
Delta R.T. 0.01 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

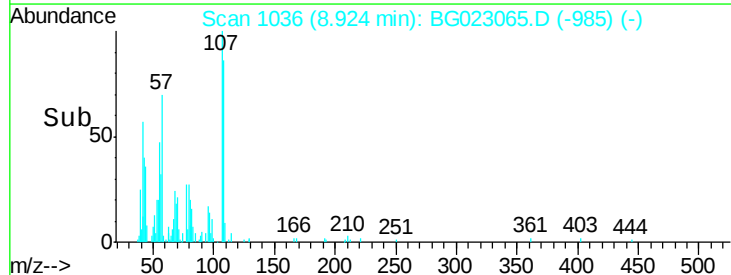
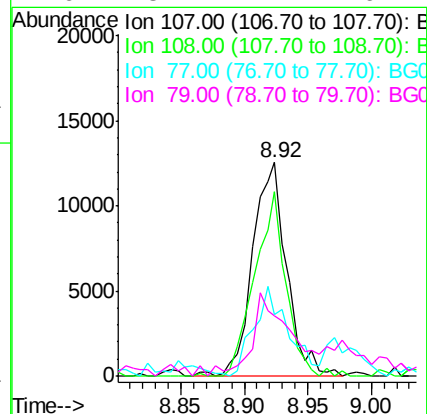
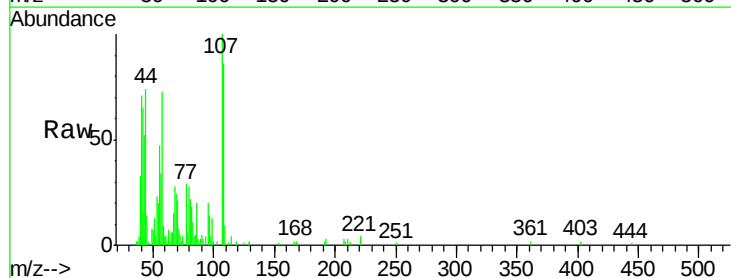
Instrument :
BNA_G
ClientSampleId :
SB-4(4-5)

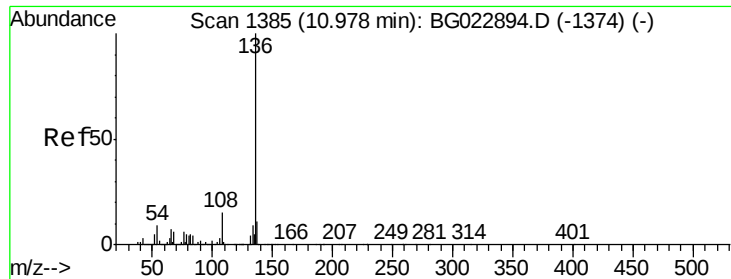
Tgt Ion: 70 Resp: 72703
Ion Ratio Lower Upper
70 100
42 55.3 42.1 63.1
101 1.2 7.2 10.8#
130 0.0 14.2 21.2#



#20
3+4-Methylphenols
Concen: 2.06 ng
RT: 8.92 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

Tgt Ion: 107 Resp: 23436
Ion Ratio Lower Upper
107 100
108 86.3 72.5 112.5
77 28.5 30.1 70.1#
79 28.2 24.2 64.2

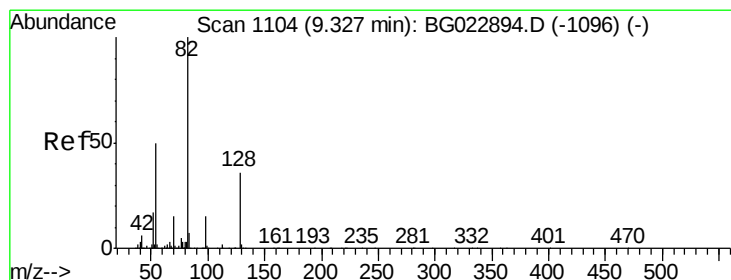
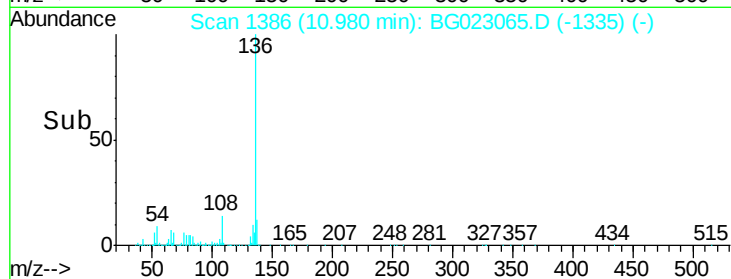
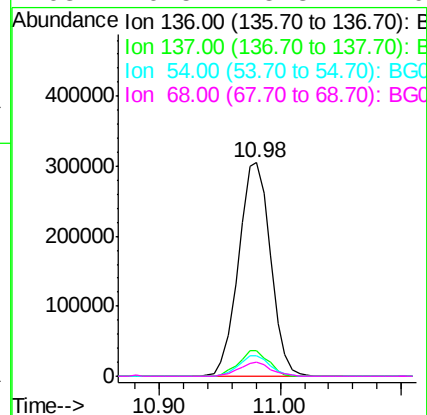
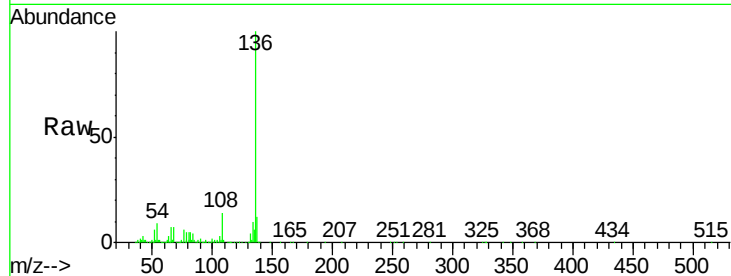




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1386
Delta R.T. 0.00 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

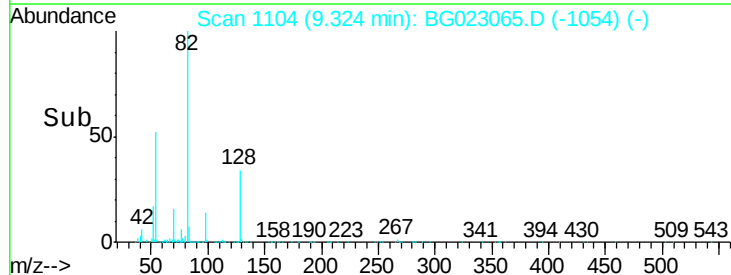
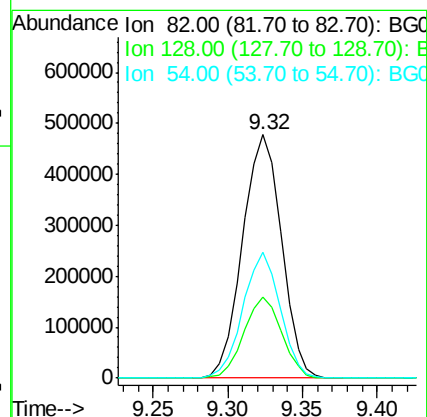
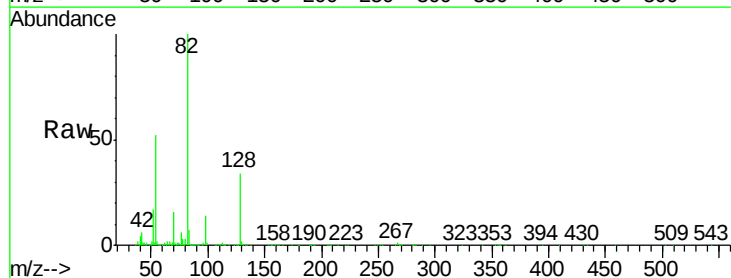
Instrument :
BNA_G
ClientSampleId :
SB-4(4-5)

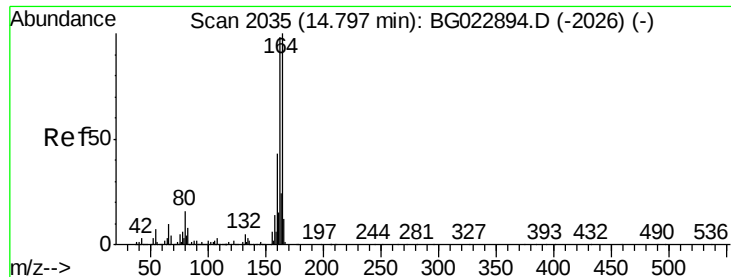
Tgt Ion:	136	Resp:	564593
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.6	14.4
54	9.5	7.3	10.9
68	6.5	5.3	7.9



#23
Nitrobenzene-d5
Concen: 65.67 ng
RT: 9.32 min Scan# 1104
Delta R.T. -0.00 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

Tgt Ion:	82	Resp:	865925
Ion	Ratio	Lower	Upper
82	100		
128	33.5	24.4	36.6
54	51.7	41.4	62.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2036

Delta R.T. 0.00 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

Instrument :

BNA_G

ClientSampleId :

SB-4(4-5)

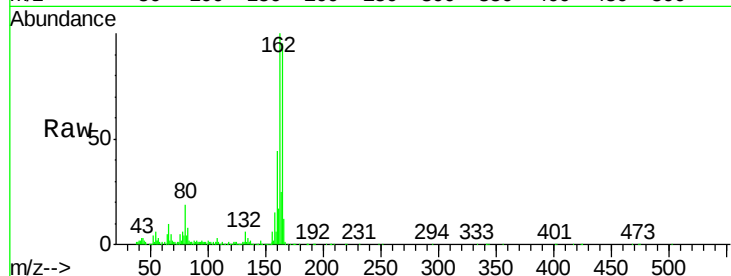
Tgt Ion:164 Resp: 385060

Ion Ratio Lower Upper

164 100

162 105.2 87.7 131.5

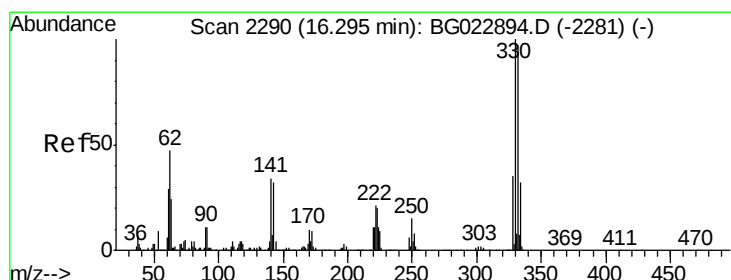
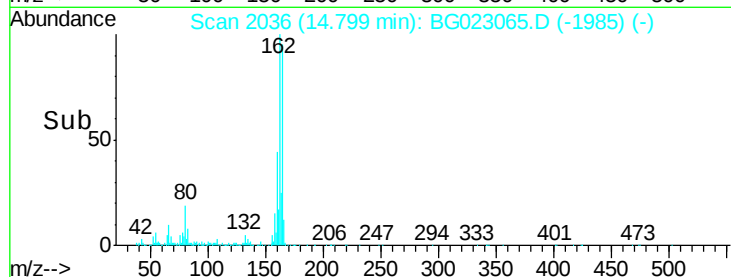
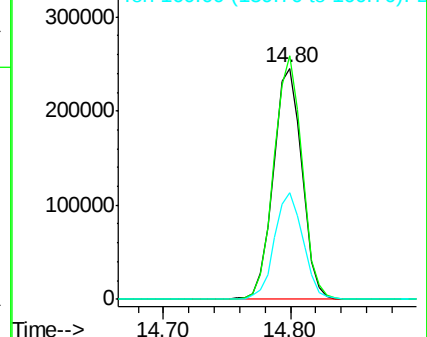
160 46.2 37.2 55.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 24.47 ng

RT: 16.29 min Scan# 2289

Delta R.T. -0.01 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

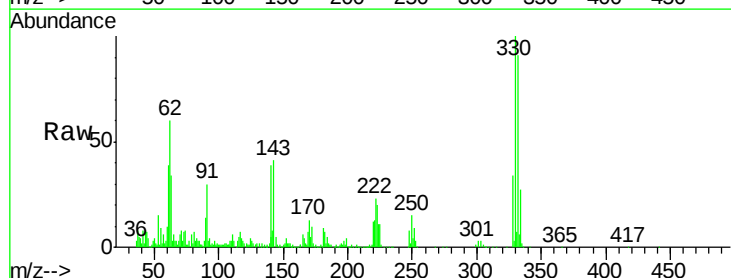
Tgt Ion:330 Resp: 169332

Ion Ratio Lower Upper

330 100

332 94.3 77.4 116.2

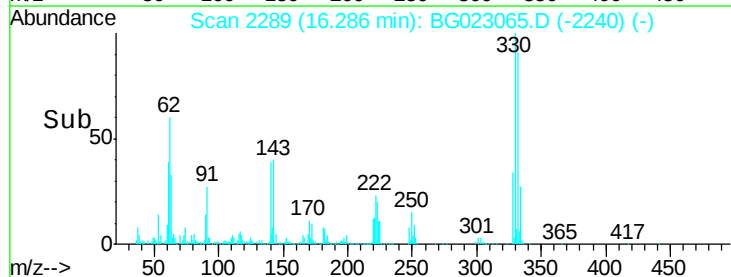
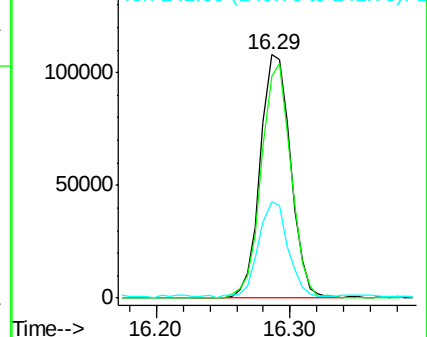
141 38.0 31.7 47.5

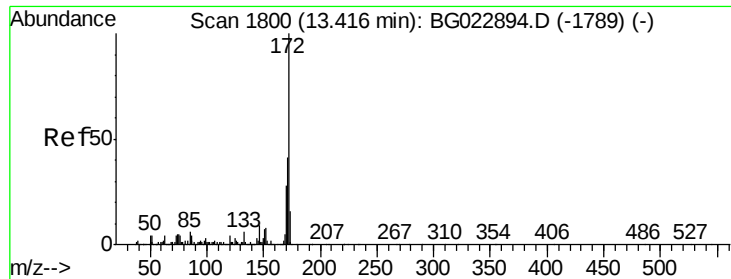


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

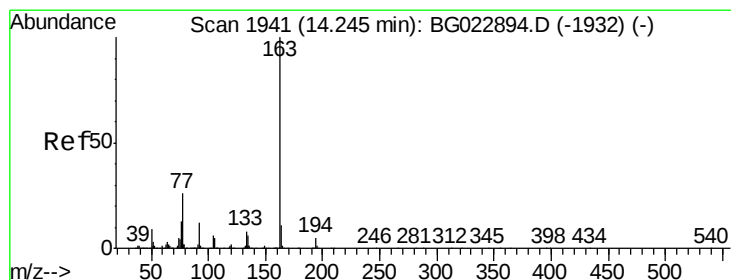
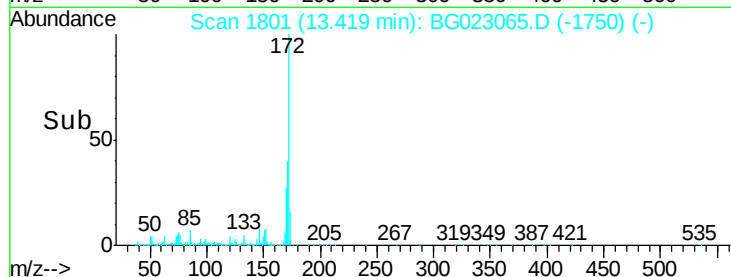
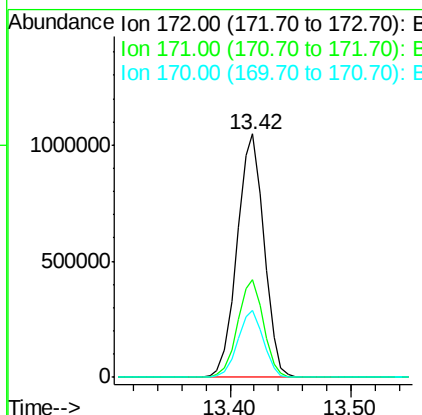
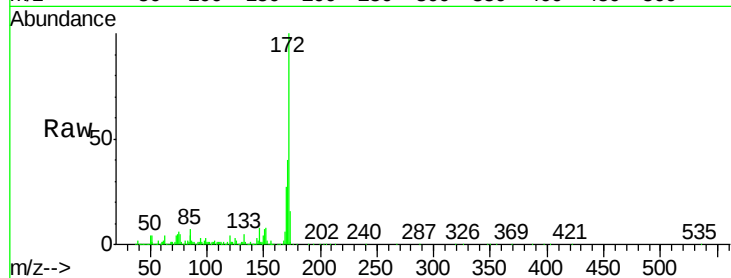




#44
2-Fluorobiphenyl
Concen: 66.64 ng
RT: 13.42 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

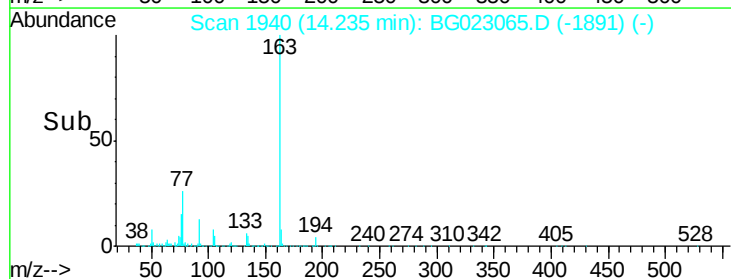
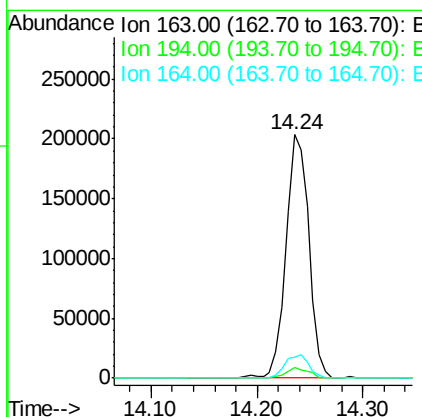
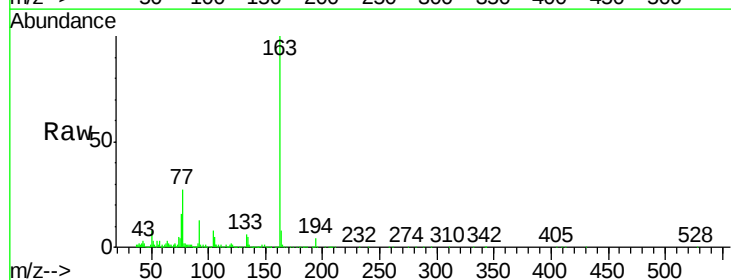
Instrument :
BNA_G
ClientSampleId :
SB-4(4-5)

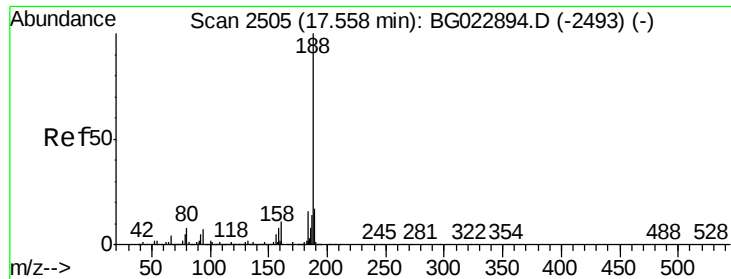
Tgt Ion:172 Resp: 1629171
Ion Ratio Lower Upper
172 100
171 40.1 31.6 47.4
170 27.5 21.3 31.9



#49
Dimethylphthalate
Concen: 9.70 ng
RT: 14.24 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

Tgt Ion:163 Resp: 305020
Ion Ratio Lower Upper
163 100
194 4.3 3.6 5.4
164 8.5 8.1 12.1

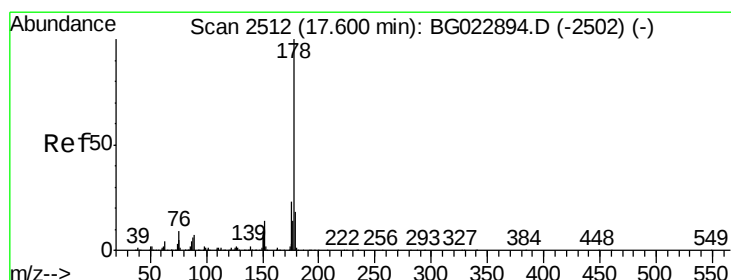
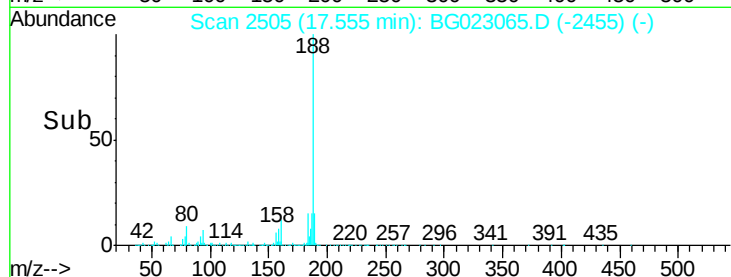
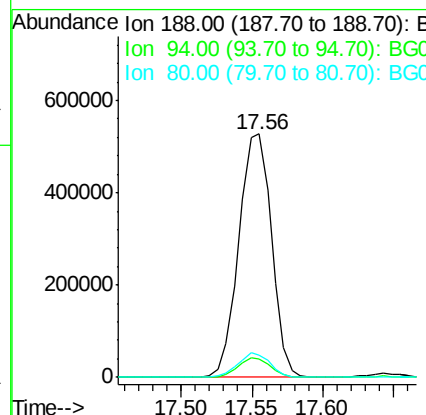
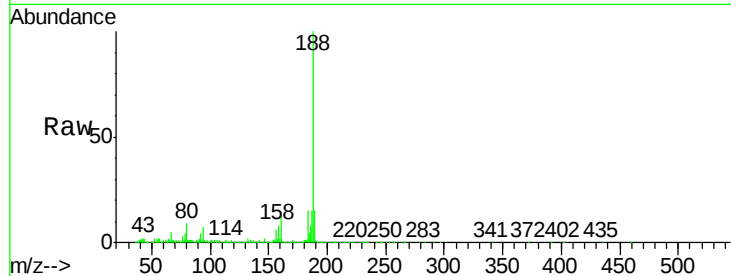




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.56 min Scan# 2505
 Delta R.T. -0.00 min
 Lab File: BG023065.D
 Acq: 13 Jul 2016 10:48

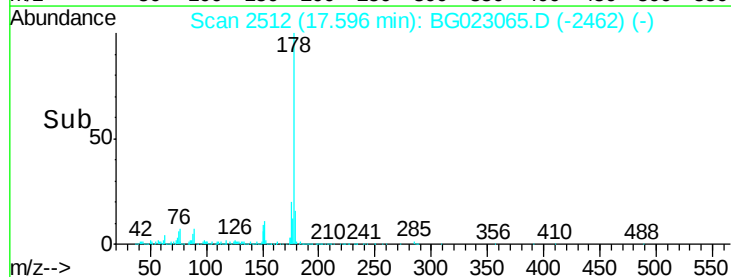
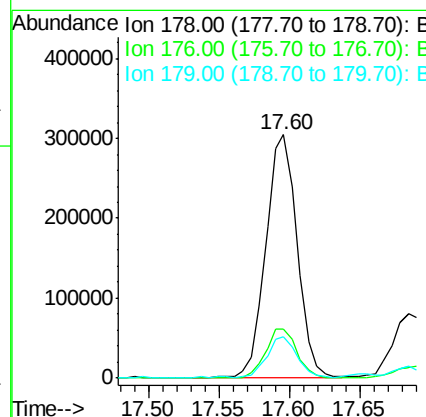
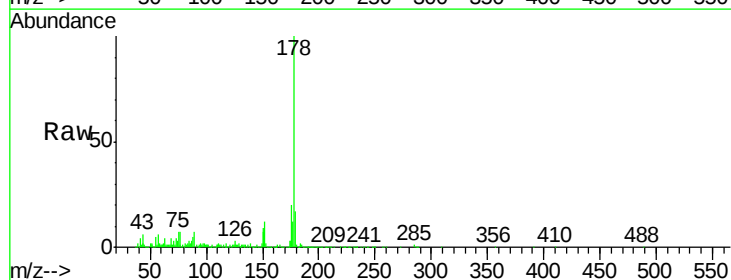
Instrument :
 BNA_G
 ClientSampleId :
 SB-4(4-5)

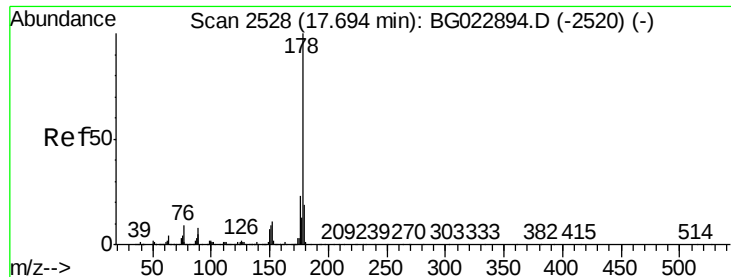
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.2	7.8
80	8.9	7.2	10.8



#70
 Phenanthrene
 Concen: 11.27 ng
 RT: 17.60 min Scan# 2512
 Delta R.T. -0.00 min
 Lab File: BG023065.D
 Acq: 13 Jul 2016 10:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.8	25.2
179	16.9	14.3	21.5





#71

Anthracene

Concen: 11.13 ng

RT: 17.60 min Scan# 2512

Delta R.T. -0.10 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

Instrument :

BNA_G

ClientSampleId :

SB-4(4-5)

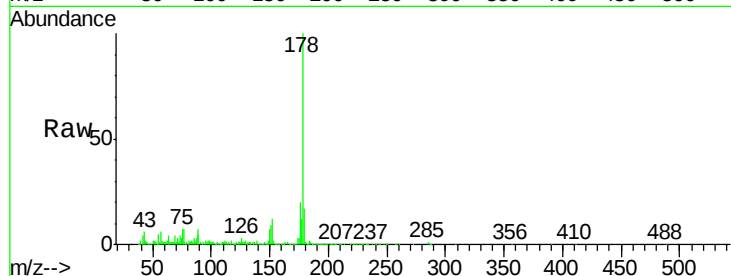
Tgt Ion:178 Resp: 472516

Ion Ratio Lower Upper

178 100

176 20.3 17.3 25.9

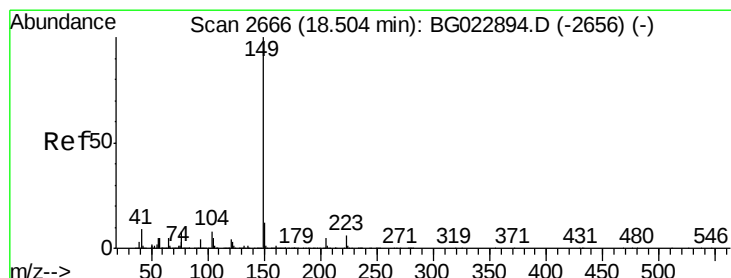
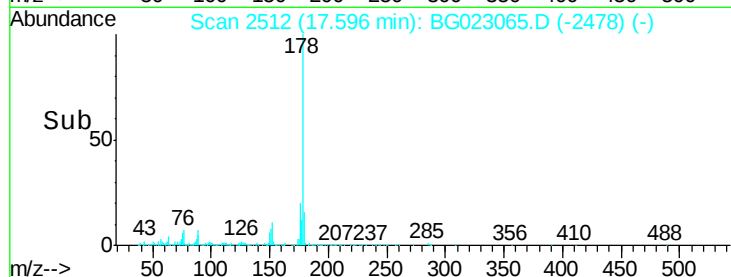
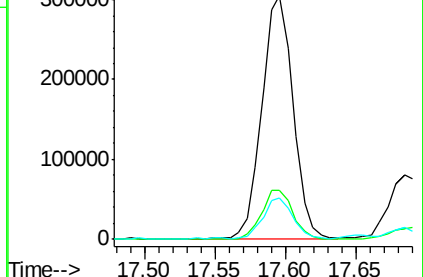
179 16.9 14.0 21.0



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



#73

Di-n-butylphthalate

Concen: 4.90 ng

RT: 18.50 min Scan# 2665

Delta R.T. -0.01 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

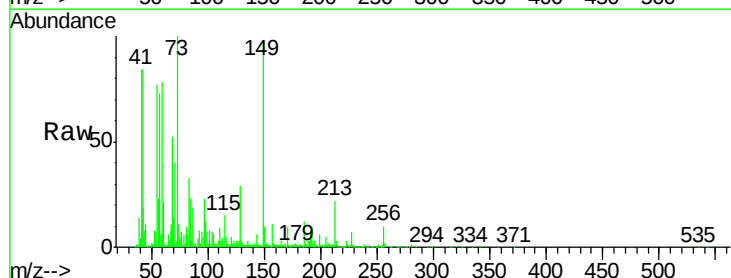
Tgt Ion:149 Resp: 199936

Ion Ratio Lower Upper

149 100

150 9.8 9.1 13.7

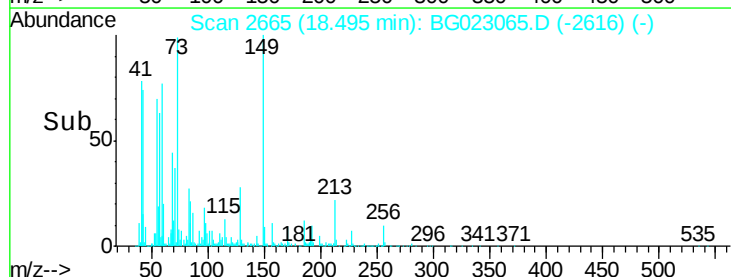
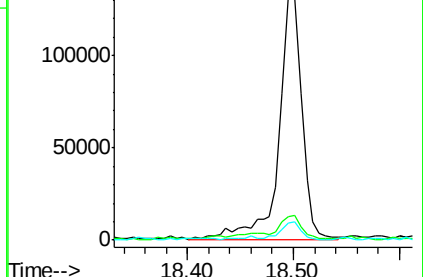
104 7.2 6.9 10.3

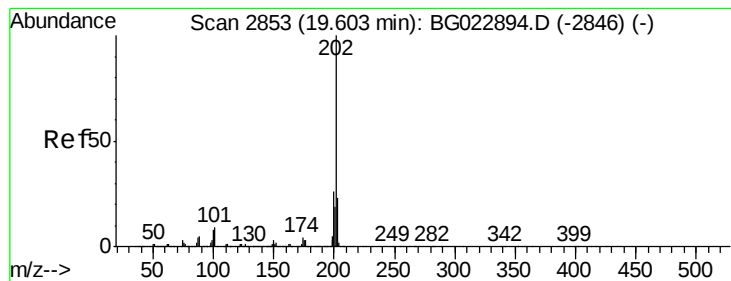


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 17.14 ng

RT: 19.61 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

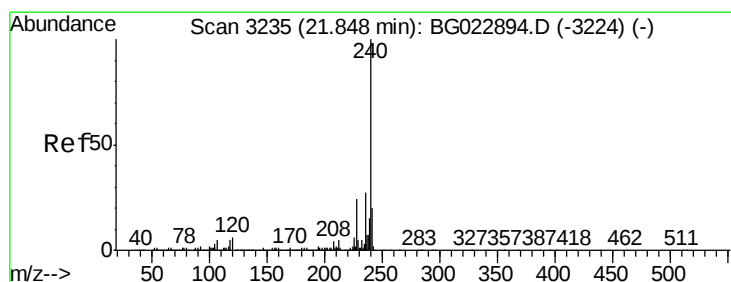
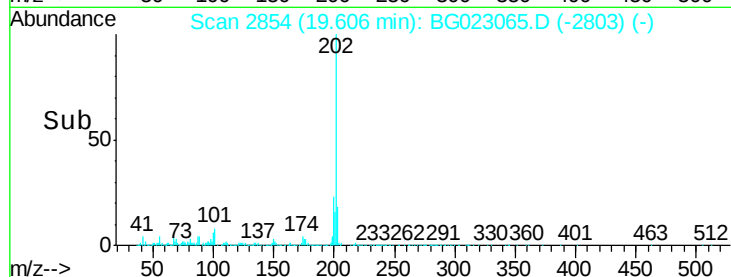
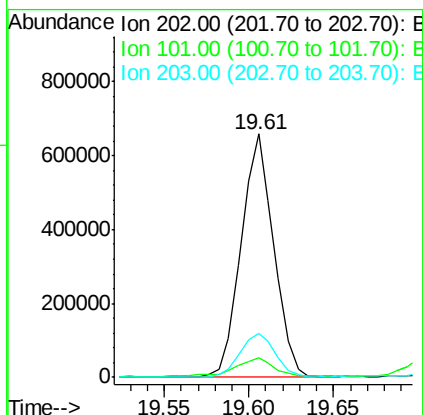
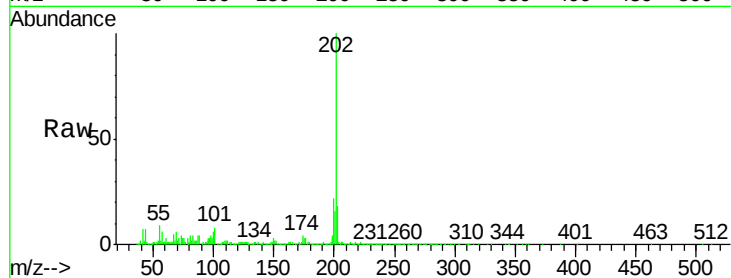
Instrument :

BNA_G

ClientSampleId :

SB-4(4-5)

Tgt Ion:	202	Resp:	882127
Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	27.4
203	18.3	1.7	41.7



#75

Chrysene-d12

Concen: 20.00 ng

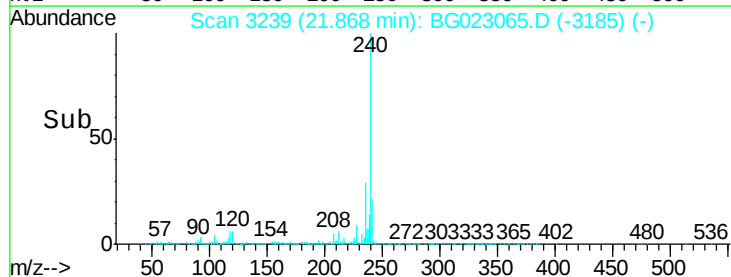
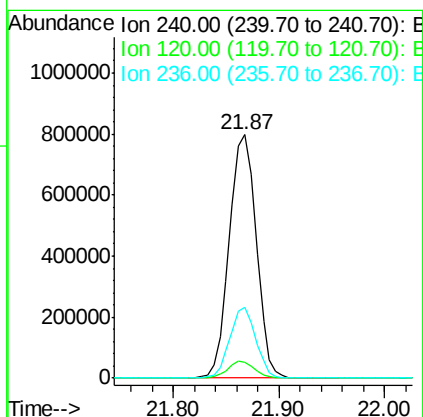
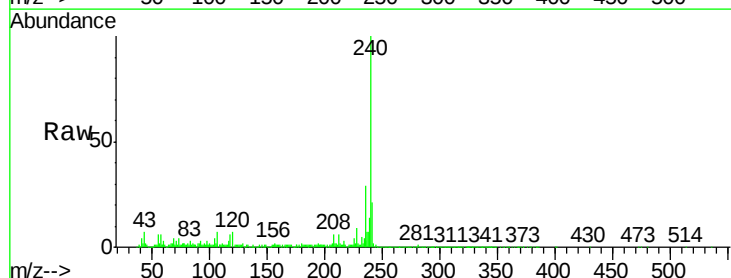
RT: 21.87 min Scan# 3239

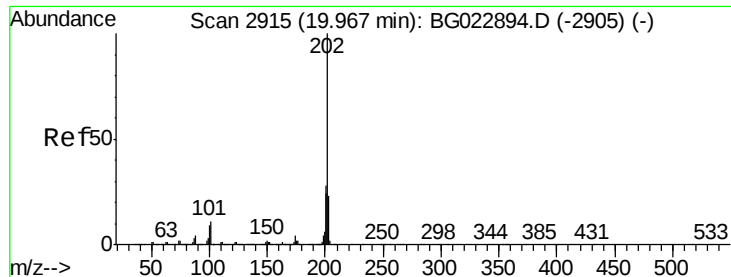
Delta R.T. 0.02 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

Tgt Ion:	240	Resp:	1402762
Ion	Ratio	Lower	Upper
240	100		
120	6.7	4.1	6.1#
236	29.3	21.1	31.7





#77

Pyrene

Concen: 10.87 ng

RT: 19.97 min Scan# 2916

Delta R.T. 0.00 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

Instrument :

BNA_G

ClientSampleId :

SB-4(4-5)

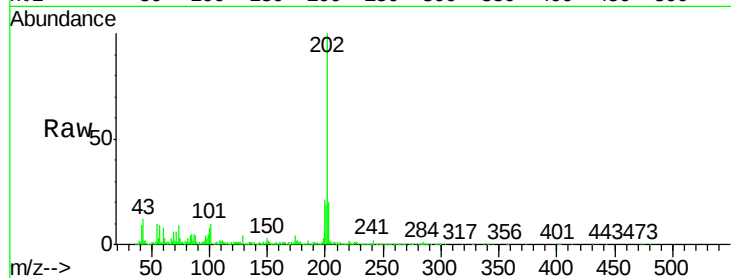
Tgt Ion:202 Resp: 856968

Ion Ratio Lower Upper

202 100

200 21.4 21.2 31.8

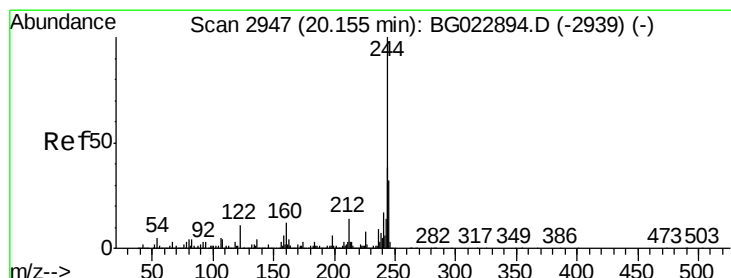
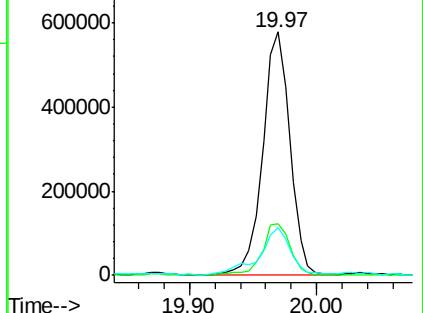
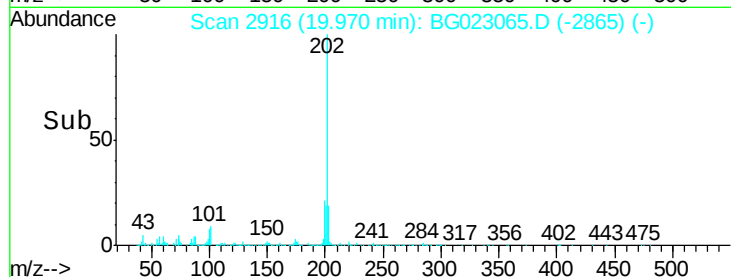
203 19.6 16.8 25.2



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: 55.11 ng

RT: 20.16 min Scan# 2948

Delta R.T. 0.00 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

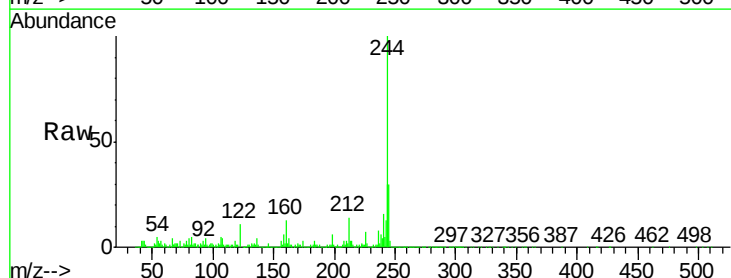
Tgt Ion:244 Resp: 2800387

Ion Ratio Lower Upper

244 100

212 14.4 10.8 16.2

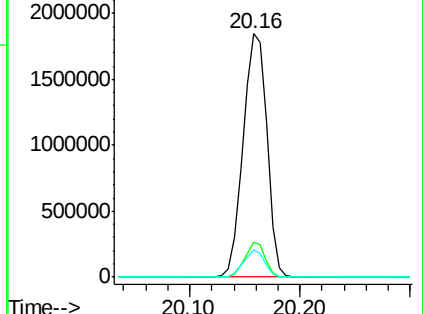
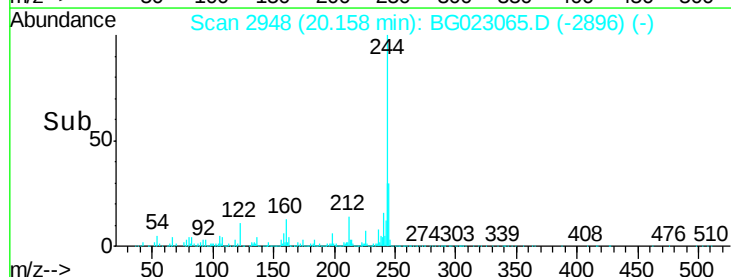
122 11.5 8.0 12.0

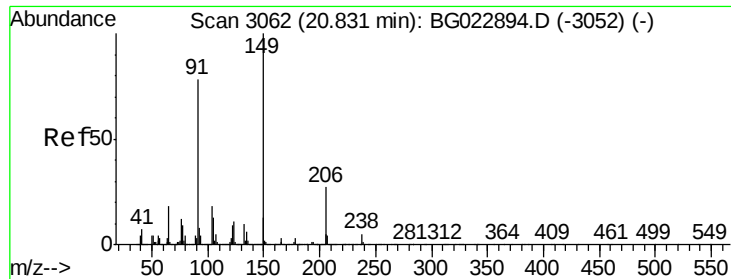


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

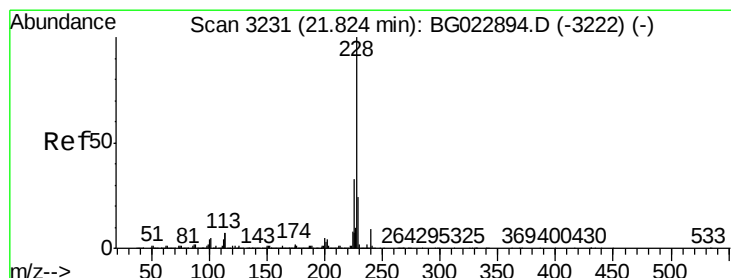
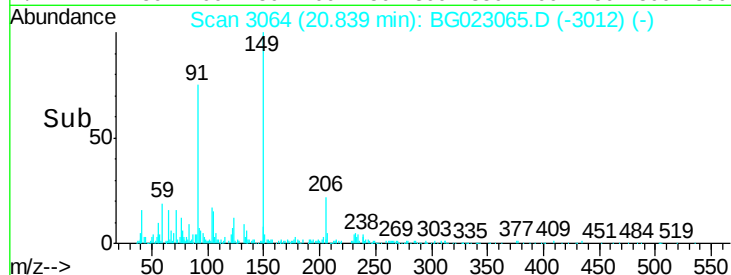
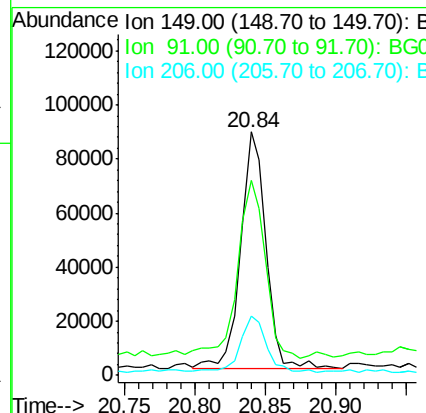
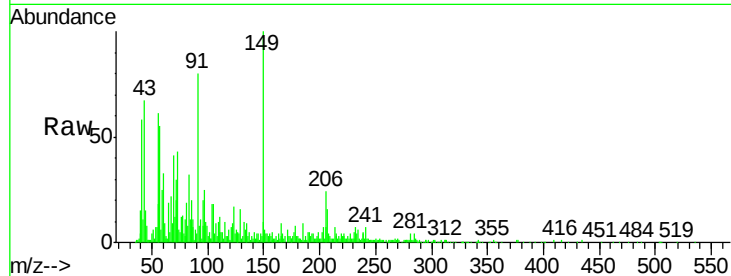




#79
Butylbenzylphthalate
Concen: 3.47 ng
RT: 20.84 min Scan# 3064
Delta R.T. 0.01 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

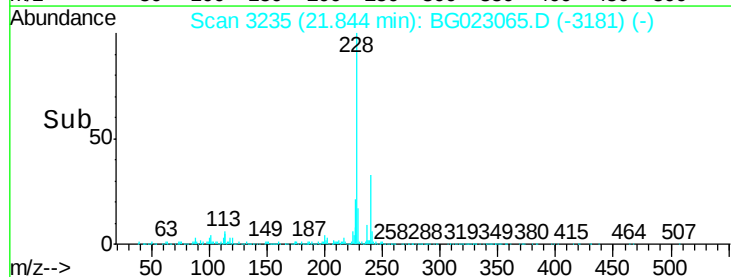
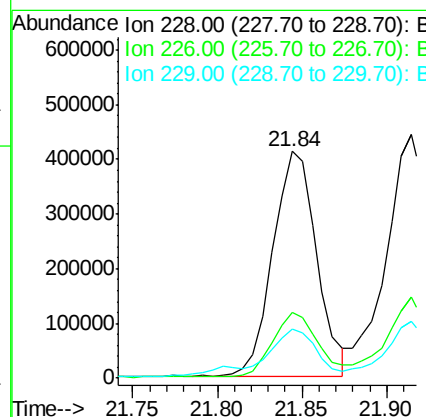
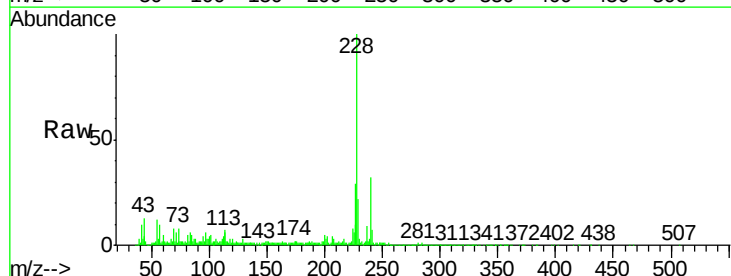
Instrument :
BNA_G
ClientSampleId :
SB-4(4-5)

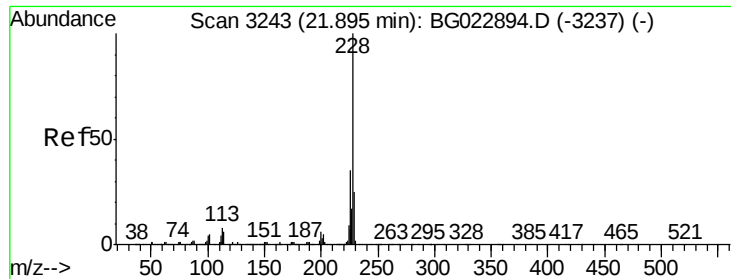
Tgt Ion:149 Resp: 108416
Ion Ratio Lower Upper
149 100
91 79.9 68.1 102.1
206 24.1 19.8 29.6



#80
Benzo(a)anthracene
Concen: 9.43 ng
RT: 21.84 min Scan# 3235
Delta R.T. 0.02 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

Tgt Ion:228 Resp: 739734
Ion Ratio Lower Upper
228 100
226 29.1 25.3 37.9
229 21.9 19.9 29.9





#82

Chrysene

Concen: 10.88 ng

RT: 21.91 min Scan# 3247

Delta R.T. 0.02 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

Instrument :

BNA_G

ClientSampleId :

SB-4(4-5)

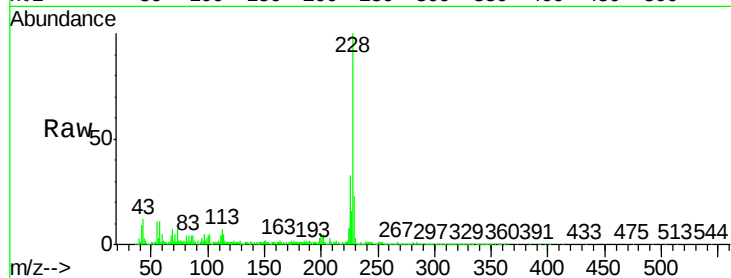
Tgt Ion:228 Resp: 801128

Ion Ratio Lower Upper

228 100

226 33.1 26.7 40.1

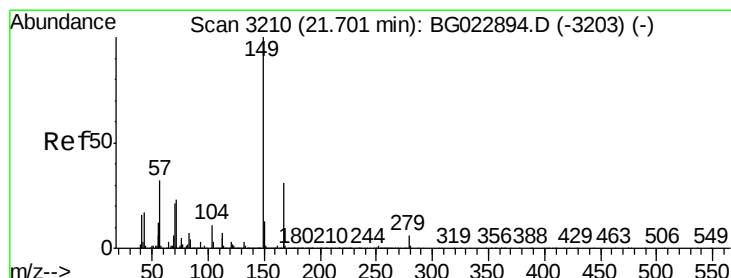
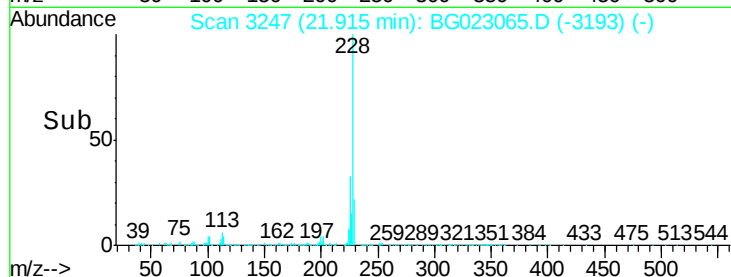
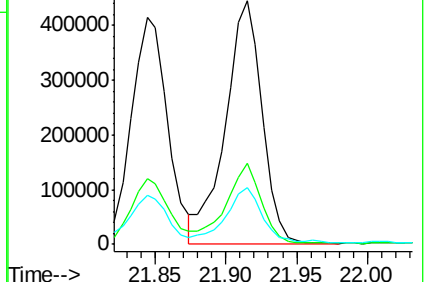
229 23.3 17.4 26.2



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 16.66 ng

RT: 21.73 min Scan# 3215

Delta R.T. 0.03 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

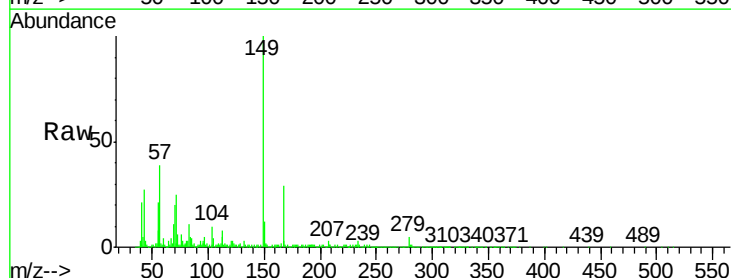
Tgt Ion:149 Resp: 722419

Ion Ratio Lower Upper

149 100

167 28.9 24.0 36.0

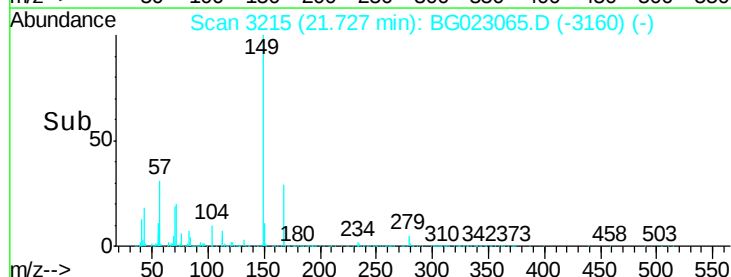
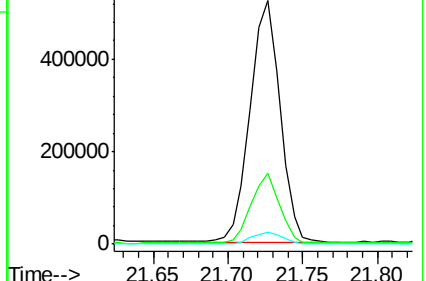
279 4.8 4.8 7.2

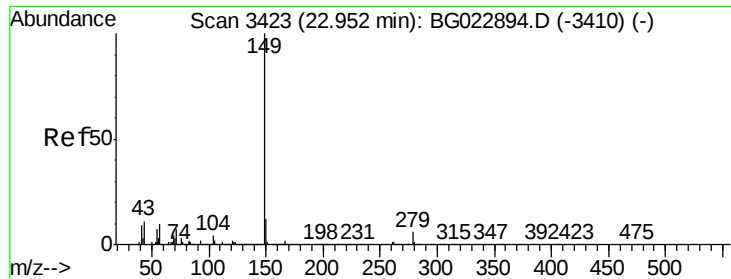


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

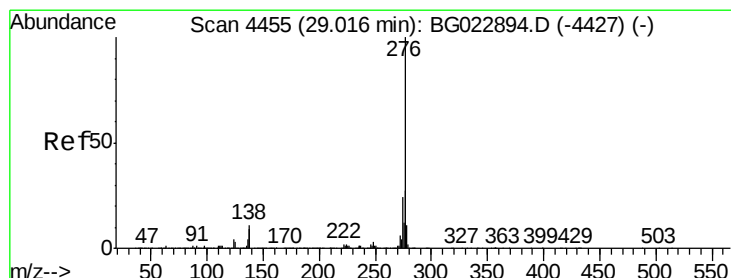
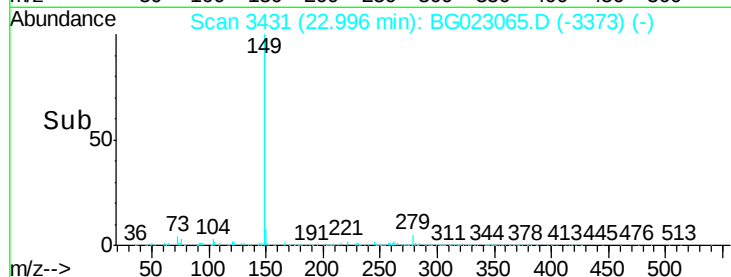
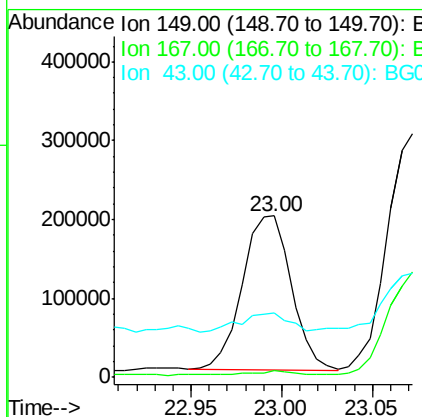
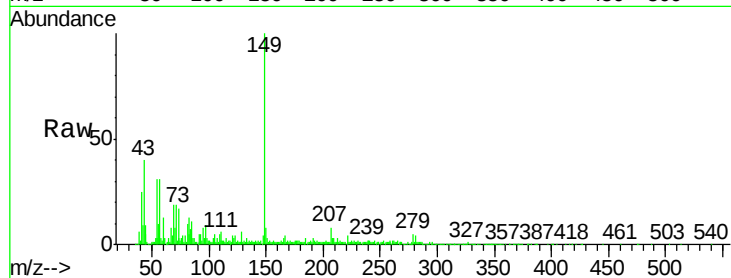




#84
 Di-n-octyl phthalate
 Concen: 5.06 ng
 RT: 23.00 min Scan# 3431
 Delta R.T. 0.04 min
 Lab File: BG023065.D
 Acq: 13 Jul 2016 10:48

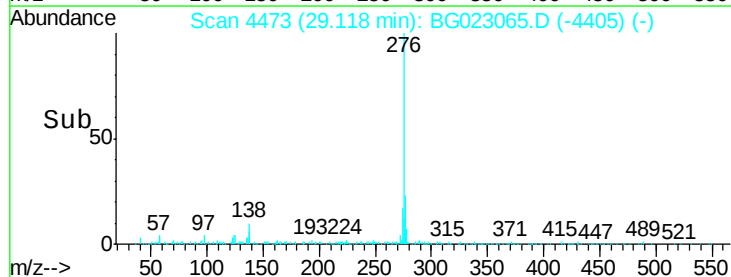
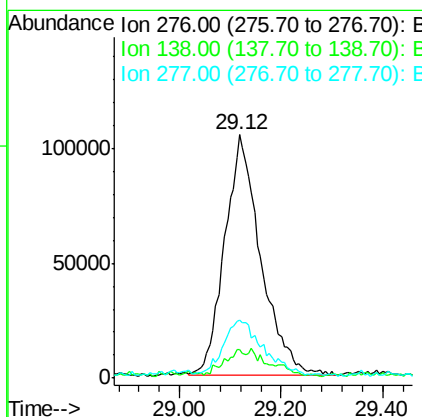
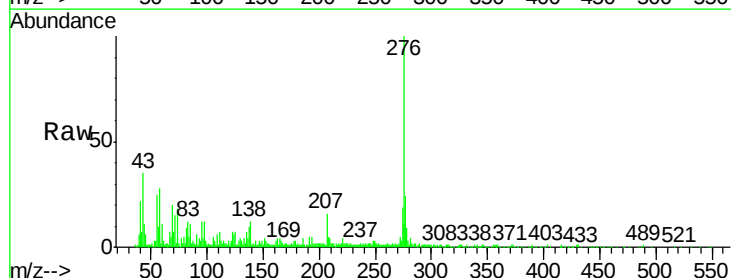
Instrument :
 BNA_G
 ClientSampleId :
 SB-4(4-5)

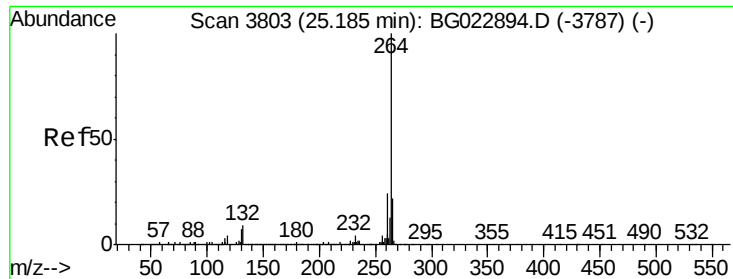
Tgt Ion:149 Resp: 365911
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.5 2.3#
 43 12.6 8.8 13.2



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.48 ng
 RT: 29.12 min Scan# 4473
 Delta R.T. 0.10 min
 Lab File: BG023065.D
 Acq: 13 Jul 2016 10:48

Tgt Ion:276 Resp: 514344
 Ion Ratio Lower Upper
 276 100
 138 5.8 0.0 0.0#
 277 21.5 0.0 0.0#



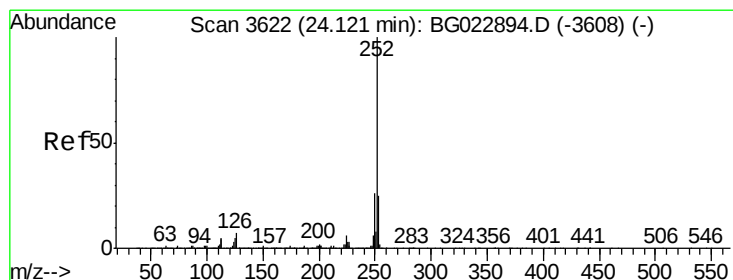
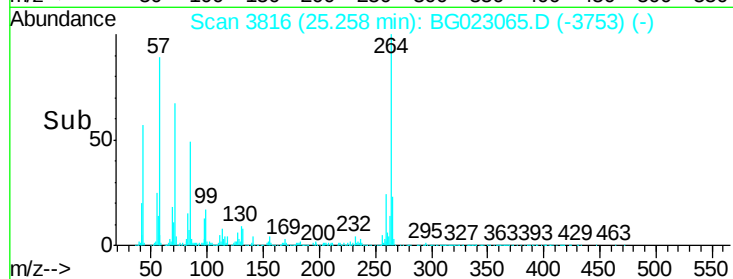
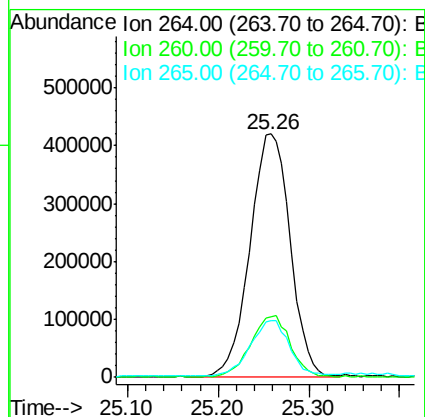
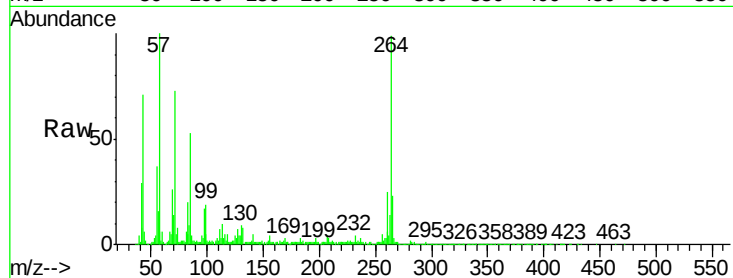


#86
Perylene-d12
Concen: 20.00 ng
RT: 25.26 min Scan# 3816
Delta R.T. 0.07 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

Instrument :
BNA_G
ClientSampleId :
SB-4(4-5)

Tgt Ion:264 Resp: 1289709

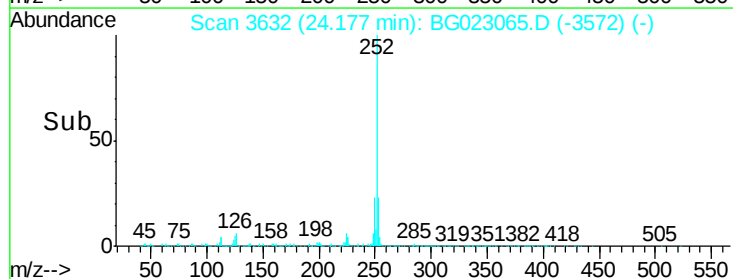
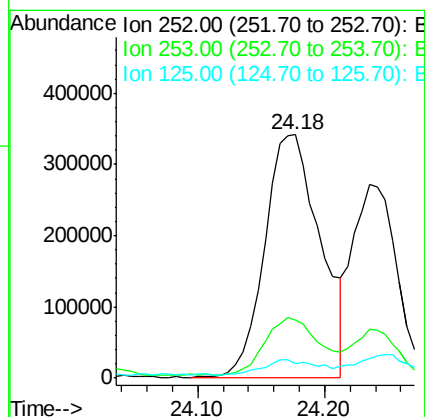
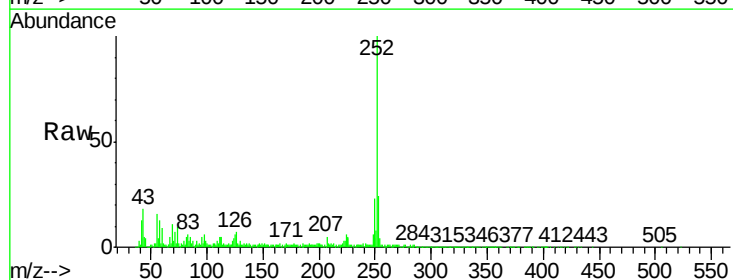
Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.4	27.6
265	23.4	18.9	28.3

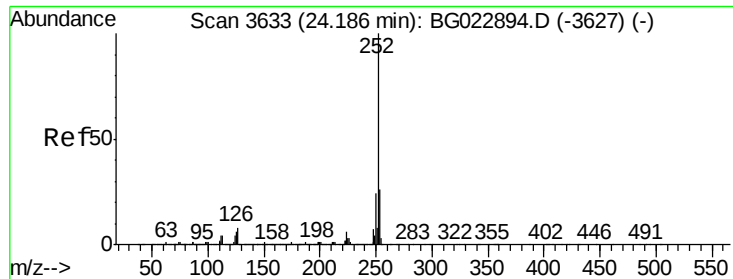


#87
Benzo(b)fluoranthene
Concen: 13.98 ng
RT: 24.18 min Scan# 3632
Delta R.T. 0.06 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

Tgt Ion:252 Resp: 1040476

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.9	28.3
125	6.1	3.9	5.9#





#88

Benzo(k)fluoranthene

Concen: 9.27 ng

RT: 24.24 min Scan# 3642

Delta R.T. 0.05 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

Instrument :

BNA_G

ClientSampleId :

SB-4(4-5)

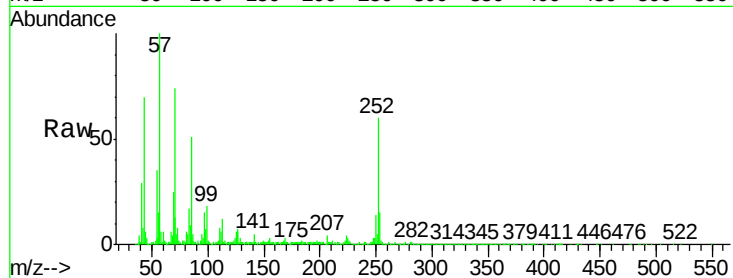
Tgt Ion:252 Resp: 654707

Ion Ratio Lower Upper

252 100

253 25.0 18.8 28.2

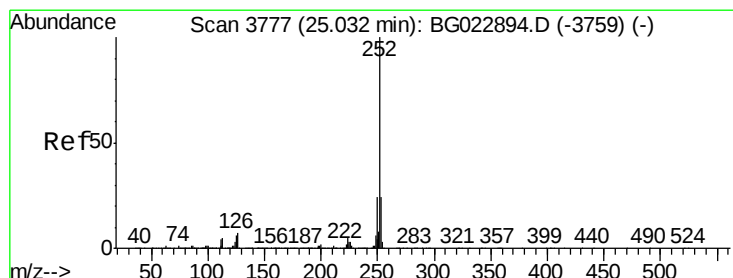
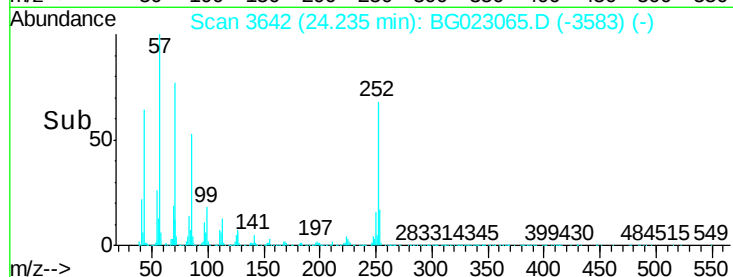
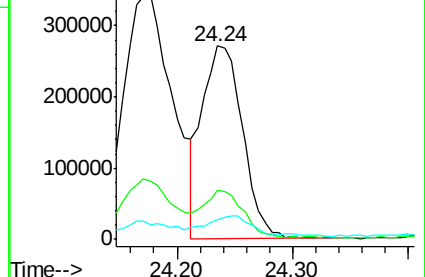
125 10.0 3.2 4.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 9.87 ng

RT: 25.09 min Scan# 3788

Delta R.T. 0.06 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

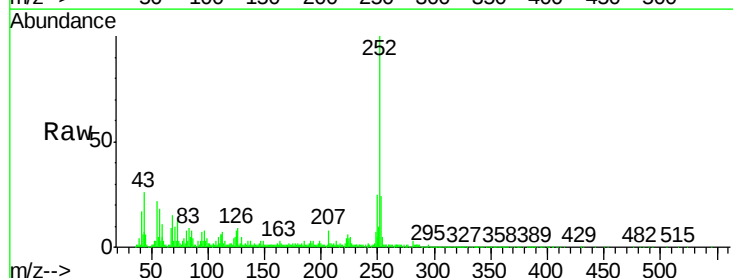
Tgt Ion:252 Resp: 703708

Ion Ratio Lower Upper

252 100

253 24.4 18.7 28.1

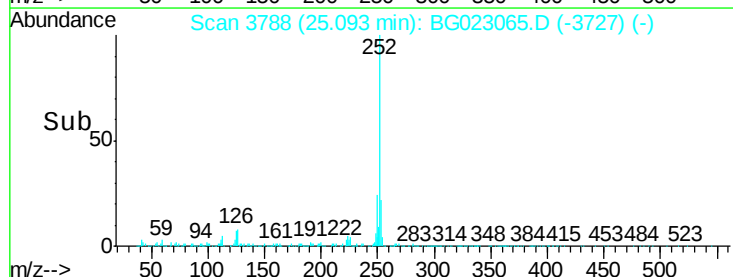
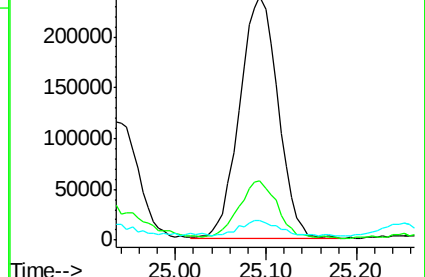
125 8.2 3.9 5.9#

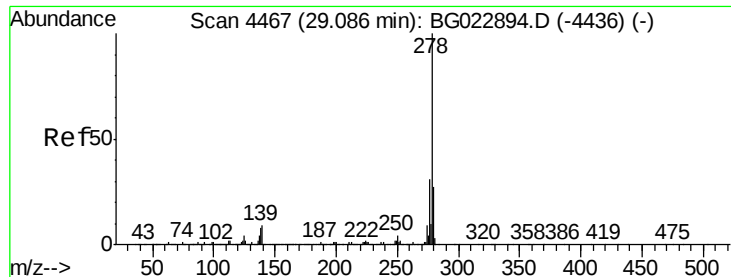


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 3.41 ng

RT: 29.18 min Scan# 4484

Delta R.T. 0.10 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

Instrument :

BNA_G

ClientSampleId :

SB-4(4-5)

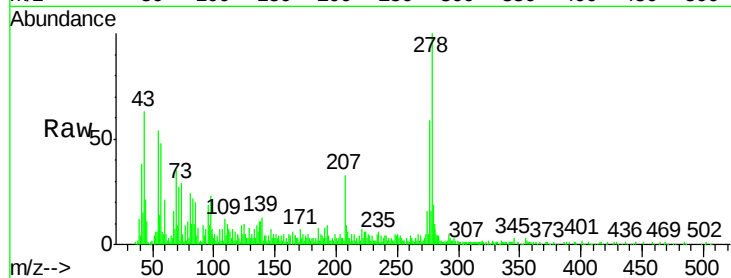
Tgt Ion:278 Resp: 241184

Ion Ratio Lower Upper

278 100

139 12.5 4.7 7.1#

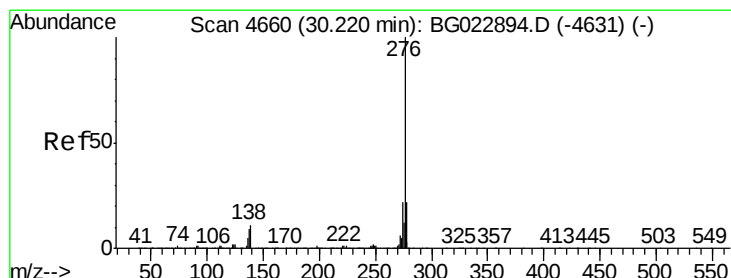
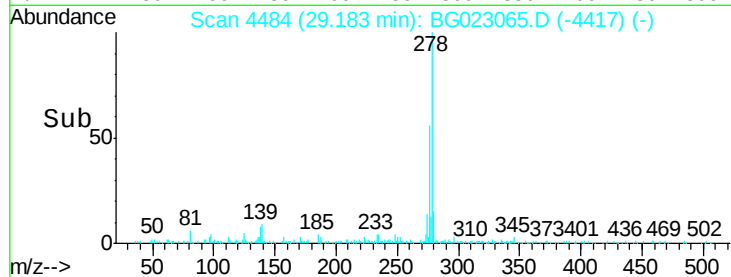
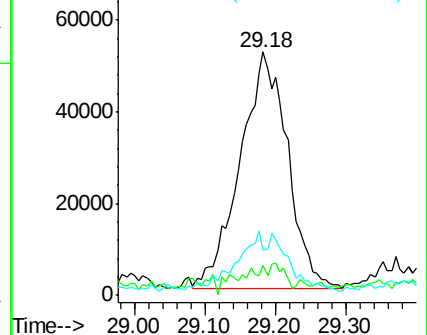
279 18.8 18.3 27.5



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: 5.99 ng

RT: 30.34 min Scan# 4681

Delta R.T. 0.12 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

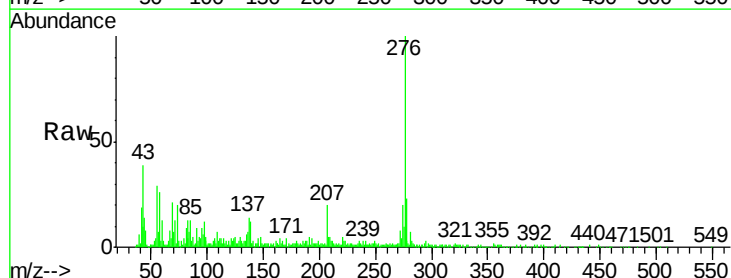
Tgt Ion:276 Resp: 424934

Ion Ratio Lower Upper

276 100

277 22.8 18.6 27.8

138 11.6 6.8 10.2#



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

