

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061716\
 Data File : BG022444.D
 Acq On : 19 Jun 2016 4:38
 Operator : UM/SJ
 Sample : H3489-07
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S7-B5(6-12)C

Quant Time: Jun 20 01:28:45 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 17:40:23 2016
 Response via : Initial Calibration

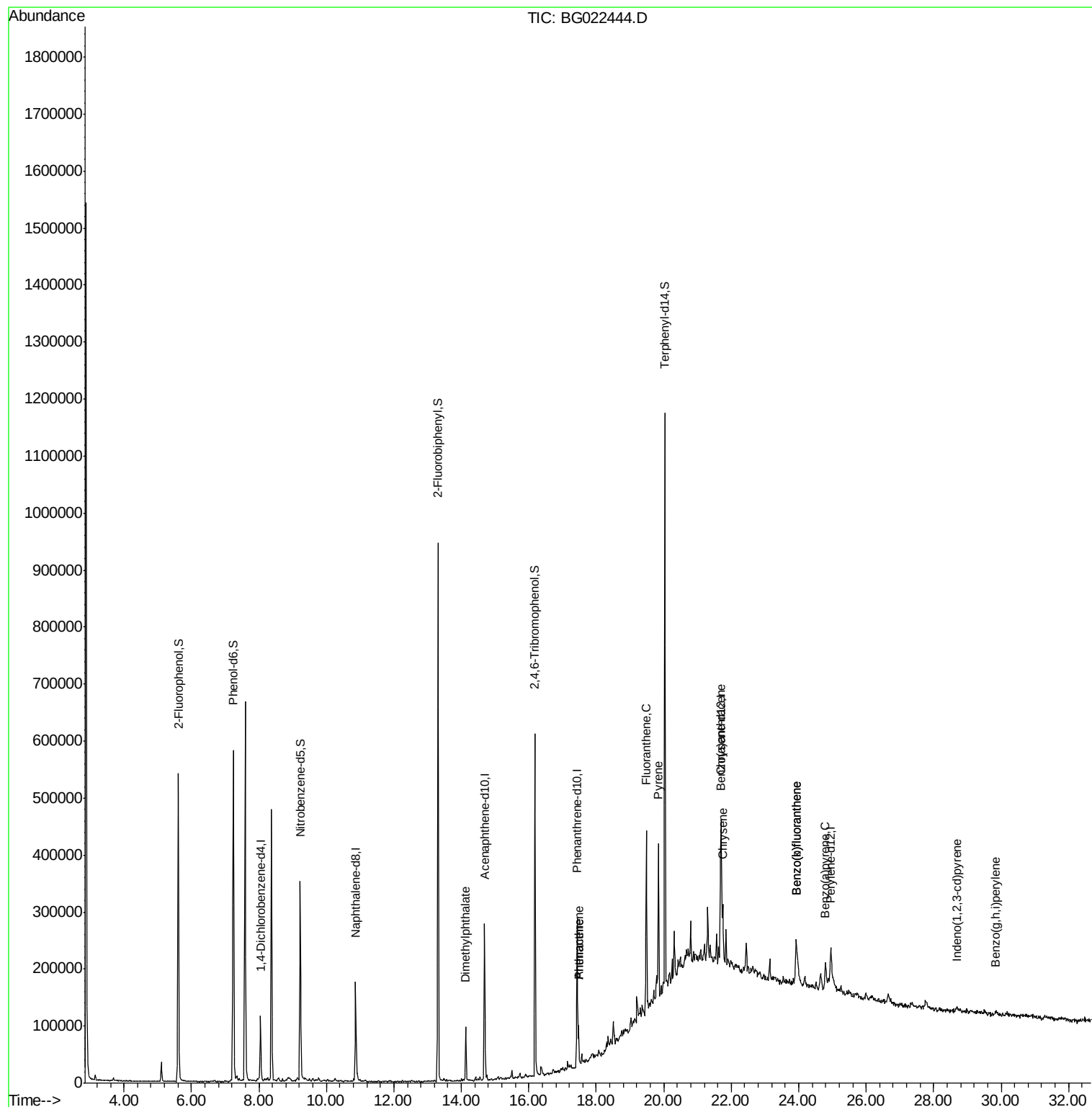
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	40416	20.00	ng	-0.04
21) Naphthalene-d8	10.87	136	190767	20.00	ng	-0.04
38) Acenaphthene-d10	14.69	164	100690	20.00	ng	-0.04
63) Phenanthrene-d10	17.44	188	176497	20.00	ng	-0.03
75) Chrysene-d12	21.70	240	133769	20.00	ng	-0.04
86) Perylene-d12	24.95	264	99451	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	349024	166.97	ng	-0.03
7) Phenol-d6	7.24	99	511526	155.64	ng	-0.02
23) Nitrobenzene-d5	9.22	82	281085	102.73	ng	-0.04
41) 2,4,6-Tribromophenol	16.18	330	127207	111.81	ng	-0.03
44) 2-Fluorobiphenyl	13.30	172	559500	84.68	ng	-0.04
78) Terphenyl-d14	20.03	244	440299	78.14	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	14.13	163	76529	9.17	ng	99
70) Phenanthrene	17.48	178	43847	4.57	ng	98
71) Anthracene	17.48	178	43847	4.61	ng	97
74) Fluoranthene	19.48	202	198158	17.98	ng	97
77) Pyrene	19.84	202	169563	20.39	ng	98
80) Benzo(a)anthracene	21.68	228	81571	10.87	ng	97
82) Chrysene	21.75	228	76467	10.48	ng	96
85) Indeno(1,2,3-cd)pyrene	28.69	276	18174	2.22	ng	# 77
87) Benzo(b)fluoranthene	23.92	252	78357	13.51	ng	# 89
88) Benzo(k)fluoranthene	23.92	252	78357	13.72	ng	# 89
89) Benzo(a)pyrene	24.80	252	50559	9.12	ng	# 80
91) Benzo(g,h,i)perylene	29.83	276	11150	2.05	ng	# 86

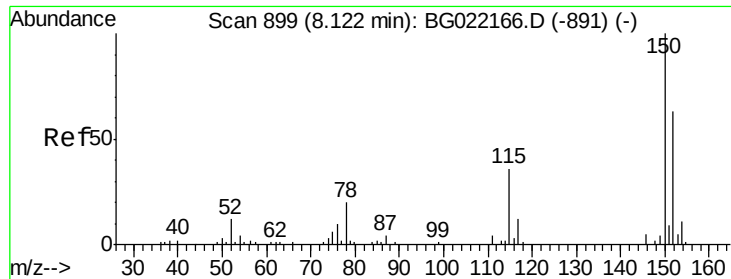
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061716\
Data File : BG022444.D
Acq On : 19 Jun 2016 4:38
Operator : UM/SJ
Sample : H3489-07
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
S7-B5(6-12)C

Quant Time: Jun 20 01:28:45 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 17:40:23 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 886

Delta R.T. -0.04 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

S7-B5(6-12)C

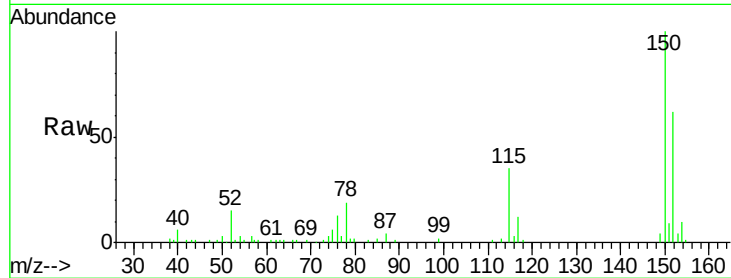
Tgt Ion:152 Resp: 40416

Ion Ratio Lower Upper

152 100

150 160.6 130.1 195.1

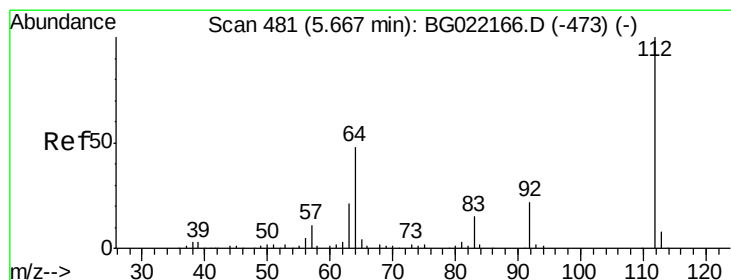
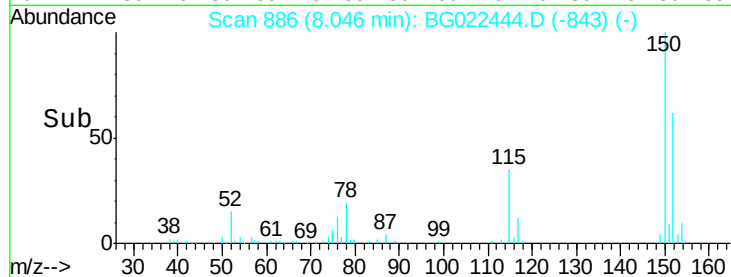
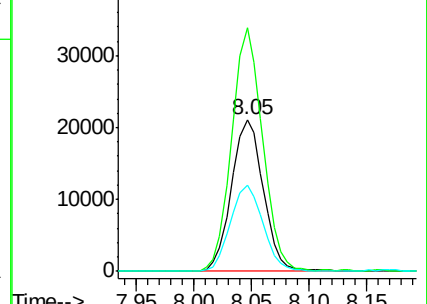
115 56.7 62.2 93.2#



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: 166.97 ng

RT: 5.61 min Scan# 471

Delta R.T. -0.03 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

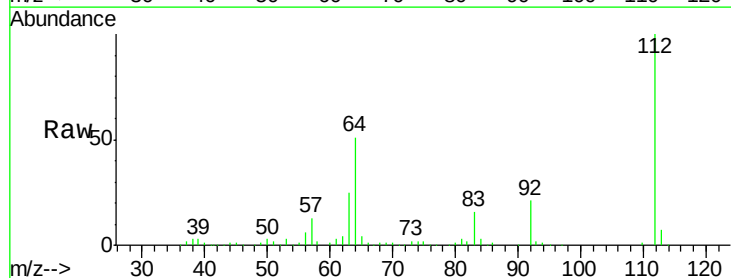
Tgt Ion:112 Resp: 349024

Ion Ratio Lower Upper

112 100

64 50.7 51.1 76.7#

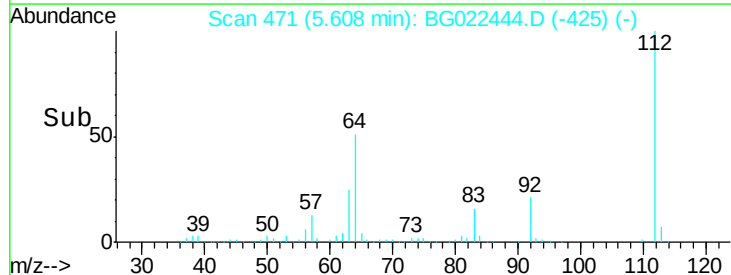
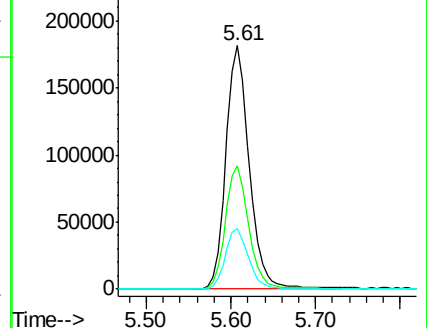
63 25.0 24.6 37.0

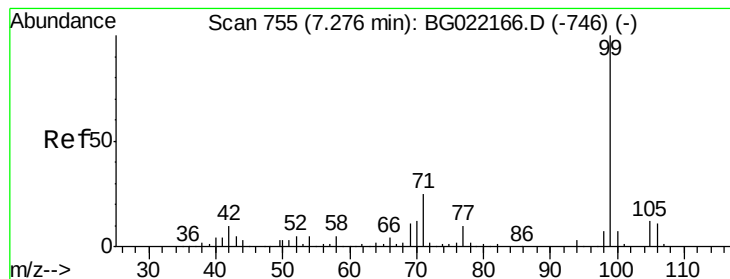


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 155.64 ng

RT: 7.24 min Scan# 748

Delta R.T. -0.02 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

S7-B5(6-12)C

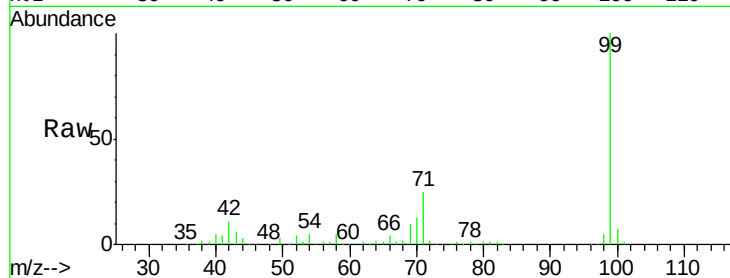
Tgt Ion: 99 Resp: 511526

Ion Ratio Lower Upper

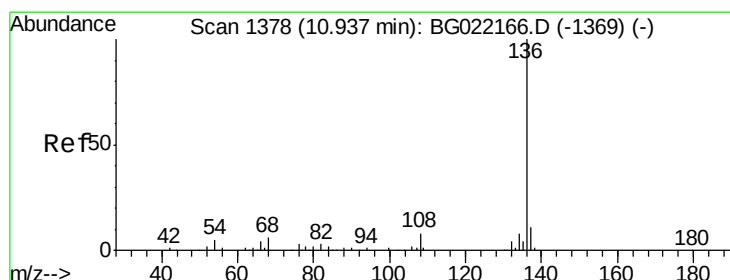
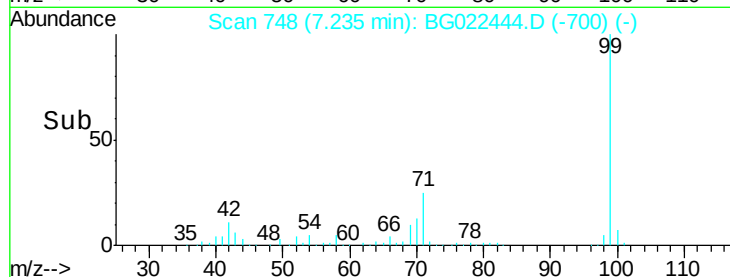
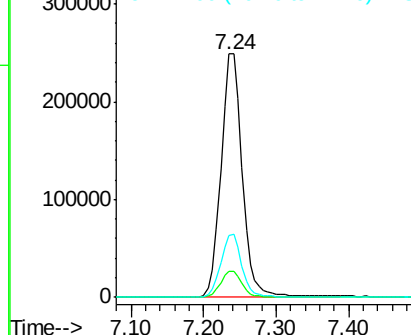
99 100

42 10.7 16.4 24.6#

71 25.3 25.0 37.4



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.87 min Scan# 1366

Delta R.T. -0.04 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

Tgt Ion: 136 Resp: 190767

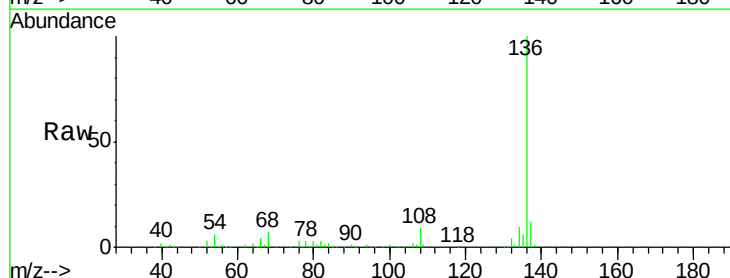
Ion Ratio Lower Upper

136 100

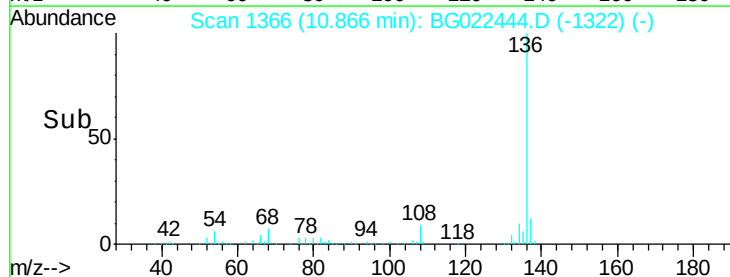
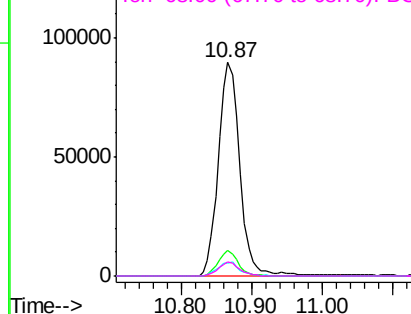
137 12.2 9.0 13.4

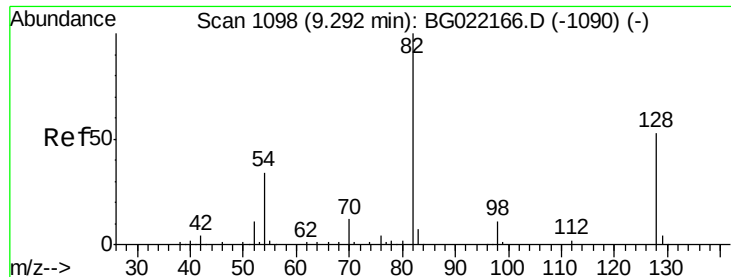
54 6.2 9.6 14.4#

68 6.7 6.4 9.6



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

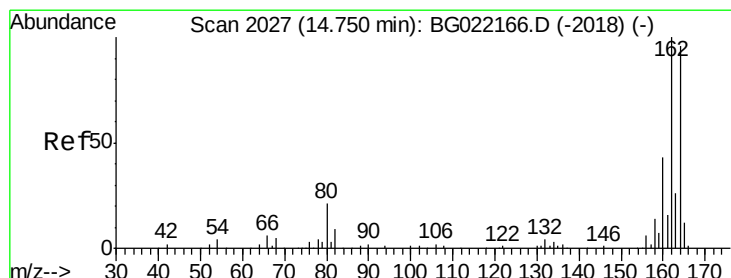
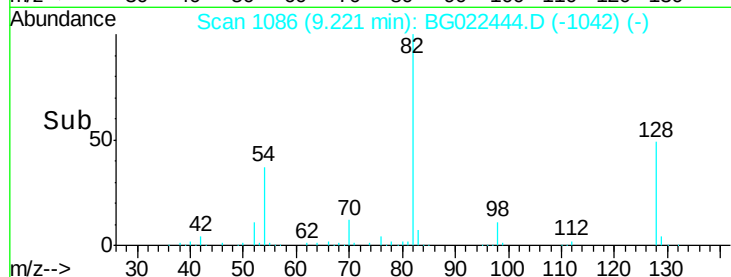
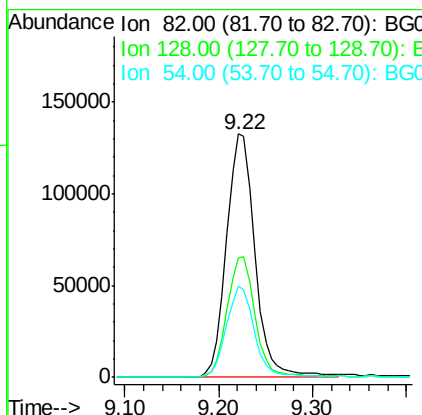
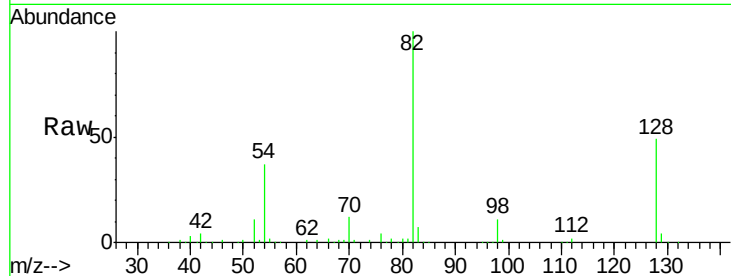




#23
 Nitrobenzene-d5
 Concen: 102.73 ng
 RT: 9.22 min Scan# 1086
 Delta R.T. -0.04 min
 Lab File: BG022444.D
 Acq: 19 Jun 2016 4:38

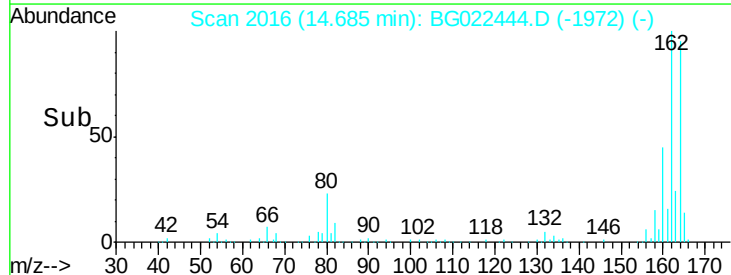
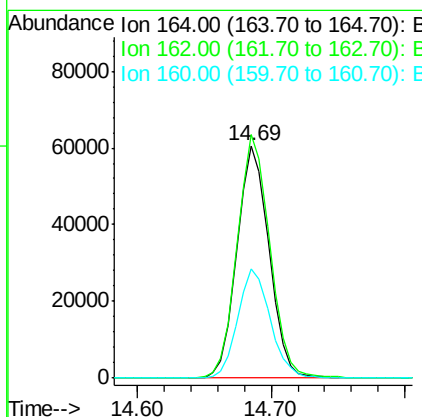
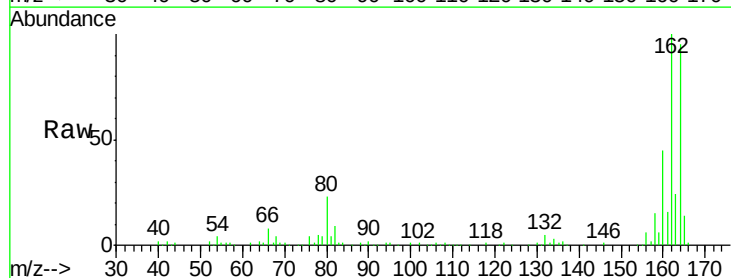
Instrument :
 BNA_G
 ClientSampleId :
 S7-B5(6-12)C

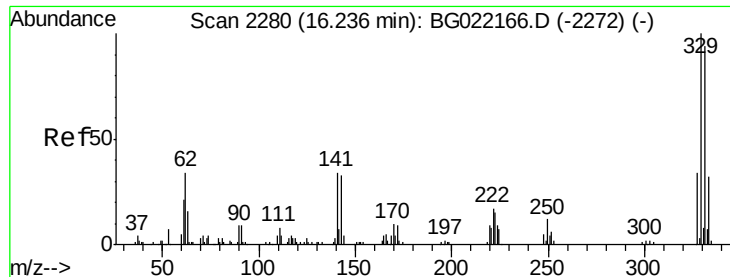
Tgt Ion: 82 Resp: 281085
 Ion Ratio Lower Upper
 82 100
 128 48.9 33.4 50.0
 54 37.4 46.1 69.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.69 min Scan# 2016
 Delta R.T. -0.04 min
 Lab File: BG022444.D
 Acq: 19 Jun 2016 4:38

Tgt Ion: 164 Resp: 100690
 Ion Ratio Lower Upper
 164 100
 162 104.7 78.0 117.0
 160 46.8 32.9 49.3

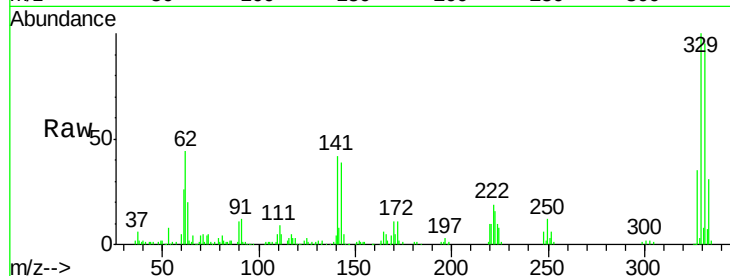




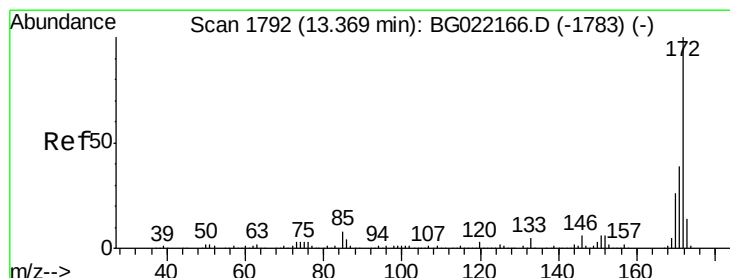
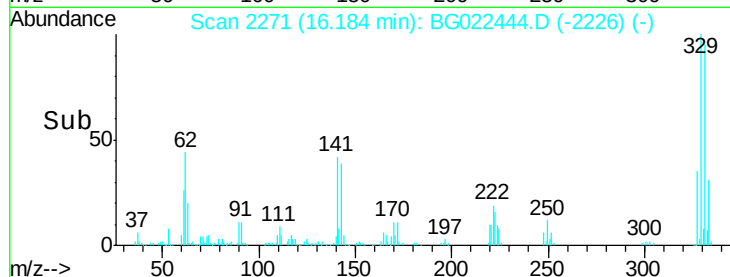
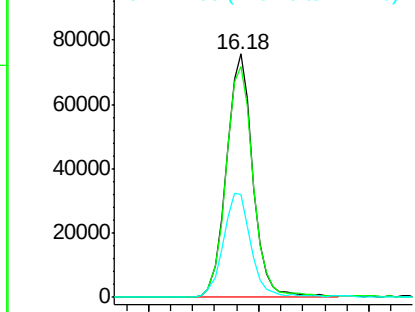
#41
 2,4,6-Tribromophenol
 Concen: 111.81 ng
 RT: 16.18 min Scan# 2271
 Delta R.T. -0.03 min
 Lab File: BG022444.D
 Acq: 19 Jun 2016 4:38

Instrument :
 BNA_G
 ClientSampleId :
 S7-B5(6-12)C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.0	117.0
141	44.7	33.8	50.8

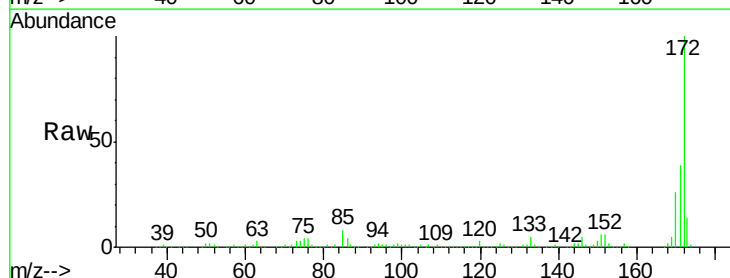


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

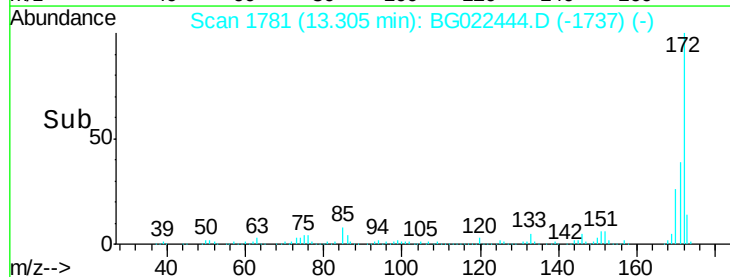
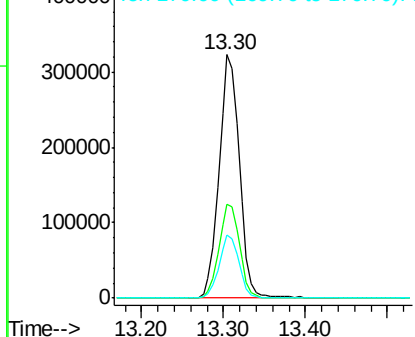


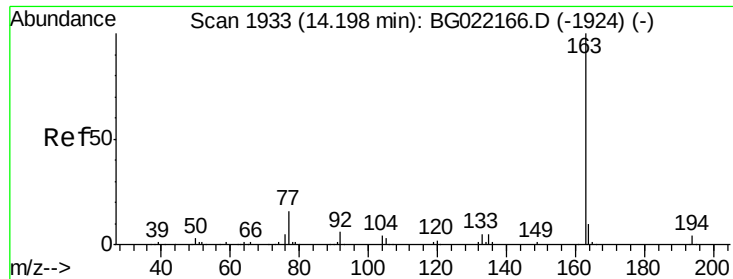
#44
 2-Fluorobiphenyl
 Concen: 84.68 ng
 RT: 13.30 min Scan# 1781
 Delta R.T. -0.04 min
 Lab File: BG022444.D
 Acq: 19 Jun 2016 4:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.8	27.8	41.6
170	25.8	19.6	29.4



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

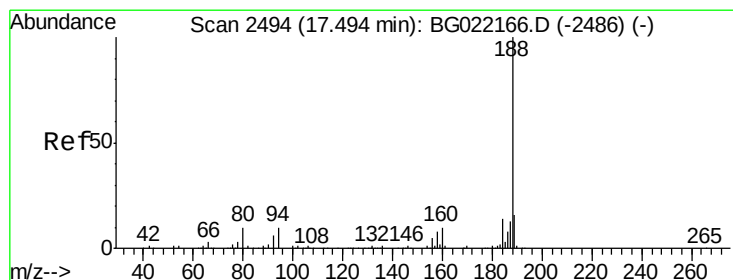
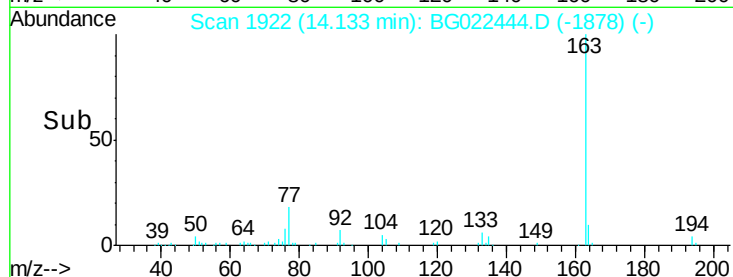
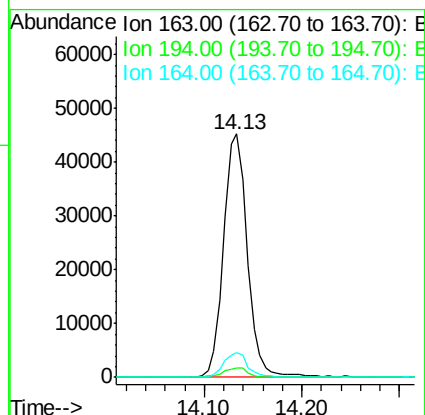
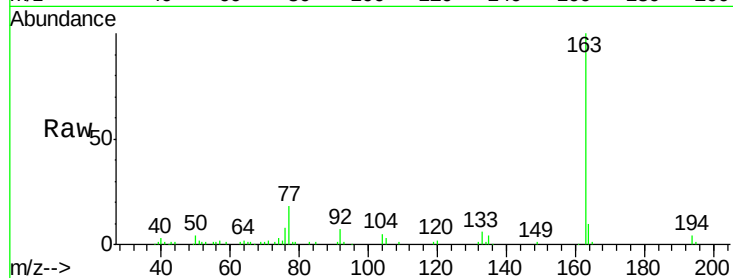




#49
Dimethylphthalate
Concen: 9.17 ng
RT: 14.13 min Scan# 1922
Delta R.T. -0.04 min
Lab File: BG022444.D
Acq: 19 Jun 2016 4:38

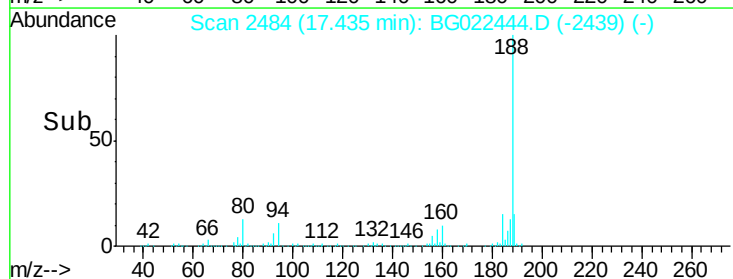
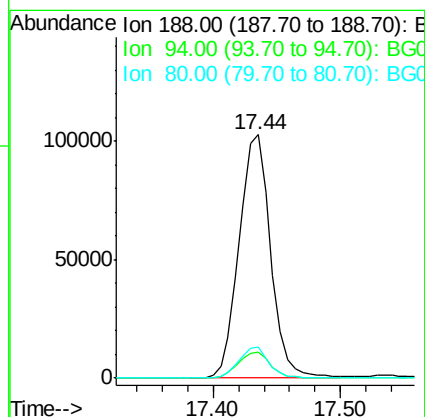
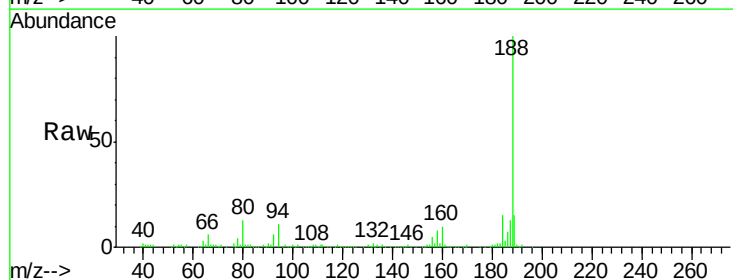
Instrument :
BNA_G
ClientSampleId :
S7-B5(6-12)C

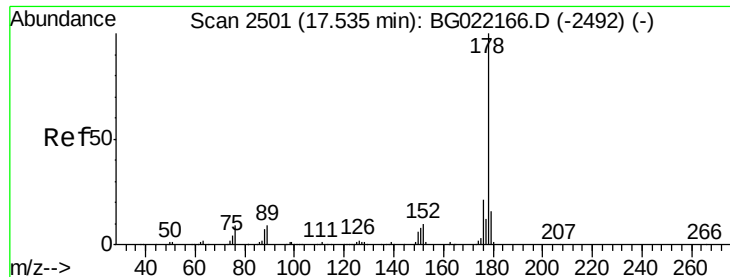
Tgt Ion:163 Resp: 76529
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 10.4 8.1 12.1



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.44 min Scan# 2484
Delta R.T. -0.03 min
Lab File: BG022444.D
Acq: 19 Jun 2016 4:38

Tgt Ion:188 Resp: 176497
Ion Ratio Lower Upper
188 100
94 10.8 7.5 11.3
80 13.0 8.6 13.0#





#70

Phenanthrene

Concen: 4.57 ng

RT: 17.48 min Scan# 2491

Delta R.T. -0.03 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

S7-B5(6-12)C

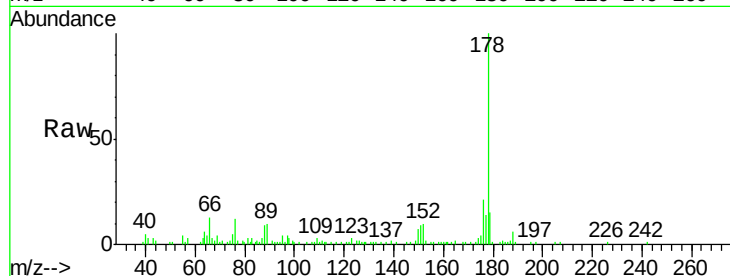
Tgt Ion:178 Resp: 43847

Ion Ratio Lower Upper

178 100

176 21.3 16.2 24.4

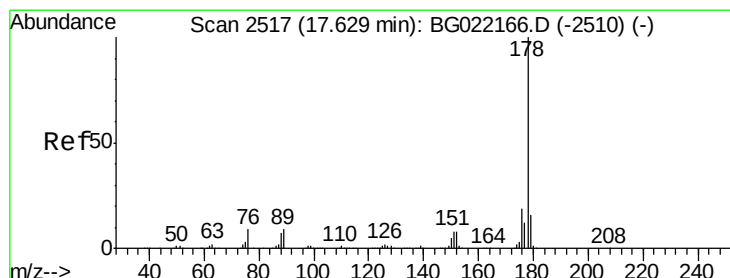
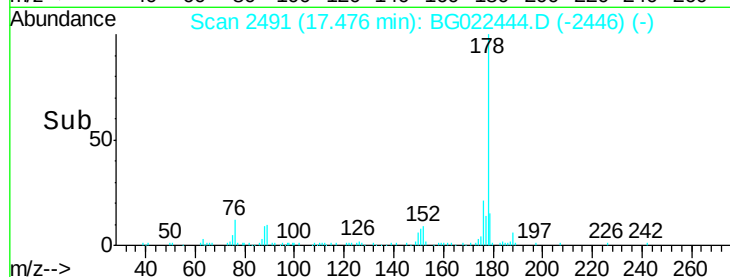
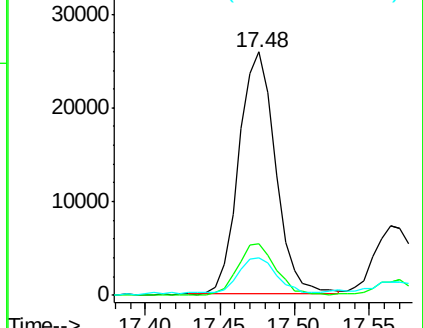
179 15.3 12.0 18.0



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



#71

Anthracene

Concen: 4.61 ng

RT: 17.48 min Scan# 2491

Delta R.T. -0.13 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

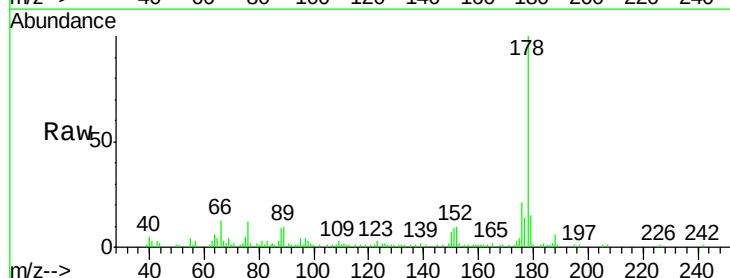
Tgt Ion:178 Resp: 43847

Ion Ratio Lower Upper

178 100

176 21.3 15.0 22.4

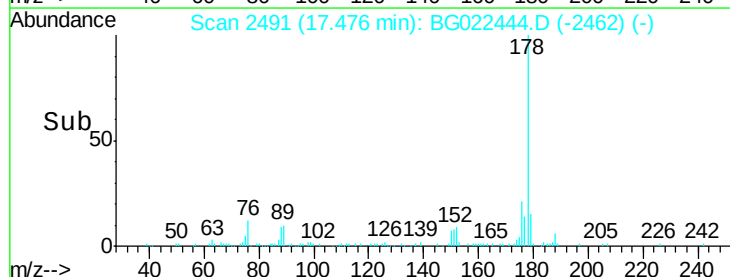
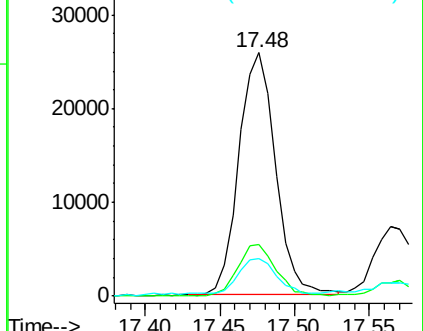
179 15.3 12.2 18.4

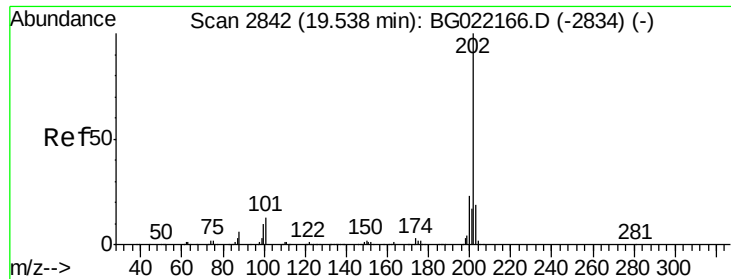


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

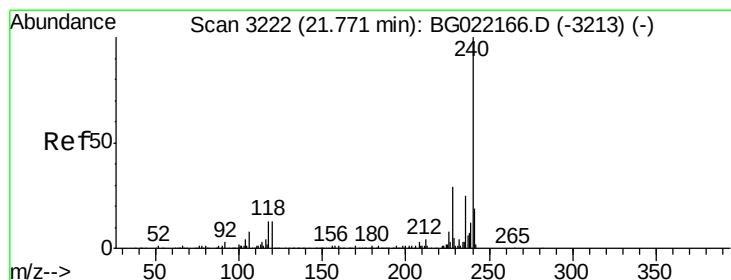
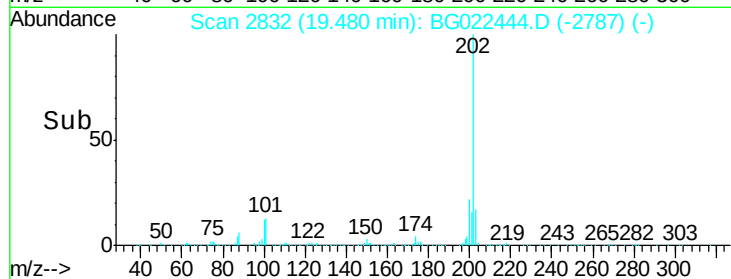
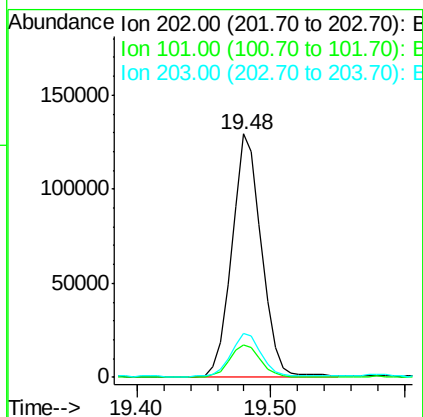
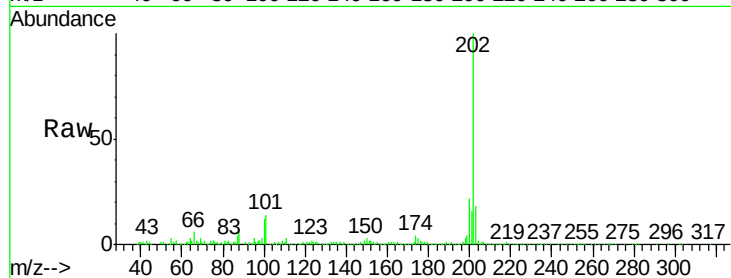




#74
Fluoranthene
Concen: 17.98 ng
RT: 19.48 min Scan# 2832
Delta R.T. -0.03 min
Lab File: BG022444.D
Acq: 19 Jun 2016 4:38

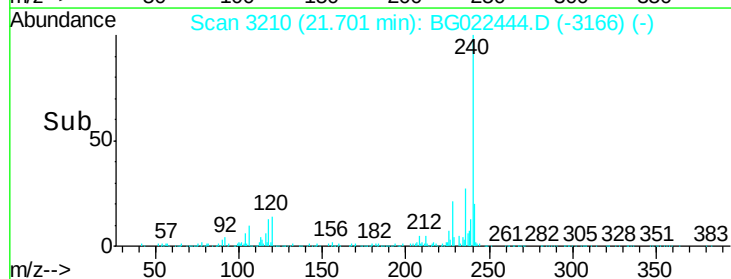
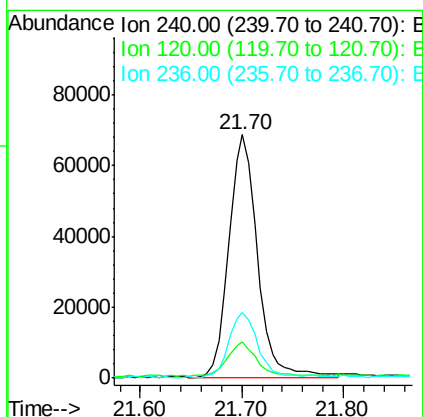
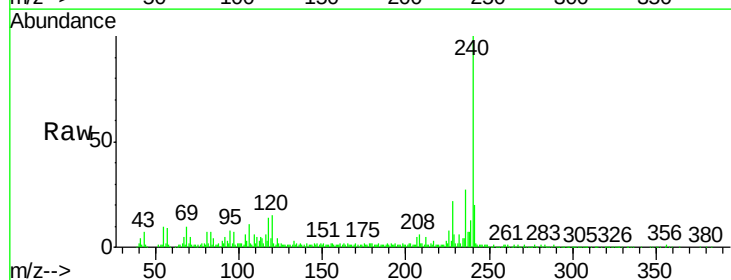
Instrument :
BNA_G
ClientSampleId :
S7-B5(6-12)C

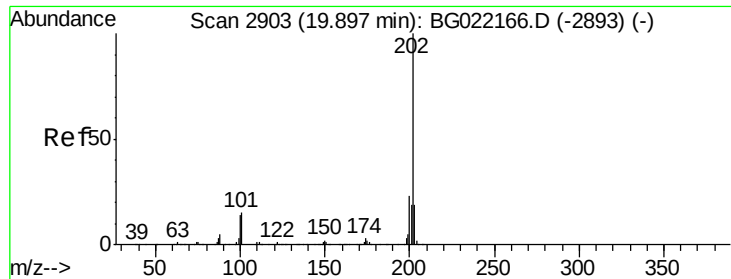
Tgt Ion:	202	Resp:	198158
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	31.0
203	17.8	0.0	37.9



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.70 min Scan# 3210
Delta R.T. -0.04 min
Lab File: BG022444.D
Acq: 19 Jun 2016 4:38

Tgt Ion:	240	Resp:	133769
Ion Ratio	Lower	Upper	
240	100		
120	14.9	8.4	12.6#
236	27.0	19.6	29.4

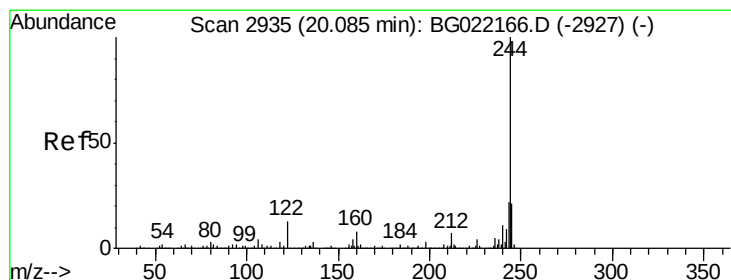
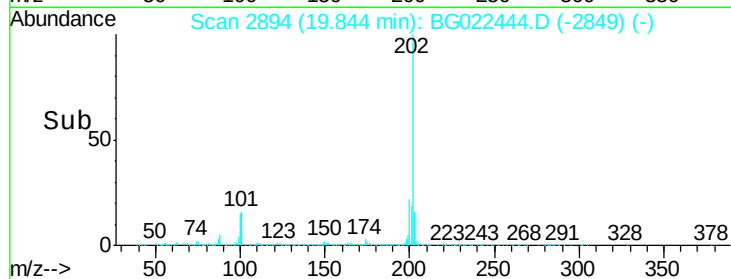
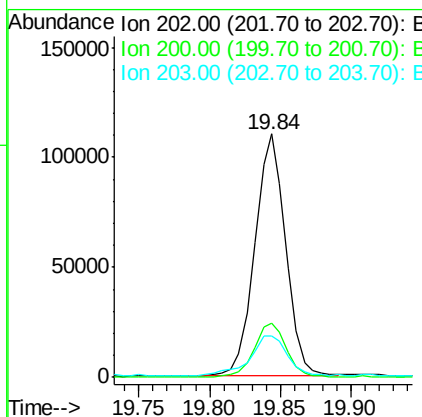
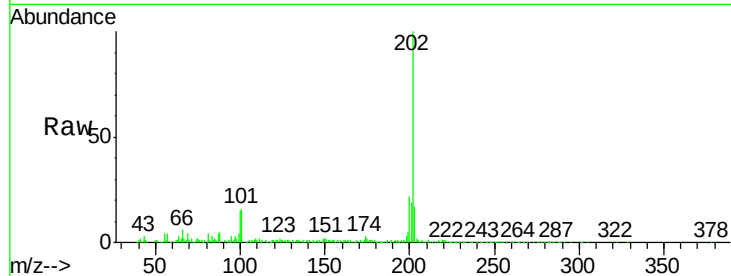




#77
Pyrene
 Concen: 20.39 ng
 RT: 19.84 min Scan# 2894
 Delta R.T. -0.03 min
 Lab File: BG022444.D
 Acq: 19 Jun 2016 4:38

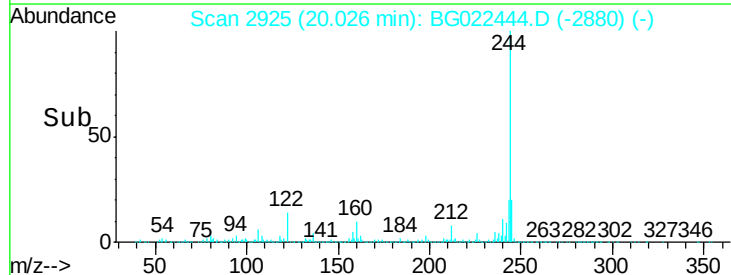
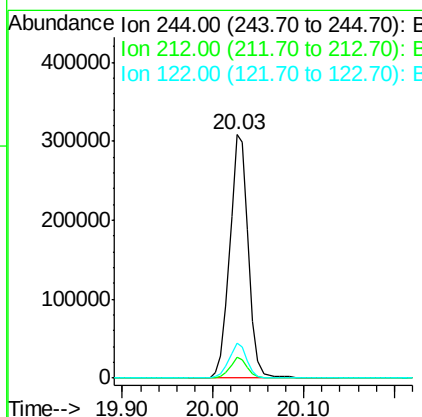
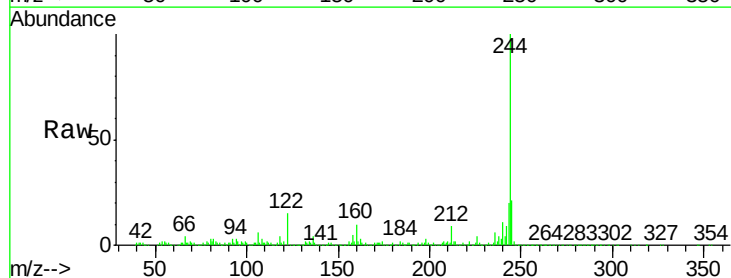
Instrument :
 BNA_G
 ClientSampleId :
 S7-B5(6-12)C

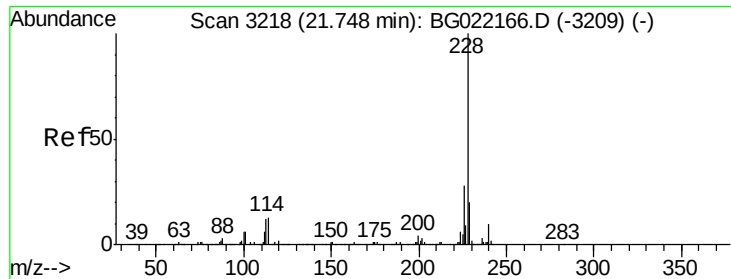
Tgt Ion:	202	Resp:	169563
Ion	Ratio	Lower	Upper
202	100		
200	22.1	18.2	27.2
203	17.1	15.0	22.4



#78
Terphenyl-d14
 Concen: 78.14 ng
 RT: 20.03 min Scan# 2925
 Delta R.T. -0.03 min
 Lab File: BG022444.D
 Acq: 19 Jun 2016 4:38

Tgt Ion:	244	Resp:	440299
Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.5	9.7
122	14.6	8.6	12.8#

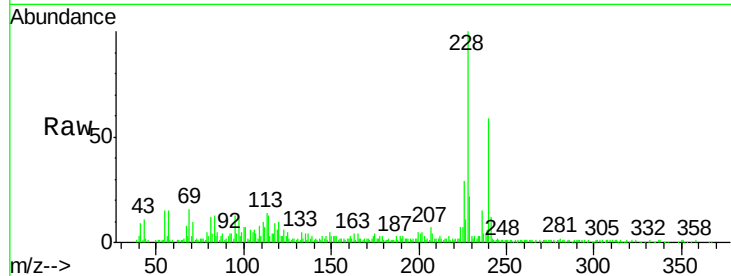




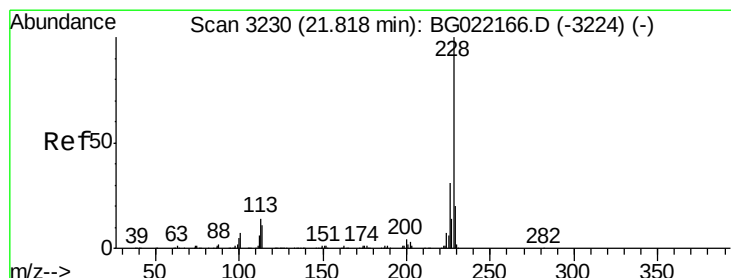
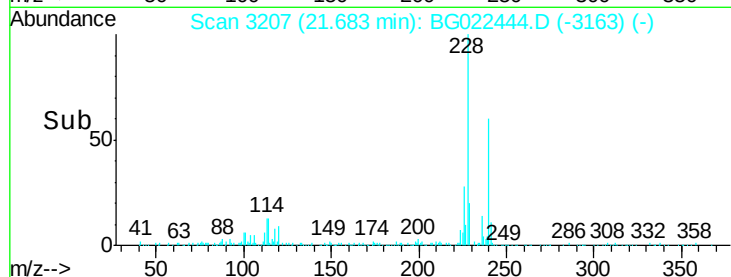
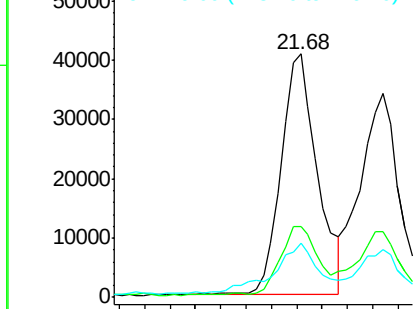
#80
Benzo(a)anthracene
Concen: 10.87 ng
RT: 21.68 min Scan# 3207
Delta R.T. -0.04 min
Lab File: BG022444.D
Acq: 19 Jun 2016 4:38

Instrument :
BNA_G
ClientSampleId :
S7-B5(6-12)C

Tgt Ion:228 Resp: 81571
Ion Ratio Lower Upper
228 100
226 29.0 22.6 34.0
229 22.0 16.1 24.1

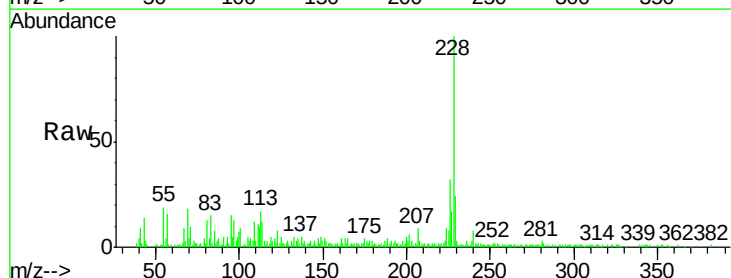


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

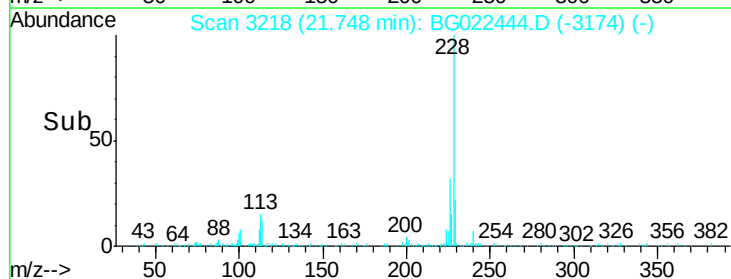
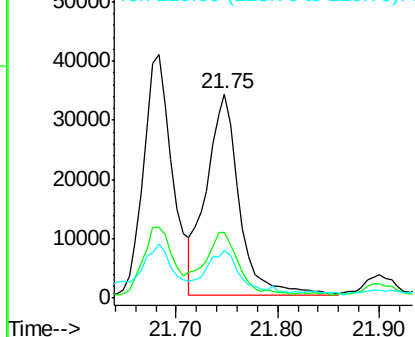


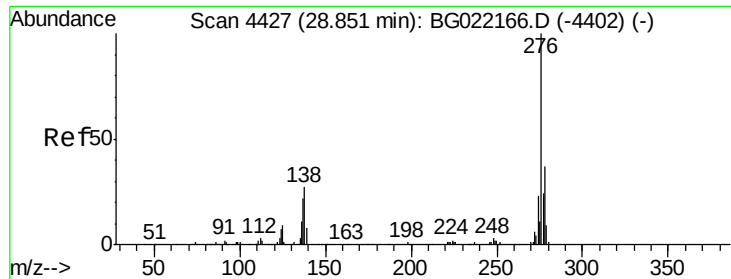
#82
Chrysene
Concen: 10.48 ng
RT: 21.75 min Scan# 3218
Delta R.T. -0.04 min
Lab File: BG022444.D
Acq: 19 Jun 2016 4:38

Tgt Ion:228 Resp: 76467
Ion Ratio Lower Upper
228 100
226 32.4 25.4 38.0
229 23.6 15.9 23.9



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

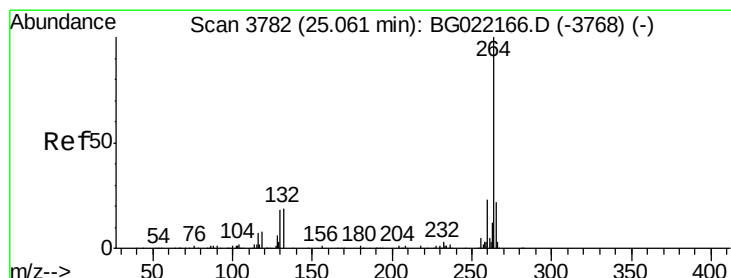
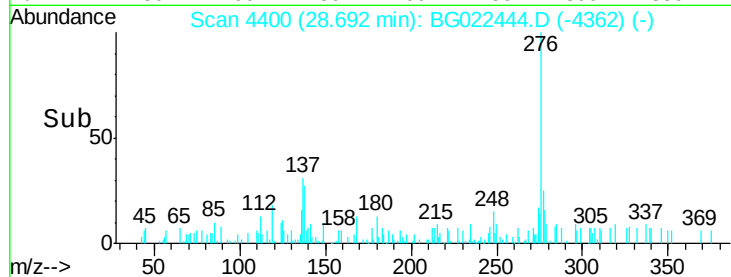
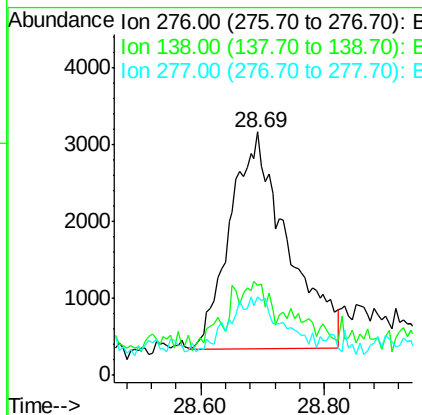
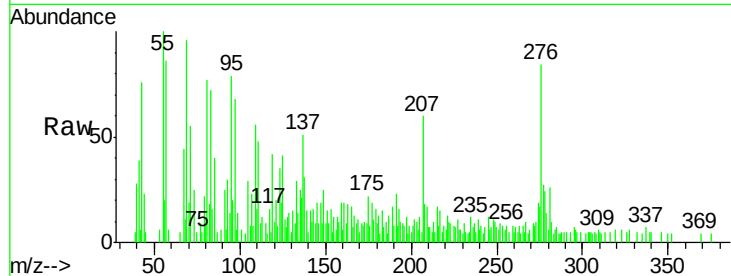




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.22 ng
 RT: 28.69 min Scan# 4400
 Delta R.T. -0.07 min
 Lab File: BG022444.D
 Acq: 19 Jun 2016 4:38

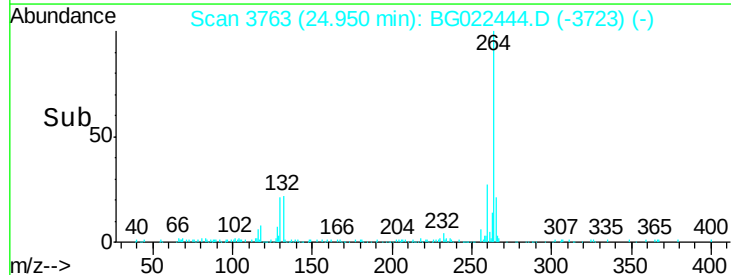
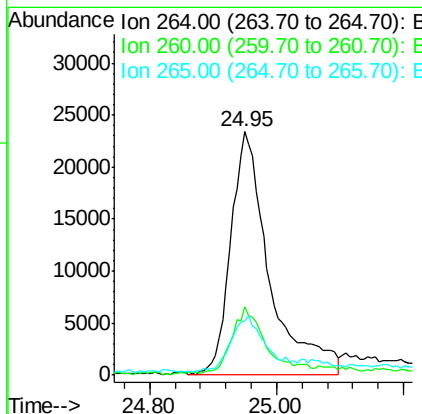
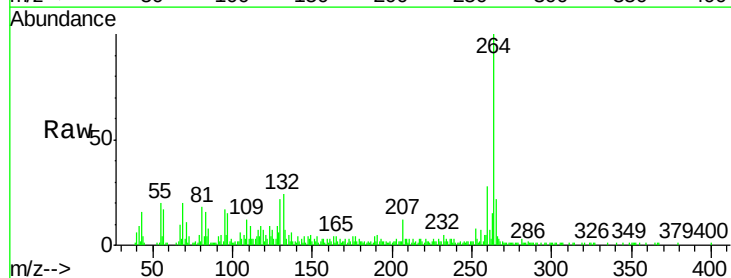
Instrument :
 BNA_G
 ClientSampleId :
 S7-B5(6-12)C

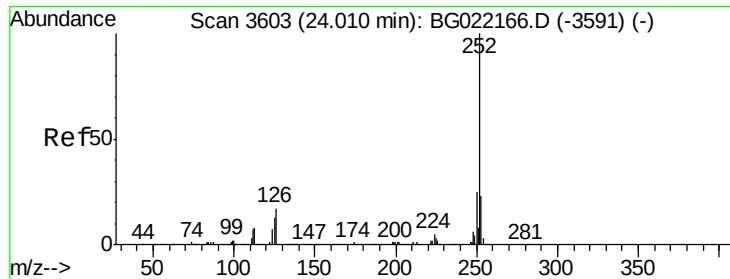
Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.0	14.0	21.0#
277	20.0	20.6	30.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.95 min Scan# 3763
 Delta R.T. -0.06 min
 Lab File: BG022444.D
 Acq: 19 Jun 2016 4:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.8	20.2	30.4
265	22.1	17.8	26.8





#87

Benzo(b)fluoranthene

Concen: 13.51 ng

RT: 23.92 min Scan# 3588

Delta R.T. -0.04 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

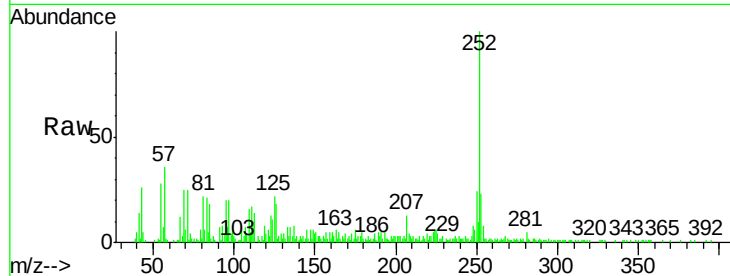
Instrument :

BNA_G

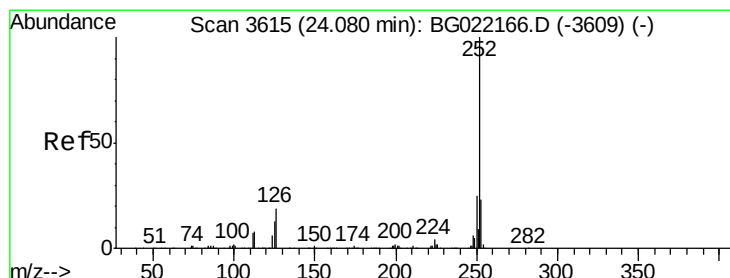
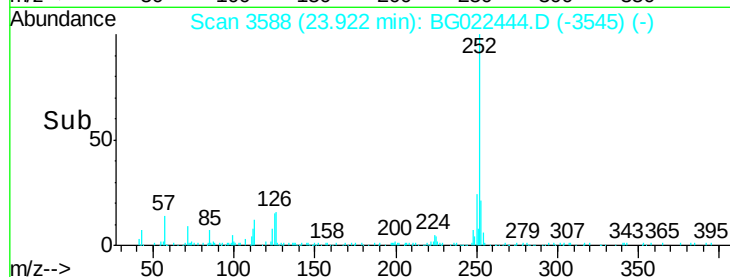
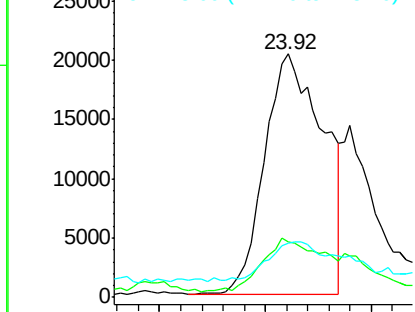
ClientSampleId :

S7-B5(6-12)C

Tgt Ion:	252	Resp:	78357
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.5	26.3
125	22.3	8.6	13.0#



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



#88

Benzo(k)fluoranthene

Concen: 13.72 ng

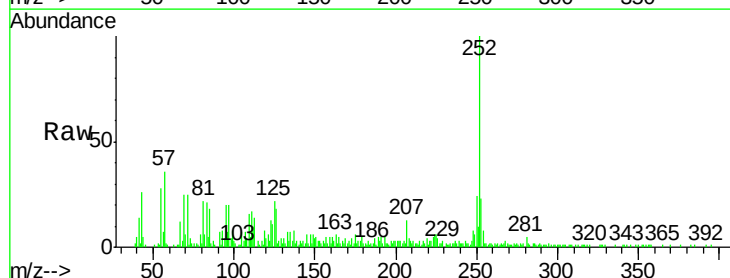
RT: 23.92 min Scan# 3588

Delta R.T. -0.12 min

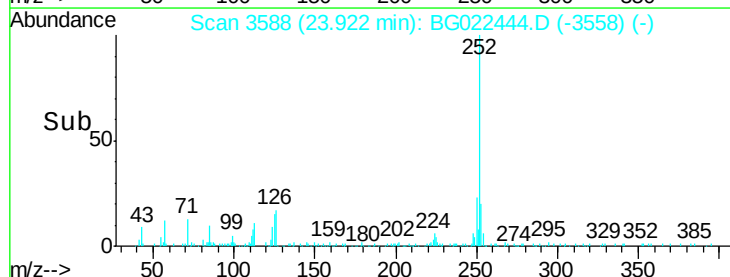
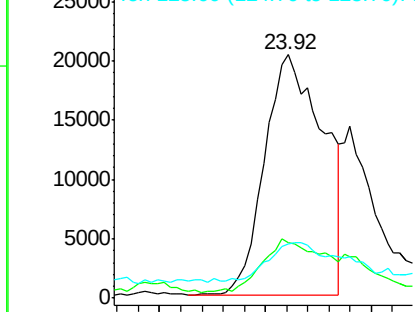
Lab File: BG022444.D

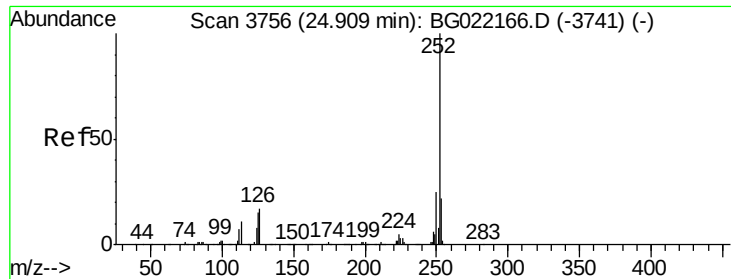
Acq: 19 Jun 2016 4:38

Tgt Ion:	252	Resp:	78357
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.8
125	22.3	8.3	12.5#



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: 9.12 ng

RT: 24.80 min Scan# 3737

Delta R.T. -0.06 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

S7-B5(6-12)C

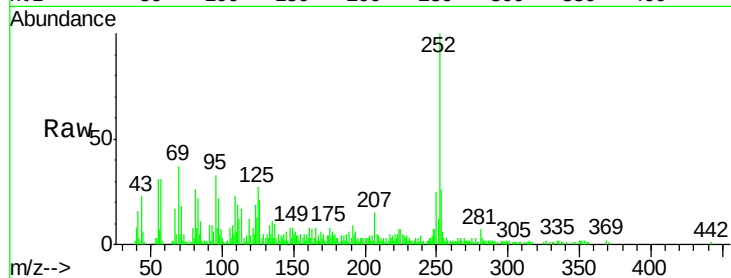
Tgt Ion:252 Resp: 50559

Ion Ratio Lower Upper

252 100

253 25.6 17.1 25.7

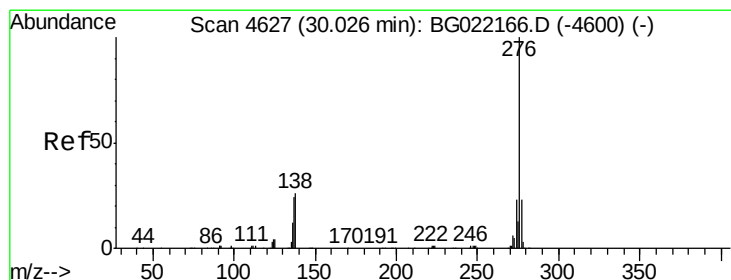
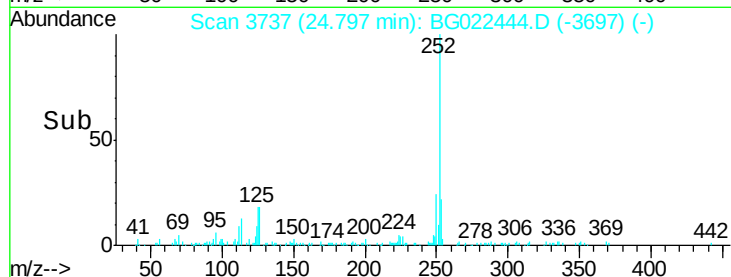
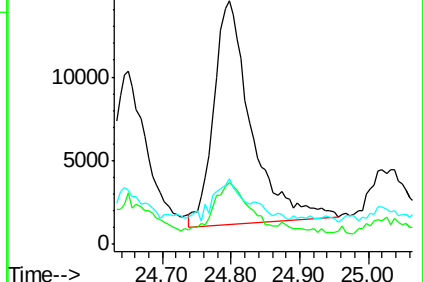
125 27.2 9.6 14.4#



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



#91

Benzo(g,h,i)perylene

Concen: 2.05 ng

RT: 29.83 min Scan# 4594

Delta R.T. -0.11 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

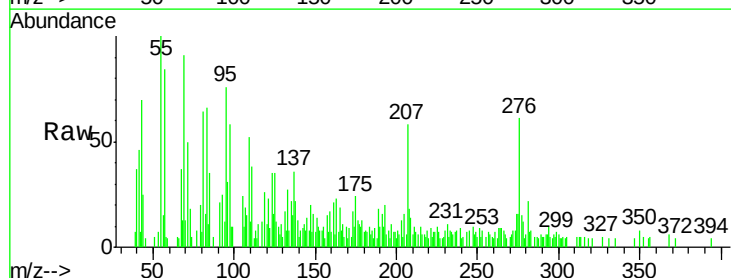
Tgt Ion:276 Resp: 11150

Ion Ratio Lower Upper

276 100

277 23.7 19.4 29.2

138 35.3 17.4 26.0#



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

