

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061716\
 Data File : BG022441.D
 Acq On : 19 Jun 2016 2:38
 Operator : UM/SJ
 Sample : H3514-01
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S5-B1(0-5)C

Quant Time: Jun 20 01:27:55 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

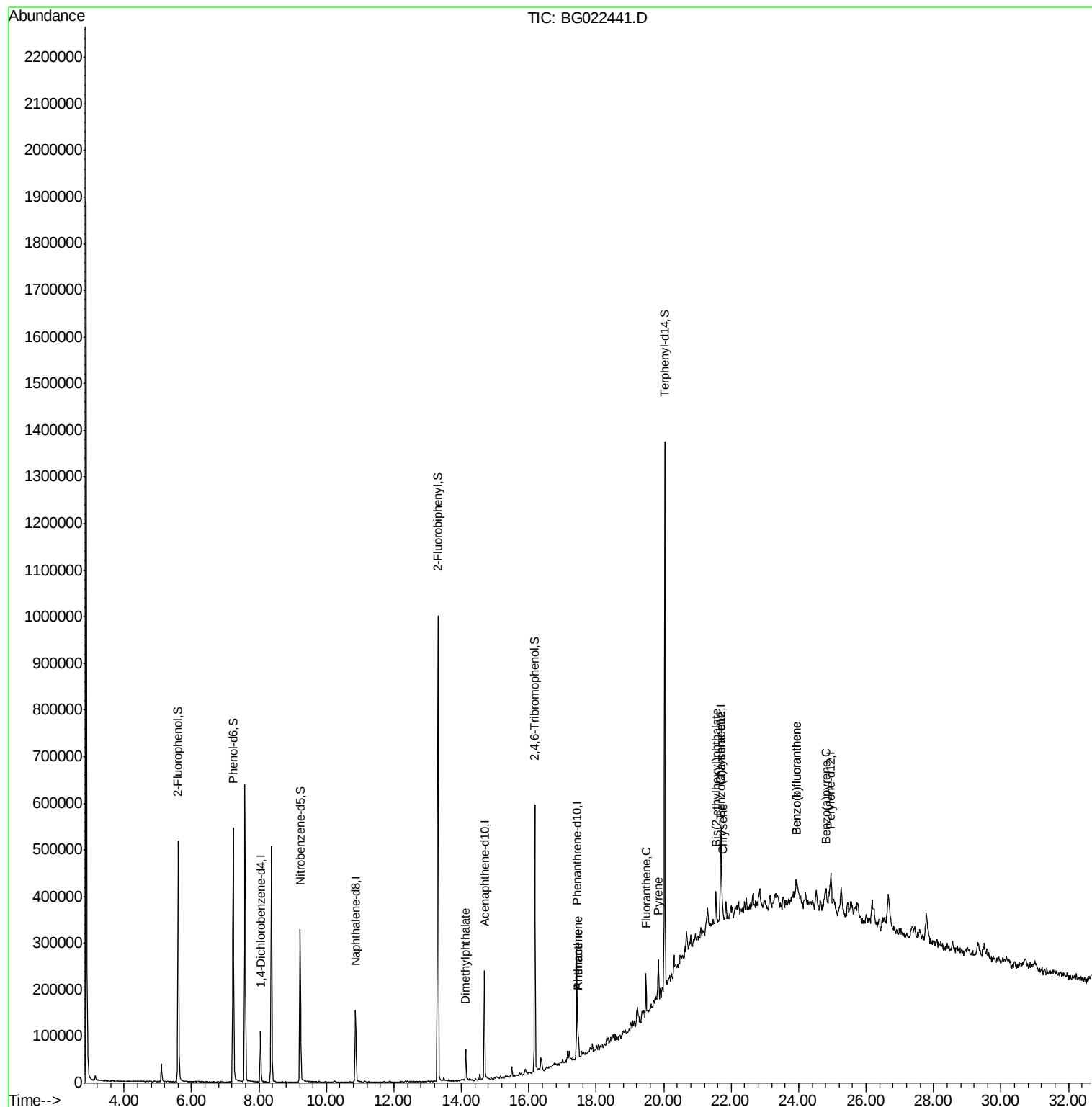
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	39073	20.00	ng	-0.05
21) Naphthalene-d8	10.86	136	173552	20.00	ng	-0.04
38) Acenaphthene-d10	14.68	164	86558	20.00	ng	-0.04
63) Phenanthrene-d10	17.43	188	154862	20.00	ng	-0.04
75) Chrysene-d12	21.70	240	120861	20.00	ng	-0.04
86) Perylene-d12	24.95	264	91313	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	342043	169.25	ng	-0.03
7) Phenol-d6	7.23	99	481662	151.59	ng	-0.02
23) Nitrobenzene-d5	9.22	82	266961	107.24	ng	-0.04
41) 2,4,6-Tribromophenol	16.18	330	116248	118.86	ng	-0.04
44) 2-Fluorobiphenyl	13.30	172	595659	104.87	ng	-0.04
78) Terphenyl-d14	20.02	244	506121	99.42	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	14.13	163	53095	7.40	ng	97
70) Phenanthrene	17.47	178	29262	3.48	ng	99
71) Anthracene	17.47	178	29262	3.51	ng	98
74) Fluoranthene	19.48	202	58294	6.03	ng	96
77) Pyrene	19.84	202	55547	7.39	ng	97
80) Benzo(a)anthracene	21.68	228	27821	4.11	ng	# 92
82) Chrysene	21.74	228	31090	4.71	ng	# 95
83) Bis(2-ethylhexyl)phthalate	21.55	149	32049	6.25	ng	99
87) Benzo(b)fluoranthene	23.93	252	45850	8.61	ng	# 29
88) Benzo(k)fluoranthene	23.93	252	45850	8.75	ng	# 30
89) Benzo(a)pyrene	24.81	252	15643	3.07	ng	# 26

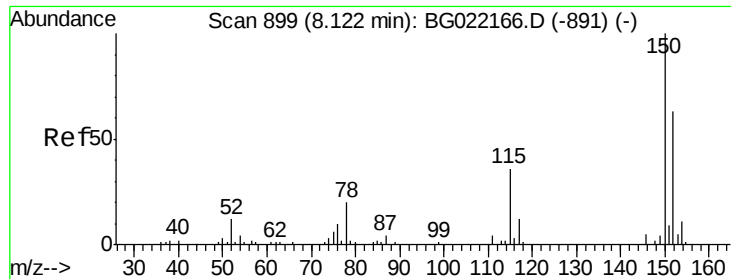
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 886

Delta R.T. -0.05 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

Instrument :

BNA_G

ClientSampleId :

S5-B1(0-5)C

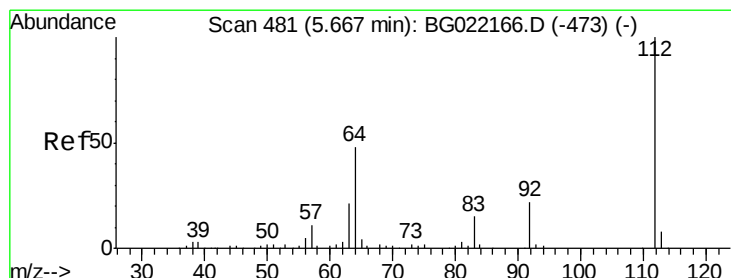
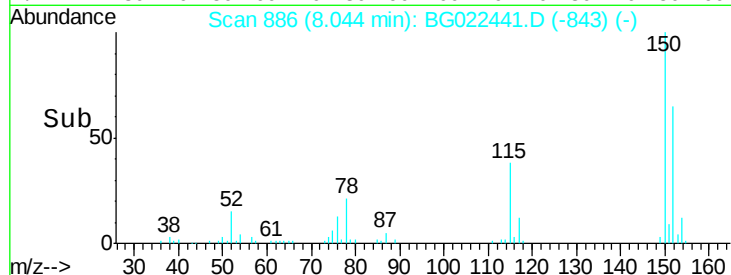
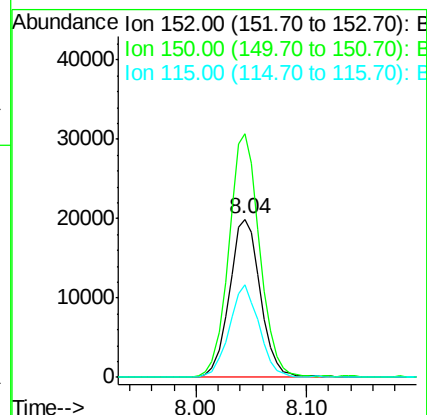
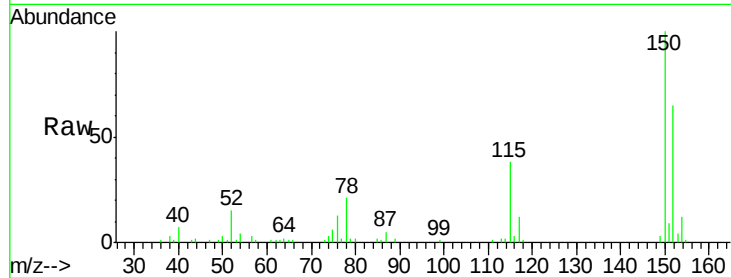
Tgt Ion:152 Resp: 39073

Ion Ratio Lower Upper

152 100

150 154.0 130.1 195.1

115 58.3 62.2 93.2#



#5

2-Fluorophenol

Concen: 169.25 ng

RT: 5.61 min Scan# 471

Delta R.T. -0.03 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

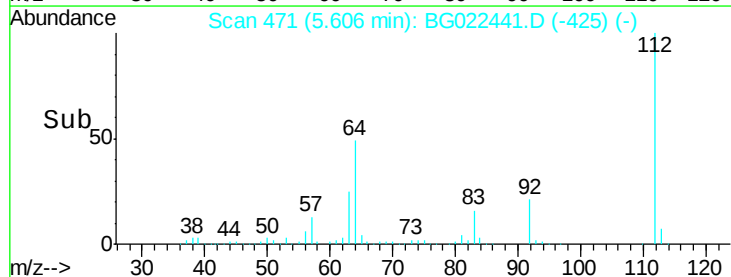
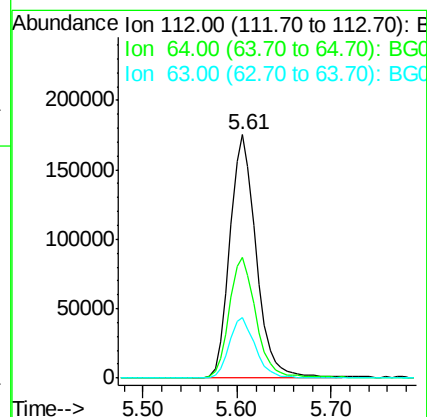
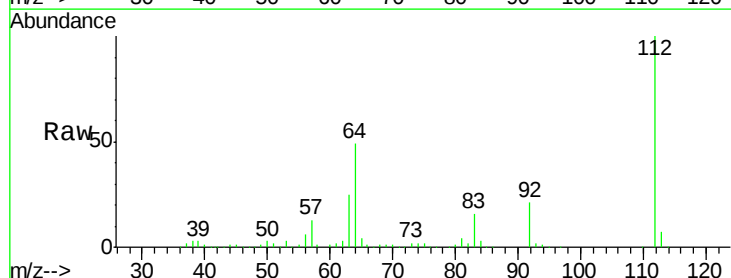
Tgt Ion:112 Resp: 342043

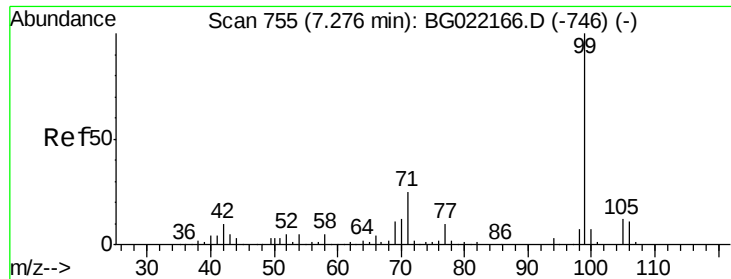
Ion Ratio Lower Upper

112 100

64 49.3 51.1 76.7#

63 24.9 24.6 37.0





#7

Phenol-d6

Concen: 151.59 ng

RT: 7.23 min Scan# 748

Delta R.T. -0.02 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

Instrument :

BNA_G

ClientSampleId :

S5-B1(0-5)C

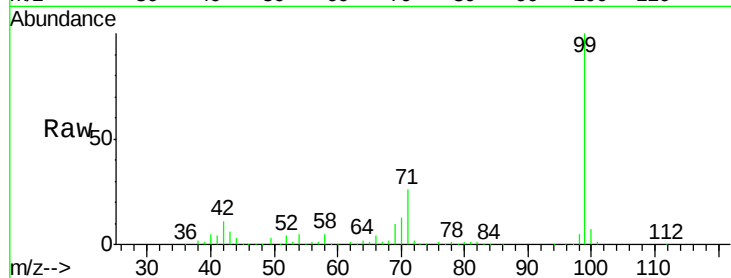
Tgt Ion: 99 Resp: 481662

Ion Ratio Lower Upper

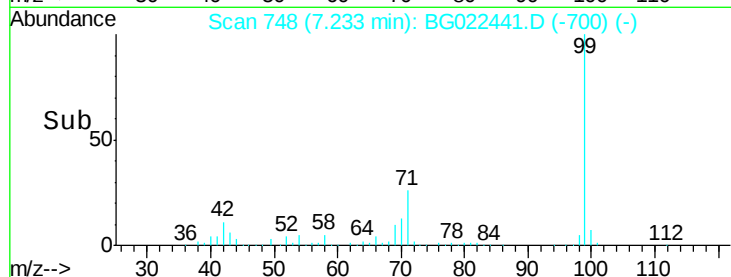
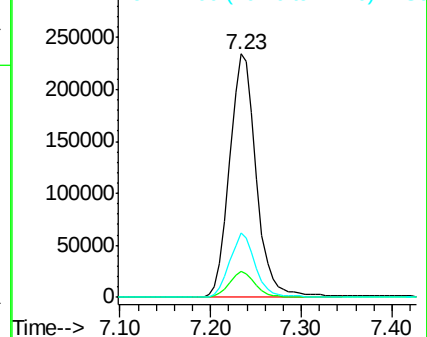
99 100

42 10.5 16.4 24.6#

71 26.4 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: 10.86 min Scan# 1366

Delta R.T. -0.04 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

Tgt Ion: 136 Resp: 173552

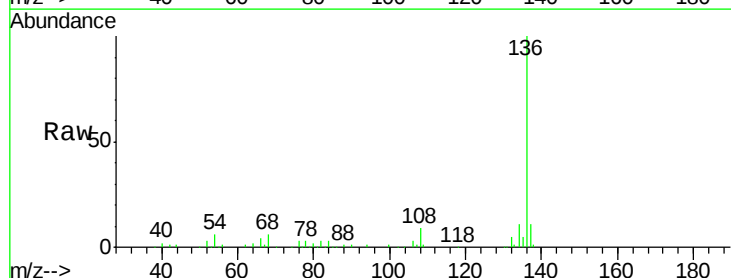
Ion Ratio Lower Upper

136 100

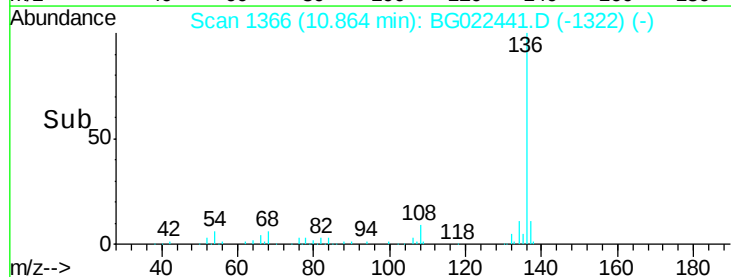
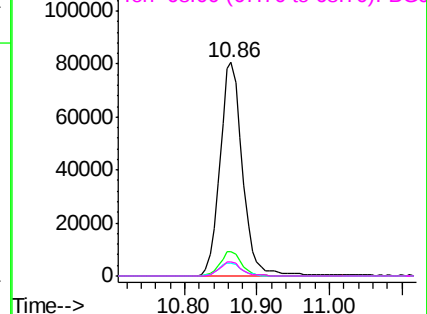
137 11.3 9.0 13.4

54 6.1 9.6 14.4#

68 6.4 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

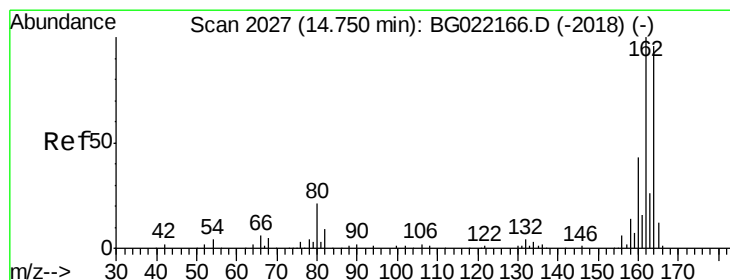
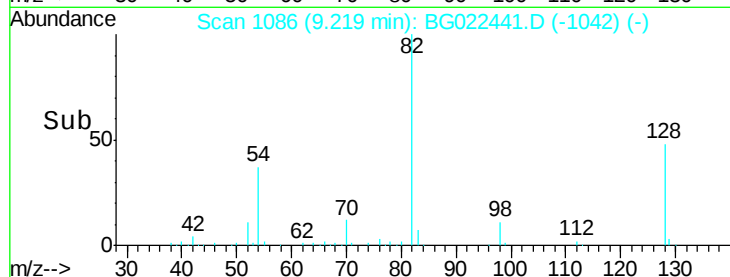
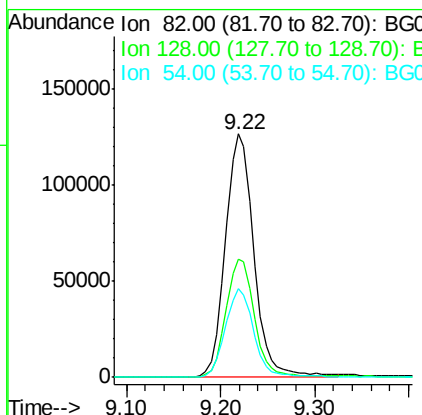
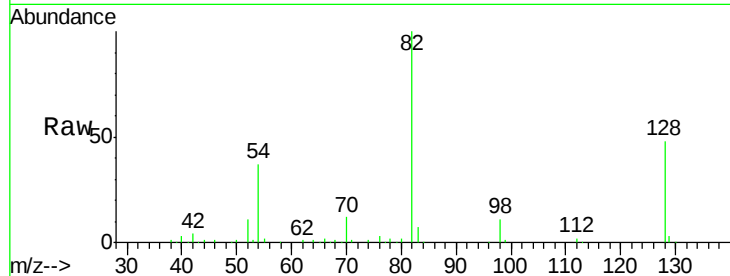




#23
 Nitrobenzene-d5
 Concen: 107.24 ng
 RT: 9.22 min Scan# 1086
 Delta R.T. -0.04 min
 Lab File: BG022441.D
 Acq: 19 Jun 2016 2:38

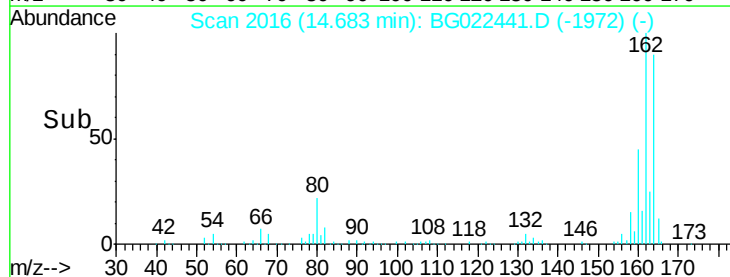
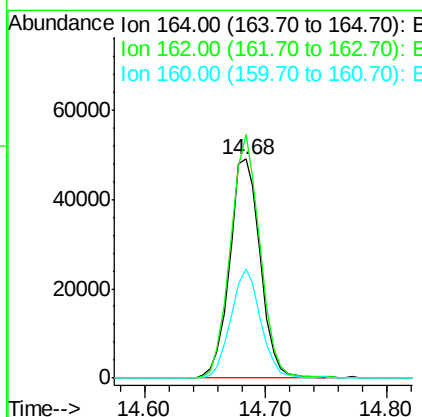
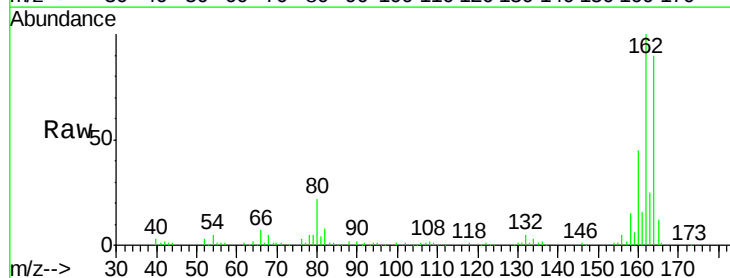
Instrument :
 BNA_G
 ClientSampleId :
 S5-B1(0-5)C

Tgt Ion: 82 Resp: 266961
 Ion Ratio Lower Upper
 82 100
 128 48.4 33.4 50.0
 54 36.7 46.1 69.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.68 min Scan# 2016
 Delta R.T. -0.04 min
 Lab File: BG022441.D
 Acq: 19 Jun 2016 2:38

Tgt Ion: 164 Resp: 86558
 Ion Ratio Lower Upper
 164 100
 162 111.1 78.0 117.0
 160 49.9 32.9 49.3#

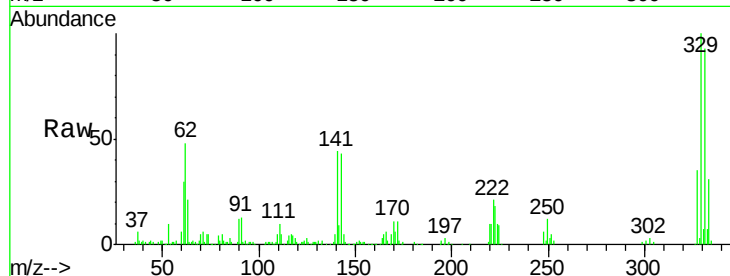




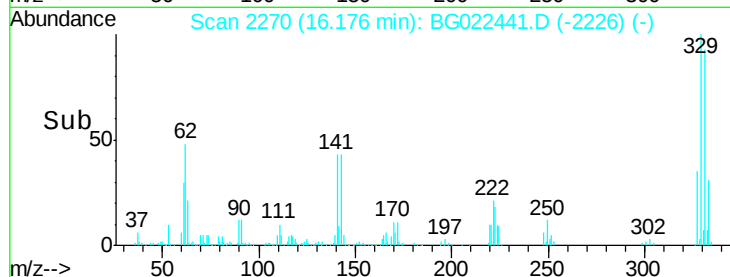
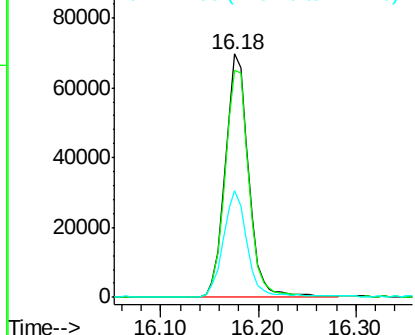
#41
 2,4,6-Tribromophenol
 Concen: 118.86 ng
 RT: 16.18 min Scan# 2270
 Delta R.T. -0.04 min
 Lab File: BG022441.D
 Acq: 19 Jun 2016 2:38

Instrument :
 BNA_G
 ClientSampleId :
 S5-B1(0-5)C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	78.0	117.0
141	44.8	33.8	50.8

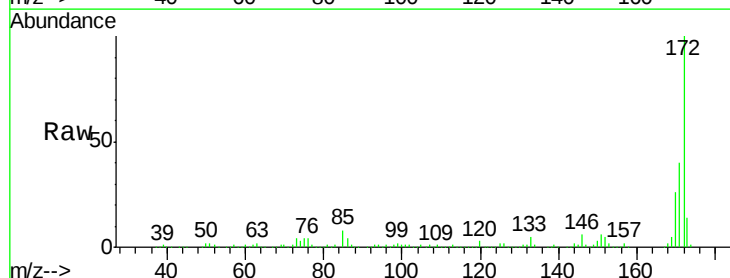


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

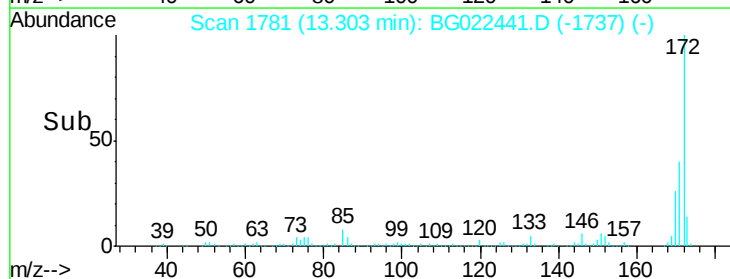
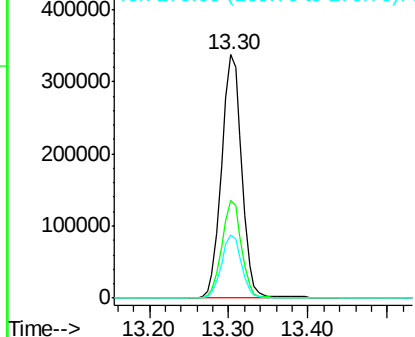


#44
 2-Fluorobiphenyl
 Concen: 104.87 ng
 RT: 13.30 min Scan# 1781
 Delta R.T. -0.04 min
 Lab File: BG022441.D
 Acq: 19 Jun 2016 2:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.9	27.8	41.6
170	26.1	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: 7.40 ng

RT: 14.13 min Scan# 1922

Delta R.T. -0.04 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

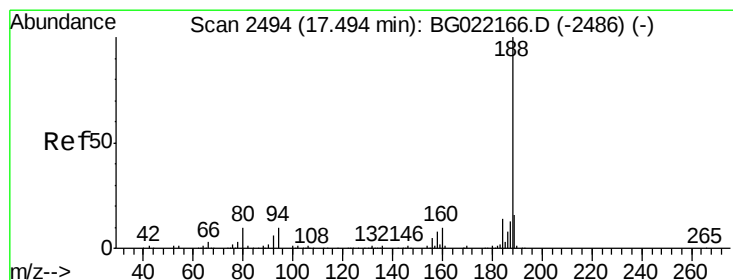
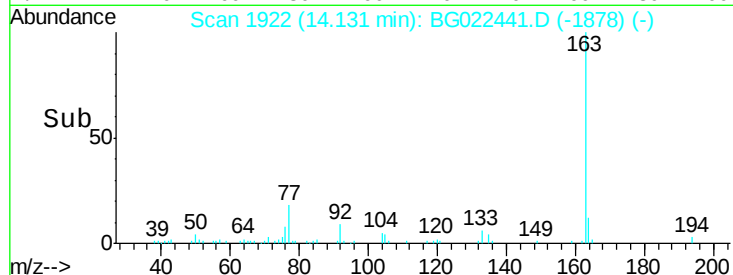
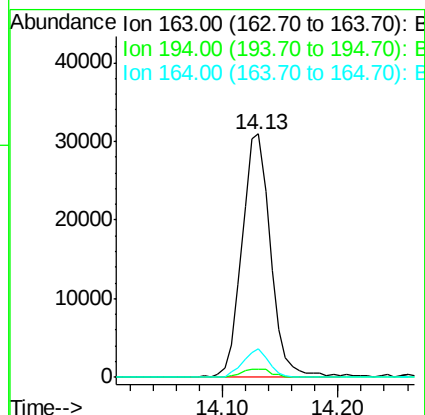
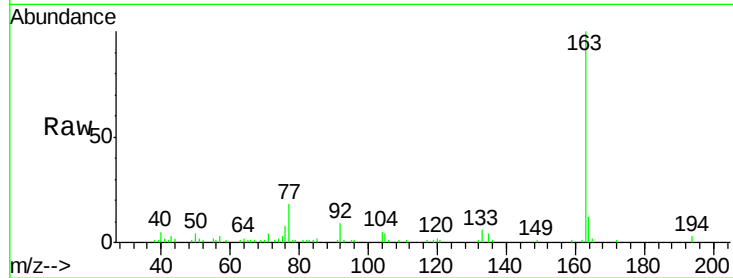
Instrument :

BNA_G

ClientSampleId :

S5-B1(0-5)C

Tgt Ion:	163	Resp:	53095
Ion Ratio	Lower	Upper	
163	100		
194	3.5	3.0	4.6
164	11.5	8.1	12.1



#63

Phenanthrene-d10

Concen: 20.00 ng

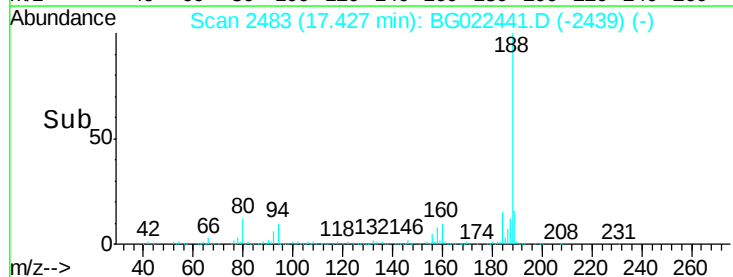
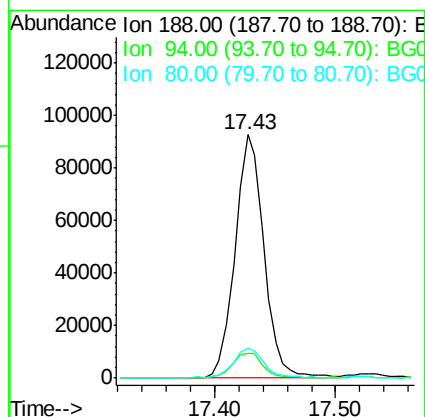
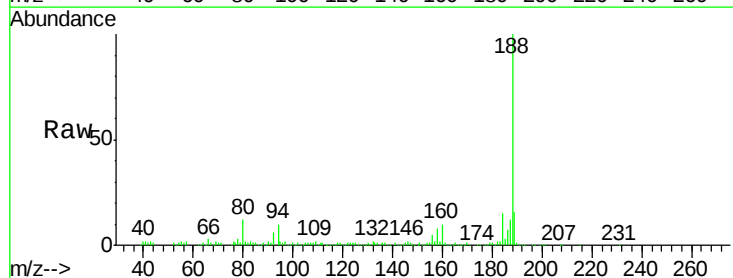
RT: 17.43 min Scan# 2483

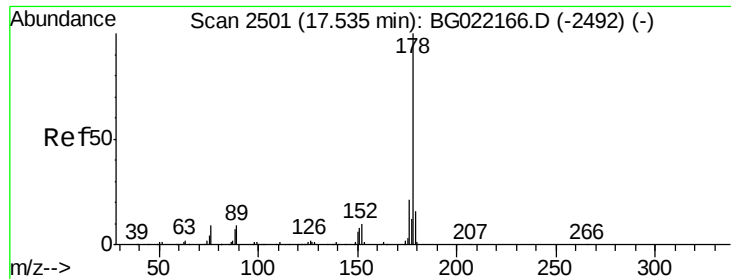
Delta R.T. -0.04 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

Tgt Ion:	188	Resp:	154862
Ion Ratio	Lower	Upper	
188	100		
94	10.4	7.5	11.3
80	12.1	8.6	13.0





#70

Phenanthrene

Concen: 3.48 ng

RT: 17.47 min Scan# 2490

Delta R.T. -0.04 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

Instrument :

BNA_G

ClientSampleId :

S5-B1(0-5)C

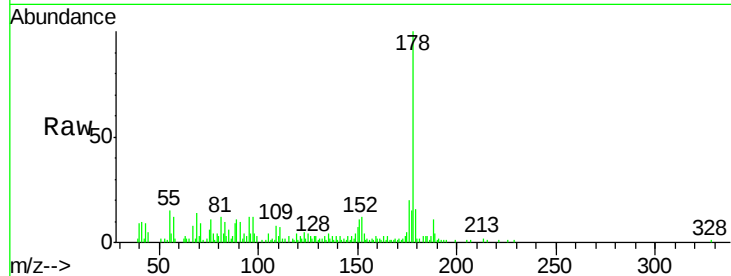
Tgt Ion:178 Resp: 29262

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

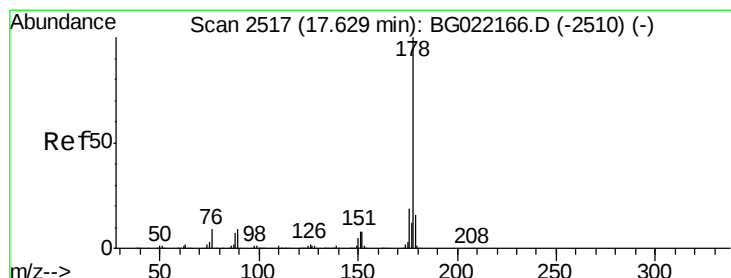
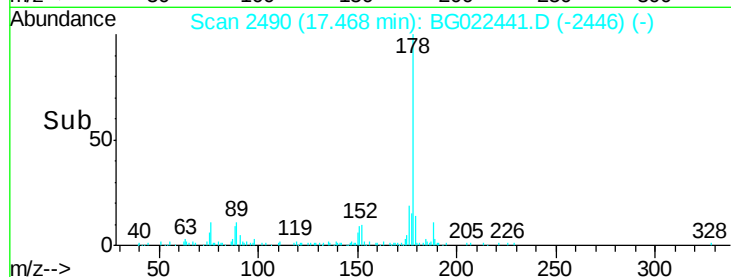
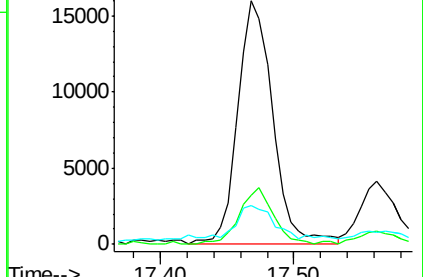
179 15.8 12.0 18.0



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: 3.51 ng

RT: 17.47 min Scan# 2490

Delta R.T. -0.13 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

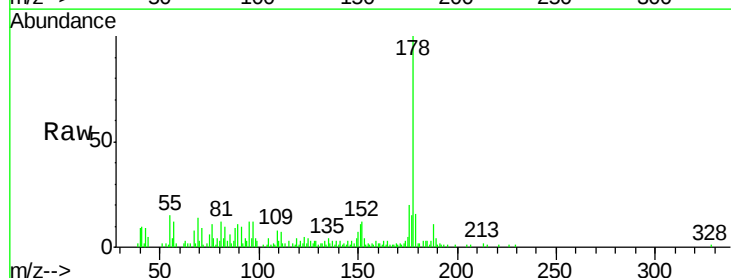
Tgt Ion:178 Resp: 29262

Ion Ratio Lower Upper

178 100

176 19.9 15.0 22.4

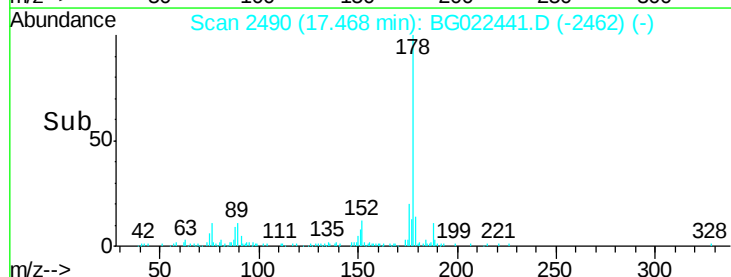
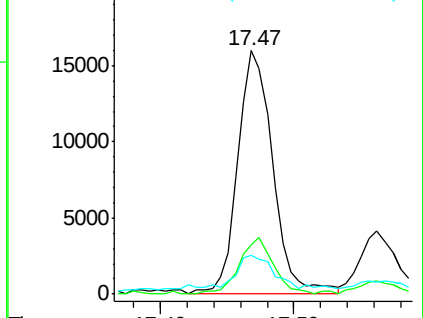
179 15.8 12.2 18.4

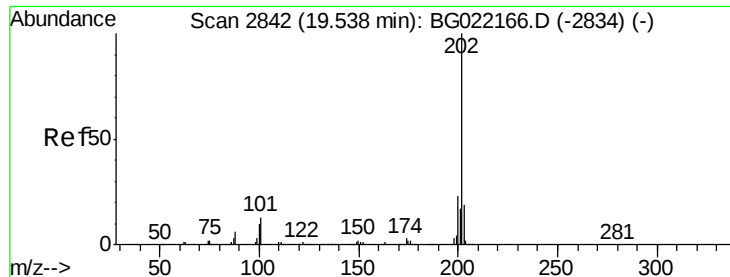


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.03 ng

RT: 19.48 min Scan# 2832

Delta R.T. -0.03 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

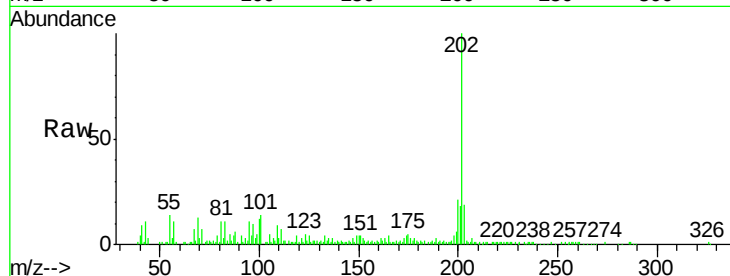
Instrument :

BNA_G

ClientSampleId :

S5-B1(0-5)C

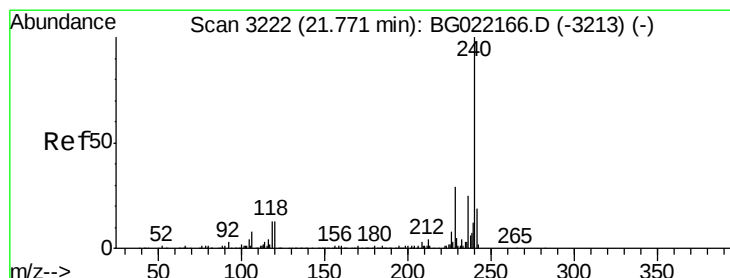
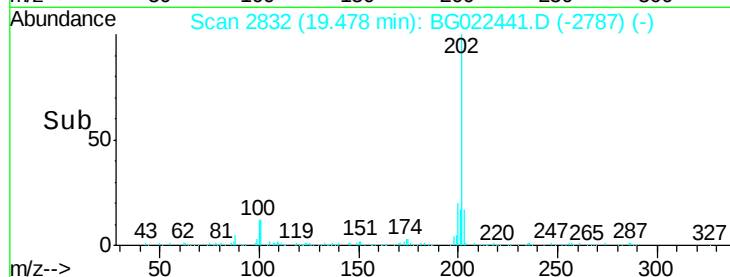
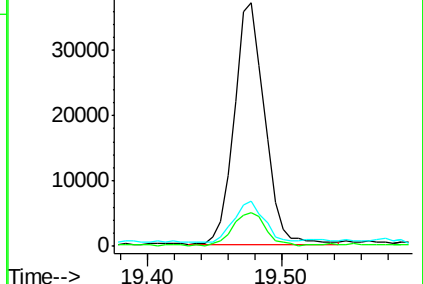
Tgt Ion:	202	Resp:	58294
Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	31.0
203	18.7	0.0	37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

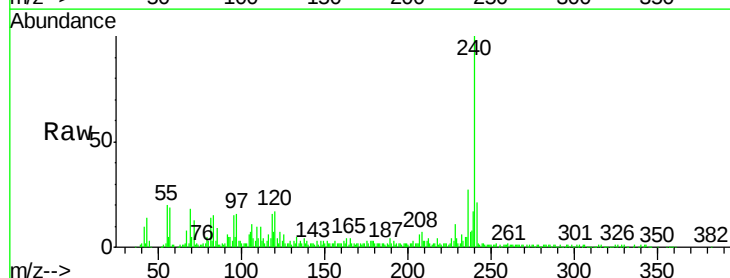
RT: 21.70 min Scan# 3210

Delta R.T. -0.04 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

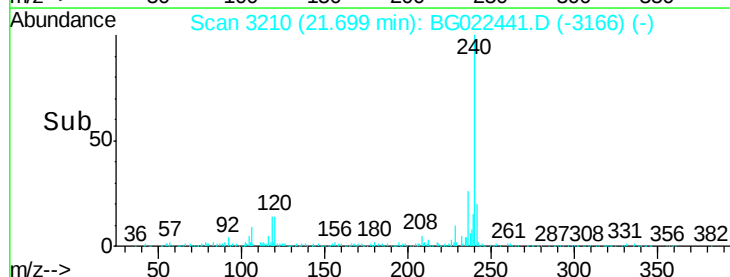
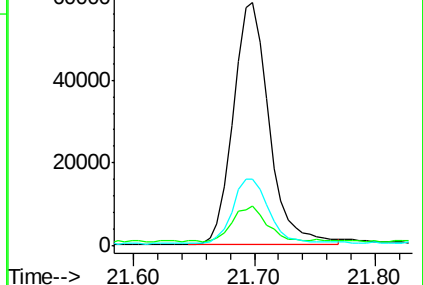
Tgt Ion:	240	Resp:	120861
Ion	Ratio	Lower	Upper
240	100		
120	16.5	8.4	12.6#
236	27.3	19.6	29.4

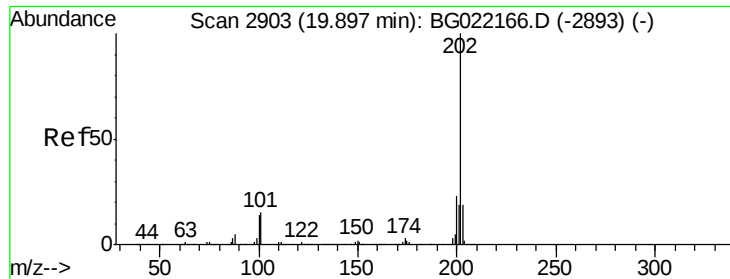


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

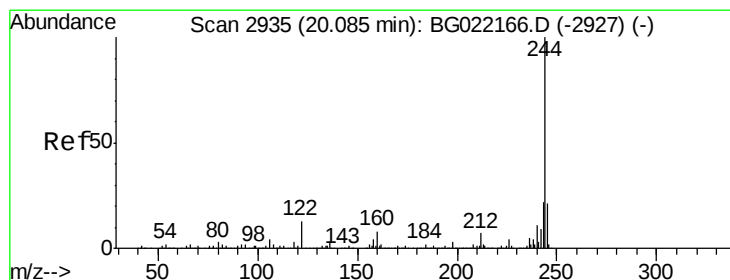
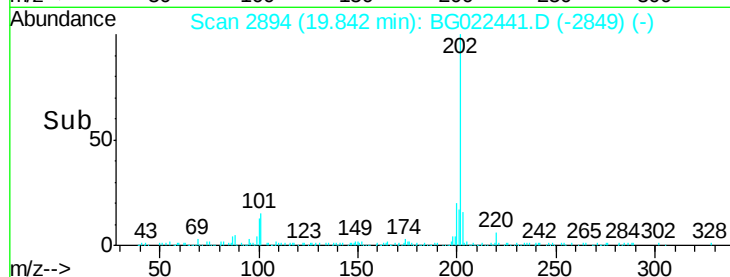
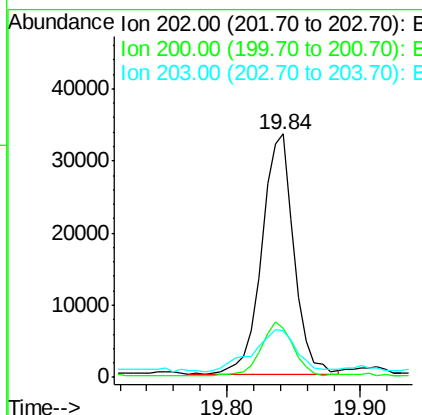
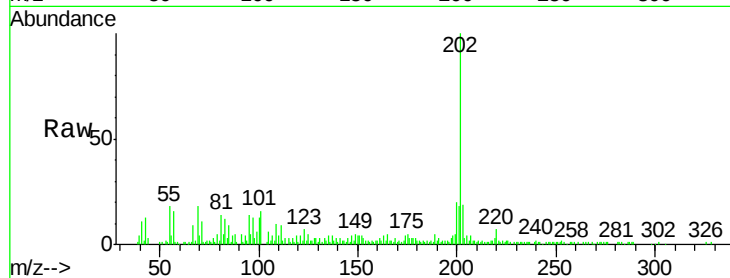




#77
 Pyrene
 Concen: 7.39 ng
 RT: 19.84 min Scan# 2894
 Delta R.T. -0.03 min
 Lab File: BG022441.D
 Acq: 19 Jun 2016 2:38

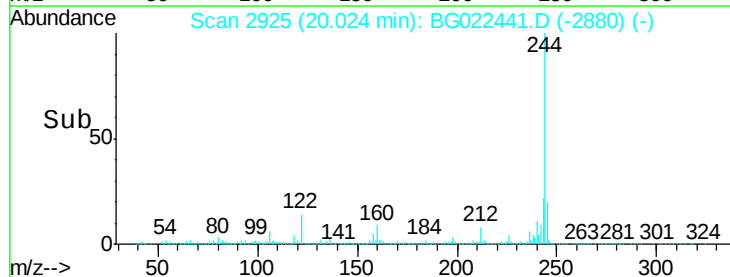
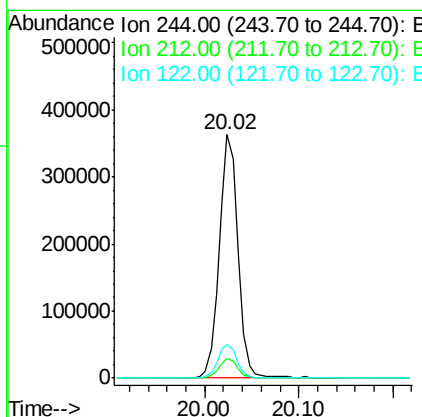
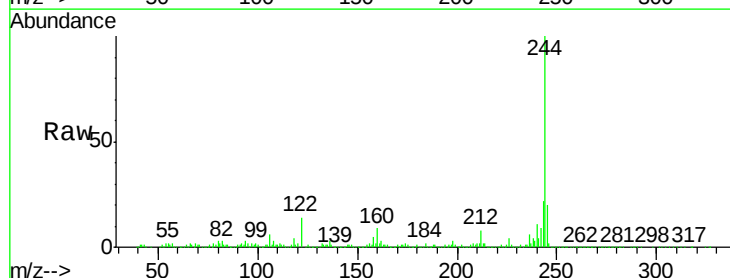
Instrument :
 BNA_G
 ClientSampleId :
 S5-B1(0-5)C

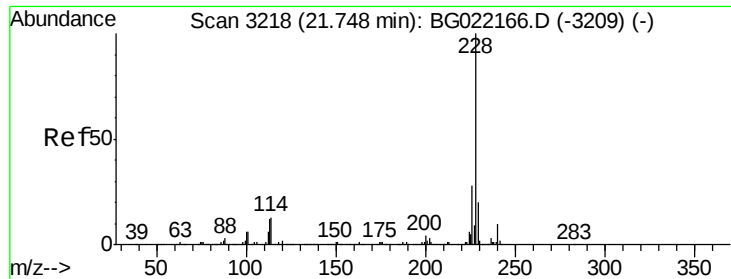
Tgt Ion:	202	Resp:	55547
Ion	Ratio	Lower	Upper
202	100		
200	20.1	18.2	27.2
203	19.2	15.0	22.4



#78
 Terphenyl-d14
 Concen: 99.42 ng
 RT: 20.02 min Scan# 2925
 Delta R.T. -0.03 min
 Lab File: BG022441.D
 Acq: 19 Jun 2016 2:38

Tgt Ion:	244	Resp:	506121
Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.5	9.7
122	14.1	8.6	12.8#

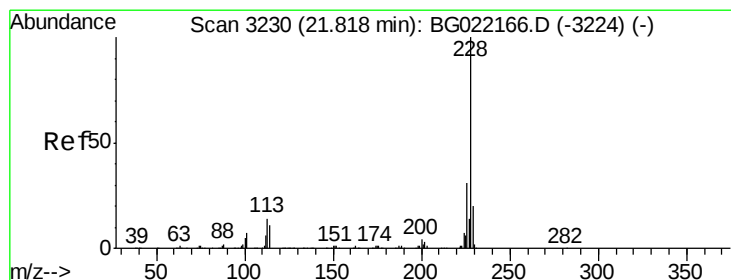
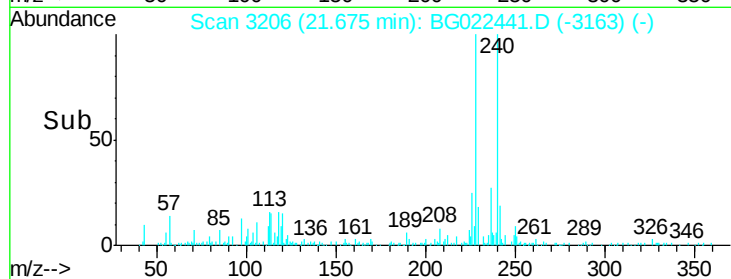
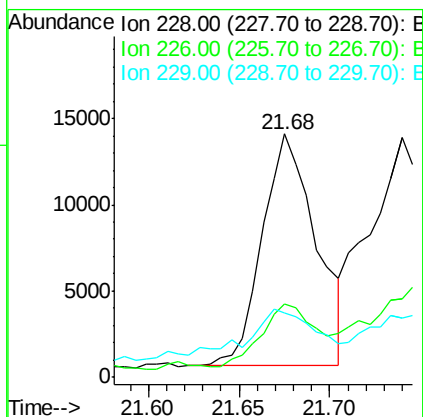
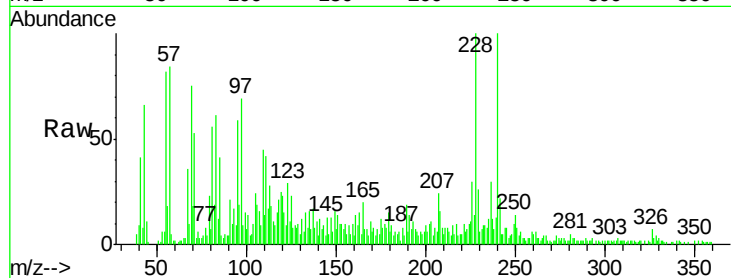




#80
Benzo(a)anthracene
Concen: 4.11 ng
RT: 21.68 min Scan# 3206
Delta R.T. -0.05 min
Lab File: BG022441.D
Acq: 19 Jun 2016 2:38

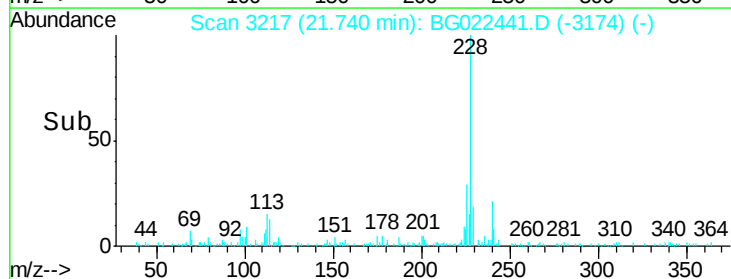
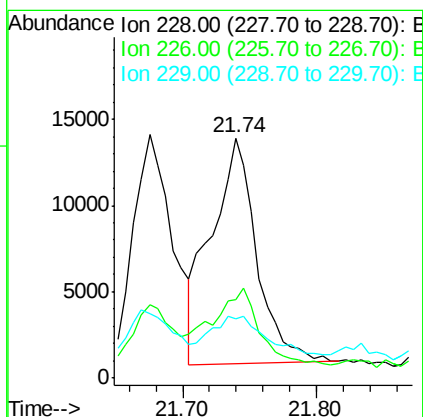
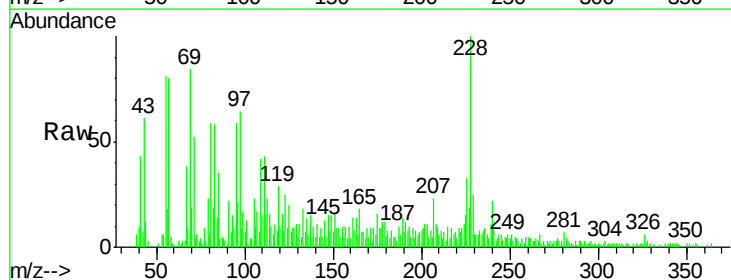
Instrument :
BNA_G
ClientSampleId :
S5-B1(0-5)C

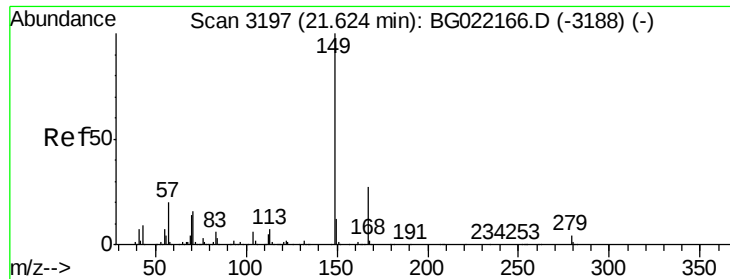
Tgt Ion:228 Resp: 27821
Ion Ratio Lower Upper
228 100
226 30.1 22.6 34.0
229 26.2 16.1 24.1#



#82
Chrysene
Concen: 4.71 ng
RT: 21.74 min Scan# 3217
Delta R.T. -0.05 min
Lab File: BG022441.D
Acq: 19 Jun 2016 2:38

Tgt Ion:228 Resp: 31090
Ion Ratio Lower Upper
228 100
226 32.8 25.4 38.0
229 24.5 15.9 23.9#

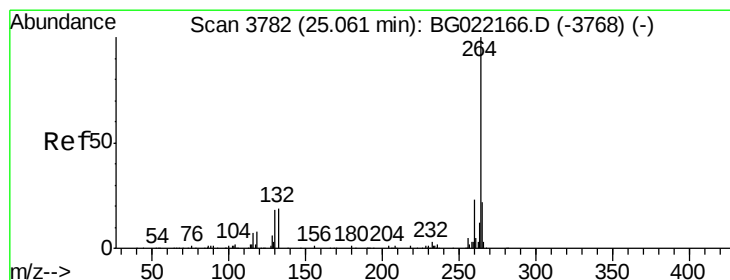
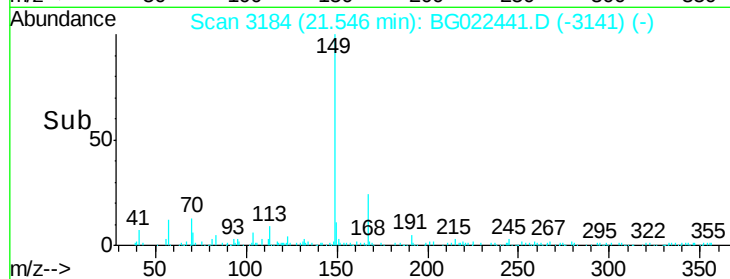
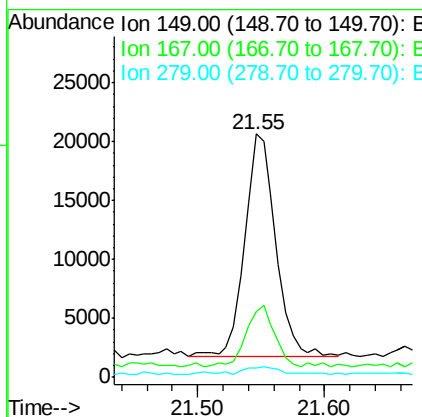
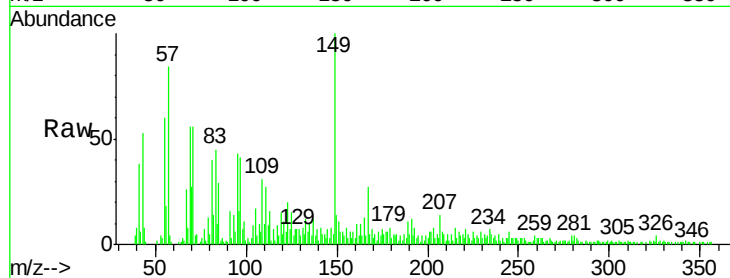




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.25 ng
 RT: 21.55 min Scan# 3184
 Delta R.T. -0.05 min
 Lab File: BG022441.D
 Acq: 19 Jun 2016 2:38

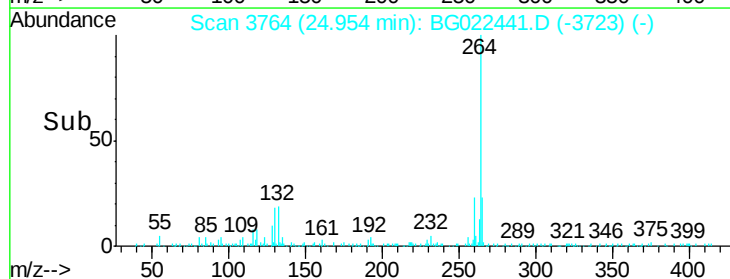
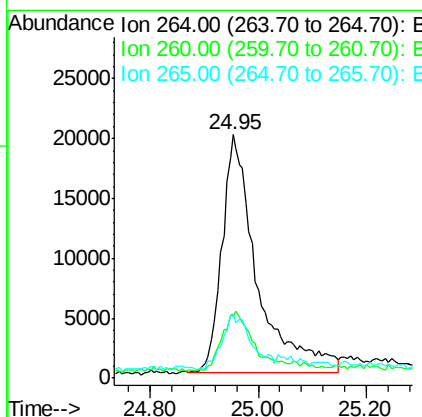
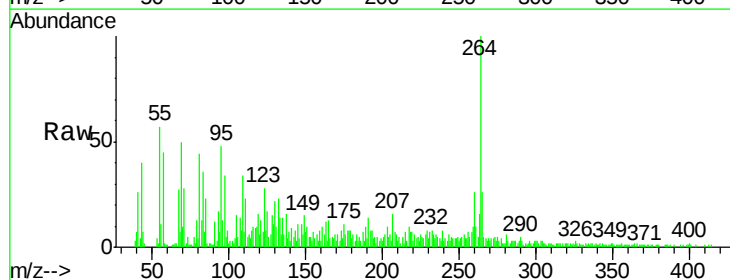
Instrument :
 BNA_G
 ClientSampleId :
 S5-B1(0-5)C

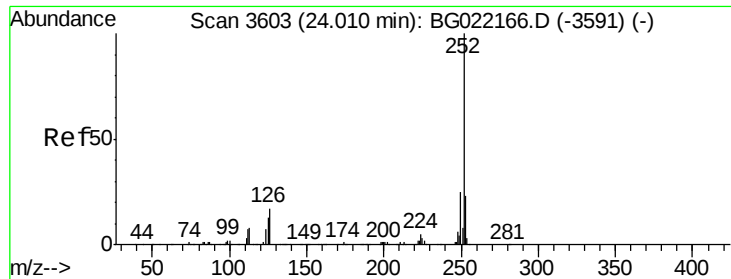
Tgt Ion:149 Resp: 32049
 Ion Ratio Lower Upper
 149 100
 167 27.2 22.4 33.6
 279 3.8 3.2 4.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.95 min Scan# 3764
 Delta R.T. -0.06 min
 Lab File: BG022441.D
 Acq: 19 Jun 2016 2:38

Tgt Ion:264 Resp: 91313
 Ion Ratio Lower Upper
 264 100
 260 25.7 20.2 30.4
 265 26.4 17.8 26.8





#87

Benzo(b)fluoranthene

Concen: 8.61 ng

RT: 23.93 min Scan# 3589

Delta R.T. -0.04 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

Instrument :

BNA_G

ClientSampleId :

S5-B1(0-5)C

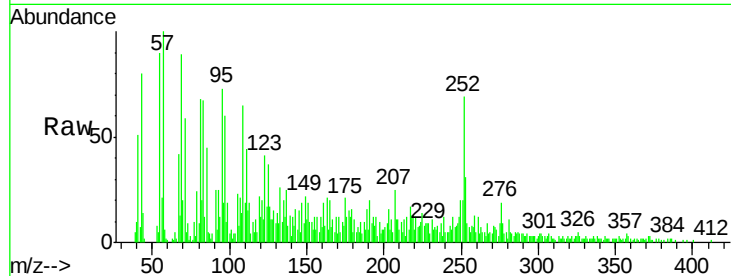
Tgt Ion:252 Resp: 45850

Ion Ratio Lower Upper

252 100

253 45.3 17.5 26.3#

125 54.0 8.6 13.0#

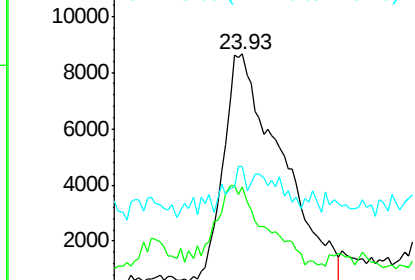


Abundance

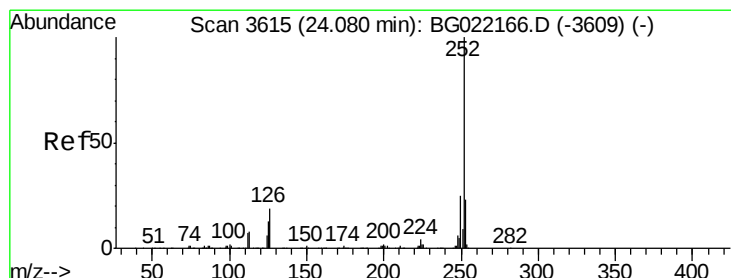
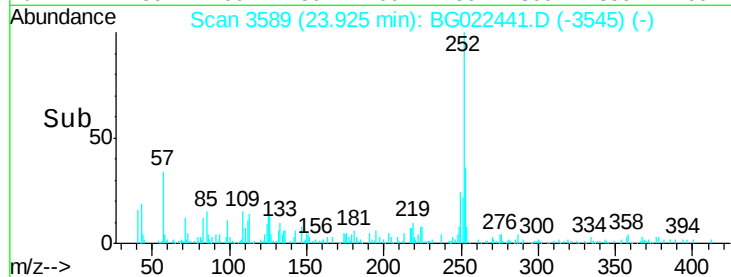
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#88

Benzo(k)fluoranthene

Concen: 8.75 ng

RT: 23.93 min Scan# 3589

Delta R.T. -0.12 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

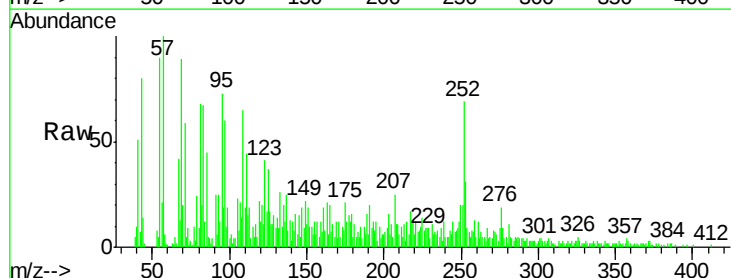
Tgt Ion:252 Resp: 45850

Ion Ratio Lower Upper

252 100

253 45.3 17.8 26.8#

125 54.0 8.3 12.5#

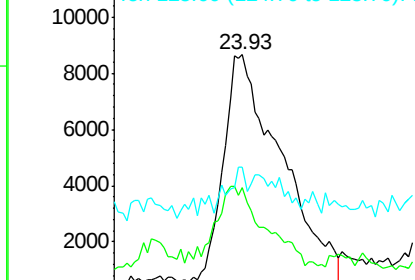


Abundance

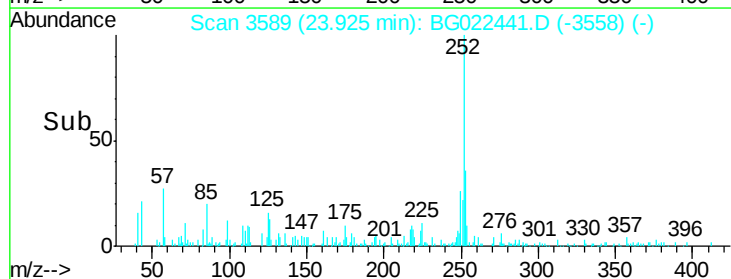
Ion 252.00 (251.70 to 252.70): E

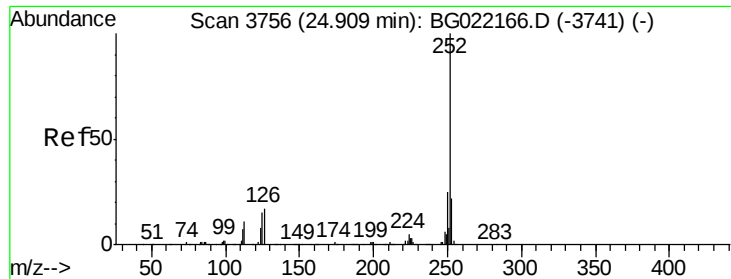
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#89

Benzo(a)pyrene

Concen: 3.07 ng

RT: 24.81 min Scan# 3740

Delta R.T. -0.05 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

Instrument :

BNA_G

ClientSampleId :

S5-B1(0-5)C

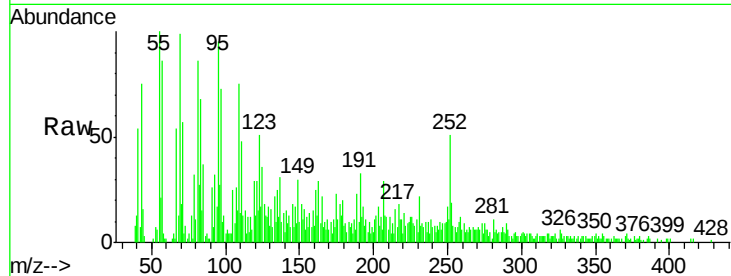
Tgt Ion:252 Resp: 15643

Ion Ratio Lower Upper

252 100

253 36.3 17.1 25.7#

125 69.8 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

