

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061316\
 Data File : BG022330.D
 Acq On : 13 Jun 2016 18:57
 Operator : UM/SJ
 Sample : H3474-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S7-B4(6-12)C

Quant Time: Jun 14 03:45:14 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

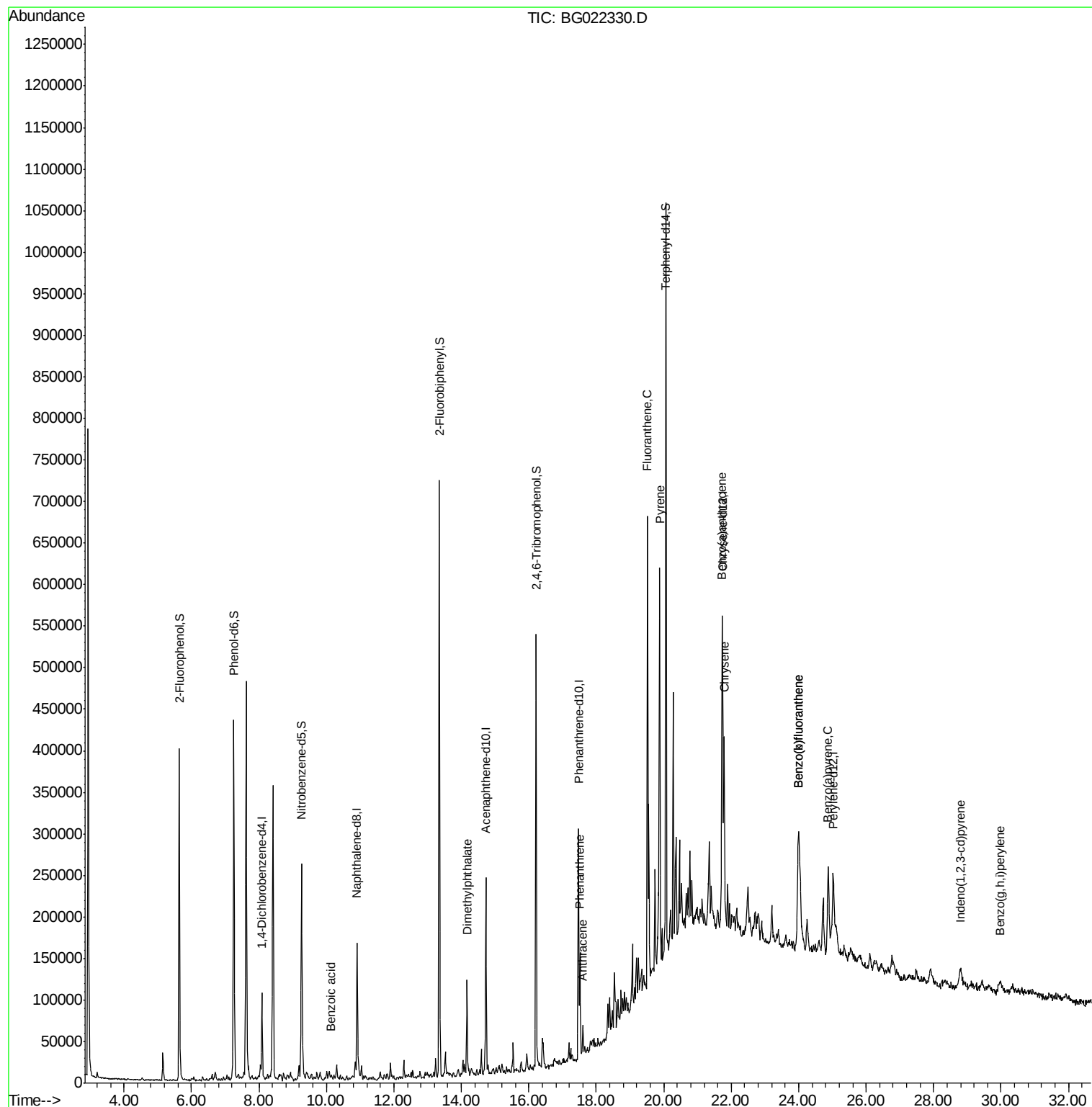
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	37668	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	171667	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	91204	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	179700	20.00	ng	0.00
75) Chrysene-d12	21.74	240	147269	20.00	ng	0.00
86) Perylene-d12	25.02	264	130612	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	261177	134.06	ng	0.00
7) Phenol-d6	7.25	99	372695	121.67	ng	0.00
23) Nitrobenzene-d5	9.26	82	203668	82.71	ng	0.00
41) 2,4,6-Tribromophenol	16.21	330	106919	103.75	ng	0.00
44) 2-Fluorobiphenyl	13.35	172	430036	71.86	ng	0.00
78) Terphenyl-d14	20.06	244	413891	66.72	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.12	122	146	7.46	ng	# 1
49) Dimethylphthalate	14.17	163	76658	10.14	ng	99
70) Phenanthrene	17.51	178	78888	8.08	ng	98
71) Anthracene	17.60	178	24676	2.55	ng	93
74) Fluoranthene	19.52	202	353574	31.51	ng	96
77) Pyrene	19.88	202	289967	31.67	ng	99
80) Benzo(a)anthracene	21.72	228	192261	23.28	ng	97
82) Chrysene	21.79	228	163618	20.36	ng	97
85) Indeno(1,2,3-cd)pyrene	28.80	276	52368	5.81	ng	# 54
87) Benzo(b)fluoranthene	23.99	252	270095	35.46	ng	# 93
88) Benzo(k)fluoranthene	23.99	252	270095	36.02	ng	# 93
89) Benzo(a)pyrene	24.87	252	128015	17.58	ng	# 93
91) Benzo(g,h,i)perylene	29.96	276	37805	5.30	ng	# 88

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.09 min Scan# 893

Delta R.T. -0.00 min

Lab File: BG022330.D

Acq: 13 Jun 2016 18:57

Instrument :

BNA_G

ClientSampleId :

S7-B4(6-12)C

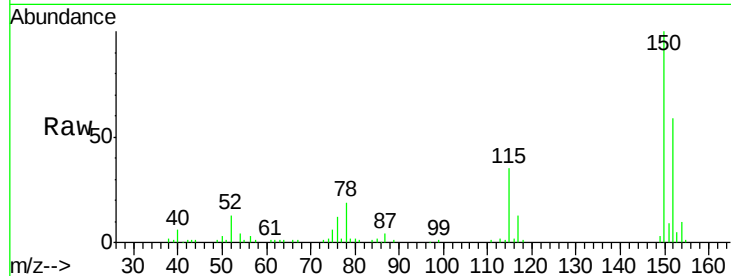
Tgt Ion:152 Resp: 37668

Ion Ratio Lower Upper

152 100

150 169.4 130.1 195.1

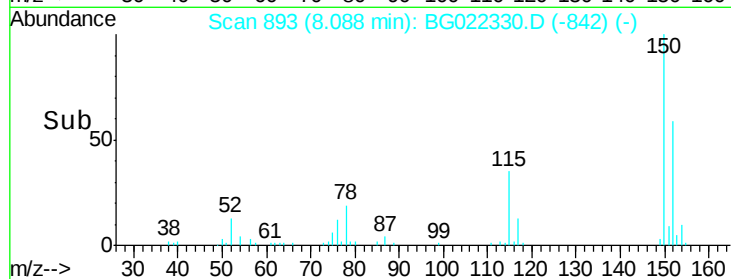
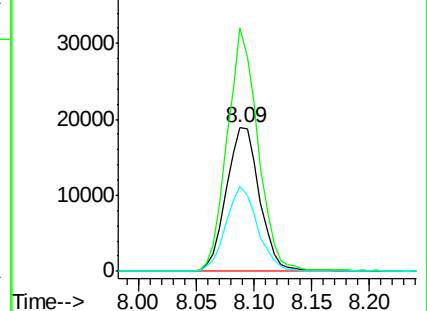
115 59.5 62.2 93.2#



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: 134.06 ng

RT: 5.64 min Scan# 476

Delta R.T. 0.00 min

Lab File: BG022330.D

Acq: 13 Jun 2016 18:57

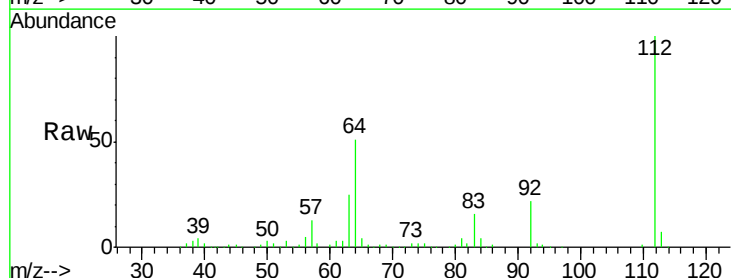
Tgt Ion:112 Resp: 261177

Ion Ratio Lower Upper

112 100

64 50.7 51.1 76.7#

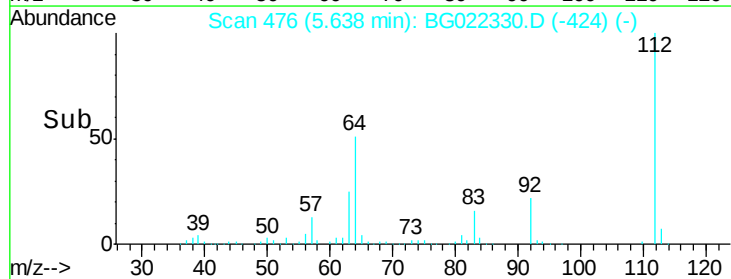
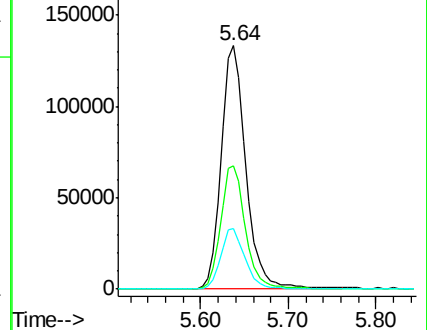
63 24.8 24.6 37.0

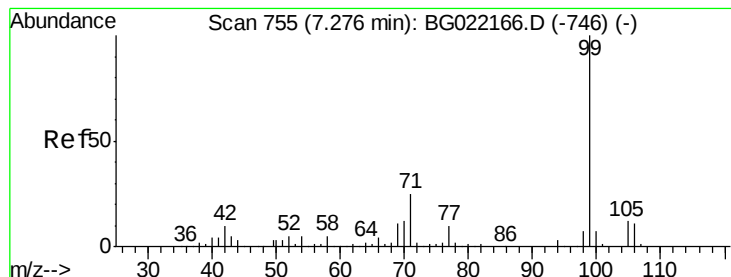


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 121.67 ng

RT: 7.25 min Scan# 751

Delta R.T. 0.00 min

Lab File: BG022330.D

Acq: 13 Jun 2016 18:57

Instrument :

BNA_G

ClientSampleId :

S7-B4(6-12)C

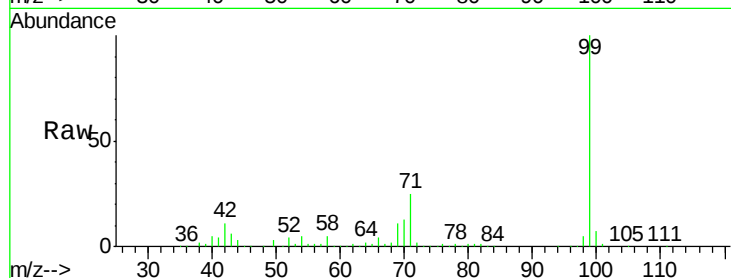
Tgt Ion: 99 Resp: 372695

Ion Ratio Lower Upper

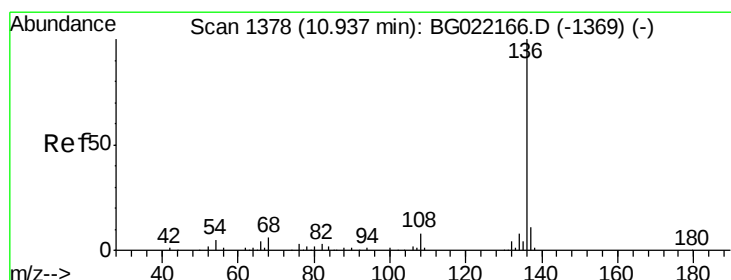
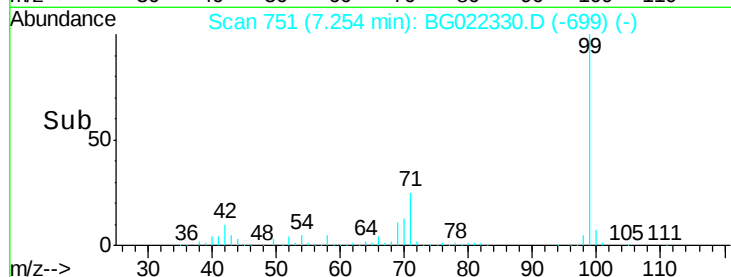
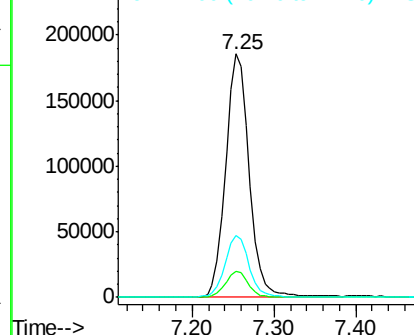
99 100

42 10.5 16.4 24.6#

71 25.5 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: 10.91 min Scan# 1373

Delta R.T. 0.00 min

Lab File: BG022330.D

Acq: 13 Jun 2016 18:57

Tgt Ion: 136 Resp: 171667

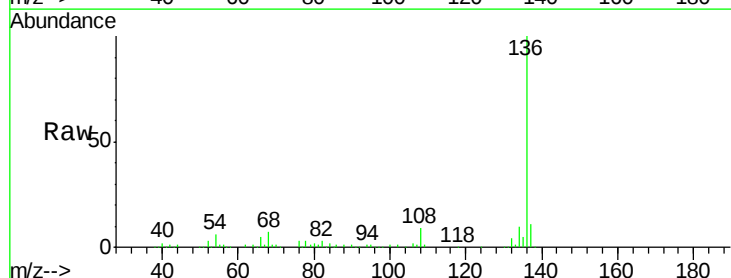
Ion Ratio Lower Upper

136 100

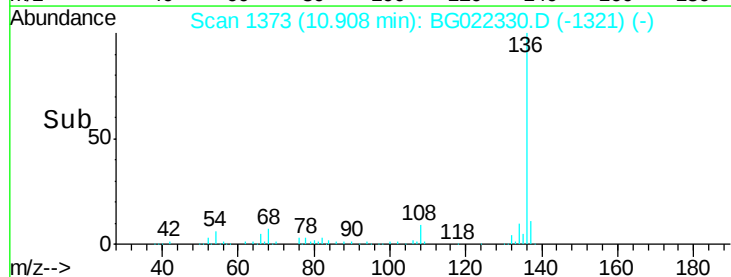
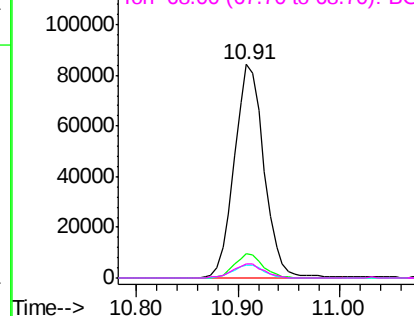
137 11.1 9.0 13.4

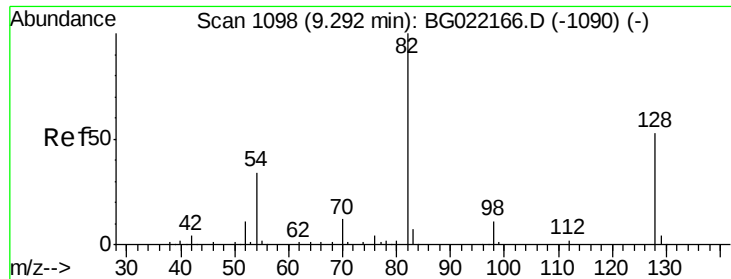
54 6.2 9.6 14.4#

68 6.6 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

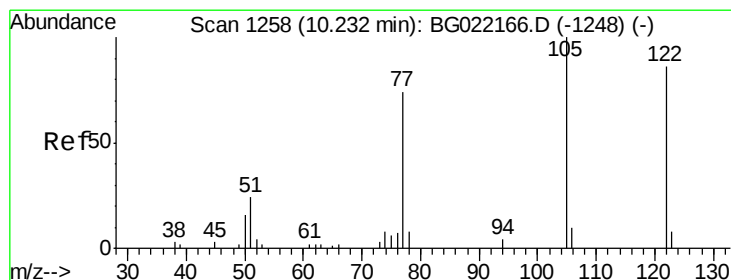
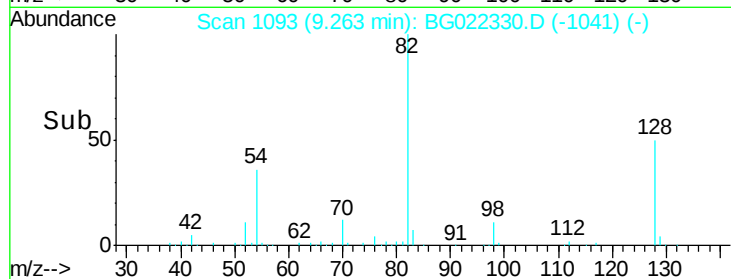
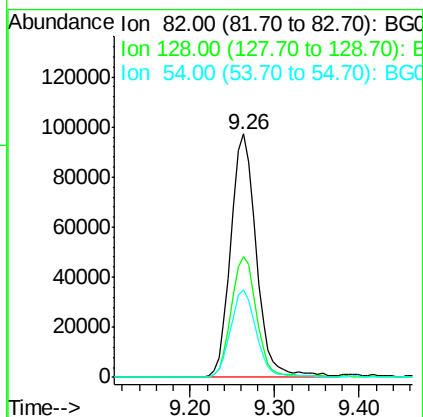
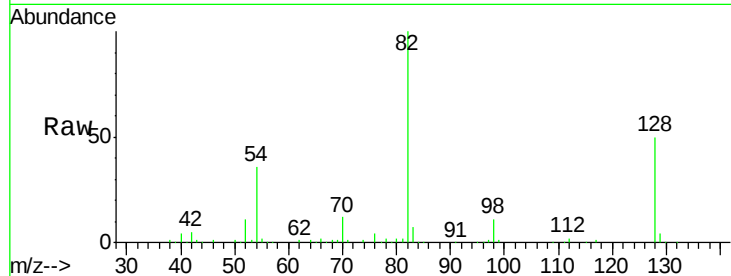




#23
 Nitrobenzene-d5
 Concen: 82.71 ng
 RT: 9.26 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: BG022330.D
 Acq: 13 Jun 2016 18:57

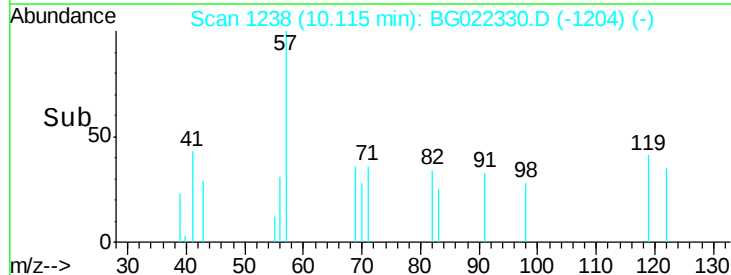
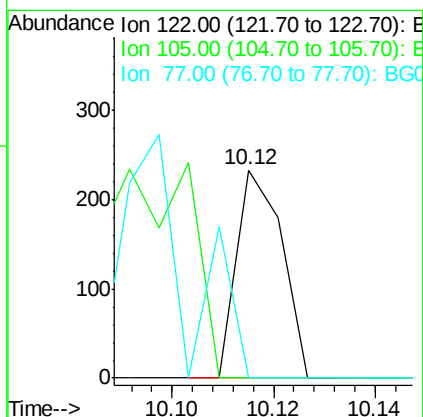
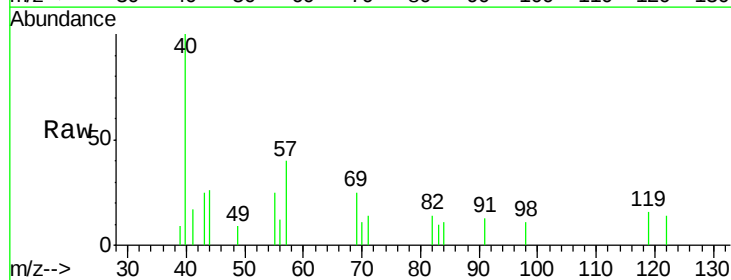
Instrument :
 BNA_G
 ClientSampleId :
 S7-B4(6-12)C

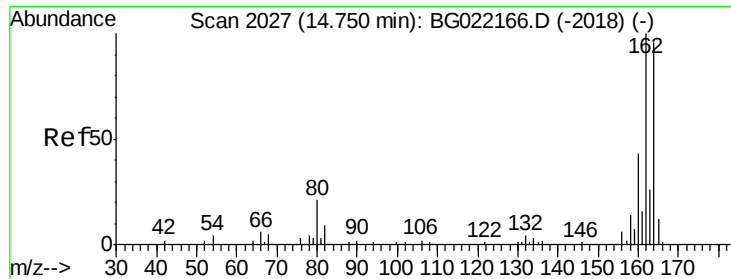
Tgt Ion: 82 Resp: 203668
 Ion Ratio Lower Upper
 82 100
 128 49.8 33.4 50.0
 54 35.7 46.1 69.1#



#32
 Benzoic acid
 Concen: 7.46 ng
 RT: 10.12 min Scan# 1238
 Delta R.T. -0.10 min
 Lab File: BG022330.D
 Acq: 13 Jun 2016 18:57

Tgt Ion: 122 Resp: 146
 Ion Ratio Lower Upper
 122 100
 105 0.0 104.5 144.5#
 77 0.0 79.9 119.9#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.72 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BG022330.D

Acq: 13 Jun 2016 18:57

Instrument :

BNA_G

ClientSampleId :

S7-B4(6-12)C

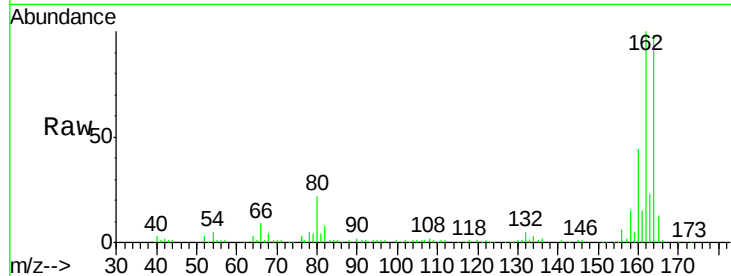
Tgt Ion:164 Resp: 91204

Ion Ratio Lower Upper

164 100

162 101.9 78.0 117.0

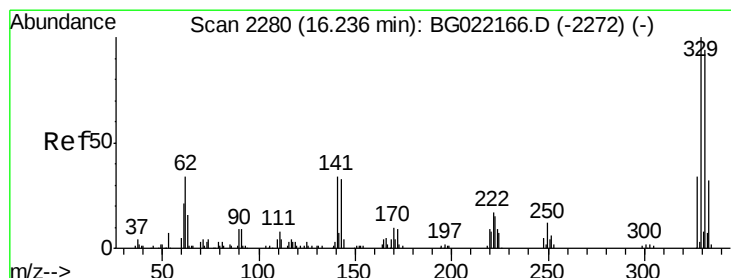
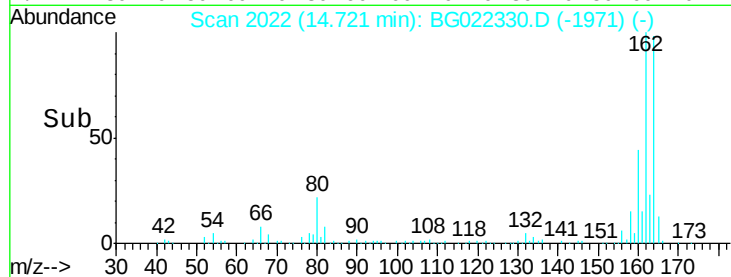
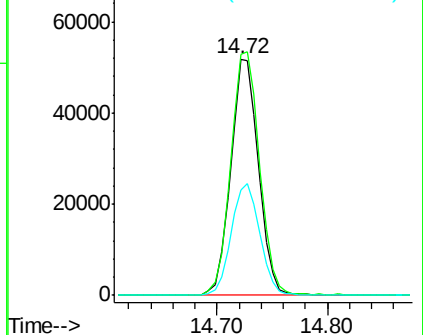
160 44.7 32.9 49.3



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: 103.75 ng

RT: 16.21 min Scan# 2276

Delta R.T. -0.00 min

Lab File: BG022330.D

Acq: 13 Jun 2016 18:57

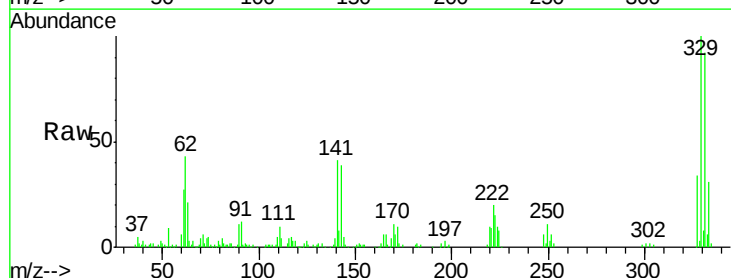
Tgt Ion:330 Resp: 106919

Ion Ratio Lower Upper

330 100

332 96.6 78.0 117.0

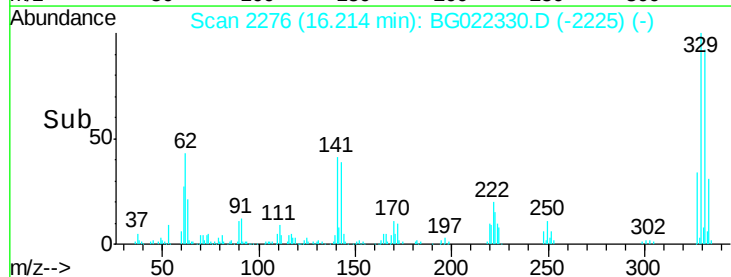
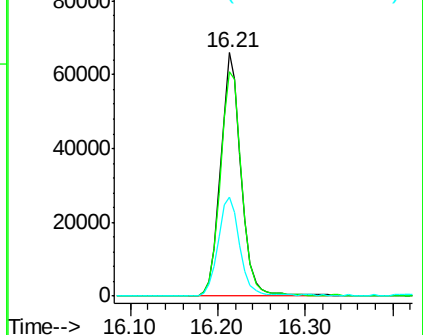
141 42.8 33.8 50.8

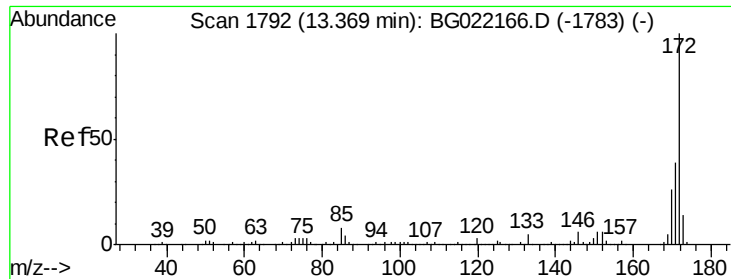


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

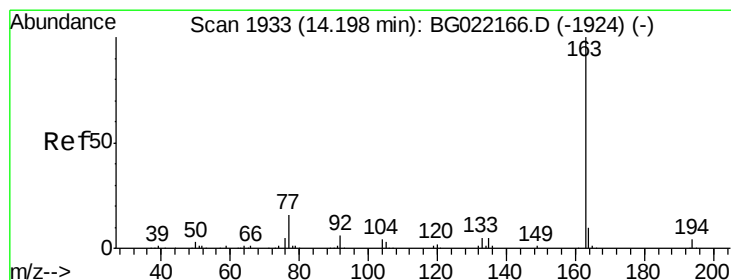
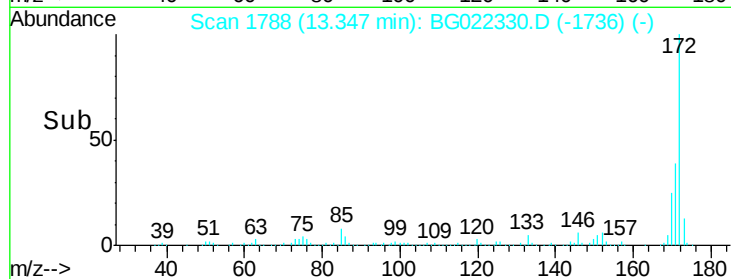
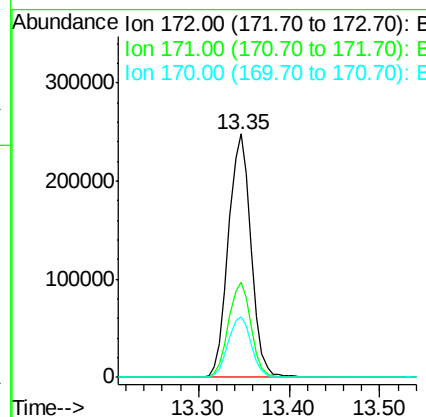
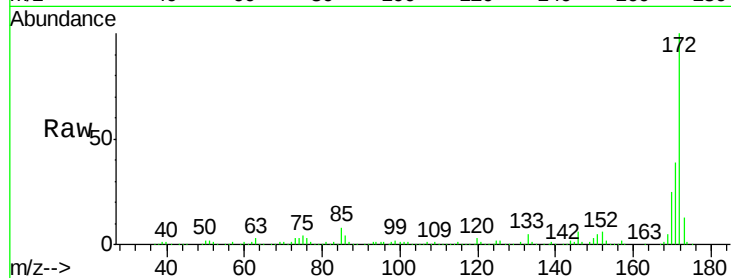




#44
2-Fluorobiphenyl
Concen: 71.86 ng
RT: 13.35 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BG022330.D
Acq: 13 Jun 2016 18:57

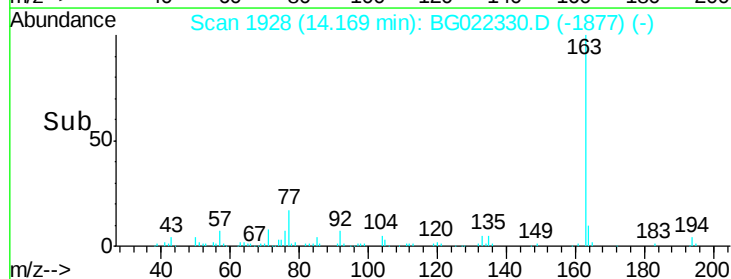
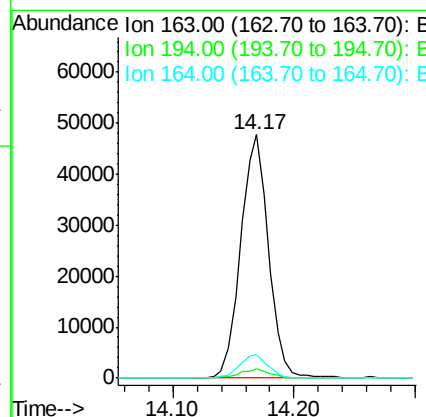
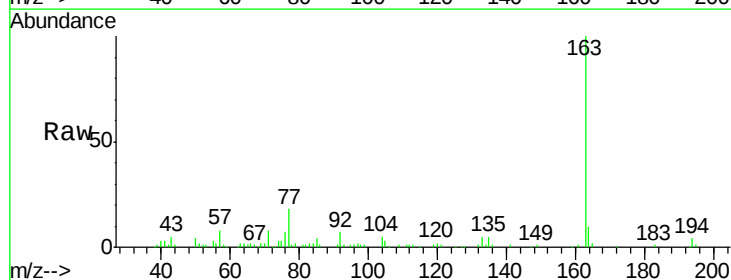
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S7-B4(6-12)C

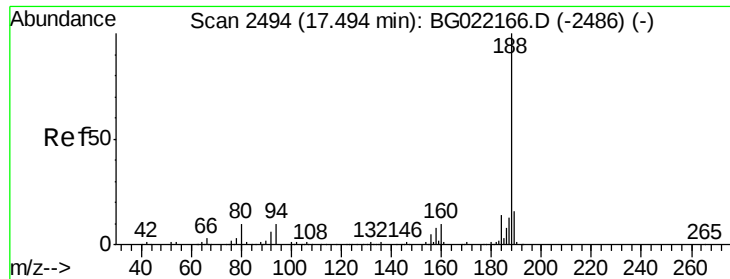
Tgt Ion:172 Resp: 430036
Ion Ratio Lower Upper
172 100
171 39.0 27.8 41.6
170 24.7 19.6 29.4



#49
Dimethylphthalate
Concen: 10.14 ng
RT: 14.17 min Scan# 1928
Delta R.T. -0.00 min
Lab File: BG022330.D
Acq: 13 Jun 2016 18:57

Tgt Ion:163 Resp: 76658
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 9.6 8.1 12.1

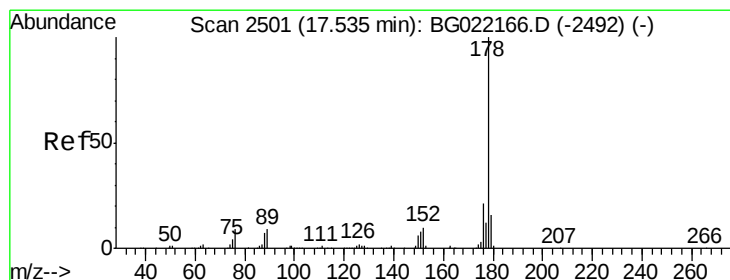
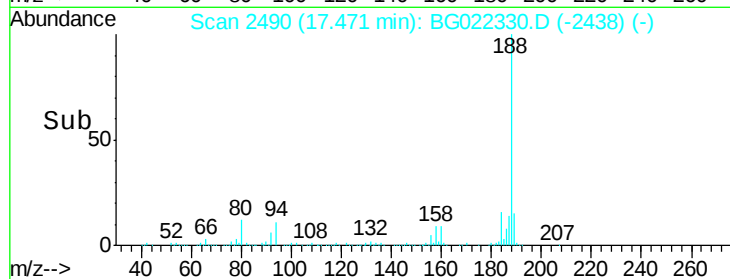
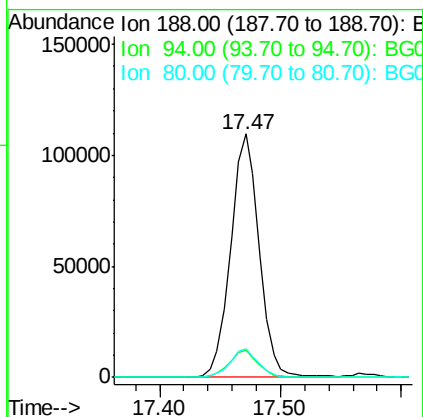
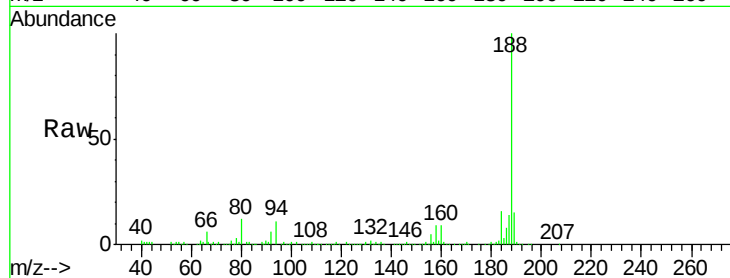




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.47 min Scan# 2490
Delta R.T. 0.00 min
Lab File: BG022330.D
Acq: 13 Jun 2016 18:57

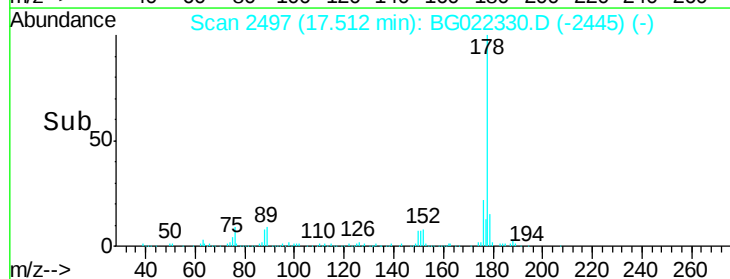
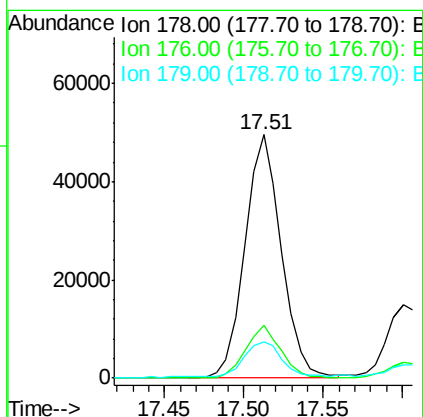
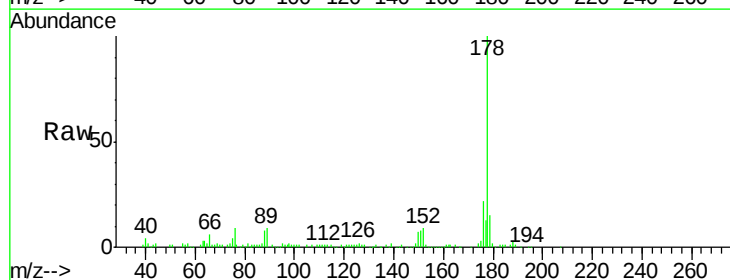
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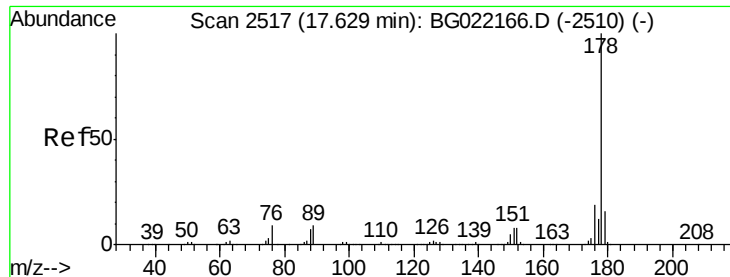
Tgt Ion:188 Resp: 179700
Ion Ratio Lower Upper
188 100
94 11.0 7.5 11.3
80 11.8 8.6 13.0



#70
Phenanthrene
Concen: 8.08 ng
RT: 17.51 min Scan# 2497
Delta R.T. 0.00 min
Lab File: BG022330.D
Acq: 13 Jun 2016 18:57

Tgt Ion:178 Resp: 78888
Ion Ratio Lower Upper
178 100
176 21.9 16.2 24.4
179 15.2 12.0 18.0

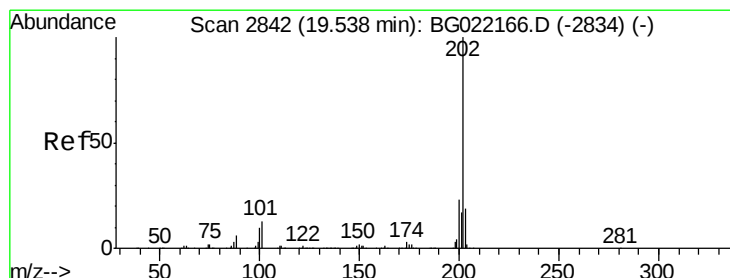
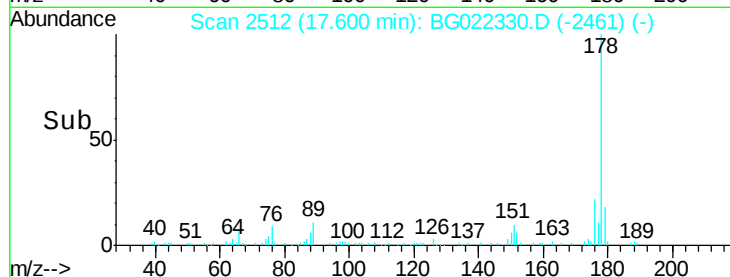
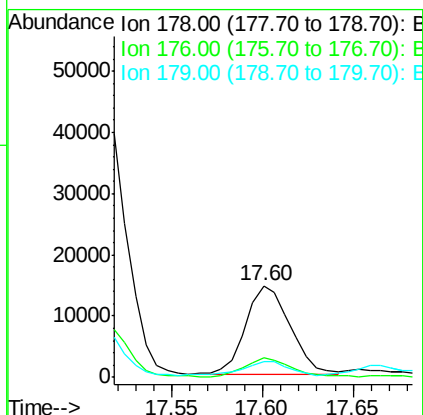
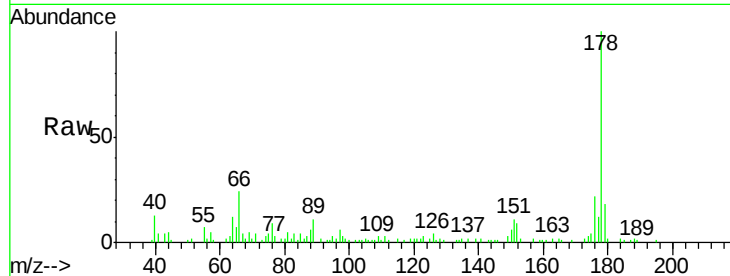




#71
 Anthracene
 Concen: 2.55 ng
 RT: 17.60 min Scan# 2512
 Delta R.T. -0.00 min
 Lab File: BG022330.D
 Acq: 13 Jun 2016 18:57

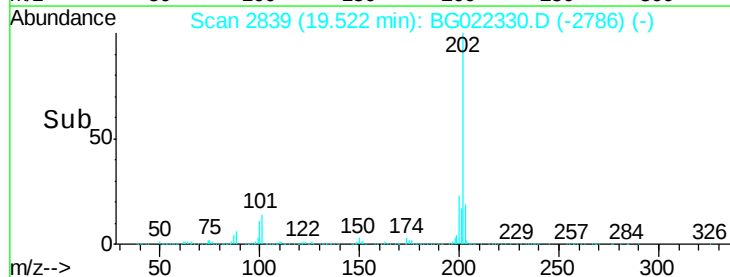
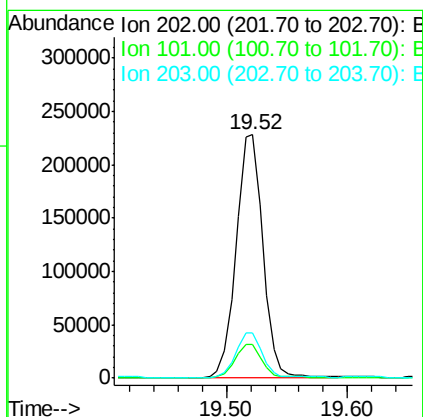
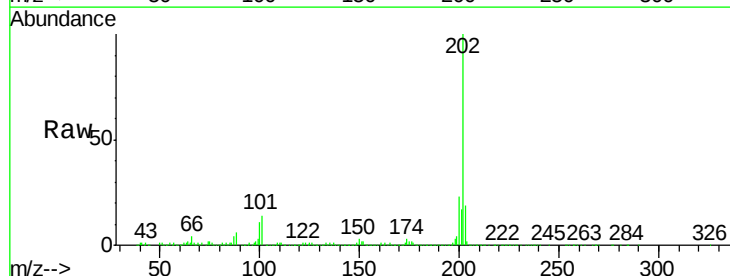
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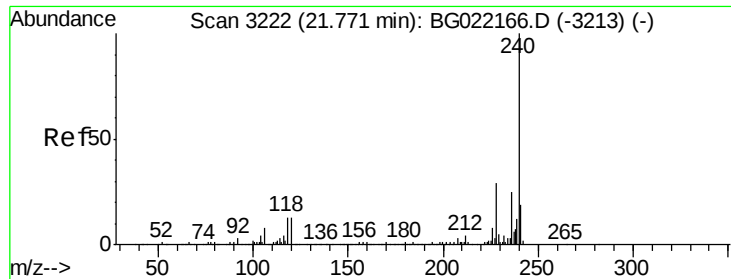
Tgt Ion:178 Resp: 24676
 Ion Ratio Lower Upper
 178 100
 176 22.1 15.0 22.4
 179 17.9 12.2 18.4



#74
 Fluoranthene
 Concen: 31.51 ng
 RT: 19.52 min Scan# 2839
 Delta R.T. 0.01 min
 Lab File: BG022330.D
 Acq: 13 Jun 2016 18:57

Tgt Ion:202 Resp: 353574
 Ion Ratio Lower Upper
 202 100
 101 13.9 0.0 31.0
 203 18.8 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.74 min Scan# 3217

Delta R.T. 0.00 min

Lab File: BG022330.D

Acq: 13 Jun 2016 18:57

Instrument :

BNA_G

ClientSampleId :

S7-B4(6-12)C

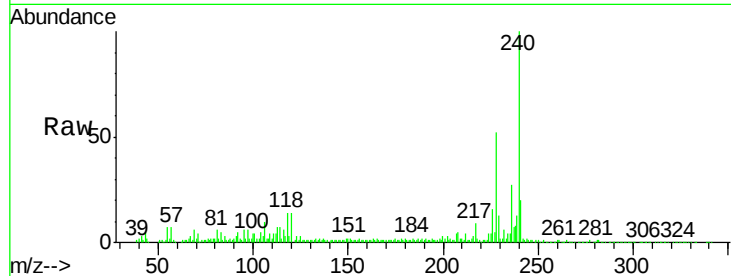
Tgt Ion:240 Resp: 147269

Ion Ratio Lower Upper

240 100

120 13.9 8.4 12.6#

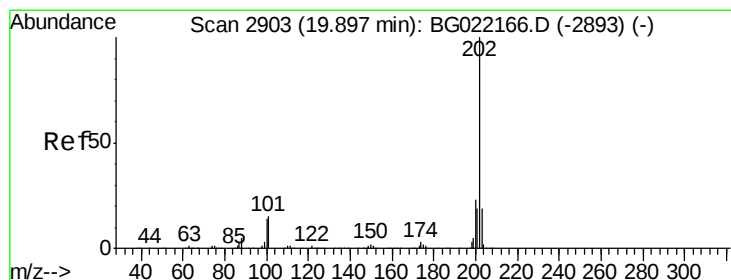
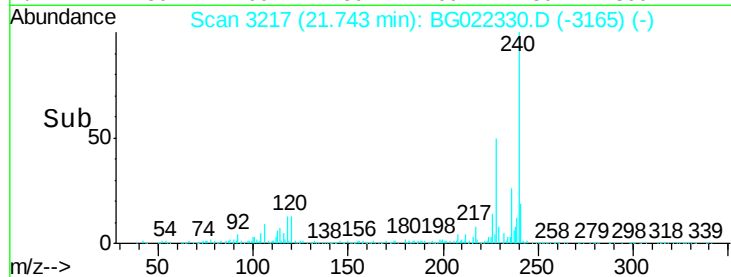
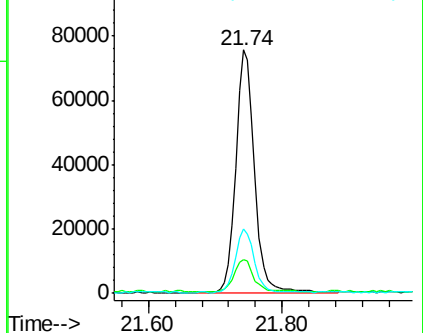
236 26.5 19.6 29.4



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: 31.67 ng

RT: 19.88 min Scan# 2900

Delta R.T. 0.00 min

Lab File: BG022330.D

Acq: 13 Jun 2016 18:57

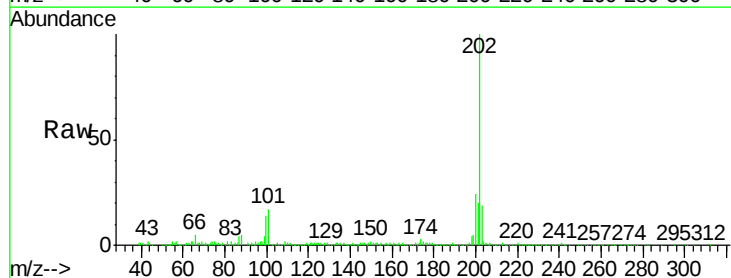
Tgt Ion:202 Resp: 289967

Ion Ratio Lower Upper

202 100

200 23.9 18.2 27.2

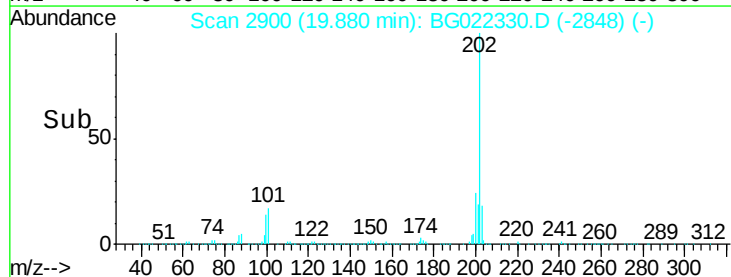
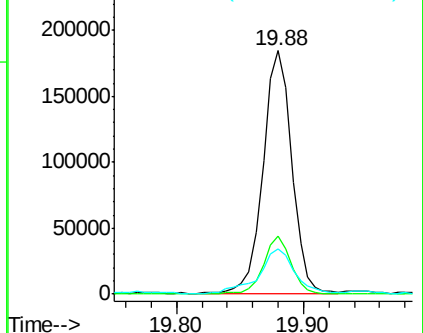
203 18.8 15.0 22.4

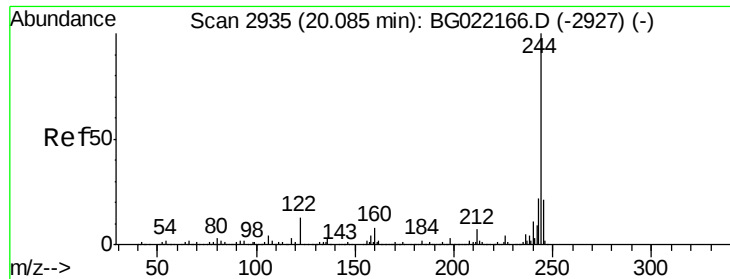


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 66.72 ng

RT: 20.06 min Scan# 2931

Delta R.T. 0.00 min

Lab File: BG022330.D

Acq: 13 Jun 2016 18:57

Instrument :

BNA_G

ClientSampleId :

S7-B4(6-12)C

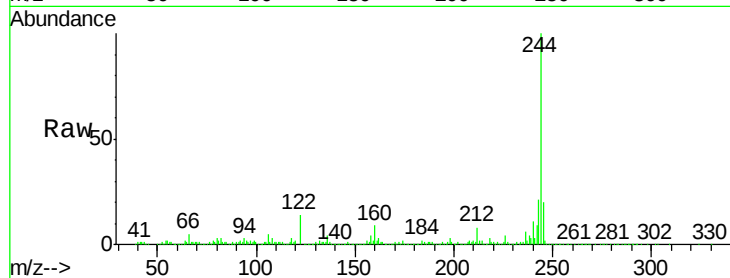
Tgt Ion:244 Resp: 413891

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

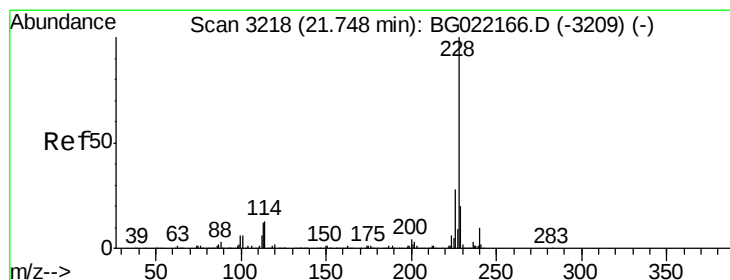
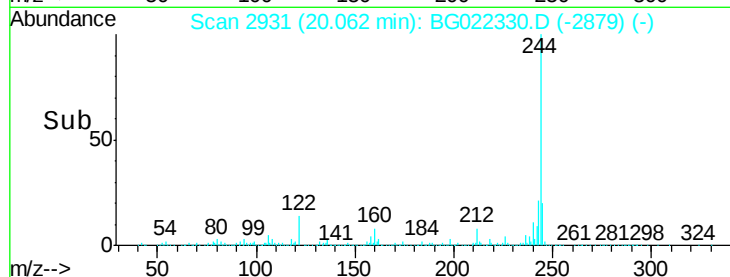
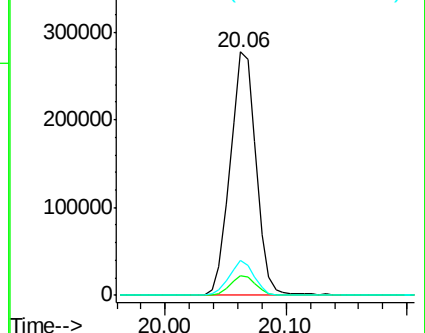
122 14.4 8.6 12.8#



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: 23.28 ng

RT: 21.72 min Scan# 3214

Delta R.T. 0.00 min

Lab File: BG022330.D

Acq: 13 Jun 2016 18:57

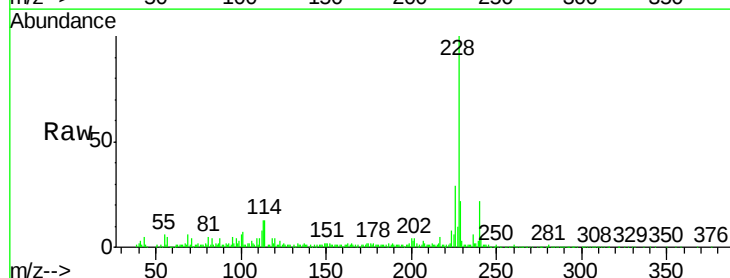
Tgt Ion:228 Resp: 192261

Ion Ratio Lower Upper

228 100

226 29.2 22.6 34.0

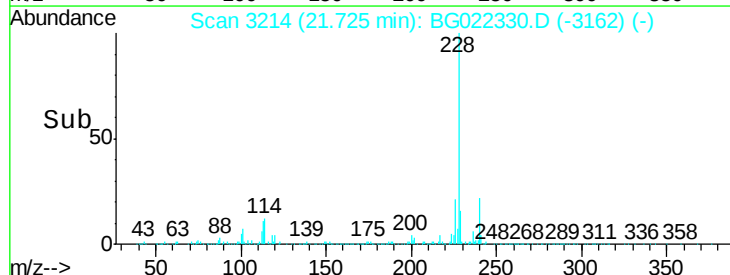
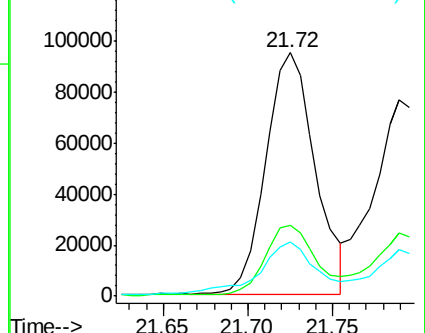
229 22.2 16.1 24.1

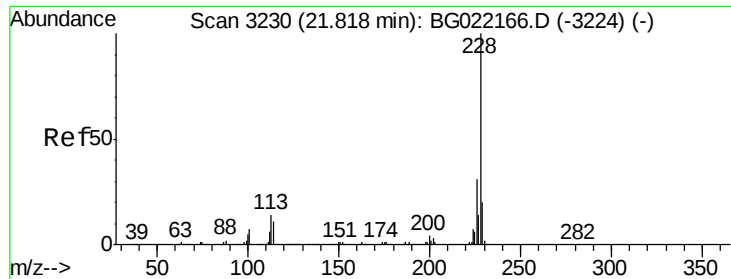


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 20.36 ng

RT: 21.79 min Scan# 3225

Delta R.T. 0.00 min

Lab File: BG022330.D

Acq: 13 Jun 2016 18:57

Instrument :

BNA_G

ClientSampleId :

S7-B4(6-12)C

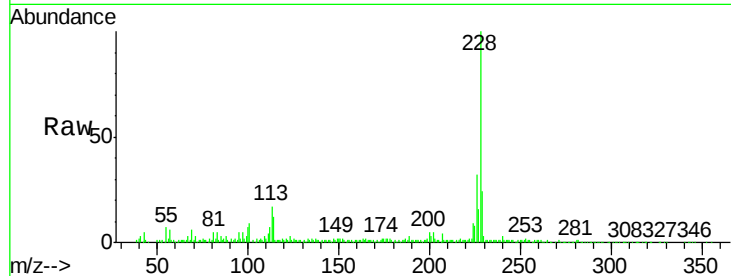
Tgt Ion:228 Resp: 163618

Ion Ratio Lower Upper

228 100

226 31.9 25.4 38.0

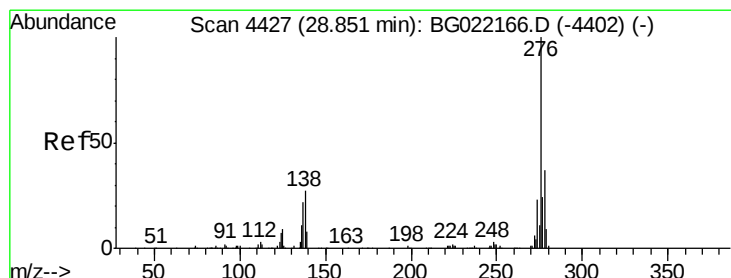
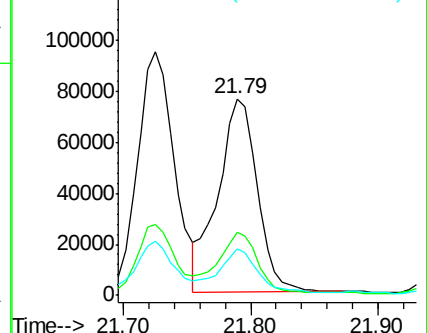
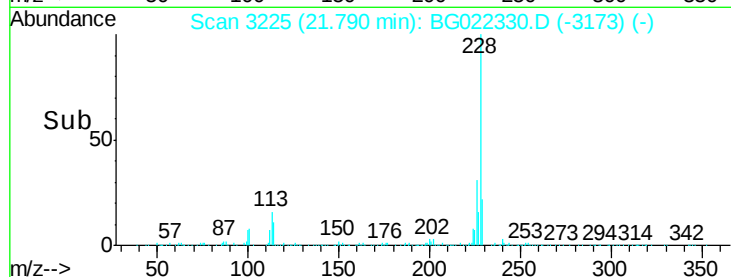
229 23.6 15.9 23.9



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: 5.81 ng

RT: 28.80 min Scan# 4419

Delta R.T. 0.04 min

Lab File: BG022330.D

Acq: 13 Jun 2016 18:57

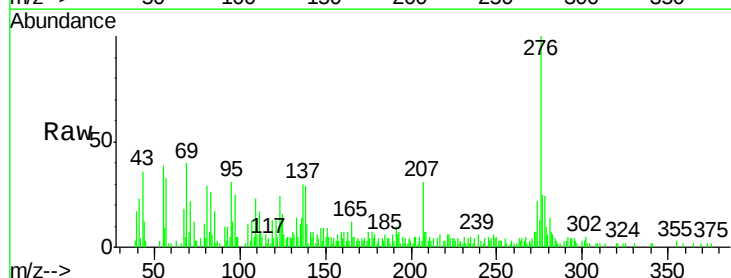
Tgt Ion:276 Resp: 52368

Ion Ratio Lower Upper

276 100

138 0.0 14.0 21.0#

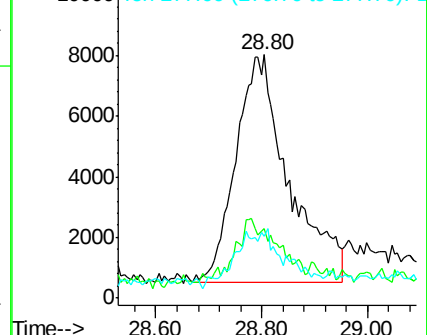
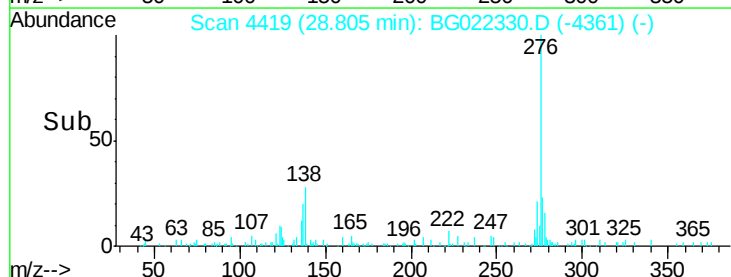
277 0.0 20.6 30.8#

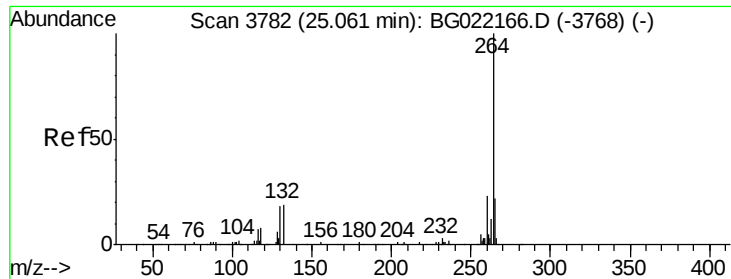


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

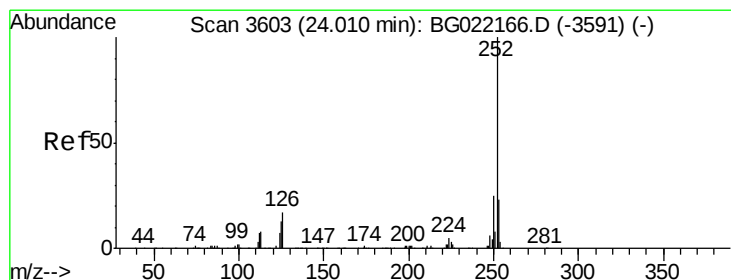
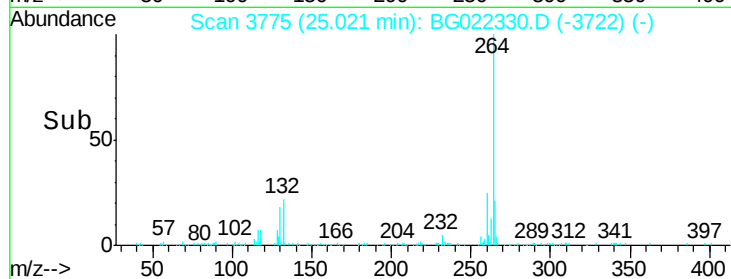
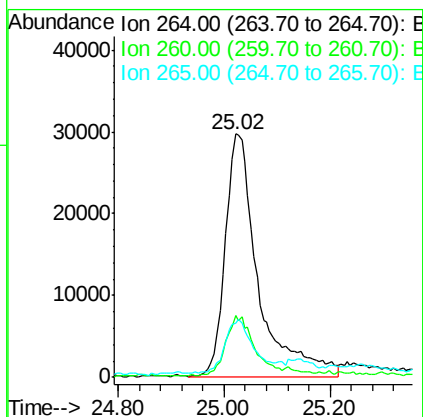
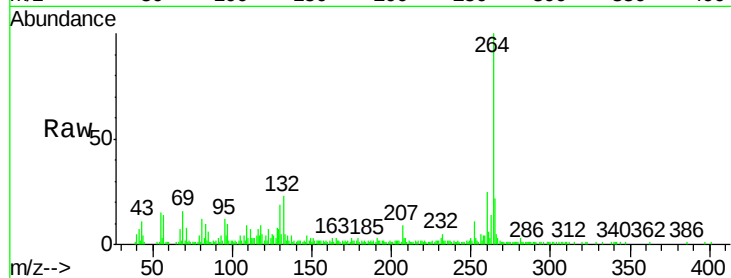




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.02 min Scan# 3775
Delta R.T. 0.01 min
Lab File: BG022330.D
Acq: 13 Jun 2016 18:57

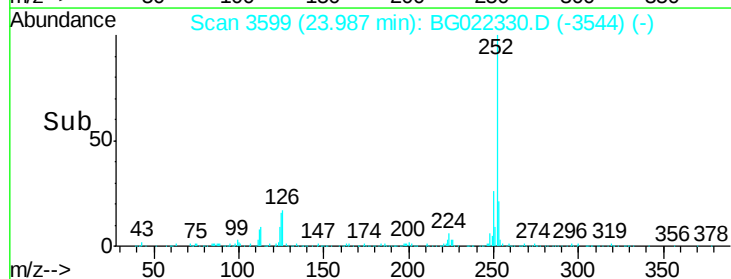
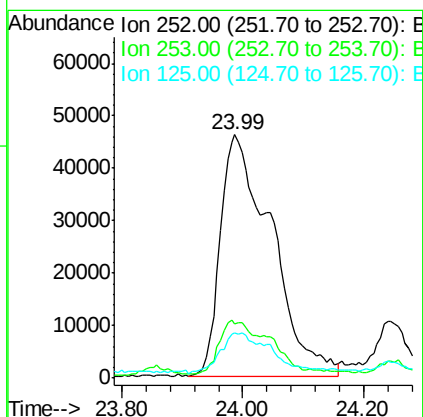
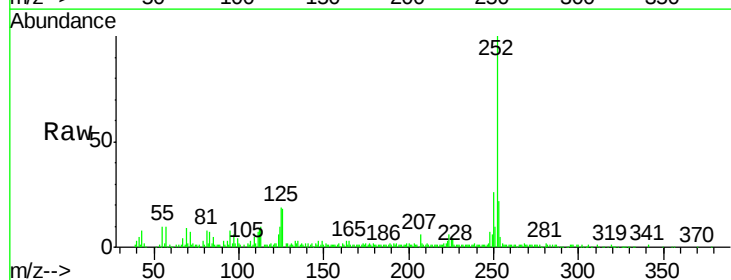
Instrument :
BNA_G
ClientSampleId :
S7-B4(6-12)C

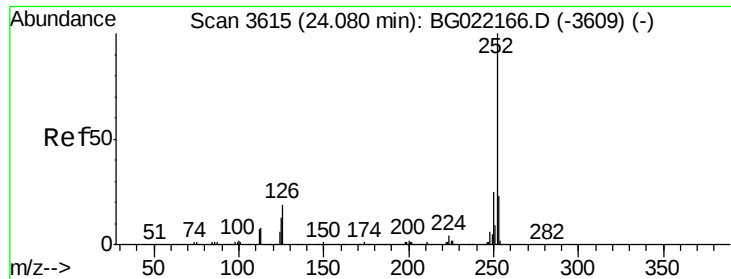
Tgt Ion:264 Resp: 130612
Ion Ratio Lower Upper
264 100
260 25.4 20.2 30.4
265 22.1 17.8 26.8



#87
Benzo(b)fluoranthene
Concen: 35.46 ng
RT: 23.99 min Scan# 3599
Delta R.T. 0.02 min
Lab File: BG022330.D
Acq: 13 Jun 2016 18:57

Tgt Ion:252 Resp: 270095
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 18.5 8.6 13.0#





#88

Benzo(k)fluoranthene

Concen: 36.02 ng

RT: 23.99 min Scan# 3599

Delta R.T. -0.06 min

Lab File: BG022330.D

Acq: 13 Jun 2016 18:57

Instrument :

BNA_G

ClientSampleId :

S7-B4(6-12)C

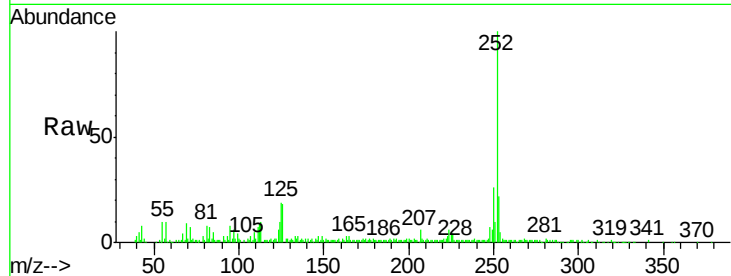
Tgt Ion:252 Resp: 270095

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

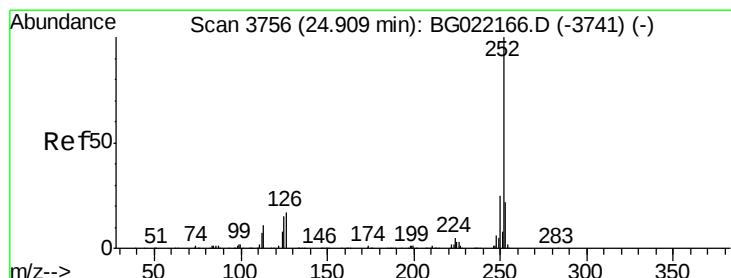
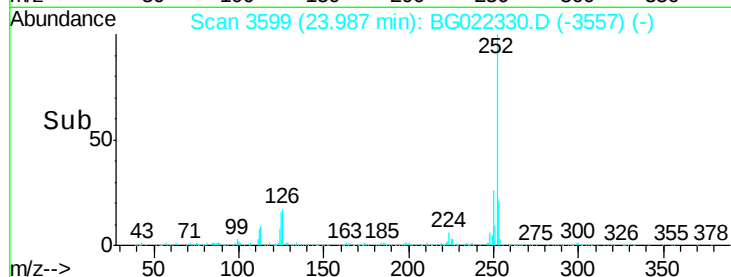
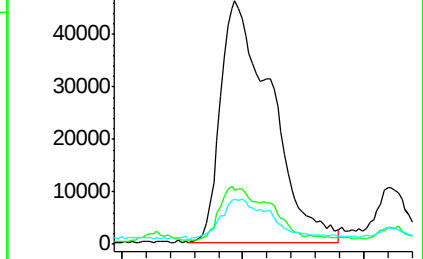
125 18.5 8.3 12.5#



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: 17.58 ng

RT: 24.87 min Scan# 3750

Delta R.T. 0.01 min

Lab File: BG022330.D

Acq: 13 Jun 2016 18:57

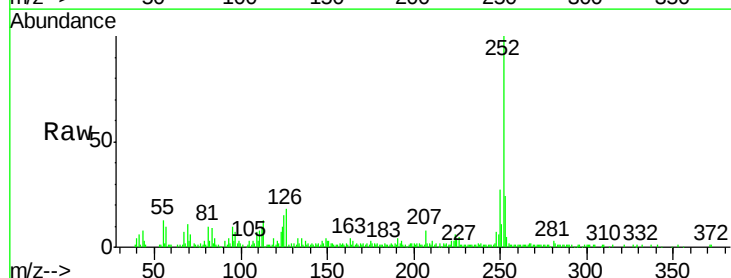
Tgt Ion:252 Resp: 128015

Ion Ratio Lower Upper

252 100

253 24.0 17.1 25.7

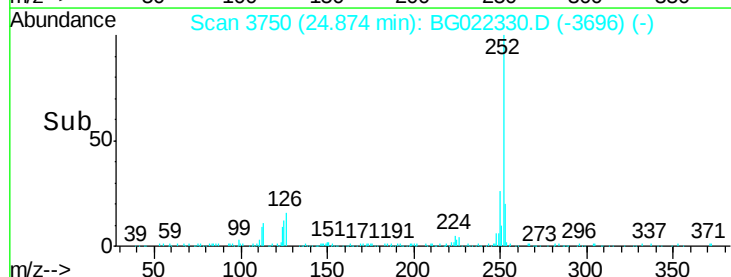
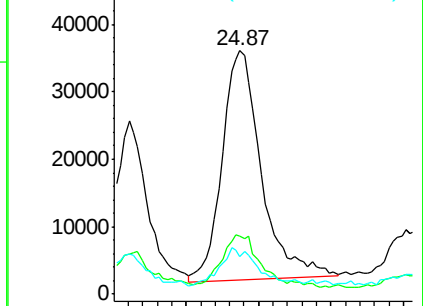
125 15.5 9.6 14.4#

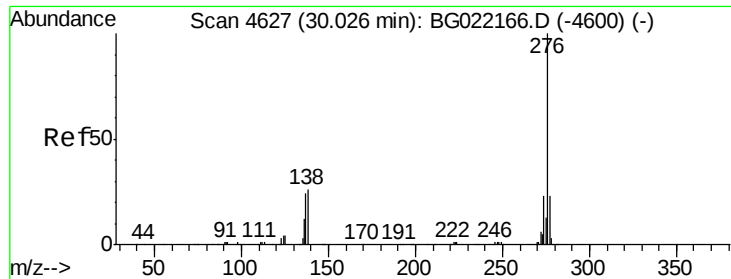


Abundance Ion 252.00 (251.70 to 252.70): E

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: 5.30 ng

RT: 29.96 min Scan# 4616

Delta R.T. 0.02 min

Lab File: BG022330.D

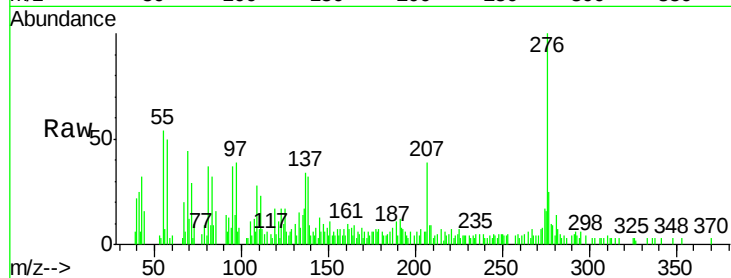
Acq: 13 Jun 2016 18:57

Instrument :

BNA_G

ClientSampleId :

S7-B4(6-12)C



Tgt Ion: 276 Resp: 37805

Ion Ratio Lower Upper

276 100

277 25.3 19.4 29.2

138 32.3 17.4 26.0#

