

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032715\
 Data File : BG016192.D
 Acq On : 28 Mar 2015 1:15
 Operator : TP/IZ
 Sample : G1647-07 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 06:10:24 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM01.2-EPA-BG031715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 28 05:59:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	78211	20.00	ng/ul	0.00
18) Naphthalene-d8	10.58	136	341514	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	193995	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	357178	20.00	ng/ul	0.00
75) Chrysene-d12	21.34	240	374627	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	382178	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.96	99	69708	10.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	35654	9.19	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	54265	10.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	53788	10.18	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	28199	10.39	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	28458	10.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	48852	10.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	51635	7.79	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	133926	10.59	ng/ul	0.00
46) Acenaphthylene-d8	14.11	160	182387	10.37	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	21603	7.15	ng/ul	0.00
57) Fluorene-d10	15.41	176	122998	9.73	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	3599	1.93	ng/ul	0.00
70) Anthracene-d10	17.26	188	166826	10.22	ng/ul	0.00
76) Pyrene-d10	19.55	212	171884	10.26	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	167379	10.04	ng/ul	0.03

Target Compounds

						Ovalue
16) 4-Methylphenol	8.55	108	7564	1.21	ng/ul	95
28) Naphthalene	10.63	128	400223	21.71	ng/ul	99
34) 2-Methylnaphthalene	12.24	142	253404	19.42	ng/ul	98
40) 1,1'-Biphenyl	13.25	154	79048	5.20	ng/ul	98
44) Dimethylphthalate	13.87	163	48585	3.39	ng/ul	98
49) Acenaphthene	14.48	153	444900	33.67	ng/ul	98
53) Dibenzofuran	14.82	168	519536	29.12	ng/ul	99
58) Fluorene	15.47	166	535183	34.34	ng/ul	99
64) N-Nitrosodiphenylamine	15.54	169	11473	1.01	ng/ul	92
69) Phenanthrene	17.21	178	2603787	128.24	ng/ul#	74
71) Anthracene	17.29	178	1111153	53.90	ng/ul	96
72) Carbazole	17.56	167	398522	20.11	ng/ul	99
74) Fluoranthene	19.23	202	2875611	125.27	ng/ul#	80
77) Pyrene	19.59	202	2639269	114.50	ng/ul#	82
80) Benzo(a)anthracene	21.32	228	1626367	76.62	ng/ul#	87
82) Chrysene	21.38	228	1425662	70.60	ng/ul#	90
85) Benzo(b)fluoranthene	22.95	252	1833686	83.59	ng/ul#	93
86) Benzo(k)fluoranthene	22.98	252	791610	36.54	ng/ul	93
88) Benzo(a)pyrene	23.54	252	1433121	65.56	ng/ul	93
89) Indeno(1,2,3-cd)pyrene	25.99	276	777087	30.73	ng/ul	95
90) Dibenzo(a,h)anthracene	25.99	278	196210	9.26	ng/ul#	73
91) Benzo(a,h,i)perylene	26.71	276	601680	28.31	ng/ul	97

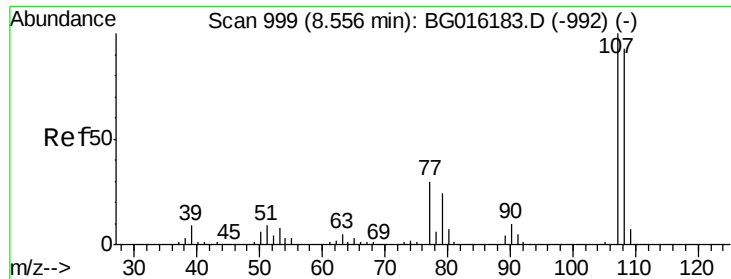
Data Path : Z:\HPCHEM1\BNA G\DATA\BG032715\
Data File : BG016192.D
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Instrument :
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Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 28 05:59:58 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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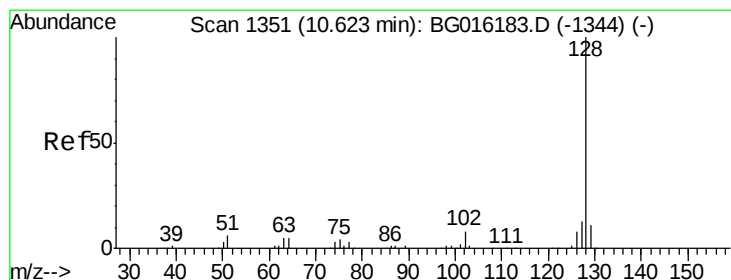
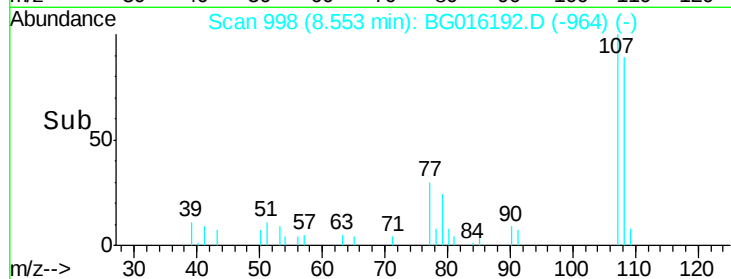
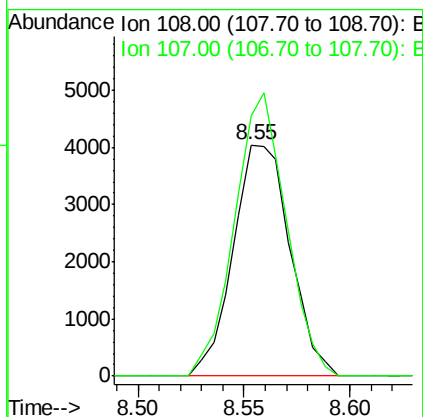
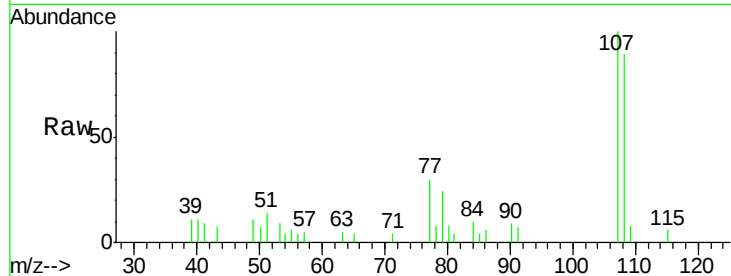
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#16
4-Methylphenol
Concen: 1.21 ng/ul
RT: 8.55 min Scan# 998
Delta R.T. -0.00 min
Lab File: BG016192.D
Acq: 28 Mar 2015 1:15

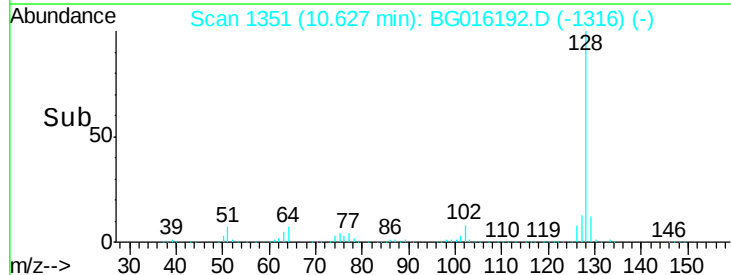
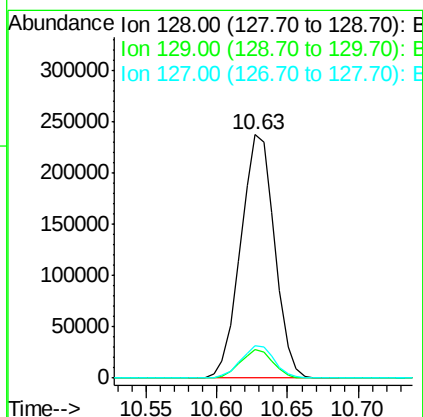
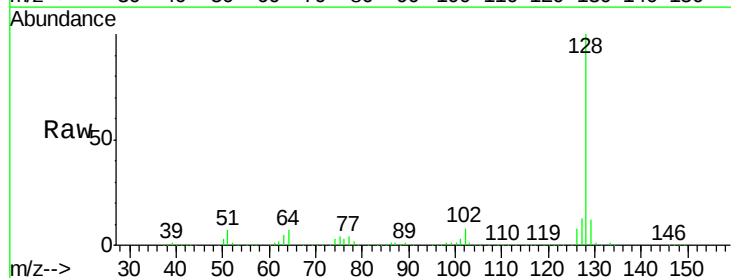
Instrument :
BNA_G
ClientSampleId :

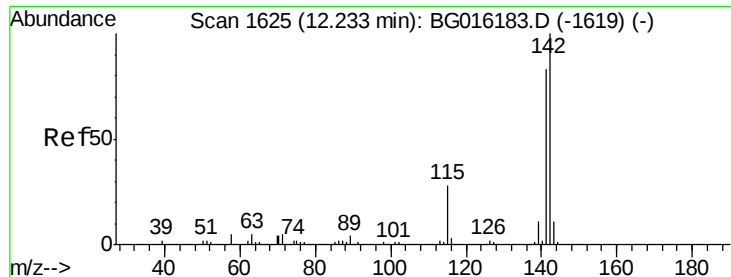
Tot Ion:108 Resp: 7564
Ion Ratio Lower Upper
108 100
107 112.7 86.2 129.2



#28
Naphthalene
Concen: 21.71 ng/ul
RT: 10.63 min Scan# 1351
Delta R.T. 0.00 min
Lab File: BG016192.D
Acq: 28 Mar 2015 1:15

Tgt Ion:128 Resp: 400223
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.4
127 13.2 10.4 15.6

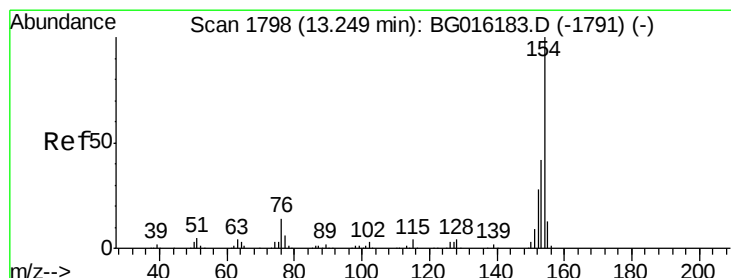
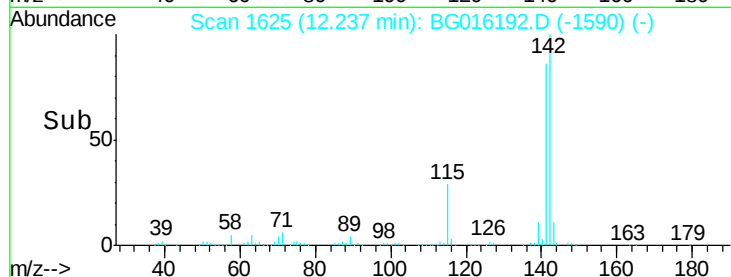
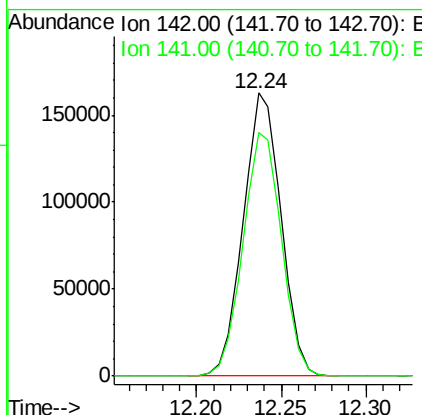
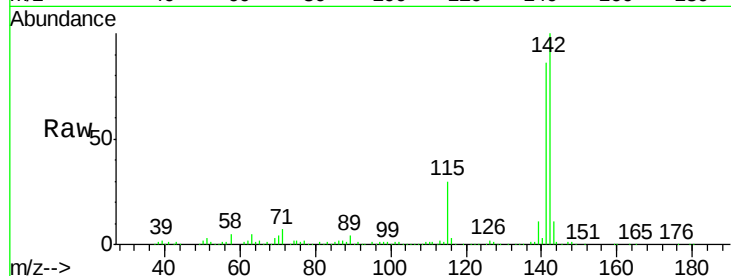




#34
 2-Methylnaphthalene
 Concen: 19.42 ng/ul
 RT: 12.24 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BG016192.D
 Acq: 28 Mar 2015 1:15

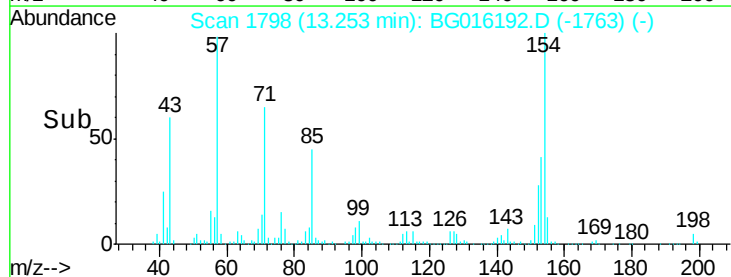
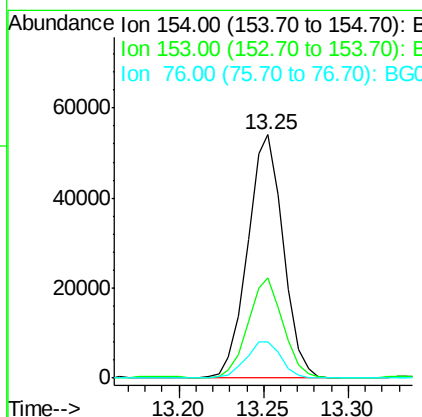
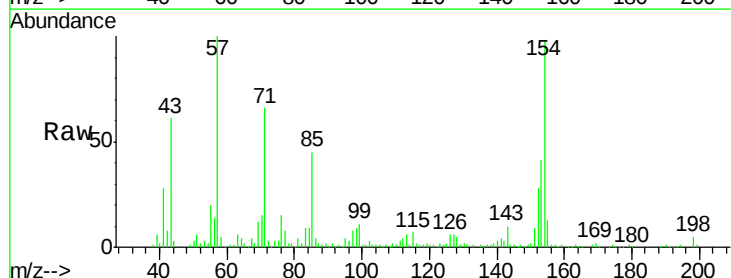
Instrument :
 BNA_G
 ClientSampleId :

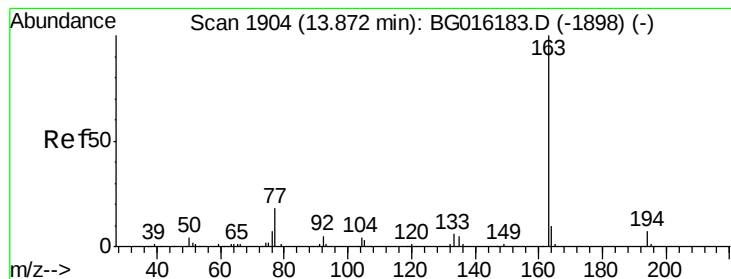
Tot Ion:142 Resp: 253404
 Ion Ratio Lower Upper
 142 100
 141 86.0 70.2 105.2



#40
 1,1'-Biphenyl
 Concen: 5.20 ng/ul
 RT: 13.25 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: BG016192.D
 Acq: 28 Mar 2015 1:15

Tgt Ion:154 Resp: 79048
 Ion Ratio Lower Upper
 154 100
 153 41.3 33.9 50.9
 76 14.8 12.6 19.0





#44

Dimethylphthalate

Concen: 3.39 ng/ul

RT: 13.87 min Scan# 1903

Delta R.T. -0.00 min

Lab File: BG016192.D

Acq: 28 Mar 2015 1:15

Instrument :

BNA_G

ClientSampleId :

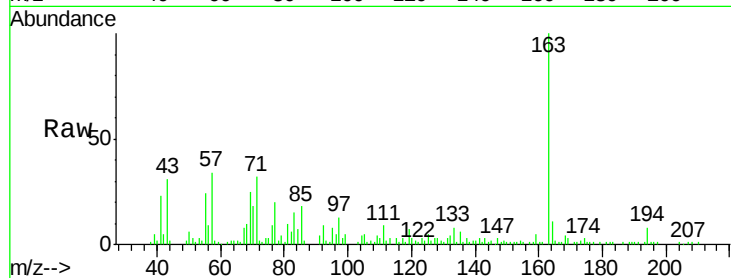
Tot Ion:163 Resp: 48585

Ion Ratio Lower Upper

163 100

194 7.7 5.4 8.0

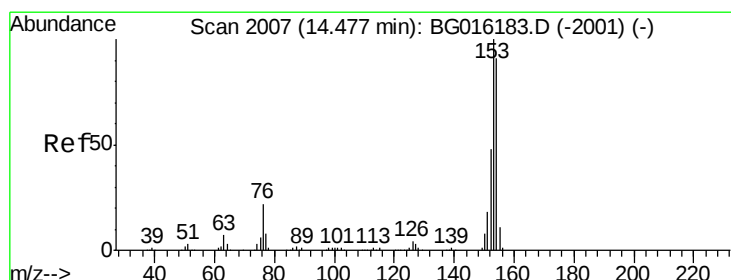
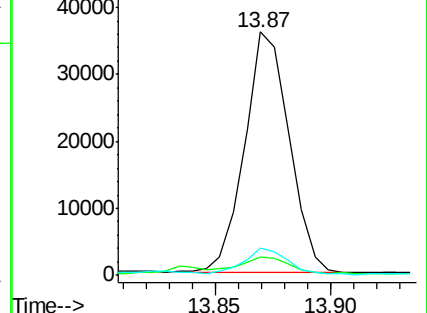
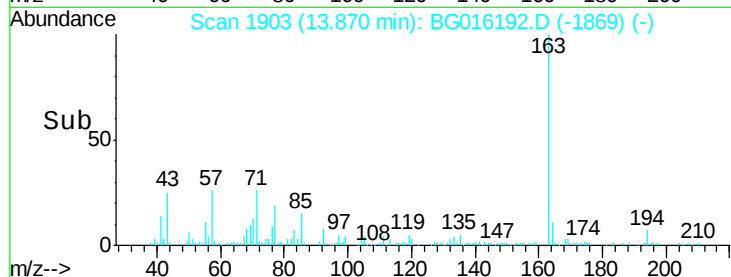
164 11.0 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 33.67 ng/ul

RT: 14.48 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BG016192.D

Acq: 28 Mar 2015 1:15

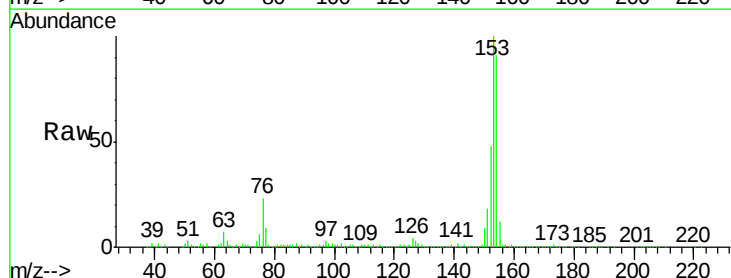
Tgt Ion:153 Resp: 444900

Ion Ratio Lower Upper

153 100

152 47.7 37.4 56.2

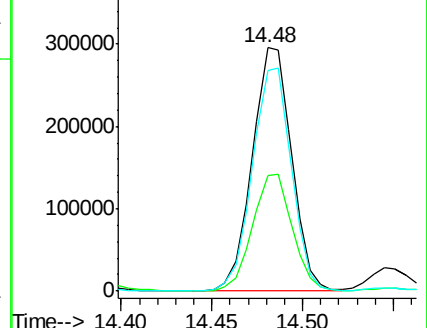
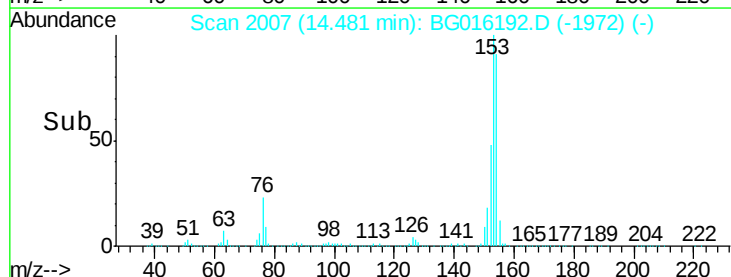
154 90.9 74.4 111.6

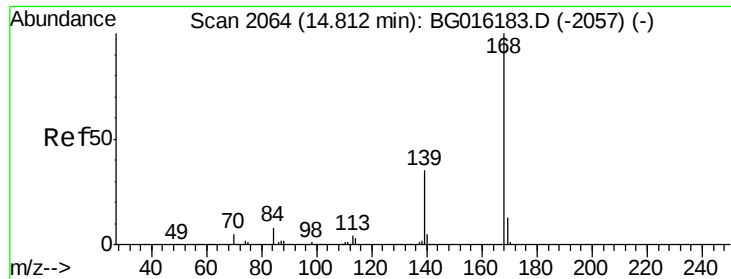


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 29.12 ng/ul

RT: 14.82 min Scan# 2064

Delta R.T. 0.00 min

Lab File: BG016192.D

Acq: 28 Mar 2015 1:15

Instrument :

BNA_G

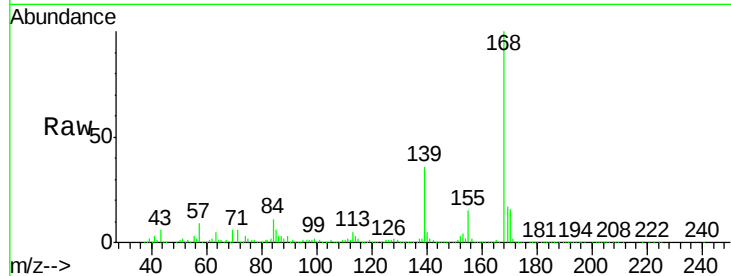
ClientSampleId :

Tot Ion:168 Resp: 519536

Ion Ratio Lower Upper

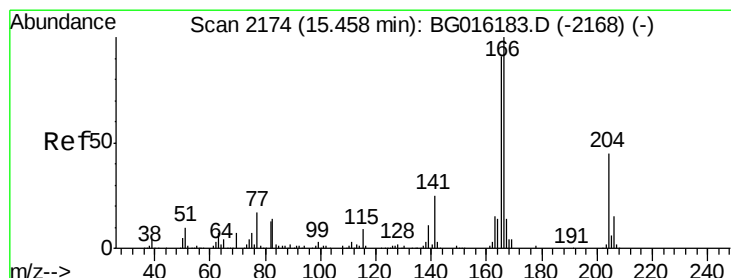
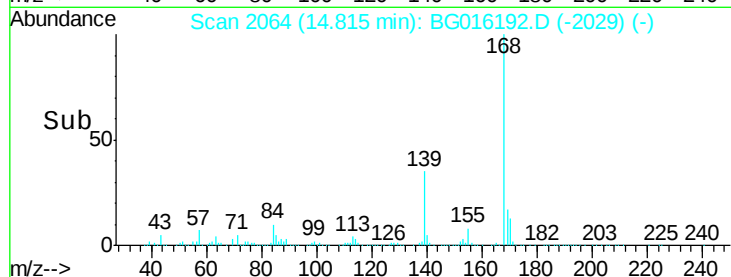
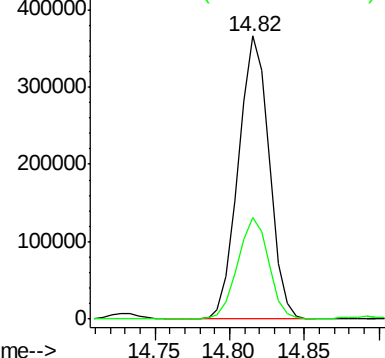
168 100

139 35.8 29.1 43.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 34.34 ng/ul

RT: 15.47 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BG016192.D

Acq: 28 Mar 2015 1:15

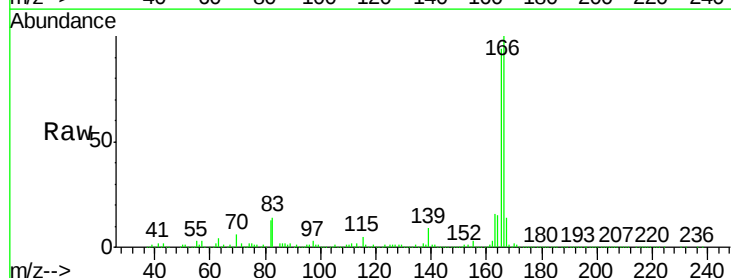
Tgt Ion:166 Resp: 535183

Ion Ratio Lower Upper

166 100

165 94.2 76.1 114.1

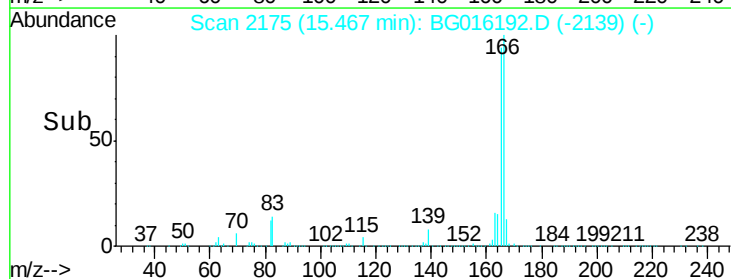
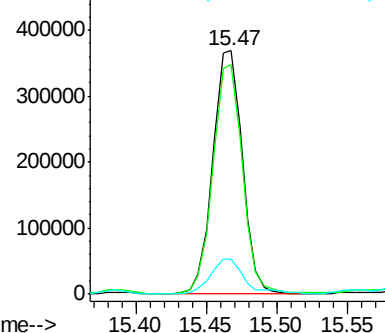
167 14.4 10.5 15.7

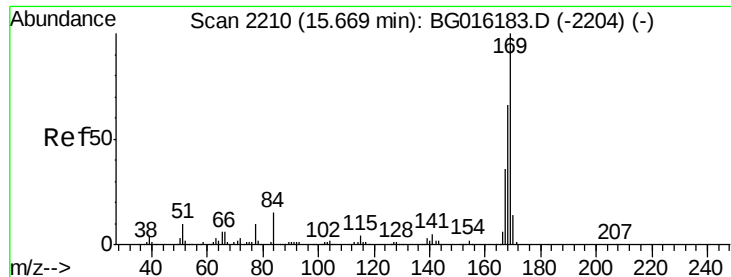


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

N-Nitrosodiphenylamine

Concen: 1.01 ng/ul

RT: 15.54 min Scan# 2188

Delta R.T. -0.13 min

Lab File: BG016192.D

Acq: 28 Mar 2015 1:15

Instrument :

BNA_G

ClientSampled :

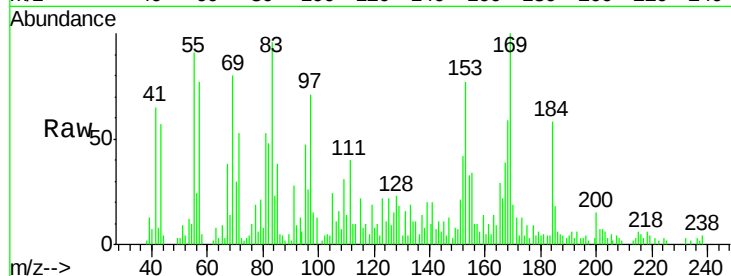
Tot Ion:169 Resp: 11473

Ion Ratio Lower Upper

169 100

168 59.0 52.0 78.0

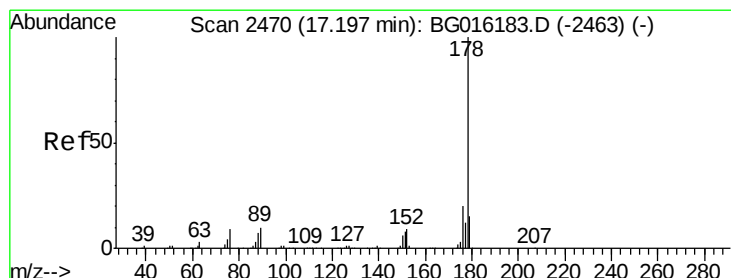
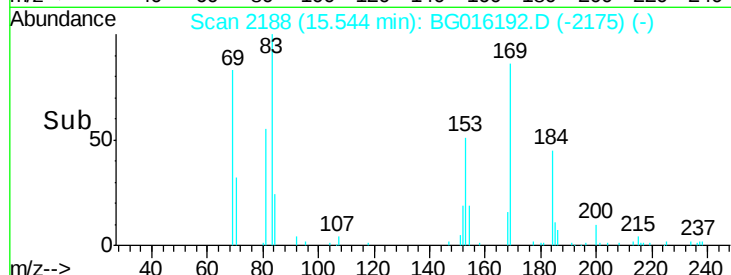
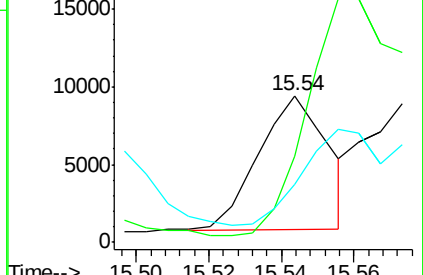
167 39.5 28.0 42.0



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 128.24 ng/ul

RT: 17.21 min Scan# 2472

Delta R.T. 0.02 min

Lab File: BG016192.D

Acq: 28 Mar 2015 1:15

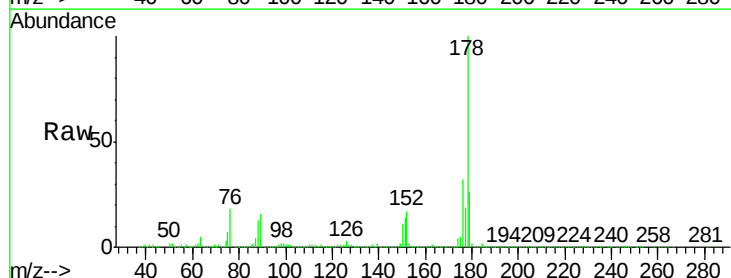
Tgt Ion:178 Resp: 2603787

Ion Ratio Lower Upper

178 100

179 26.0 12.8 19.2#

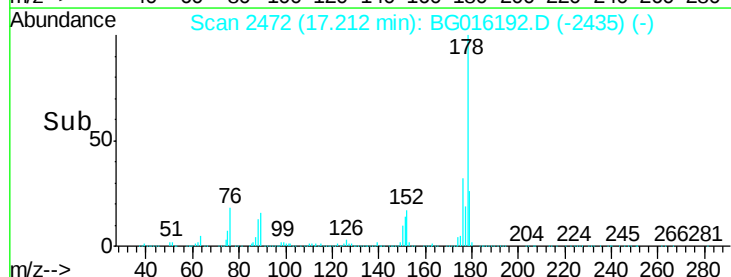
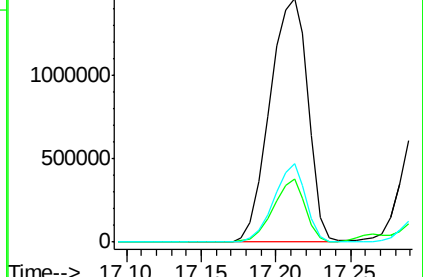
176 32.2 15.6 23.4#

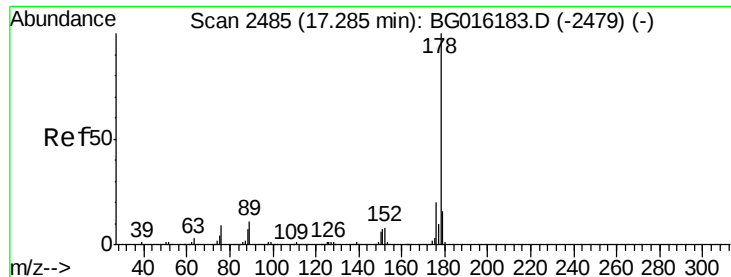


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 53.90 ng/ul

RT: 17.29 min Scan# 2486

Delta R.T. 0.01 min

Lab File: BG016192.D

Acq: 28 Mar 2015 1:15

Instrument :

BNA_G

ClientSampled :

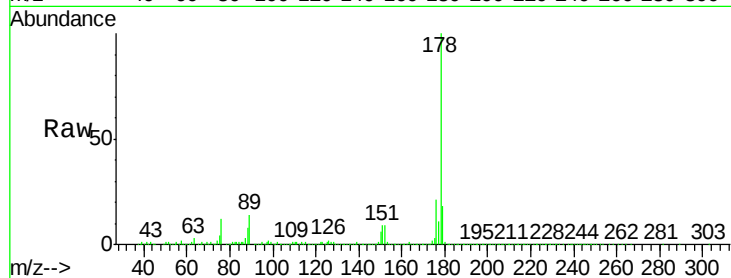
Tot Ion:178 Resp: 1111153

Ion Ratio Lower Upper

178 100

179 17.6 12.7 19.1

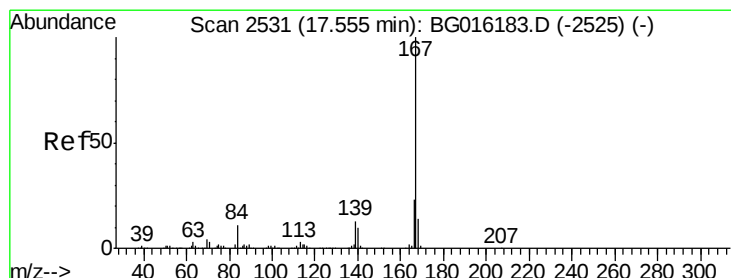
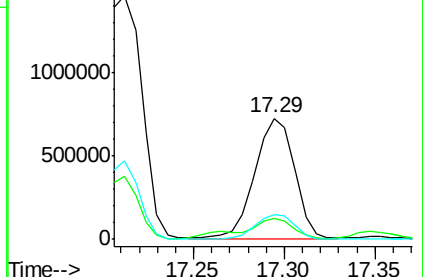
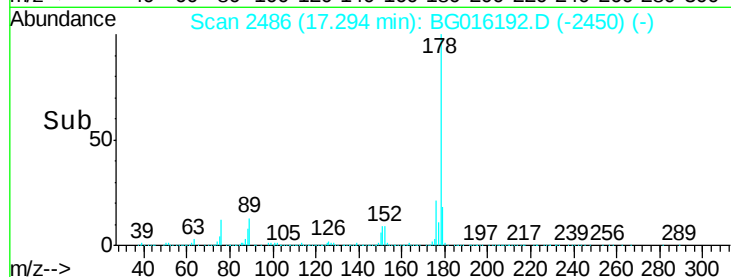
176 20.8 15.3 22.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Carbazole

Concen: 20.11 ng/ul

RT: 17.56 min Scan# 2531

Delta R.T. 0.00 min

Lab File: BG016192.D

Acq: 28 Mar 2015 1:15

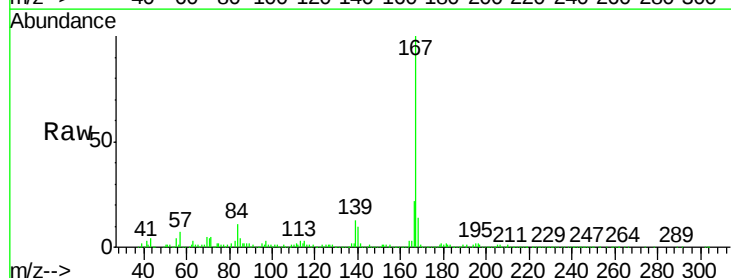
Tgt Ion:167 Resp: 398522

Ion Ratio Lower Upper

167 100

166 22.2 18.2 27.2

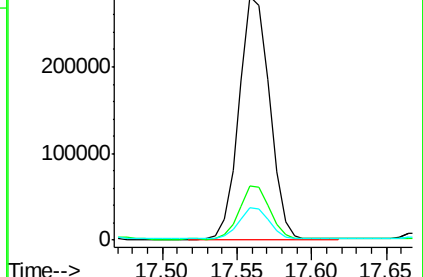
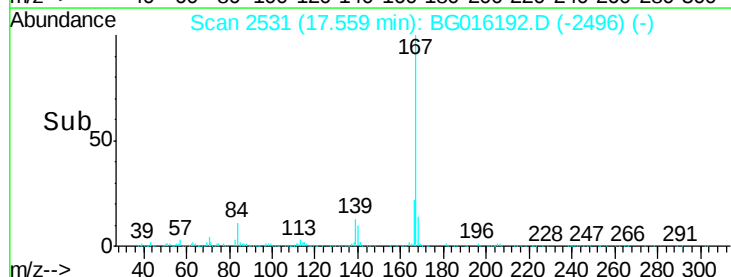
139 13.2 10.0 15.0

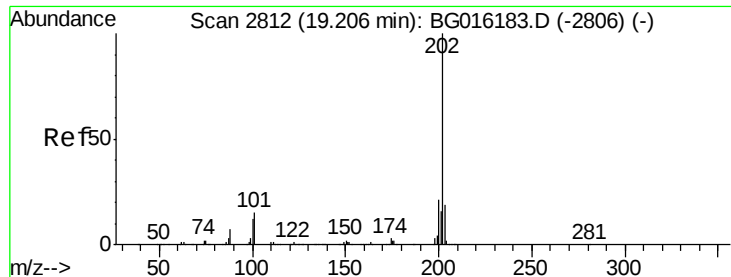


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 125.27 ng/ul

RT: 19.23 min Scan# 2815

Delta R.T. 0.02 min

Lab File: BG016192.D

Acq: 28 Mar 2015 1:15

Instrument :

BNA_G

ClientSampleId :

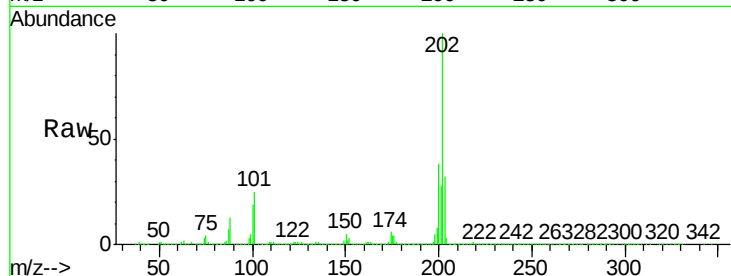
Tot Ion:202 Resp: 2875611

Ion Ratio Lower Upper

202 100

101 25.0 12.9 19.3#

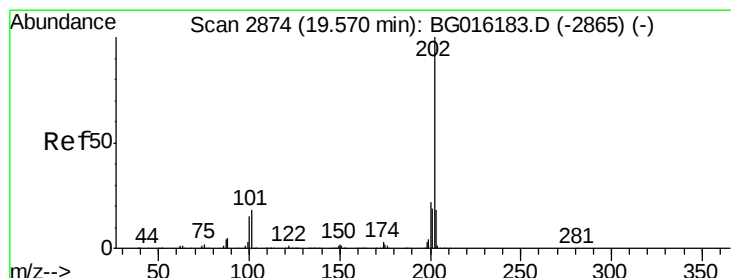
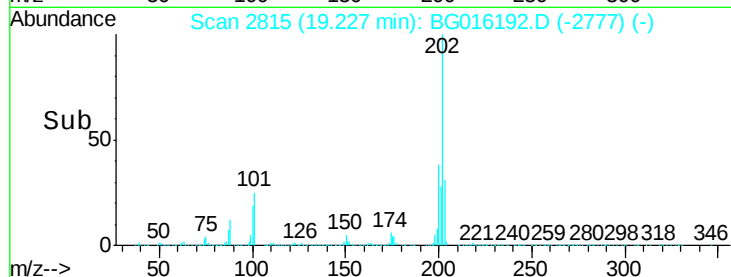
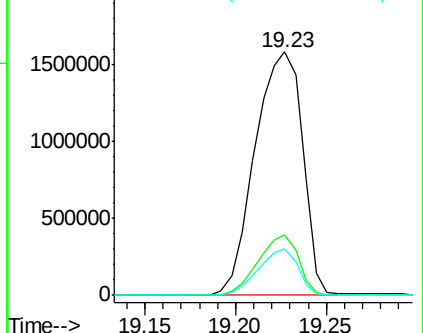
100 19.2 9.4 14.2#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 114.50 ng/ul

RT: 19.59 min Scan# 2876

Delta R.T. 0.02 min

Lab File: BG016192.D

Acq: 28 Mar 2015 1:15

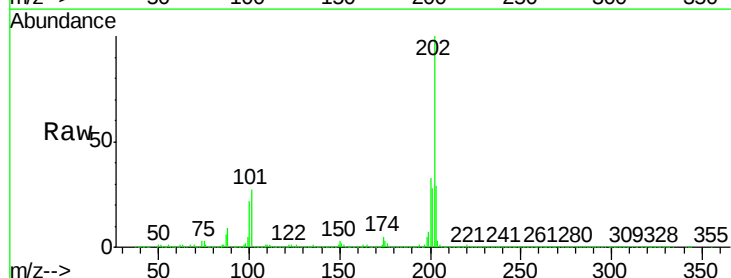
Tgt Ion:202 Resp: 2639269

Ion Ratio Lower Upper

202 100

101 27.0 14.6 21.8#

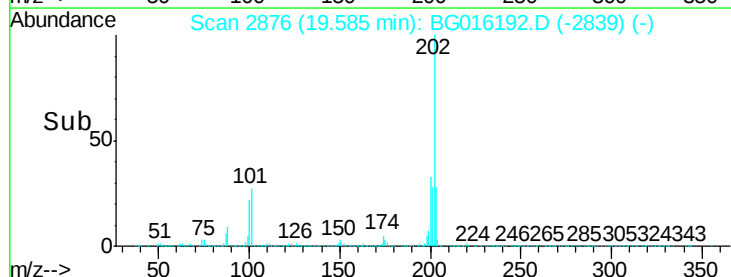
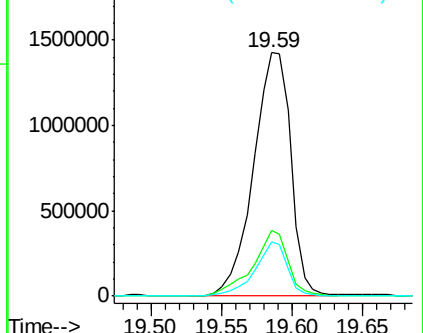
100 22.2 12.1 18.1#

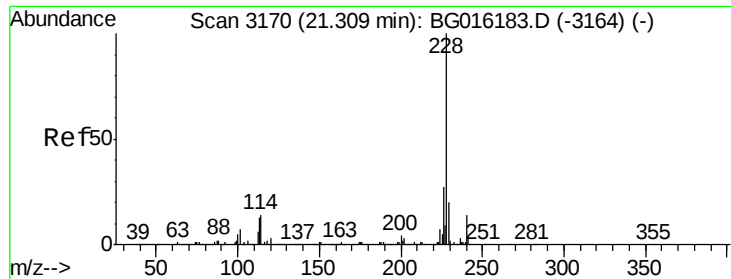


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

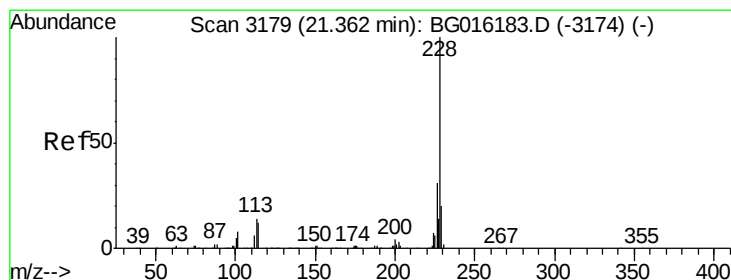
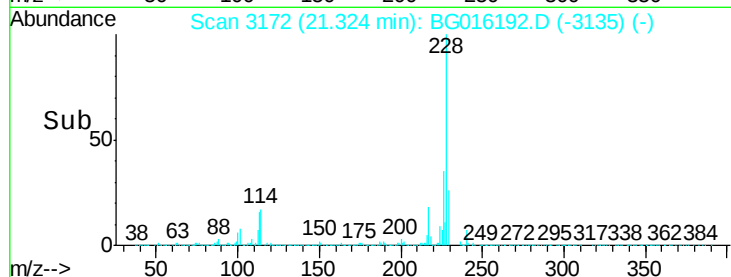
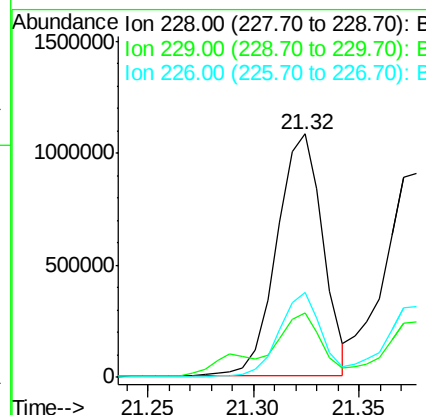
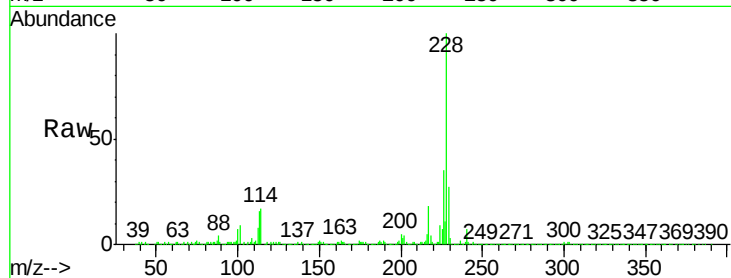




#80
Benzo(a)anthracene
Concen: 76.62 ng/ul
RT: 21.32 min Scan# 3172
Delta R.T. 0.02 min
Lab File: BG016192.D
Acq: 28 Mar 2015 1:15

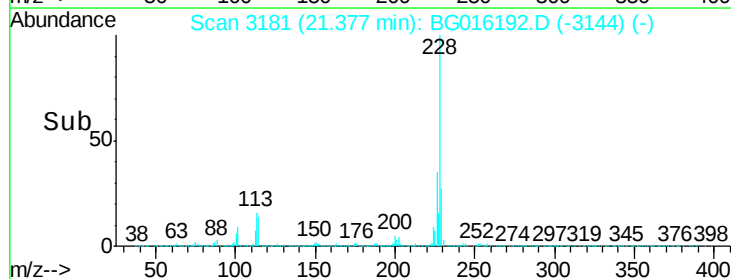
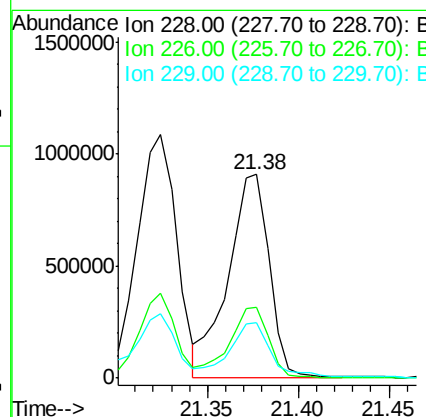
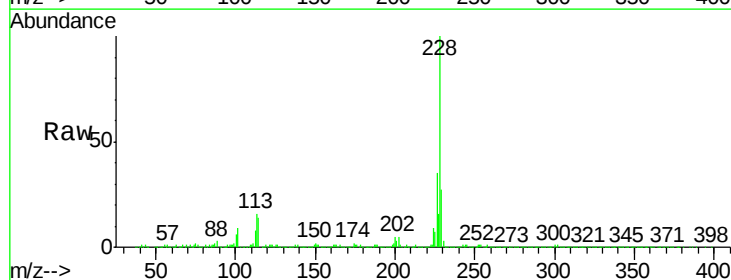
Instrument :
BNA_G
ClientSampleId :

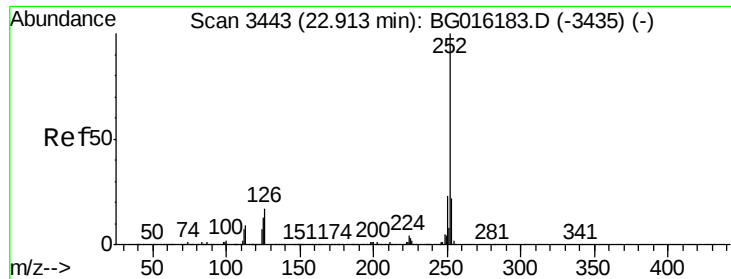
Tot Ion:228 Resp: 1626367
Ion Ratio Lower Upper
228 100
229 26.5 16.2 24.4#
226 34.7 22.4 33.6#



#82
Chrysene
Concen: 70.60 ng/ul
RT: 21.38 min Scan# 3181
Delta R.T. 0.02 min
Lab File: BG016192.D
Acq: 28 Mar 2015 1:15

Tgt Ion:228 Resp: 1425662
Ion Ratio Lower Upper
228 100
226 35.1 24.6 36.8
229 27.3 16.6 25.0#





#85

Benzo(b)fluoranthene

Concen: 83.59 ng/ul

RT: 22.95 min Scan# 3448

Delta R.T. 0.03 min

Lab File: BG016192.D

Acq: 28 Mar 2015 1:15

Instrument :

BNA_G

ClientSampled :

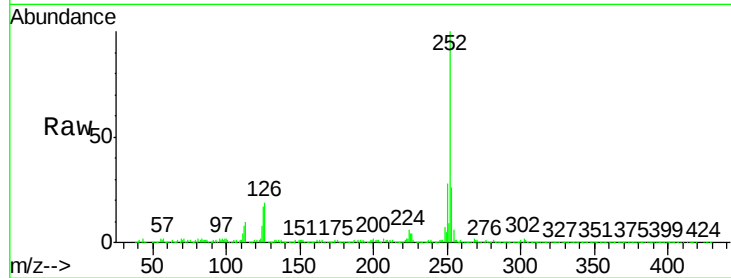
Tot Ion:252 Resp: 1833686

Ion Ratio Lower Upper

252 100

253 25.7 17.9 26.9

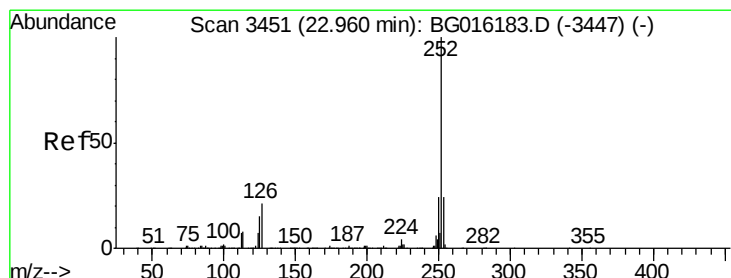
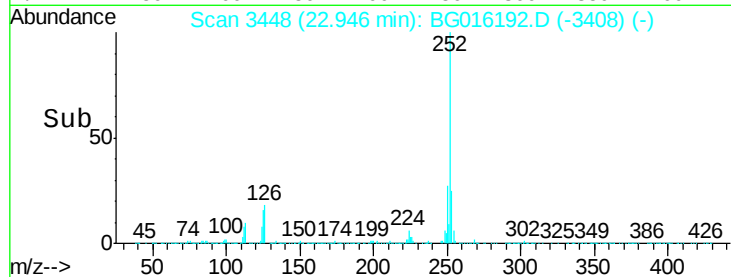
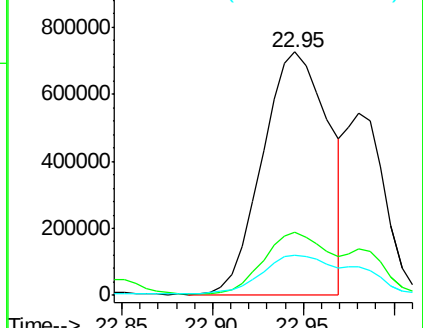
125 16.7 11.0 16.6#



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



#86

Benzo(k)fluoranthene

Concen: 36.54 ng/ul

RT: 22.98 min Scan# 3454

Delta R.T. 0.02 min

Lab File: BG016192.D

Acq: 28 Mar 2015 1:15

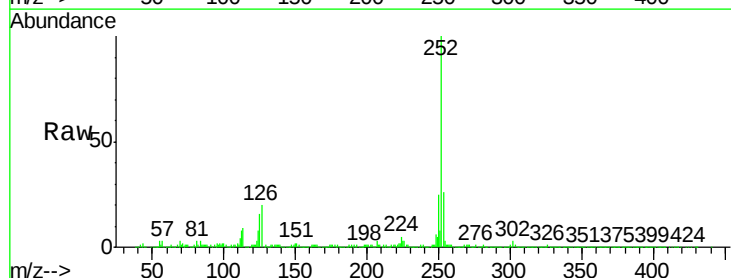
Tgt Ion:252 Resp: 791610

Ion Ratio Lower Upper

252 100

253 25.7 17.8 26.6

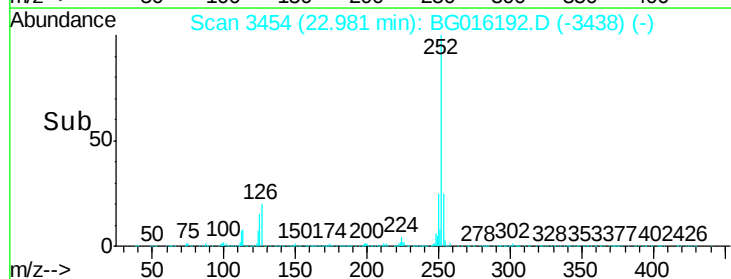
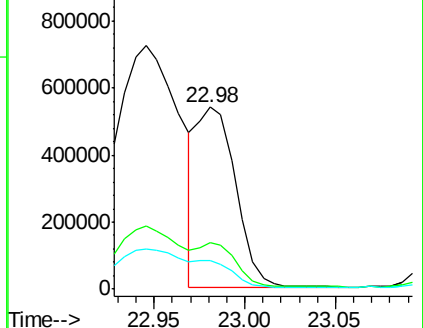
125 15.9 10.7 16.1

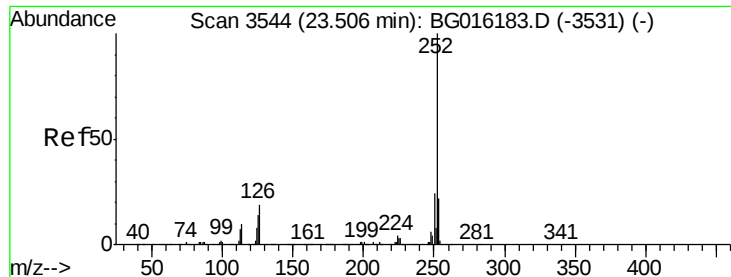


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

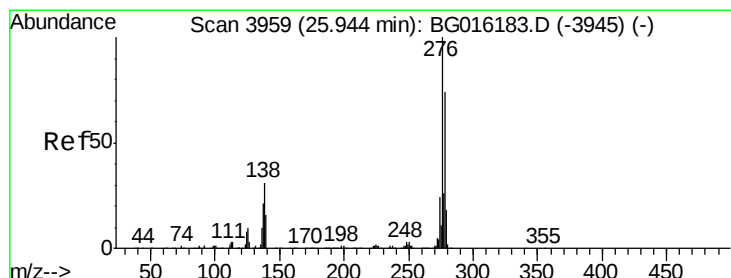
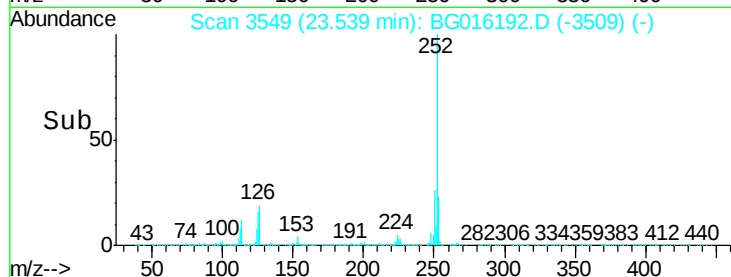
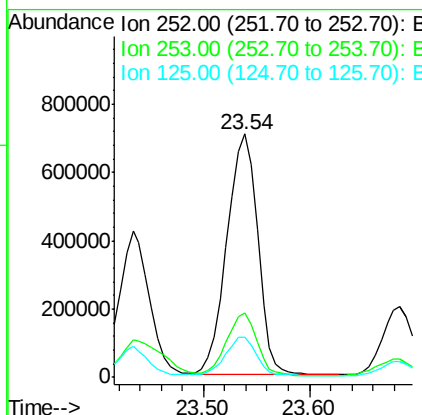
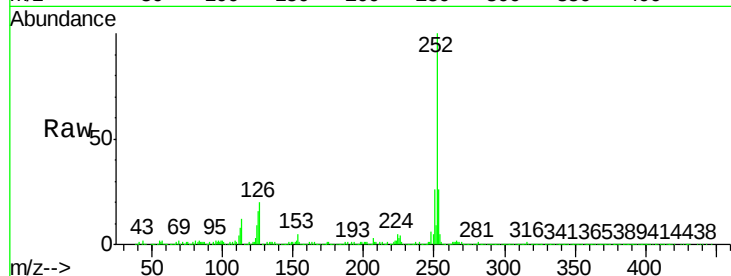




#88
Benzo(a)pyrene
Concen: 65.56 ng/ul
RT: 23.54 min Scan# 3549
Delta R.T. 0.03 min
Lab File: BG016192.D
Acq: 28 Mar 2015 1:15

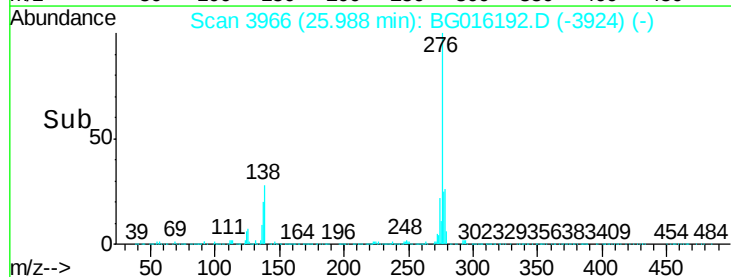
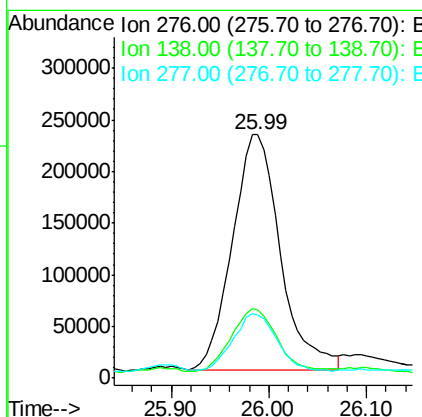
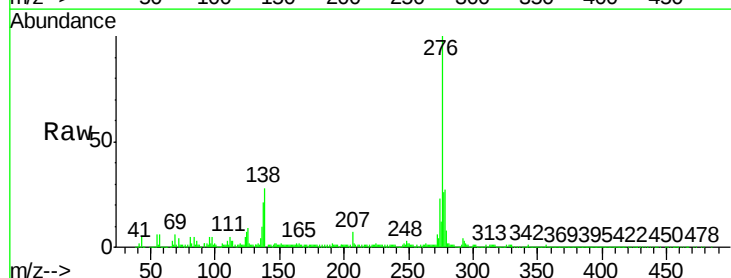
Instrument :
BNA_G
ClientSampleId :

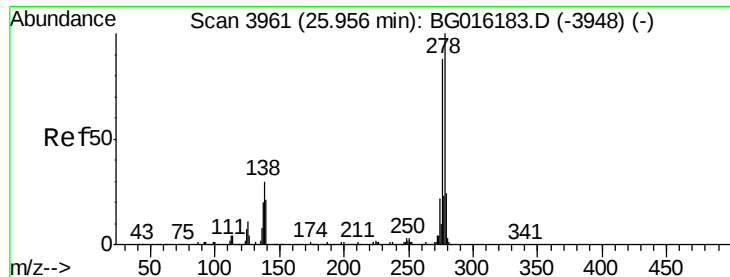
Tot Ion:252 Resp: 1433121
Ion Ratio Lower Upper
252 100
253 26.2 17.6 26.4
125 16.4 11.5 17.3



#89
Indeno(1,2,3-cd)pyrene
Concen: 30.73 ng/ul
RT: 25.99 min Scan# 3966
Delta R.T. 0.04 min
Lab File: BG016192.D
Acq: 28 Mar 2015 1:15

Tgt Ion:276 Resp: 777087
Ion Ratio Lower Upper
276 100
138 28.0 26.1 39.1
277 25.8 20.0 30.0





#90

Dibenzo(a,h)anthracene

Concen: 9.26 ng/ul

RT: 25.99 min Scan# 3966

Delta R.T. 0.03 min

Lab File: BG016192.D

Acq: 28 Mar 2015 1:15

Instrument :

BNA_G

ClientSampleId :

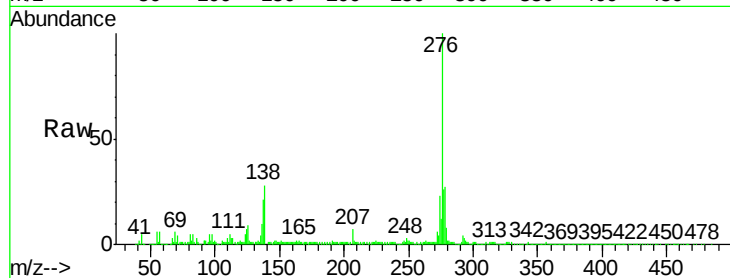
Tot Ion:278 Resp: 196210

Ion Ratio Lower Upper

278 100

139 0.0 17.8 26.6#

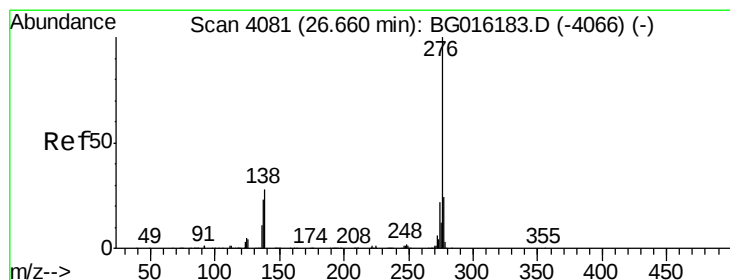
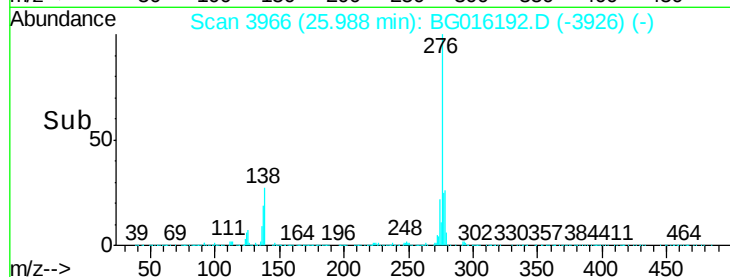
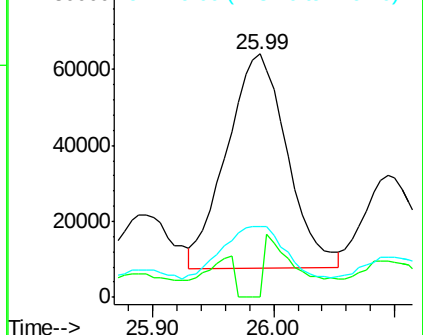
279 28.9 19.3 28.9



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: 28.31 ng/ul

RT: 26.71 min Scan# 4089

Delta R.T. 0.05 min

Lab File: BG016192.D

Acq: 28 Mar 2015 1:15

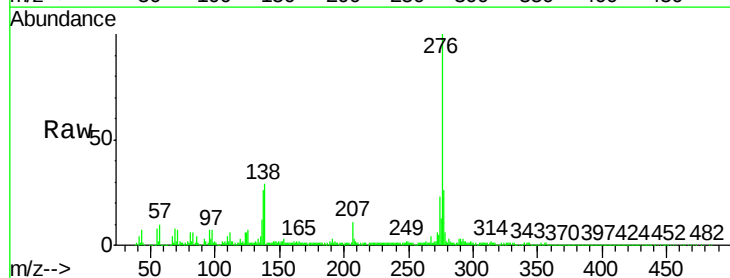
Tgt Ion:276 Resp: 601680

Ion Ratio Lower Upper

276 100

138 28.9 22.0 33.0

277 25.6 19.0 28.4



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

