

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
 Data File : BG016210.D
 Acq On : 31 Mar 2015 21:13
 Operator : TP/IZ
 Sample : G1647-05 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AC4

Quant Time: Apr 01 11:21:31 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 01 04:39:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	72795	20.00	ng/ul	0.00
18) Naphthalene-d8	10.55	136	313659	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	180904	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	357830	20.00	ng/ul	0.00
75) Chrysene-d12	21.32	240	355177	20.00	ng/ul	0.00
83) Perylene-d12	23.59	264	355651	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
5) Phenol-d5	6.94	99	17835	2.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	11081	2.87	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	13782	2.63	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	13355	2.57	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	7461	2.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.64	143	8061	2.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.18	165	11807	2.47	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	14326	2.23	ng/ul	0.00
43) Dimethylphthalate-d6	13.81	166	35741	2.99	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	47872	2.85	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	5955	1.98	ng/ul	0.00
57) Fluorene-d10	15.39	176	32370	2.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	3196	1.31	ng/ul	0.00
70) Anthracene-d10	17.24	188	45814	2.79	ng/ul	0.00
76) Pyrene-d10	19.53	212	44452	2.75	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.44	264	37200	2.32	ng/ul	0.00

Target Compounds

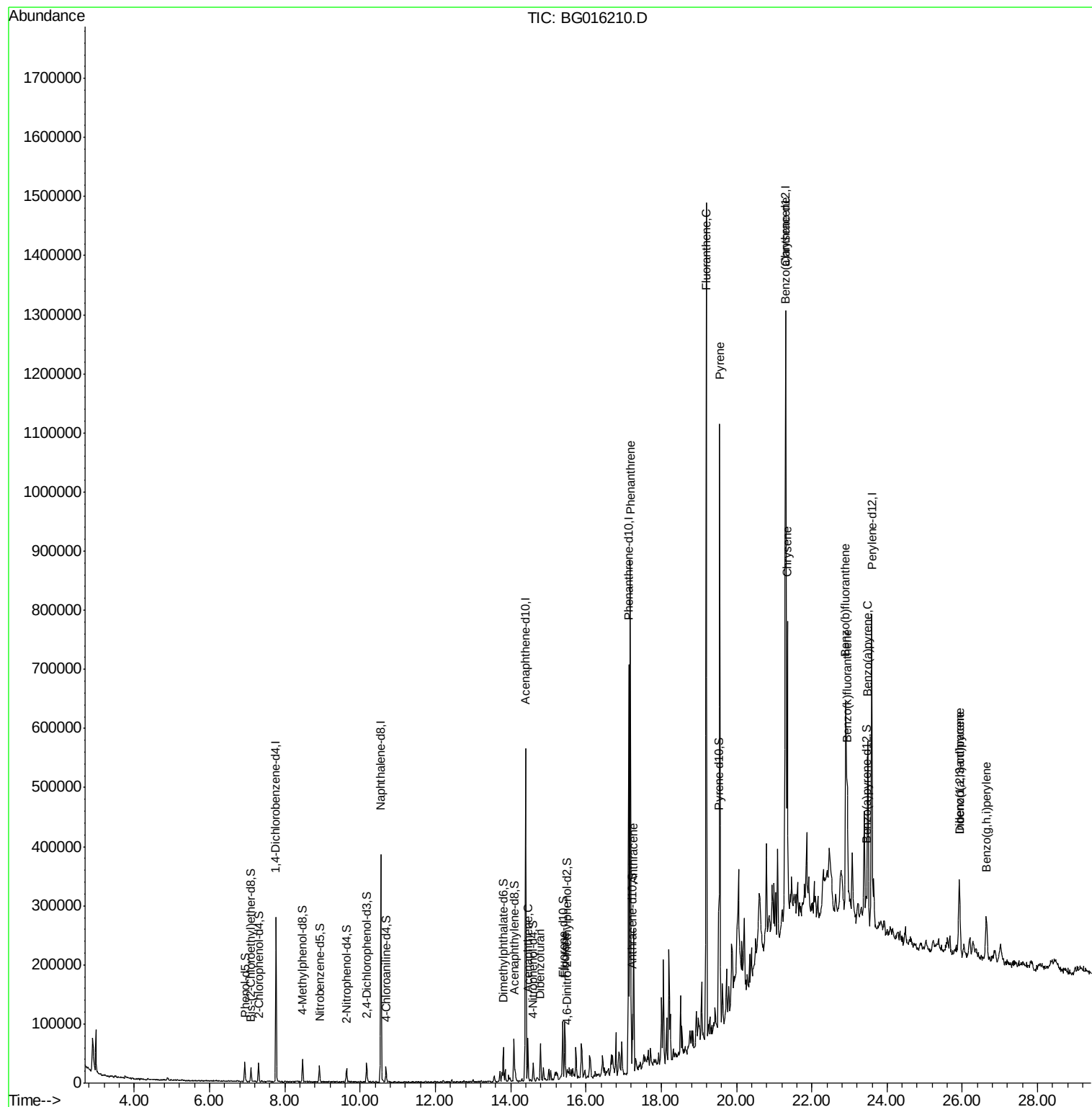
						Qvalue
49) Acenaphthene	14.46	153	27216	2.16	ng/ul	99
53) Dibenzofuran	14.79	168	28196	1.72	ng/ul	96
58) Fluorene	15.44	166	39226	2.73	ng/ul	98
69) Phenanthrene	17.18	178	461773	22.73	ng/ul	100
71) Anthracene	17.27	178	134695	6.49	ng/ul	99
74) Fluoranthene	19.19	202	731742	32.41	ng/ul	98
77) Pyrene	19.56	202	553244	25.09	ng/ul	100
80) Benzo(a)anthracene	21.30	228	295614	14.38	ng/ul	99
82) Chrysene	21.35	228	231140	12.10	ng/ul	98
85) Benzo(b)fluoranthene	22.91	252	287951	13.56	ng/ul#	94
86) Benzo(k)fluoranthene	22.94	252	84841m	4.15	ng/ul	
88) Benzo(a)pyrene	23.49	252	204611	10.10	ng/ul	95
89) Indeno(1,2,3-cd)pyrene	25.92	276	112906	4.77	ng/ul	93
90) Dibenzo(a,h)anthracene	25.92	278	33780	1.71	ng/ul#	89
91) Benzo(g,h,i)perylene	26.64	276	83983	4.34	ng/ul	98

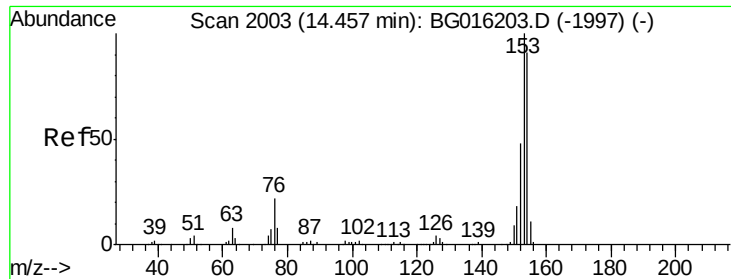
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 13 Sample Multiplier: 1

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Quant Time: Apr 01 11:21:31 2015
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 01 04:39:57 2015
Response via : Initial Calibration





#49

Acenaphthene

Concen: 2.16 ng/ul

RT: 14.46 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BG016210.D

Acq: 31 Mar 2015 21:13

Instrument :

BNA_G

ClientSampleId :

C0AC4

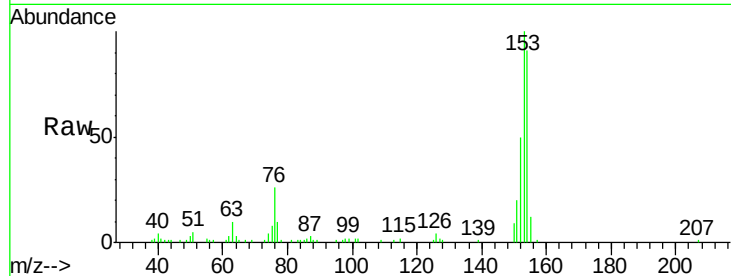
Tgt Ion:153 Resp: 27216

Ion Ratio Lower Upper

153 100

152 49.5 39.0 58.4

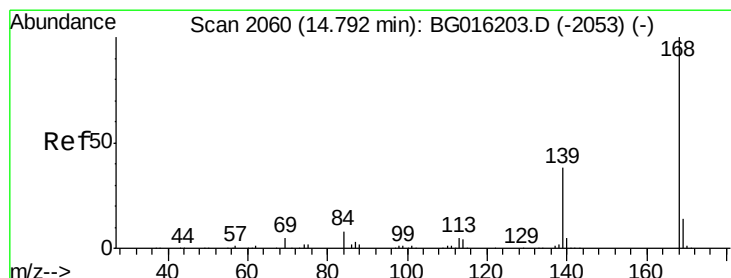
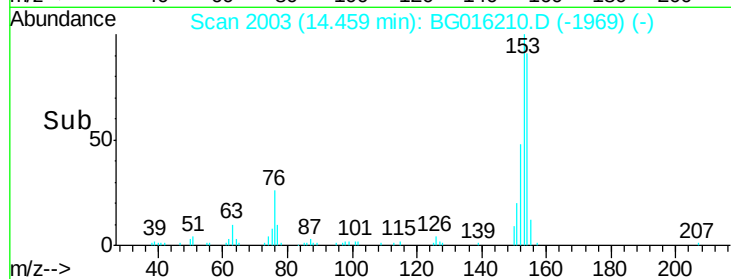
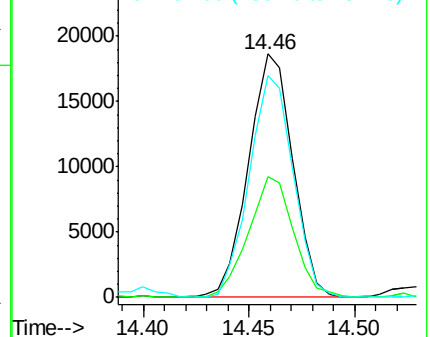
154 90.9 72.5 108.7



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

Dibenzofuran

Concen: 1.72 ng/ul

RT: 14.79 min Scan# 2060

Delta R.T. 0.00 min

Lab File: BG016210.D

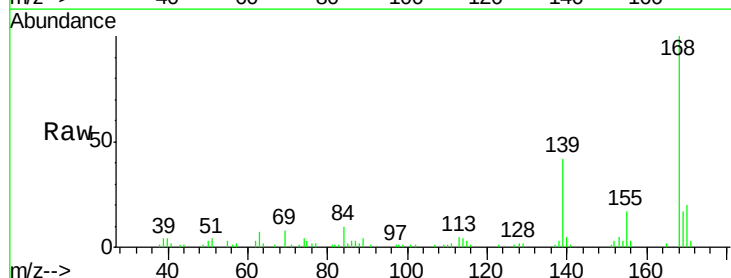
Acq: 31 Mar 2015 21:13

Tgt Ion:168 Resp: 28196

Ion Ratio Lower Upper

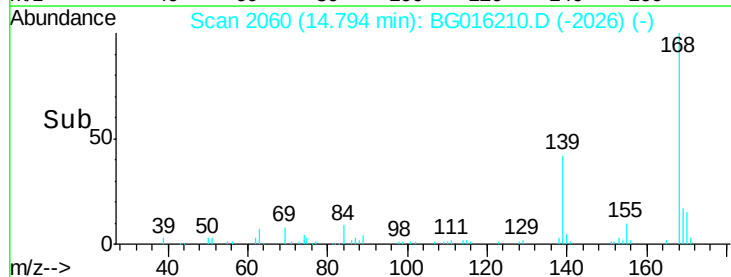
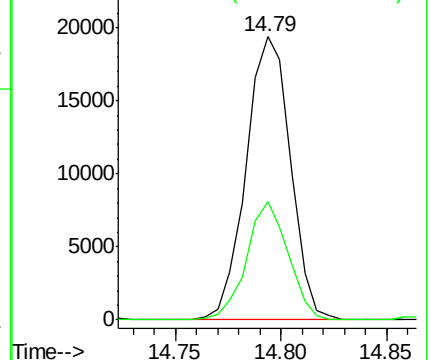
168 100

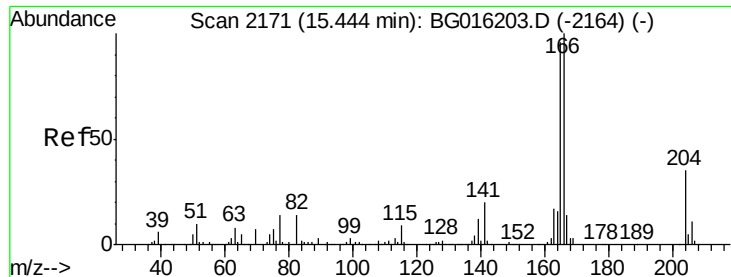
139 41.7 31.4 47.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

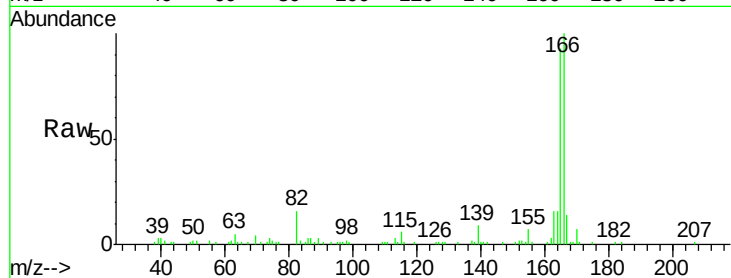




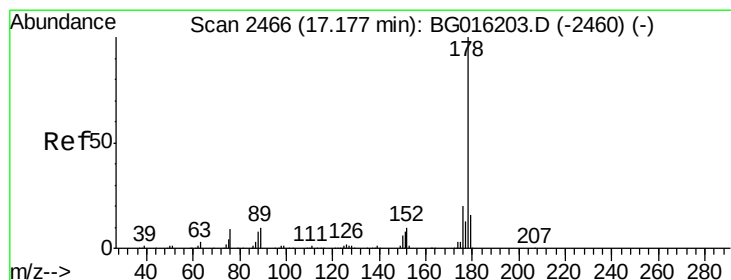
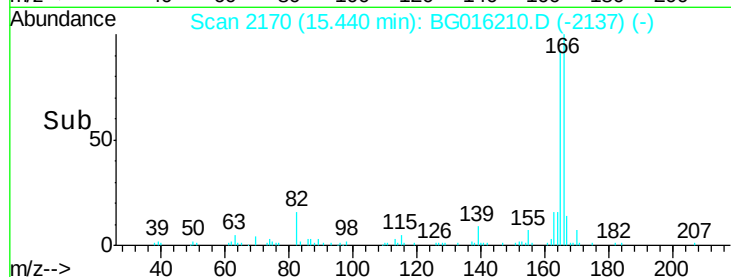
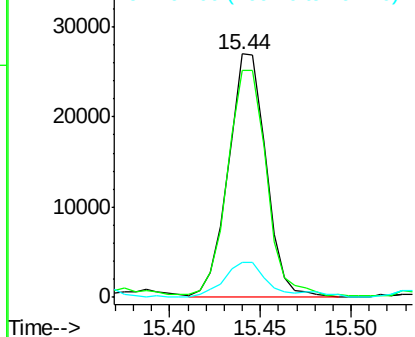
#58
 Fluorene
 Concen: 2.73 ng/ul
 RT: 15.44 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: BG016210.D
 Acq: 31 Mar 2015 21:13

Instrument :
 BNA_G
 ClientSampleId :
 C0AC4

Tgt Ion:166 Resp: 39226
 Ion Ratio Lower Upper
 166 100
 165 93.0 75.6 113.4
 167 14.4 10.7 16.1

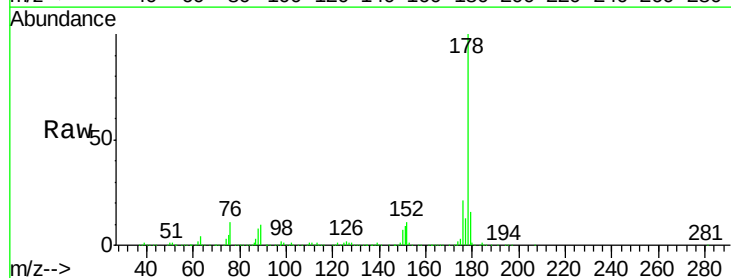


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

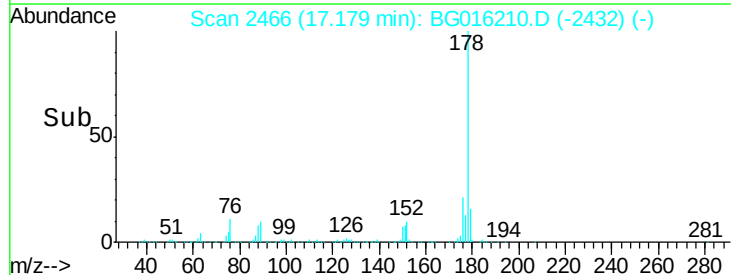
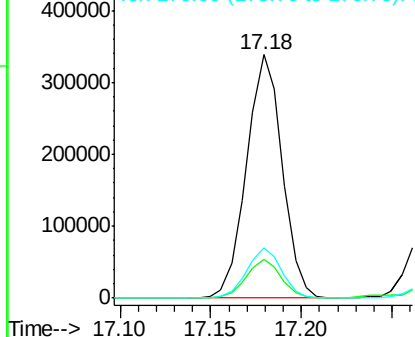


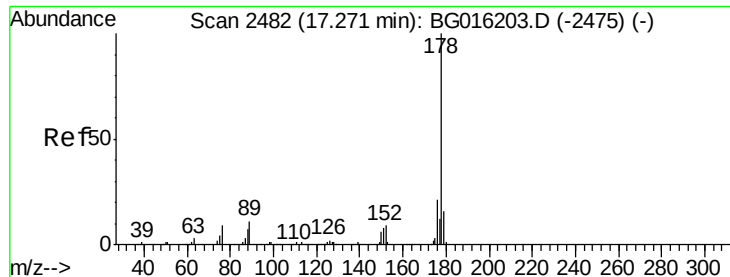
#69
 Phenanthrene
 Concen: 22.73 ng/ul
 RT: 17.18 min Scan# 2466
 Delta R.T. 0.00 min
 Lab File: BG016210.D
 Acq: 31 Mar 2015 21:13

Tgt Ion:178 Resp: 461773
 Ion Ratio Lower Upper
 178 100
 179 16.0 12.6 19.0
 176 20.6 16.6 24.8



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

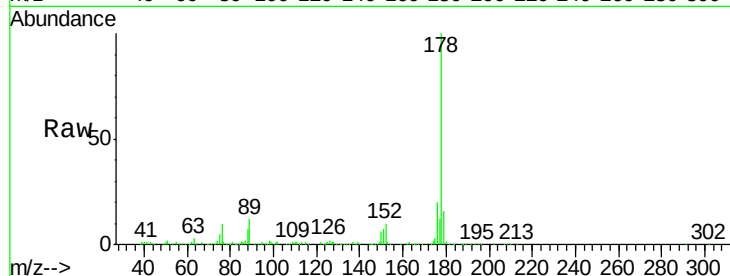




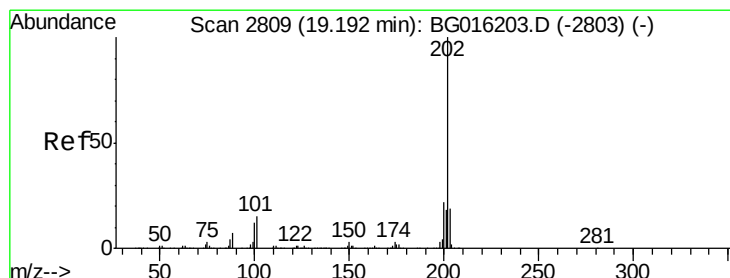
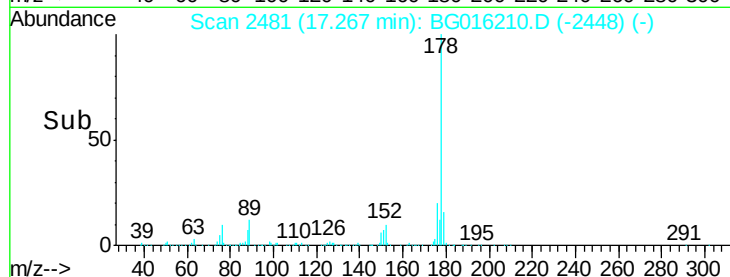
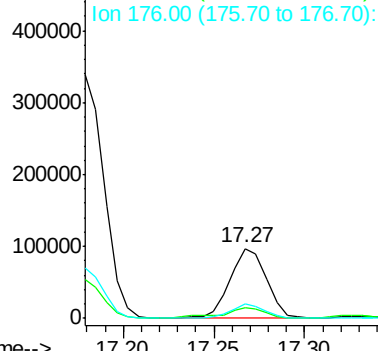
#71
 Anthracene
 Concen: 6.49 ng/ul
 RT: 17.27 min Scan# 2481
 Delta R.T. -0.00 min
 Lab File: BG016210.D
 Acq: 31 Mar 2015 21:13

Instrument :
 BNA_G
 ClientSampleId :
 C0AC4

Tgt Ion:178 Resp: 134695
 Ion Ratio Lower Upper
 178 100
 179 15.6 13.0 19.4
 176 19.9 15.9 23.9

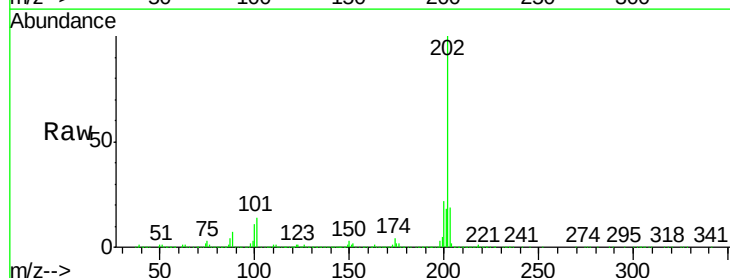


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

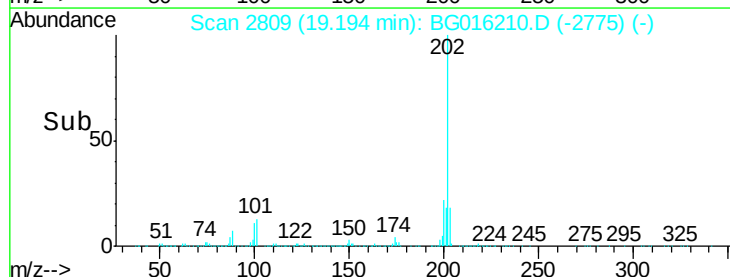
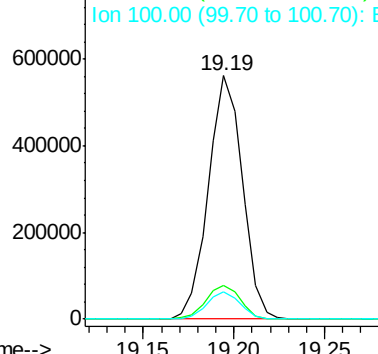


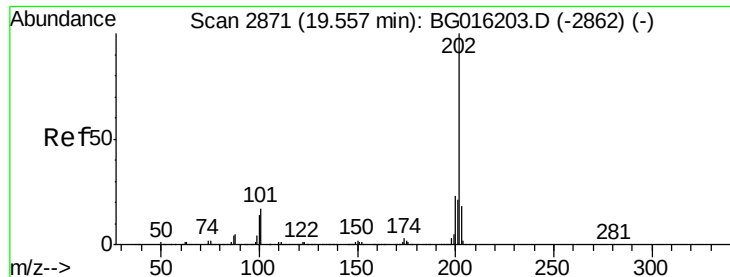
#74
 Fluoranthene
 Concen: 32.41 ng/ul
 RT: 19.19 min Scan# 2809
 Delta R.T. 0.00 min
 Lab File: BG016210.D
 Acq: 31 Mar 2015 21:13

Tgt Ion:202 Resp: 731742
 Ion Ratio Lower Upper
 202 100
 101 13.8 11.8 17.8
 100 11.2 9.4 14.0



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: 25.09 ng/ul

RT: 19.56 min Scan# 2871

Delta R.T. 0.00 min

Lab File: BG016210.D

Acq: 31 Mar 2015 21:13

Instrument :

BNA_G

ClientSampled :

C0AC4

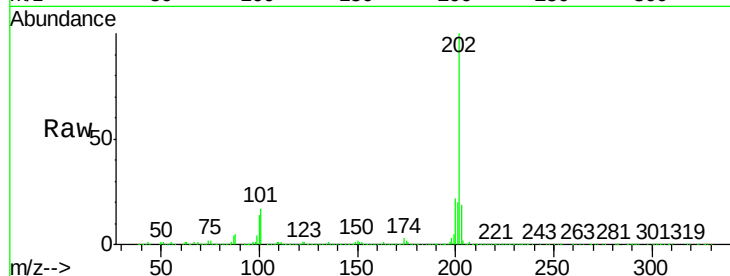
Tgt Ion:202 Resp: 553244

Ion Ratio Lower Upper

202 100

101 16.9 13.4 20.0

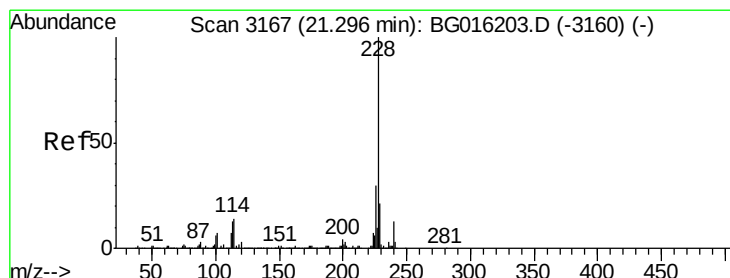
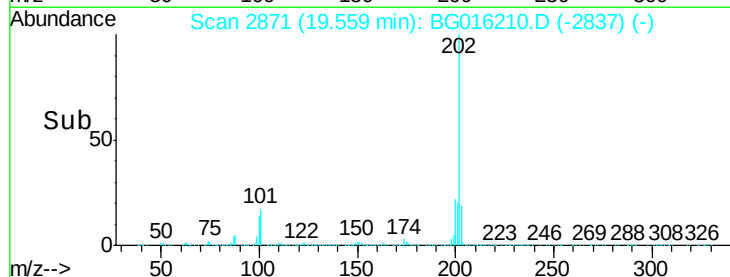
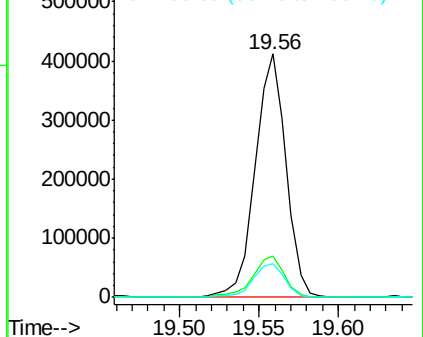
100 13.7 11.1 16.7



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: 14.38 ng/ul

RT: 21.30 min Scan# 3167

Delta R.T. 0.00 min

Lab File: BG016210.D

Acq: 31 Mar 2015 21:13

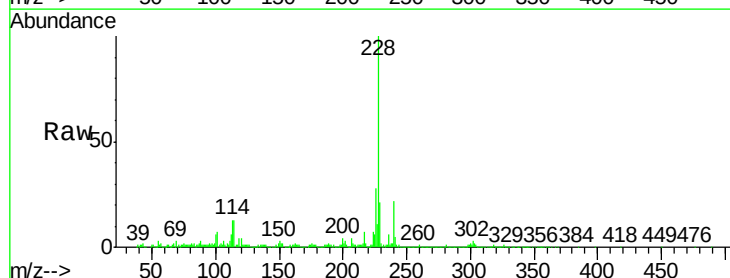
Tgt Ion:228 Resp: 295614

Ion Ratio Lower Upper

228 100

229 20.9 16.5 24.7

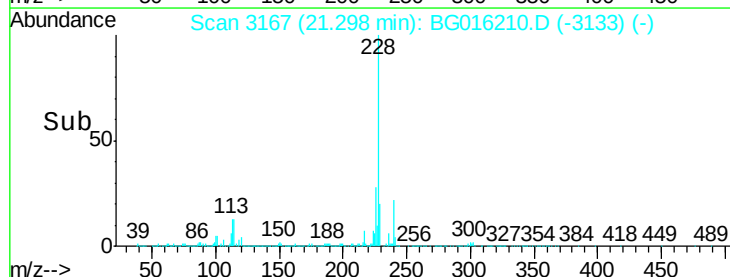
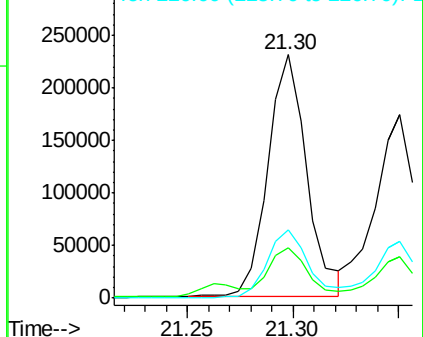
226 27.9 23.0 34.4

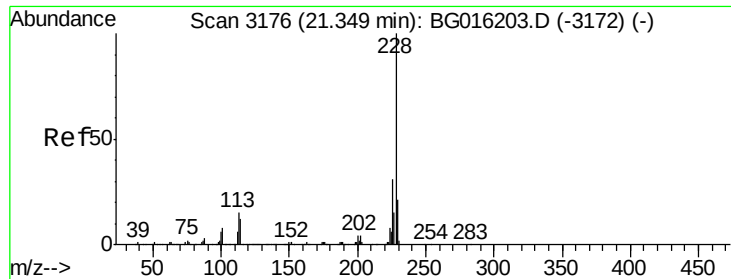


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 12.10 ng/ul

RT: 21.35 min Scan# 3176

Delta R.T. 0.00 min

Lab File: BG016210.D

Acq: 31 Mar 2015 21:13

Instrument :

BNA_G

ClientSampleId :

C0AC4

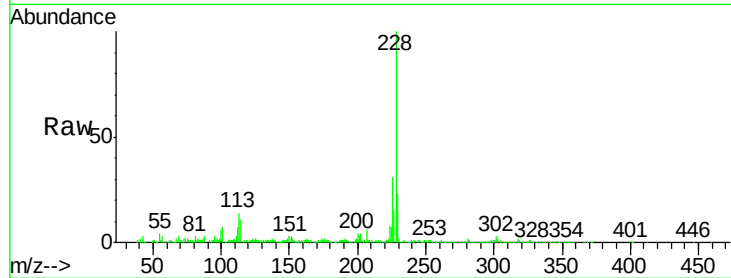
Tgt Ion:228 Resp: 231140

Ion Ratio Lower Upper

228 100

226 31.2 25.4 38.0

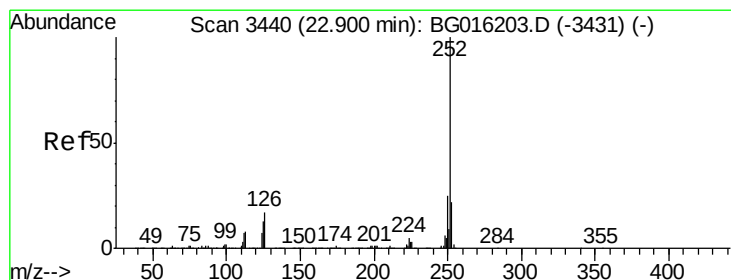
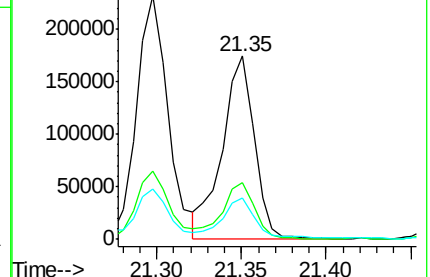
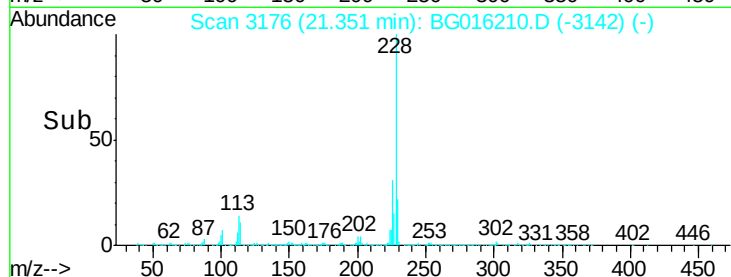
229 22.7 16.5 24.7



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

Benzo(b)fluoranthene

Concen: 13.56 ng/ul

RT: 22.91 min Scan# 3441

Delta R.T. 0.01 min

Lab File: BG016210.D

Acq: 31 Mar 2015 21:13

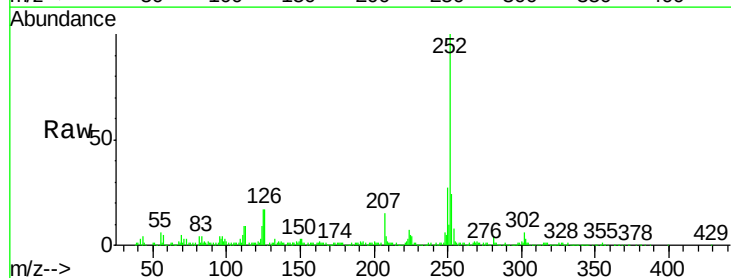
Tgt Ion:252 Resp: 287951

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

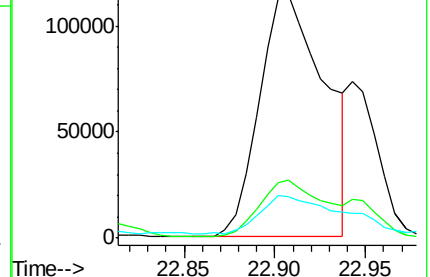
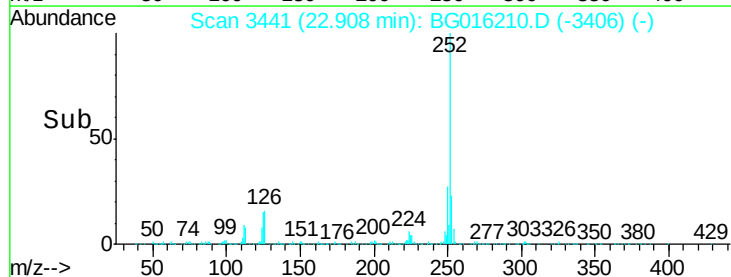
125 17.0 10.6 15.8#

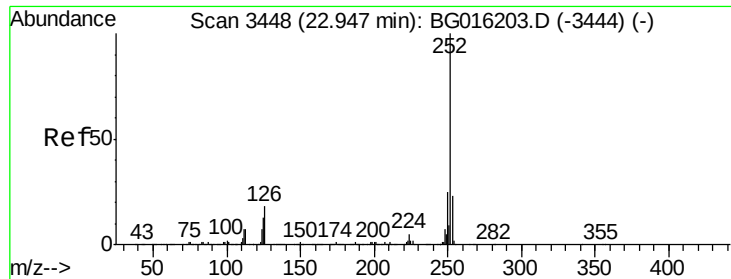


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 4.15 ng/ul m

RT: 22.94 min Scan# 3447

Delta R.T. -0.00 min

Lab File: BG016210.D

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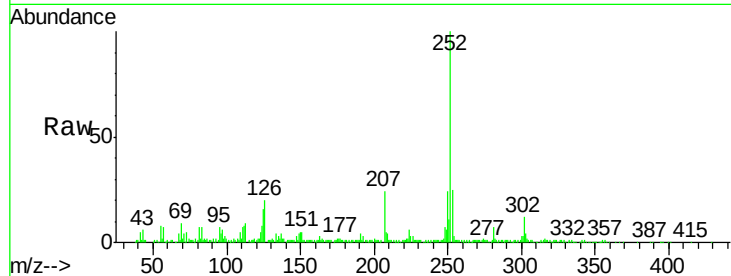
Tgt Ion:252 Resp: 84841

Ion Ratio Lower Upper

252 100

253 24.6 18.6 28.0

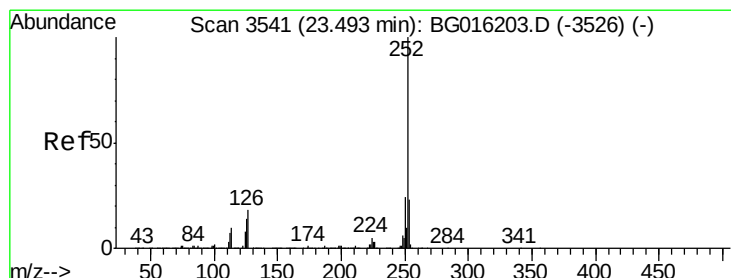
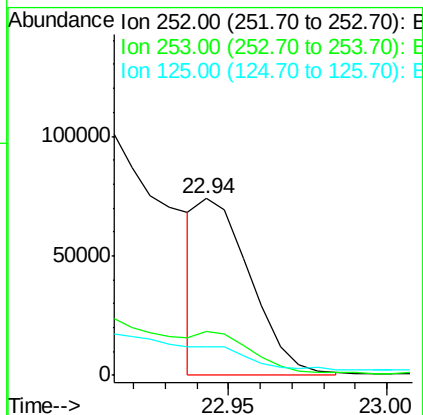
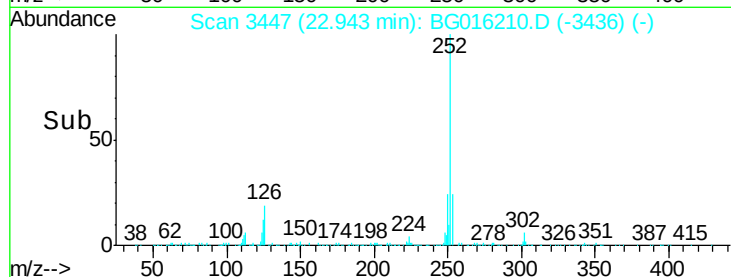
125 16.0 11.8 17.6



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



#88

Benzo(a)pyrene

Concen: 10.10 ng/ul

RT: 23.49 min Scan# 3540

Delta R.T. -0.00 min

Lab File: BG016210.D

Acq: 31 Mar 2015 21:13

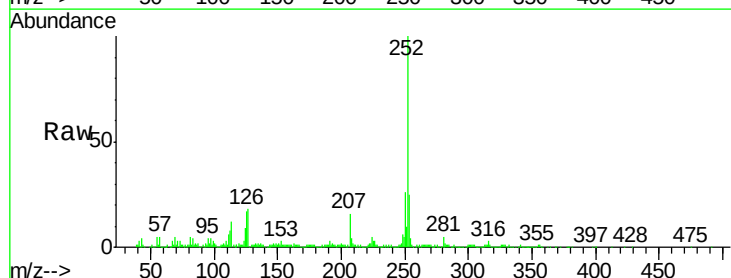
Tgt Ion:252 Resp: 204611

Ion Ratio Lower Upper

252 100

253 24.6 17.7 26.5

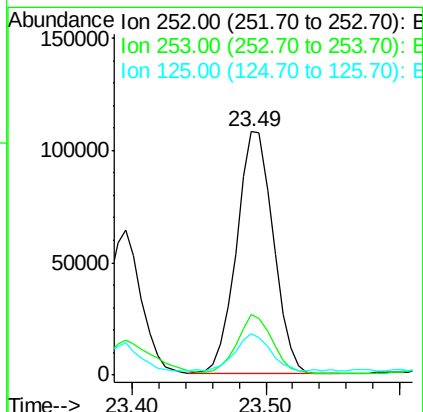
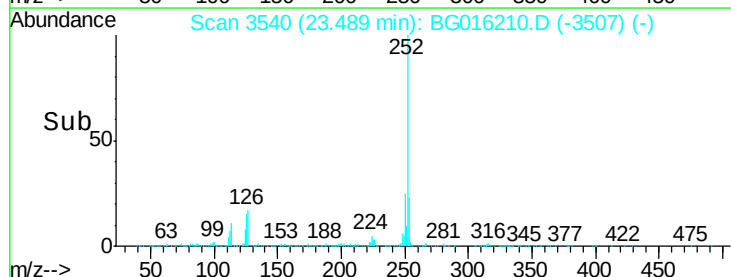
125 16.8 12.1 18.1

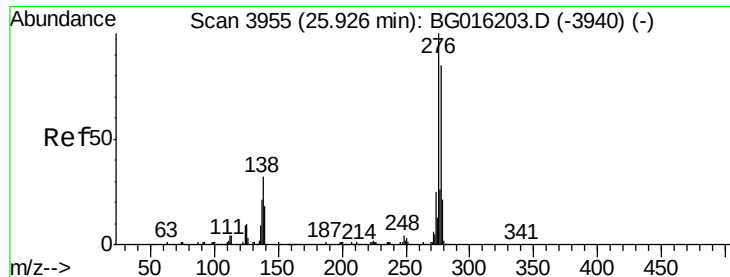


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Indeno(1,2,3-cd)pyrene

Concen: 4.77 ng/ul

RT: 25.92 min Scan# 3954

Delta R.T. -0.00 min

Lab File: BG016210.D

Acq: 31 Mar 2015 21:13

Instrument :

BNA_G

ClientSampleId :

C0AC4

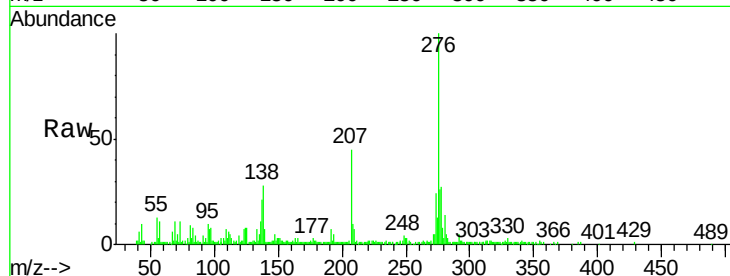
Tgt Ion:276 Resp: 112906

Ion Ratio Lower Upper

276 100

138 28.0 27.0 40.6

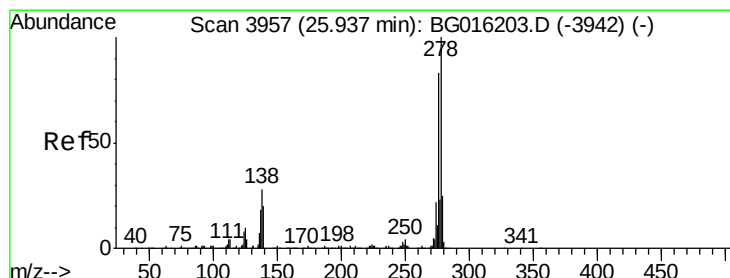
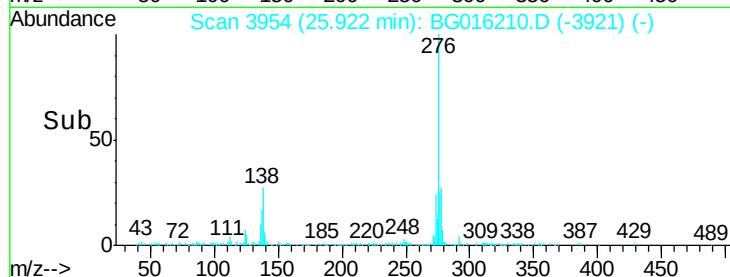
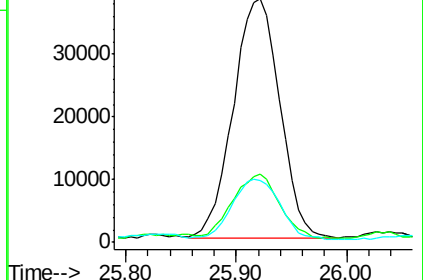
277 25.6 21.8 32.6



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



#90

Dibenzo(a,h)anthracene

Concen: 1.71 ng/ul

RT: 25.92 min Scan# 3954

Delta R.T. -0.02 min

Lab File: BG016210.D

Acq: 31 Mar 2015 21:13

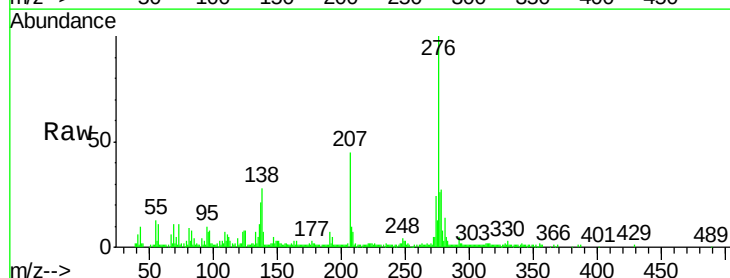
Tgt Ion:278 Resp: 33780

Ion Ratio Lower Upper

278 100

139 26.6 16.5 24.7#

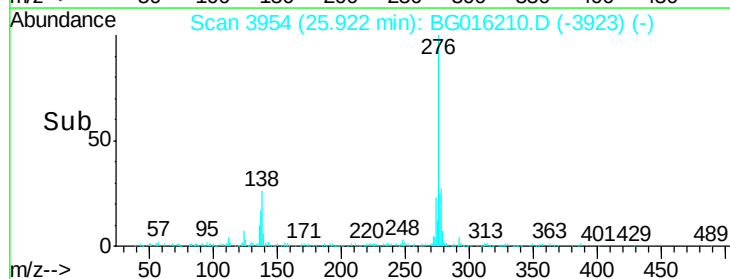
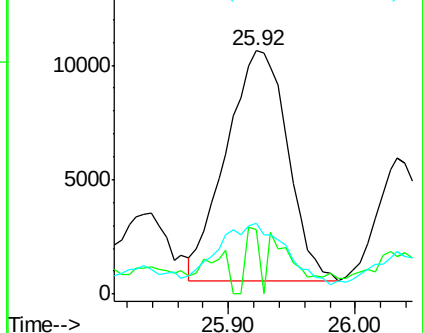
279 29.0 19.3 28.9#

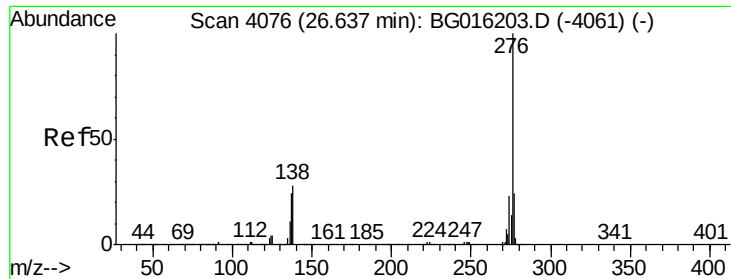


Abundance Ion 278.00 (277.70 to 278.70): E

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: 4.34 ng/ul

RT: 26.64 min Scan# 4076

Delta R.T. 0.00 min

Lab File: BG016210.D

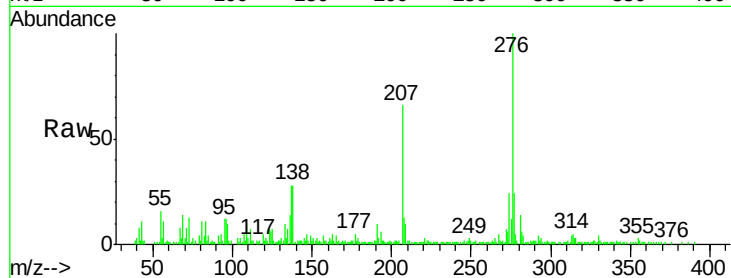
Acq: 31 Mar 2015 21:13

Instrument :

BNA_G

ClientSampleId :

C0AC4



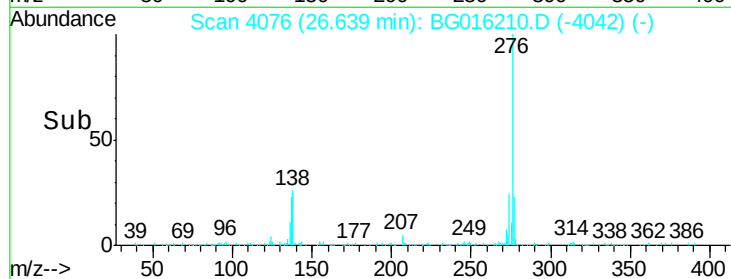
Tgt Ion: 276 Resp: 83983

Ion Ratio Lower Upper

276 100

138 27.8 21.0 31.6

277 24.4 19.2 28.8



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

