

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
 Data File : BG016211.D
 Acq On : 31 Mar 2015 21:47
 Operator : TP/IZ
 Sample : G1647-08 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AC7

Quant Time: Apr 01 09:03:01 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	68853	20.00	ng/ul	0.00
18) Naphthalene-d8	10.55	136	303161	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	173910	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	353160	20.00	ng/ul	0.00
75) Chrysene-d12	21.31	240	356165	20.00	ng/ul	0.00
83) Perylene-d12	23.59	264	351099	20.00	ng/ul	0.00

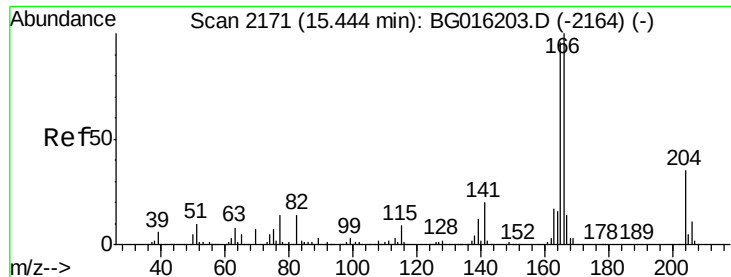
System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.94	99	38181	6.05	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	23291	6.38	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	29055	5.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	29553	6.01	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	16215	6.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.64	143	16061	5.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.18	165	25646	5.55	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	30887	4.97	ng/ul	0.00
43) Dimethylphthalate-d6	13.80	166	71130	6.19	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	97242	6.01	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	13797	4.76	ng/ul	0.00
57) Fluorene-d10	15.38	176	66583	5.92	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	7495	3.11	ng/ul	0.00
70) Anthracene-d10	17.24	188	96048	5.92	ng/ul	0.00
76) Pyrene-d10	19.53	212	98184	6.07	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.45	264	85013	5.37	ng/ul	0.00

Target Compounds

						Qvalue
58) Fluorene	15.44	166	16296	1.18	ng/ul	96
69) Phenanthrene	17.18	178	221468	11.05	ng/ul	98
71) Anthracene	17.27	178	76376	3.73	ng/ul	98
74) Fluoranthene	19.20	202	1057415	47.45	ng/ul	99
77) Pyrene	19.56	202	892469	40.37	ng/ul	99
80) Benzo(a)anthracene	21.30	228	474203	23.00	ng/ul	99
82) Chrysene	21.35	228	361961	18.90	ng/ul	97
85) Benzo(b)fluoranthene	22.91	252	512006	24.42	ng/ul	98
86) Benzo(k)fluoranthene	22.94	252	179035m	8.86	ng/ul	
88) Benzo(a)pyrene	23.49	252	393919	19.70	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	25.92	276	229192	9.81	ng/ul	92
90) Dibenzo(a,h)anthracene	25.93	278	60916m	3.13	ng/ul	
91) Benzo(g,h,i)perylene	26.64	276	161798	8.47	ng/ul	98

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



#58

Fluorene

Concen: 1.18 ng/ul

RT: 15.44 min Scan# 2171

Delta R.T. -0.00 min

Lab File: BG016211.D

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Instrument :

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ClientSampleId :

C0AC7

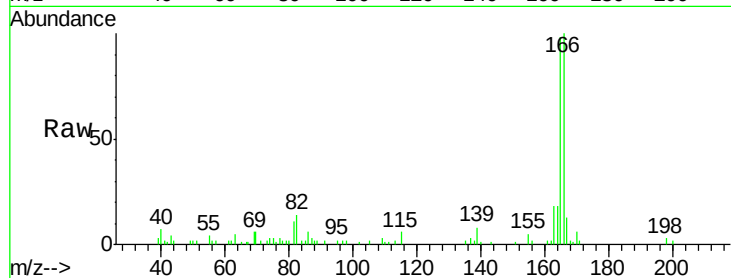
Tgt Ion:166 Resp: 16296

Ion Ratio Lower Upper

166 100

165 98.3 75.6 113.4

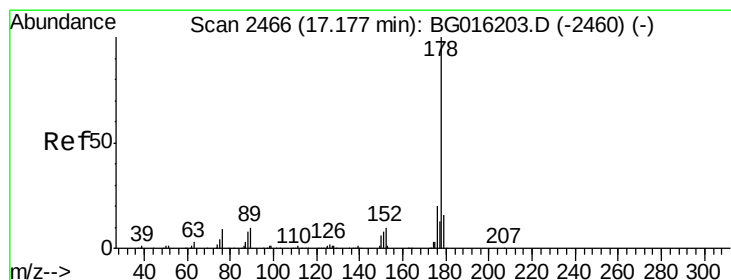
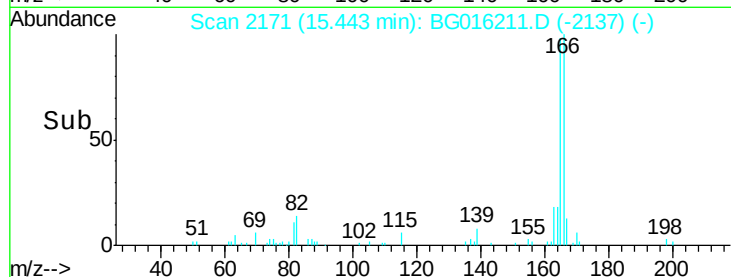
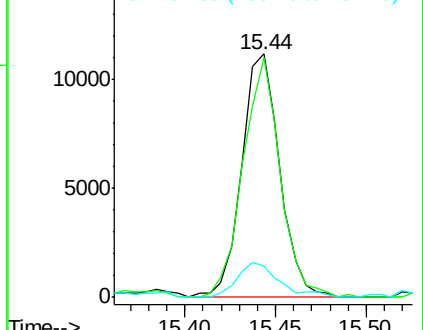
167 12.6 10.7 16.1



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: 11.05 ng/ul

RT: 17.18 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BG016211.D

Acq: 31 Mar 2015 21:47

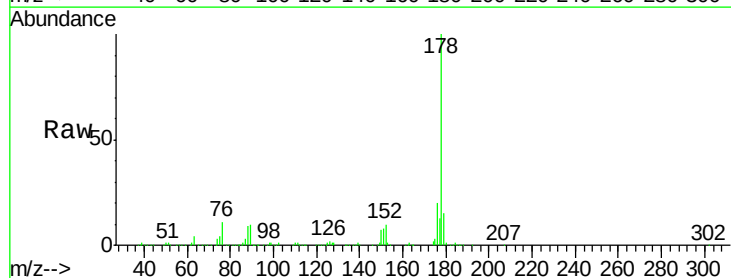
Tgt Ion:178 Resp: 221468

Ion Ratio Lower Upper

178 100

179 14.8 12.6 19.0

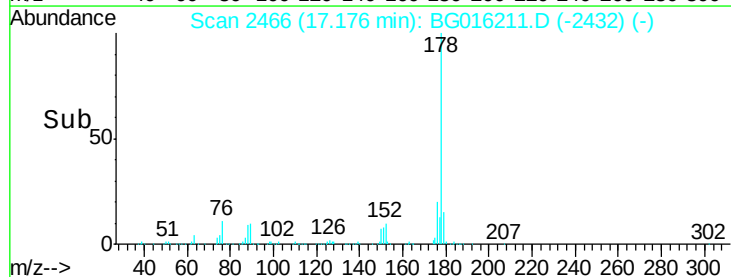
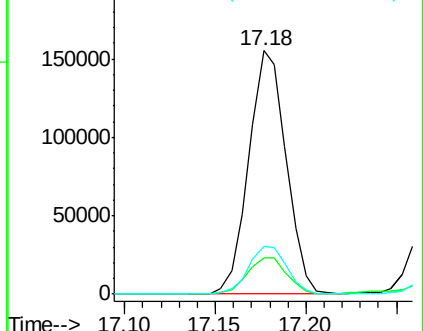
176 19.7 16.6 24.8

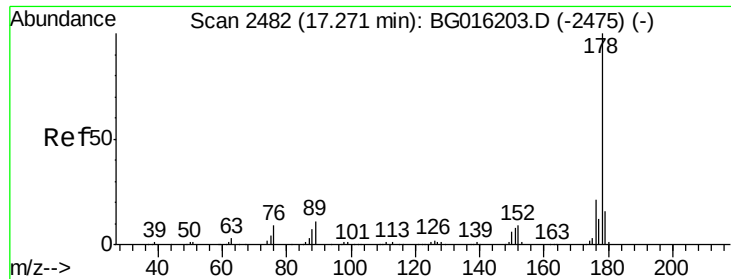


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

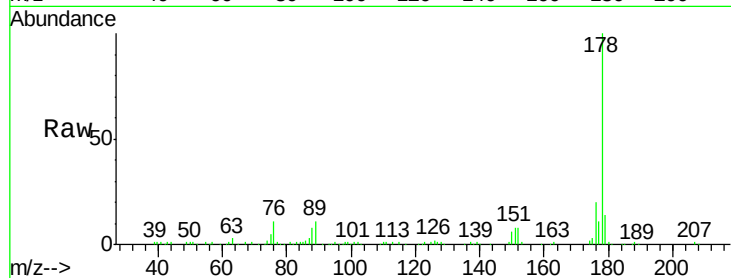




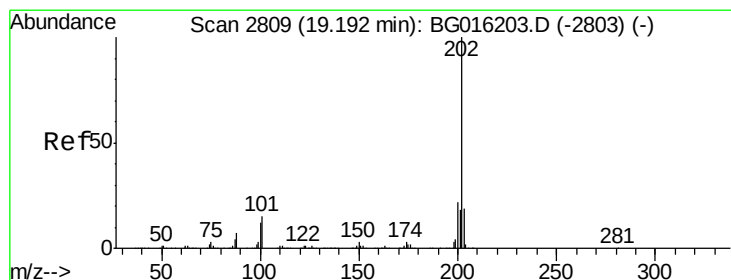
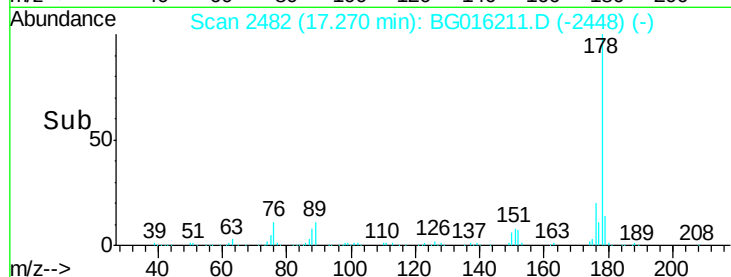
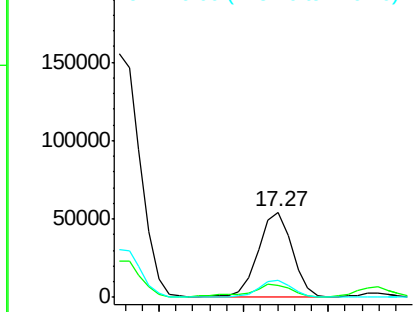
#71
 Anthracene
 Concen: 3.73 ng/ul
 RT: 17.27 min Scan# 2482
 Delta R.T. -0.00 min
 Lab File: BG016211.D
 Acq: 31 Mar 2015 21:47

Instrument :
 BNA_G
 ClientSampleId :
 C0AC7

Tgt Ion:178 Resp: 76376
 Ion Ratio Lower Upper
 178 100
 179 14.2 13.0 19.4
 176 19.7 15.9 23.9

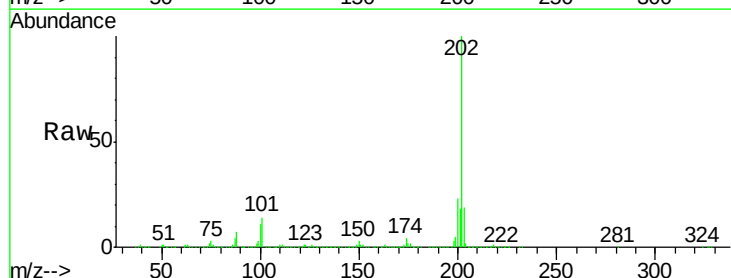


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

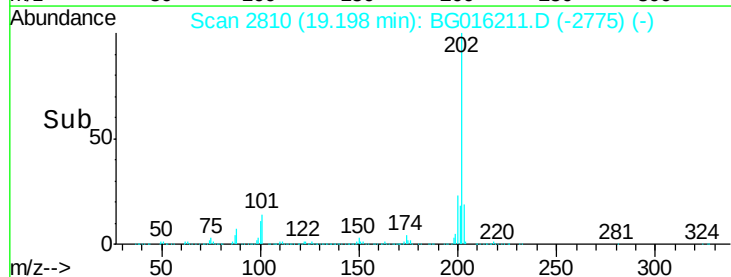
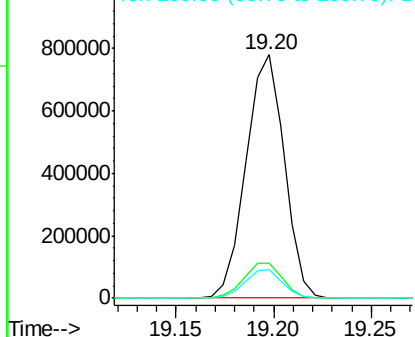


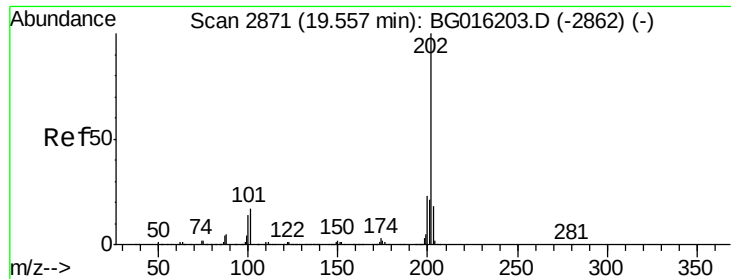
#74
 Fluoranthene
 Concen: 47.45 ng/ul
 RT: 19.20 min Scan# 2810
 Delta R.T. 0.01 min
 Lab File: BG016211.D
 Acq: 31 Mar 2015 21:47

Tgt Ion:202 Resp: 1057415
 Ion Ratio Lower Upper
 202 100
 101 14.4 11.8 17.8
 100 11.5 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

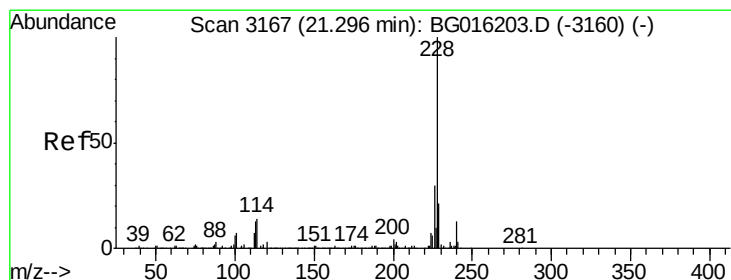
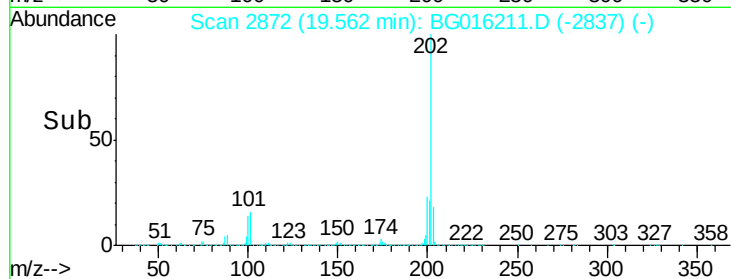
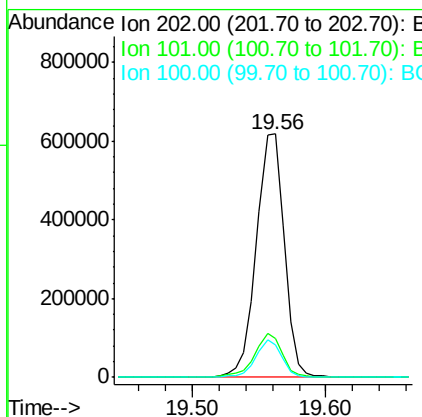
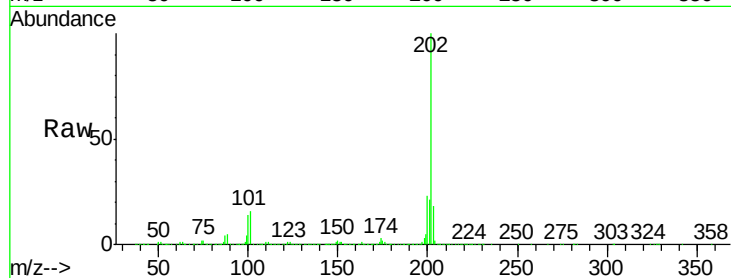




#77
Pyrene
 Concen: 40.37 ng/ul
 RT: 19.56 min Scan# 2872
 Delta R.T. 0.01 min
 Lab File: BG016211.D
 Acq: 31 Mar 2015 21:47

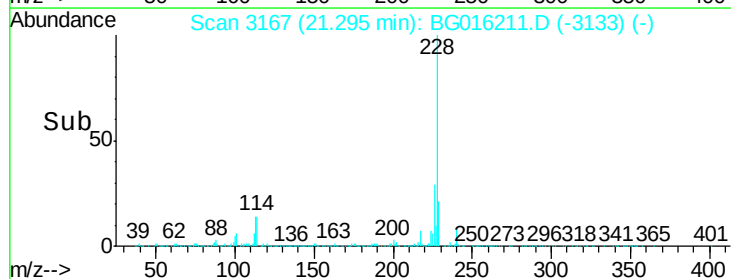
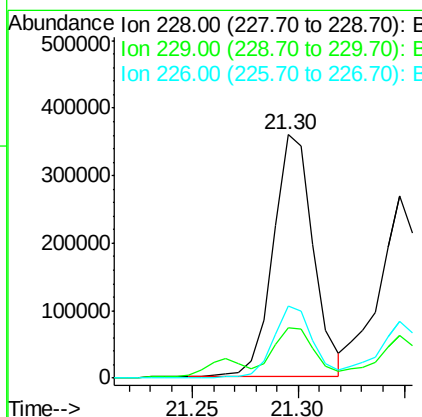
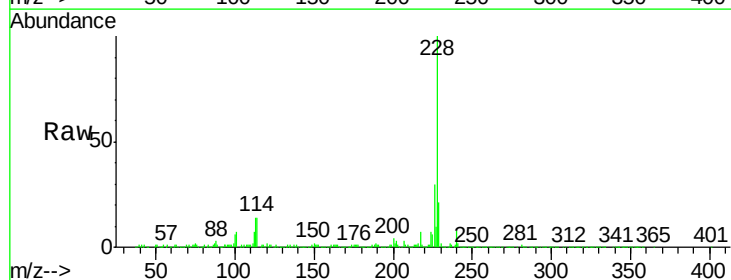
Instrument :
 BNA_G
 ClientSampleId :
 C0AC7

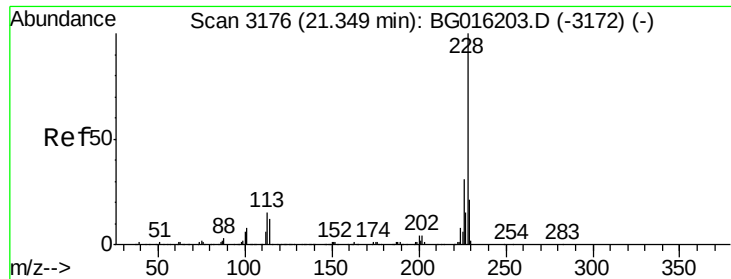
Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.0	13.4	20.0
100	13.6	11.1	16.7



#80
Benzo(a)anthracene
 Concen: 23.00 ng/ul
 RT: 21.30 min Scan# 3167
 Delta R.T. -0.00 min
 Lab File: BG016211.D
 Acq: 31 Mar 2015 21:47

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	16.5	24.7
226	29.7	23.0	34.4





#82

Chrysene

Concen: 18.90 ng/ul

RT: 21.35 min Scan# 3176

Delta R.T. -0.00 min

Lab File: BG016211.D

Acq: 31 Mar 2015 21:47

Instrument :

BNA_G

ClientSampleId :

C0AC7

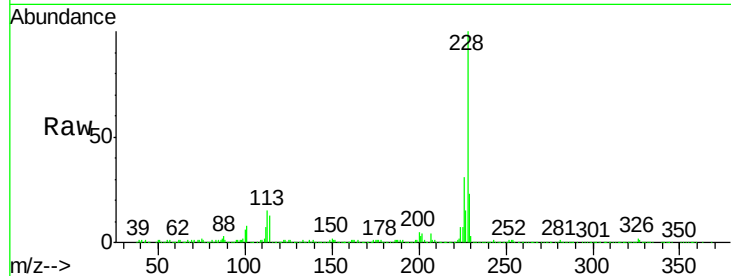
Tgt Ion:228 Resp: 361961

Ion Ratio Lower Upper

228 100

226 30.8 25.4 38.0

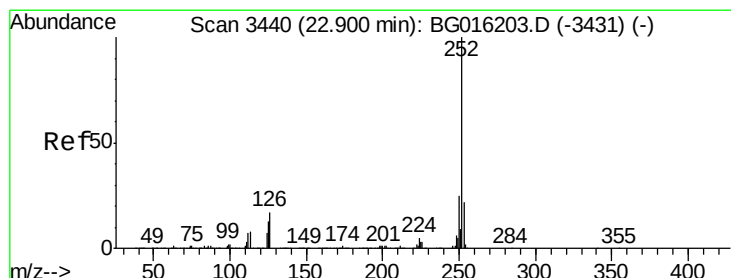
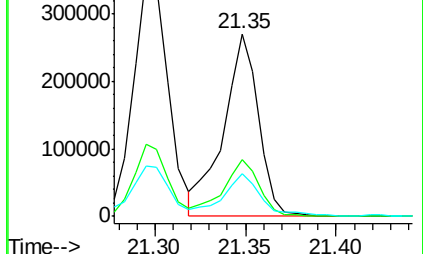
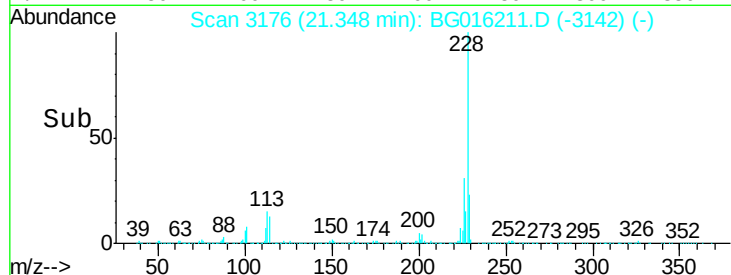
229 23.3 16.5 24.7



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: 24.42 ng/ul

RT: 22.91 min Scan# 3441

Delta R.T. 0.01 min

Lab File: BG016211.D

Acq: 31 Mar 2015 21:47

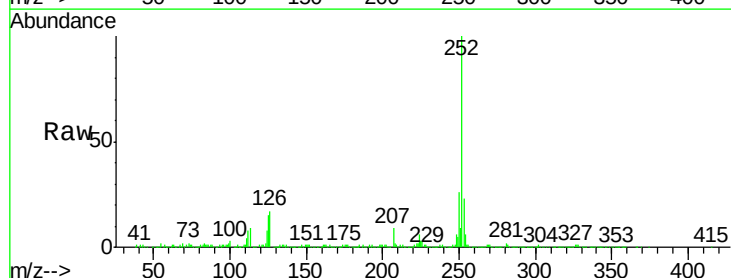
Tgt Ion:252 Resp: 512006

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

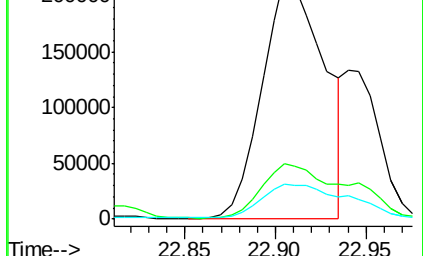
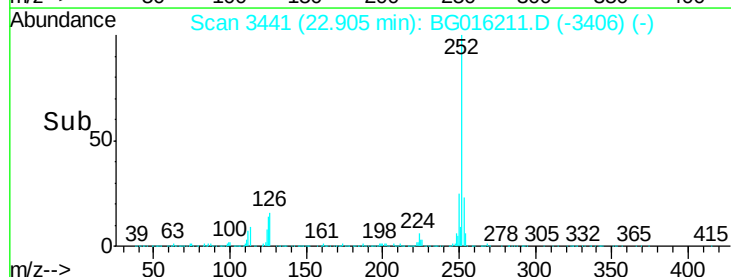
125 14.5 10.6 15.8

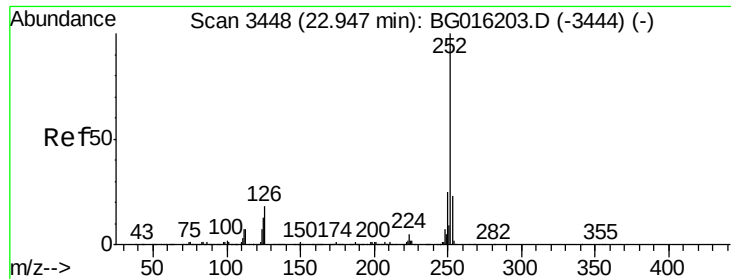


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

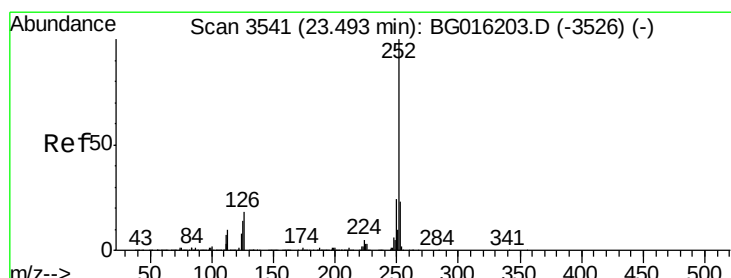
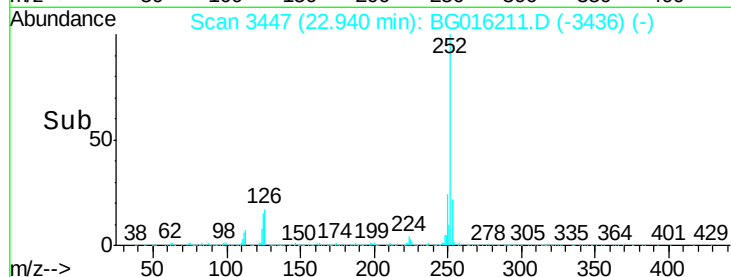
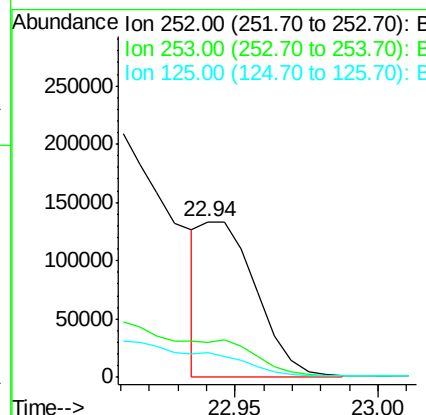
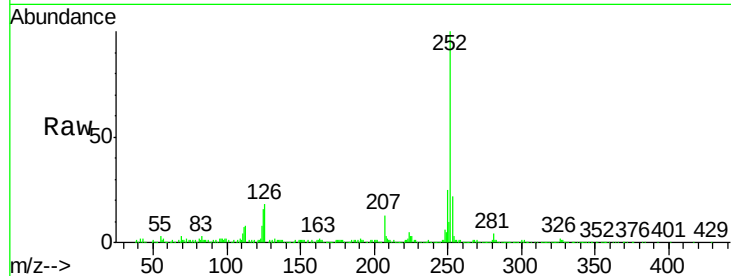




#86
Benzo(k)fluoranthene
Concen: 8.86 ng/ul m
RT: 22.94 min Scan# 3447
Delta R.T. -0.01 min
Lab File: BG016211.D
Acq: 31 Mar 2015 21:47

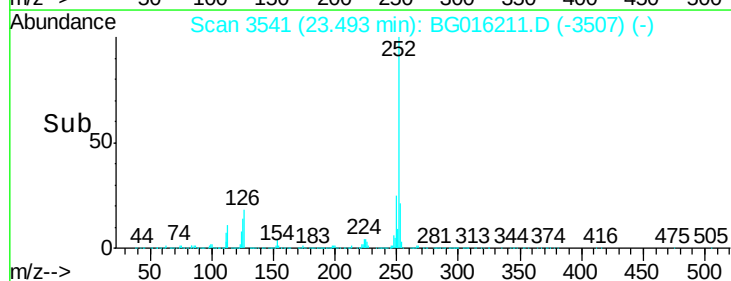
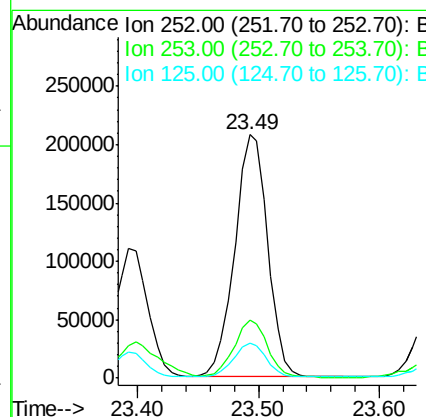
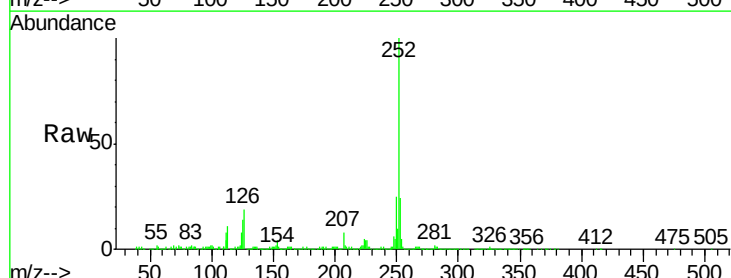
Instrument :
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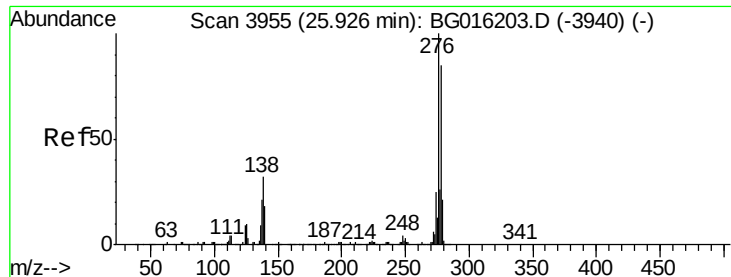
Tgt Ion: 252 Resp: 179035
Ion Ratio Lower Upper
252 100
253 22.5 18.6 28.0
125 15.5 11.8 17.6



#88
Benzo(a)pyrene
Concen: 19.70 ng/ul
RT: 23.49 min Scan# 3541
Delta R.T. -0.00 min
Lab File: BG016211.D
Acq: 31 Mar 2015 21:47

Tgt Ion: 252 Resp: 393919
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 14.3 12.1 18.1





#89

Indeno(1,2,3-cd)pyrene

Concen: 9.81 ng/ul

RT: 25.92 min Scan# 3954

Delta R.T. -0.01 min

Lab File: BG016211.D

Acq: 31 Mar 2015 21:47

Instrument :

BNA_G

ClientSampleId :

C0AC7

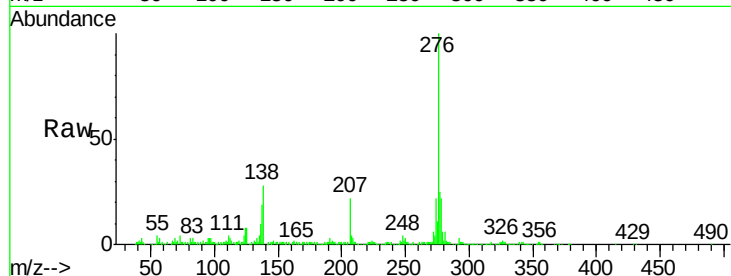
Tgt Ion:276 Resp: 229192

Ion Ratio Lower Upper

276 100

138 27.7 27.0 40.6

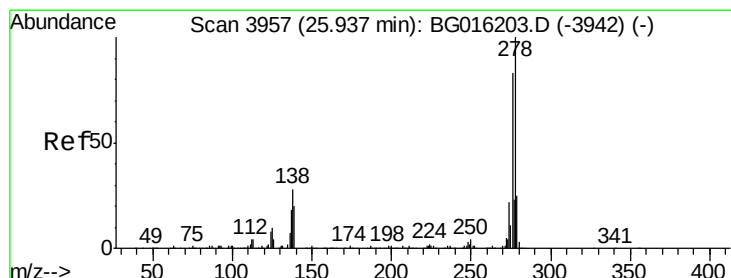
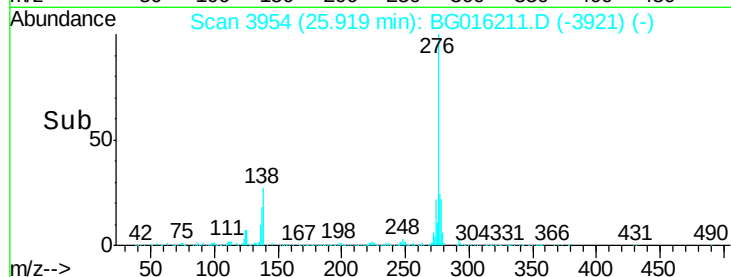
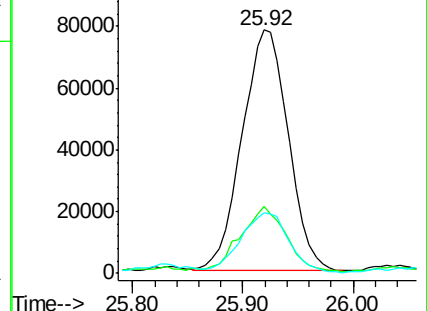
277 24.7 21.8 32.6



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: 3.13 ng/ul m

RT: 25.93 min Scan# 3955

Delta R.T. -0.01 min

Lab File: BG016211.D

Acq: 31 Mar 2015 21:47

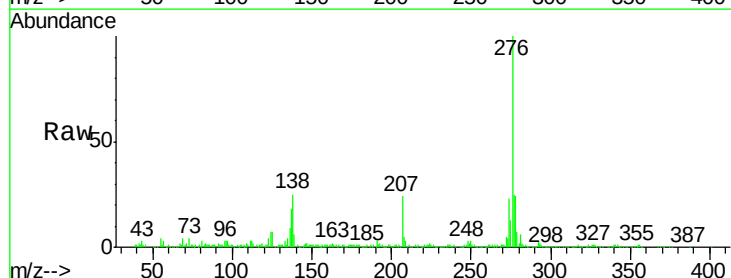
Tgt Ion:278 Resp: 60916

Ion Ratio Lower Upper

278 100

139 27.4 16.5 24.7#

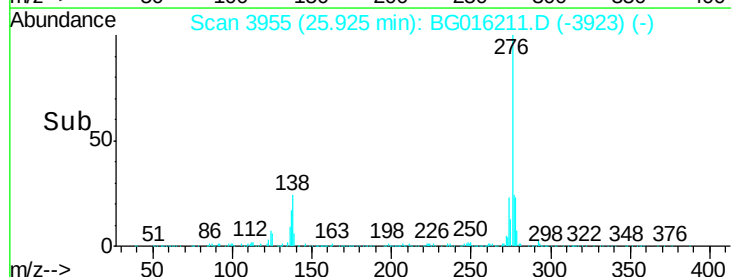
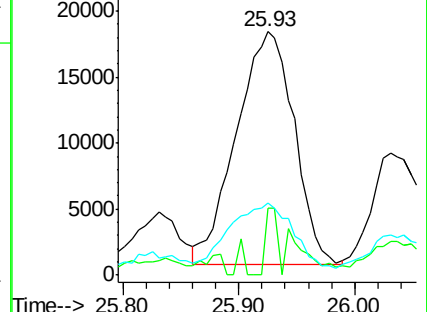
279 29.9 19.3 28.9#

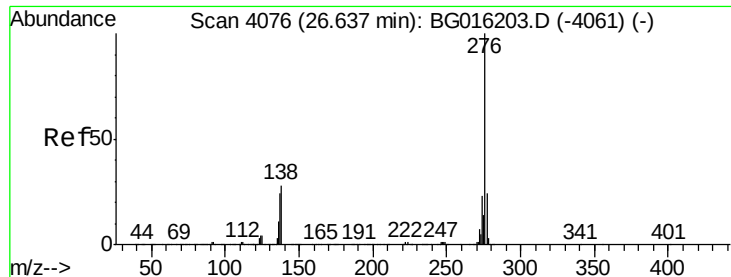


Abundance Ion 278.00 (277.70 to 278.70): E

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: 8.47 ng/ul

RT: 26.64 min Scan# 4076

Delta R.T. -0.00 min

Lab File: BG016211.D

Acq: 31 Mar 2015 21:47

Instrument :

BNA_G

ClientSampleId :

C0AC7

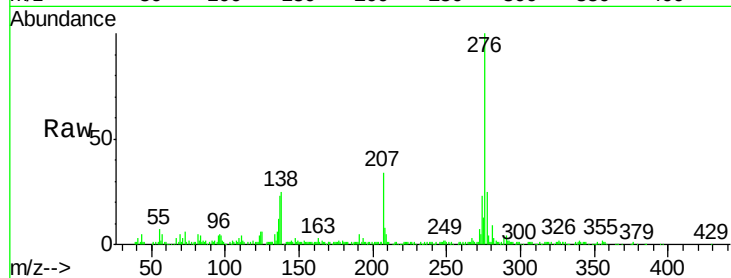
Tgt Ion: 276 Resp: 161798

Ion Ratio Lower Upper

276 100

138 25.1 21.0 31.6

277 25.2 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

