

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
 Data File : BG021410.D
 Acq On : 10 Mar 2016 16:15
 Operator : UM/SJ
 Sample : H1616-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P009-SS002-01

Quant Time: Mar 11 12:08:43 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 11 00:30:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	12948	20.00	ng/ul	0.01
18) Naphthalene-d8	10.93	136	66550	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.74	164	40184	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	88665	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	97056	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	93471	20.00	ng/ul	0.02

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.53	96	783	2.84	ng/uL	0.00
5) Phenol-d5	7.30	99	27859	19.01	ng/ul	0.04
7) Bis-(2-Chloroethyl)ether-d	7.44	67	18337	19.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.66	132	19655	19.64	ng/ul	0.01
13) 4-Methylphenol-d8	8.84	113	22011	18.58	ng/ul	0.02
19) Nitrobenzene-d5	9.29	128	11146	20.79	ng/ul	0.00
22) 2-Nitrophenol-d4	10.01	143	12072	20.50	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	21554	20.14	ng/ul	0.03
29) 4-Chloroaniline-d4	11.06	131	10713	7.63	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	72892	20.96	ng/ul	0.00
47) Acenaphthylene-d8	14.43	160	91156	21.51	ng/ul	0.00
52) 4-Nitrophenol-d4	14.95	143	57	0.09	ng/ul	0.04
58) Fluorene-d10	15.72	176	64472	21.10	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.84	200	10536	17.76	ng/ul	0.00
71) Anthracene-d10	17.57	188	95240	21.52	ng/ul	0.00
79) Pyrene-d10	19.85	212	105784	21.36	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	109574	21.92	ng/ul	0.02

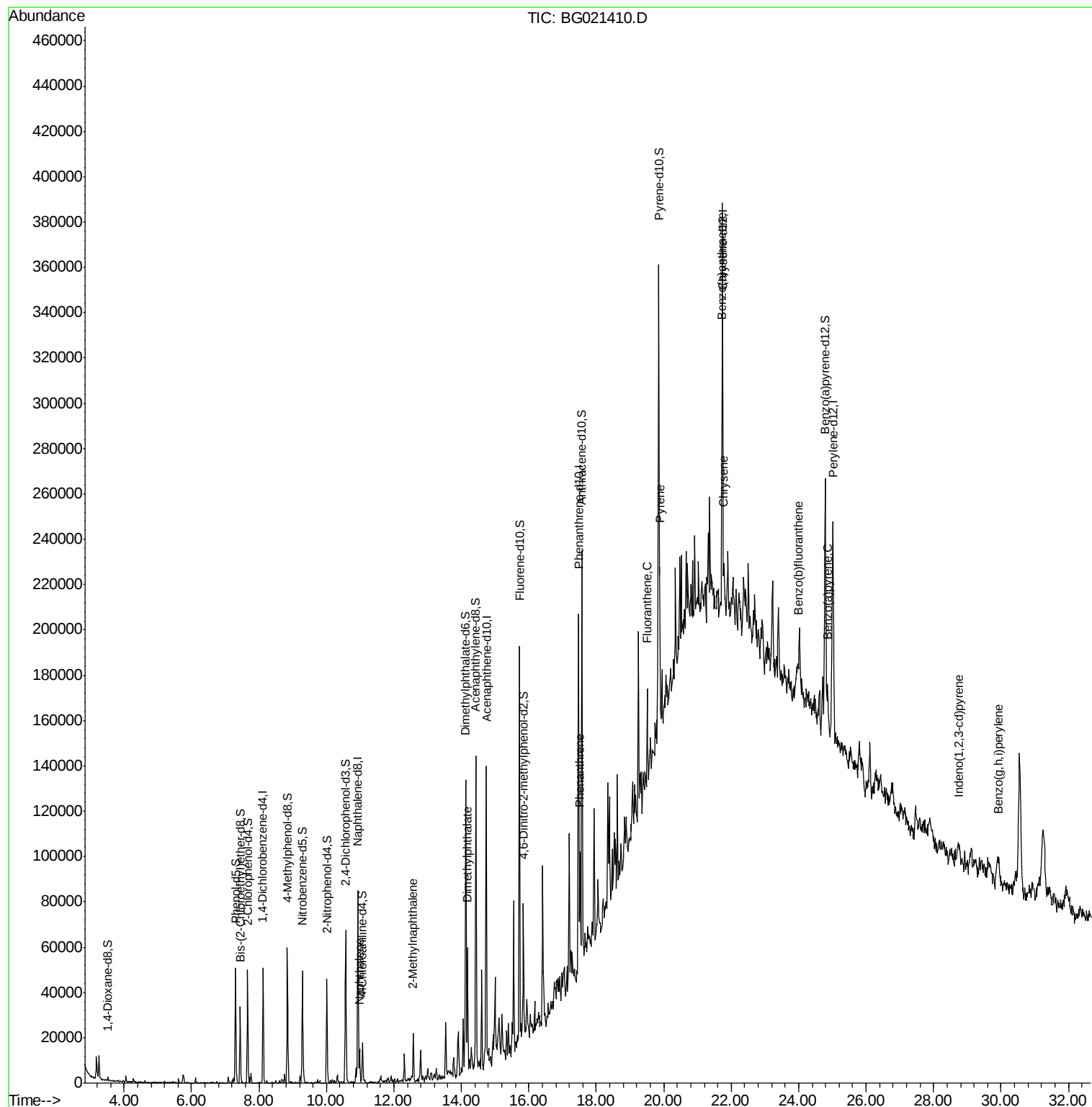
Target Compounds				Qvalue		
28) Naphthalene	10.98	128	10905	2.92	ng/ul#	97
34) 2-Methylnaphthalene	12.57	142	9452	3.41	ng/ul	88
45) Dimethylphthalate	14.18	163	27809	7.49	ng/ul#	96
70) Phenanthrene	17.52	178	25526	4.84	ng/ul	95
77) Fluoranthene	19.51	202	19017	3.12	ng/ul#	92
80) Pyrene	19.88	202	35241	5.43	ng/ul	96
83) Benzo(a)anthracene	21.72	228	16217	2.56	ng/ul#	79
85) Chrysene	21.79	228	18826	3.21	ng/ul#	85
88) Benzo(b)fluoranthene	23.97	252	18573	2.90	ng/ul#	81
91) Benzo(a)pyrene	24.86	252	17391	2.77	ng/ul#	87
92) Indeno(1,2,3-cd)pyrene	28.73	276	11755	1.70	ng/ul	97
94) Benzo(g,h,i)perylene	29.91	276	19526	3.43	ng/ul#	91

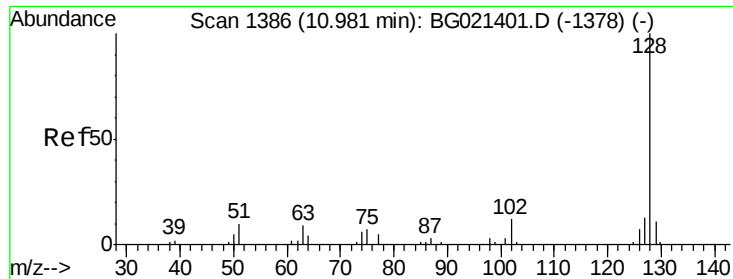
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 2.92 ng/ul

RT: 10.98 min Scan# 1386

Delta R.T. 0.00 min

Lab File: BG021410.D

Acq: 10 Mar 2016 16:15

Instrument :

BNA_G

ClientSampleId :

P009-SS002-01

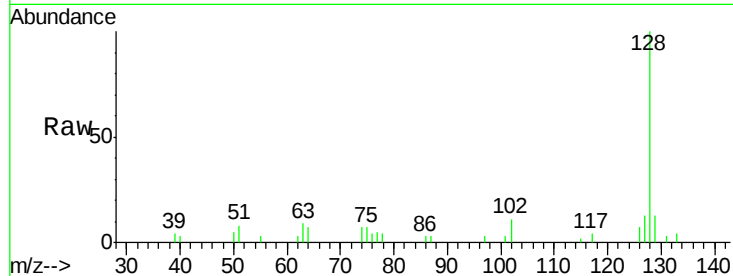
Tgt Ion:128 Resp: 10905

Ion Ratio Lower Upper

128 100

129 13.1 8.3 12.5#

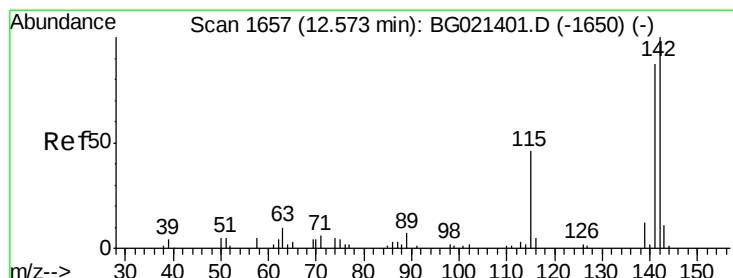
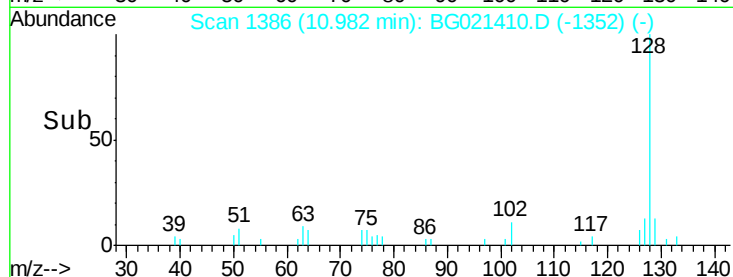
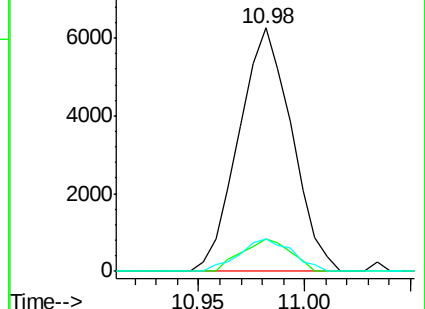
127 13.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 3.41 ng/ul

RT: 12.57 min Scan# 1657

Delta R.T. 0.00 min

Lab File: BG021410.D

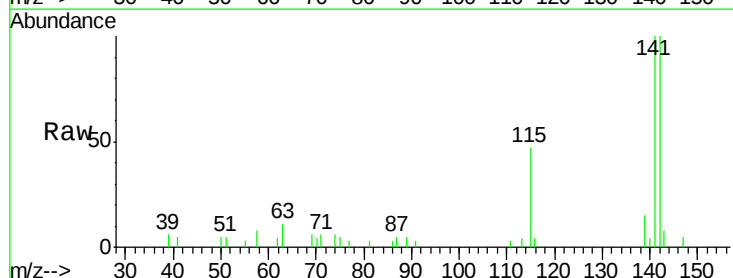
Acq: 10 Mar 2016 16:15

Tgt Ion:142 Resp: 9452

Ion Ratio Lower Upper

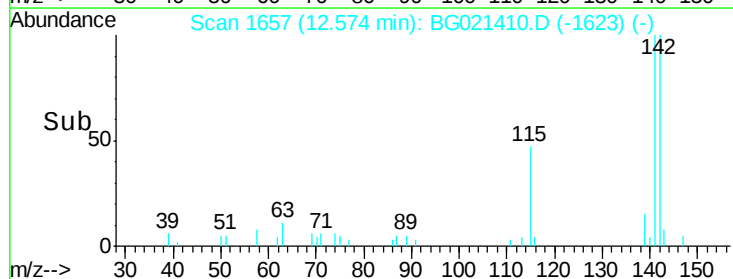
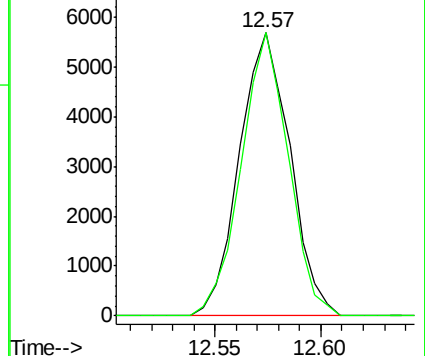
142 100

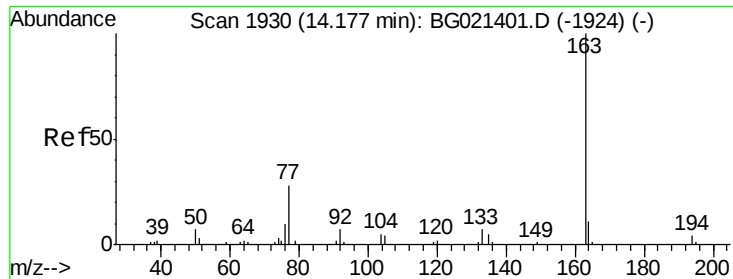
141 100.0 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

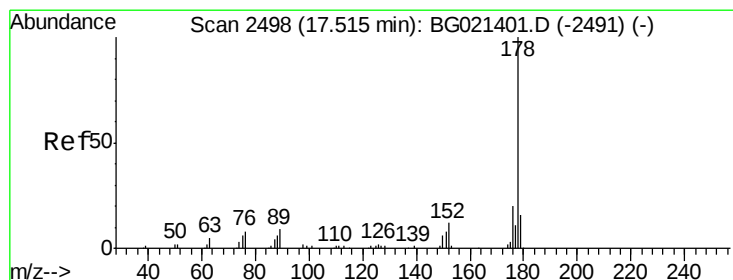
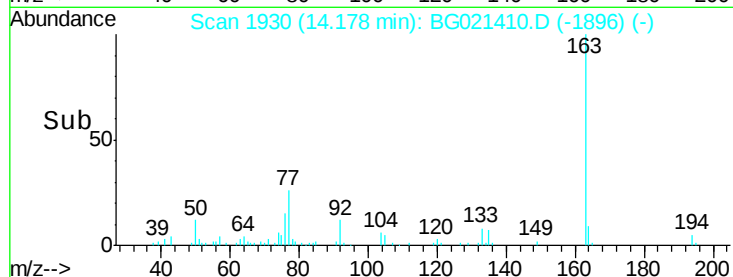
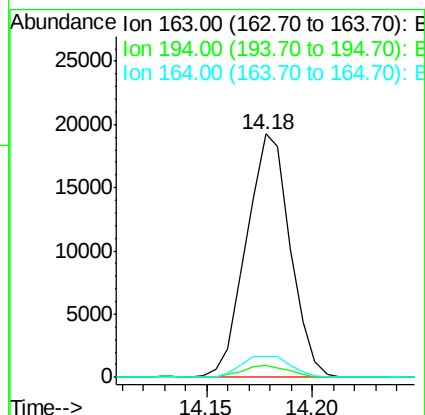
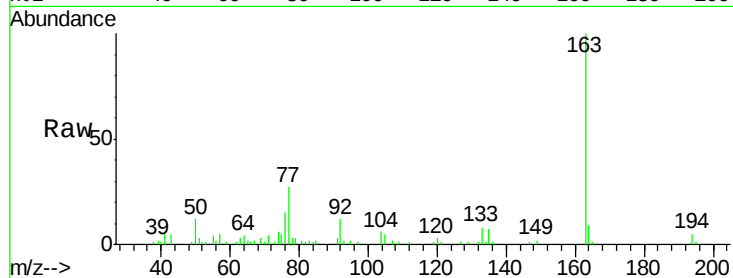




#45
Dimethylphthalate
Concen: 7.49 ng/ul
RT: 14.18 min Scan# 1930
Delta R.T. 0.00 min
Lab File: BG021410.D
Acq: 10 Mar 2016 16:15

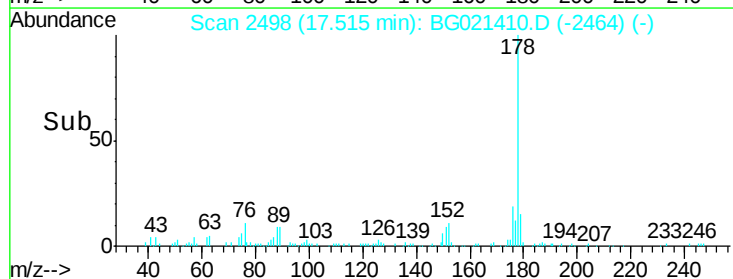
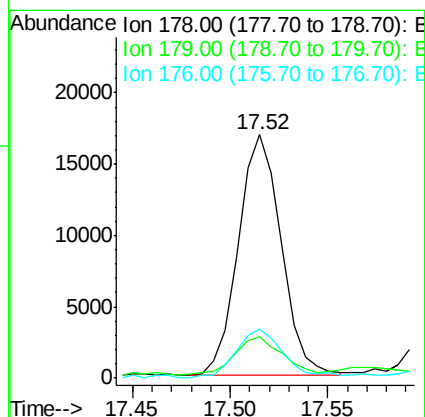
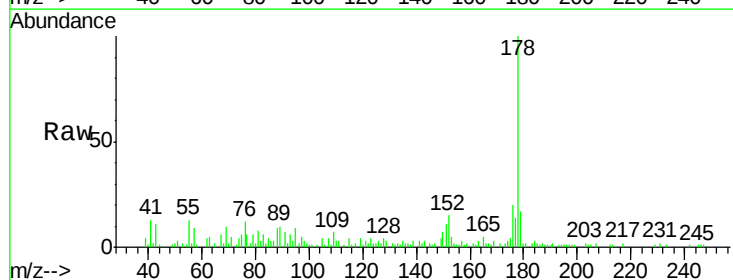
Instrument :
BNA_G
ClientSampleId :
P009-SS002-01

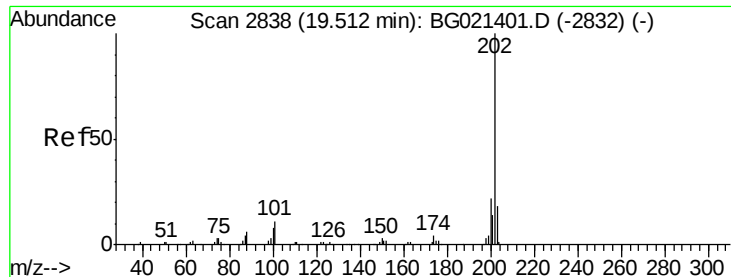
Tgt Ion:163 Resp: 27809
Ion Ratio Lower Upper
163 100
194 4.9 3.9 5.9
164 8.6 8.7 13.1#



#70
Phenanthrene
Concen: 4.84 ng/ul
RT: 17.52 min Scan# 2498
Delta R.T. 0.00 min
Lab File: BG021410.D
Acq: 10 Mar 2016 16:15

Tgt Ion:178 Resp: 25526
Ion Ratio Lower Upper
178 100
179 17.1 11.8 17.8
176 20.4 14.8 22.2

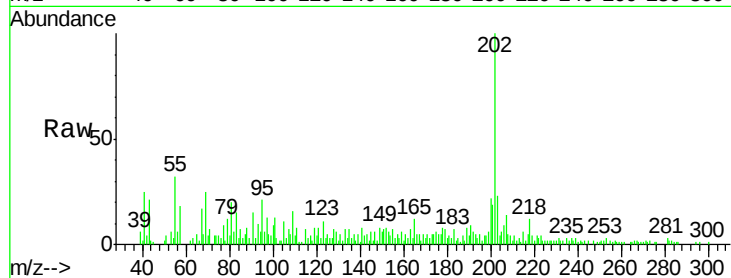




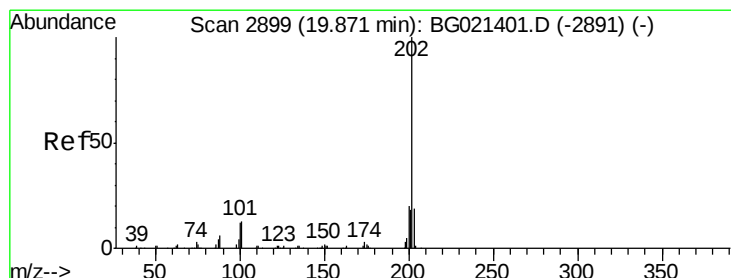
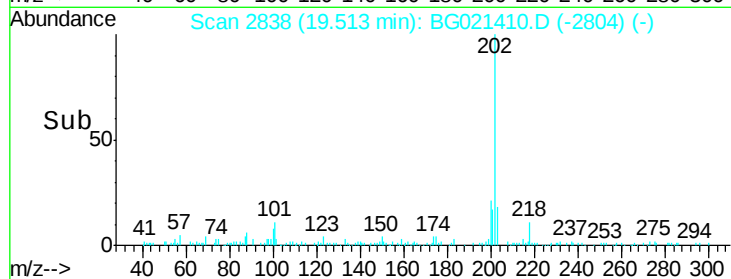
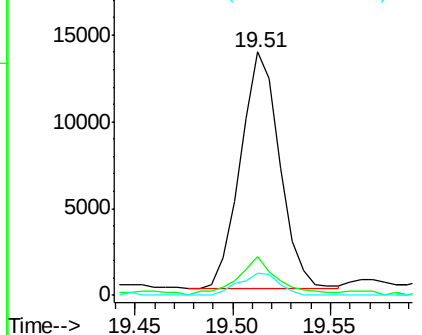
#77
 Fluoranthene
 Concen: 3.12 ng/ul
 RT: 19.51 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: BG021410.D
 Acq: 10 Mar 2016 16:15

Instrument :
 BNA_G
 ClientSampleId :
 P009-SS002-01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.1	8.9	13.3#
100	8.9	7.0	10.4

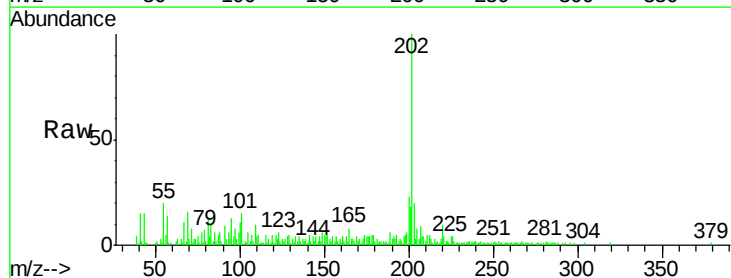


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

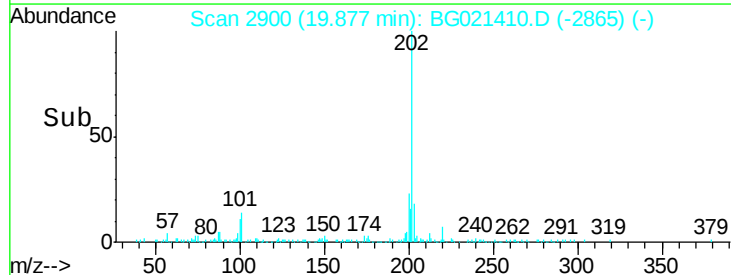
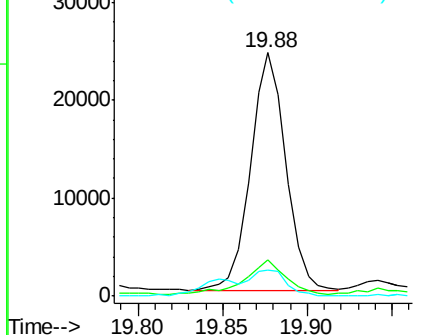


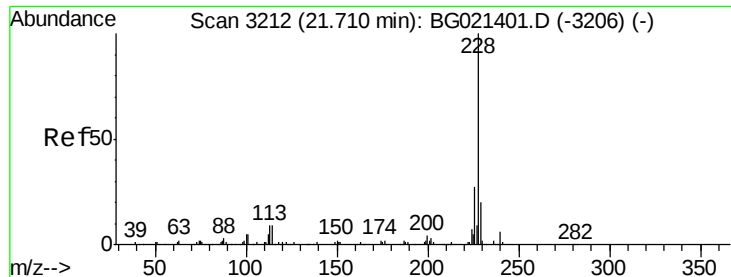
#80
 Pyrene
 Concen: 5.43 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. 0.01 min
 Lab File: BG021410.D
 Acq: 10 Mar 2016 16:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.7	9.8	14.8
100	10.7	9.3	13.9



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





#83

Benzo(a)anthracene

Concen: 2.56 ng/ul

RT: 21.72 min Scan# 3214

Delta R.T. 0.01 min

Lab File: BG021410.D

Acq: 10 Mar 2016 16:15

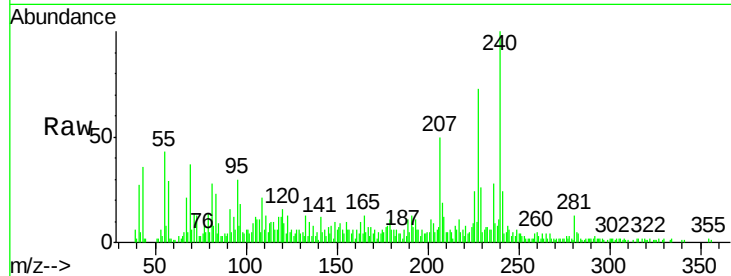
Instrument :

BNA_G

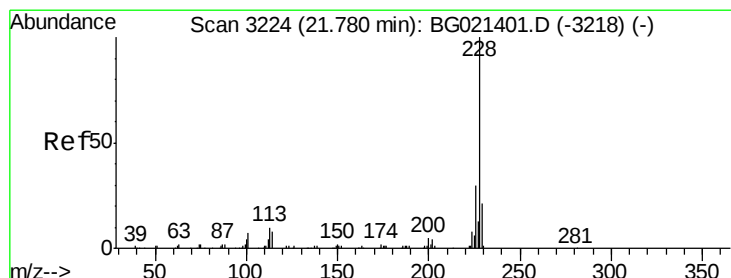
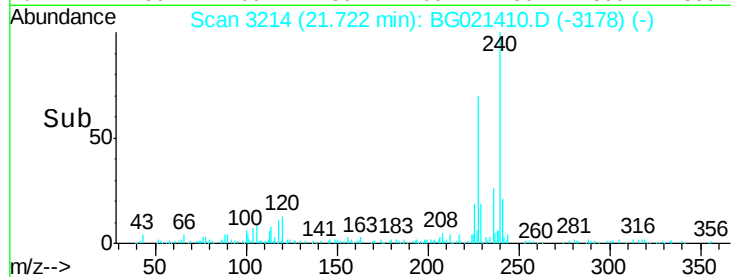
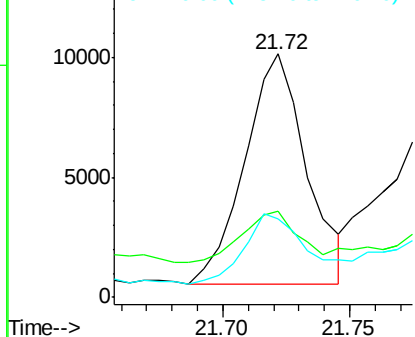
ClientSampleId :

P009-SS002-01

Tgt Ion:	228	Resp:	16217
Ion	Ratio	Lower	Upper
228	100		
229	35.6	16.6	25.0#
226	32.5	21.0	31.4#



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



#85

Chrysene

Concen: 3.21 ng/ul

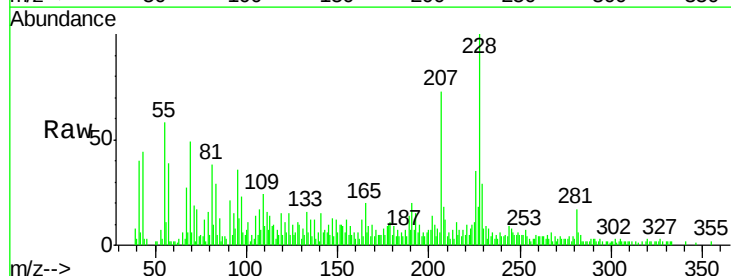
RT: 21.79 min Scan# 3225

Delta R.T. 0.01 min

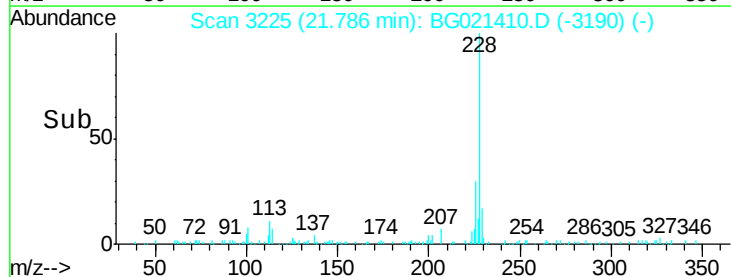
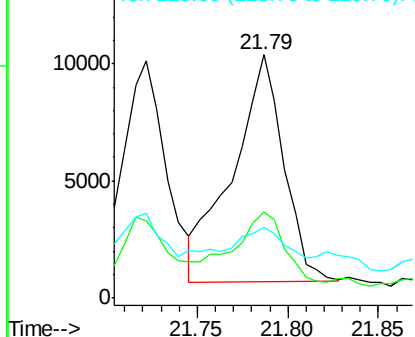
Lab File: BG021410.D

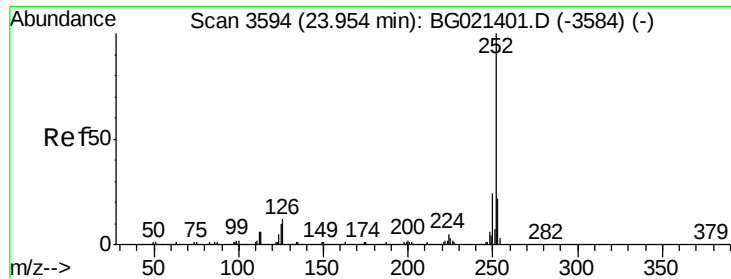
Acq: 10 Mar 2016 16:15

Tgt Ion:	228	Resp:	18826
Ion	Ratio	Lower	Upper
228	100		
226	35.4	23.4	35.2#
229	29.1	16.2	24.2#



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





#88

Benzo(b)fluoranthene

Concen: 2.90 ng/ul

RT: 23.97 min Scan# 3597

Delta R.T. 0.02 min

Lab File: BG021410.D

Acq: 10 Mar 2016 16:15

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ClientSampleId :

P009-SS002-01

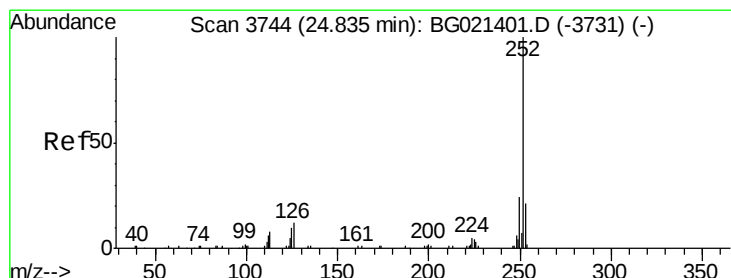
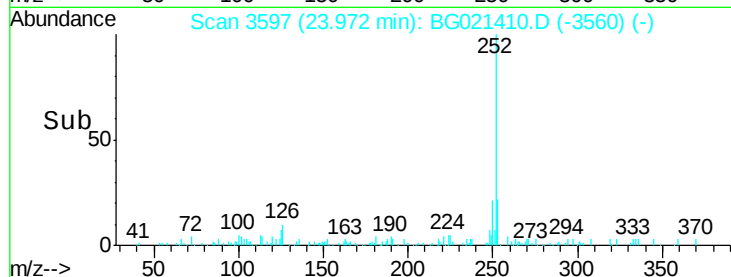
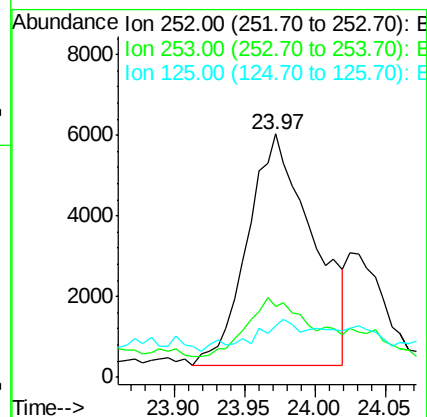
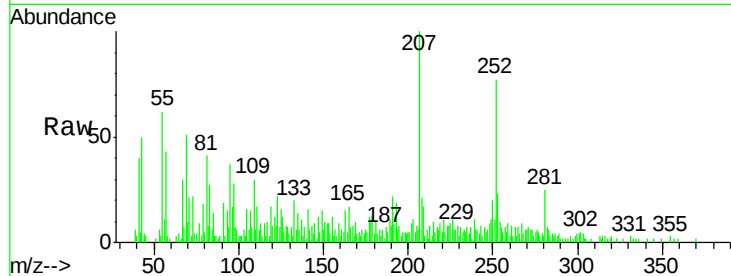
Tgt Ion:252 Resp: 18573

Ion Ratio Lower Upper

252 100

253 29.3 18.1 27.1#

125 21.3 7.6 11.4#



#91

Benzo(a)pyrene

Concen: 2.77 ng/ul

RT: 24.86 min Scan# 3748

Delta R.T. 0.02 min

Lab File: BG021410.D

Acq: 10 Mar 2016 16:15

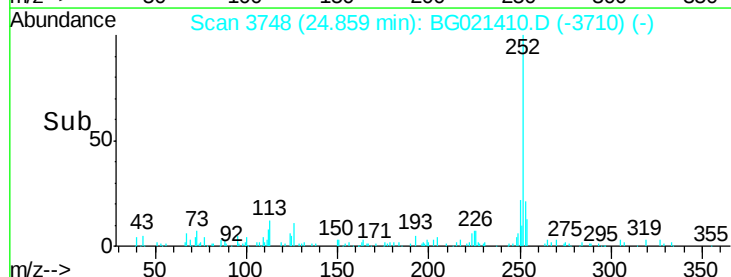
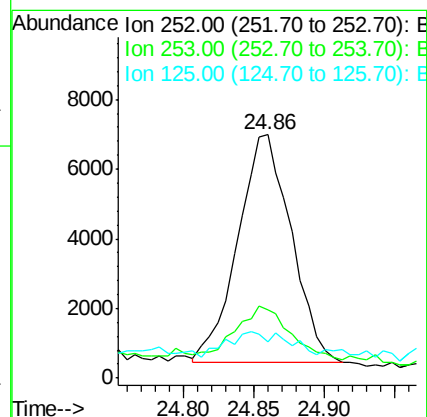
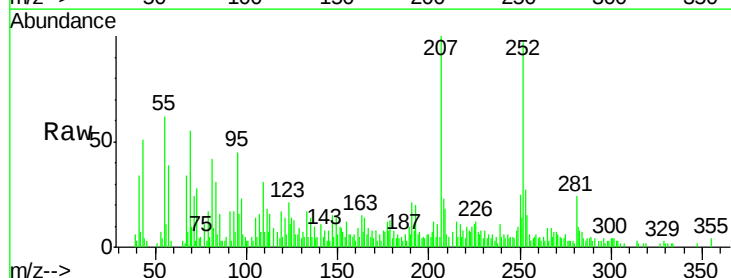
Tgt Ion:252 Resp: 17391

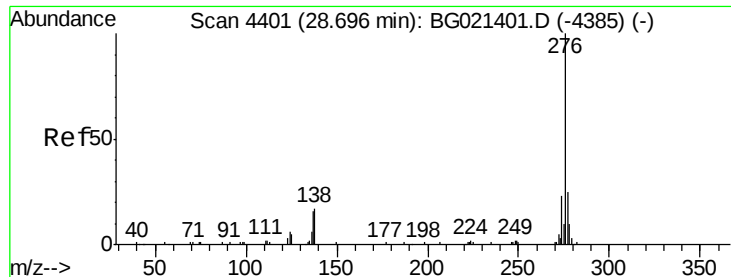
Ion Ratio Lower Upper

252 100

253 27.9 17.4 26.0#

125 14.8 8.2 12.2#





#92

Indeno(1,2,3-cd)pyrene

Concen: 1.70 ng/ul

RT: 28.73 min Scan# 4407

Delta R.T. 0.04 min

Lab File: BG021410.D

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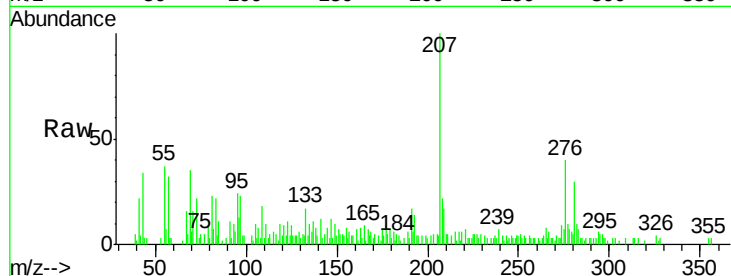
Tgt Ion:276 Resp: 11755

Ion Ratio Lower Upper

276 100

138 19.9 15.8 23.6

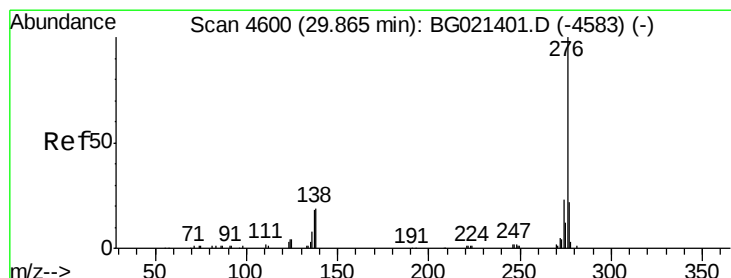
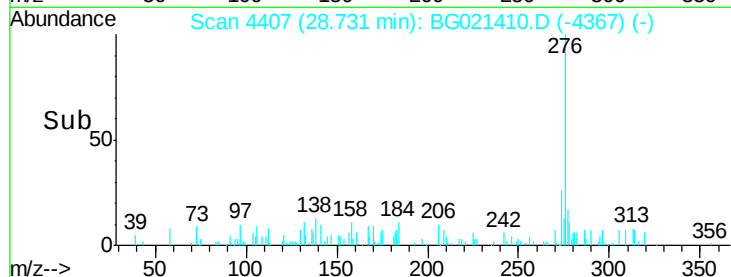
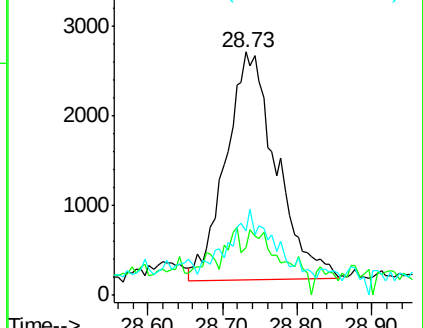
277 26.4 19.0 28.6



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



#94

Benzo(g,h,i)perylene

Concen: 3.43 ng/ul

RT: 29.91 min Scan# 4608

Delta R.T. 0.05 min

Lab File: BG021410.D

Acq: 10 Mar 2016 16:15

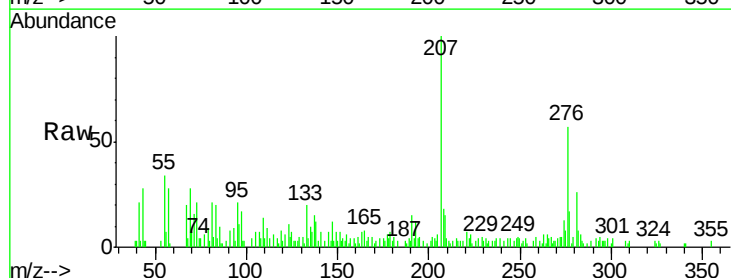
Tgt Ion:276 Resp: 19526

Ion Ratio Lower Upper

276 100

138 21.2 13.9 20.9#

277 29.5 19.8 29.6



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

