

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020916\
 Data File : BG020821.D
 Acq On : 9 Feb 2016 17:27
 Operator : SJ/UM
 Sample : H1371-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C04L1

Manual Integrations
 APPROVED

Sohil
 2/10/2016 1:46:50 PM

Quant Time: Feb 10 07:52:24 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG020816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 10 00:34:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	26217	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	122525	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.89	164	62717	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.62	188	117579	20.00	ng/ul	0.00
78) Chrysene-d12	21.91	240	112930	20.00	ng/ul	0.00
86) Perylene-d12	25.31	264	107358	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.61	96	815	1.51	ng/uL	0.00
5) Phenol-d5	7.40	99	23034	8.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.58	67	14290	10.08	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	19874	9.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.96	113	19071	8.26	ng/ul	0.00
19) Nitrobenzene-d5	9.44	128	10563	10.74	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	10638	10.88	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.70	165	18957	10.07	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	25002	9.98	ng/ul	0.00
44) Dimethylphthalate-d6	14.28	166	57961	10.74	ng/ul	0.00
47) Acenaphthylene-d8	14.58	160	71996	10.92	ng/ul	0.00
52) 4-Nitrophenol-d4	15.05	143	8516	7.88	ng/ul	0.00
58) Fluorene-d10	15.87	176	53805	11.72	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.97	200	5792	10.16	ng/ul	0.00
71) Anthracene-d10	17.72	188	69005	11.88	ng/ul	0.00
79) Pyrene-d10	19.99	212	71133	12.25	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.07	264	68459	11.51	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	11.15	128	41924	6.16 ng/ul#	93
34) 2-Methylnaphthalene	12.74	142	49153	9.54 ng/ul	98
41) 1,1'-Biphenyl	13.72	154	7699	1.39 ng/ul	95
45) Dimethylphthalate	14.33	163	25465	4.53 ng/ul#	93
54) Dibenzofuran	15.28	168	18419	2.81 ng/ul#	79
59) Fluorene	15.93	166	9020	1.58 ng/ul#	82
70) Phenanthrene	17.66	178	82494	11.13 ng/ul	94
77) Fluoranthene	19.66	202	41162	5.37 ng/ul#	94
80) Pvrene	20.02	202	50786	6.23 ng/ul#	93
83) Benzo(a)anthracene	21.89	228	21599	2.93 ng/ul#	77
85) Chrysene	21.96	228	29373	4.33 ng/ul#	80
88) Benzo(b)fluoranthene	24.22	252	23488	3.21 ng/ul#	58
89) Benzo(k)fluoranthene	24.28	252	9448m	1.35 ng/ul	
91) Benzo(a)pyrene	25.14	252	15785	2.28 ng/ul#	69
92) Indeno(1,2,3-cd)pyrene	29.18	276	12280m	1.54 ng/ul	
94) Benzo(g,h,i)perylene	30.40	276	13955m	2.14 ng/ul	

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

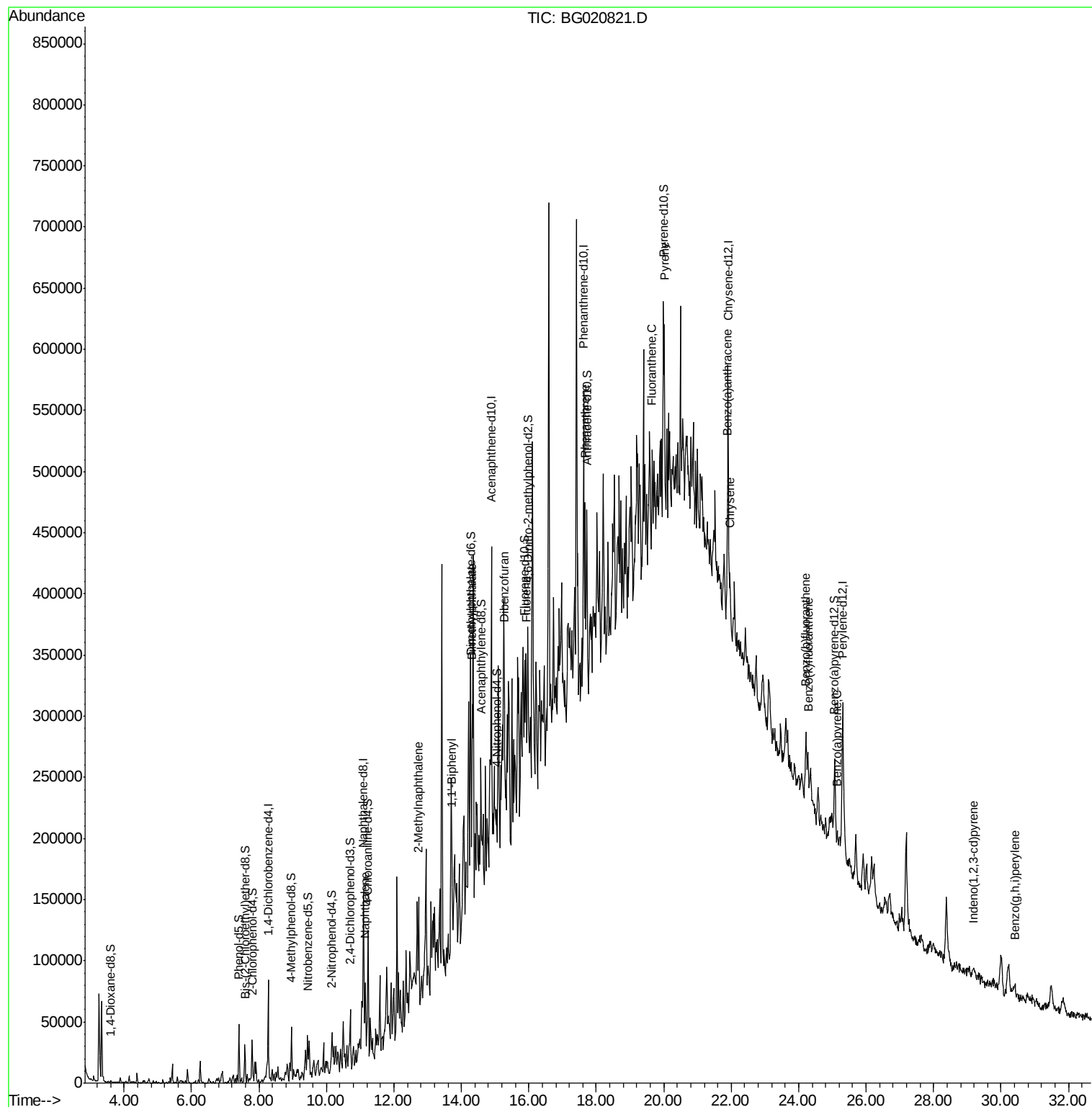
Data Path : Z:\HPCHEM1\BNA G\DATA\BG020916\
Data File : BG020821.D
Acq On : 9 Feb 2016 17:27
Operator : SJ/UM
Sample : H1371-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

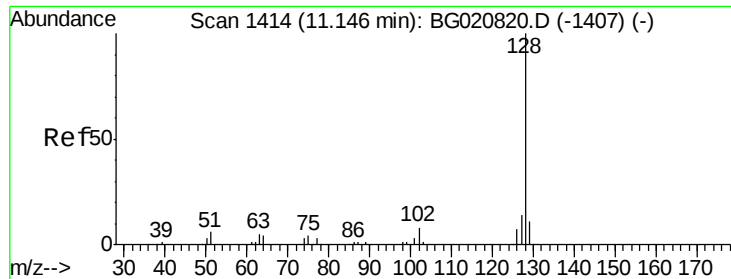
Instrument :
BNA_G
ClientSampled :
C04L1

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Quant Time: Feb 10 07:52:24 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG020816.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 10 00:34:52 2016
Response via : Initial Calibration





#28

Naphthalene

Concen: 6.16 ng/ul

RT: 11.15 min Scan# 1415

Delta R.T. 0.00 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

Instrument :

BNA_G

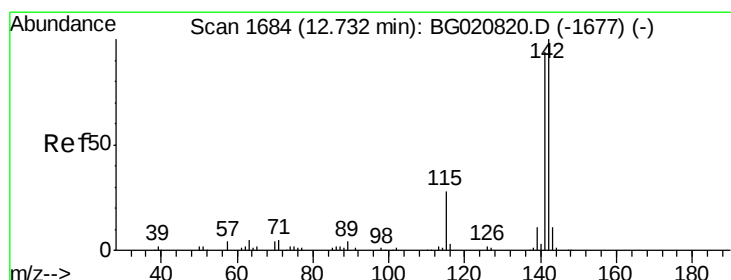
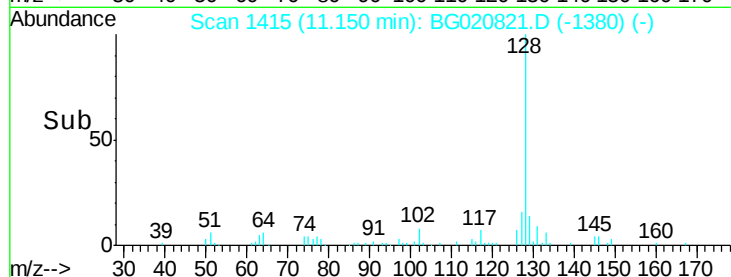
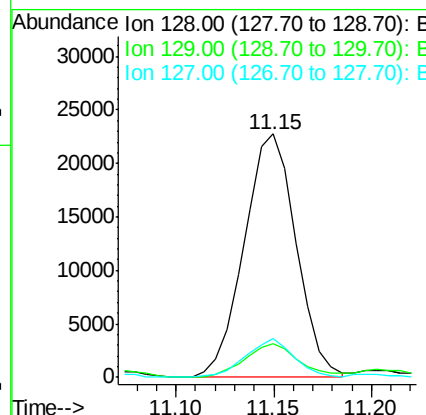
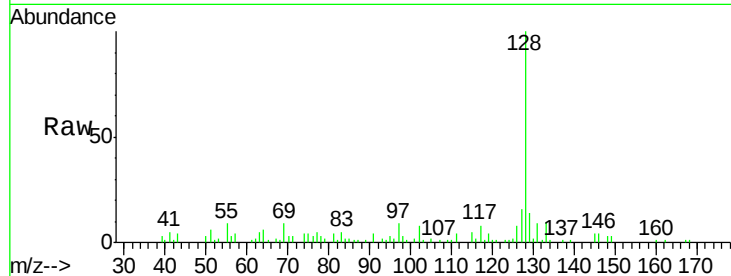
ClientSampleId :

C04L1

Tot Ion	Ratio	Lower	Upper
128	100		
129	13.9	9.0	13.4#
127	15.7	10.6	15.8

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#34

2-Methylnaphthalene

Concen: 9.54 ng/ul

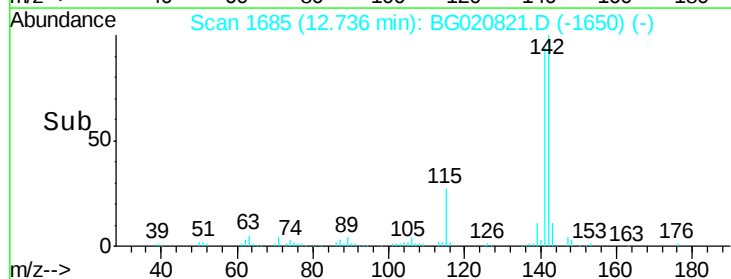
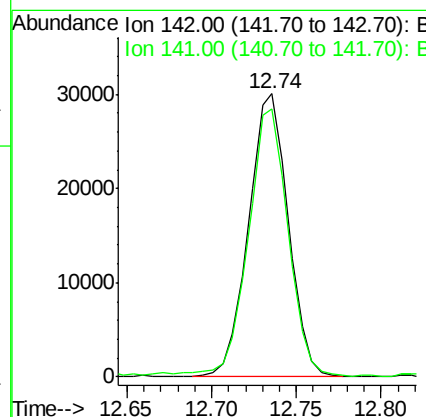
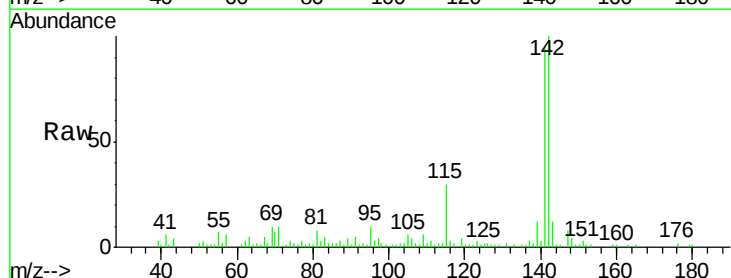
RT: 12.74 min Scan# 1685

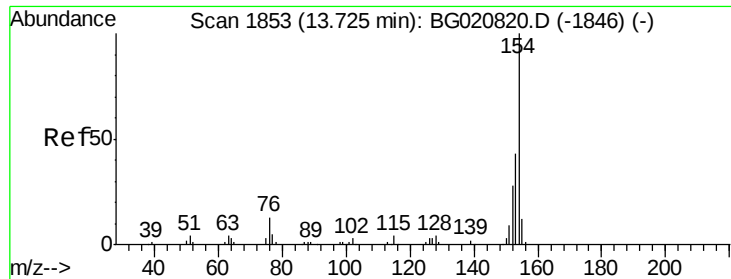
Delta R.T. 0.00 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.7	74.0	111.0





#41

1,1'-Biphenyl

Concen: 1.39 ng/ul

RT: 13.72 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

Instrument :

BNA_G

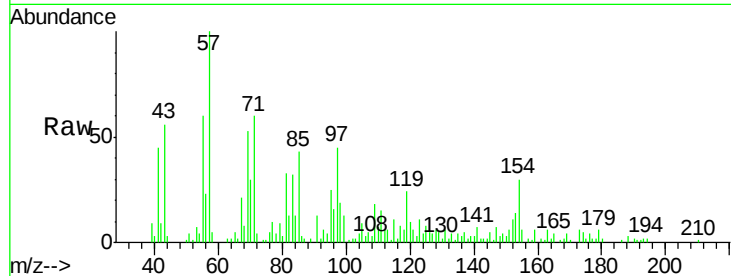
ClientSampleId :

C04L1

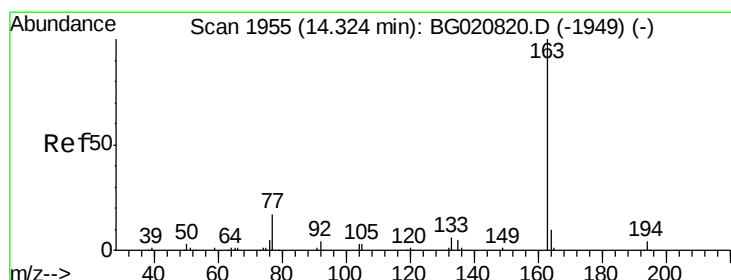
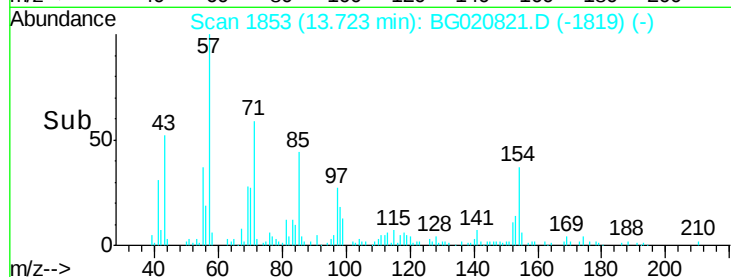
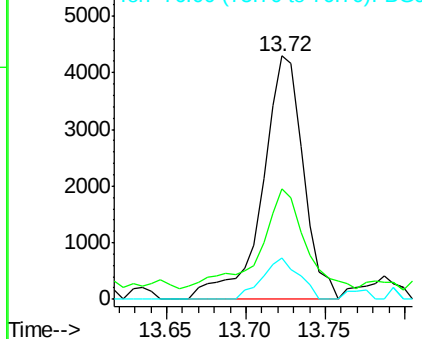
Tot Ion:	154	Resp:	7699
Ion Ratio	Lower	Upper	
154	100		
153	45.5	34.2	51.2
76	17.1	11.6	17.4

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BGC



#45

Dimethylphthalate

Concen: 4.53 ng/ul

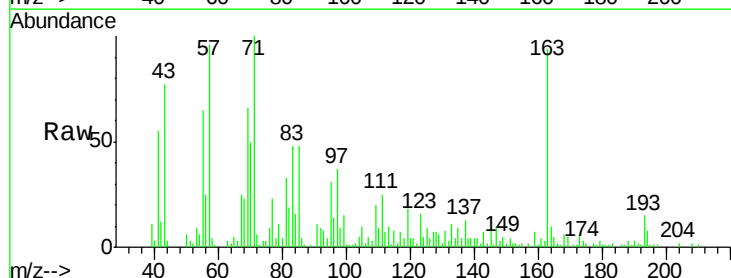
RT: 14.33 min Scan# 1956

Delta R.T. 0.00 min

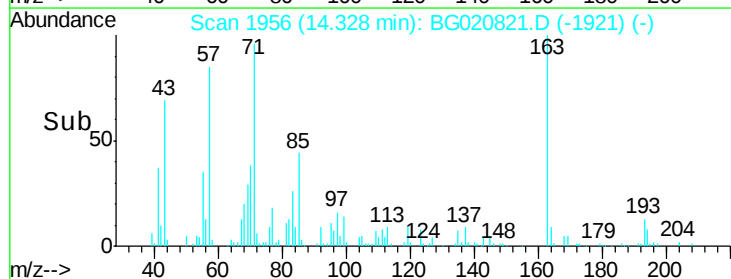
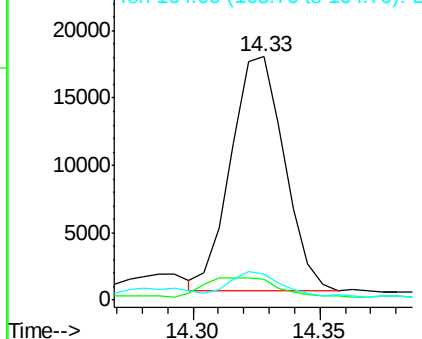
Lab File: BG020821.D

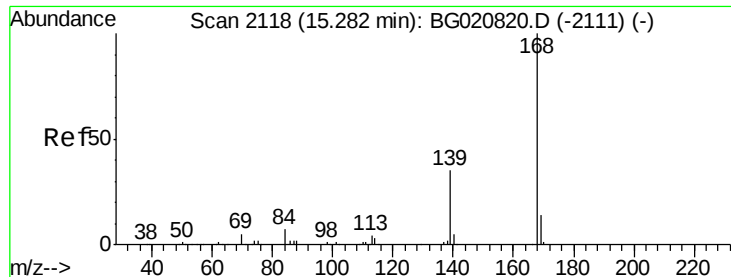
Acq: 9 Feb 2016 17:27

Tgt Ion:	163	Resp:	25465
Ion Ratio	Lower	Upper	
163	100		
194	8.7	3.0	4.6#
164	10.8	7.7	11.5



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





#54

Dibenzenofuran

Concen: 2.81 ng/ul

RT: 15.28 min Scan# 2118

Delta R.T. -0.00 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

Instrument :

BNA_G

ClientSampled :

C04L1

Tot Ion:168 Resp: 18419

Ion Ratio Lower Upper

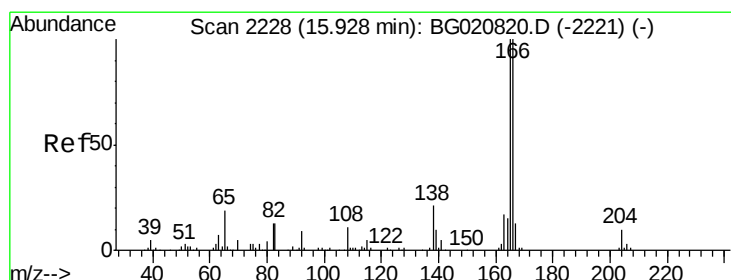
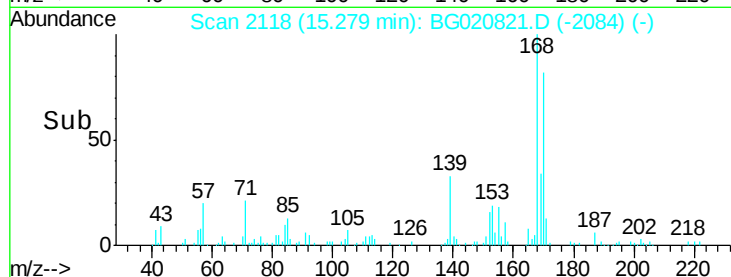
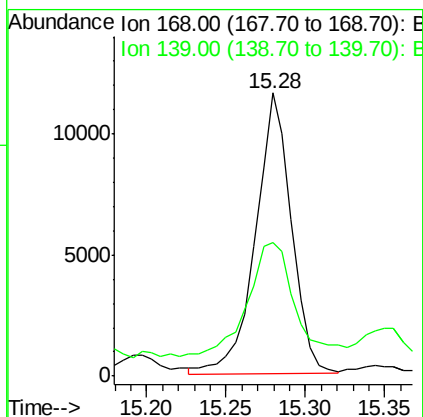
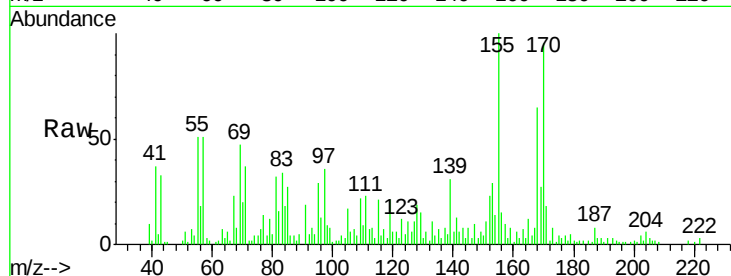
168 100

139 47.2 27.8 41.8#

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#59

Fluorene

Concen: 1.58 ng/ul

RT: 15.93 min Scan# 2228

Delta R.T. -0.00 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

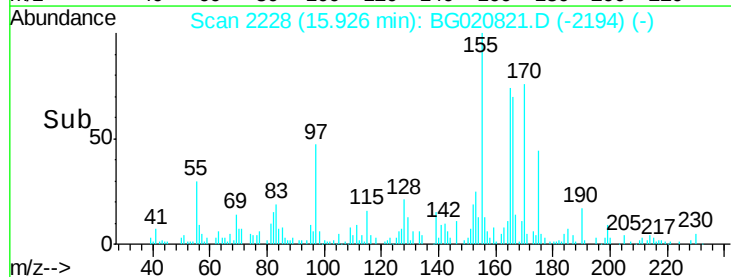
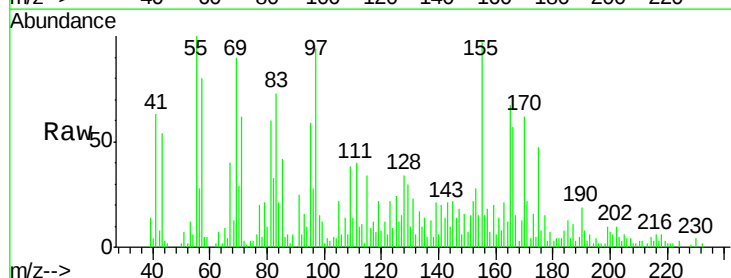
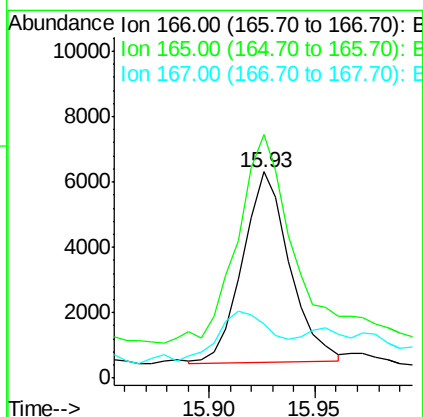
Tgt Ion:166 Resp: 9020

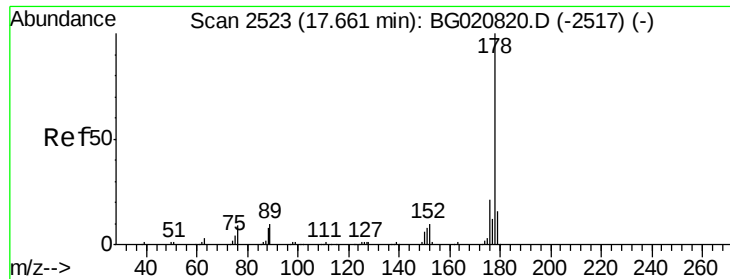
Ion Ratio Lower Upper

166 100

165 118.2 81.6 122.4

167 26.2 10.6 15.8#





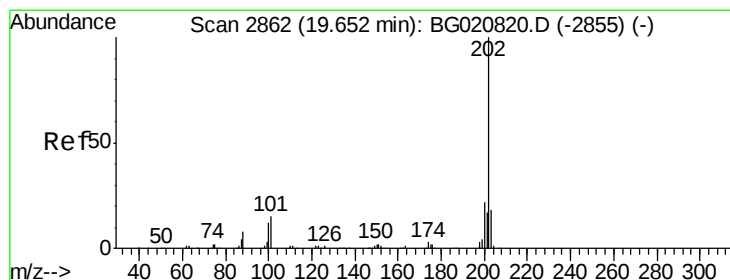
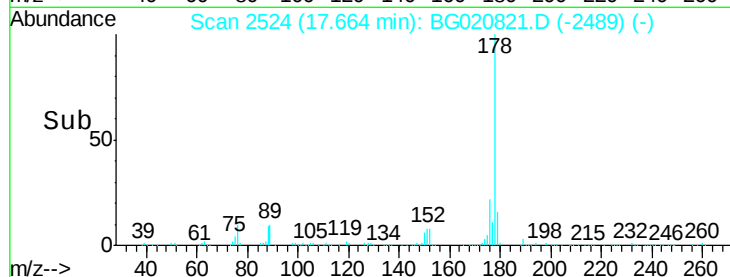
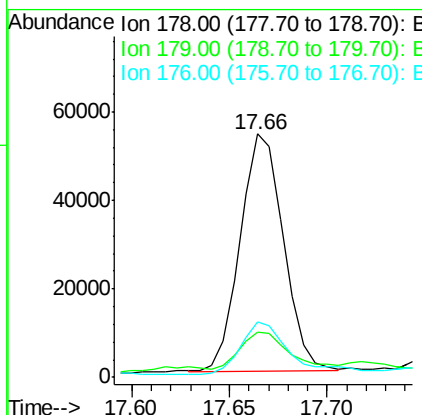
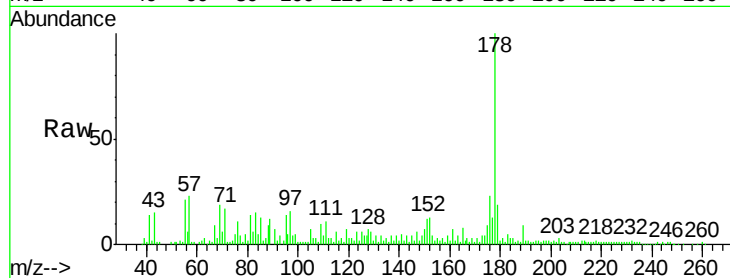
#70
Phenanthrene
Concen: 11.13 ng/ul
RT: 17.66 min Scan# 2524
Delta R.T. 0.00 min
Lab File: BG020821.D
Acq: 9 Feb 2016 17:27

Instrument :
BNA_G
ClientSampleId :
C04L1

Tot Ion	Ratio	Lower	Upper
178	100		
179	18.8	12.6	19.0
176	22.7	16.0	24.0

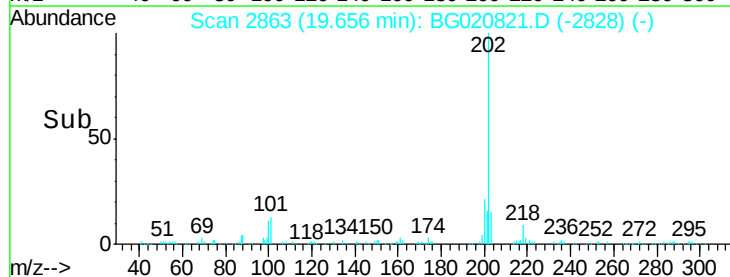
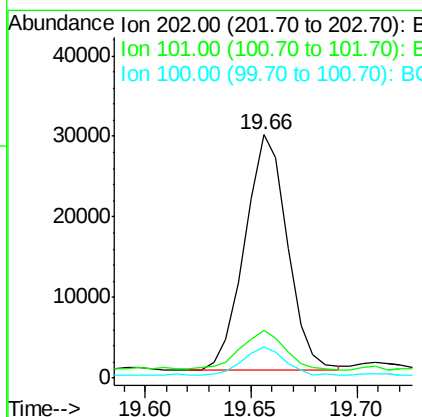
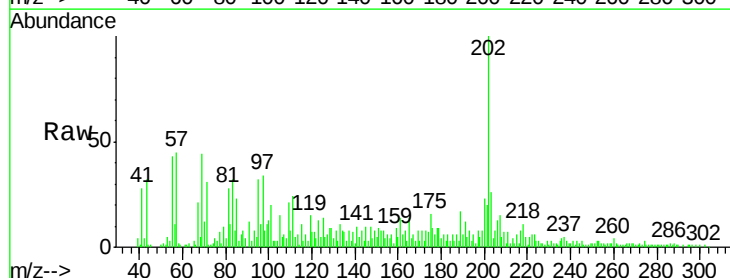
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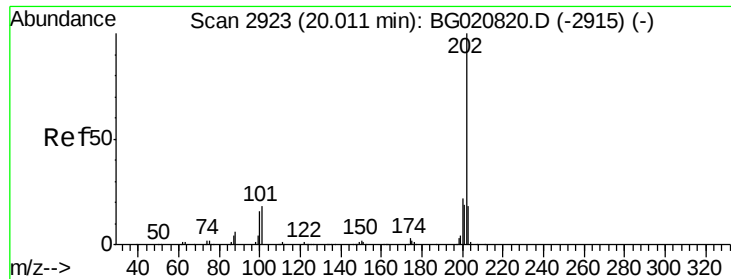
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#77
Fluoranthene
Concen: 5.37 ng/ul
RT: 19.66 min Scan# 2863
Delta R.T. 0.00 min
Lab File: BG020821.D
Acq: 9 Feb 2016 17:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	19.9	12.5	18.7#
100	12.9	9.9	14.9





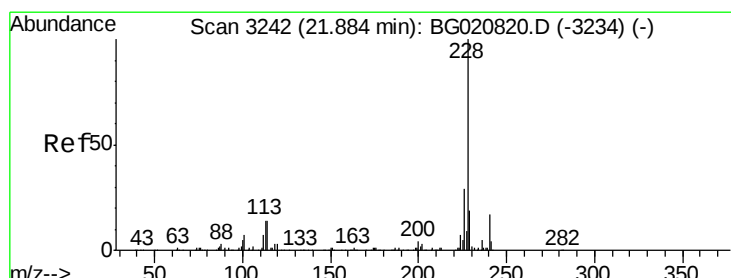
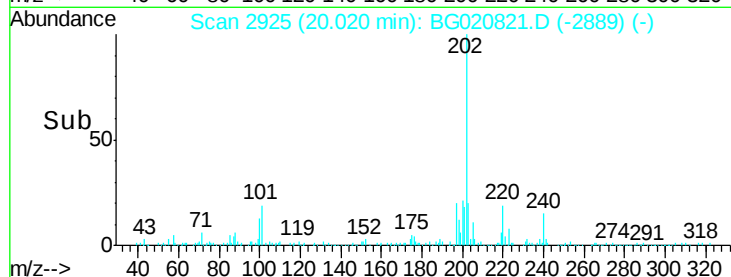
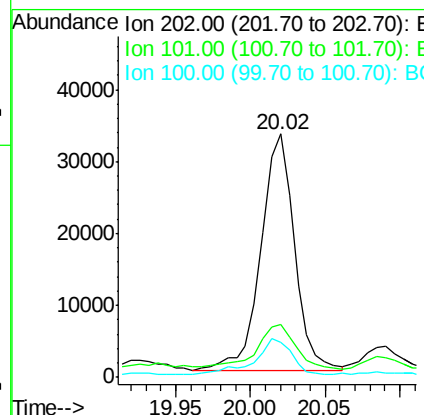
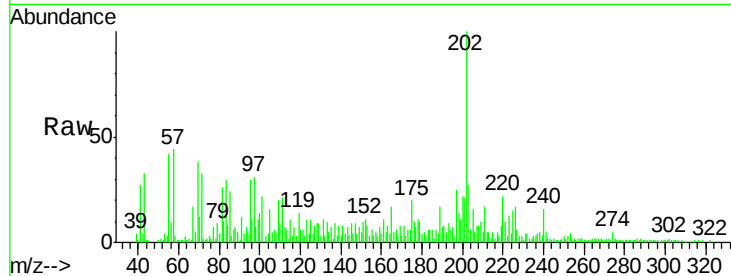
#80
Pvrene
Concen: 6.23 ng/ul
RT: 20.02 min Scan# 2925
Delta R.T. 0.01 min
Lab File: BG020821.D
Acq: 9 Feb 2016 17:27

Instrument :
BNA_G
ClientSampleId :
C04L1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	21.8	13.5	20.3#
100	14.2	11.7	17.5

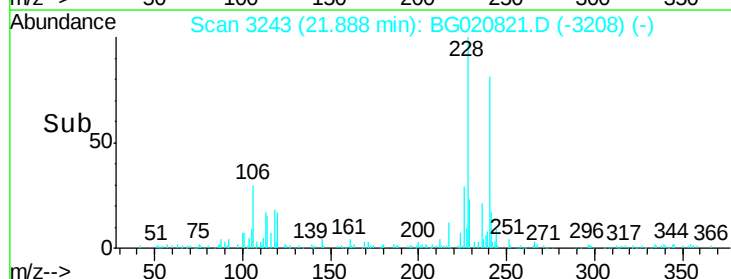
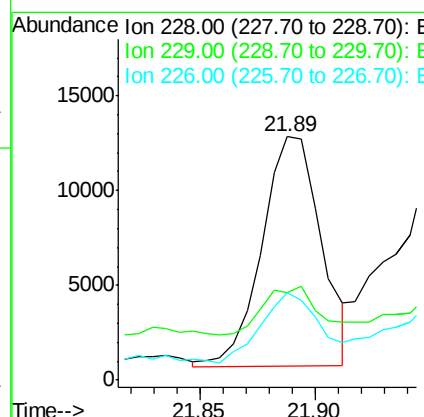
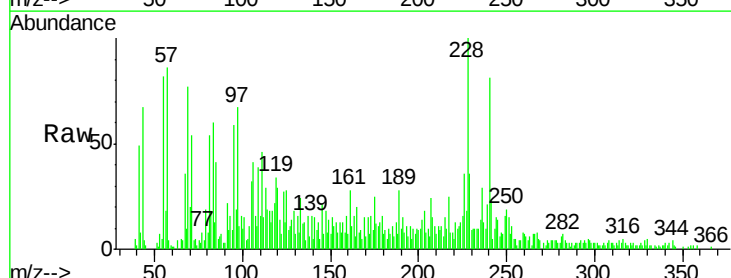
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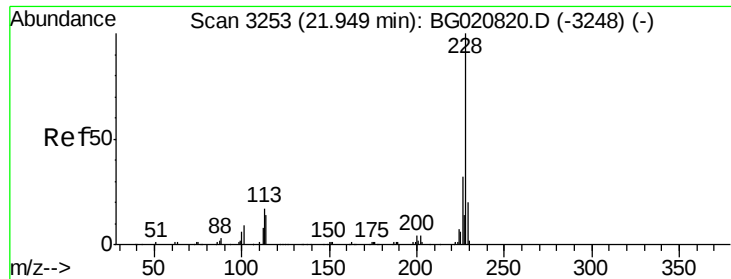
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#83
Benzo(a)anthracene
Concen: 2.93 ng/ul
RT: 21.89 min Scan# 3243
Delta R.T. 0.00 min
Lab File: BG020821.D
Acq: 9 Feb 2016 17:27

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	35.8	14.8	22.2#
226	35.9	23.0	34.4#





#85

Chrysene

Concen: 4.33 ng/ul

RT: 21.96 min Scan# 3255

Delta R.T. 0.01 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

Instrument :

BNA_G

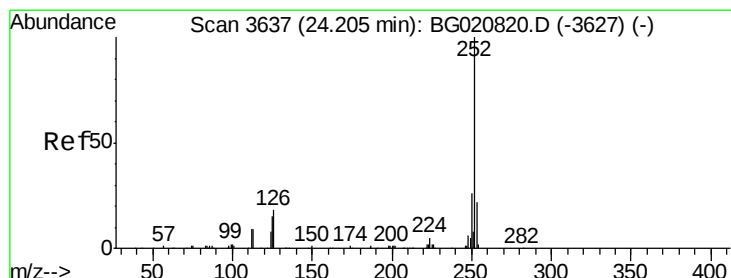
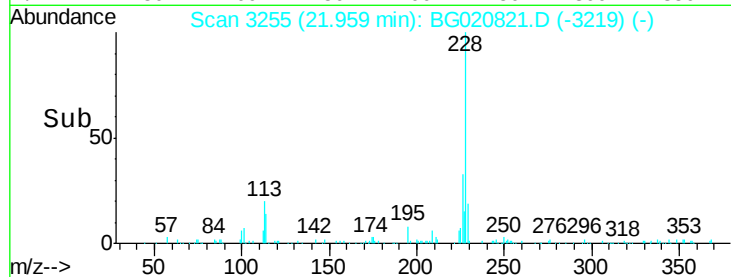
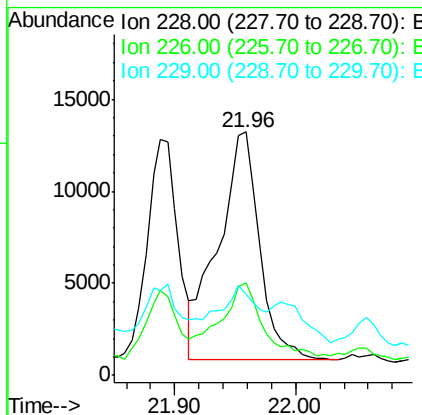
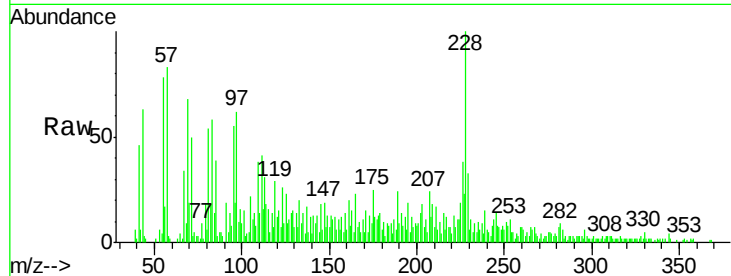
ClientSampled :

C04L1

Tot Ion:	228	Resp:	29373
Ion Ratio	Lower	Upper	
228	100		
226	38.0	24.4	36.6#
229	33.3	15.8	23.6#

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 3.21 ng/ul

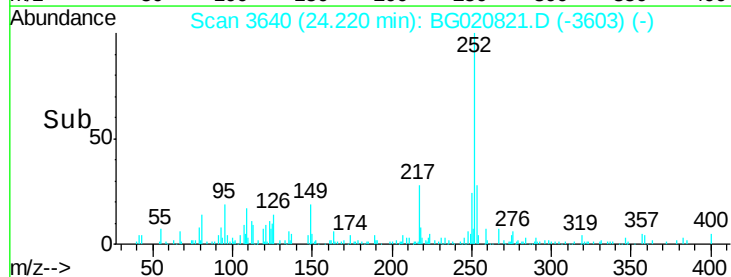
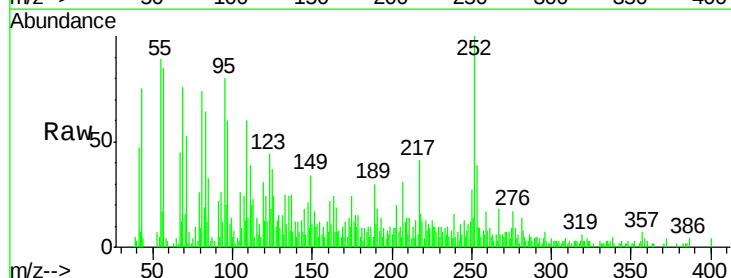
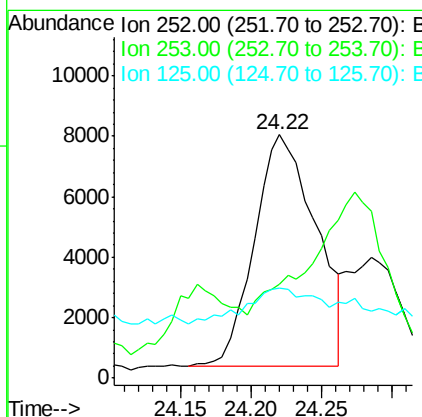
RT: 24.22 min Scan# 3640

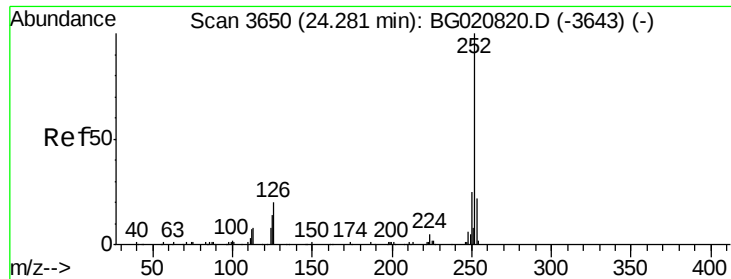
Delta R.T. 0.02 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

Tgt Ion:	252	Resp:	23488
Ion Ratio	Lower	Upper	
252	100		
253	38.5	17.1	25.7#
125	37.0	12.5	18.7#





#89

Benzo(k)fluoranthene

Concen: 1.35 ng/ul m

RT: 24.28 min Scan# 3651

Delta R.T. 0.00 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

Instrument :

BNA_G

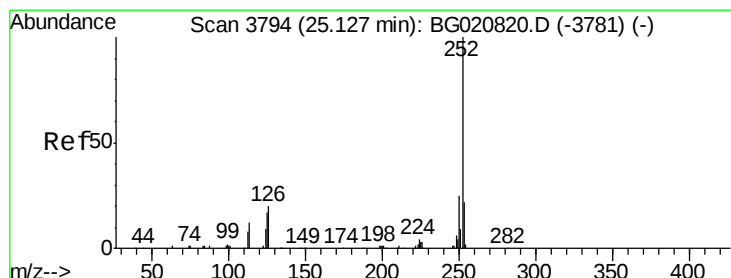
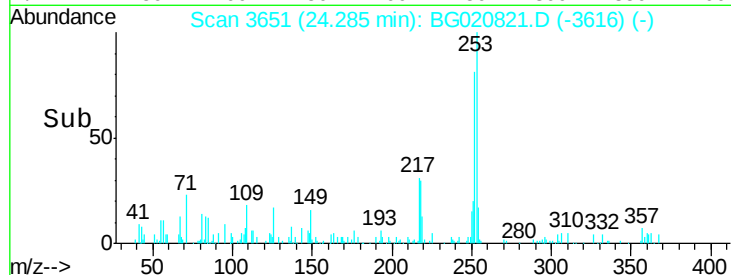
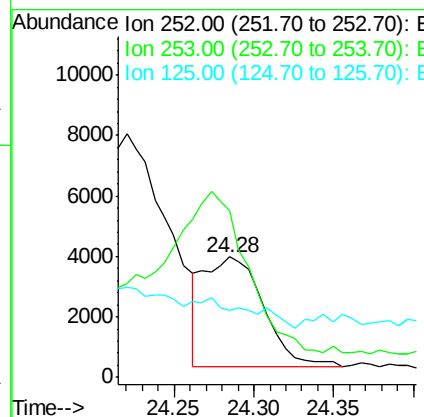
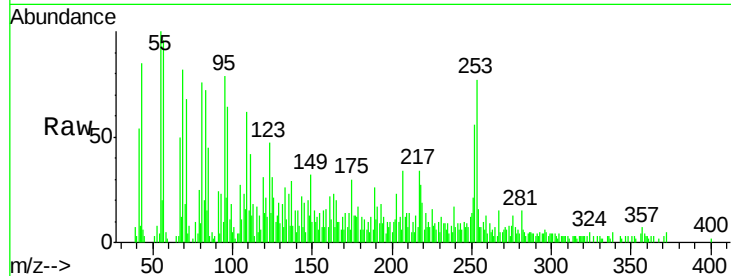
ClientSampleId :

C04L1

Tot Ion	Ratio	Lower	Upper
252	100		
253	138.1	17.1	25.7#
125	56.1	12.1	18.1#

Manual Integrations
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Sohil
2/10/2016 1:46:50 PM



#91

Benzo(a)pyrene

Concen: 2.28 ng/ul

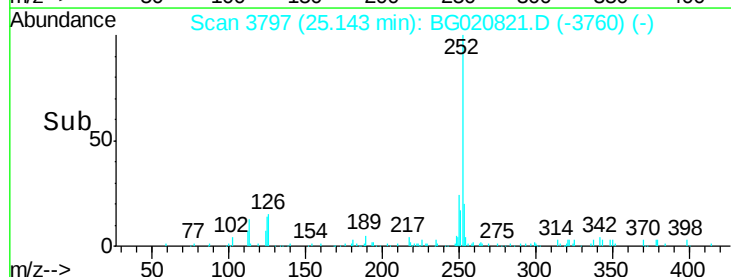
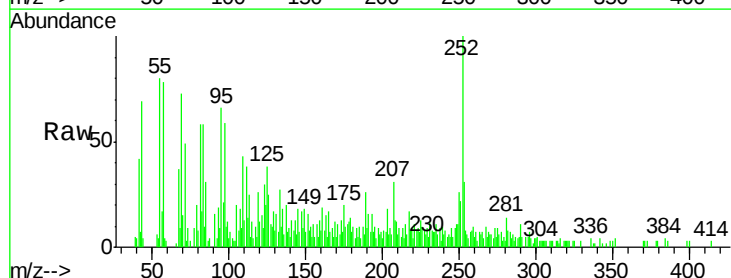
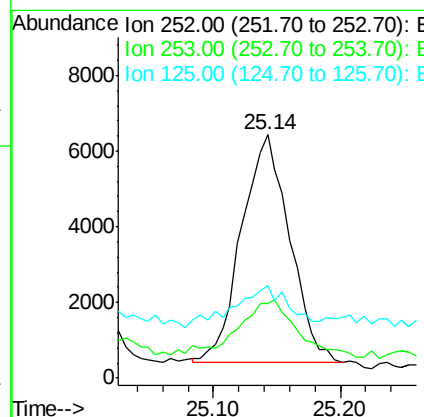
RT: 25.14 min Scan# 3797

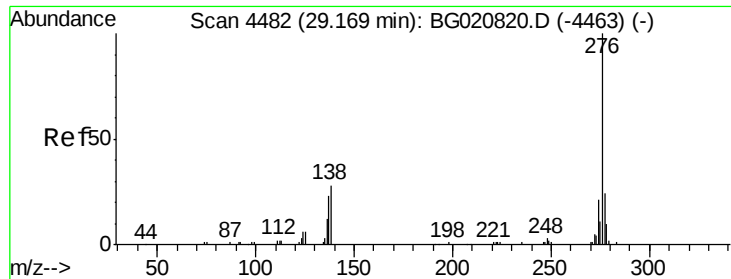
Delta R.T. 0.02 min

Lab File: BG020821.D

Acq: 9 Feb 2016 17:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.6	17.3	25.9#
125	37.8	14.2	21.2#





#92

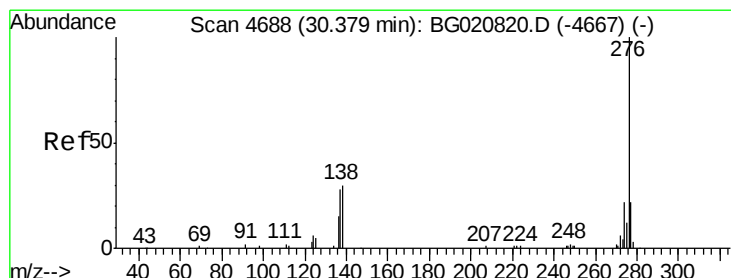
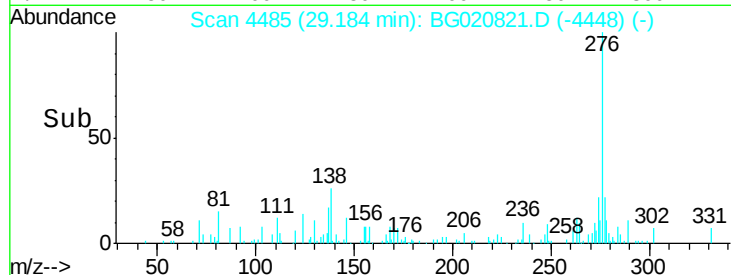
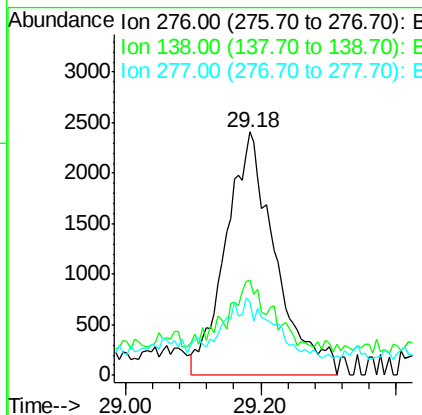
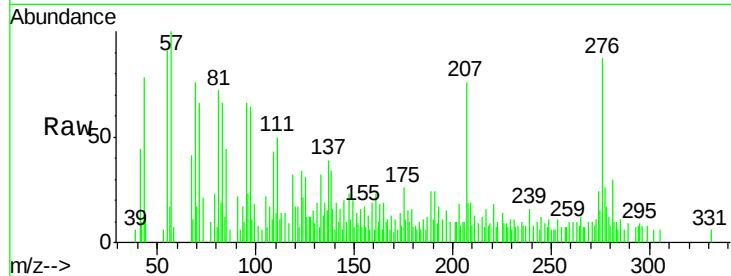
Indeno(1,2,3-cd)pyrene
Concen: 1.54 ng/ul m
RT: 29.18 min Scan# 4485
Delta R.T. 0.02 min
Lab File: BG020821.D
Acq: 9 Feb 2016 17:27

Instrument :
BNA_G
ClientSampleId :
C04L1

Tot Ion	Ratio	Lower	Upper
276	100		
138	39.1	22.4	33.6#
277	30.1	18.5	27.7#

Manual Integrations
APPROVED

Sohil
2/10/2016 1:46:50 PM



#94

Benzo(g,h,i)perylene
Concen: 2.14 ng/ul m
RT: 30.40 min Scan# 4692
Delta R.T. 0.02 min
Lab File: BG020821.D
Acq: 9 Feb 2016 17:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.5	24.4	36.6
277	26.6	18.7	28.1

