

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
 Data File : BG020632.D
 Acq On : 31 Dec 2015 8:46
 Operator : UM/SJ
 Sample : G4802-10DL 30X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D85DL

Manual Integrations
 APPROVED

Sohil
 12/31/2015 6:37:46 PM

Quant Time: Dec 31 13:27:23 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG123015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 31 03:43:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	19666	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	89487	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.70	164	64077	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.45	188	155960	20.00	ng/ul	0.00
78) Chrysene-d12	21.72	240	182246	20.00	ng/ul	0.00
86) Perylene-d12	24.97	264	172230	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	7.22	99	65	0.04	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	404	0.40	ng/ul	0.00
9) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/ul	
13) 4-Methylphenol-d8	8.79	113	552	0.39	ng/ul	0.01
19) Nitrobenzene-d5	9.24	128	194	0.28	ng/ul	0.01
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	0.00	165	0	0.00	ng/ul	
29) 4-Chloroaniline-d4	11.04	131	282	0.16	ng/ul	0.03
44) Dimethylphthalate-d6	14.10	166	4236	0.81	ng/ul	0.00
47) Acenaphthylene-d8	14.40	160	4946	0.83	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.69	176	4538	0.95	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.54	188	7523m	1.04	ng/ul	0.00
79) Pyrene-d10	19.83	212	8117	0.99	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.75	264	7602m	0.88	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.92	128	6703	1.41	ng/ul	97
34) 2-Methylnaphthalene	12.53	142	4609	1.30	ng/ul	96
48) Acenaphthylene	14.42	152	10867	1.71	ng/ul	96
59) Fluorene	15.74	166	27802	5.33	ng/ul	99
70) Phenanthrene	17.49	178	383487	45.23	ng/ul	99
72) Anthracene	17.58	178	49046	5.66	ng/ul	97
77) Fluoranthene	19.50	202	354950	34.26	ng/ul	100
80) Pyrene	19.86	202	619056	58.65	ng/ul	99
83) Benzo(a)anthracene	21.70	228	240818	22.59	ng/ul	98
85) Chrysene	21.76	228	231535	23.07	ng/ul	99
88) Benzo(b)fluoranthene	23.94	252	226661	22.16	ng/ul	98
89) Benzo(k)fluoranthene	23.99	252	78957m	8.06	ng/ul	
91) Benzo(a)pyrene	24.83	252	146268	14.88	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.70	276	112324	9.58	ng/ul	100
93) Dibenzo(a,h)anthracene	28.72	278	33531m	3.43	ng/ul	
94) Benzo(g,h,i)perylene	29.86	276	120828	12.55	ng/ul	99

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

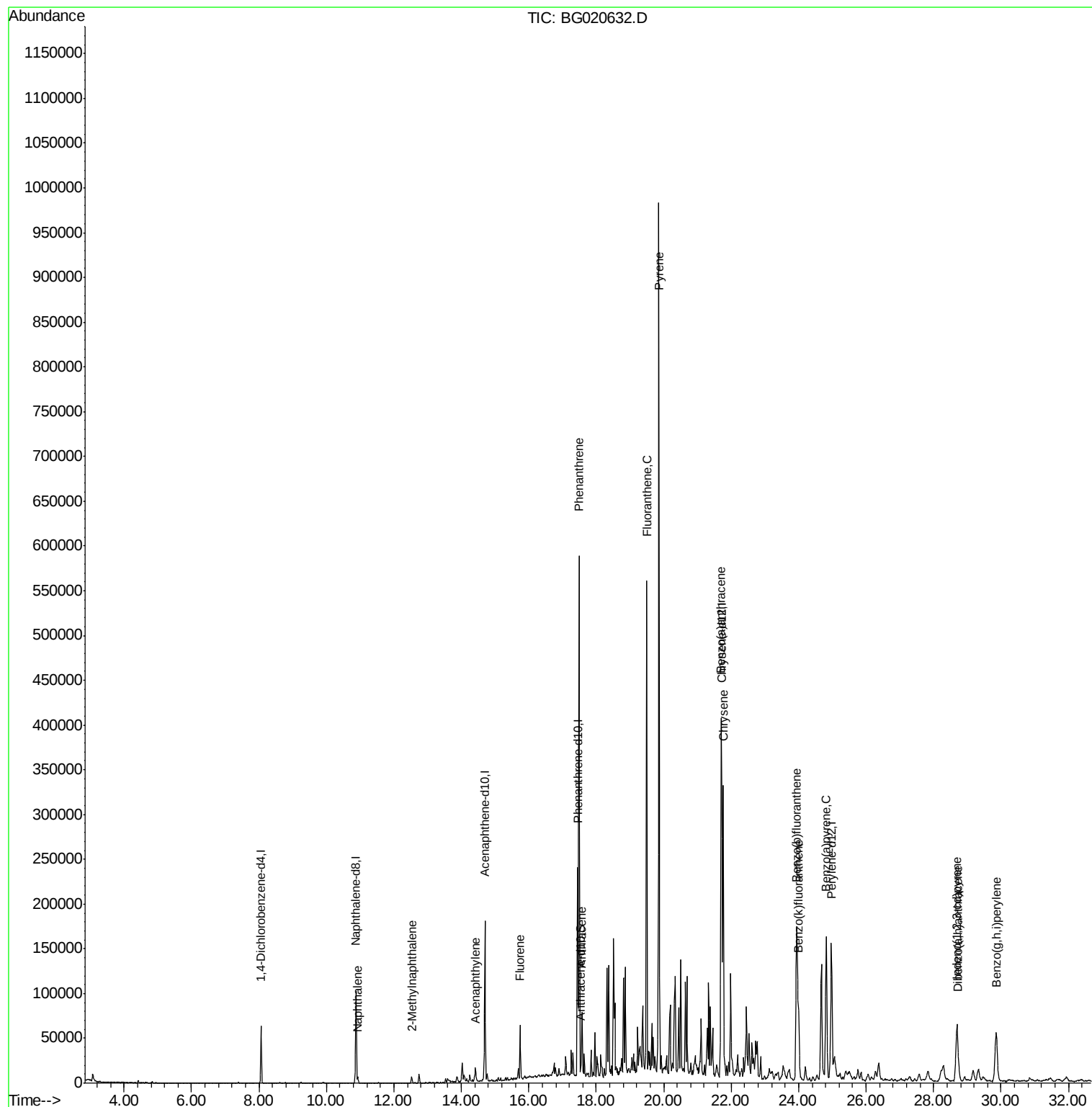
Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020632.D
Acq On : 31 Dec 2015 8:46
Operator : UM/SJ
Sample : G4802-10DL 30X
Misc :
ALS Vial : 39 Sample Multiplier: 1

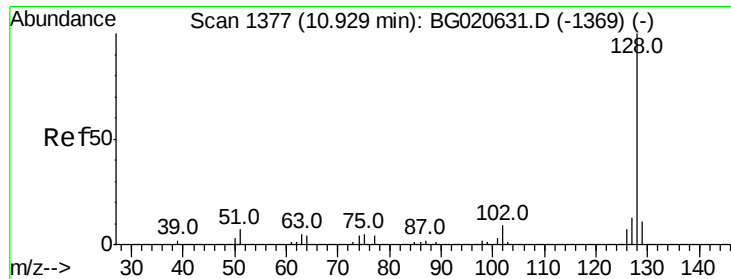
Instrument :
BNA_G
ClientSampleId :
G9D85DL

Manual Integrations
APPROVED

Sohil
12/31/2015 6:37:46 PM

Quant Time: Dec 31 13:27:23 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 31 03:43:50 2015
Response via : Initial Calibration





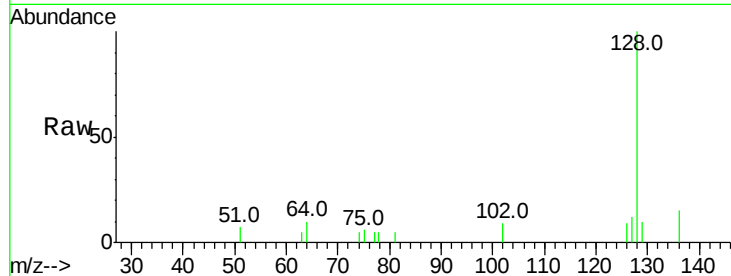
#28
Naphthalene
Concen: 1.41 ng/ul
RT: 10.92 min Scan# 1376
Delta R.T. -0.00 min
Lab File: BG020632.D
Acq: 31 Dec 2015 8:46

Instrument :
BNA_G
ClientSampleId :
G9D85DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.3	12.5
127	11.8	10.8	16.2

Manual Integrations
APPROVED

Sohil
12/31/2015 6:37:46 PM

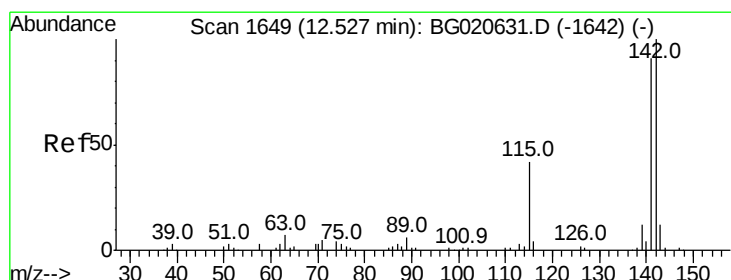
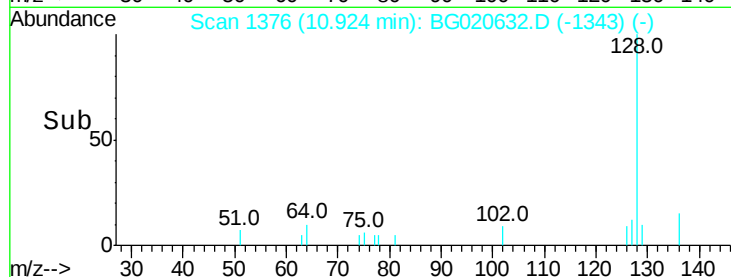
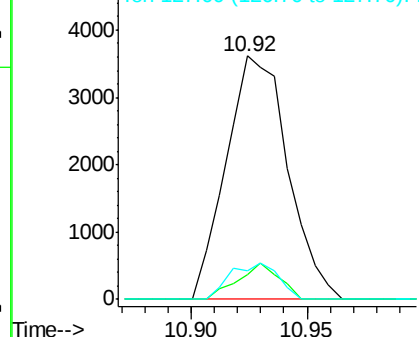


Abundance

Ion 128.00 (127.70 to 128.70): E

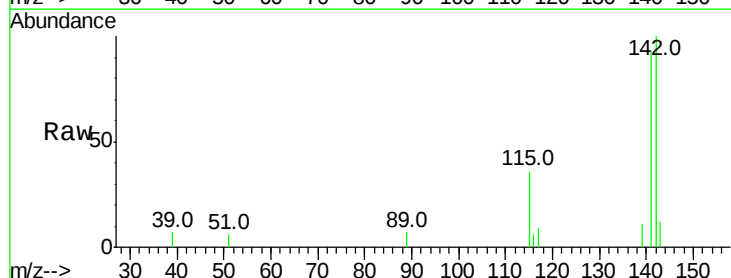
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34
2-Methylnaphthalene
Concen: 1.30 ng/ul
RT: 12.53 min Scan# 1649
Delta R.T. 0.00 min
Lab File: BG020632.D
Acq: 31 Dec 2015 8:46

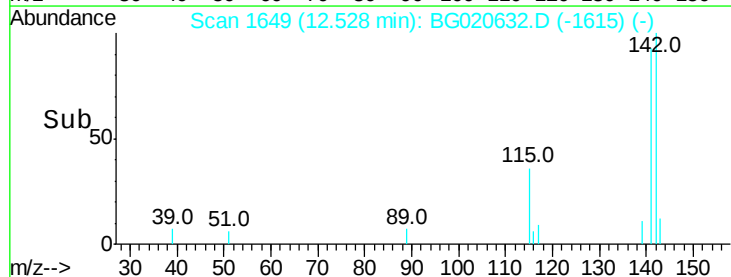
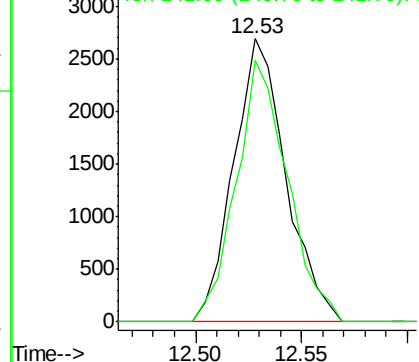
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.6	71.4	107.2

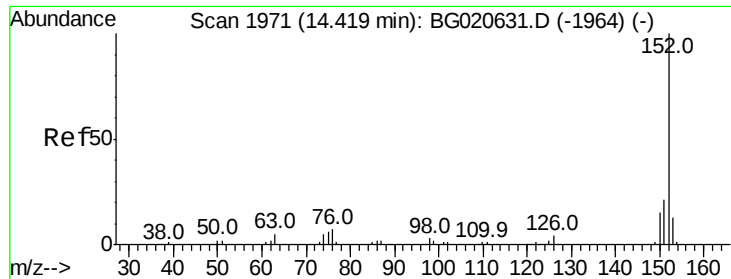


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#48

Acenaphthylene

Concen: 1.71 ng/ul

RT: 14.42 min Scan# 1971

Delta R.T. 0.00 min

Lab File: BG020632.D

Acq: 31 Dec 2015 8:46

Instrument :

BNA_G

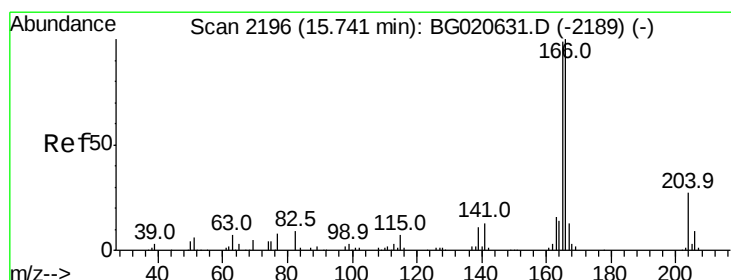
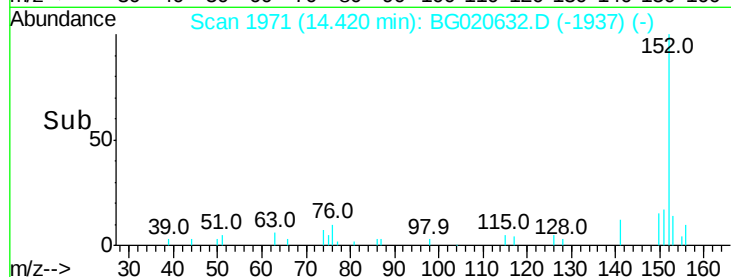
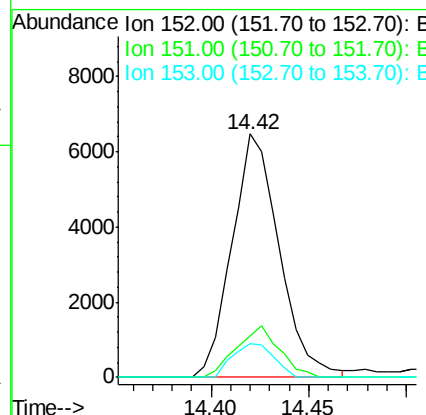
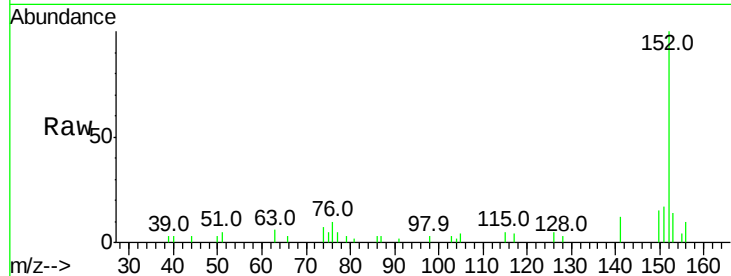
ClientSampleId :

G9D85DL

Tot Ion:	152	Resp:	10867
Ion Ratio	Lower	Upper	
152	100		
151	17.2	16.1	24.1
153	13.7	10.8	16.2

Manual Integrations
APPROVED

Sohil
12/31/2015 6:37:46 PM



#59

Fluorene

Concen: 5.33 ng/ul

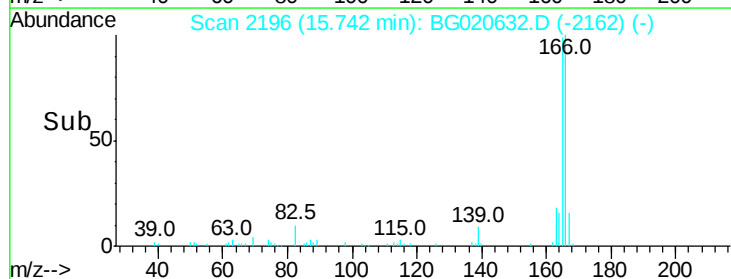
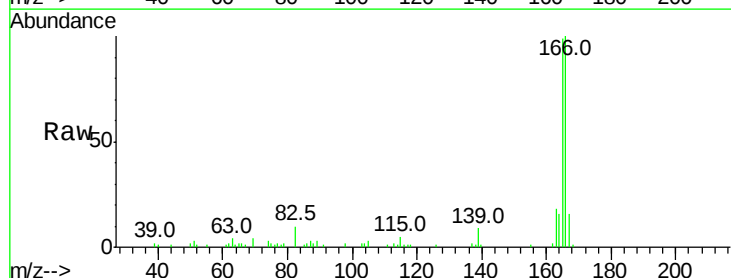
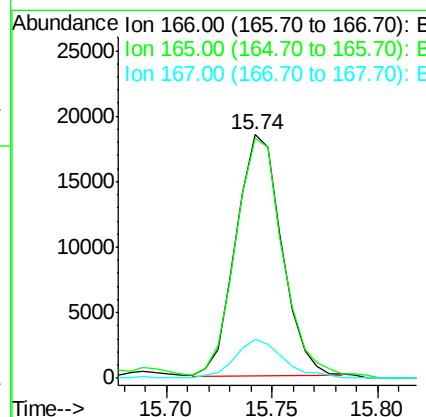
RT: 15.74 min Scan# 2196

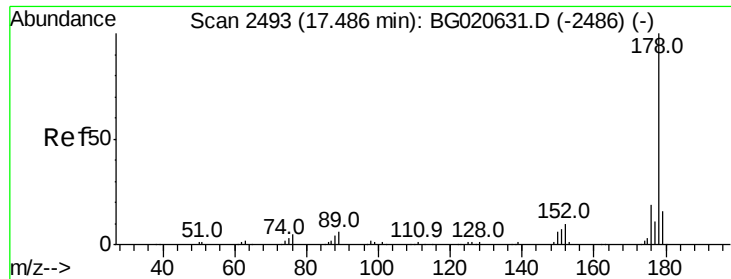
Delta R.T. 0.00 min

Lab File: BG020632.D

Acq: 31 Dec 2015 8:46

Tgt Ion:	166	Resp:	27802
Ion Ratio	Lower	Upper	
166	100		
165	98.7	78.4	117.6
167	15.9	11.1	16.7





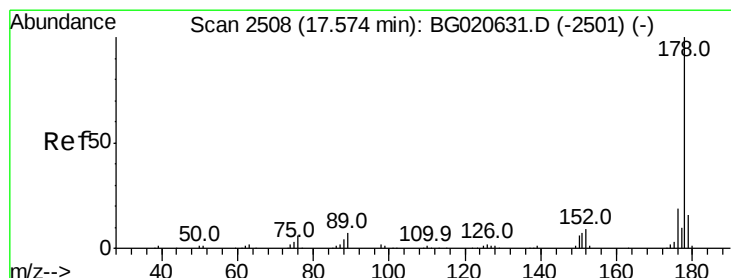
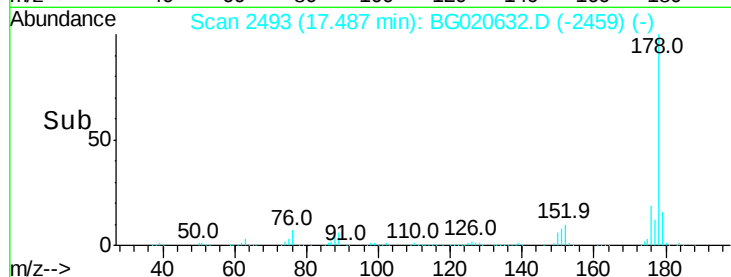
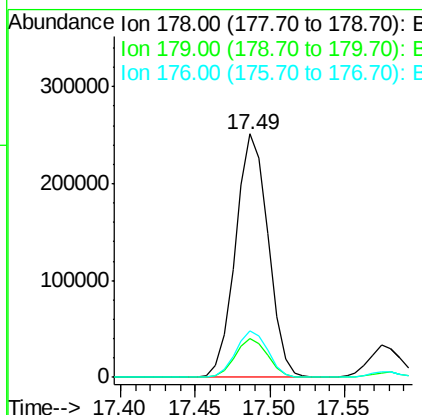
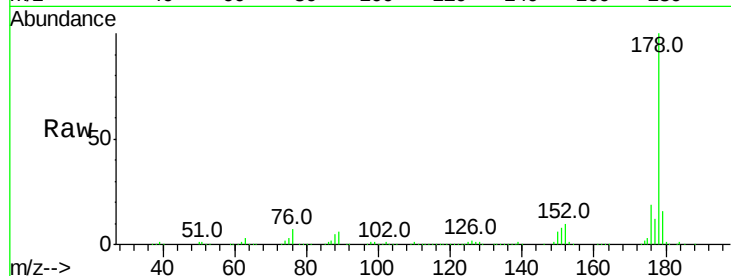
#70
 Phenanthrene
 Concen: 45.23 ng/ul
 RT: 17.49 min Scan# 2493
 Delta R.T. 0.00 min
 Lab File: BG020632.D
 Acq: 31 Dec 2015 8:46

Instrument :
 BNA_G
 ClientSampleId :
 G9D85DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.3	18.5
176	19.2	15.4	23.0

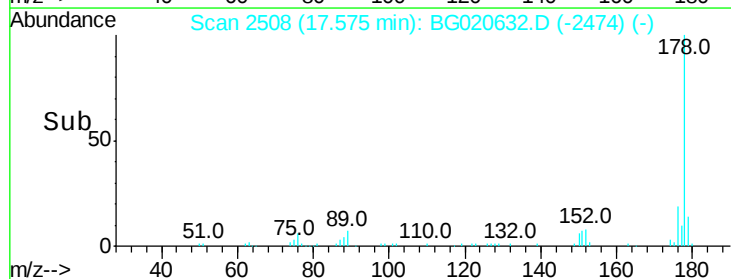
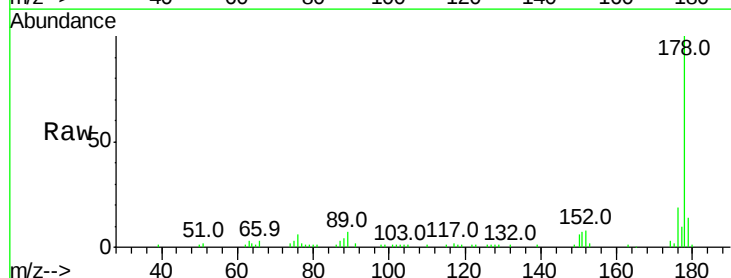
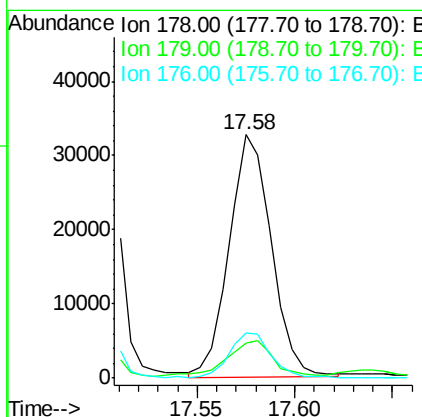
Manual Integrations
 APPROVED

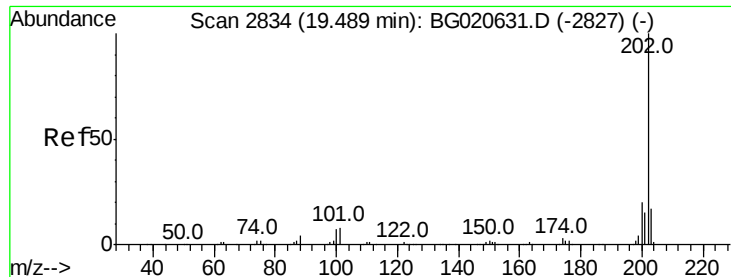
Sohil
 12/31/2015 6:37:46 PM



#72
 Anthracene
 Concen: 5.66 ng/ul
 RT: 17.58 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: BG020632.D
 Acq: 31 Dec 2015 8:46

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.5	13.4	20.2
176	18.5	15.4	23.0





#77

Fluoranthene

Concen: 34.26 ng/ul

RT: 19.50 min Scan# 2835

Delta R.T. 0.01 min

Lab File: BG020632.D

Acq: 31 Dec 2015 8:46

Instrument :

BNA_G

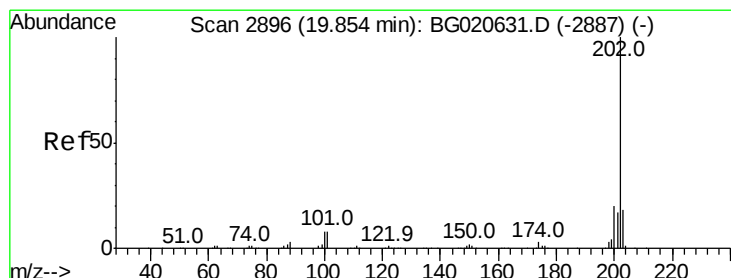
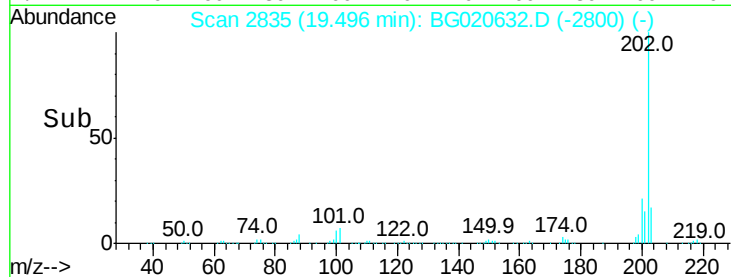
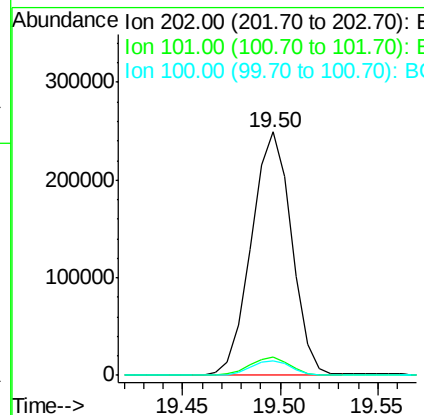
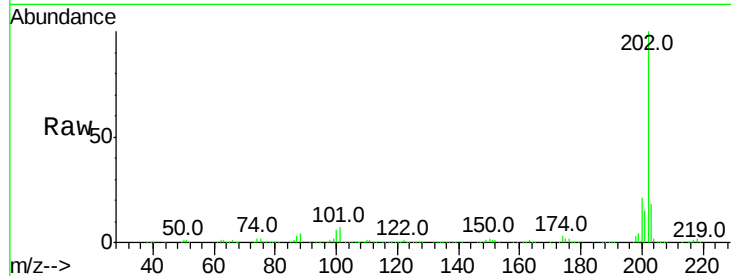
ClientSampleId :

G9D85DL

Tot Ion:	202	Resp:	354950
Ion Ratio	Lower	Upper	
202	100		
101	7.4	6.1	9.1
100	5.8	4.6	7.0

Manual Integrations
APPROVED

Sohil
12/31/2015 6:37:46 PM



#80

Pyrene

Concen: 58.65 ng/ul

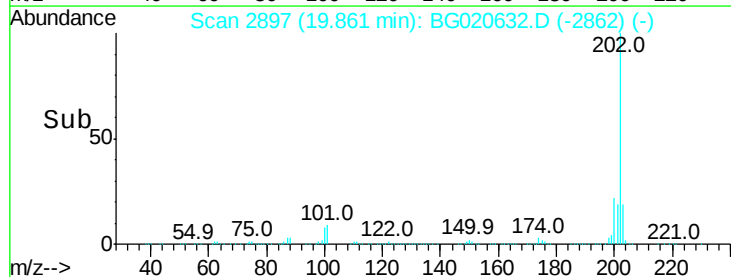
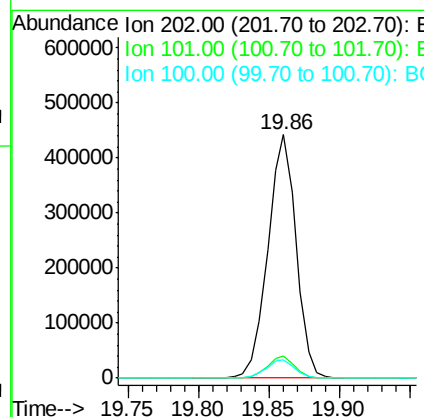
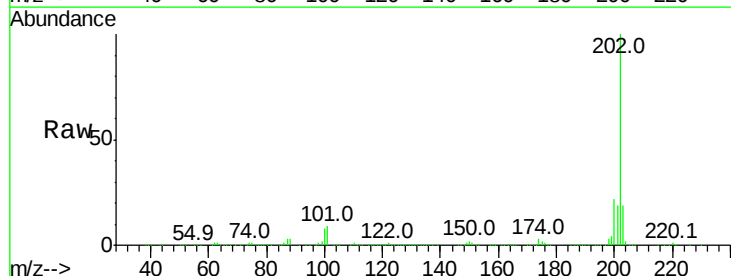
RT: 19.86 min Scan# 2897

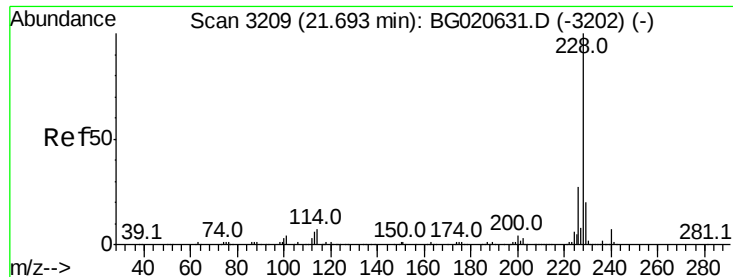
Delta R.T. 0.01 min

Lab File: BG020632.D

Acq: 31 Dec 2015 8:46

Tgt Ion:	202	Resp:	619056
Ion Ratio	Lower	Upper	
202	100		
101	8.9	6.9	10.3
100	7.6	5.6	8.4





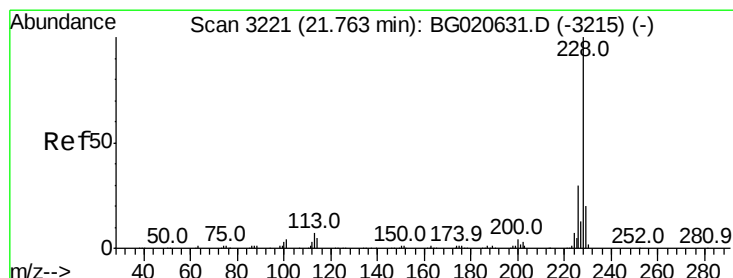
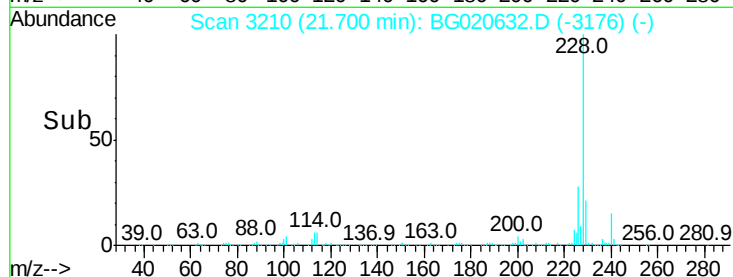
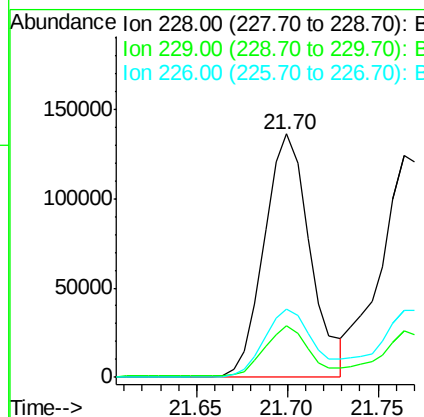
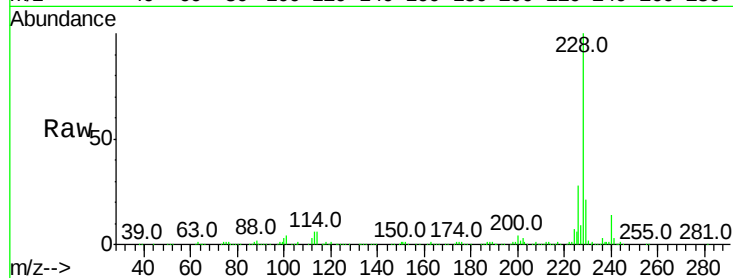
#83
Benzo(a)anthracene
Concen: 22.59 ng/ul
RT: 21.70 min Scan# 3210
Delta R.T. 0.00 min
Lab File: BG020632.D
Acq: 31 Dec 2015 8:46

Instrument :
BNA_G
ClientSampleId :
G9D85DL

Tot Ion	Ratio	Resp Lower	Upper
228	100		
229	21.4	16.0	24.0
226	28.3	21.8	32.8

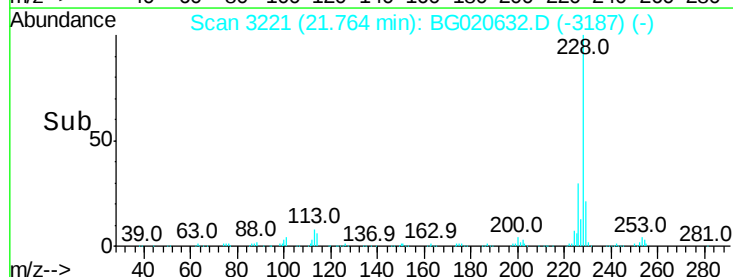
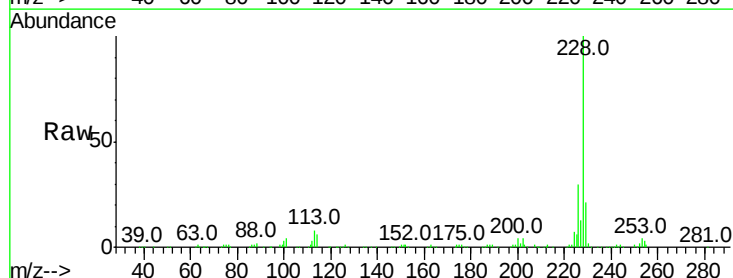
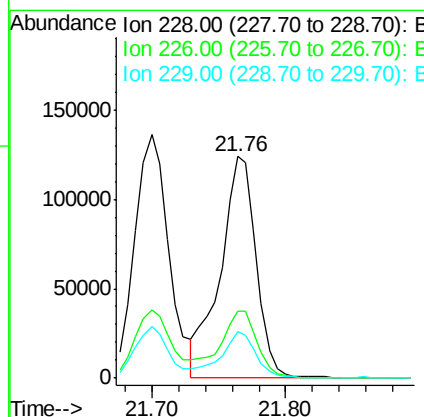
Manual Integrations
APPROVED

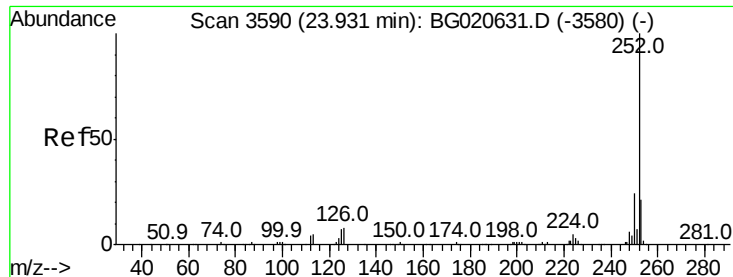
Sohil
12/31/2015 6:37:46 PM



#85
Chrysene
Concen: 23.07 ng/ul
RT: 21.76 min Scan# 3221
Delta R.T. 0.00 min
Lab File: BG020632.D
Acq: 31 Dec 2015 8:46

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.3	24.1	36.1
229	21.0	16.0	24.0





#88

Benzo(b)fluoranthene

Concen: 22.16 ng/ul

RT: 23.94 min Scan# 3592

Delta R.T. 0.01 min

Lab File: BG020632.D

Acq: 31 Dec 2015 8:46

Instrument :

BNA_G

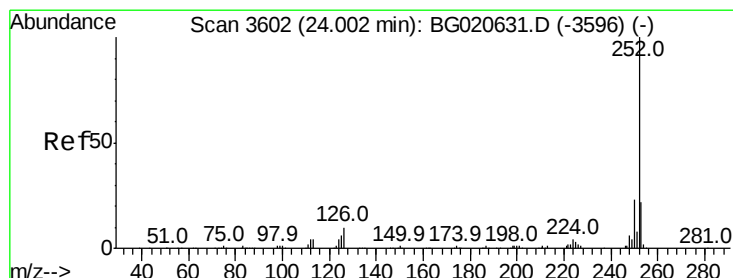
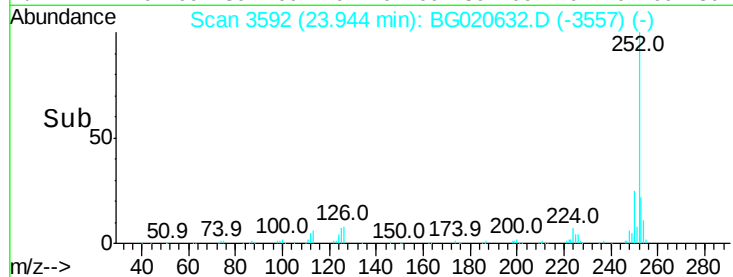
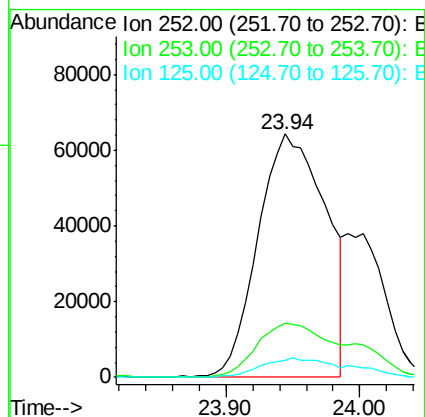
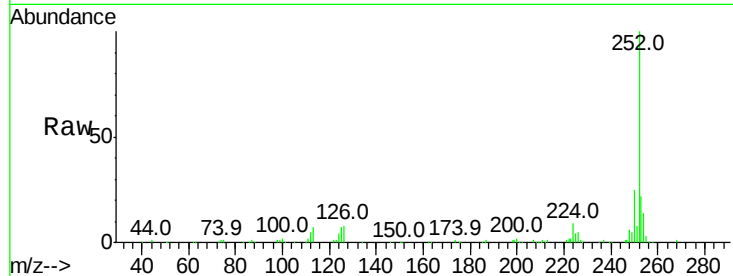
ClientSampleId :

G9D85DL

Tot Ion:	252	Resp:	226661
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.4	26.0
125	7.2	4.9	7.3

Manual Integrations
APPROVED

Sohil
12/31/2015 6:37:46 PM



#89

Benzo(k)fluoranthene

Concen: 8.06 ng/ul m

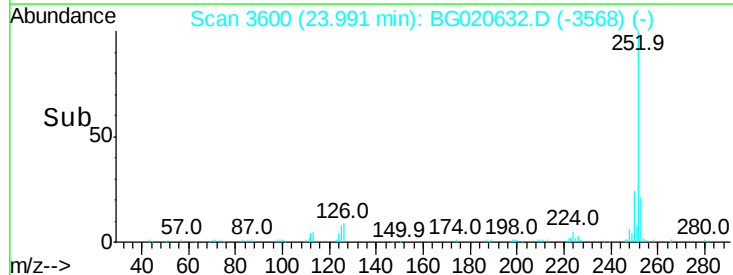
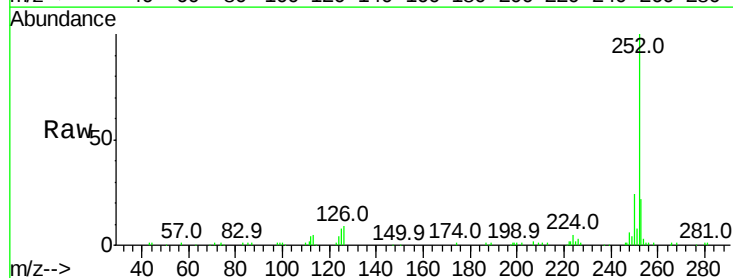
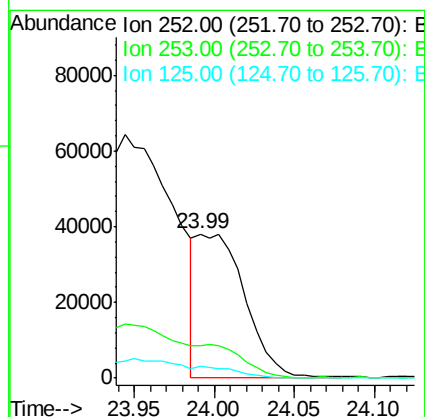
RT: 23.99 min Scan# 3600

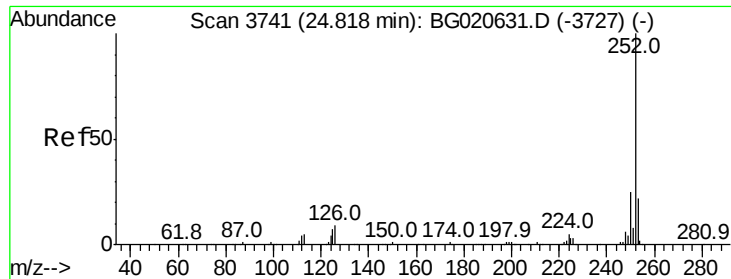
Delta R.T. -0.01 min

Lab File: BG020632.D

Acq: 31 Dec 2015 8:46

Tgt Ion:	252	Resp:	78957
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.1	25.7
125	8.2	5.4	8.0#





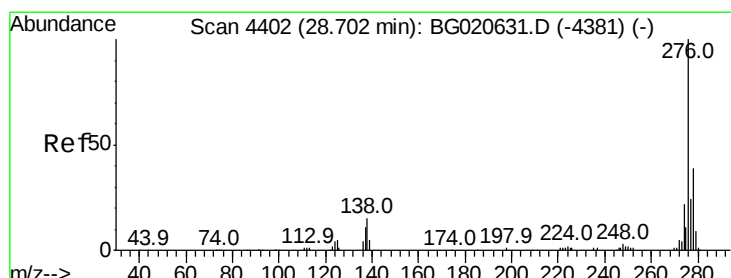
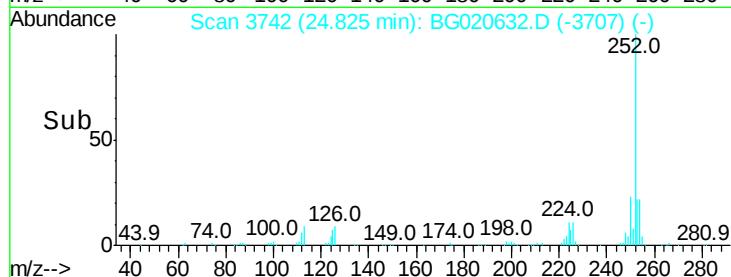
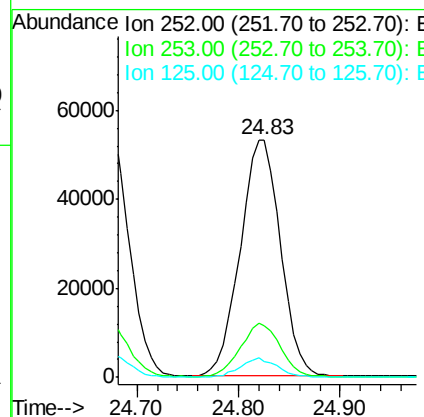
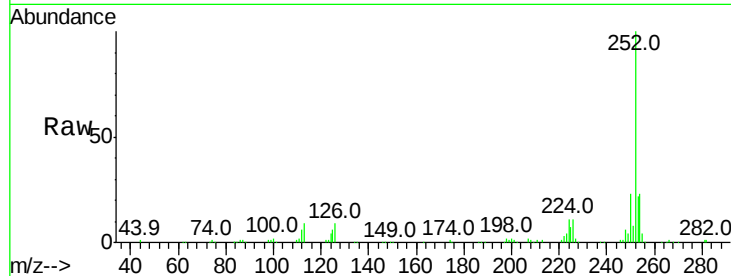
#91
Benzo(a)pyrene
Concen: 14.88 ng/ul
RT: 24.83 min Scan# 3742
Delta R.T. 0.01 min
Lab File: BG020632.D
Acq: 31 Dec 2015 8:46

Instrument :
BNA_G
ClientSampleId :
G9D85DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	6.4	5.8	8.6

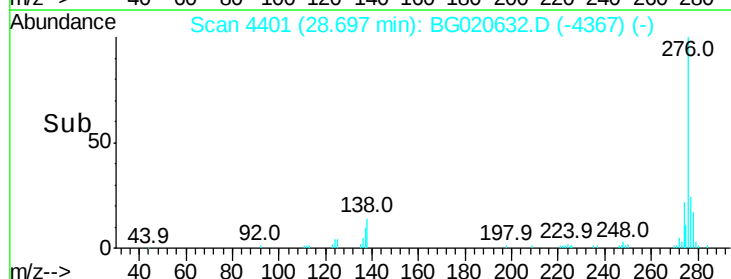
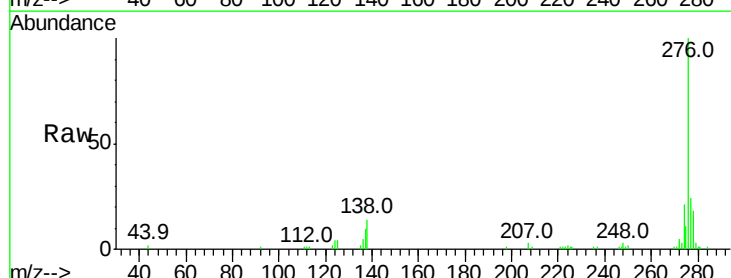
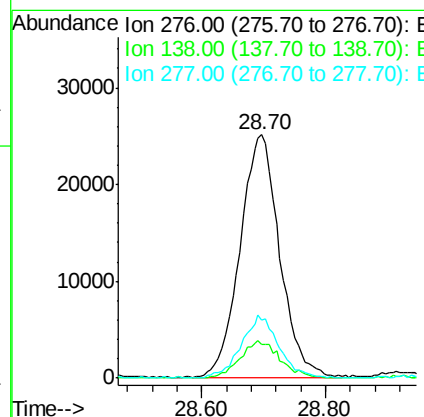
Manual Integrations
APPROVED

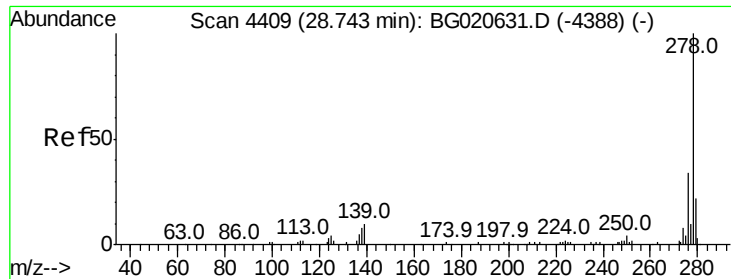
Sohil
12/31/2015 6:37:46 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 9.58 ng/ul
RT: 28.70 min Scan# 4401
Delta R.T. 0.00 min
Lab File: BG020632.D
Acq: 31 Dec 2015 8:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.8	10.9	16.3
277	23.7	18.9	28.3





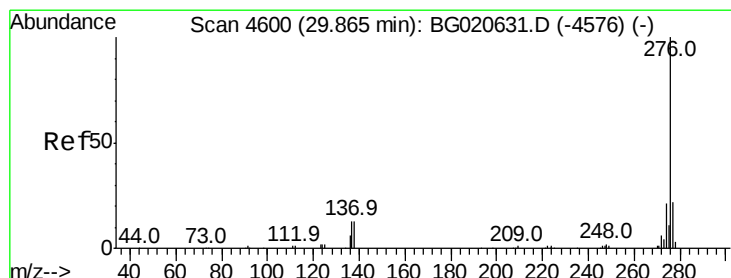
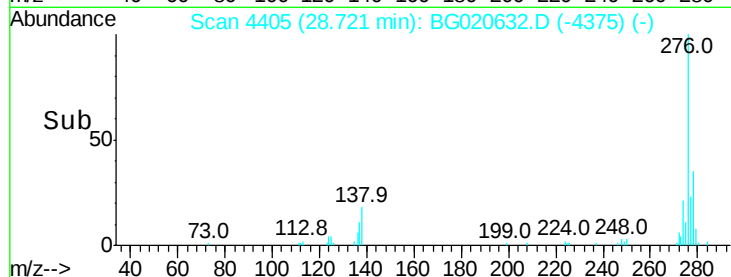
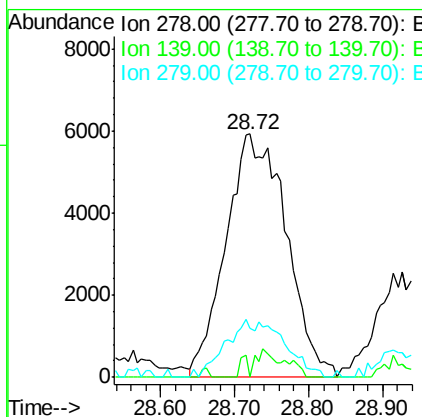
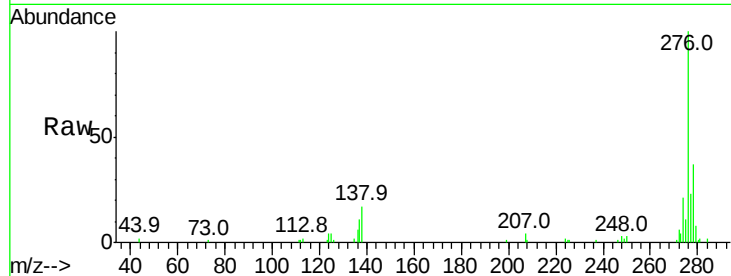
#93
Dibenzo(a,h)anthracene
Concen: 3.43 ng/ul
RT: 28.72 min Scan# 4405
Delta R.T. -0.02 min
Lab File: BG020632.D
Acq: 31 Dec 2015 8:46

Instrument :
BNA_G
ClientSampleId :
G9D85DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	9.0	13.4#
279	20.3	19.1	28.7

Manual Integrations
APPROVED

Sohil
12/31/2015 6:37:46 PM



#94
Benzo(g,h,i)perylene
Concen: 12.55 ng/ul
RT: 29.86 min Scan# 4599
Delta R.T. 0.01 min
Lab File: BG020632.D
Acq: 31 Dec 2015 8:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.6	11.2	16.8
277	23.4	19.0	28.6

