

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122815\
 Data File : BG020584.D
 Acq On : 29 Dec 2015 4:19
 Operator : UM/SJ
 Sample : G4802-10DL 30X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D85DL

Manual Integrations
 APPROVED

UMANGI
 12/29/2015 4:55:38 PM

Quant Time: Dec 29 06:33:41 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 29 05:04:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	13828	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	60278	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	48767	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.45	188	136562	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	170279	20.00	ng/ul	0.00
86) Perylene-d12	24.99	264	165209	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	0.00	99	0d	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	7.39	67	140	0.21	ng/ul	0.00
9) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/ul	
13) 4-Methylphenol-d8	8.80	113	160	0.17	ng/ul	0.02
19) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
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	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	14.11	166	3261	0.81	ng/ul	0.00
47) Acenaphthylene-d8	14.40	160	3964	0.85	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.69	176	3772	1.04	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.55	188	6515m	1.02	ng/ul	0.00
79) Pyrene-d10	19.84	212	6908	0.94	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	7140	0.85	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.94	128	4421	1.38	ng/ul#	92
34) 2-Methylnaphthalene	12.54	142	3017	1.27	ng/ul	91
48) Acenaphthylene	14.43	152	8866	1.81	ng/ul#	91
59) Fluorene	15.75	166	23695	5.94	ng/ul	96
70) Phenanthrene	17.50	178	340577	44.82	ng/ul	99
72) Anthracene	17.59	178	44871	5.77	ng/ul	100
77) Fluoranthene	19.50	202	328100	34.34	ng/ul	98
80) Pyrene	19.86	202	582117	60.45	ng/ul	100
83) Benzo(a)anthracene	21.71	228	221435	22.14	ng/ul	98
85) Chrysene	21.77	228	224927	23.61	ng/ul	98
88) Benzo(b)fluoranthene	23.96	252	215533	21.74	ng/ul	99
89) Benzo(k)fluoranthene	24.01	252	72899m	7.60	ng/ul	
91) Benzo(a)pyrene	24.84	252	139175	14.60	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.73	276	105885	9.28	ng/ul	97
93) Dibenzo(a,h)anthracene	28.76	278	28524	3.01	ng/ul	97
94) Benzo(g,h,i)perylene	29.88	276	115948	12.37	ng/ul	96

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

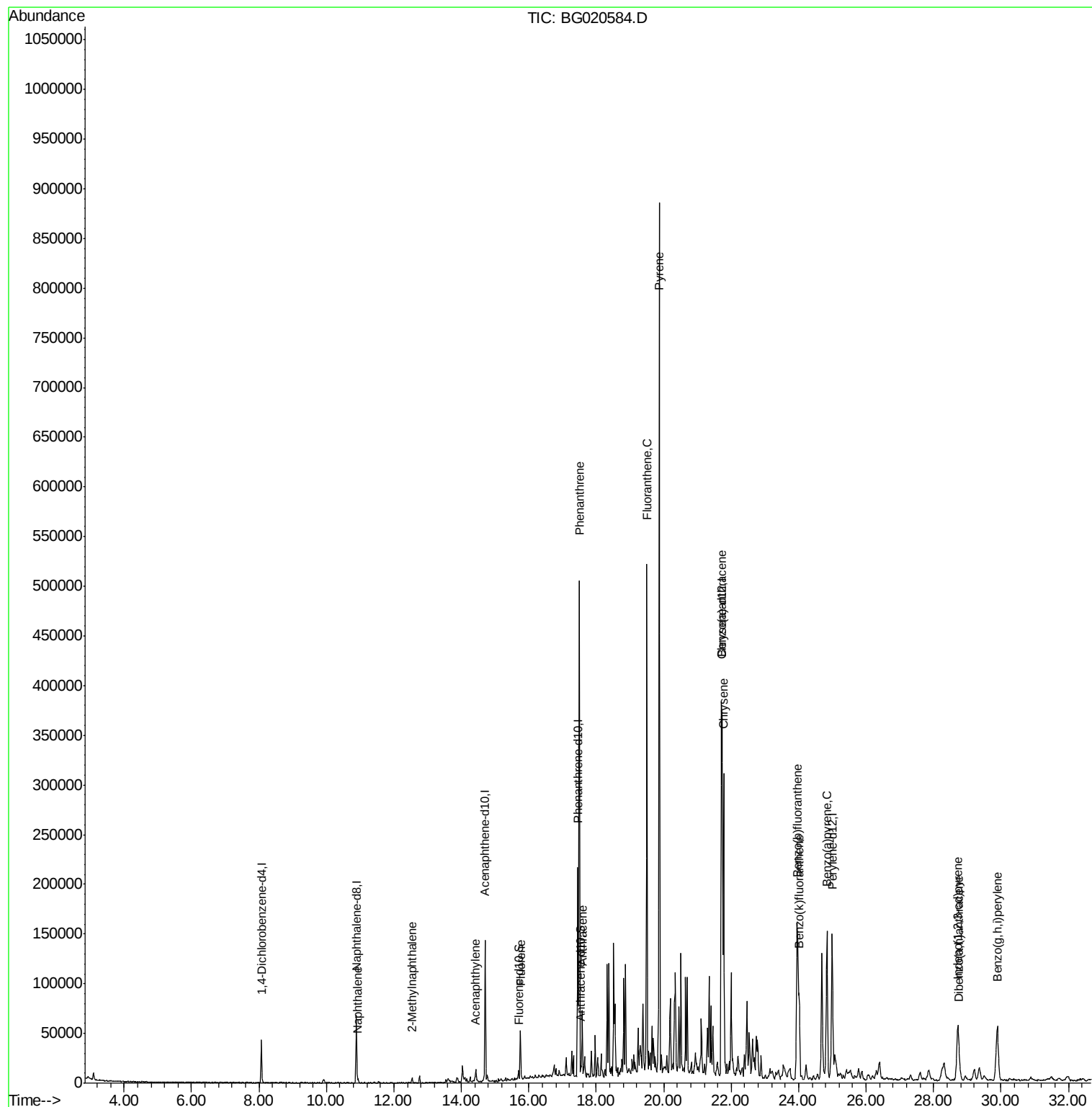
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122815\
Data File : BG020584.D
Acq On : 29 Dec 2015 4:19
Operator : UM/SJ
Sample : G4802-10DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

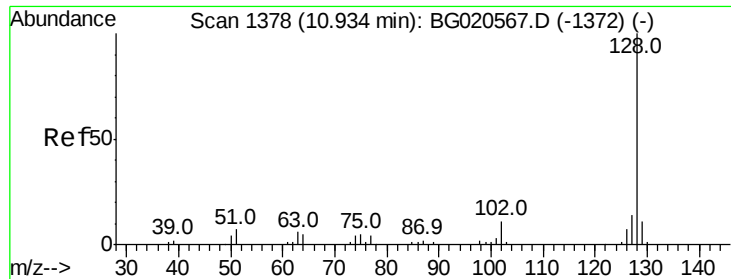
Instrument :
BNA_G
ClientSampleId :
G9D85DL

Manual Integrations
APPROVED

UMANGI
12/29/2015 4:55:38 PM

Quant Time: Dec 29 06:33:41 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 29 05:04:12 2015
Response via : Initial Calibration





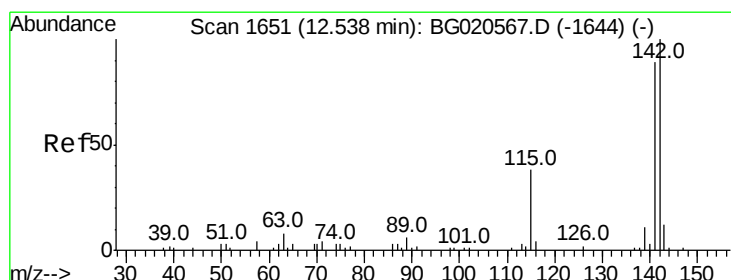
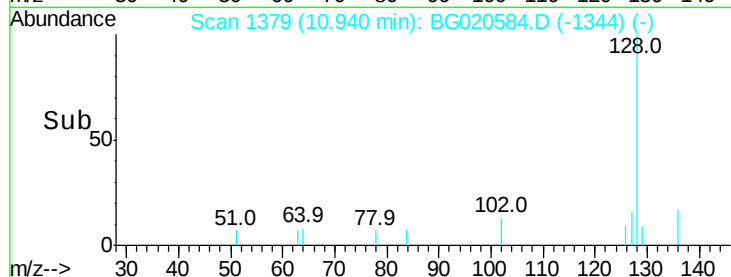
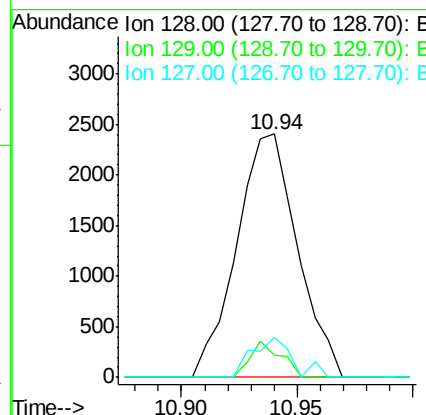
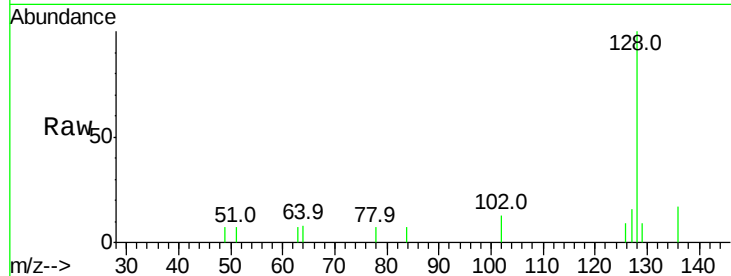
#28
Naphthalene
Concen: 1.38 ng/ul
RT: 10.94 min Scan# 1379
Delta R.T. 0.01 min
Lab File: BG020584.D
Acq: 29 Dec 2015 4:19

Instrument :
BNA_G
ClientSampleId :
G9D85DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	8.9	8.6	12.8
127	16.5	10.1	15.1

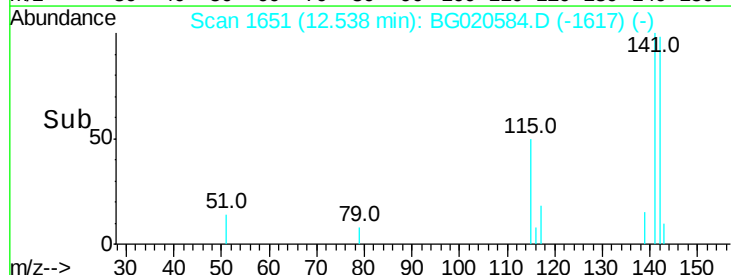
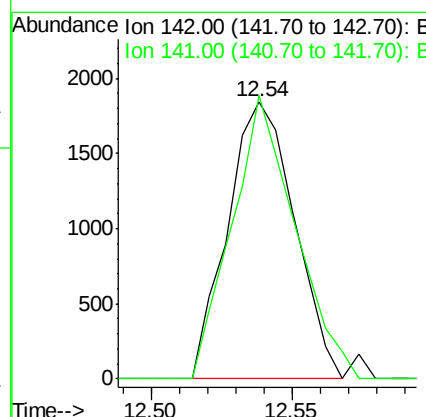
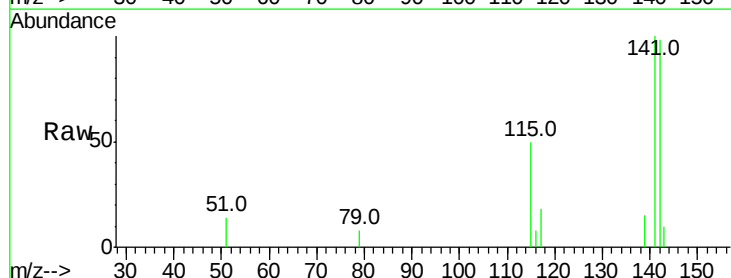
Manual Integrations
APPROVED

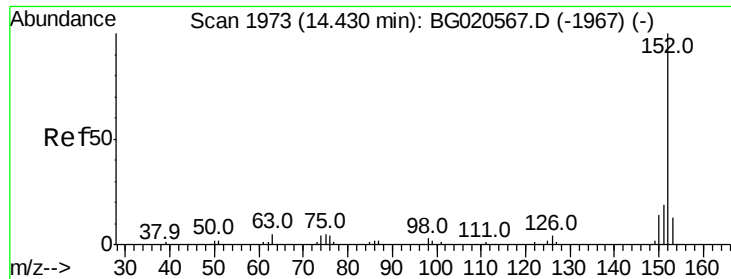
UMANGI
12/29/2015 4:55:38 PM



#34
2-Methylnaphthalene
Concen: 1.27 ng/ul
RT: 12.54 min Scan# 1651
Delta R.T. 0.00 min
Lab File: BG020584.D
Acq: 29 Dec 2015 4:19

Tgt Ion	Ratio	Lower	Upper
142	100		
141	102.2	74.9	112.3





#48

Acenaphthylene

Concen: 1.81 ng/ul

RT: 14.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: BG020584.D

Acq: 29 Dec 2015 4:19

Instrument :

BNA_G

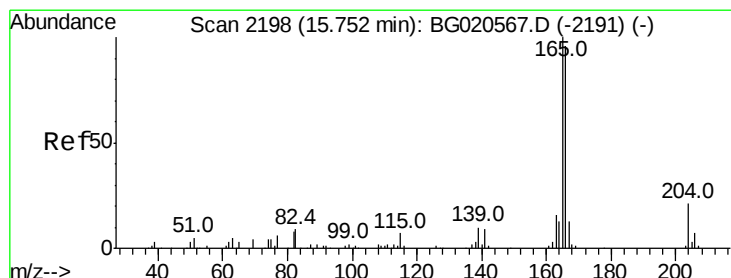
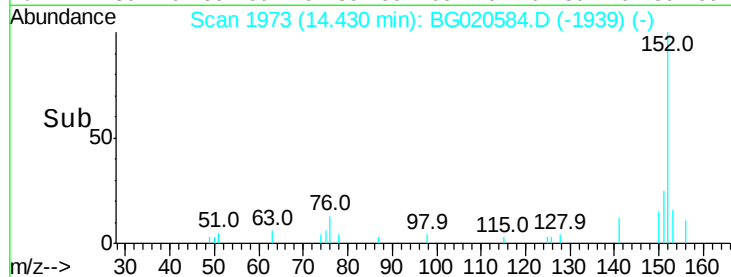
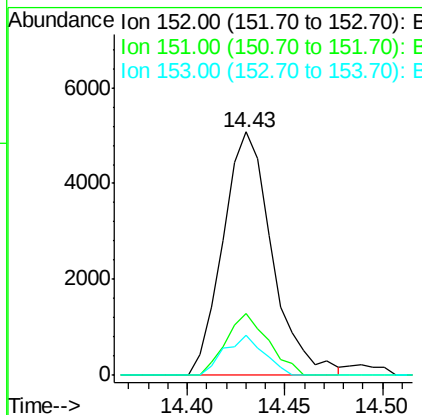
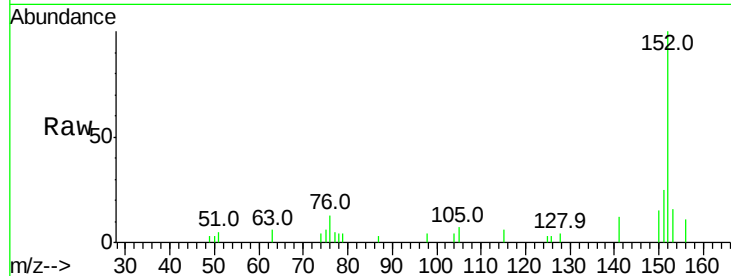
ClientSampleId :

G9D85DL

Tot Ion:	152	Resp:	8866
Ion Ratio	Lower	Upper	
152	100		
151	25.2	16.4	24.6#
153	16.3	10.4	15.6#

Manual Integrations
APPROVED

UMANGI
12/29/2015 4:55:38 PM



#59

Fluorene

Concen: 5.94 ng/ul

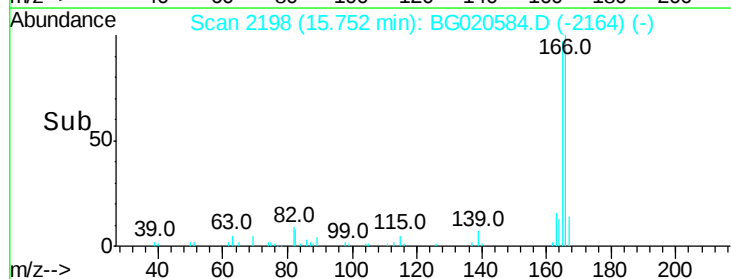
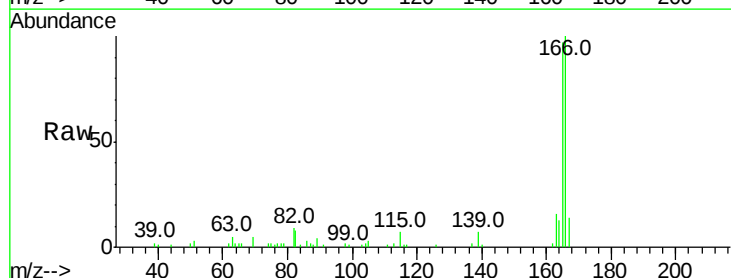
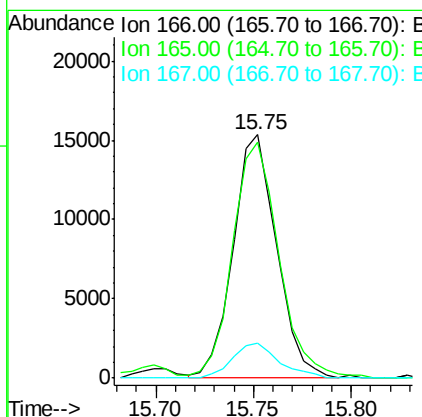
RT: 15.75 min Scan# 2198

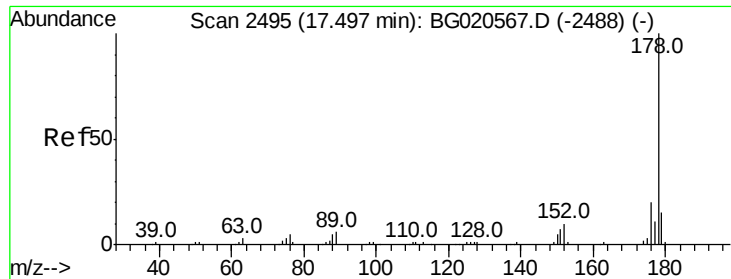
Delta R.T. 0.00 min

Lab File: BG020584.D

Acq: 29 Dec 2015 4:19

Tgt Ion:	166	Resp:	23695
Ion Ratio	Lower	Upper	
166	100		
165	97.1	81.4	122.0
167	14.1	11.2	16.8





#70

Phenanthrene

Concen: 44.82 ng/ul

RT: 17.50 min Scan# 2495

Delta R.T. 0.01 min

Lab File: BG020584.D

Acq: 29 Dec 2015 4:19

Instrument :

BNA_G

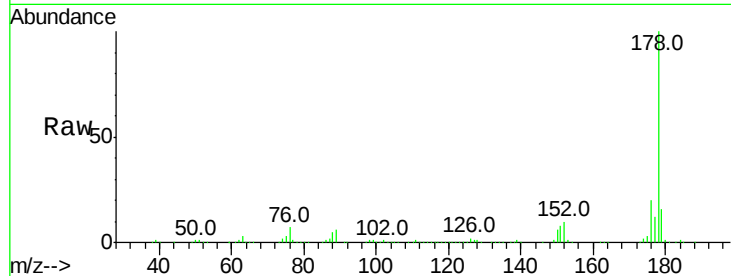
ClientSampleId :

G9D85DL

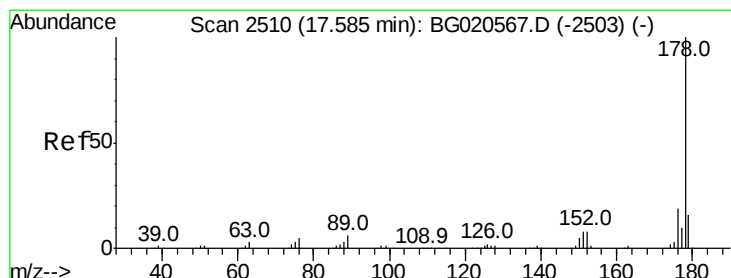
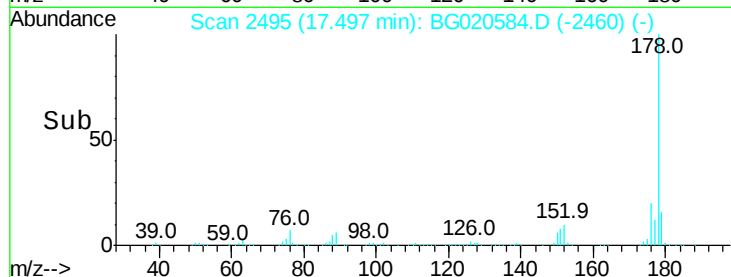
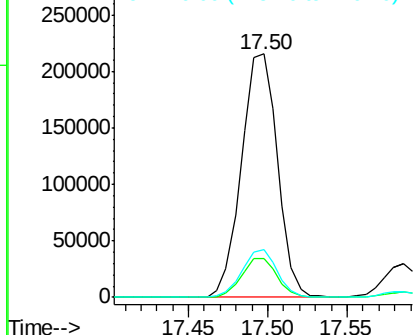
Tot Ion:	178	Resp:	340577
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.9	19.3
176	19.7	15.3	22.9

Manual Integrations
APPROVED

UMANGI
12/29/2015 4:55:38 PM



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



#72

Anthracene

Concen: 5.77 ng/ul

RT: 17.59 min Scan# 2510

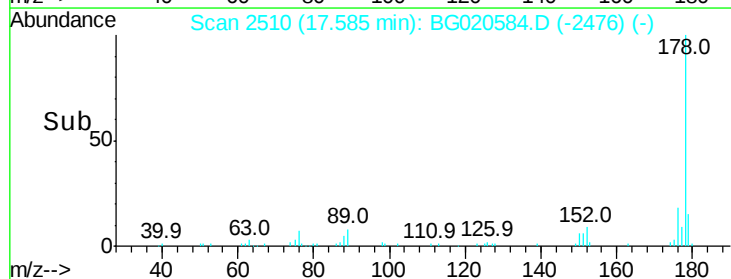
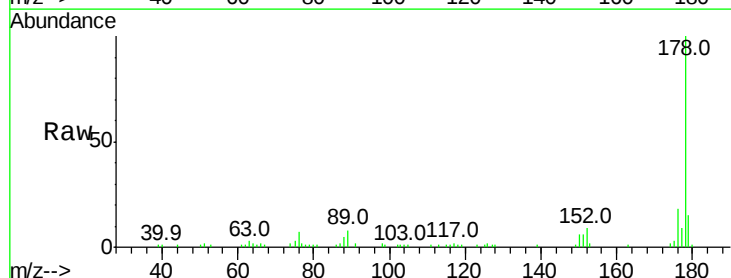
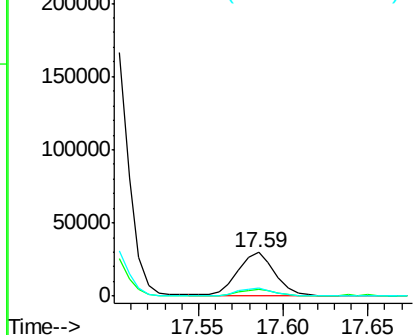
Delta R.T. 0.00 min

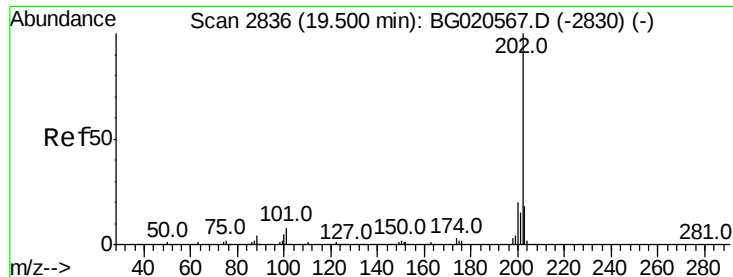
Lab File: BG020584.D

Acq: 29 Dec 2015 4:19

Tgt Ion:	178	Resp:	44871
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.3	18.5
176	17.9	14.3	21.5

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





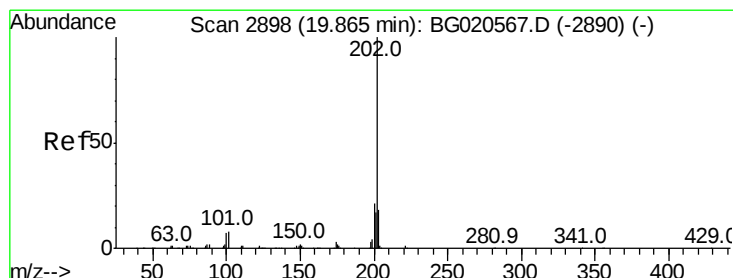
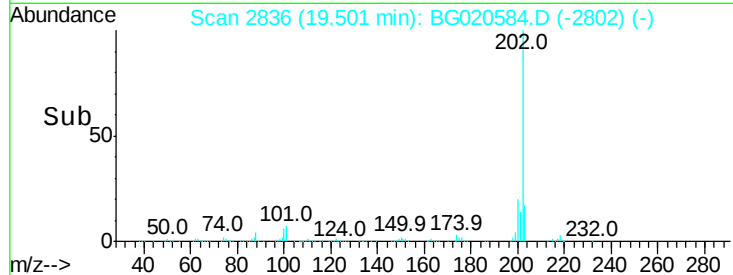
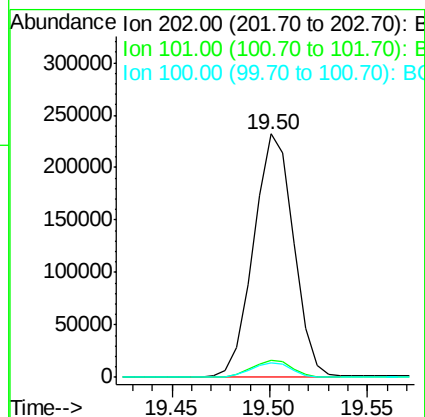
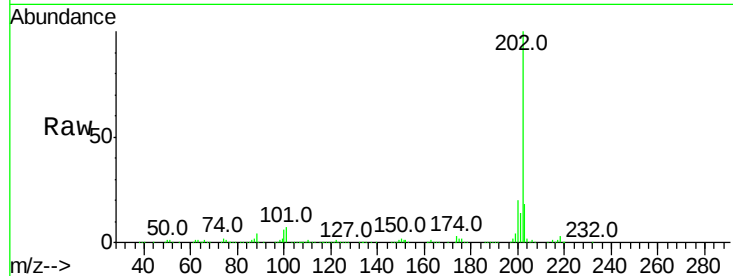
#77
Fluoranthene
 Concen: 34.34 ng/ul
 RT: 19.50 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: BG020584.D
 Acq: 29 Dec 2015 4:19

Instrument :
 BNA_G
 ClientSampleId :
 G9D85DL

Tot Ion	Ion	Ratio	Resp Lower	Resp Upper
202	100			
101	7.2	6.2	9.4	
100	5.8	5.1	7.7	

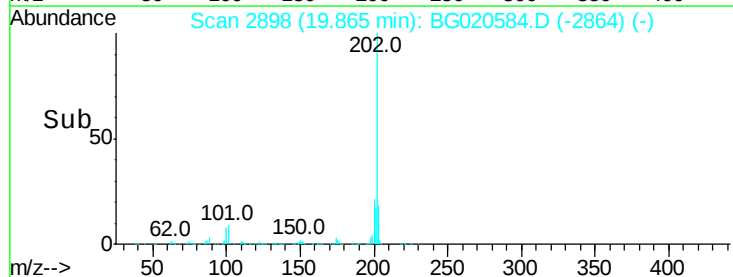
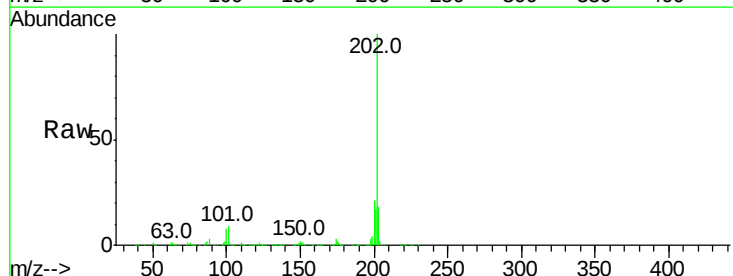
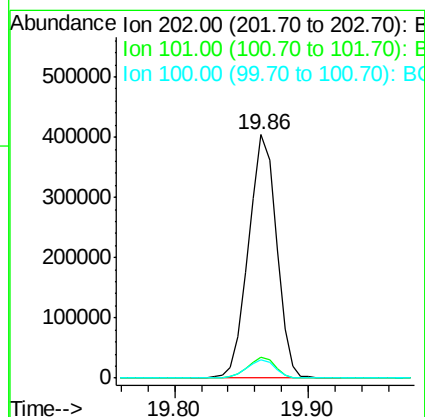
Manual Integrations
 APPROVED

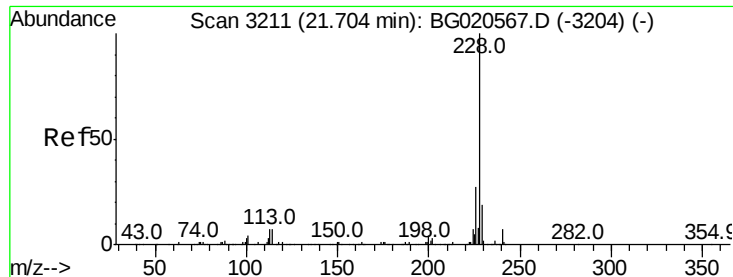
UMANGI
 12/29/2015 4:55:38 PM



#80
Pyrene
 Concen: 60.45 ng/ul
 RT: 19.86 min Scan# 2898
 Delta R.T. 0.00 min
 Lab File: BG020584.D
 Acq: 29 Dec 2015 4:19

Tgt Ion	Ion	Ratio	Resp Lower	Resp Upper
202	100			
101	8.6	7.0	10.4	
100	7.7	6.4	9.6	





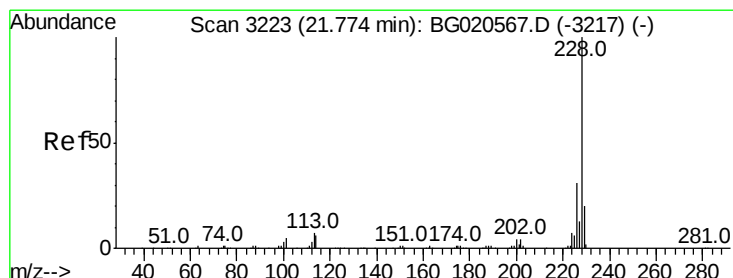
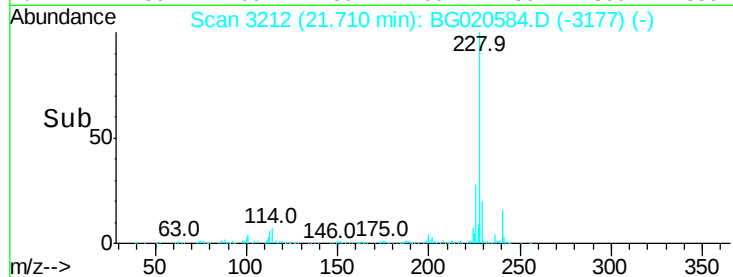
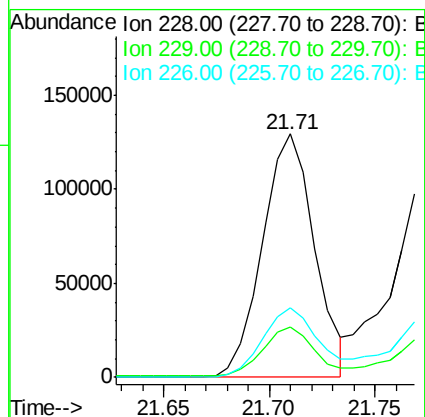
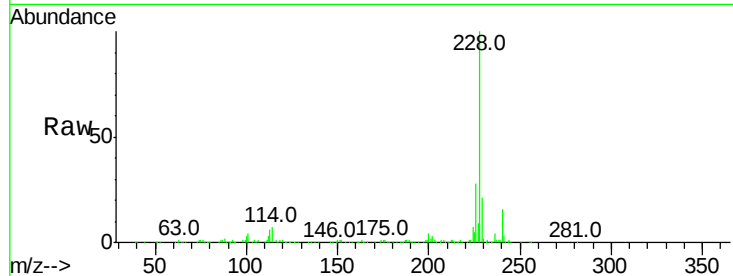
#83
Benzo(a)anthracene
Concen: 22.14 ng/ul
RT: 21.71 min Scan# 3212
Delta R.T. 0.01 min
Lab File: BG020584.D
Acq: 29 Dec 2015 4:19

Instrument :
BNA_G
ClientSampleId :
G9D85DL

Tot Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.7	15.8	23.8
226	28.4	21.8	32.6

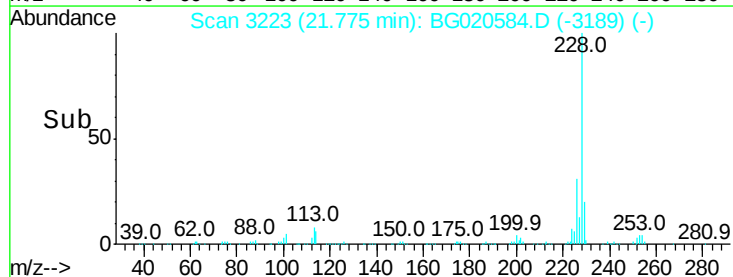
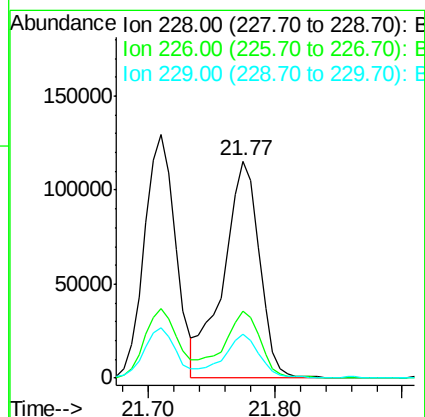
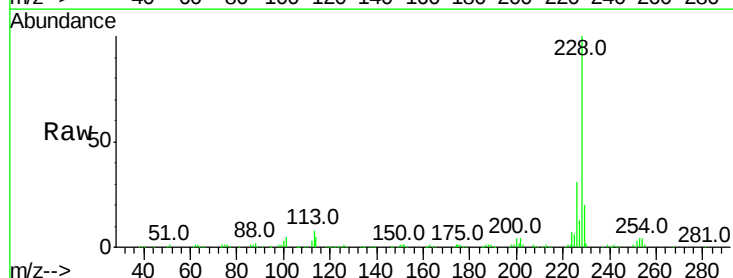
Manual Integrations
APPROVED

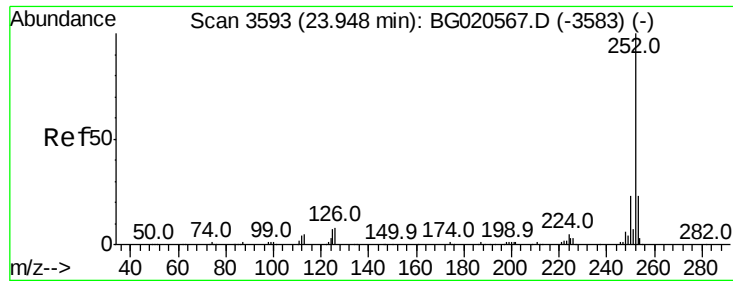
UMANGI
12/29/2015 4:55:38 PM



#85
Chrysene
Concen: 23.61 ng/ul
RT: 21.77 min Scan# 3223
Delta R.T. 0.00 min
Lab File: BG020584.D
Acq: 29 Dec 2015 4:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.7	23.9	35.9
229	20.4	15.6	23.4





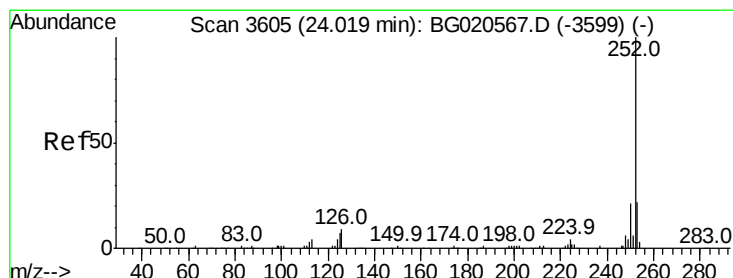
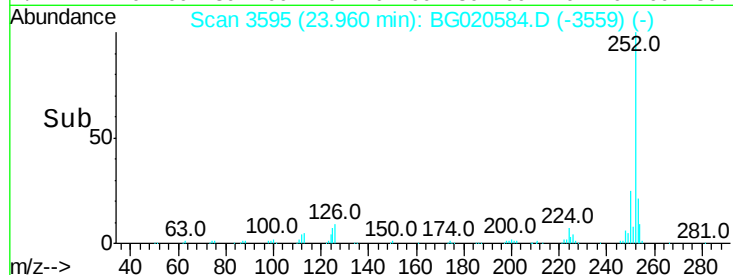
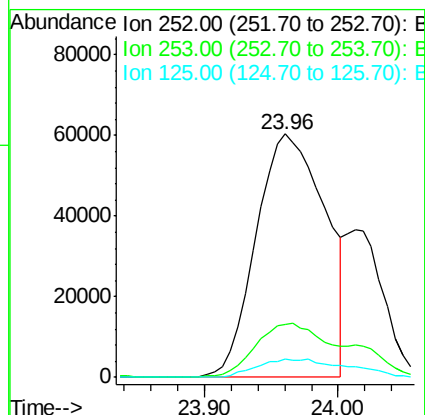
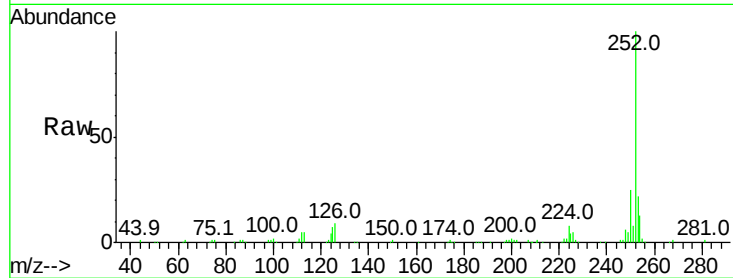
#88
Benzo(b)fluoranthene
Concen: 21.74 ng/ul
RT: 23.96 min Scan# 3595
Delta R.T. 0.01 min
Lab File: BG020584.D
Acq: 29 Dec 2015 4:19

Instrument :
BNA_G
ClientSampleId :
G9D85DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	215533		
253	21.6	16.7	25.1	
125	7.3	6.2	9.2	

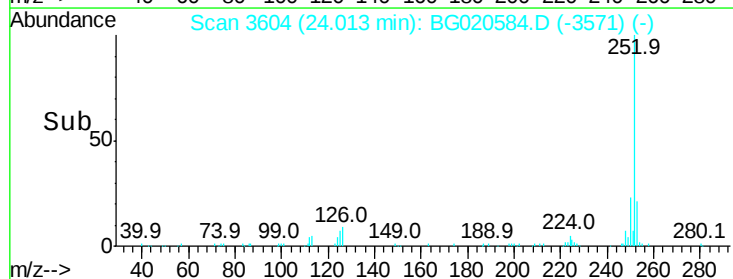
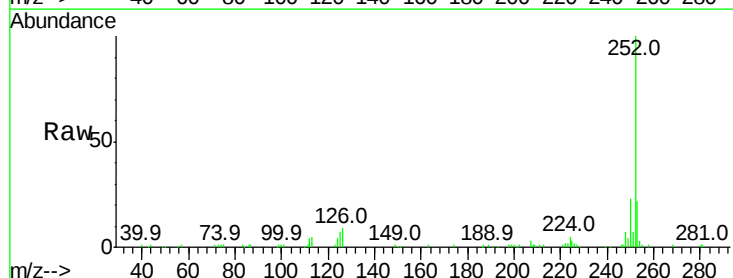
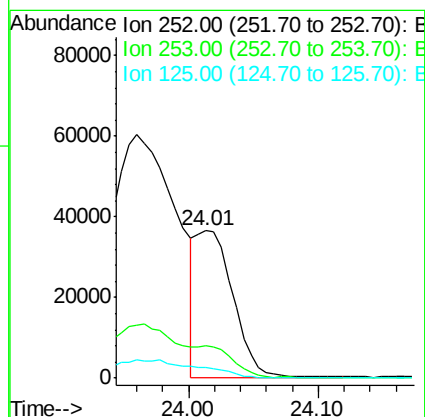
Manual Integrations
APPROVED

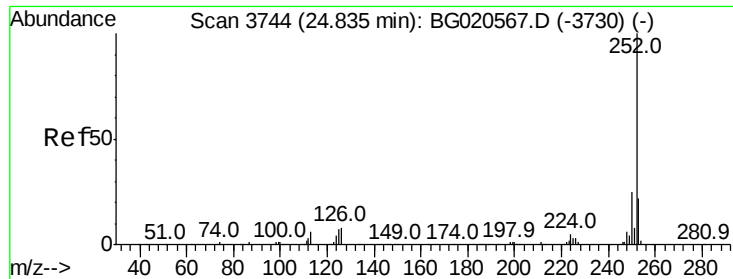
UMANGI
12/29/2015 4:55:38 PM



#89
Benzo(k)fluoranthene
Concen: 7.60 ng/ul m
RT: 24.01 min Scan# 3604
Delta R.T. -0.01 min
Lab File: BG020584.D
Acq: 29 Dec 2015 4:19

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	72899		
253	21.6	17.9	26.9	
125	7.3	5.8	8.6	





#91

Benzo(a)pyrene

Concen: 14.60 ng/ul

RT: 24.84 min Scan# 3745

Delta R.T. 0.01 min

Lab File: BG020584.D

Acq: 29 Dec 2015 4:19

Instrument :

BNA_G

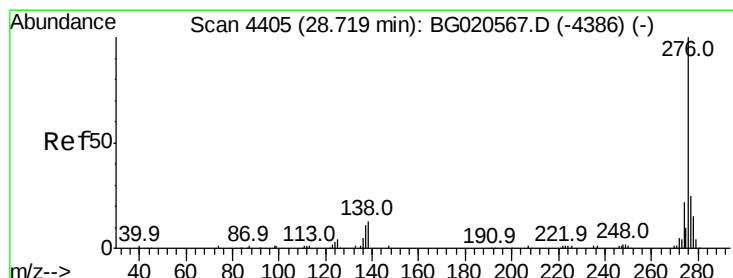
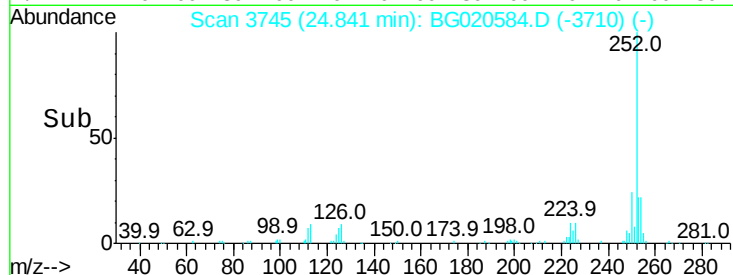
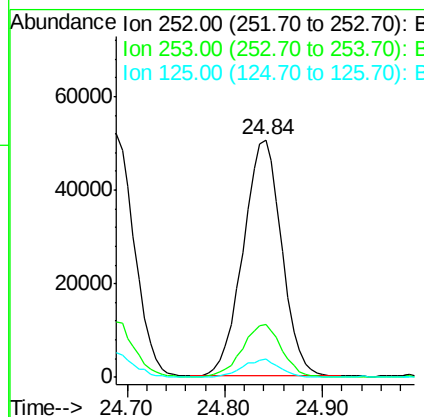
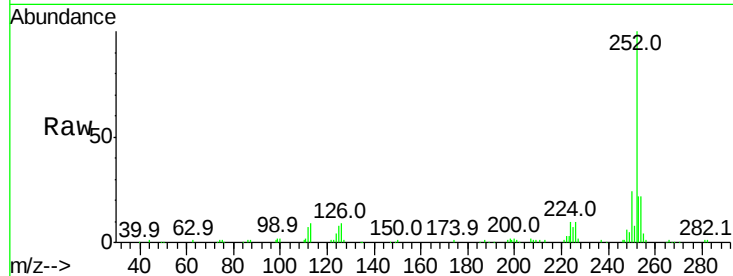
ClientSampleId :

G9D85DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.1	17.0	25.4
125	7.6	6.2	9.4

Manual Integrations
APPROVED

UMANGI
12/29/2015 4:55:38 PM



#92

Indeno(1,2,3-cd)pyrene

Concen: 9.28 ng/ul

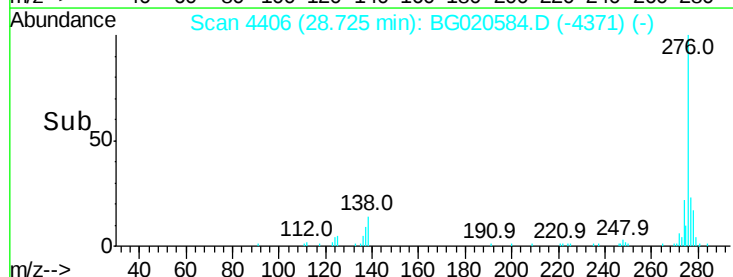
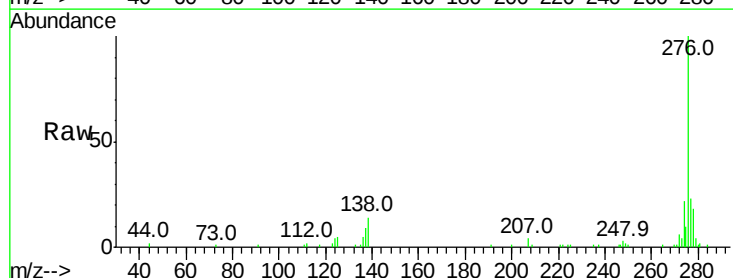
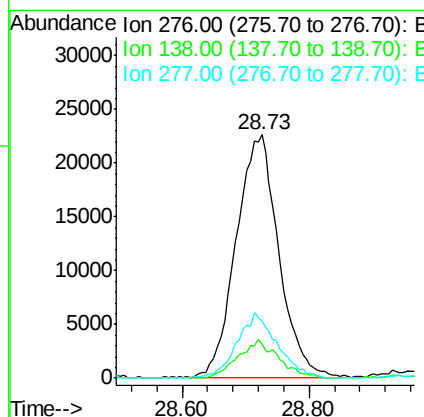
RT: 28.73 min Scan# 4406

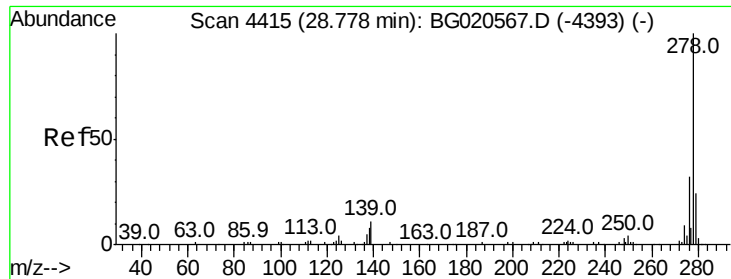
Delta R.T. 0.01 min

Lab File: BG020584.D

Acq: 29 Dec 2015 4:19

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	13.7	11.4	17.0
277	23.5	17.4	26.0





#93

Dibenzo(a,h)anthracene

Concen: 3.01 ng/ul

RT: 28.76 min Scan# 4412

Delta R.T. -0.01 min

Lab File: BG020584.D

Acq: 29 Dec 2015 4:19

Instrument :

BNA_G

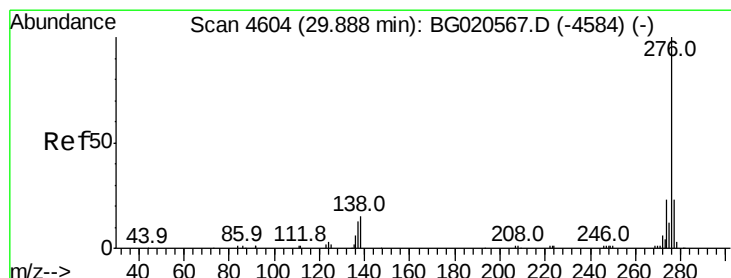
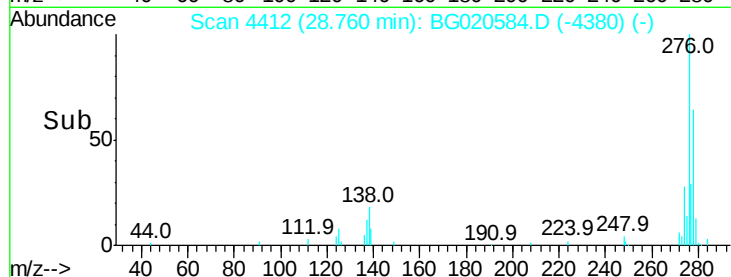
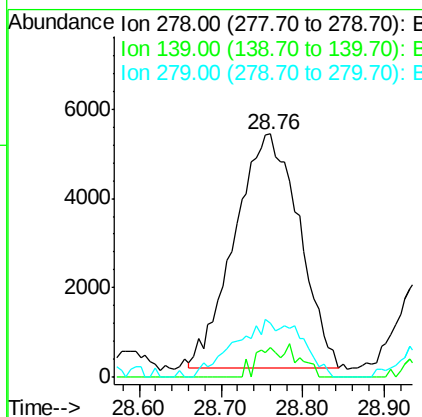
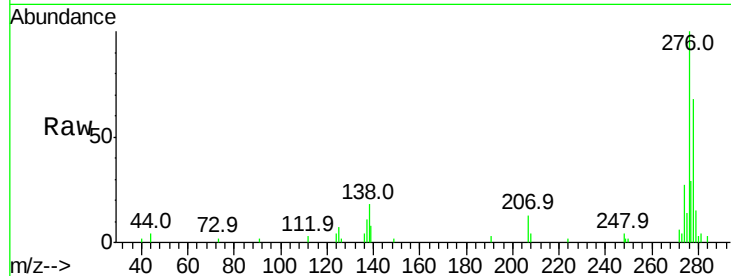
ClientSampleId :

G9D85DL

Tot Ion:	278	Resp:	28524
Ion Ratio	Lower	Upper	
278	100		
139	12.1	9.4	14.2
279	22.3	19.4	29.0

Manual Integrations
APPROVED

UMANGI
12/29/2015 4:55:38 PM



#94

Benzo(g,h,i)perylene

Concen: 12.37 ng/ul

RT: 29.88 min Scan# 4603

Delta R.T. -0.01 min

Lab File: BG020584.D

Acq: 29 Dec 2015 4:19

Tgt Ion:	276	Resp:	115948
Ion Ratio	Lower	Upper	
276	100		
138	13.9	10.8	16.2
277	22.4	19.9	29.9

