

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020446.D
 Acq On : 23 Dec 2015 16:48
 Operator : UM/SJ
 Sample : G4848-02DL 25X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N48DL

Manual Integrations
 APPROVED

Sohil
 12/24/2015 5:32:15 PM

Quant Time: Dec 23 17:54:37 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 22 05:02:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	20970	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	89578	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.72	164	65879	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	163093	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	204485	20.00	ng/ul	-0.01
86) Perylene-d12	25.00	264	191418	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.24	99	1330	0.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	932	0.84	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.61	132	1217	0.90	ng/ul	-0.01
13) 4-Methylphenol-d8	8.80	113	1085	0.69	ng/ul	-0.01
19) Nitrobenzene-d5	9.25	128	471	0.67	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	664	0.85	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.52	165	613	0.39	ng/ul	-0.01
29) 4-Chloroaniline-d4	11.05	131	1400	0.79	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	6093	1.14	ng/ul	-0.01
47) Acenaphthylene-d8	14.41	160	6681	1.08	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.70	176	6065	1.25	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.56	188	9106	1.21	ng/ul	0.00
79) Pyrene-d10	19.84	212	9475	0.99	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	10351	1.08	ng/ul	-0.02

Target Compounds

						Ovalue
28) Naphthalene	10.95	128	176494	37.73	ng/ul	98
34) 2-Methylnaphthalene	12.55	142	54147	15.15	ng/ul	94
41) 1,1'-Biphenyl	13.55	154	23172	4.66	ng/ul	92
48) Acenaphthylene	14.44	152	6784	1.03	ng/ul#	93
50) Acenaphthene	14.78	153	102299	23.08	ng/ul	96
54) Dibenzofuran	15.11	168	108070	16.39	ng/ul	98
59) Fluorene	15.76	166	104351	19.71	ng/ul	96
70) Phenanthrene	17.51	178	486633	54.55	ng/ul	100
72) Anthracene	17.60	178	30489	3.37	ng/ul	99
75) Carbazole	17.86	167	19485	2.56	ng/ul	95
77) Fluoranthene	19.51	202	298636	28.64	ng/ul	97
80) Pyrene	19.87	202	193631	15.65	ng/ul	98
83) Benzo(a)anthracene	21.72	228	46784	3.92	ng/ul	100
85) Chrysene	21.78	228	38179	3.40	ng/ul	96
88) Benzo(b)fluoranthene	23.96	252	19905m	1.73	ng/ul	
91) Benzo(a)pyrene	24.84	252	12186	1.12	ng/ul	94

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

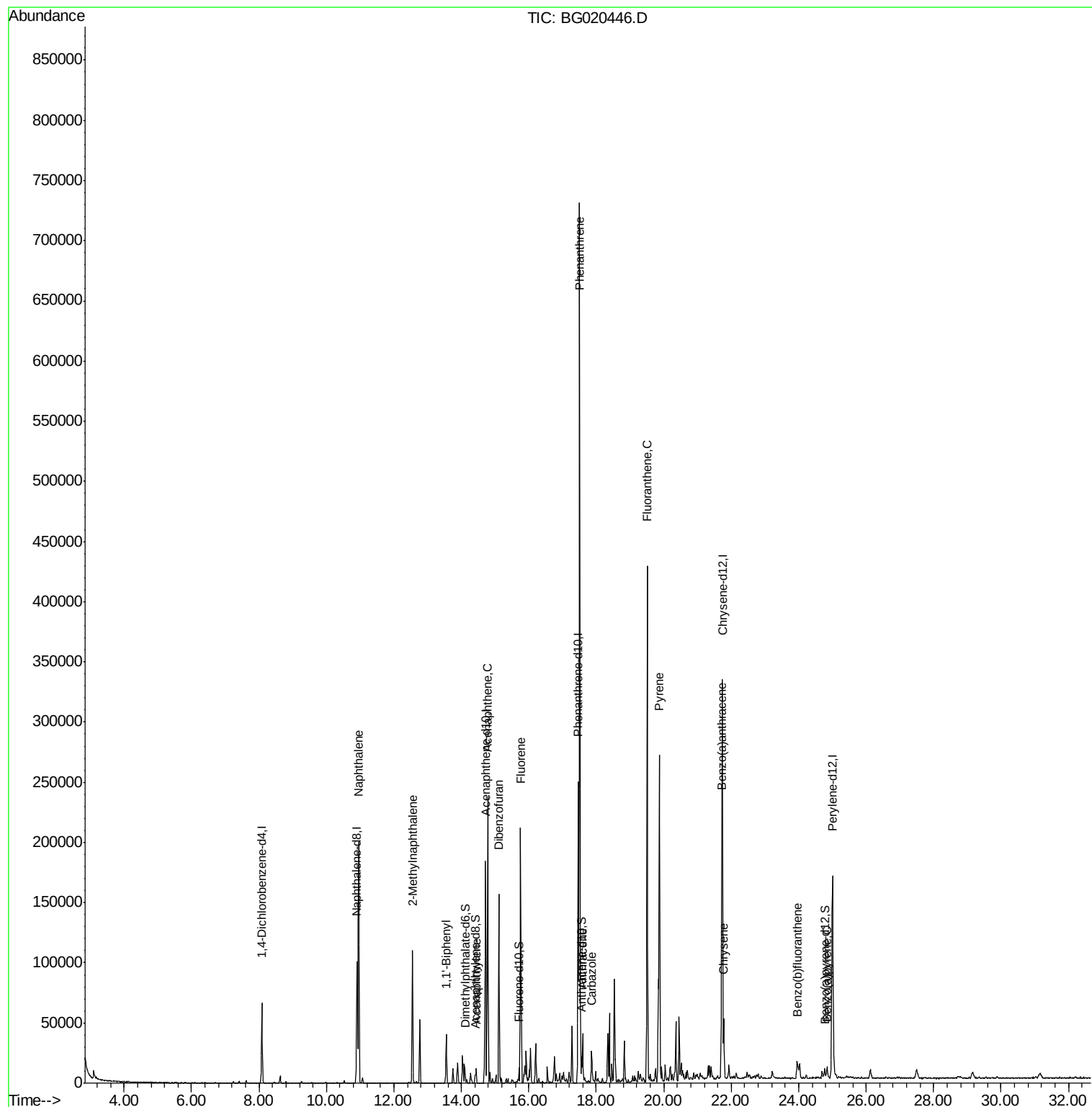
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020446.D
Acq On : 23 Dec 2015 16:48
Operator : UM/SJ
Sample : G4848-02DL 25X
Misc :
ALS Vial : 37 Sample Multiplier: 1

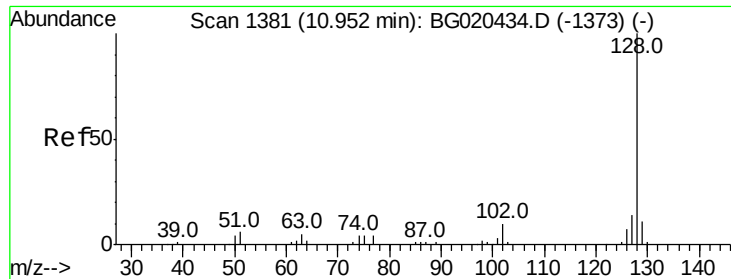
Instrument :
BNA_G
ClientSampleId :
D9N48DL

Manual Integrations
APPROVED

Sohil
12/24/2015 5:32:15 PM

Quant Time: Dec 23 17:54:37 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 22 05:02:37 2015
Response via : Initial Calibration





#28

Naphthalene

Concen: 37.73 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. -0.01 min

Lab File: BG020446.D

Acq: 23 Dec 2015 16:48

Instrument :

BNA_G

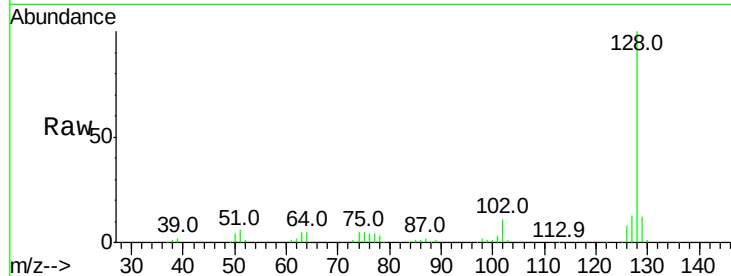
ClientSampleId :

D9N48DL

Tot Ion:	128	Resp:	176494
Ion Ratio	Lower	Upper	
128	100		
129	12.0	8.6	12.8
127	13.0	10.1	15.1

Manual Integrations
APPROVED

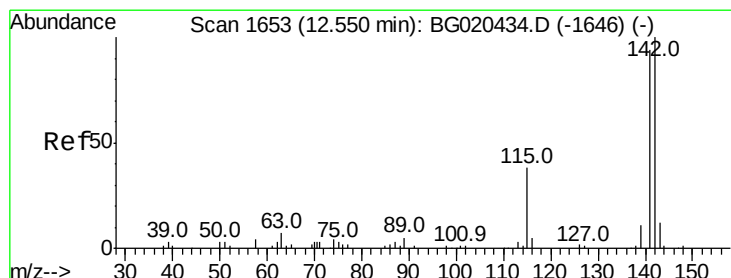
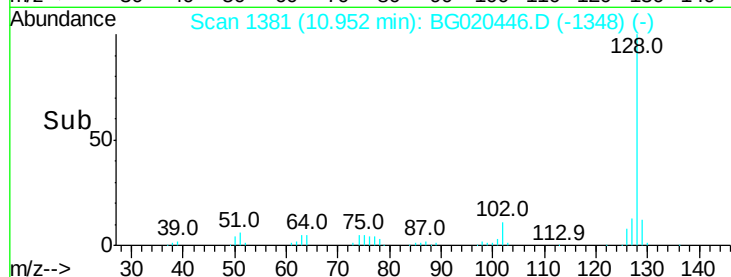
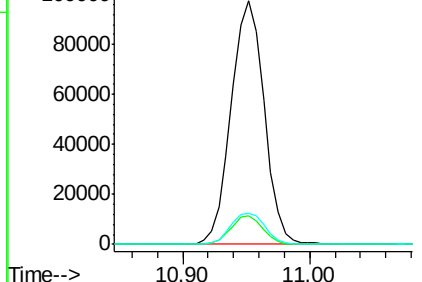
Sohil
12/24/2015 5:32:15 PM



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: 15.15 ng/ul

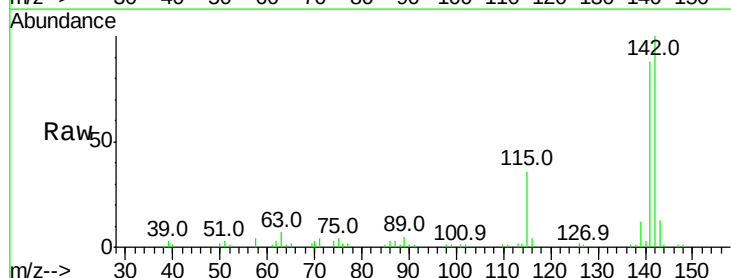
RT: 12.55 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BG020446.D

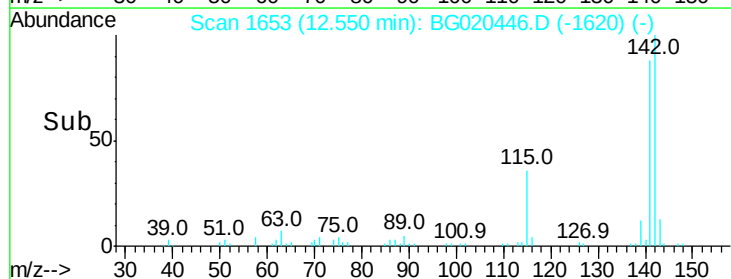
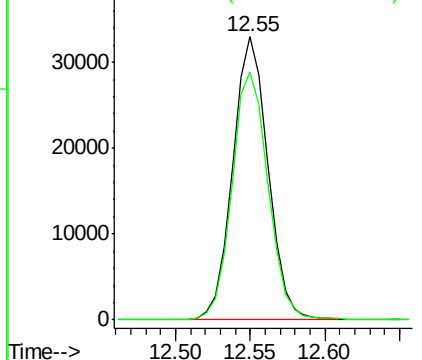
Acq: 23 Dec 2015 16:48

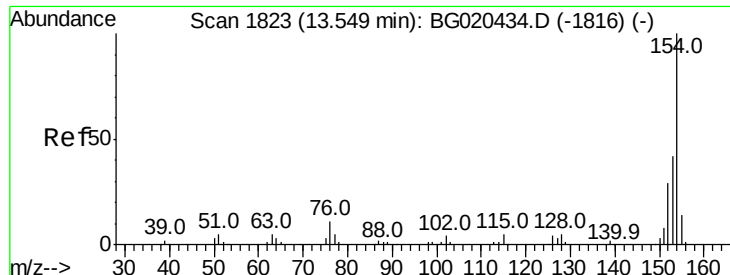
Tgt Ion:	142	Resp:	54147
Ion Ratio	Lower	Upper	
142	100		
141	87.6	74.9	112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





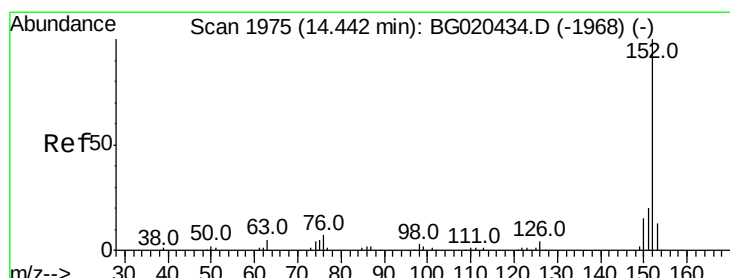
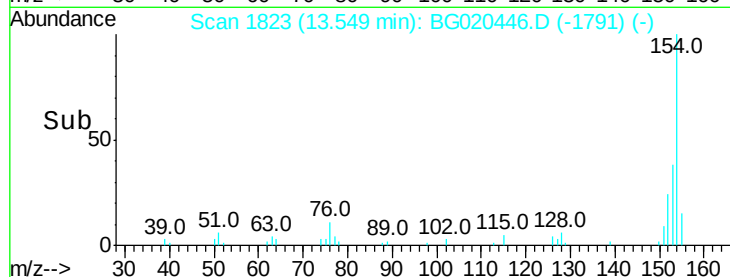
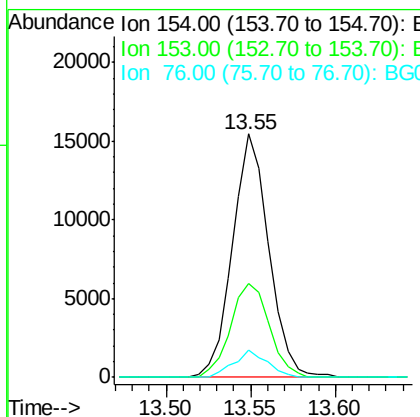
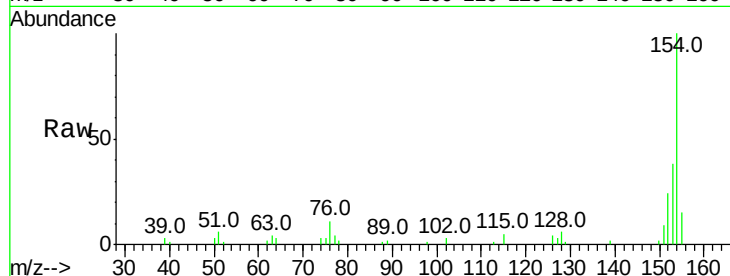
#41
 1,1'-Biphenyl
 Concen: 4.66 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BG020446.D
 Acq: 23 Dec 2015 16:48

Instrument :
 BNA_G
 ClientSampleId :
 D9N48DL

Tot Ion:	154	Resp:	23172
Ion Ratio	Lower	Upper	
154	100		
153	38.4	35.5	53.3
76	11.2	10.4	15.6

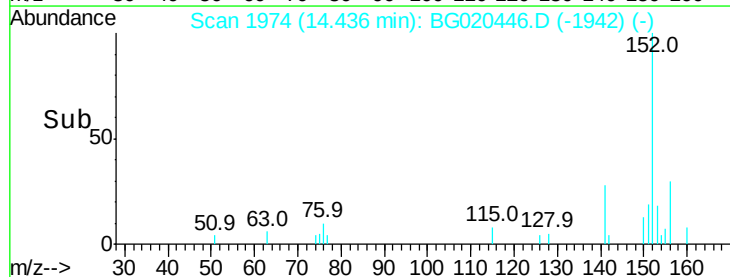
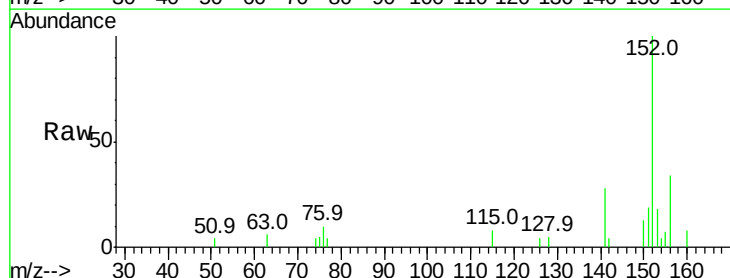
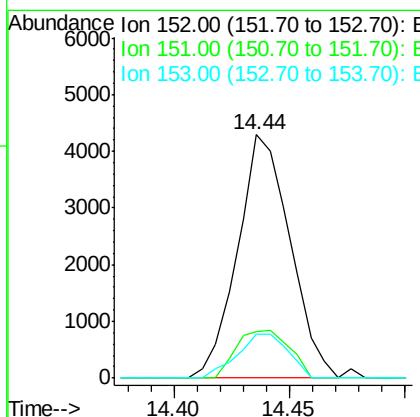
Manual Integrations
 APPROVED

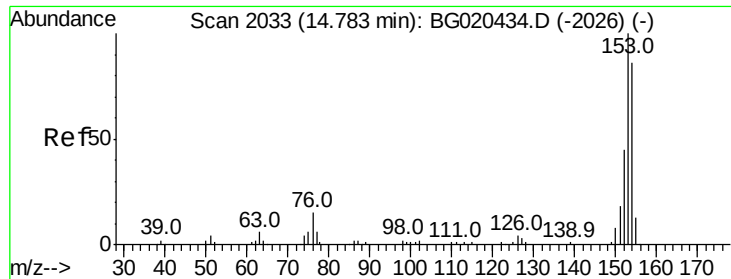
Sohil
 12/24/2015 5:32:15 PM



#48
 Acenaphthylene
 Concen: 1.03 ng/ul
 RT: 14.44 min Scan# 1974
 Delta R.T. -0.01 min
 Lab File: BG020446.D
 Acq: 23 Dec 2015 16:48

Tgt Ion:	152	Resp:	6784
Ion Ratio	Lower	Upper	
152	100		
151	19.2	16.4	24.6
153	18.3	10.4	15.6#





#50

Acenaphthene

Concen: 23.08 ng/ul

RT: 14.78 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BG020446.D

Acq: 23 Dec 2015 16:48

Instrument :

BNA_G

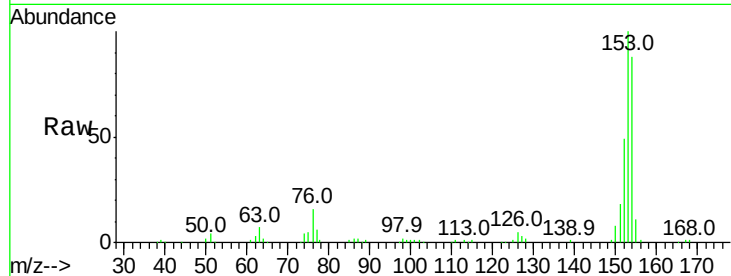
ClientSampleId :

D9N48DL

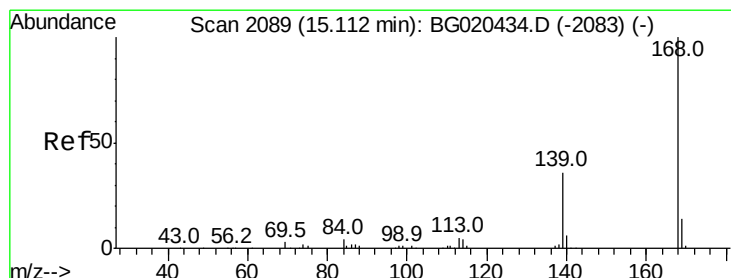
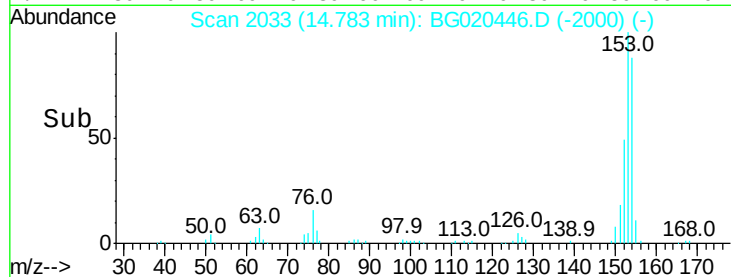
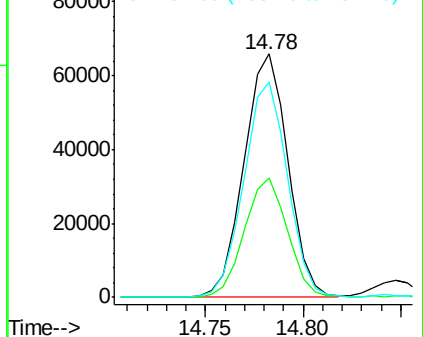
Tot Ion:	153	Resp:	102299
Ion Ratio	Lower	Upper	
153	100		
152	49.2	37.6	56.4
154	88.4	67.9	101.9

Manual Integrations
APPROVED

Sohil
12/24/2015 5:32:15 PM



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 16.39 ng/ul

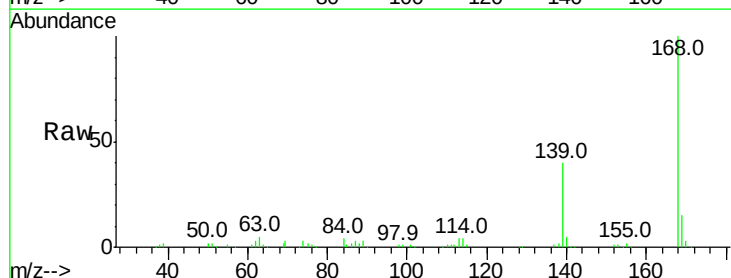
RT: 15.11 min Scan# 2089

Delta R.T. -0.01 min

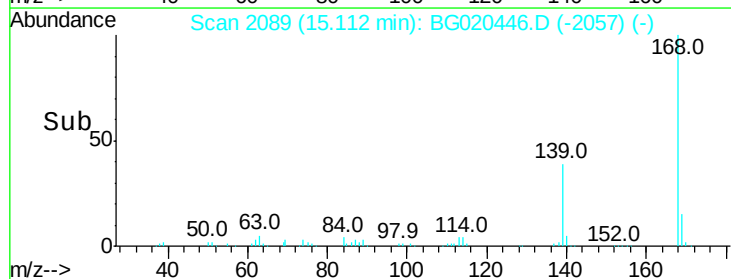
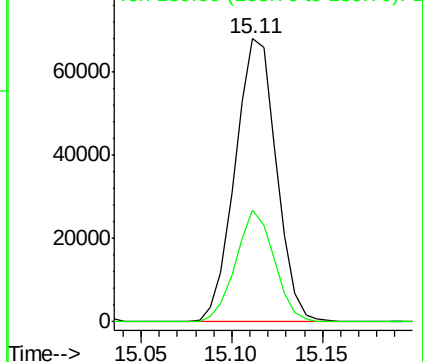
Lab File: BG020446.D

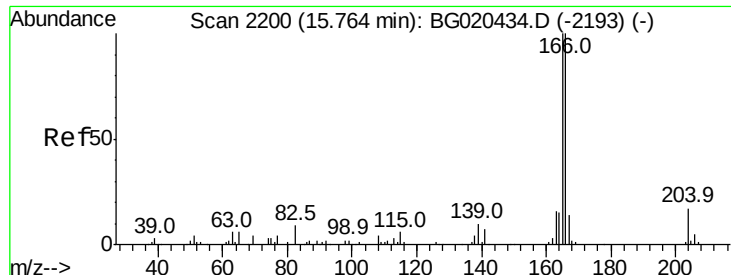
Acq: 23 Dec 2015 16:48

Tgt Ion:	168	Resp:	108070
Ion Ratio	Lower	Upper	
168	100		
139	39.5	30.5	45.7



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 19.71 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BG020446.D

Acq: 23 Dec 2015 16:48

Instrument :

BNA_G

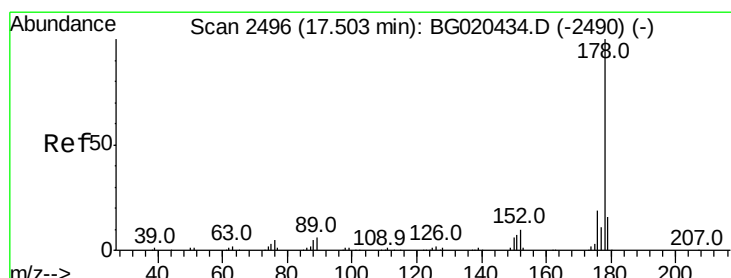
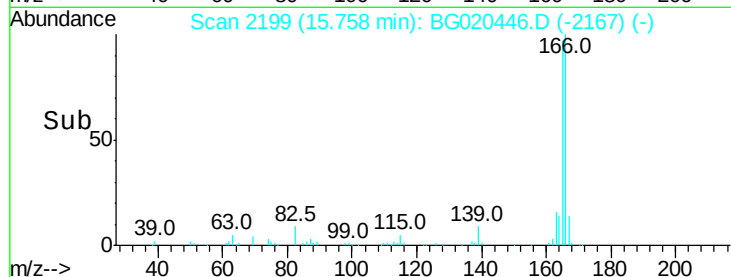
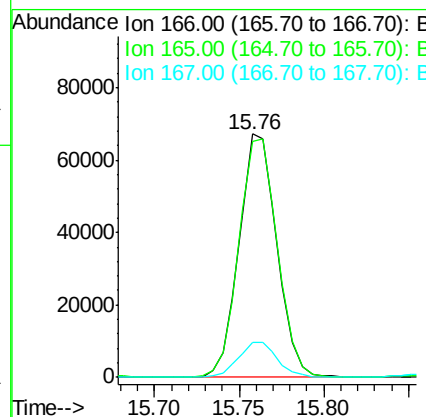
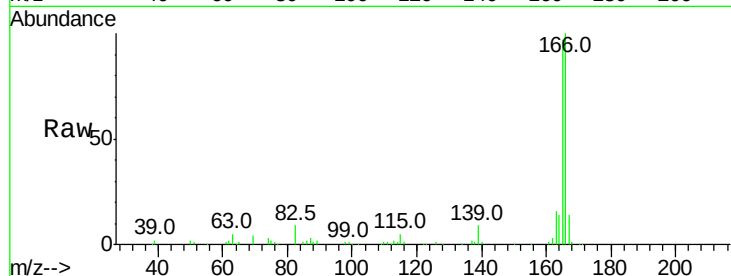
ClientSampleId :

D9N48DL

Tot Ion:	166	Resp:	104351
Ion Ratio	Lower	Upper	
166	100		
165	96.8	81.4	122.0
167	14.2	11.2	16.8

Manual Integrations
APPROVED

Sohil
12/24/2015 5:32:15 PM



#70

Phenanthrene

Concen: 54.55 ng/ul

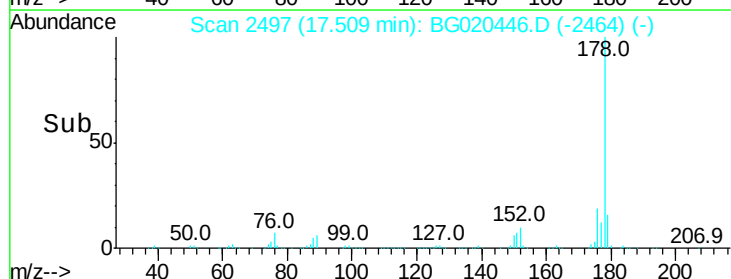
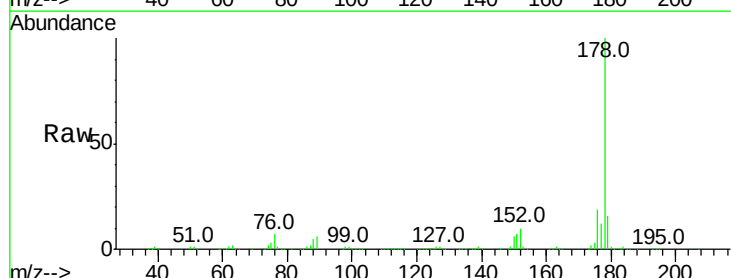
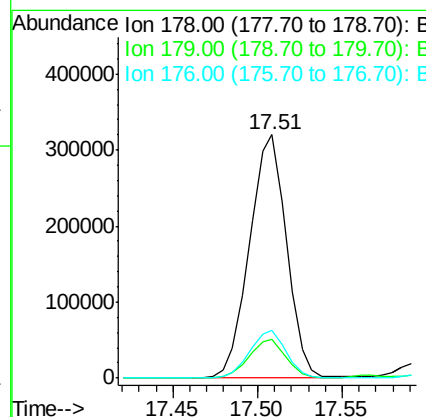
RT: 17.51 min Scan# 2497

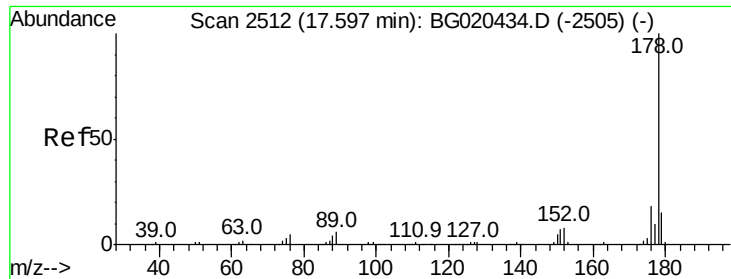
Delta R.T. -0.01 min

Lab File: BG020446.D

Acq: 23 Dec 2015 16:48

Tgt Ion:	178	Resp:	486633
Ion Ratio	Lower	Upper	
178	100		
179	16.0	12.9	19.3
176	19.4	15.3	22.9





#72

Anthracene

Concen: 3.37 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BG020446.D

Acq: 23 Dec 2015 16:48

Instrument :

BNA_G

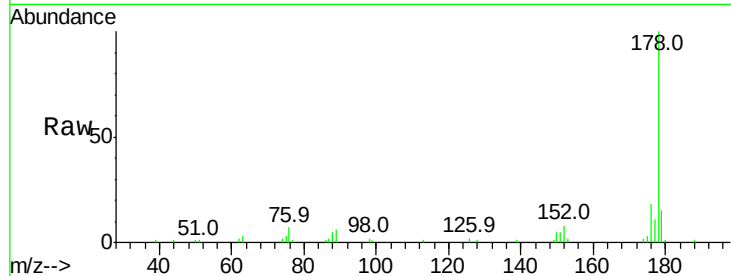
ClientSampled :

D9N48DL

Tot Ion:	178	Resp:	30489
Ion Ratio	Lower	Upper	
178	100		
179	14.8	12.3	18.5
176	18.1	14.3	21.5

Manual Integrations
APPROVED

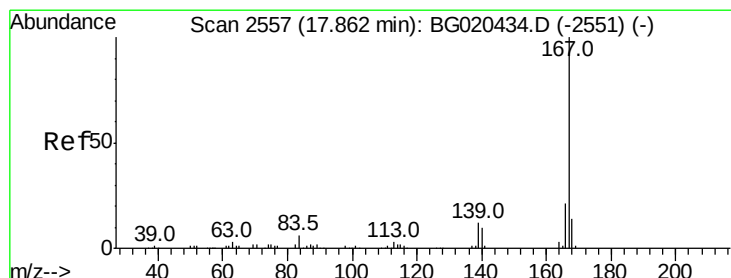
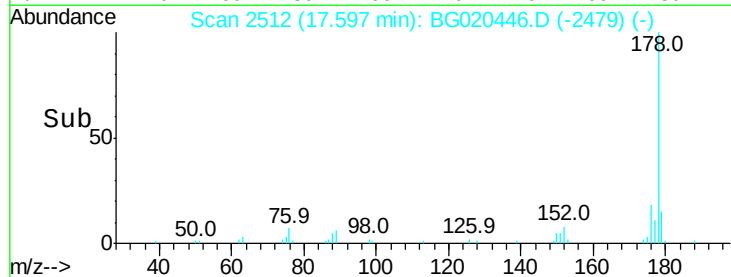
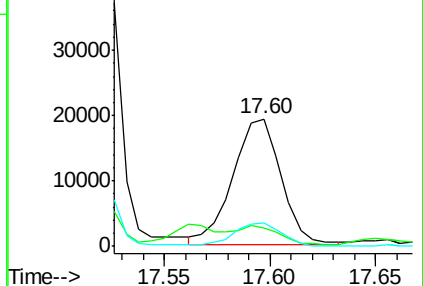
Sohil
12/24/2015 5:32:15 PM



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



#75

Carbazole

Concen: 2.56 ng/ul

RT: 17.86 min Scan# 2557

Delta R.T. -0.01 min

Lab File: BG020446.D

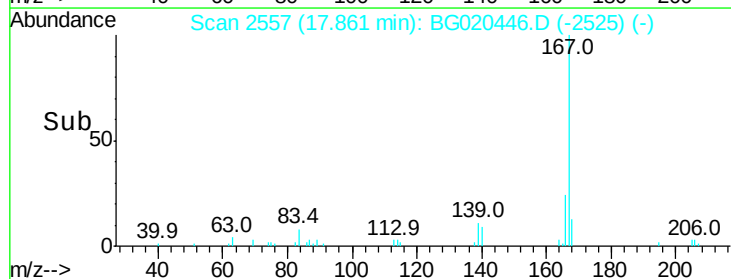
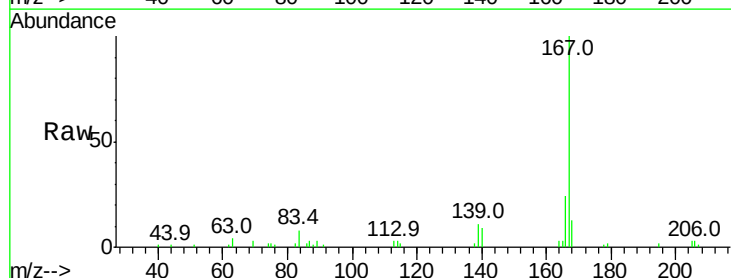
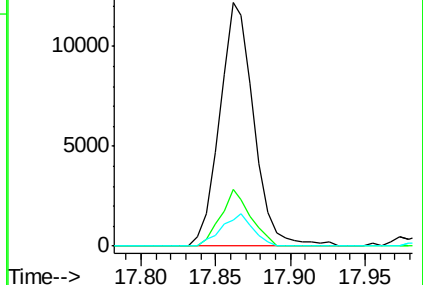
Acq: 23 Dec 2015 16:48

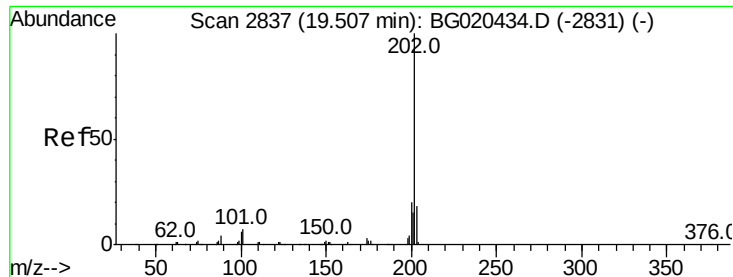
Tgt Ion:	167	Resp:	19485
Ion Ratio	Lower	Upper	
167	100		
166	23.5	17.0	25.6
139	10.6	10.1	15.1

Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





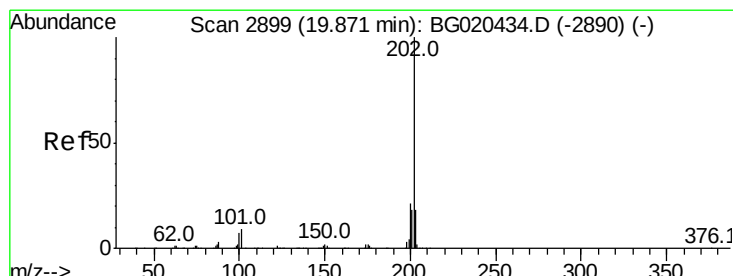
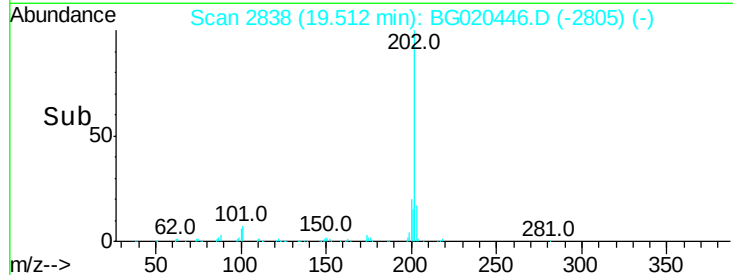
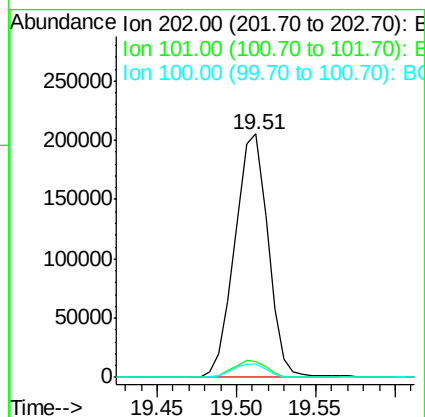
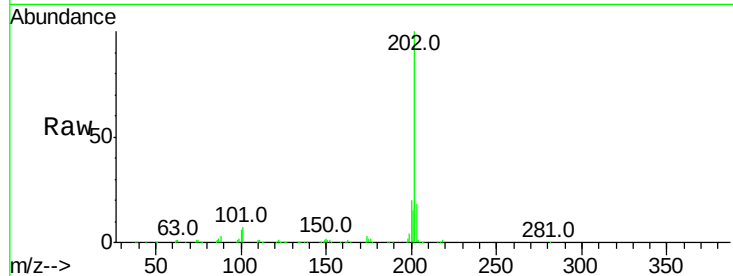
#77
 Fluoranthene
 Concen: 28.64 ng/ul
 RT: 19.51 min Scan# 2838
 Delta R.T. -0.01 min
 Lab File: BG020446.D
 Acq: 23 Dec 2015 16:48

Instrument :
 BNA_G
 ClientSampleId :
 D9N48DL

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	6.6	6.2	9.4
100	5.5	5.1	7.7

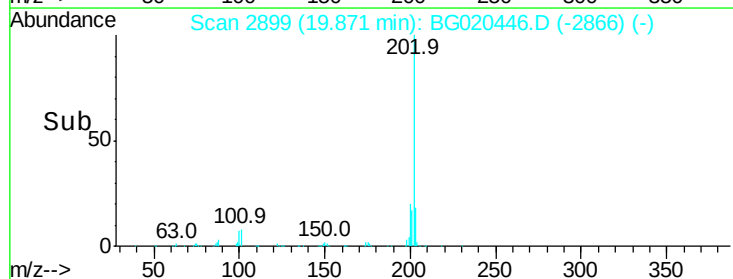
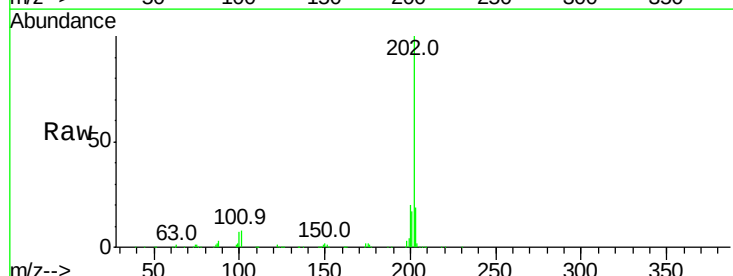
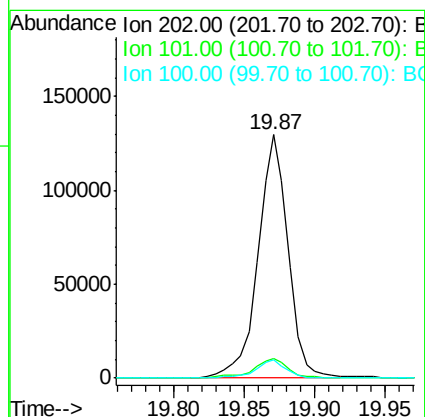
Manual Integrations
 APPROVED

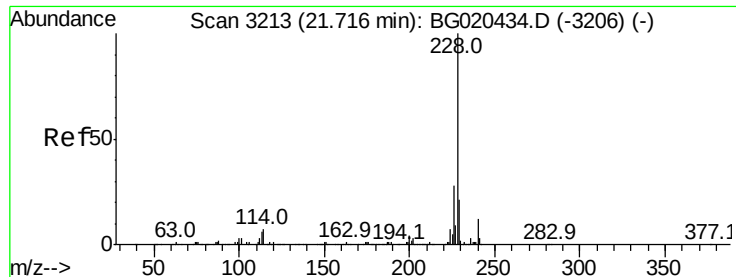
Sohil
 12/24/2015 5:32:15 PM



#80
 Pyrene
 Concen: 15.65 ng/ul
 RT: 19.87 min Scan# 2899
 Delta R.T. -0.01 min
 Lab File: BG020446.D
 Acq: 23 Dec 2015 16:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.0	7.0	10.4
100	7.3	6.4	9.6





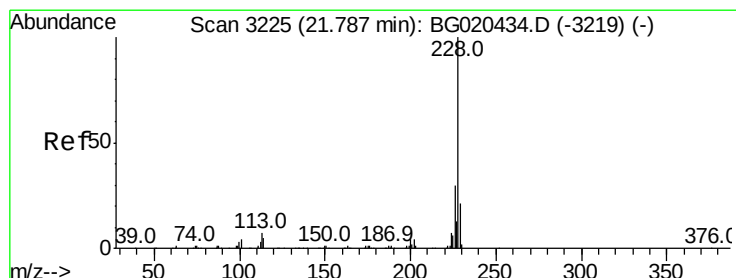
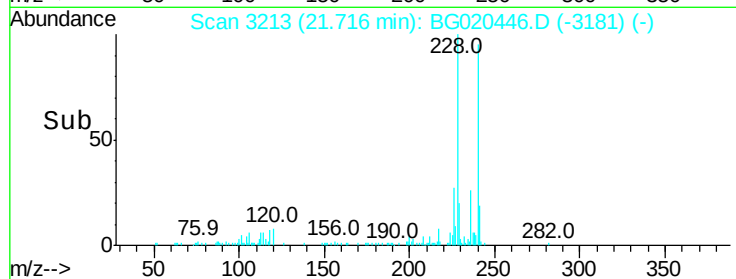
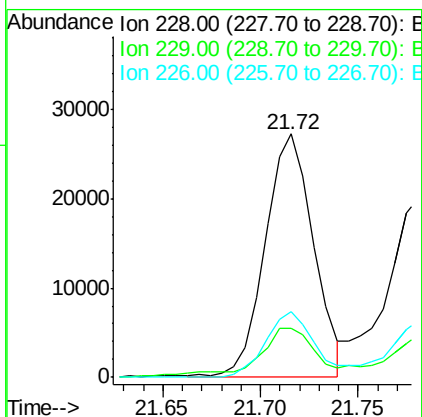
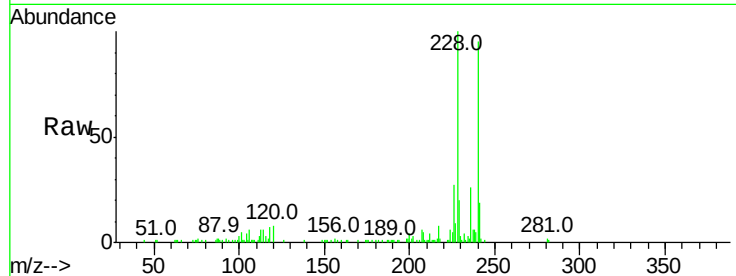
#83
Benzo(a)anthracene
Concen: 3.92 ng/ul
RT: 21.72 min Scan# 3213
Delta R.T. -0.01 min
Lab File: BG020446.D
Acq: 23 Dec 2015 16:48

Instrument :
BNA_G
ClientSampleId :
D9N48DL

Tot Ion:	228	Resp:	46784
Ion Ratio	Lower	Upper	
228	100		
229	19.9	15.8	23.8
226	27.2	21.8	32.6

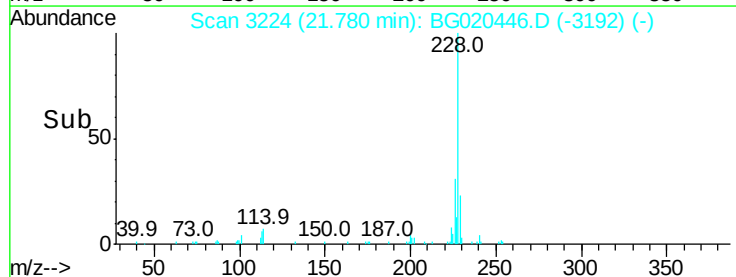
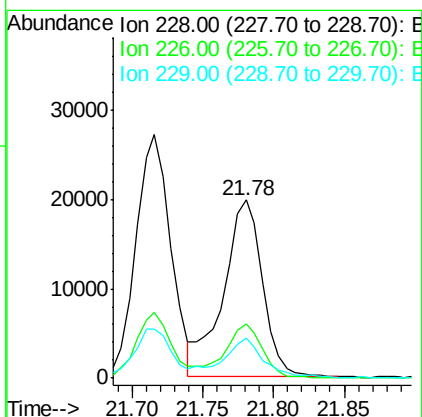
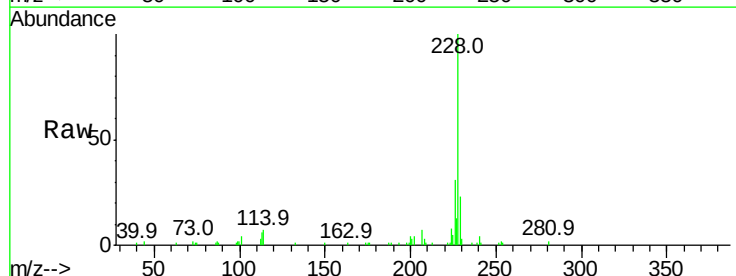
Manual Integrations
APPROVED

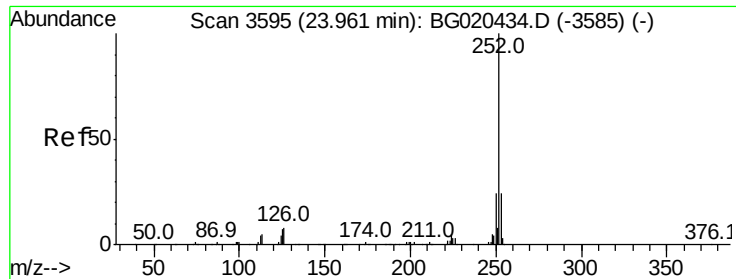
Sohil
12/24/2015 5:32:15 PM



#85
Chrysene
Concen: 3.40 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. -0.01 min
Lab File: BG020446.D
Acq: 23 Dec 2015 16:48

Tgt Ion:	228	Resp:	38179
Ion Ratio	Lower	Upper	
228	100		
226	30.6	23.9	35.9
229	22.7	15.6	23.4





#88

Benzo(b)fluoranthene

Concen: 1.73 ng/ul m

RT: 23.96 min Scan# 3595

Delta R.T. -0.02 min

Lab File: BG020446.D

Acq: 23 Dec 2015 16:48

Instrument :

BNA_G

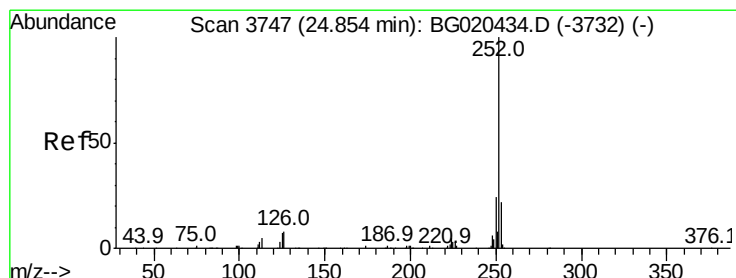
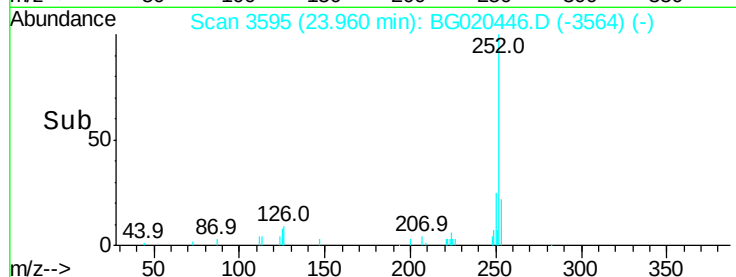
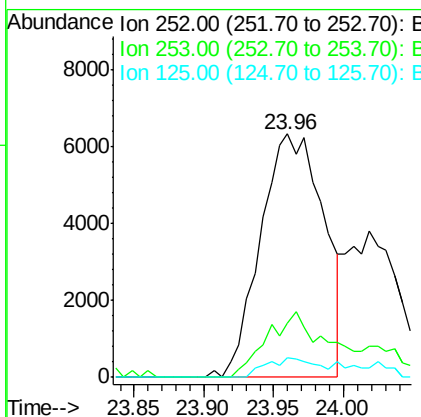
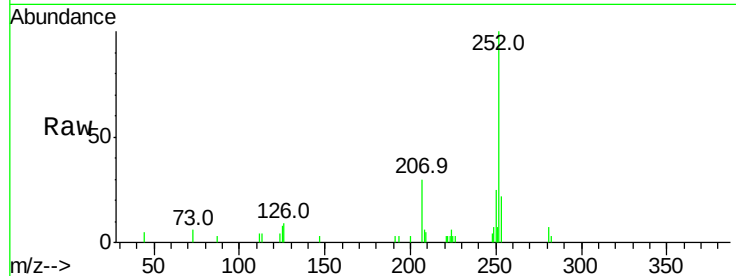
ClientSampleId :

D9N48DL

Manual Integrations
APPROVED

Sohil
12/24/2015 5:32:15 PM

Tot Ion	Ratio	Resp	Lower	Upper
252	100	19905		
253	22.3		16.7	25.1
125	8.3		6.2	9.2



#91

Benzo(a)pyrene

Concen: 1.12 ng/ul

RT: 24.84 min Scan# 3745

Delta R.T. -0.02 min

Lab File: BG020446.D

Acq: 23 Dec 2015 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	12186		
253	24.1		17.0	25.4
125	6.3		6.2	9.4

