

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020414.D
 Acq On : 22 Dec 2015 18:14
 Operator : UM/SJ
 Sample : G4848-17ME
 Misc : med level RX
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N63ME

Manual Integrations
 APPROVED

Sohil
 12/24/2015 5:34:22 PM

Quant Time: Dec 23 06:11:57 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 23 04:11:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	19423	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	89885	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	69799	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	165132	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	164856	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	161336	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	880	2.50	ng/uL	0.00
5) Phenol-d5	7.24	99	23981	14.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	16253	15.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	19684	15.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	23370	15.96	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	11772	16.80	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	14193	18.20	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	26204	16.59	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	25592	14.43	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	105990	18.77	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	115513	17.58	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	9088	8.98	ng/ul	0.00
58) Fluorene-d10	15.71	176	92661	18.09	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	8568	8.75	ng/ul	0.00
71) Anthracene-d10	17.57	188	142125	18.68	ng/ul	0.00
79) Pyrene-d10	19.85	212	135152	17.59	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	153824	19.12	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.96	128	553851	117.99	ng/ul 98
34) 2-Methylnaphthalene	12.56	142	245104	68.36	ng/ul 97
41) 1,1'-Biphenyl	13.55	154	113441	21.54	ng/ul 99
45) Dimethylphthalate	14.17	163	24624	4.27	ng/ul 99
48) Acenaphthylene	14.44	152	33663	4.82	ng/ul# 94
50) Acenaphthene	14.79	153	533636	113.65	ng/ul 99
54) Dibenzofuran	15.12	168	552493	79.10	ng/ul 100
59) Fluorene	15.77	166	550859	98.21	ng/ul 99
70) Phenanthrene	17.53	178	2330508m	258.01	ng/ul
72) Anthracene	17.60	178	264829	28.91	ng/ul 98
75) Carbazole	17.87	167	123432	16.03	ng/ul 99
77) Fluoranthene	19.52	202	1427879	135.26	ng/ul 97
80) Pyrene	19.88	202	985331	98.75	ng/ul 99
83) Benzo(a)anthracene	21.72	228	249229	25.91	ng/ul 98
85) Chrysene	21.79	228	207842	22.94	ng/ul 95
88) Benzo(b)fluoranthene	23.96	252	122208	12.59	ng/ul 96
89) Benzo(k)fluoranthene	24.02	252	42422m	4.55	ng/ul
91) Benzo(a)pyrene	24.84	252	69841	7.59	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	28.73	276	21193	1.93	ng/ul 94
94) Benzo(g,h,i)perylene	29.89	276	15538m	1.73	ng/ul

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

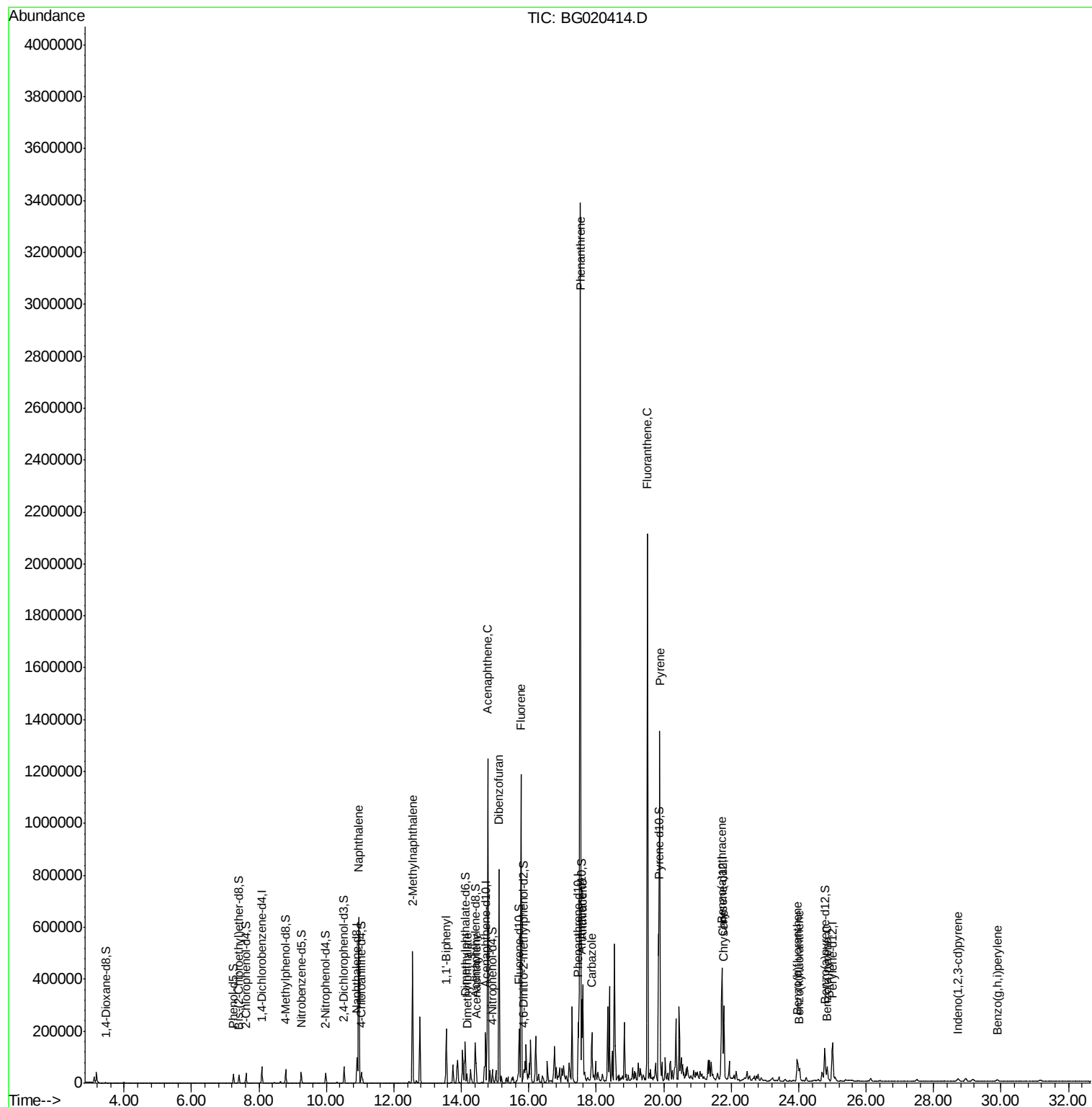
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

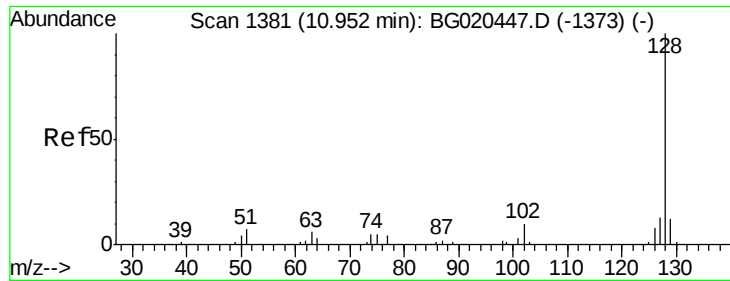
Instrument :
BNA_G
ClientSampleId :
D9N63ME

Manual Integrations
APPROVED

Sohil
12/24/2015 5:34:22 PM

Quant Time: Dec 23 06:11:57 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 23 04:11:36 2015
Response via : Initial Calibration





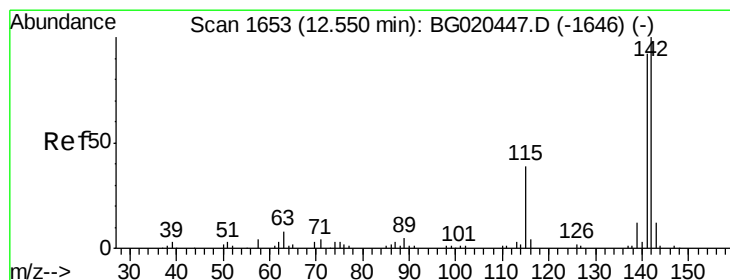
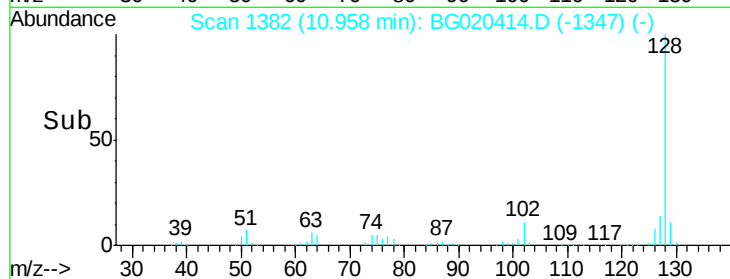
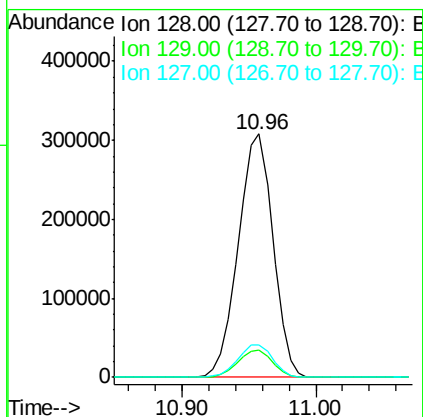
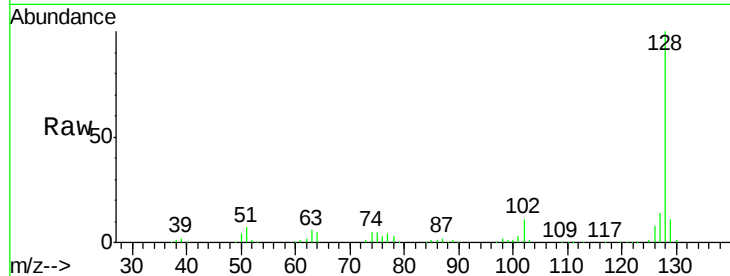
#28
Naphthalene
Concen: 117.99 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

Instrument :
BNA_G
ClientSampleId :
D9N63ME

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	12.8
127	13.5	10.1	15.1

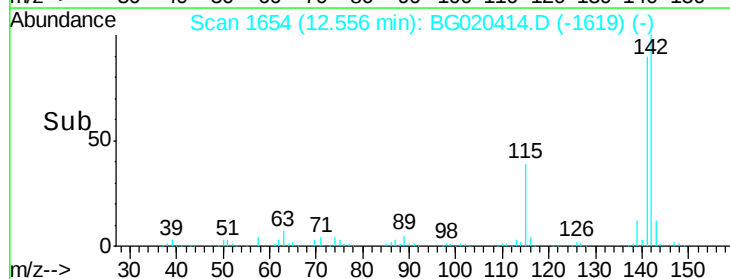
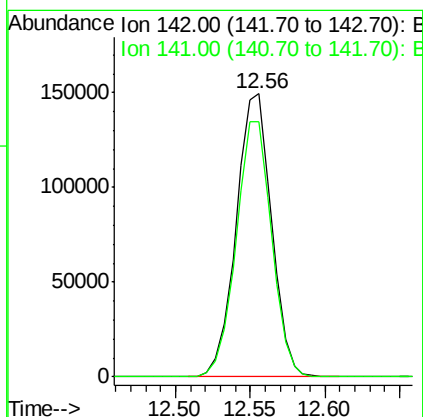
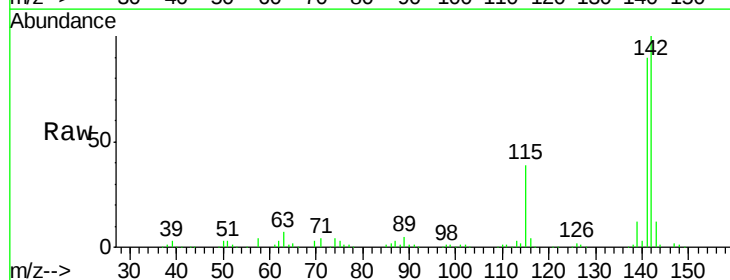
Manual Integrations
APPROVED

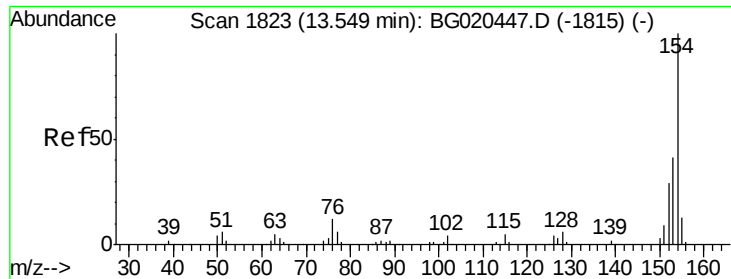
Sohil
12/24/2015 5:34:22 PM



#34
2-Methylnaphthalene
Concen: 68.36 ng/ul
RT: 12.56 min Scan# 1654
Delta R.T. 0.01 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.3	74.9	112.3





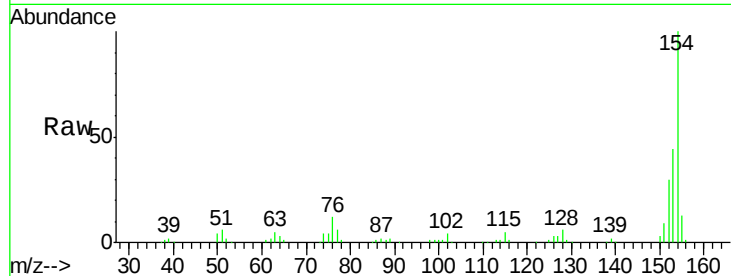
#41
1,1'-Biphenyl
Concen: 21.54 ng/ul
RT: 13.55 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

Instrument :
BNA_G
ClientSampleId :
D9N63ME

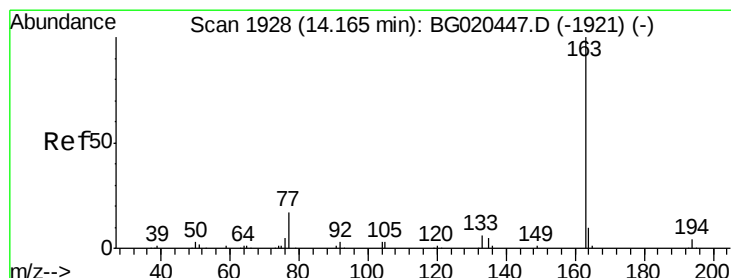
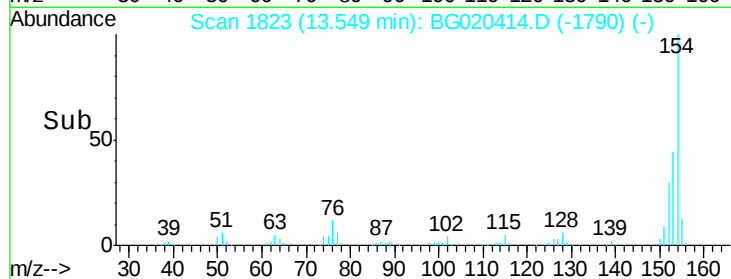
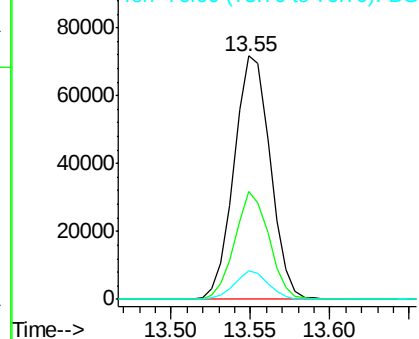
Tot Ion	Ratio	Lower	Upper
154	100		
153	44.2	35.5	53.3
76	11.7	10.4	15.6

Manual Integrations
APPROVED

Sohil
12/24/2015 5:34:22 PM

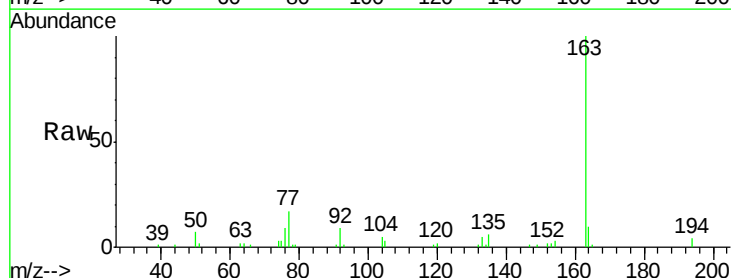


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BGC

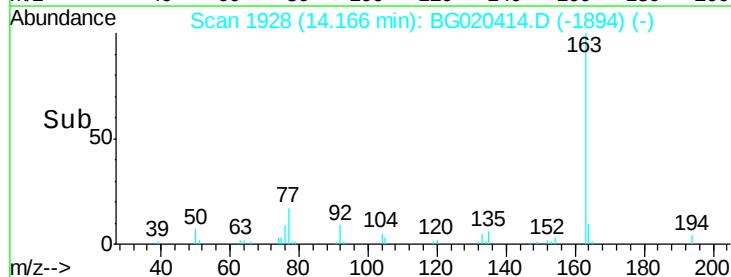
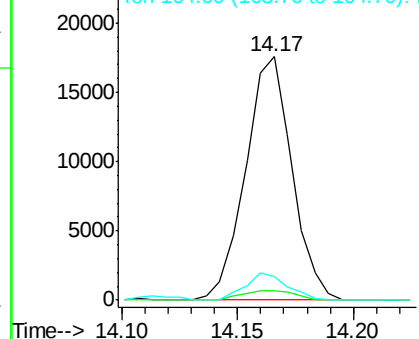


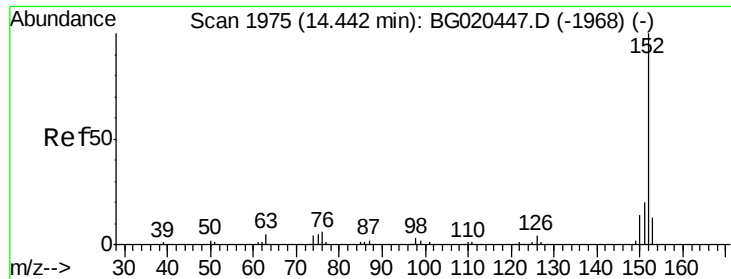
#45
Dimethylphthalate
Concen: 4.27 ng/ul
RT: 14.17 min Scan# 1928
Delta R.T. -0.00 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.5	5.3
164	9.8	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





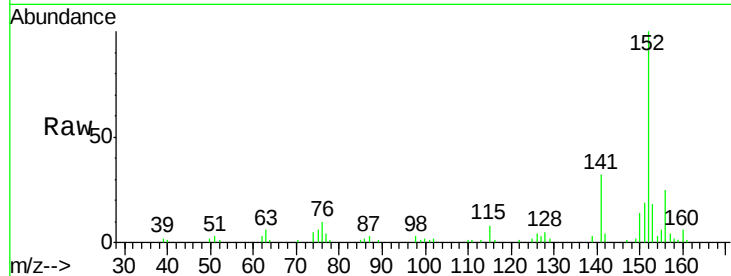
#48
Acenaphthylene
Concen: 4.82 ng/ul
RT: 14.44 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

Instrument :
BNA_G
ClientSampleId :
D9N63ME

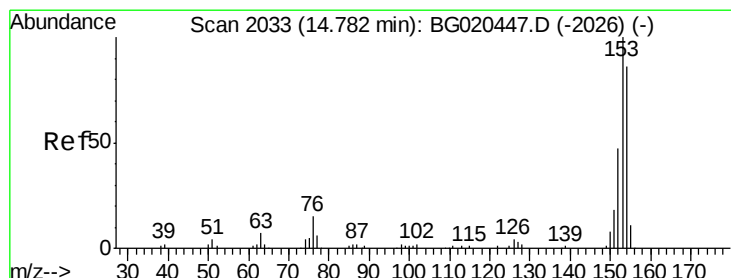
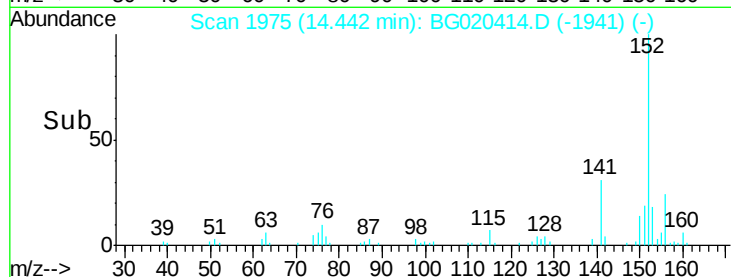
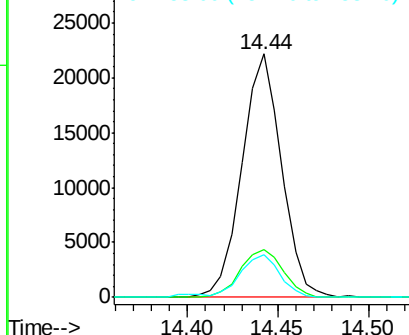
Tot Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.4	24.6
153	17.5	10.4	15.6

Manual Integrations
APPROVED

Sohil
12/24/2015 5:34:22 PM



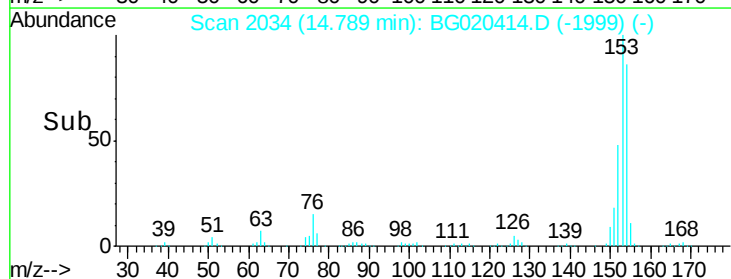
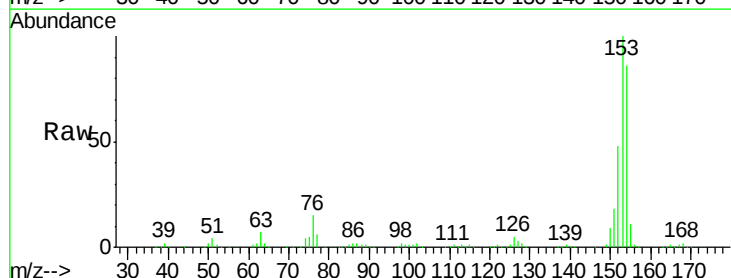
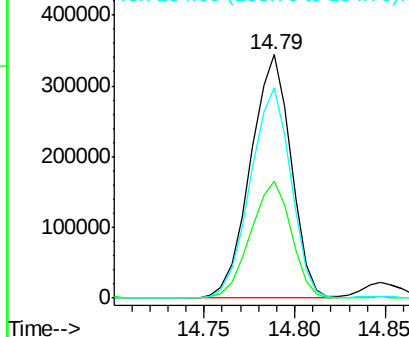
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

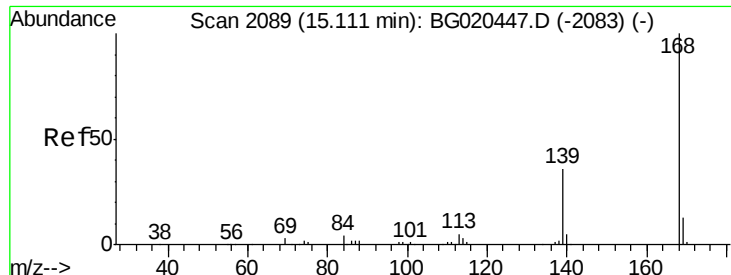


#50
Acenaphthene
Concen: 113.65 ng/ul
RT: 14.79 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.8	37.6	56.4
154	86.3	67.9	101.9

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





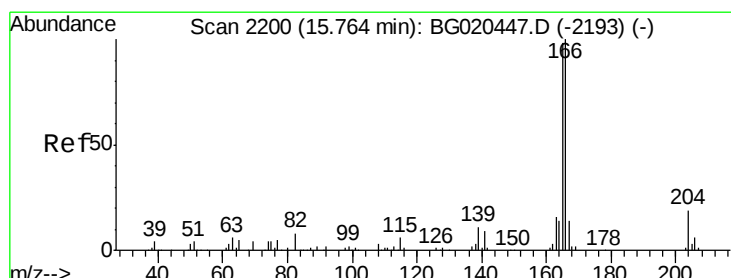
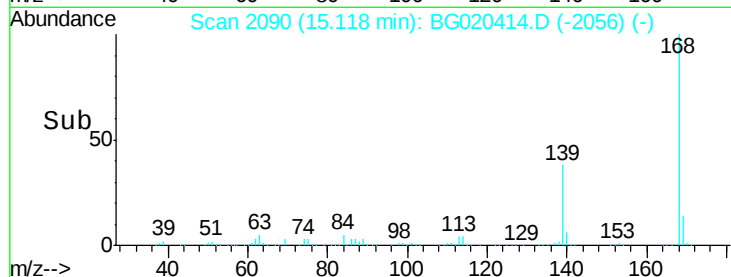
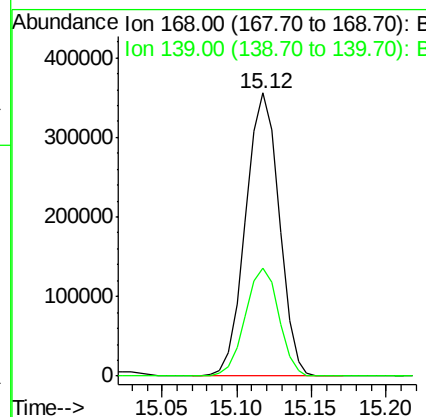
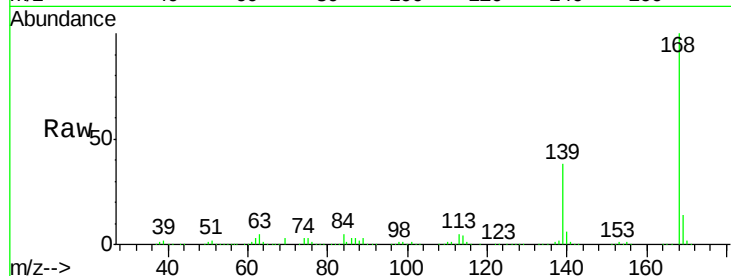
#54
Dibenzenofuran
Concen: 79.10 ng/ul
RT: 15.12 min Scan# 2090
Delta R.T. -0.00 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

Instrument :
BNA_G
ClientSampleId :
D9N63ME

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.3	30.5	45.7

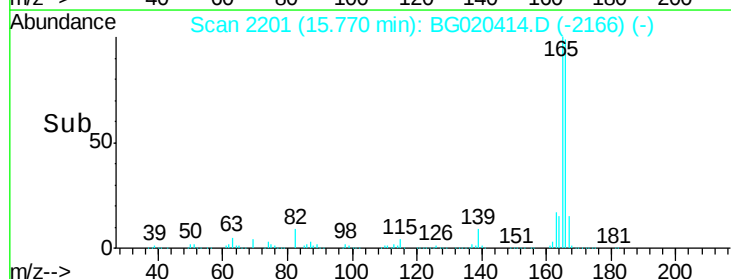
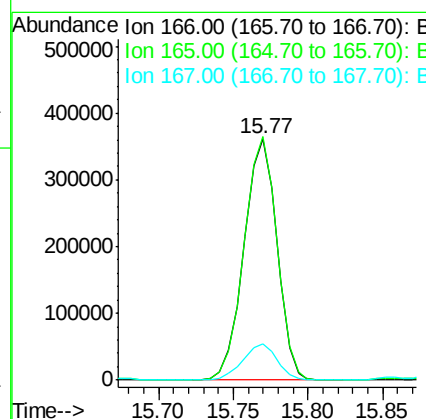
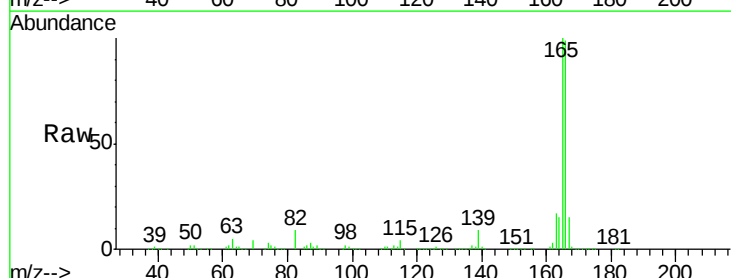
Manual Integrations
APPROVED

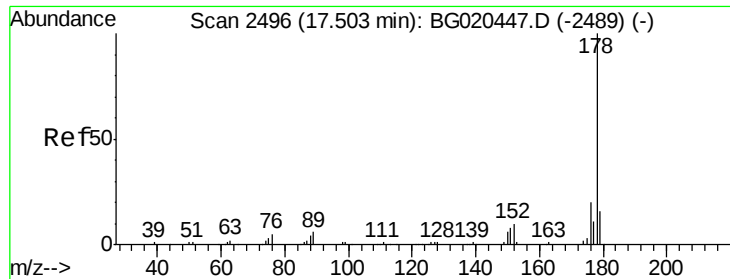
Sohil
12/24/2015 5:34:22 PM



#59
Fluorene
Concen: 98.21 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.0	81.4	122.0
167	15.1	11.2	16.8





#70

Phenanthrene

Concen: 258.01 ng/ul m

RT: 17.53 min Scan# 2500

Delta R.T. 0.02 min

Lab File: BG020414.D

Acq: 22 Dec 2015 18:14

Instrument :

BNA_G

ClientSampleId :

D9N63ME

Tot Ion:178 Resp: 2330508

Ion Ratio Lower Upper

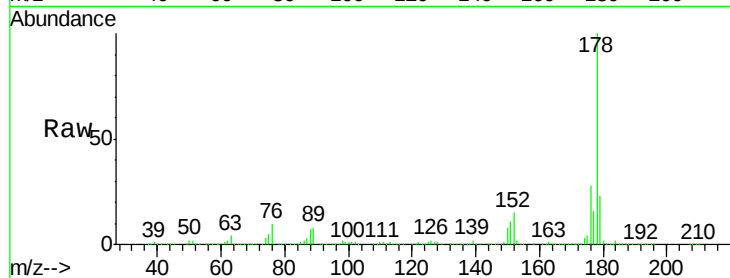
178 100

179 22.6 12.9 19.3#

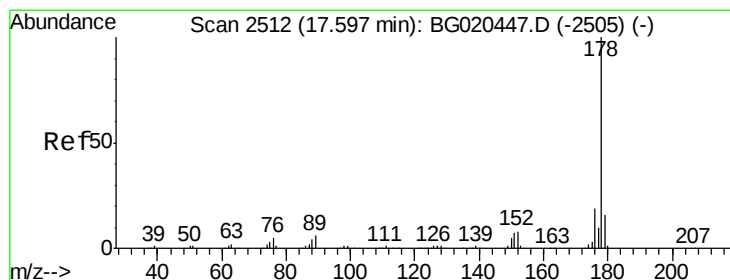
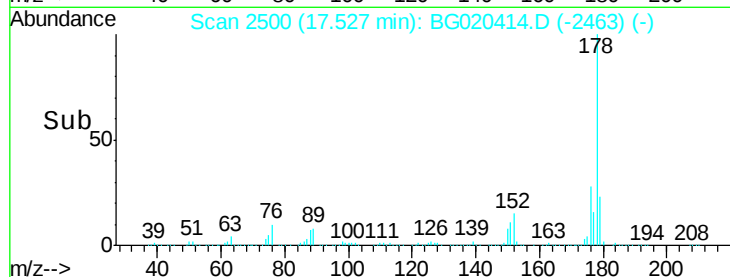
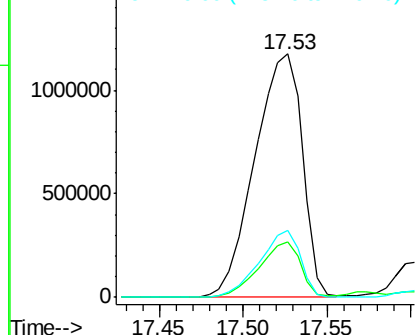
176 27.6 15.3 22.9#

Manual Integrations
APPROVED

Sohil
12/24/2015 5:34:22 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: 28.91 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. 0.01 min

Lab File: BG020414.D

Acq: 22 Dec 2015 18:14

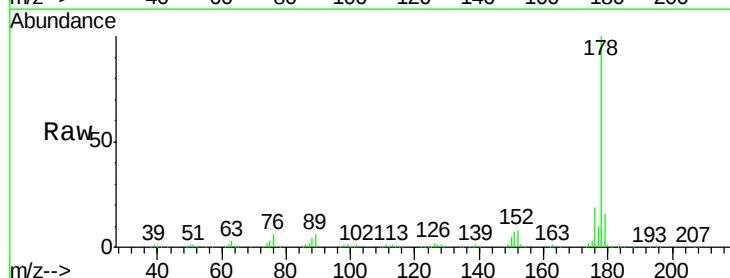
Tgt Ion:178 Resp: 264829

Ion Ratio Lower Upper

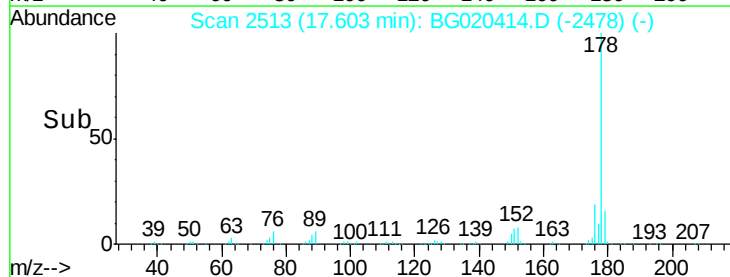
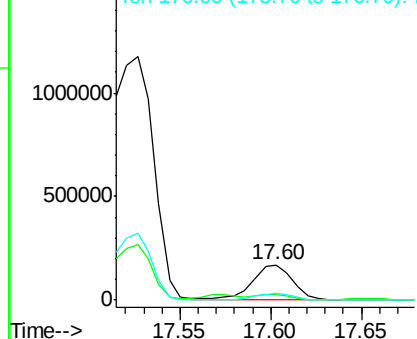
178 100

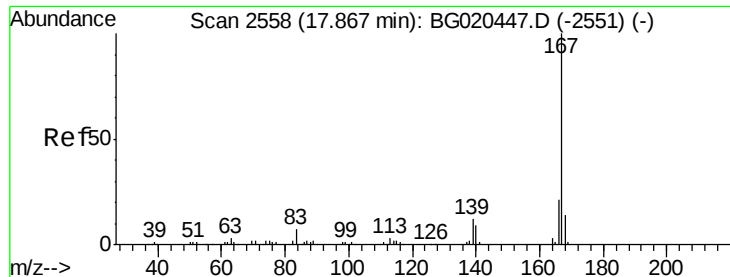
179 16.2 12.3 18.5

176 19.0 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





#75

Carbazole

Concen: 16.03 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BG020414.D

Acq: 22 Dec 2015 18:14

Instrument :

BNA_G

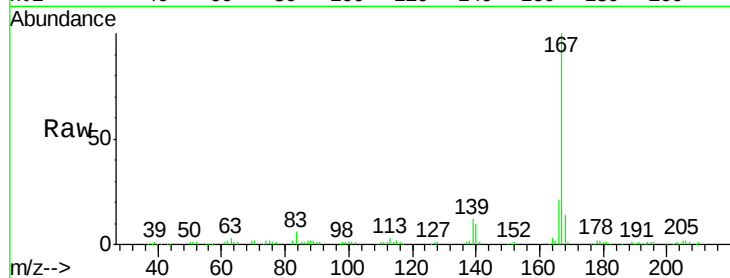
ClientSampleId :

D9N63ME

Tot Ion:	167	Resp:	123432
Ion Ratio	Lower	Upper	
167	100		
166	21.0	17.0	25.6
139	12.0	10.1	15.1

Manual Integrations
APPROVED

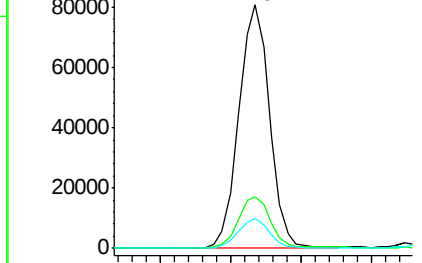
Sohil
12/24/2015 5:34:22 PM



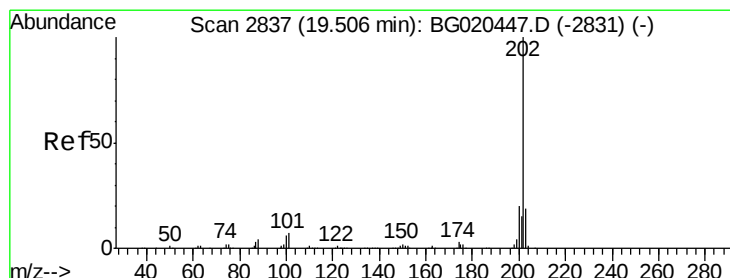
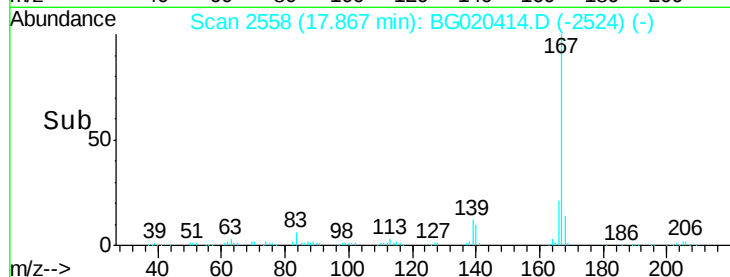
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#77

Fluoranthene

Concen: 135.26 ng/ul

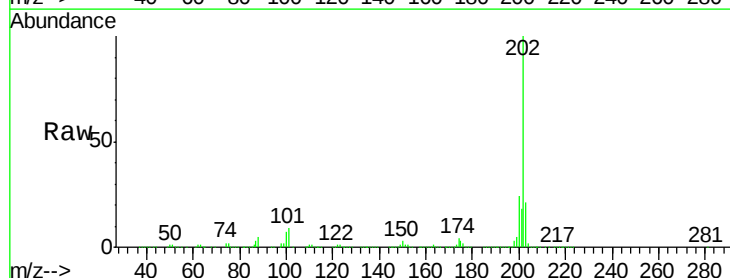
RT: 19.52 min Scan# 2839

Delta R.T. 0.01 min

Lab File: BG020414.D

Acq: 22 Dec 2015 18:14

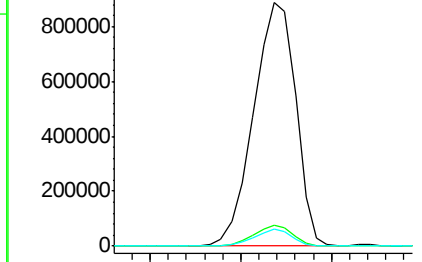
Tgt Ion:	202	Resp:	1427879
Ion Ratio	Lower	Upper	
202	100		
101	8.8	6.2	9.4
100	7.2	5.1	7.7



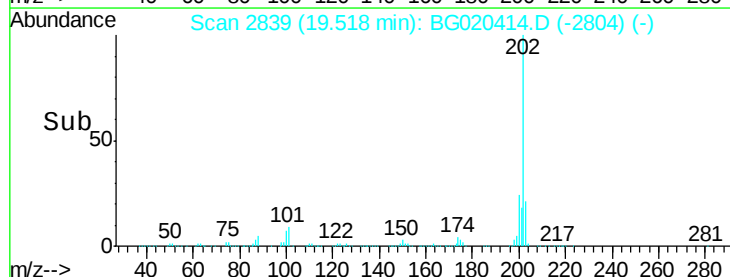
Abundance Ion 202.00 (201.70 to 202.70): E

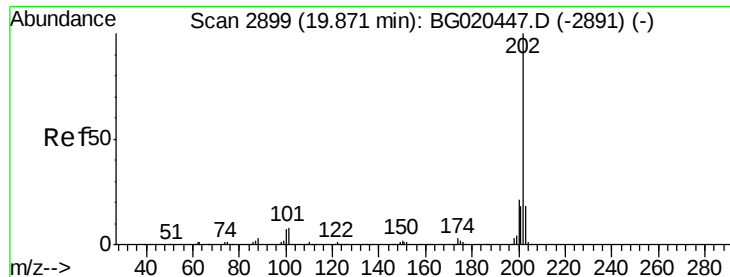
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





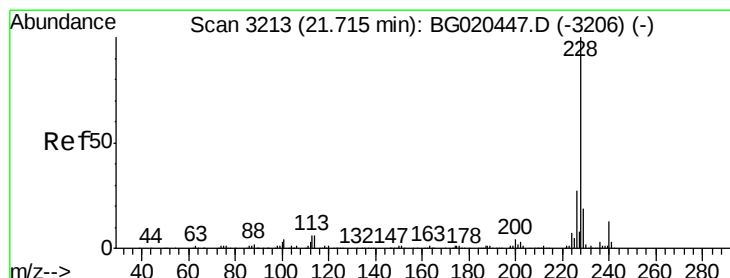
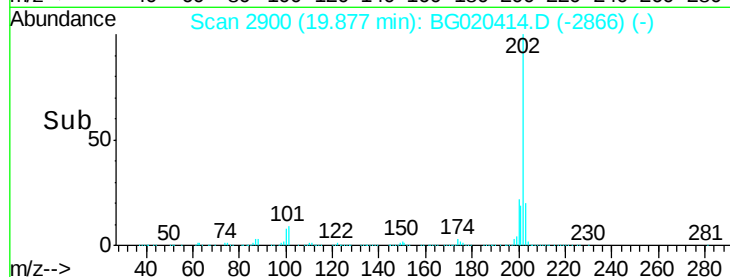
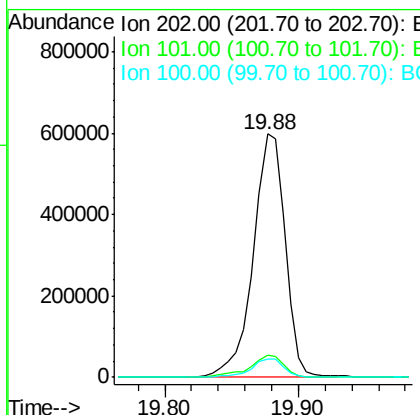
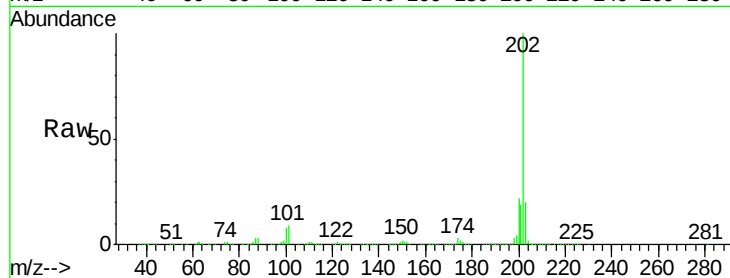
#80
Pvrene
Concen: 98.75 ng/ul
RT: 19.88 min Scan# 2900
Delta R.T. -0.00 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

Instrument :
BNA_G
ClientSampleId :
D9N63ME

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.4	7.0	10.4
100	7.7	6.4	9.6

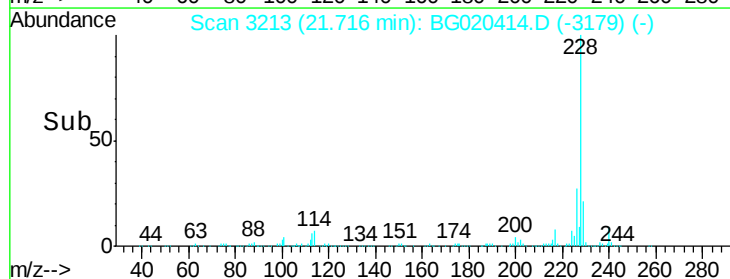
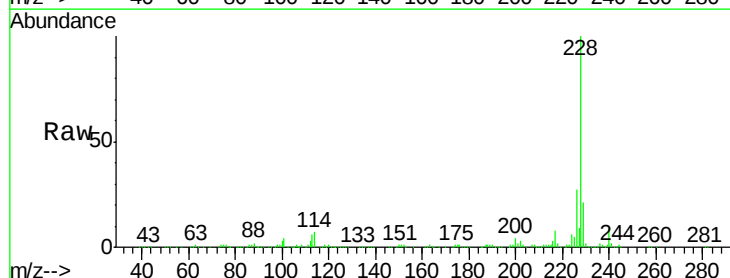
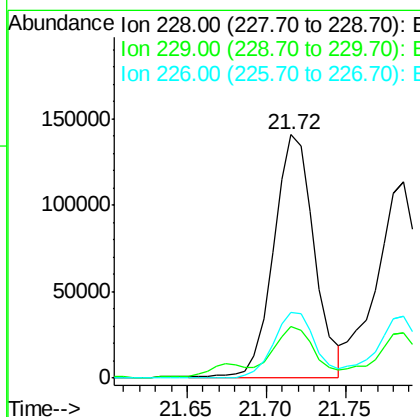
Manual Integrations
APPROVED

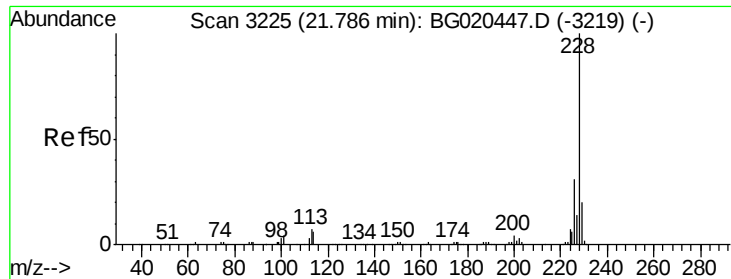
Sohil
12/24/2015 5:34:22 PM



#83
Benzo(a)anthracene
Concen: 25.91 ng/ul
RT: 21.72 min Scan# 3213
Delta R.T. -0.00 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.1	15.8	23.8
226	26.8	21.8	32.6





#85

Chrysene

Concen: 22.94 ng/ul

RT: 21.79 min Scan# 3225

Delta R.T. -0.00 min

Lab File: BG020414.D

Acq: 22 Dec 2015 18:14

Instrument :

BNA_G

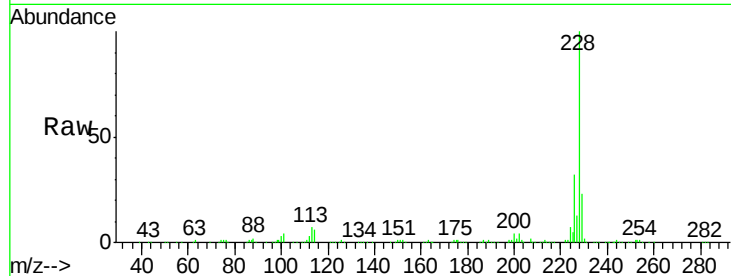
ClientSampleId :

D9N63ME

Tot Ion:	228	Resp:	207842
Ion Ratio	Lower	Upper	
228	100		
226	31.6	23.9	35.9
229	23.3	15.6	23.4

Manual Integrations
APPROVED

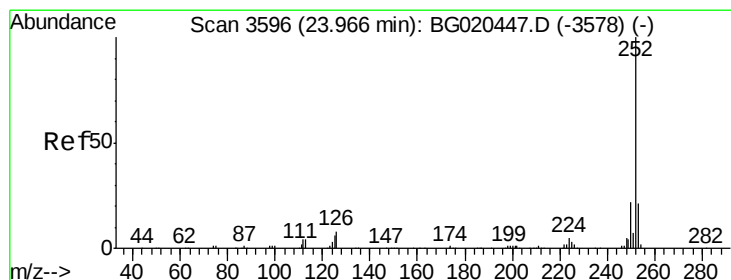
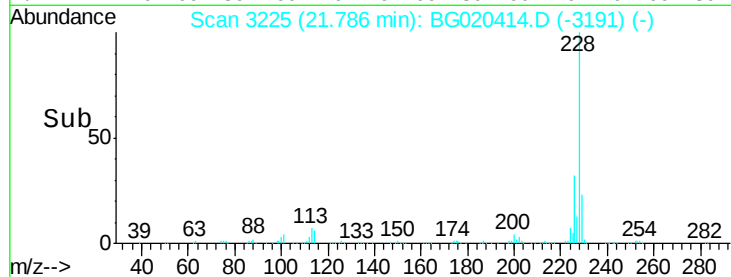
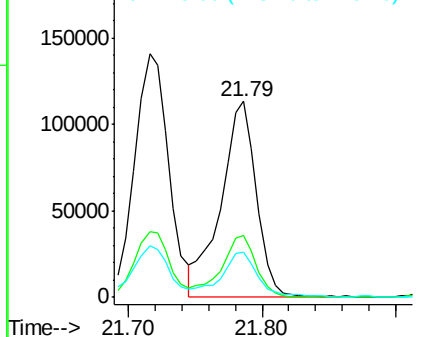
Sohil
12/24/2015 5:34:22 PM



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: 12.59 ng/ul

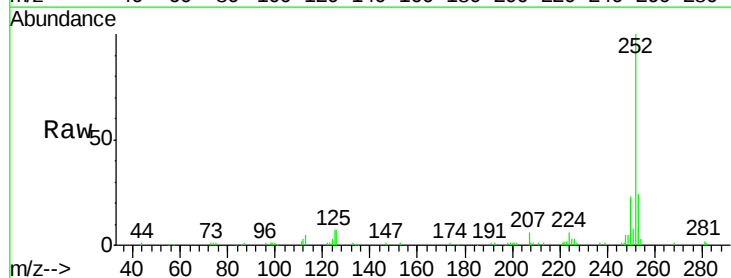
RT: 23.96 min Scan# 3595

Delta R.T. -0.01 min

Lab File: BG020414.D

Acq: 22 Dec 2015 18:14

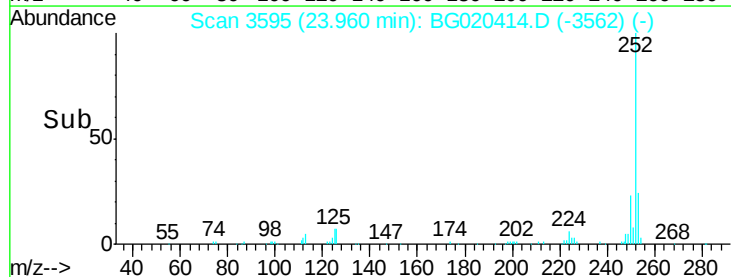
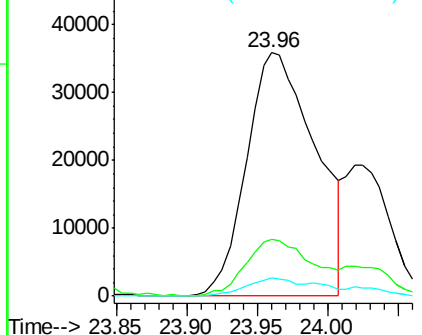
Tgt Ion:	252	Resp:	122208
Ion Ratio	Lower	Upper	
252	100		
253	23.5	16.7	25.1
125	7.3	6.2	9.2

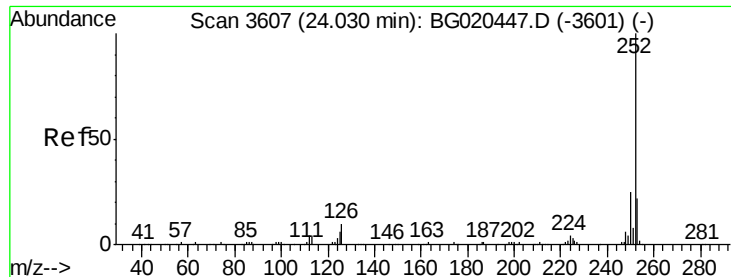


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 4.55 ng/ul m

RT: 24.02 min Scan# 3605

Delta R.T. -0.02 min

Lab File: BG020414.D

Acq: 22 Dec 2015 18:14

Instrument :

BNA_G

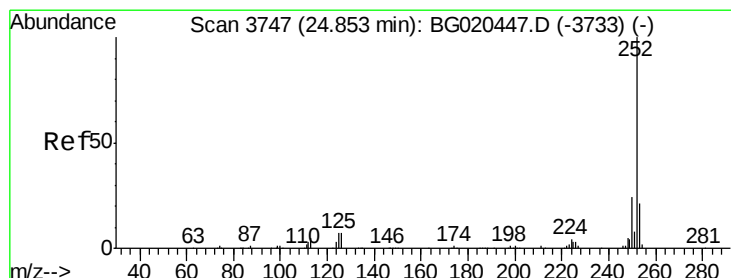
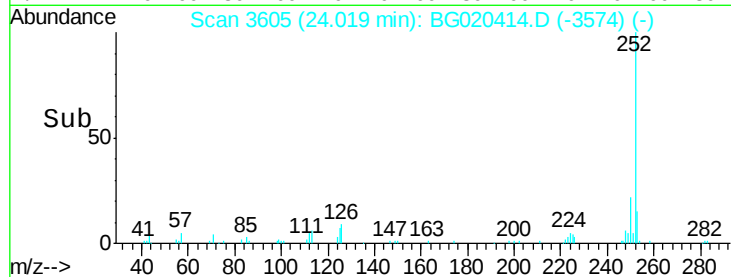
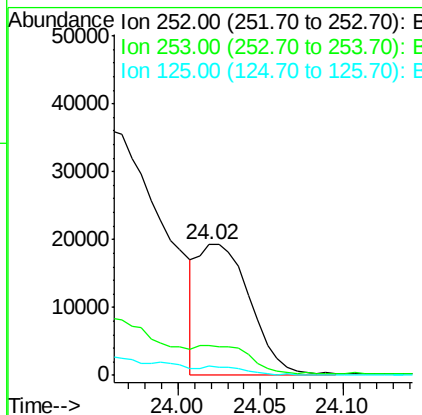
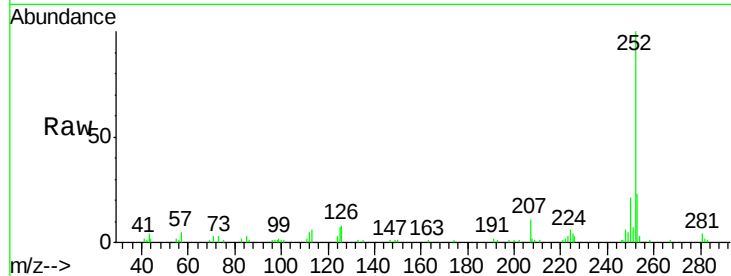
ClientSampleId :

D9N63ME

Tot Ion:	252	Resp:	42422
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.9	26.9
125	6.9	5.8	8.6

Manual Integrations
APPROVED

Sohil
12/24/2015 5:34:22 PM



#91

Benzo(a)pyrene

Concen: 7.59 ng/ul

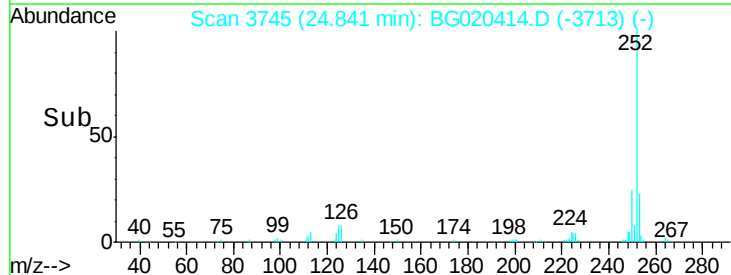
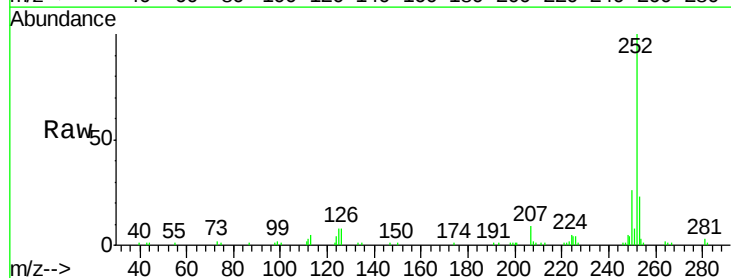
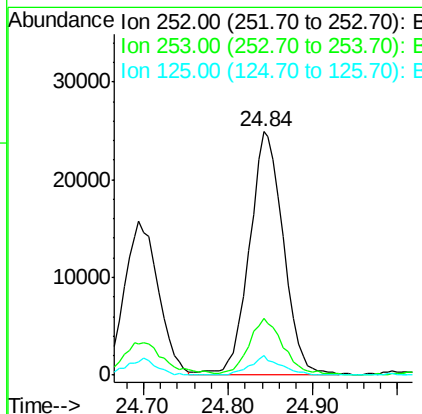
RT: 24.84 min Scan# 3745

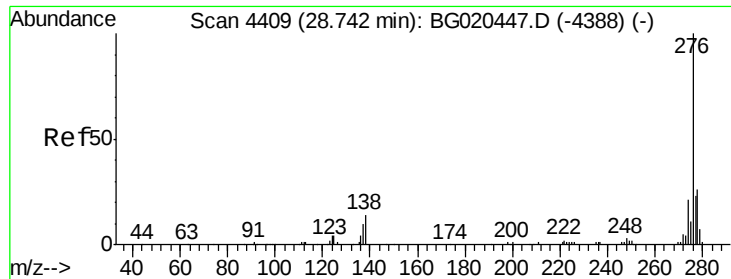
Delta R.T. -0.01 min

Lab File: BG020414.D

Acq: 22 Dec 2015 18:14

Tgt Ion:	252	Resp:	69841
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.0	25.4
125	8.0	6.2	9.4





#92

Indeno(1,2,3-cd)pyrene

Concen: 1.93 ng/ul

RT: 28.73 min Scan# 4406

Delta R.T. -0.01 min

Lab File: BG020414.D

Acq: 22 Dec 2015 18:14

Instrument :

BNA_G

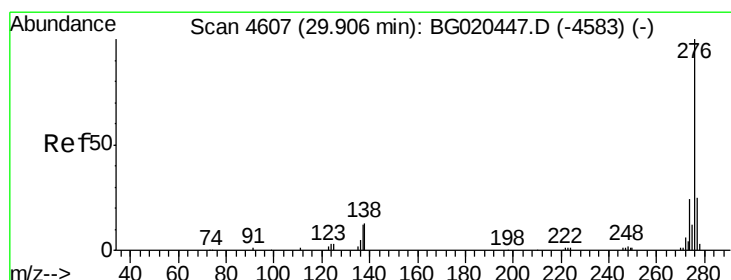
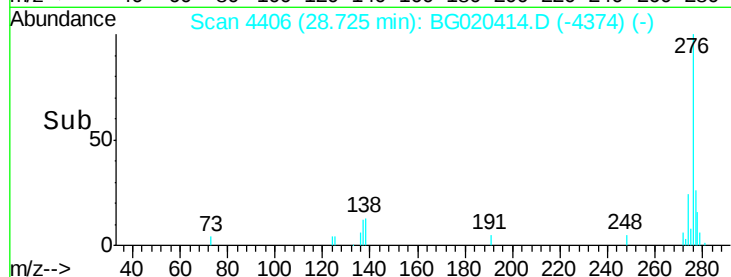
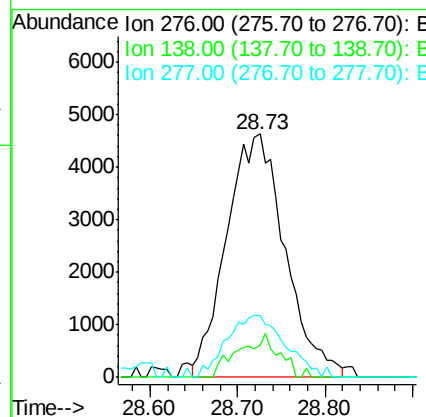
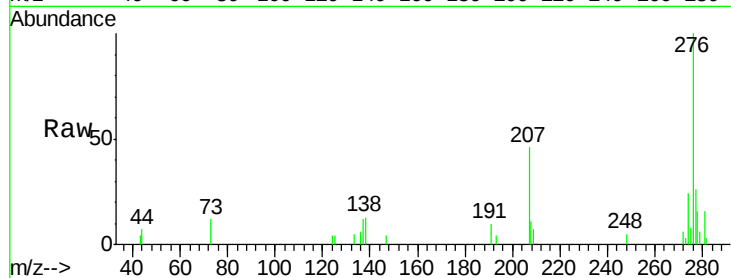
ClientSampleId :

D9N63ME

Tot Ion:	276	Resp:	21193
Ion Ratio	Lower	Upper	
276	100		
138	13.1	11.4	17.0
277	25.6	17.4	26.0

Manual Integrations
APPROVED

Sohil
12/24/2015 5:34:22 PM



#94

Benzo(g,h,i)perylene

Concen: 1.73 ng/ul m

RT: 29.89 min Scan# 4604

Delta R.T. -0.02 min

Lab File: BG020414.D

Acq: 22 Dec 2015 18:14

Tgt Ion:	276	Resp:	15538
Ion Ratio	Lower	Upper	
276	100		
138	10.6	10.8	16.2#
277	22.8	19.9	29.9

