

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
 Data File : BG019678.D
 Acq On : 18 Nov 2015 2:45
 Operator : UM/NP
 Sample : G4427-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC7B0

Manual Integrations
 APPROVED

mohammad
 11/19/2015 8:27:16 AM

Quant Time: Nov 18 03:55:53 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 18 03:01:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	24728	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	117987	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.78	164	100210	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	272244	20.00	ng/ul	0.00
78) Chrysene-d12	21.80	240	338651	20.00	ng/ul	0.00
86) Perylene-d12	25.12	264	327542	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	1691	2.92	ng/uL	0.00
5) Phenol-d5	7.29	99	48158	19.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.46	67	31054	18.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.67	132	29822	18.36	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	39297	18.74	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	16453	16.98	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	18684	17.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	42100m	17.86	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	38801m	17.34	ng/ul	0.00
44) Dimethylphthalate-d6	14.18	166	160797	17.74	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	161409	16.43	ng/ul	0.00
52) 4-Nitrophenol-d4	14.96	143	19318	13.53	ng/ul	0.00
58) Fluorene-d10	15.77	176	137218	16.92	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.88	200	20453	11.63	ng/ul	0.00
71) Anthracene-d10	17.62	188	229178	17.34	ng/ul	0.00
79) Pyrene-d10	19.90	212	258229	16.74	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.89	264	293646	17.17	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.32	94	2816	1.03 ng/ul	92
28) Naphthalene	11.03	128	13379	2.10 ng/ul	97
45) Dimethylphthalate	14.22	163	98500	10.96 ng/ul	100
50) Acenaphthene	14.85	153	21594	3.22 ng/ul	95
54) Dibenzofuran	15.18	168	33250	3.38 ng/ul	98
59) Fluorene	15.82	166	28306	3.29 ng/ul	95
70) Phenanthrene	17.57	178	857221	58.83 ng/ul	99
72) Anthracene	17.66	178	190202	12.95 ng/ul	98
75) Carbazole	17.92	167	70346	5.96 ng/ul	98
77) Fluoranthene	19.57	202	1339022	72.11 ng/ul#	96
80) Pyrene	19.93	202	1091979	55.21 ng/ul	99
81) Butylbenzylphthalate	20.80	149	1087915	167.18 ng/ul	97
83) Benzo(a)anthracene	21.77	228	650268	31.68 ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.66	149	51765	5.43 ng/ul#	96
85) Chrysene	21.84	228	575660	29.79 ng/ul	97
88) Benzo(b)fluoranthene	24.06	252	692219	34.30 ng/ul	99
89) Benzo(k)fluoranthene	24.12	252	204321	10.49 ng/ul	98
91) Benzo(a)pyrene	24.96	252	474610	24.43 ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.92	276	321565	14.79 ng/ul#	92
93) Dibenz(a,h)anthracene	28.95	278	85623	4.79 ng/ul#	90
94) Benzo(a,h,i)perylene	30.10	276	288844	16.01 ng/ul	97

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019678.D
Acq On : 18 Nov 2015 2:45
Operator : UM/NP
Sample : G4427-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BC7B0

Manual Integrations
APPROVED

mohammad
11/19/2015 8:27:16 AM

Quant Time: Nov 18 03:55:53 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 18 03:01:13 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

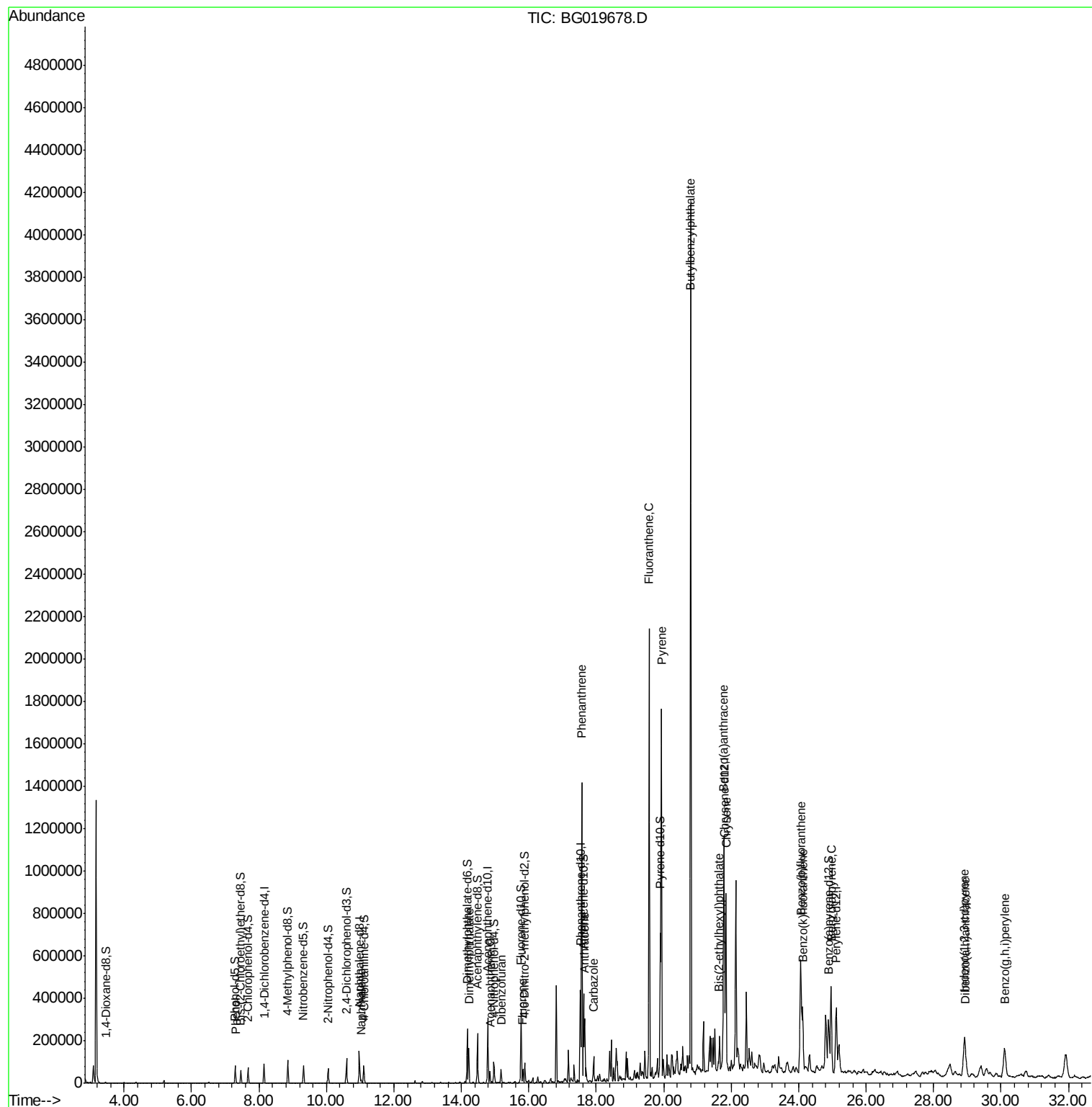
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019678.D
Acq On : 18 Nov 2015 2:45
Operator : UM/NP
Sample : G4427-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

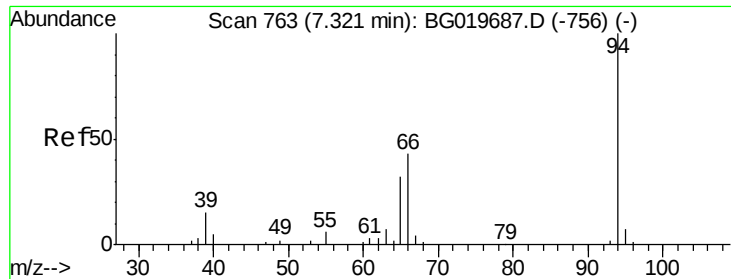
Instrument :
BNA_G
ClientSampleId :
BC7B0

Manual Integrations
APPROVED

mohammad
11/19/2015 8:27:16 AM

Quant Time: Nov 18 03:55:53 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 18 03:01:13 2015
Response via : Initial Calibration





#6

Phenol

Concen: 1.03 ng/ul

RT: 7.32 min Scan# 763

Delta R.T. 0.00 min

Lab File: BG019678.D

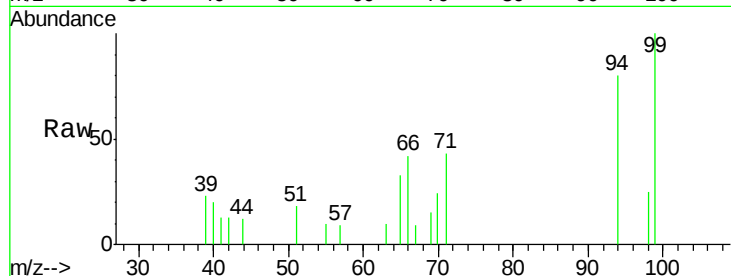
Acq: 18 Nov 2015 2:45

Instrument :

BNA_G

ClientSampled :

BC7B0



Tot Ion: 94 Resp: 2816

Ion Ratio Lower Upper

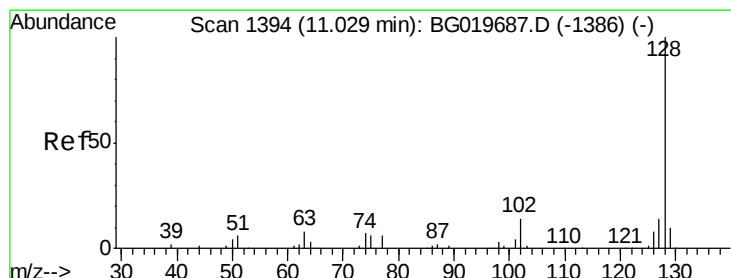
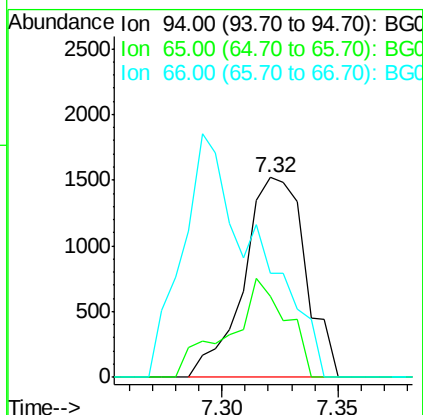
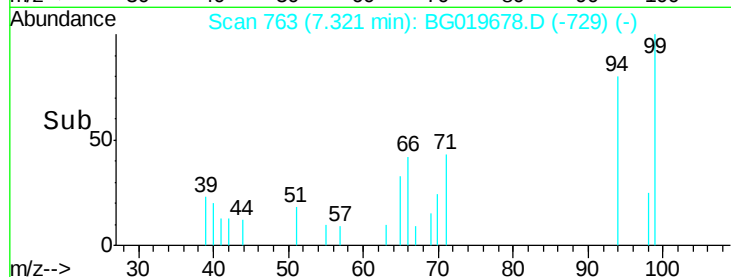
94 100

65 40.9 27.4 41.0

66 52.4 39.0 58.6

Manual Integrations
APPROVED

mohammad
11/19/2015 8:27:16 AM



#28

Naphthalene

Concen: 2.10 ng/ul

RT: 11.03 min Scan# 1394

Delta R.T. 0.00 min

Lab File: BG019678.D

Acq: 18 Nov 2015 2:45

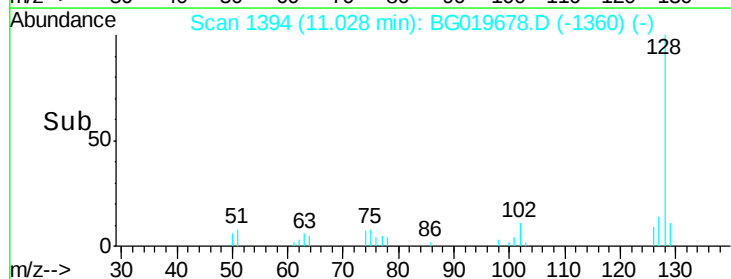
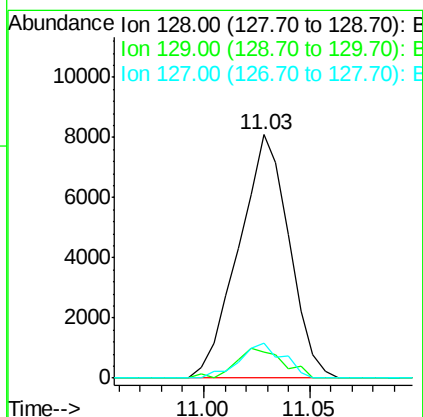
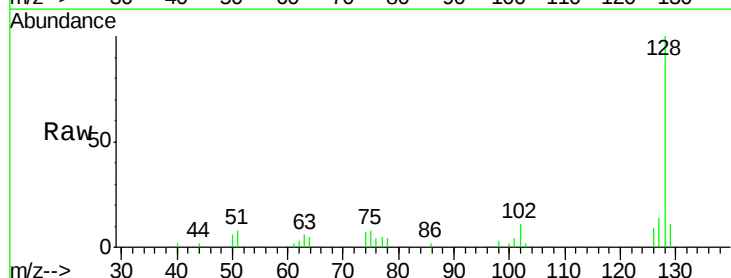
Tgt Ion: 128 Resp: 13379

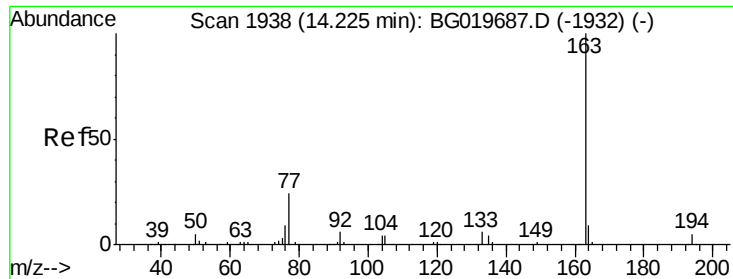
Ion Ratio Lower Upper

128 100

129 10.6 8.1 12.1

127 14.5 10.0 15.0





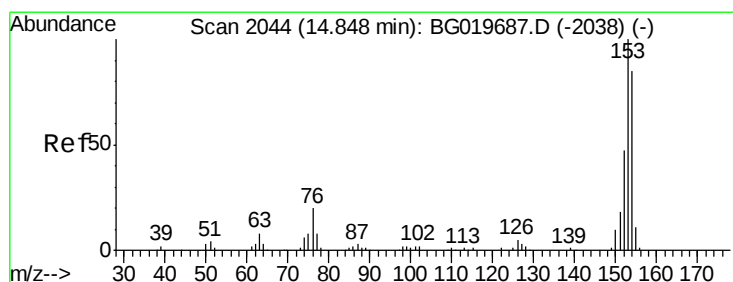
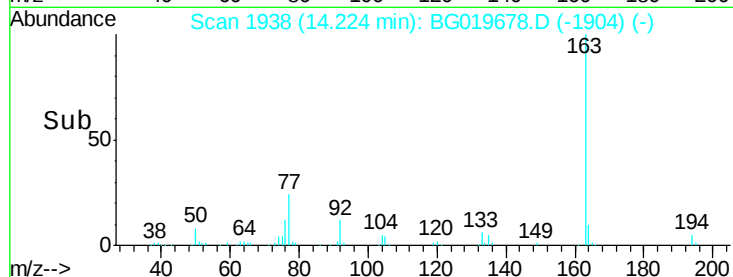
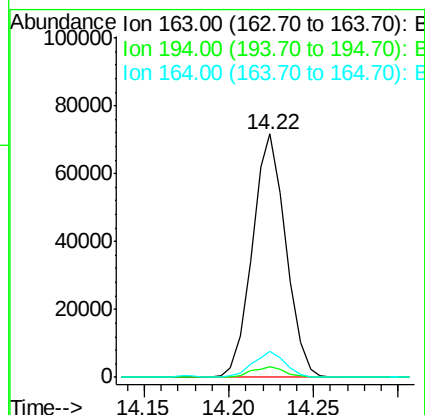
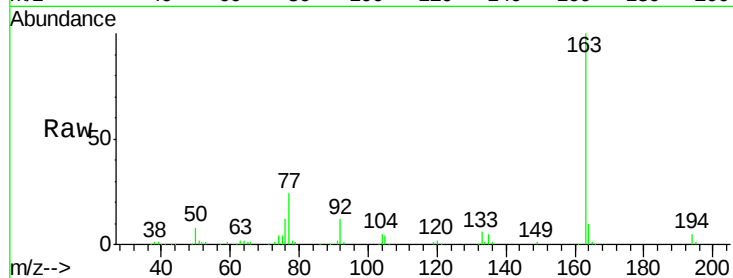
#45
Dimethylphthalate
Concen: 10.96 ng/ul
RT: 14.22 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BG019678.D
Acq: 18 Nov 2015 2:45

Instrument :
BNA_G
ClientSampleID :
BC7B0

Tot Ion	Ratio	Resp	Lower	Upper
163	100	98500		
194	4.6		3.5	5.3
164	10.4		8.3	12.5

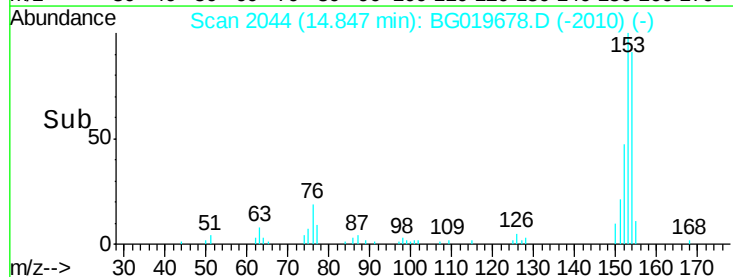
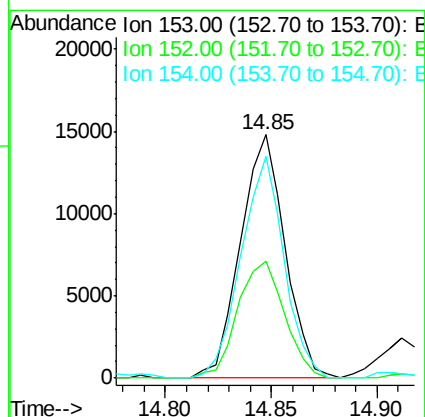
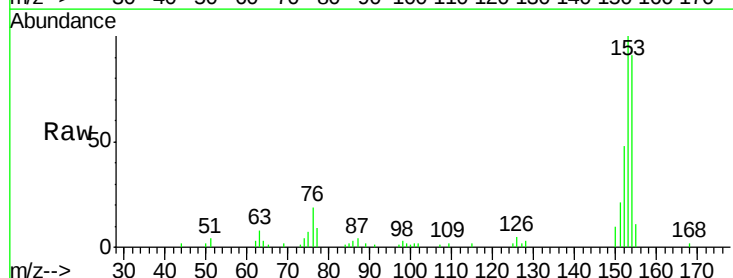
Manual Integrations
APPROVED

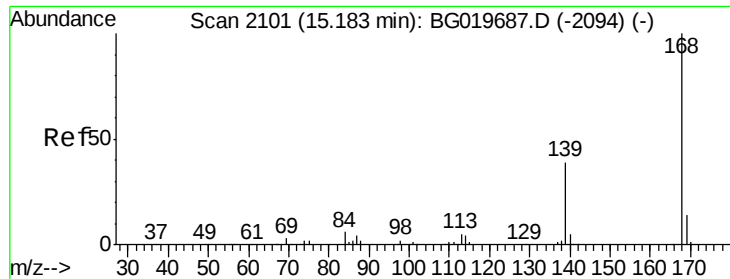
mohammad
11/19/2015 8:27:16 AM



#50
Acenaphthene
Concen: 3.22 ng/ul
RT: 14.85 min Scan# 2044
Delta R.T. 0.00 min
Lab File: BG019678.D
Acq: 18 Nov 2015 2:45

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	21594		
152	48.2		40.9	61.3
154	90.9		69.1	103.7





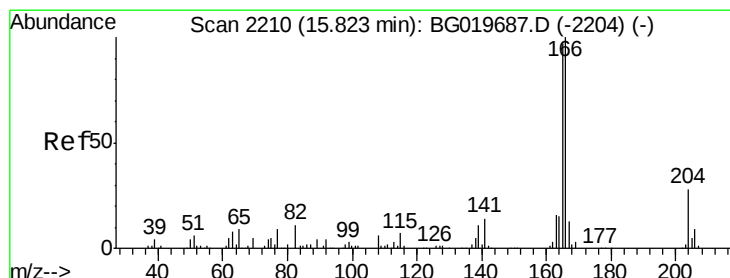
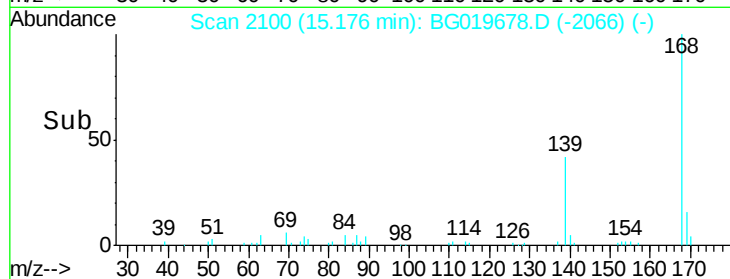
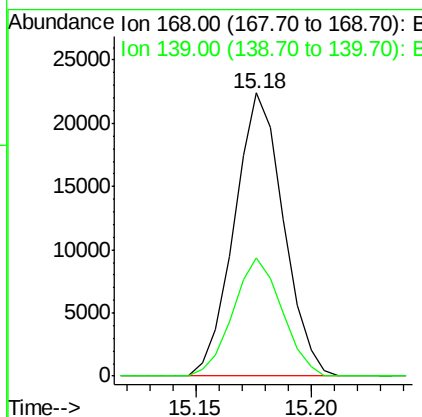
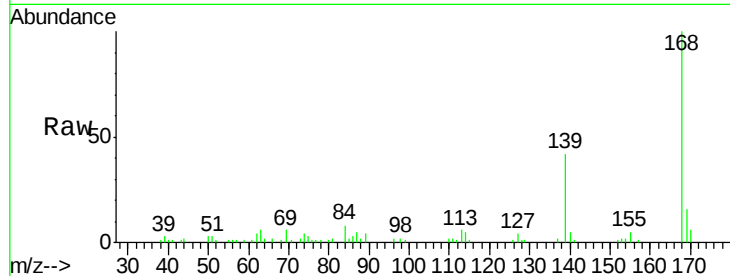
#54
Dibenzenofuran
Concen: 3.38 ng/ul
RT: 15.18 min Scan# 2100
Delta R.T. 0.00 min
Lab File: BG019678.D
Acq: 18 Nov 2015 2:45

Instrument :
BNA_G
ClientSampleId :
BC7B0

Tot Ion	Ratio	Lower	Upper
168	100		
139	42.0	34.7	52.1

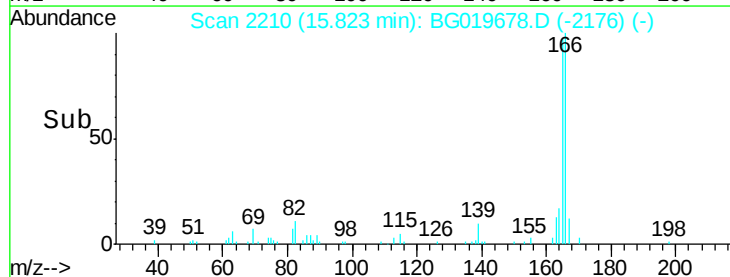
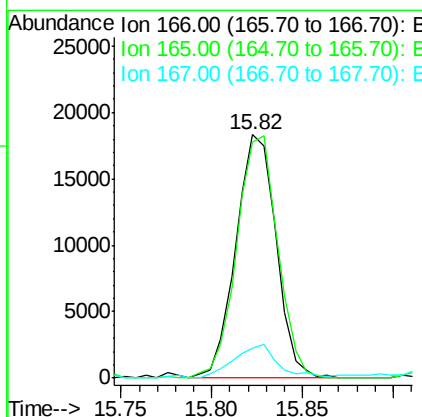
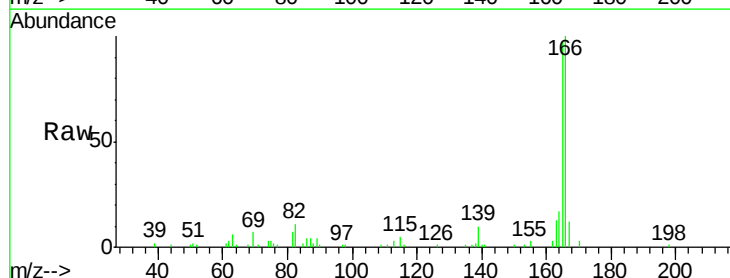
Manual Integrations
APPROVED

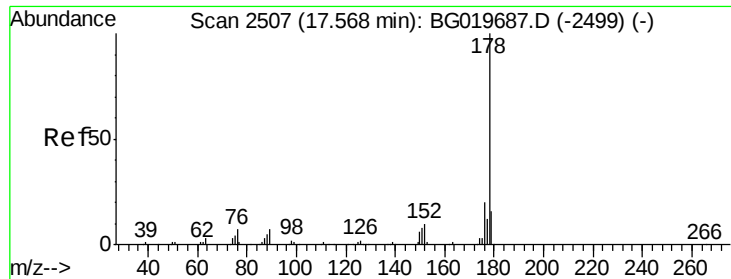
mohammad
11/19/2015 8:27:16 AM



#59
Fluorene
Concen: 3.29 ng/ul
RT: 15.82 min Scan# 2210
Delta R.T. 0.00 min
Lab File: BG019678.D
Acq: 18 Nov 2015 2:45

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.7	81.4	122.2
167	12.3	11.1	16.7





#70

Phenanthrene

Concen: 58.83 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BG019678.D

Acq: 18 Nov 2015 2:45

Instrument :

BNA_G

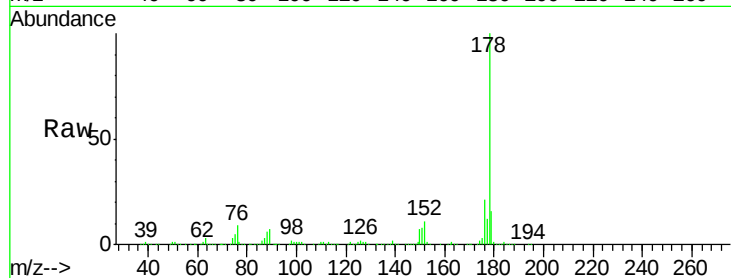
ClientSampleId :

BC7B0

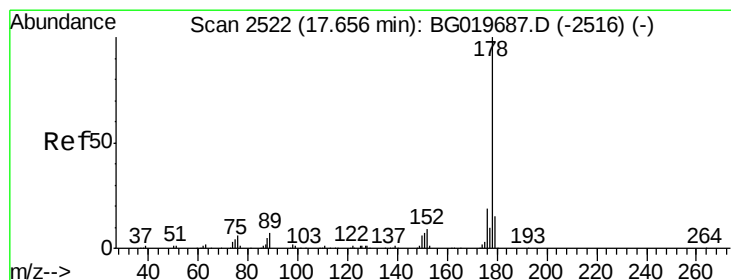
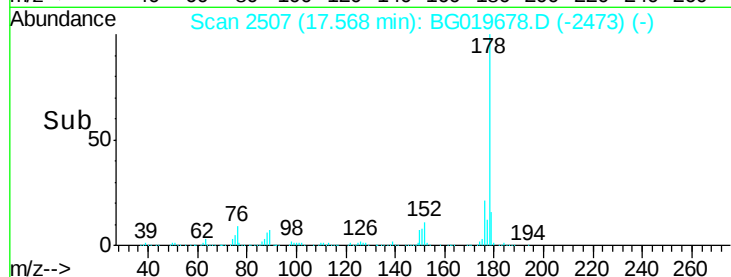
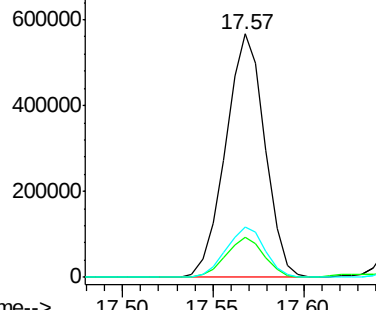
Tot Ion:	178	Resp:	857221
Ion Ratio	Lower	Upper	
178	100		
179	16.4	12.2	18.2
176	20.6	16.6	24.8

Manual Integrations
APPROVED

mohammad
11/19/2015 8:27:16 AM



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: 12.95 ng/ul

RT: 17.66 min Scan# 2522

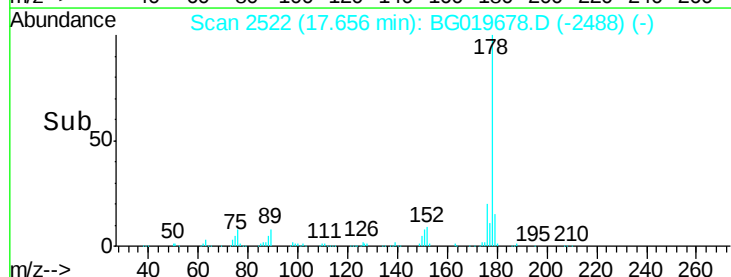
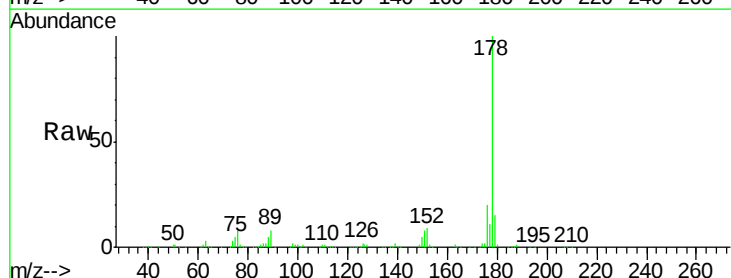
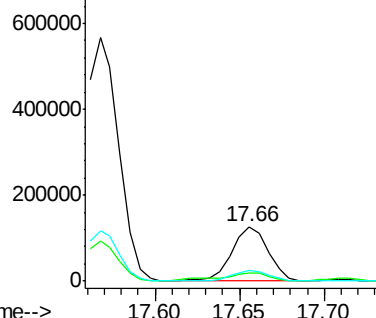
Delta R.T. 0.00 min

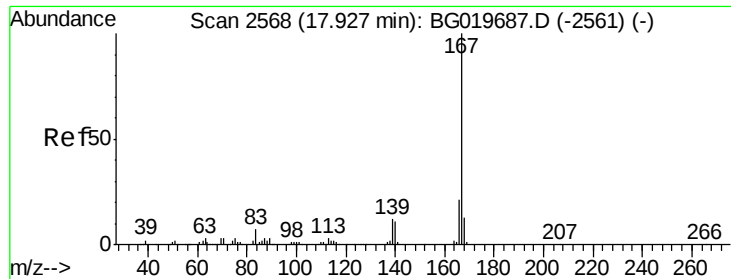
Lab File: BG019678.D

Acq: 18 Nov 2015 2:45

Tgt Ion:	178	Resp:	190202
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.6	19.0
176	19.8	15.0	22.4

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





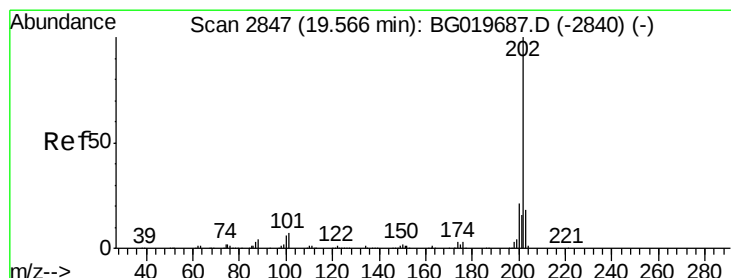
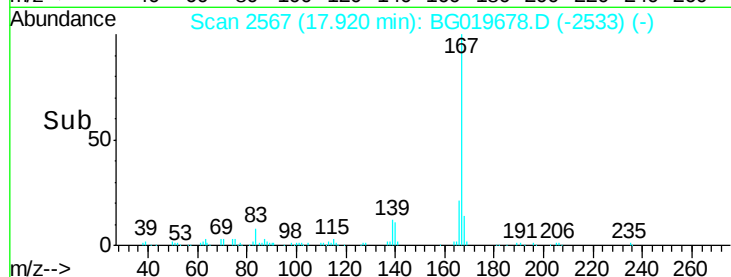
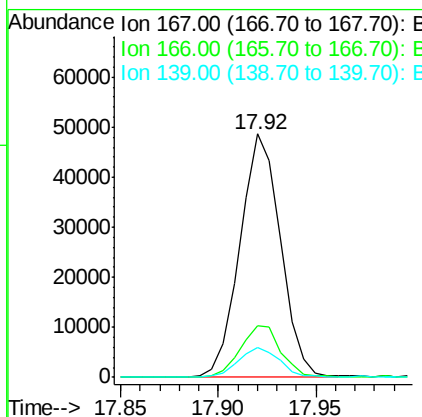
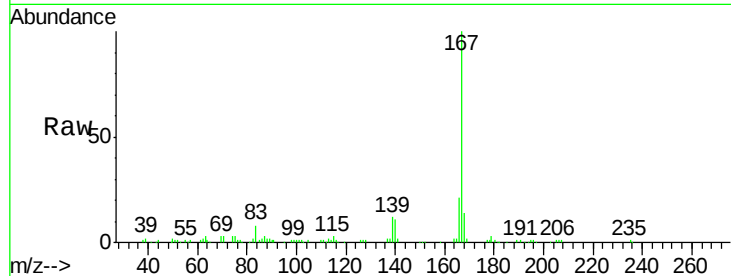
#75
 Carbazole
 Concen: 5.96 ng/ul
 RT: 17.92 min Scan# 2567
 Delta R.T. 0.00 min
 Lab File: BG019678.D
 Acq: 18 Nov 2015 2:45

Instrument :
 BNA_G
 ClientSampleId :
 BC7B0

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.2	18.1	27.1
139	12.1	9.8	14.6

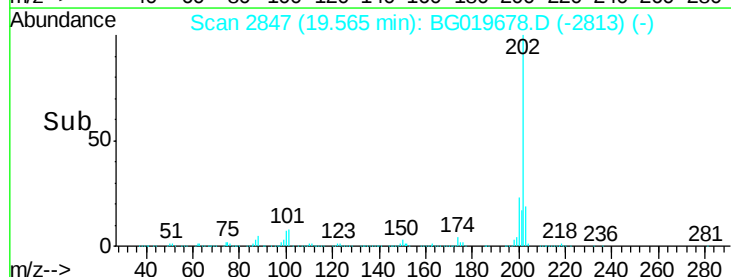
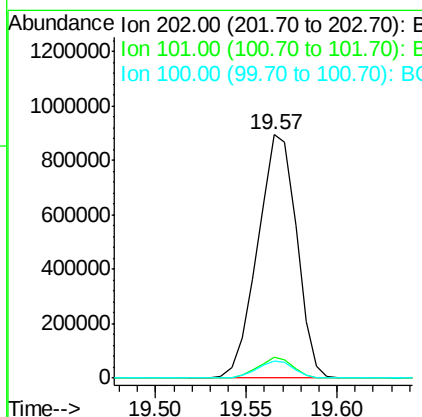
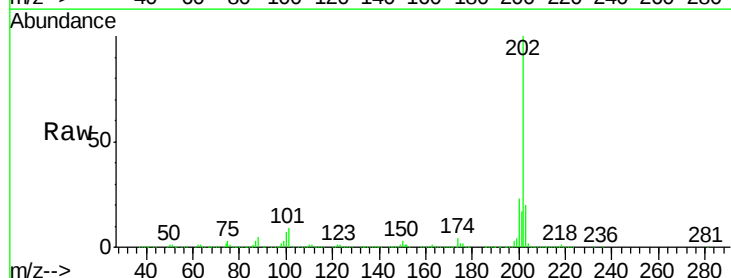
Manual Integrations
 APPROVED

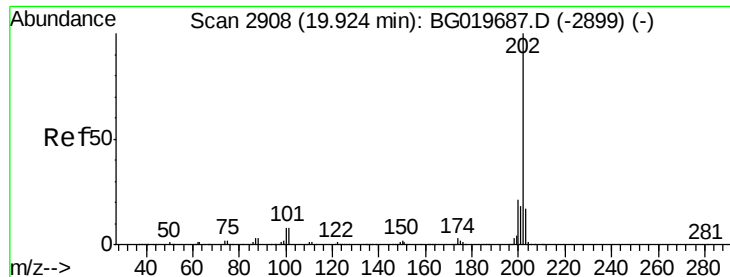
mohammad
 11/19/2015 8:27:16 AM



#77
 Fluoranthene
 Concen: 72.11 ng/ul
 RT: 19.57 min Scan# 2847
 Delta R.T. 0.00 min
 Lab File: BG019678.D
 Acq: 18 Nov 2015 2:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	5.2	7.8#
100	6.9	5.0	7.4





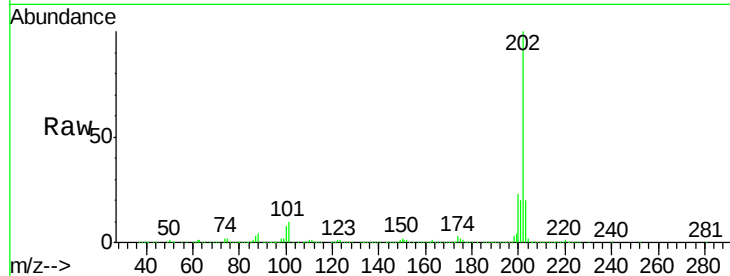
#80
Pvrene
Concen: 55.21 ng/ul
RT: 19.93 min Scan# 2909
Delta R.T. 0.01 min
Lab File: BG019678.D
Acq: 18 Nov 2015 2:45

Instrument :
BNA_G
ClientSampleId :
BC7B0

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.0	10.6
100	8.2	6.6	10.0

Manual Integrations
APPROVED

mohammad
11/19/2015 8:27:16 AM

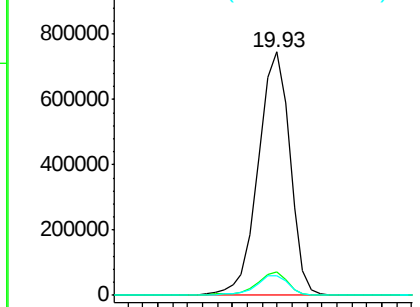


Abundance

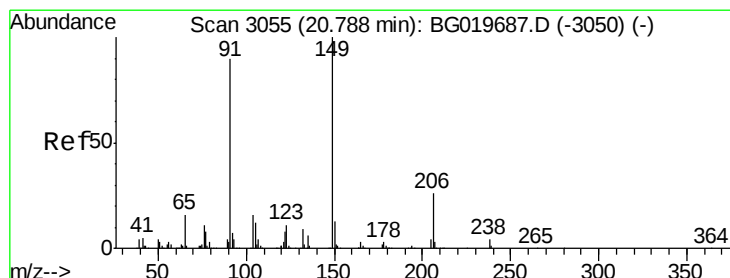
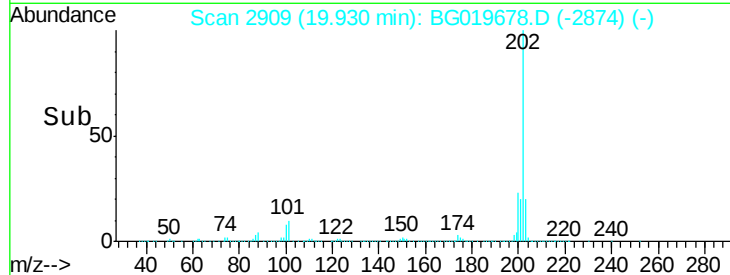
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

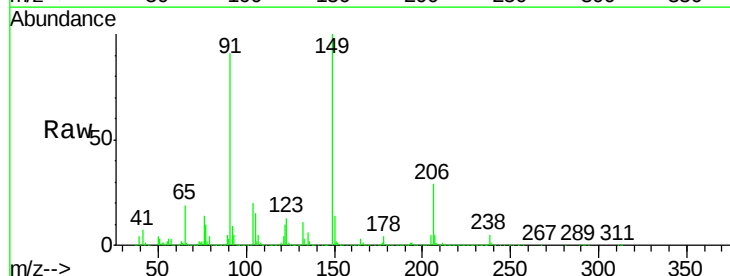


Time-->



#81
Butylbenzylphthalate
Concen: 167.18 ng/ul
RT: 20.80 min Scan# 3057
Delta R.T. 0.01 min
Lab File: BG019678.D
Acq: 18 Nov 2015 2:45

Tgt Ion	Ratio	Lower	Upper
149	100		
91	90.6	71.1	106.7
206	29.2	20.4	30.6

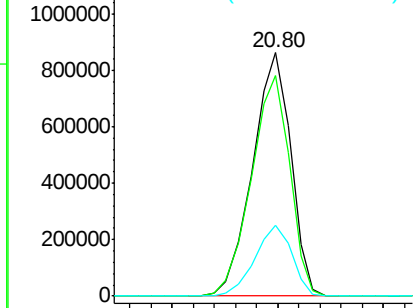


Abundance

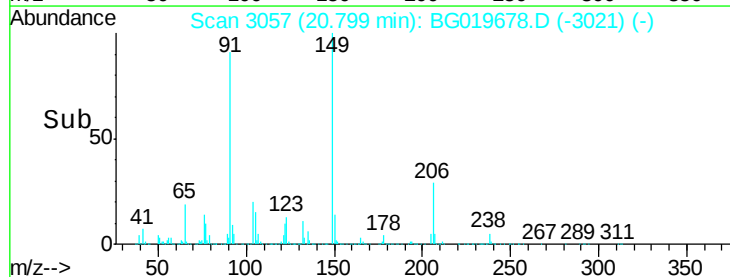
Ion 149.00 (148.70 to 149.70): E

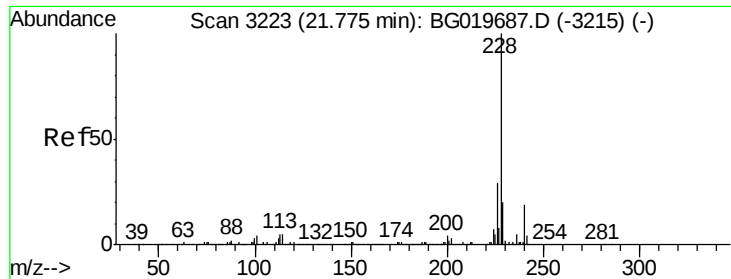
Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E



Time-->





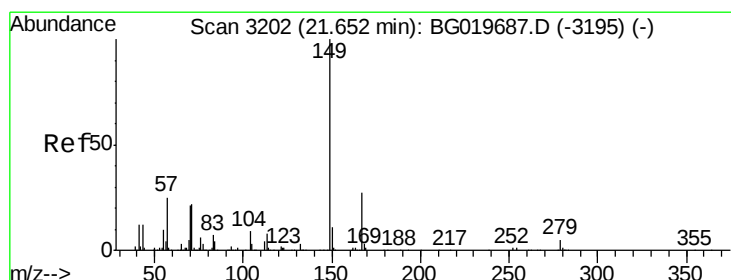
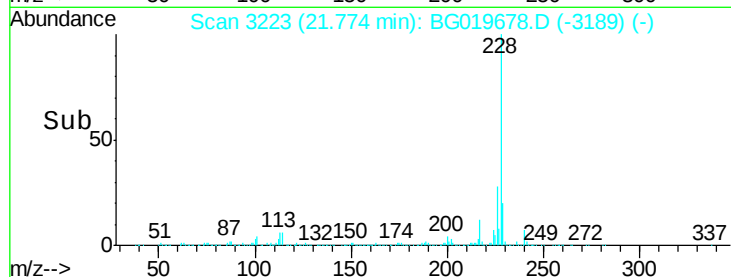
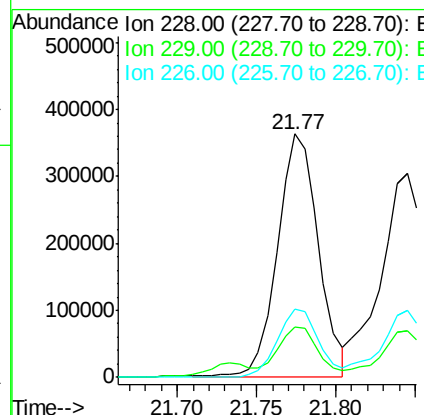
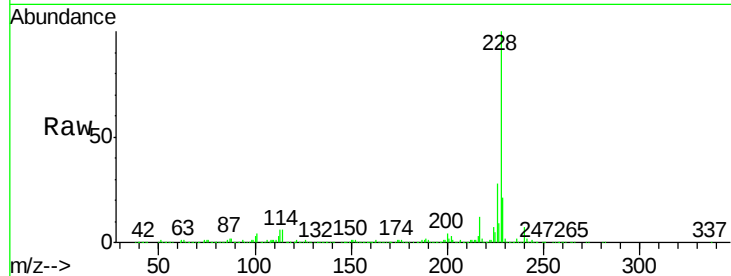
#83
Benzo(a)anthracene
Concen: 31.68 ng/ul
RT: 21.77 min Scan# 3223
Delta R.T. 0.00 min
Lab File: BG019678.D
Acq: 18 Nov 2015 2:45

Instrument :
BNA_G
ClientSampleId :
BC7B0

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.7	23.5
226	28.2	22.6	33.8

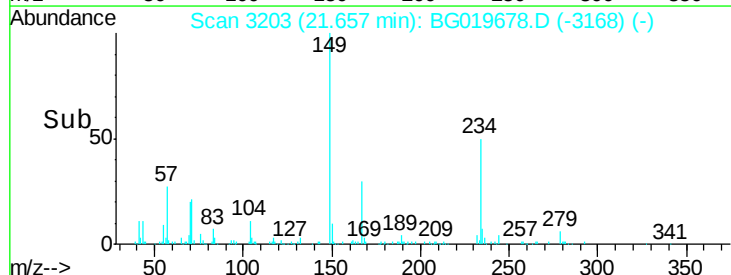
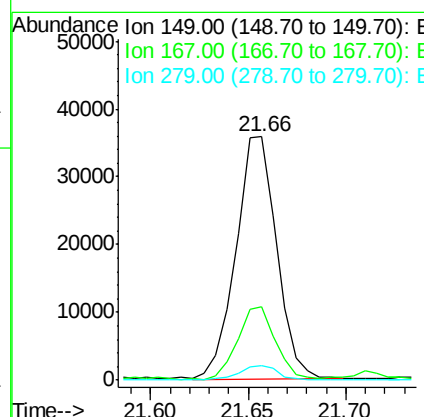
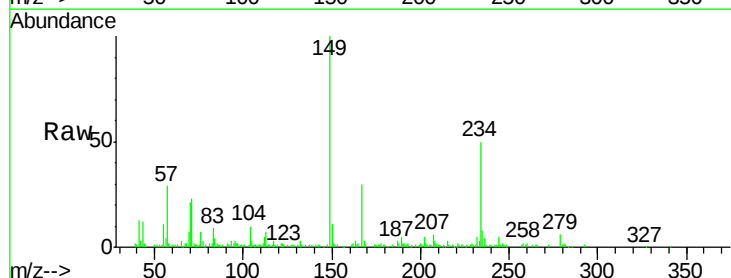
Manual Integrations
APPROVED

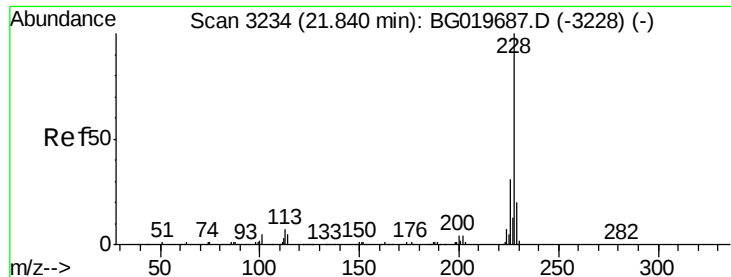
mohammad
11/19/2015 8:27:16 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.43 ng/ul
RT: 21.66 min Scan# 3203
Delta R.T. 0.01 min
Lab File: BG019678.D
Acq: 18 Nov 2015 2:45

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.0	22.4	33.6
279	5.9	3.6	5.4#





#85

Chrysene

Concen: 29.79 ng/ul

RT: 21.84 min Scan# 3235

Delta R.T. 0.01 min

Lab File: BG019678.D

Acq: 18 Nov 2015 2:45

Instrument :

BNA_G

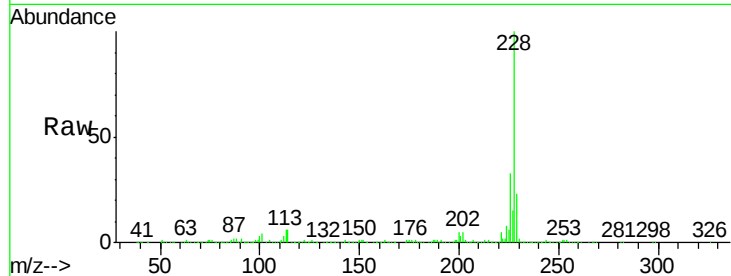
ClientSampleId :

BC7B0

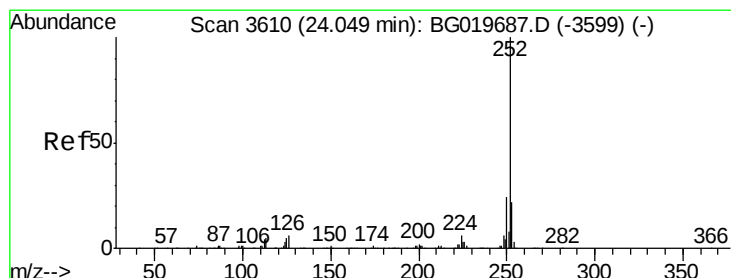
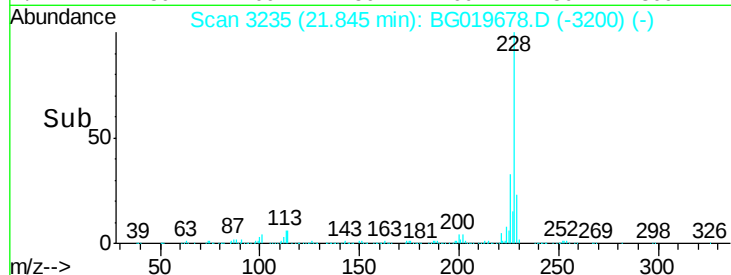
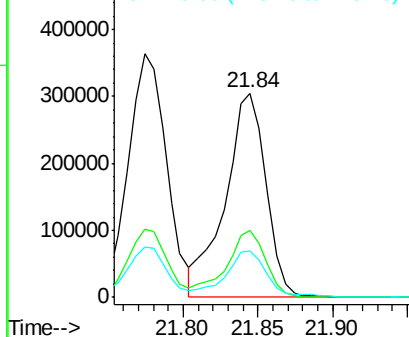
Tot Ion:	228	Resp:	575660
Ion Ratio		Lower	Upper
228	100		
226	32.8	24.9	37.3
229	22.9	17.0	25.6

Manual Integrations
APPROVED

mohammad
11/19/2015 8:27:16 AM



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: 34.30 ng/ul

RT: 24.06 min Scan# 3612

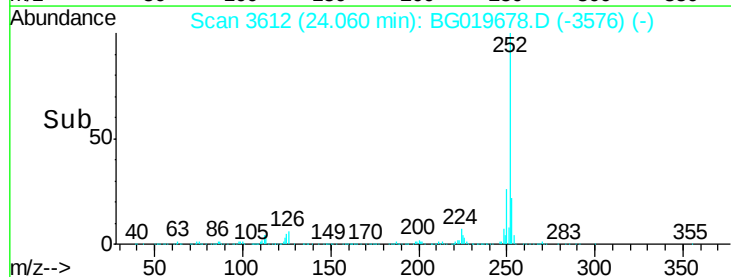
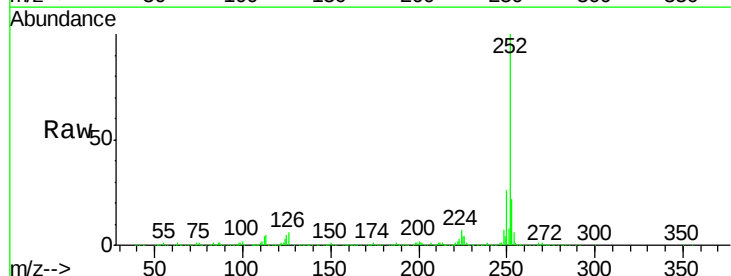
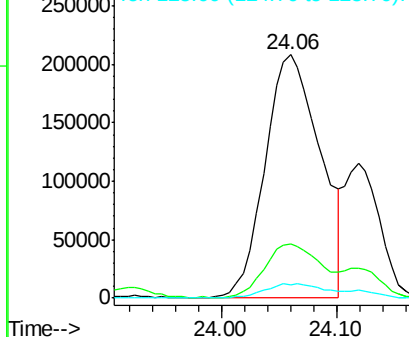
Delta R.T. 0.01 min

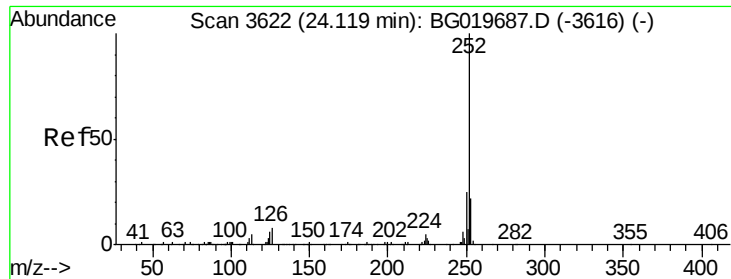
Lab File: BG019678.D

Acq: 18 Nov 2015 2:45

Tgt Ion:	252	Resp:	692219
Ion Ratio		Lower	Upper
252	100		
253	22.3	17.1	25.7
125	5.3	4.2	6.4

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: 10.49 ng/ul

RT: 24.12 min Scan# 3622

Delta R.T. 0.00 min

Lab File: BG019678.D

Acq: 18 Nov 2015 2:45

Instrument :

BNA_G

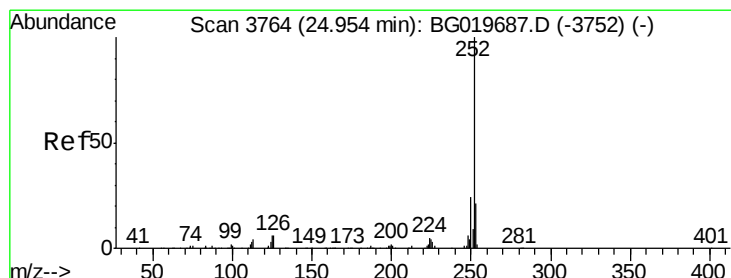
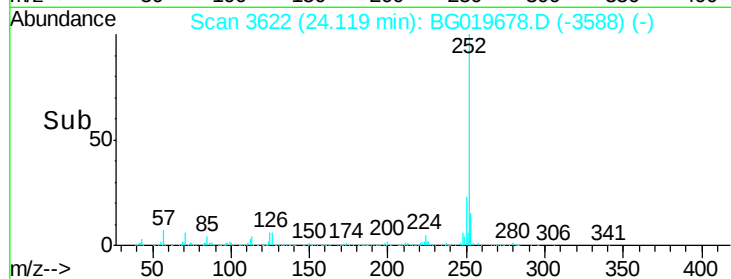
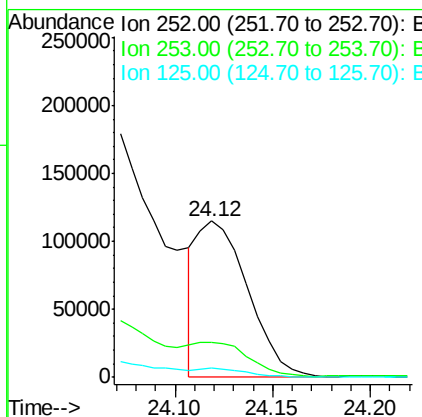
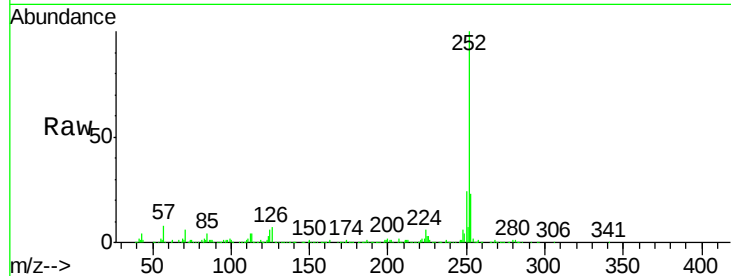
ClientSampleId :

BC7B0

Tot Ion:	252	Resp:	204321
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.1	25.7
125	6.2	4.4	6.6

Manual Integrations
APPROVED

mohammad
11/19/2015 8:27:16 AM



#91

Benzo(a)pyrene

Concen: 24.43 ng/ul

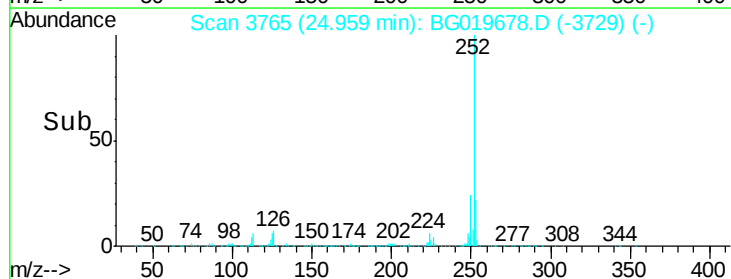
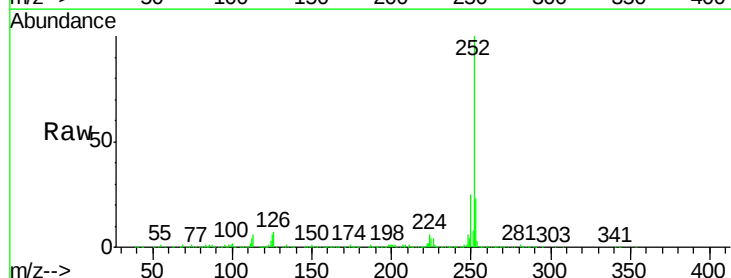
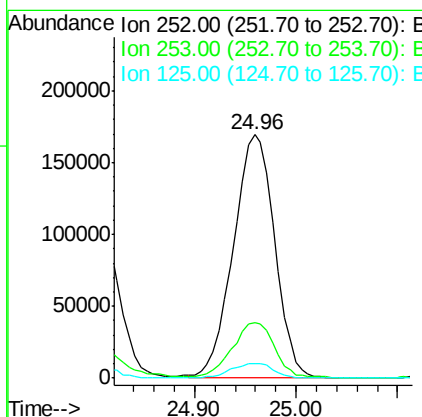
RT: 24.96 min Scan# 3765

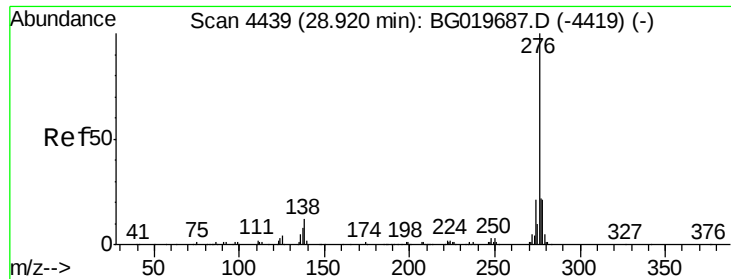
Delta R.T. 0.01 min

Lab File: BG019678.D

Acq: 18 Nov 2015 2:45

Tgt Ion:	252	Resp:	474610
Ion Ratio	Lower	Upper	
252	100		
253	22.8	16.9	25.3
125	5.9	5.4	8.0





#92

Indeno(1,2,3-cd)pyrene

Concen: 14.79 ng/ul

RT: 28.92 min Scan# 4439

Delta R.T. 0.02 min

Lab File: BG019678.D

Acq: 18 Nov 2015 2:45

Instrument :

BNA_G

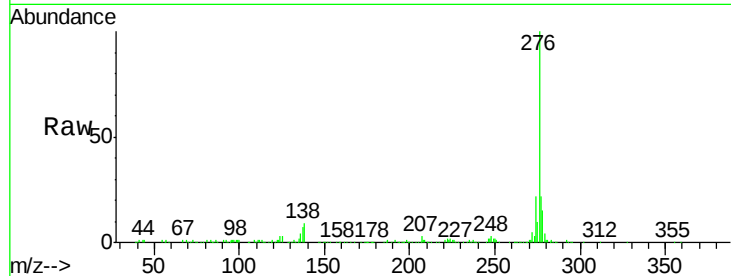
ClientSampleId :

BC7B0

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	9.5	9.9	14.9#
277	22.2	21.3	31.9

Manual Integrations
APPROVED

mohammad
11/19/2015 8:27:16 AM

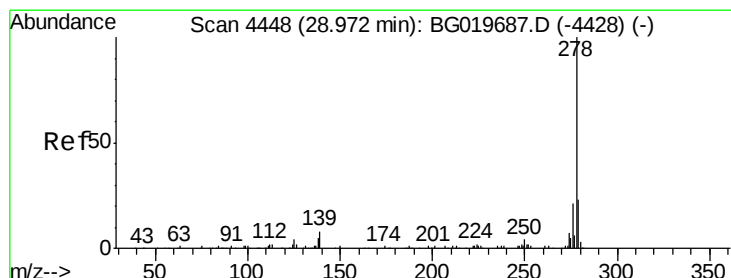
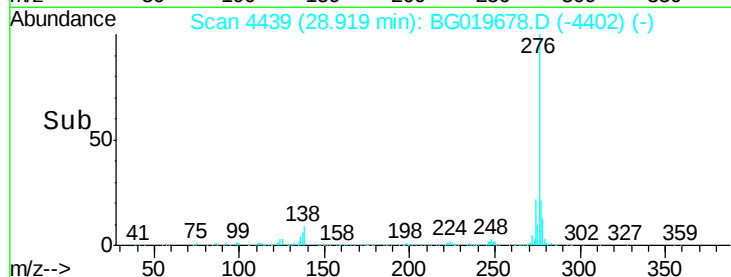
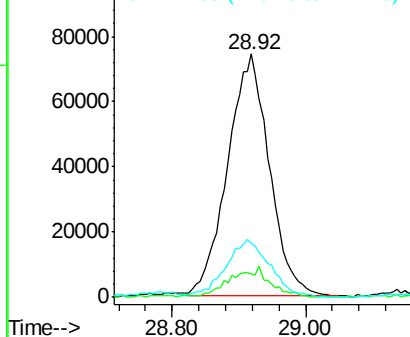


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#93

Dibenzo(a,h)anthracene

Concen: 4.79 ng/ul

RT: 28.95 min Scan# 4444

Delta R.T. -0.02 min

Lab File: BG019678.D

Acq: 18 Nov 2015 2:45

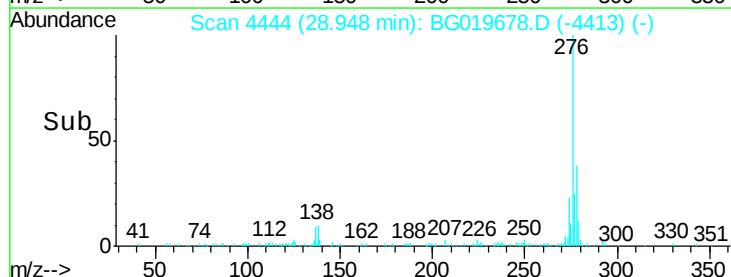
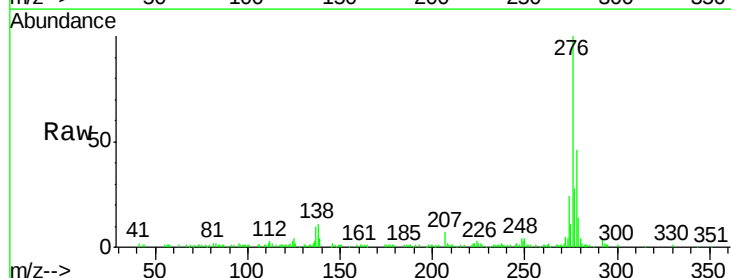
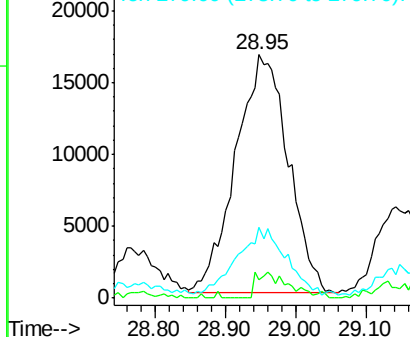
Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	7.7	5.9	8.9
279	29.3	18.2	27.2#

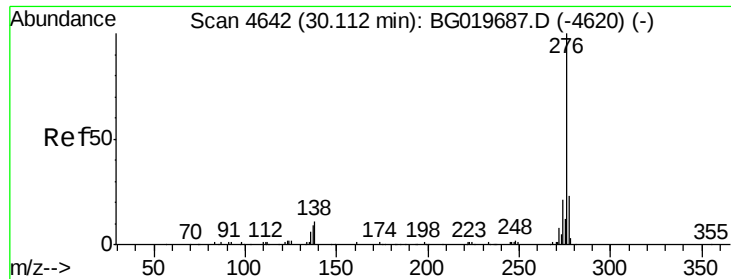
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94
 Benzo(a,h,i)perylene
 Concen: 16.01 ng/ul
 RT: 30.10 min Scan# 4640
 Delta R.T. 0.01 min
 Lab File: BG019678.D
 Acq: 18 Nov 2015 2:45

Instrument :
 BNA_G
 ClientSampleId :
 BC7B0

Tot Ion:	276	Resp:	288844
Ion Ratio	Lower	Upper	
276	100		
138	10.6	9.2	13.8
277	22.0	18.6	28.0

Manual Integrations
 APPROVED

mohammad
 11/19/2015 8:27:16 AM

