

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031017\
 Data File : BG026204.D
 Acq On : 11 Mar 2017 11:57
 Operator : SJ/MA
 Sample : I2072-01
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AJ8

Manual Integrations
 APPROVED

mohammad
 3/13/2017 3:34:50 PM

Quant Time: Mar 13 12:17:42 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030717MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 11 00:32:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	125856	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	557127	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.67	164	313874	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.40	188	722473	20.00	ng/ul	0.00
77) Chrysene-d12	21.65	240	777148	20.00	ng/ul	0.00
85) Perylene-d12	24.84	264	762953	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.50	96	5359	1.83	ng/uL	0.00
5) Phenol-d5	7.22	99	150058	16.04	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	110487	18.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.60	132	126043	16.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	118579	16.22	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	68124	16.93	ng/ul	0.00
22) 2-Nitrophenol-d4	9.94	143	53553	16.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	119665	16.19	ng/ul	0.00
29) 4-Chloroaniline-d4	10.99	131	1995	0.20	ng/ul	0.00
43) Dimethylphthalate-d6	14.07	166	404712	19.82	ng/ul	0.00
46) Acenaphthylene-d8	14.36	160	543514	19.83	ng/ul	0.00
51) 4-Nitrophenol-d4	14.85	143	46871	11.66	ng/ul	0.00
57) Fluorene-d10	15.65	176	399177	19.83	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.76	200	31613	9.33	ng/ul	0.00
70) Anthracene-d10	17.50	188	599504	18.29	ng/ul	0.00
78) Pyrene-d10	19.77	212	667133	20.87	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.62	264	632847	18.82	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	7.24	94	14180	1.46 ng/ul#	90
14) Acetophenone	8.88	105	14481	1.21 ng/ul#	71
28) Naphthalene	10.91	128	622941	22.95 ng/ul	98
34) 2-Methylnaphthalene	12.51	142	114023	5.62 ng/ul	96
40) 1,1'-Biphenyl	13.51	154	38696	1.68 ng/ul	97
44) Dimethylphthalate	14.11	163	223290	11.16 ng/ul	100
49) Acenaphthene	14.73	153	449735	23.21 ng/ul	97
53) Dibenzofuran	15.06	168	378326	13.95 ng/ul	93
58) Fluorene	15.71	166	422668	18.77 ng/ul	96
69) Phenanthrene	17.44	178	3715068m	97.03 ng/ul	
71) Anthracene	17.53	178	868888	22.51 ng/ul	97
74) Carbazole	17.79	167	509675	14.71 ng/ul	96
75) Di-n-butylphthalate	18.35	149	36943	1.05 ng/ul	98
76) Fluoranthene	19.45	202	4260398	98.67 ng/ul#	83
79) Pyrene	19.81	202	3856472	97.31 ng/ul#	85
82) Benzo(a)anthracene	21.63	228	2375597	55.86 ng/ul	91
84) Chrysene	21.70	228	2277775m	55.99 ng/ul	
87) Benzo(b)fluoranthene	23.84	252	2712661	64.12 ng/ul#	95
88) Benzo(k)fluoranthene	23.90	252	984945m	23.89 ng/ul	
90) Benzo(a)pyrene	24.70	252	1845752	44.40 ng/ul	95
91) Indeno(1,2,3-cd)pyrene	28.48	276	1120096	22.35 ng/ul	97
92) Dibenzo(a,h)anthracene	28.52	278	312116	7.55 ng/ul	95
93) Benzo(g,h,i)perylene	29.62	276	940922	22.60 ng/ul	99

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031017\
Data File : BG026204.D
Acq On : 11 Mar 2017 11:57
Operator : SJ/MA
Sample : I2072-01
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AJ8

Manual Integrations
APPROVED

mohammad
3/13/2017 3:34:50 PM

Quant Time: Mar 13 12:17:42 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 11 00:32:15 2017
Response via : Initial Calibration

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

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

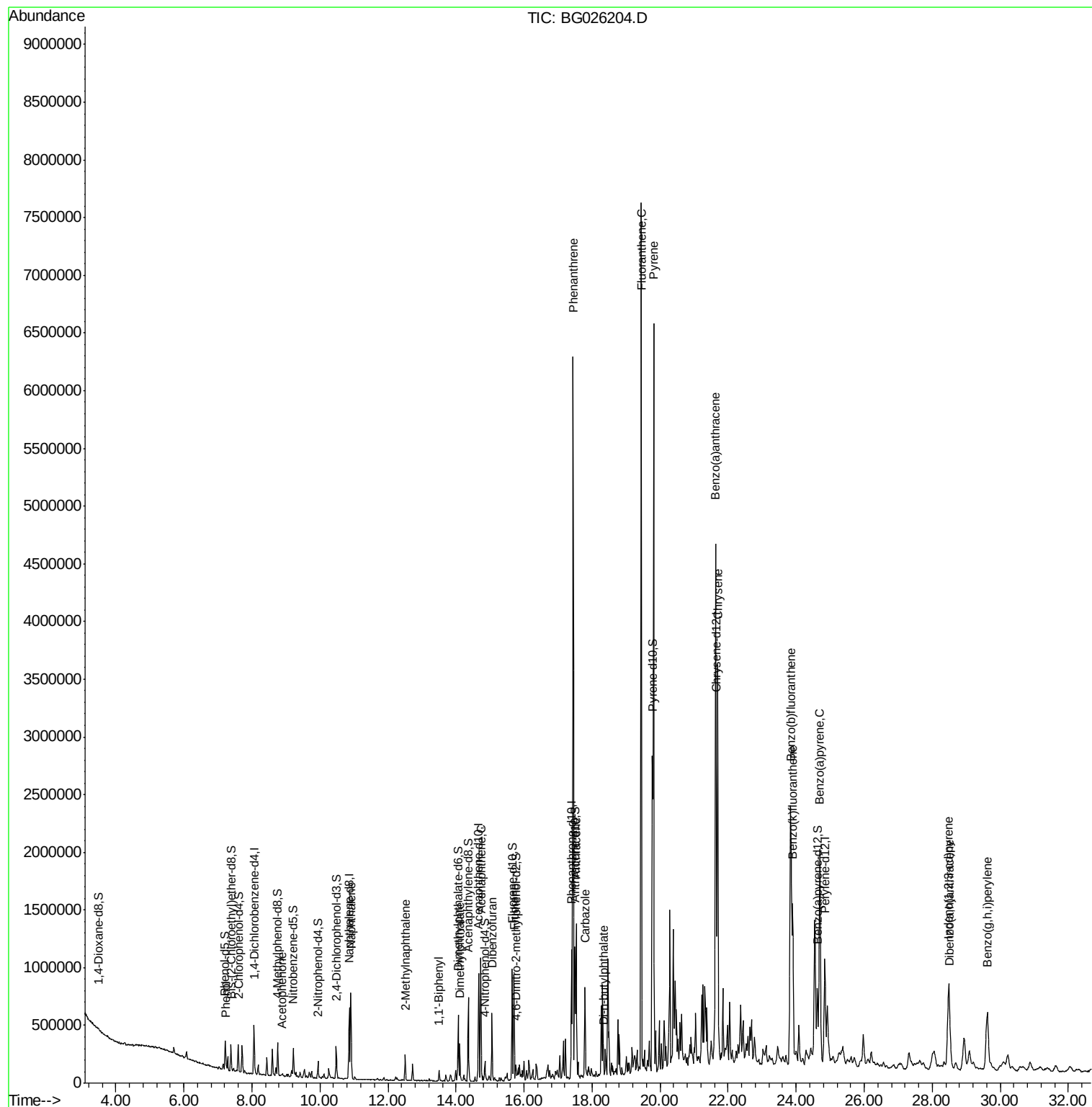
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031017\
Data File : BG026204.D
Acq On : 11 Mar 2017 11:57
Operator : SJ/MA
Sample : I2072-01
Misc :
ALS Vial : 39 Sample Multiplier: 1

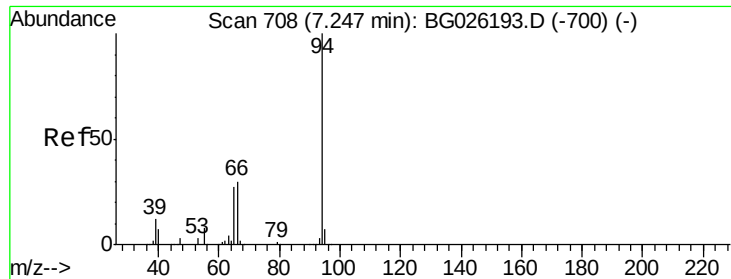
Instrument :
BNA_G
ClientSampleId :
C0AJ8

Manual Integrations
APPROVED

mohammad
3/13/2017 3:34:50 PM

Quant Time: Mar 13 12:17:42 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 11 00:32:15 2017
Response via : Initial Calibration





#6

Phenol

Concen: 1.46 ng/ul

RT: 7.24 min Scan# 707

Delta R.T. 0.00 min

Lab File: BG026204.D

Acq: 11 Mar 2017 11:57

Instrument :

BNA_G

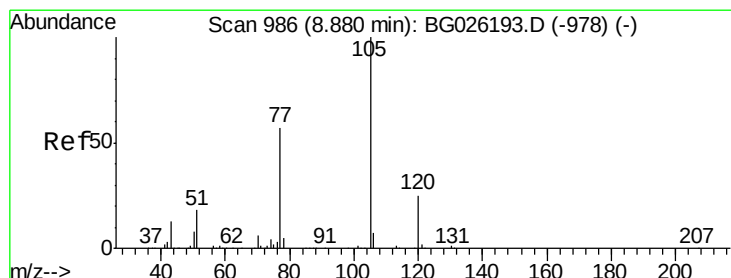
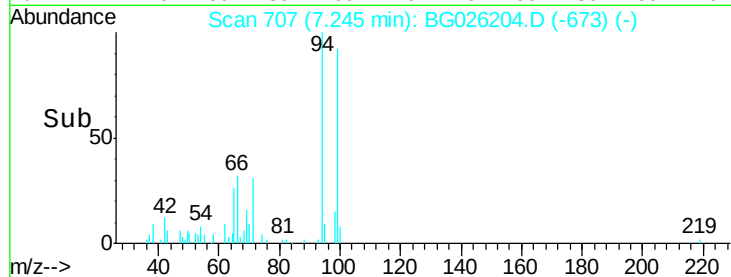
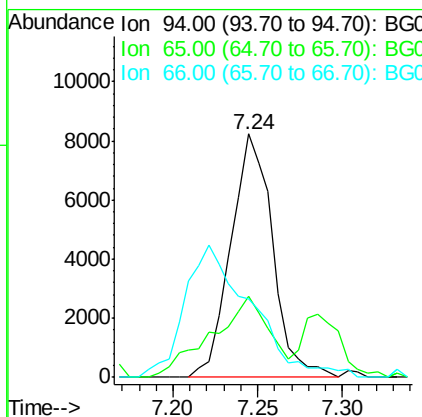
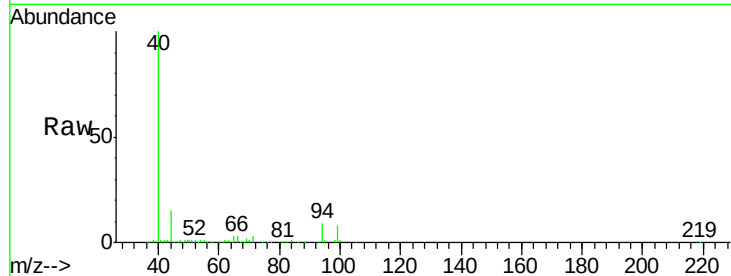
ClientSampled :

C0AJ8

Tgt Ion:	94	Resp:	14180
Ion Ratio	Lower	Upper	
94	100		
65	33.1	21.0	31.6#
66	32.2	29.3	43.9

Manual Integrations
APPROVED

mohammad
3/13/2017 3:34:50 PM



#14

Acetophenone

Concen: 1.21 ng/ul

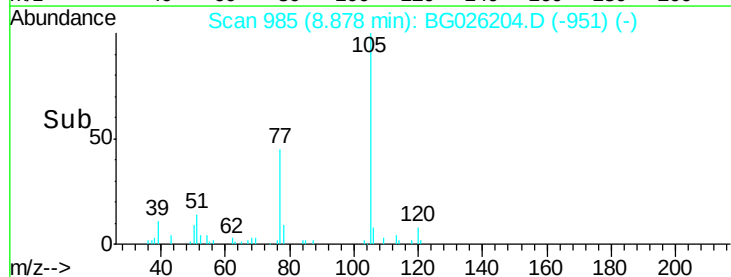
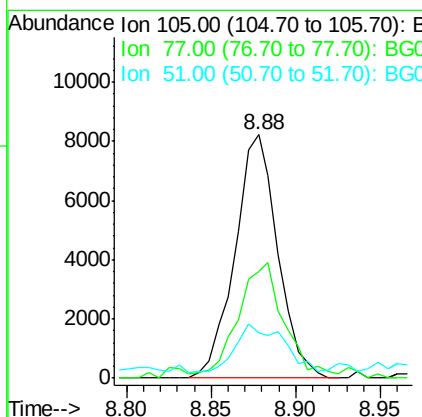
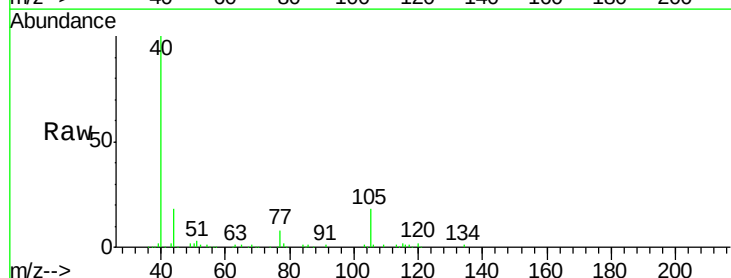
RT: 8.88 min Scan# 985

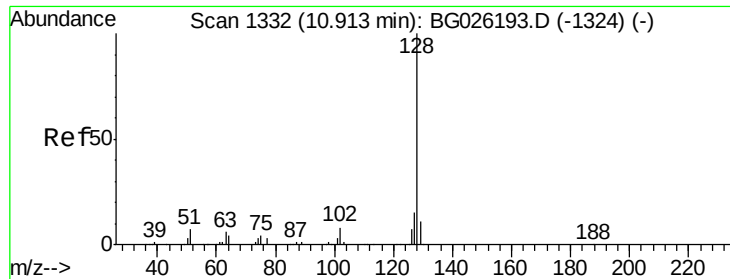
Delta R.T. 0.00 min

Lab File: BG026204.D

Acq: 11 Mar 2017 11:57

Tgt Ion:	105	Resp:	14481
Ion Ratio	Lower	Upper	
105	100		
77	44.0	59.0	88.4#
51	18.4	16.4	24.6





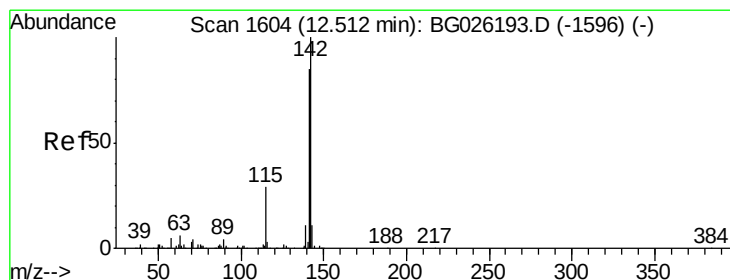
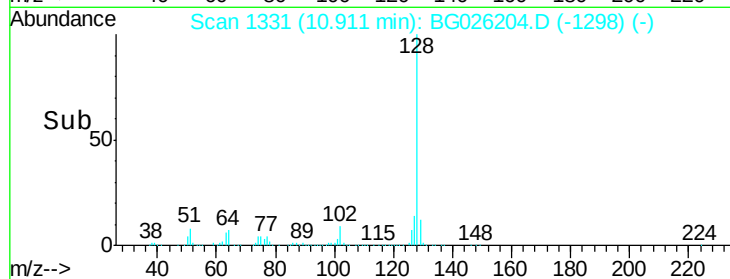
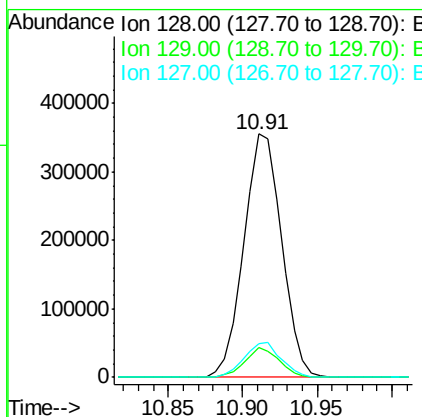
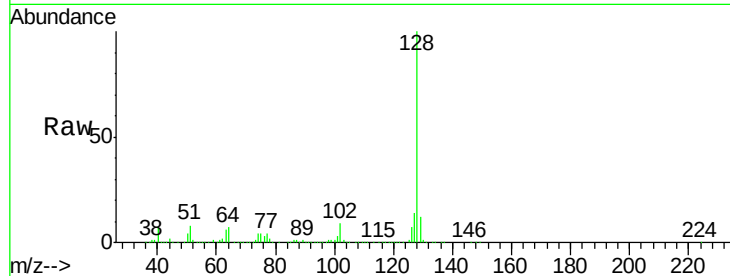
#28
Naphthalene
Concen: 22.95 ng/ul
RT: 10.91 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BG026204.D
Acq: 11 Mar 2017 11:57

Instrument :
BNA_G
ClientSampleId :
C0AJ8

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.2	8.8	13.2
127	13.6	10.5	15.7

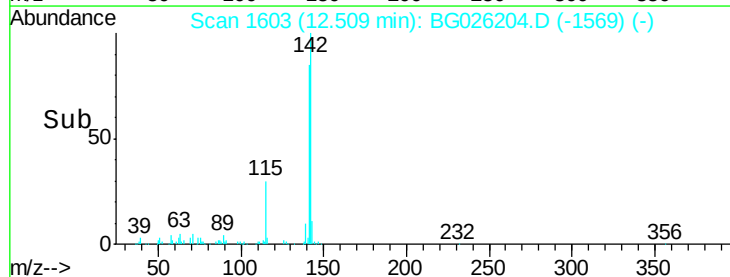
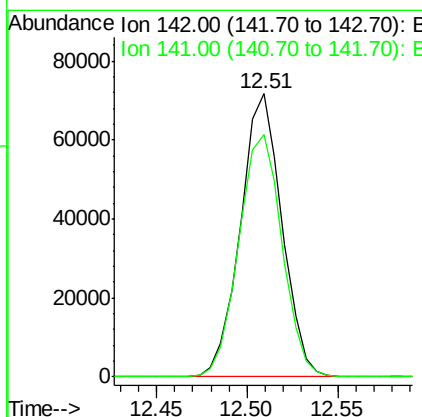
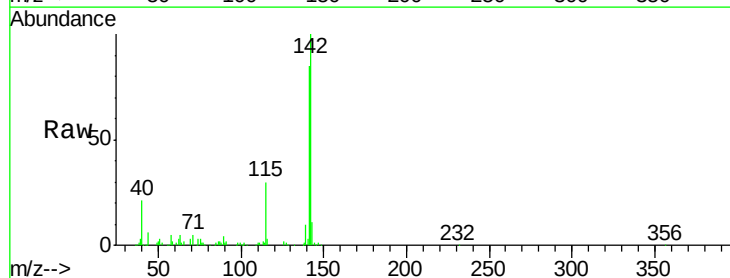
Manual Integrations
APPROVED

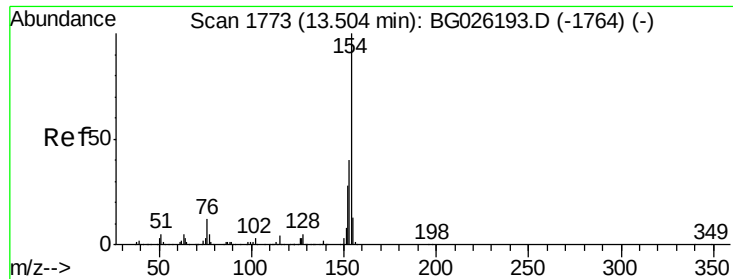
mohammad
3/13/2017 3:34:50 PM



#34
2-Methylnaphthalene
Concen: 5.62 ng/ul
RT: 12.51 min Scan# 1603
Delta R.T. 0.00 min
Lab File: BG026204.D
Acq: 11 Mar 2017 11:57

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.4	71.6	107.4





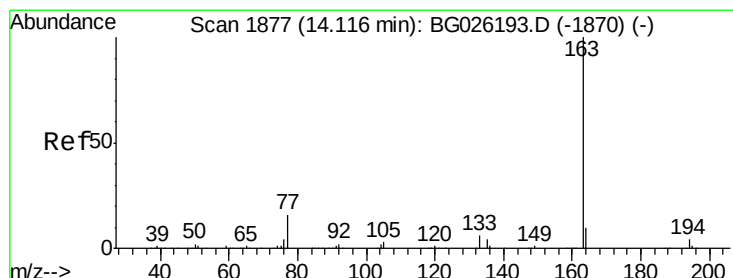
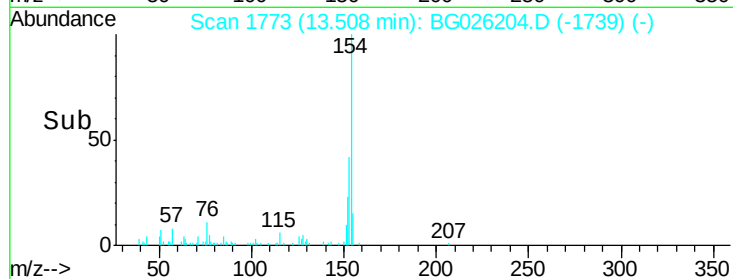
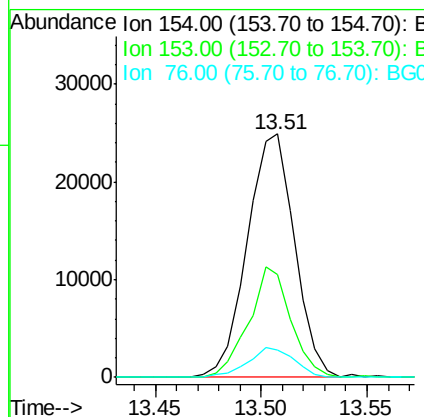
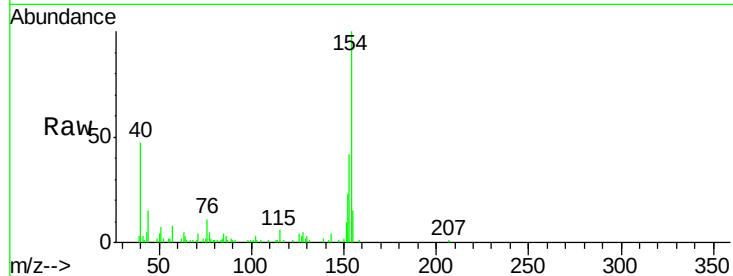
#40
1,1'-Biphenyl
Concen: 1.68 ng/ul
RT: 13.51 min Scan# 1773
Delta R.T. 0.00 min
Lab File: BG026204.D
Acq: 11 Mar 2017 11:57

Instrument :
BNA_G
ClientSampleId :
C0AJ8

Tgt Ion:	154	Resp:	38696
Ion Ratio	Lower	Upper	
154	100		
153	42.4	32.1	48.1
76	11.2	9.5	14.3

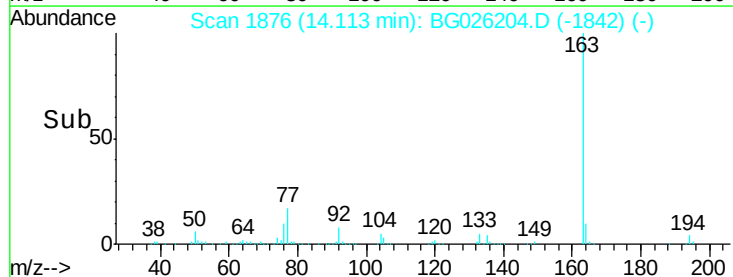
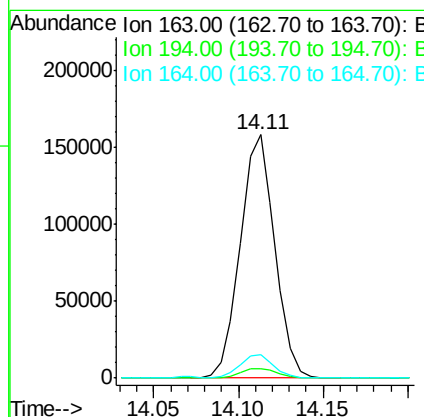
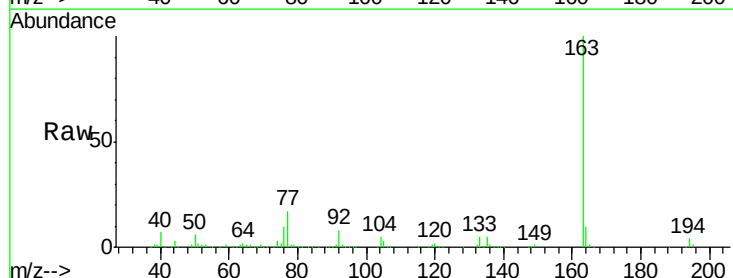
Manual Integrations
APPROVED

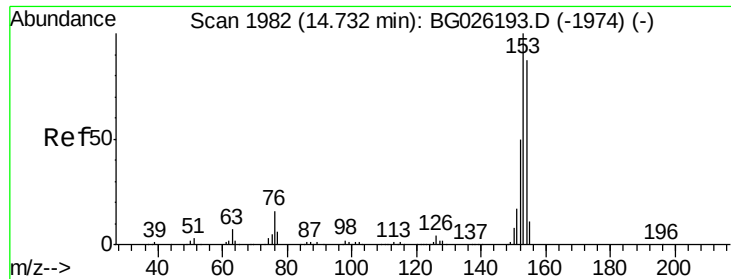
mohammad
3/13/2017 3:34:50 PM



#44
Dimethylphthalate
Concen: 11.16 ng/ul
RT: 14.11 min Scan# 1876
Delta R.T. 0.00 min
Lab File: BG026204.D
Acq: 11 Mar 2017 11:57

Tgt Ion:	163	Resp:	223290
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.2	4.8
164	9.6	7.8	11.8





#49

Acenaphthene

Concen: 23.21 ng/ul

RT: 14.73 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BG026204.D

Acq: 11 Mar 2017 11:57

Instrument :

BNA_G

ClientSampleId :

C0AJ8

Tgt Ion:153 Resp: 449735
Ion Ratio Lower Upper

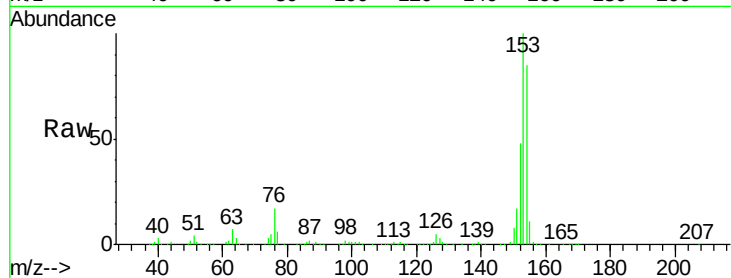
153 100

152 47.6 38.3 57.5

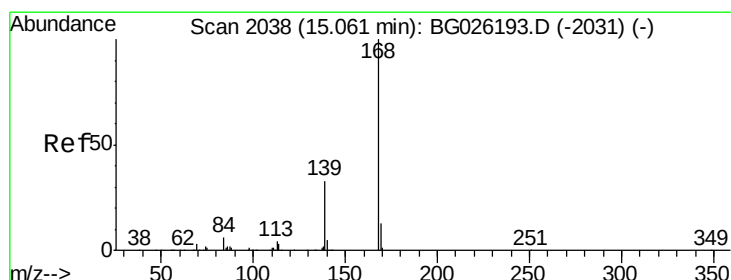
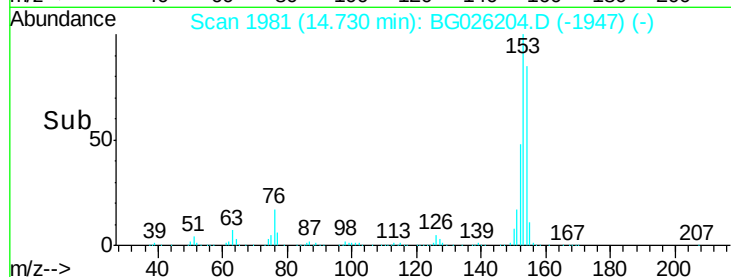
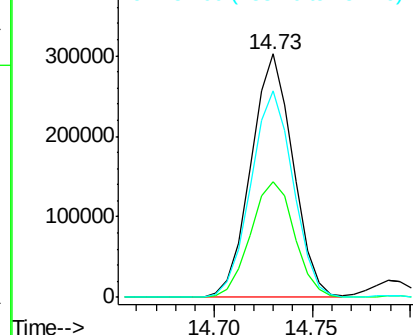
154 85.0 71.8 107.8

Manual Integrations
APPROVED

mohammad
3/13/2017 3:34:50 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



#53

Dibenzofuran

Concen: 13.95 ng/ul

RT: 15.06 min Scan# 2037

Delta R.T. -0.01 min

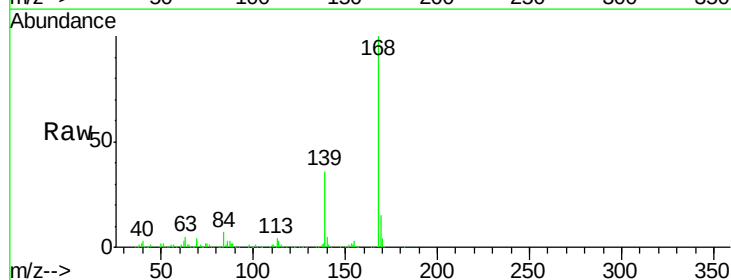
Lab File: BG026204.D

Acq: 11 Mar 2017 11:57

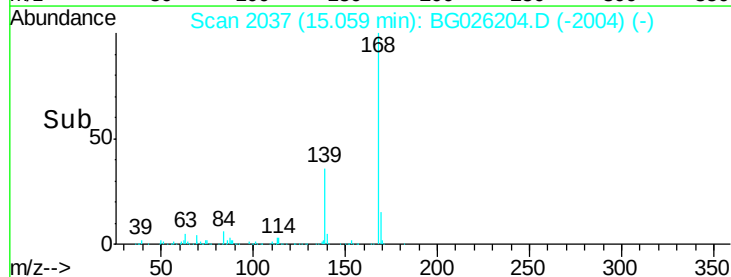
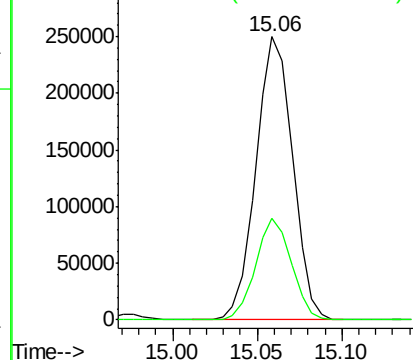
Tgt Ion:168 Resp: 378326
Ion Ratio Lower Upper

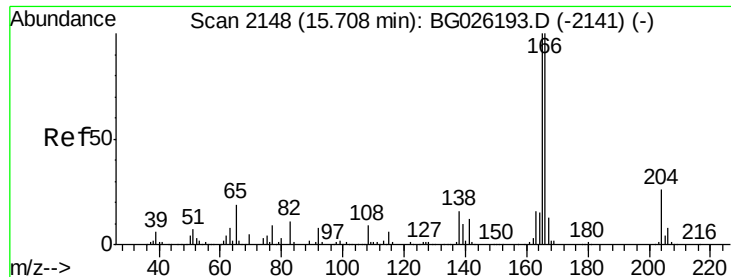
168 100

139 35.8 32.2 48.2



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





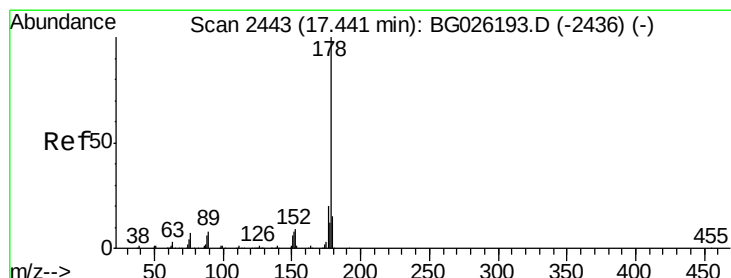
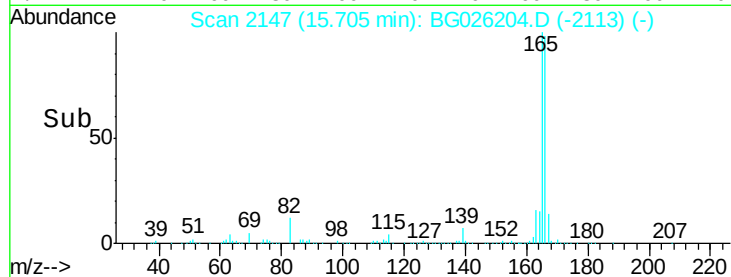
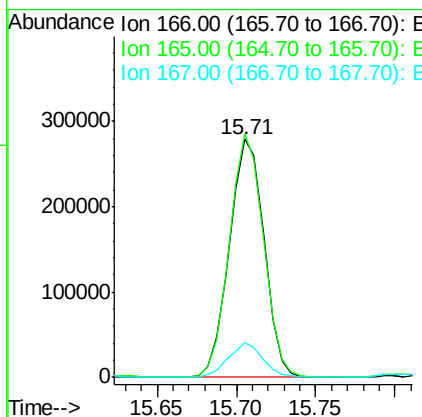
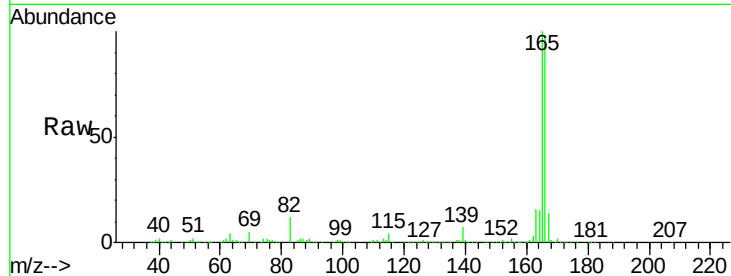
#58
 Fluorene
 Concen: 18.77 ng/ul
 RT: 15.71 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: BG026204.D
 Acq: 11 Mar 2017 11:57

Instrument :
 BNA_G
 ClientSampleId :
 C0AJ8

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.3	78.5	117.7
167	14.5	10.7	16.1

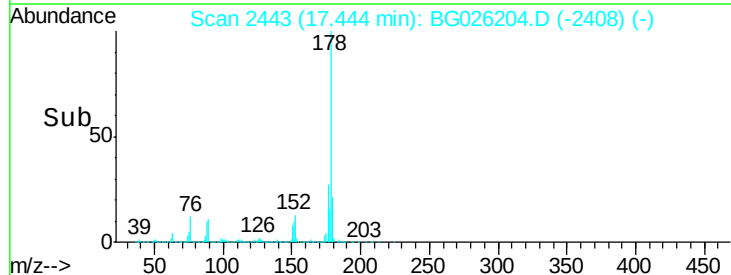
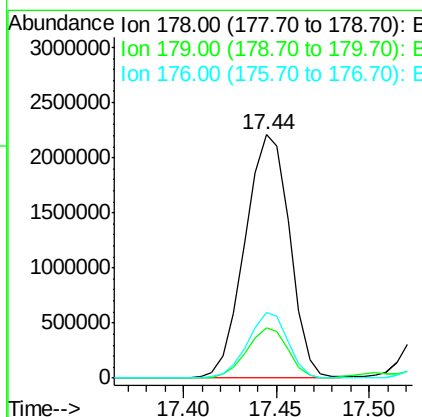
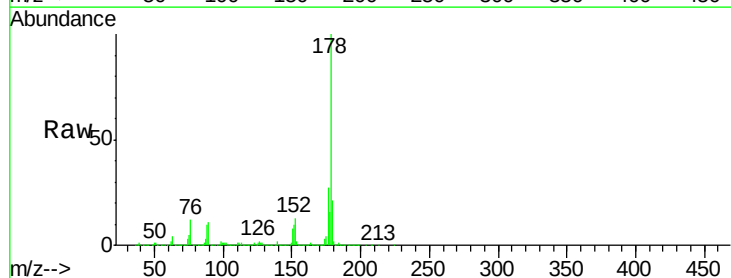
Manual Integrations
 APPROVED

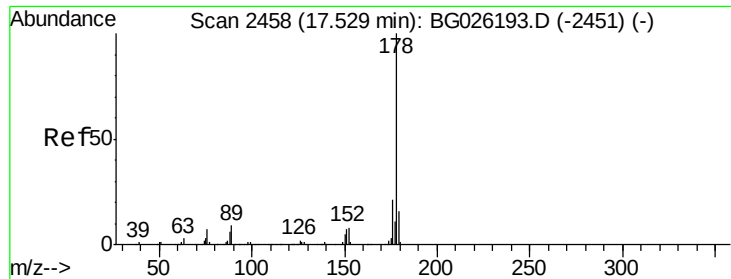
mohammad
 3/13/2017 3:34:50 PM



#69
 Phenanthrene
 Concen: 97.03 ng/ul m
 RT: 17.44 min Scan# 2443
 Delta R.T. 0.01 min
 Lab File: BG026204.D
 Acq: 11 Mar 2017 11:57

Tgt Ion	Ratio	Lower	Upper
178	100		
179	20.9	12.2	18.4#
176	26.7	15.6	23.4#





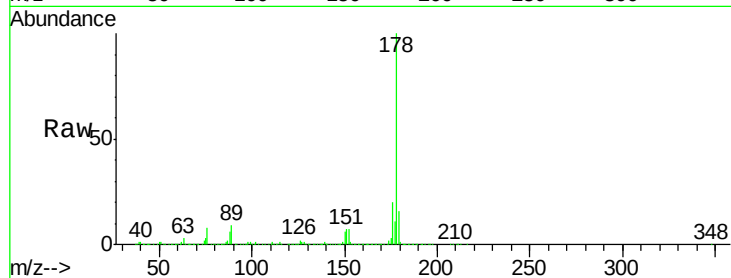
#71
 Anthracene
 Concen: 22.51 ng/ul
 RT: 17.53 min Scan# 2458
 Delta R.T. 0.00 min
 Lab File: BG026204.D
 Acq: 11 Mar 2017 11:57

Instrument :
 BNA_G
 ClientSampleId :
 C0AJ8

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.1	18.1
176	20.3	14.8	22.2

Manual Integrations
 APPROVED

mohammad
 3/13/2017 3:34:50 PM

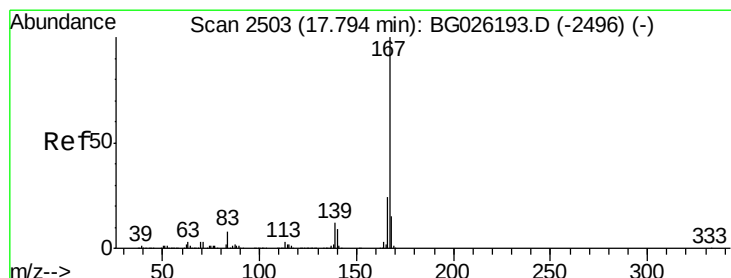
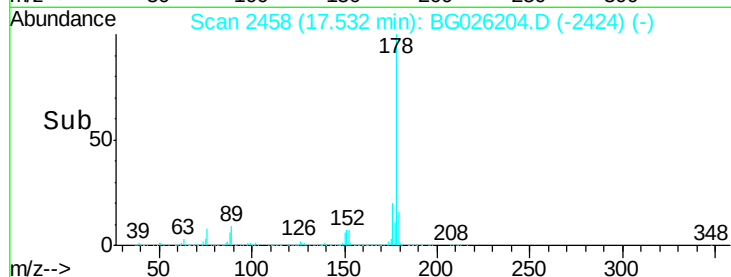
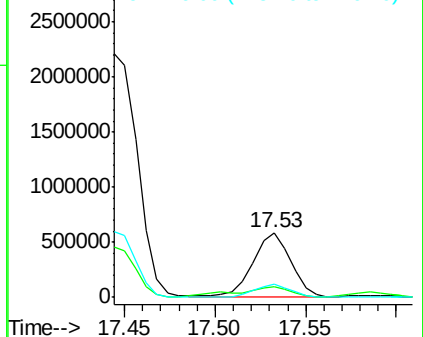


Abundance

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



#74
 Carbazole
 Concen: 14.71 ng/ul
 RT: 17.79 min Scan# 2502
 Delta R.T. 0.00 min
 Lab File: BG026204.D
 Acq: 11 Mar 2017 11:57

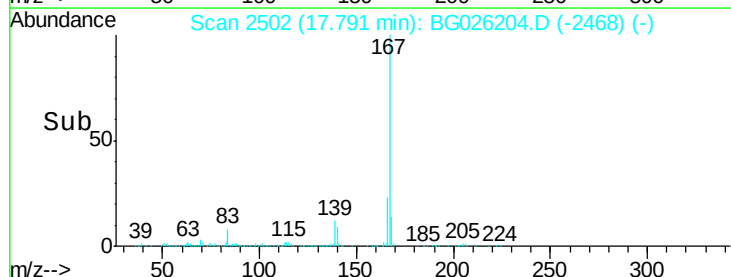
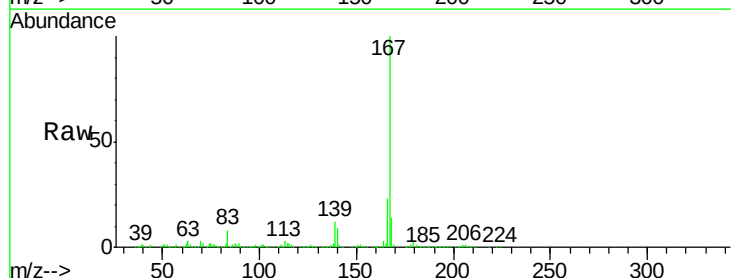
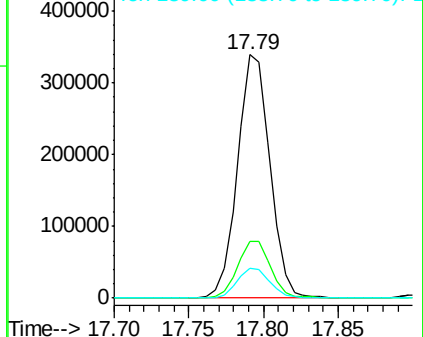
Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.5	17.0	25.6
139	12.0	11.0	16.4

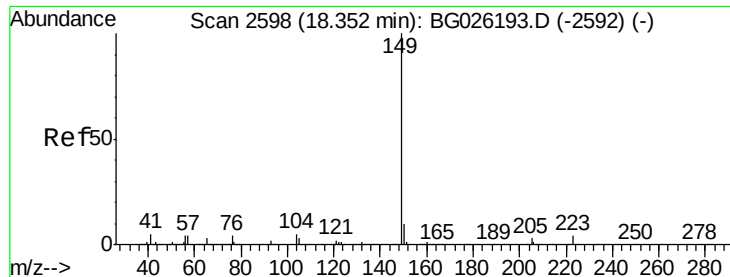
Abundance

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





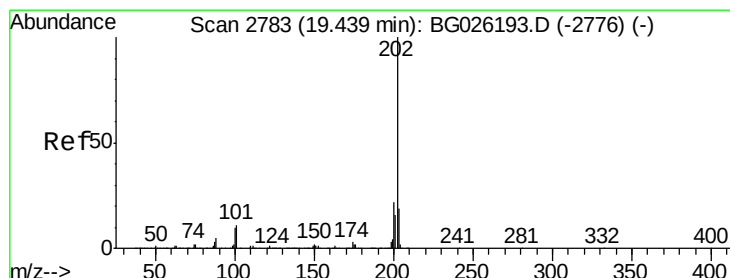
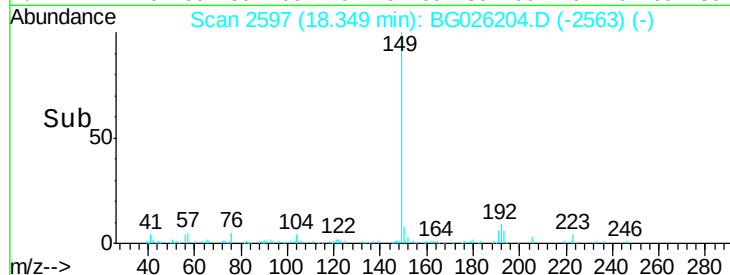
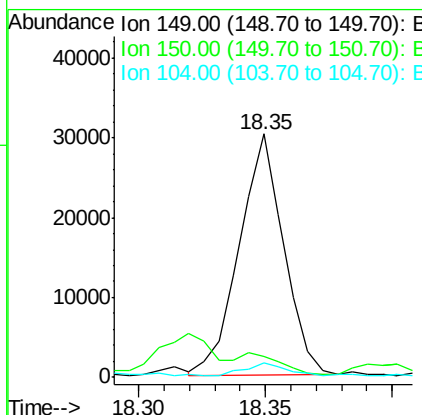
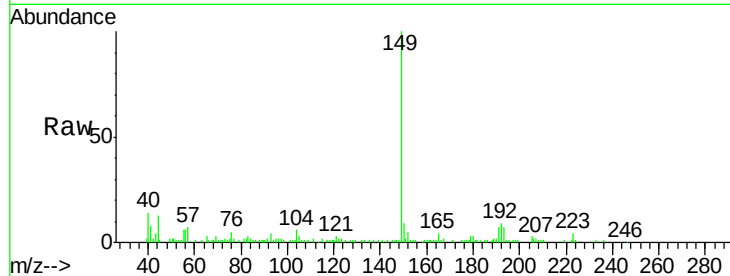
#75
Di-n-butylphthalate
Concen: 1.05 ng/ul
RT: 18.35 min Scan# 2597
Delta R.T. 0.00 min
Lab File: BG026204.D
Acq: 11 Mar 2017 11:57

Instrument :
BNA_G
ClientSampleId :
C0AJ8

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	36943		
150	8.8	7.4	11.0	
104	5.8	4.0	6.0	

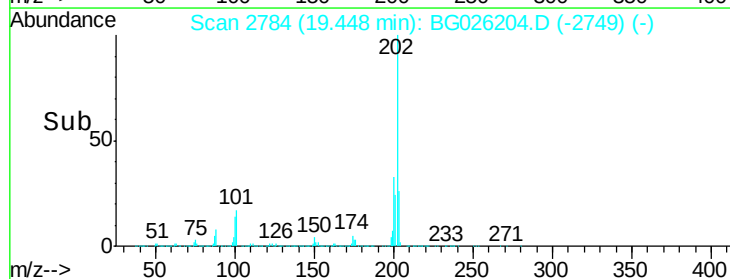
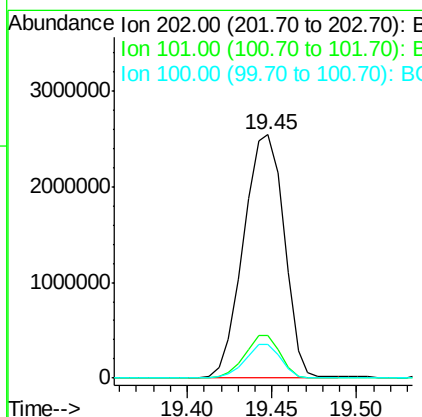
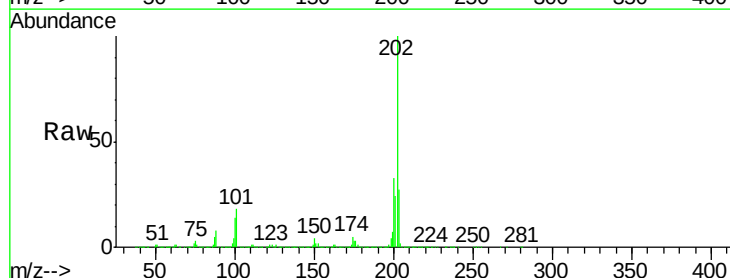
Manual Integrations
APPROVED

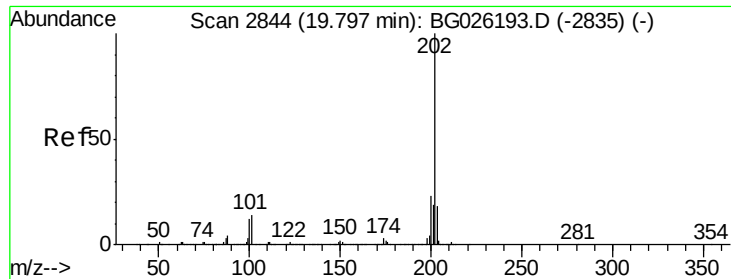
mohammad
3/13/2017 3:34:50 PM



#76
Fluoranthene
Concen: 98.67 ng/ul
RT: 19.45 min Scan# 2784
Delta R.T. 0.01 min
Lab File: BG026204.D
Acq: 11 Mar 2017 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	4260398		
101	17.5	8.8	13.2#	
100	13.7	6.6	9.8#	





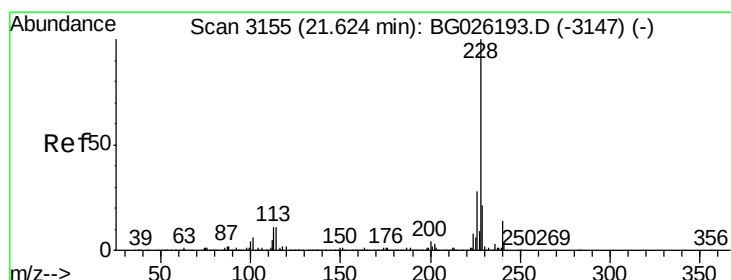
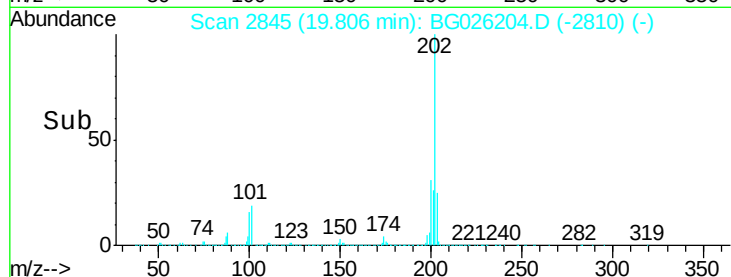
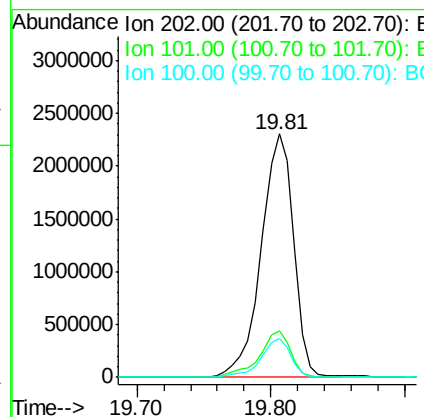
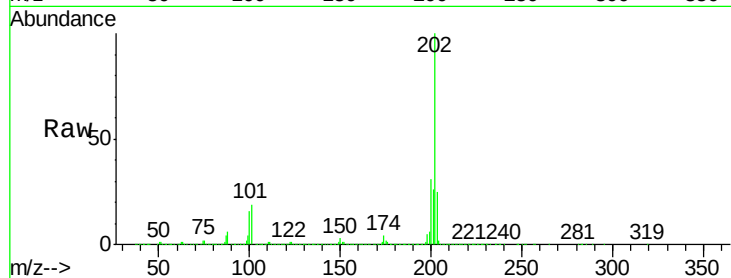
#79
 Pyrene
 Concen: 97.31 ng/ul
 RT: 19.81 min Scan# 2845
 Delta R.T. 0.01 min
 Lab File: BG026204.D
 Acq: 11 Mar 2017 11:57

Instrument :
 BNA_G
 ClientSampleId :
 C0AJ8

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.9	10.2	15.2#
100	16.1	8.5	12.7#

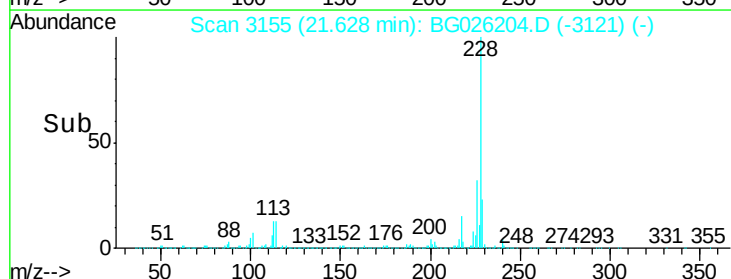
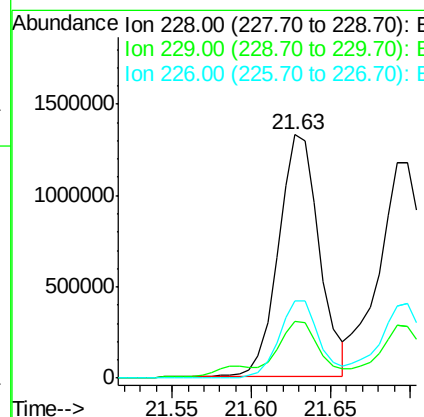
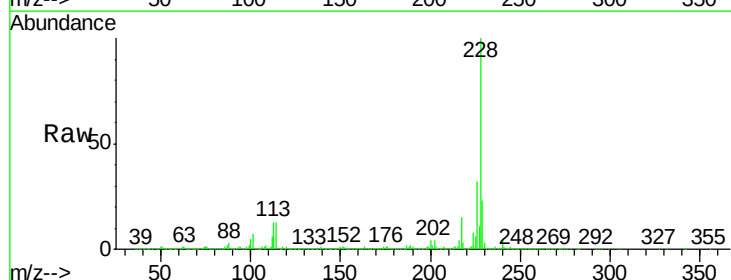
Manual Integrations
 APPROVED

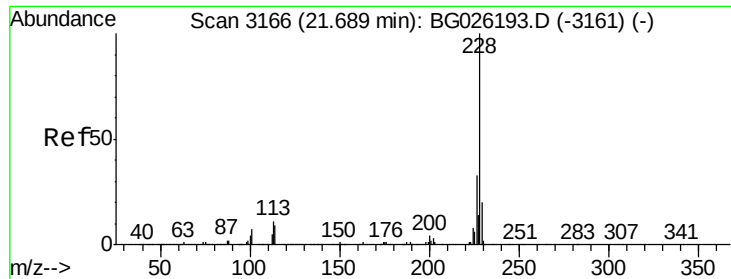
mohammad
 3/13/2017 3:34:50 PM



#82
 Benzo(a)anthracene
 Concen: 55.86 ng/ul
 RT: 21.63 min Scan# 3155
 Delta R.T. 0.00 min
 Lab File: BG026204.D
 Acq: 11 Mar 2017 11:57

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.2	15.7	23.5
226	31.9	21.8	32.6





#84

Chrysene

Concen: 55.99 ng/ul m

RT: 21.70 min Scan# 3167

Delta R.T. 0.01 min

Lab File: BG026204.D

Acq: 11 Mar 2017 11:57

Instrument :

BNA_G

ClientSampleId :

C0AJ8

Tgt Ion:228 Resp: 2277775

Ion Ratio Lower Upper

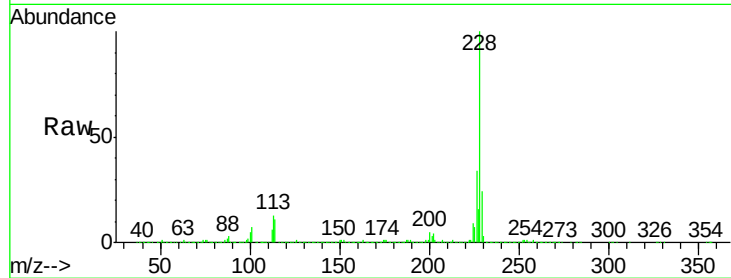
228 100

226 34.3 24.0 36.0

229 23.9 15.6 23.4#

Manual Integrations
APPROVED

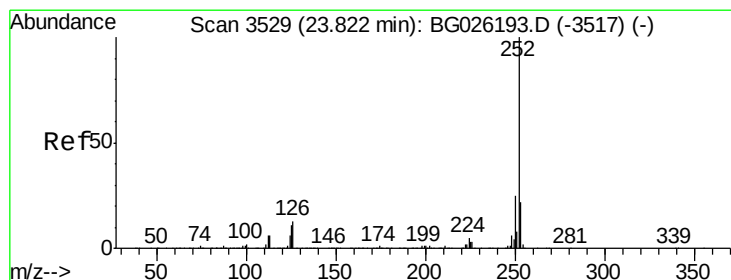
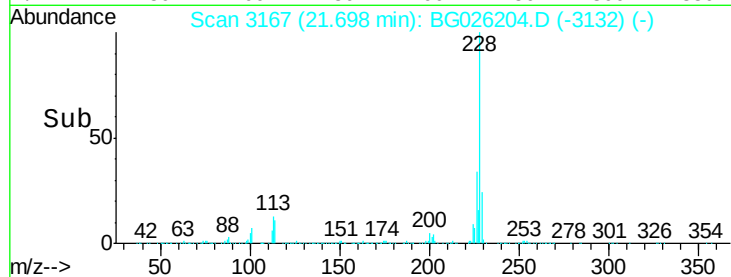
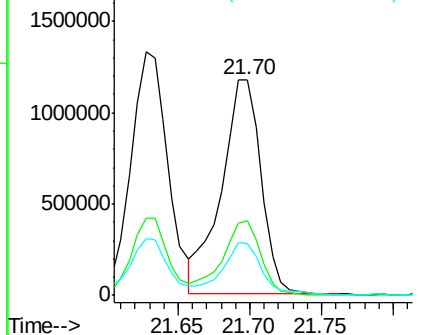
mohammad
3/13/2017 3:34:50 PM



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



#87

Benzo(b)fluoranthene

Concen: 64.12 ng/ul

RT: 23.84 min Scan# 3531

Delta R.T. 0.01 min

Lab File: BG026204.D

Acq: 11 Mar 2017 11:57

Tgt Ion:252 Resp: 2712661

Ion Ratio Lower Upper

252 100

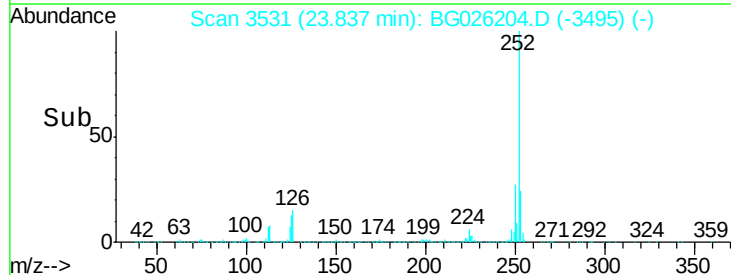
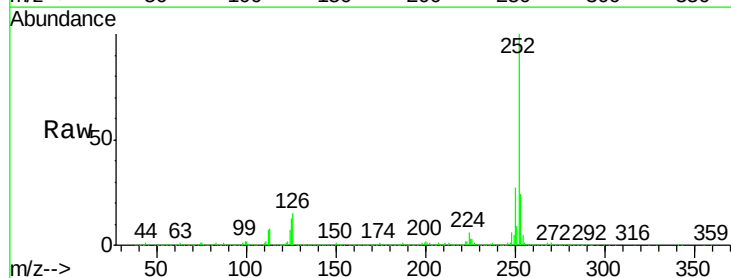
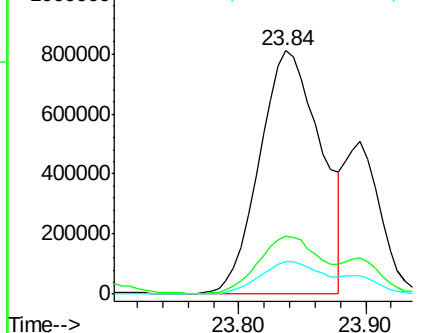
253 23.9 17.5 26.3

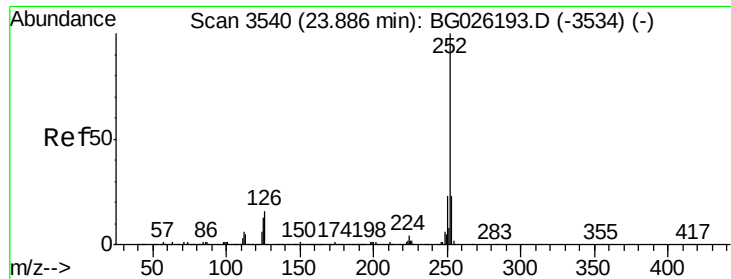
125 13.2 8.5 12.7#

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





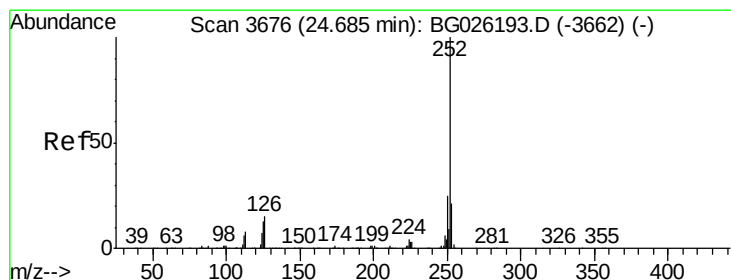
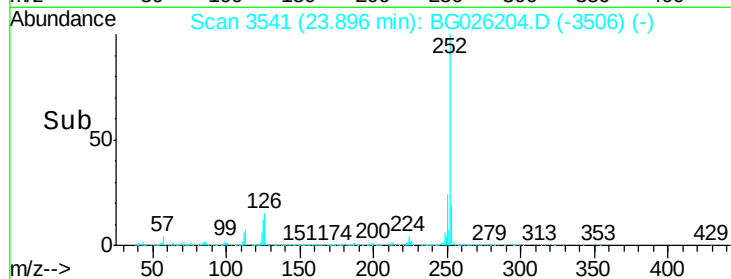
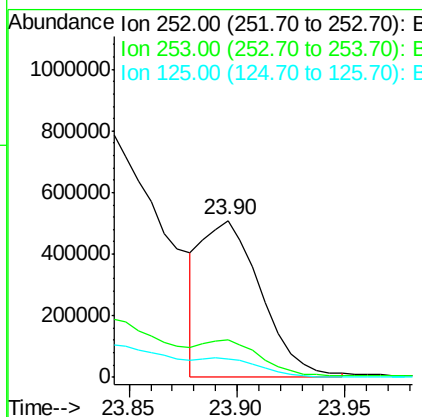
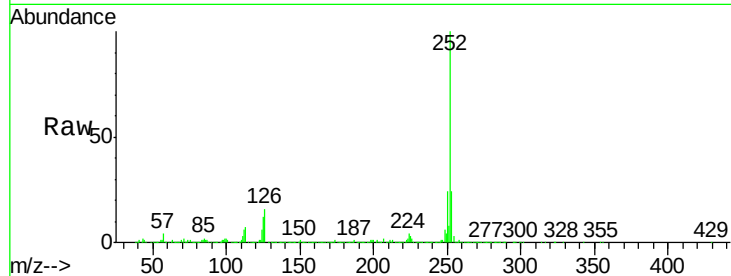
#88
Benzo(k)fluoranthene
Concen: 23.89 ng/ul m
RT: 23.90 min Scan# 3541
Delta R.T. 0.01 min
Lab File: BG026204.D
Acq: 11 Mar 2017 11:57

Instrument :
BNA_G
ClientSampled :
C0AJ8

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.3	25.9
125	12.0	8.2	12.2

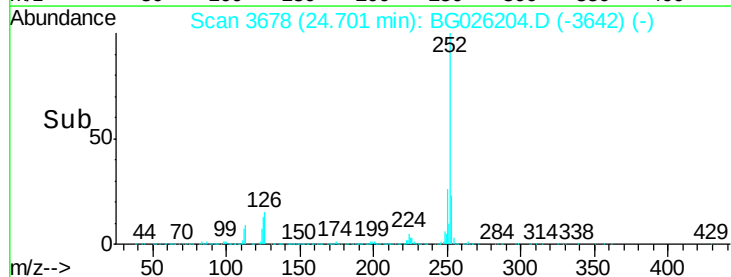
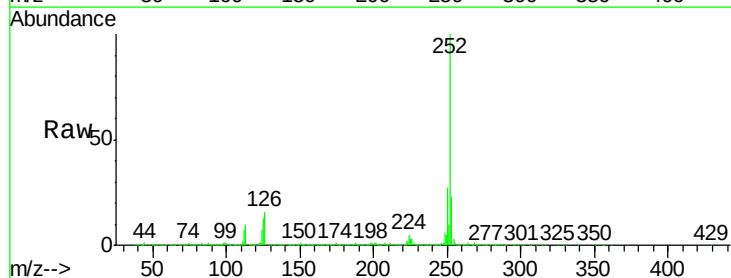
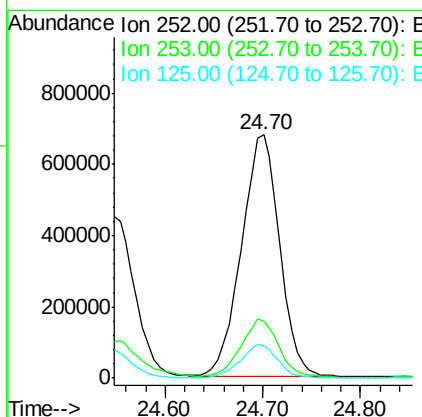
Manual Integrations
APPROVED

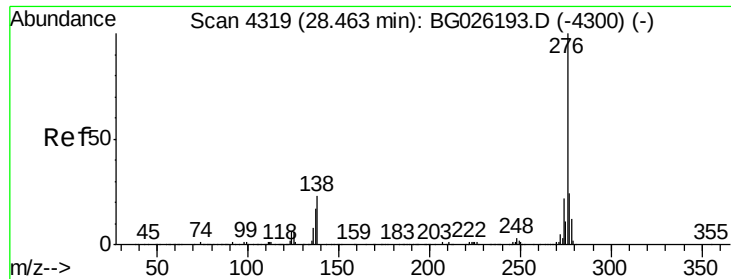
mohammad
3/13/2017 3:34:50 PM



#90
Benzo(a)pyrene
Concen: 44.40 ng/ul
RT: 24.70 min Scan# 3678
Delta R.T. 0.01 min
Lab File: BG026204.D
Acq: 11 Mar 2017 11:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	13.4	9.0	13.6





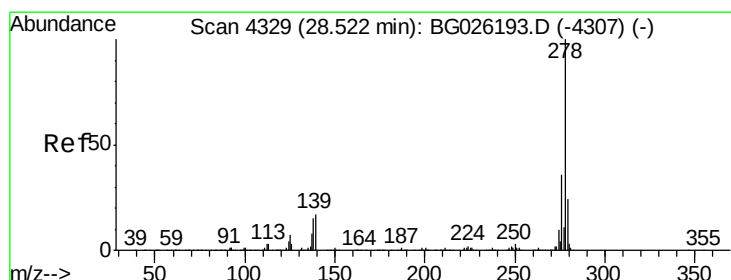
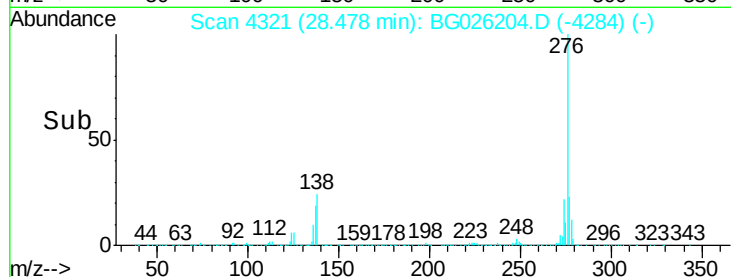
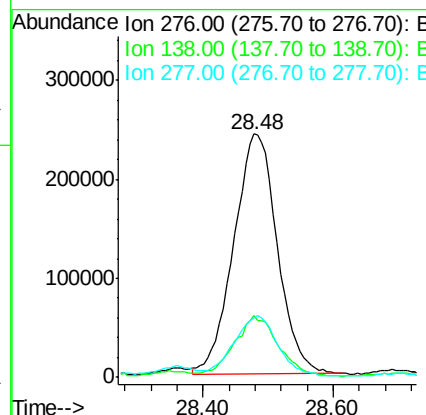
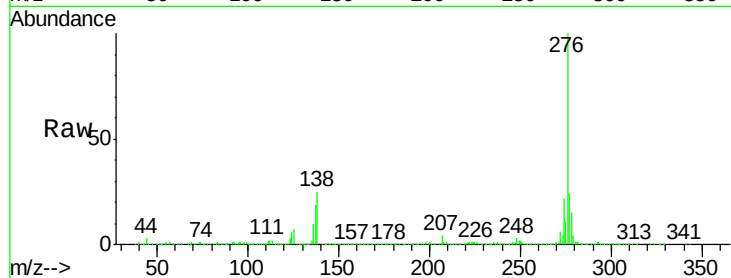
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 22.35 ng/ul
 RT: 28.48 min Scan# 4321
 Delta R.T. 0.02 min
 Lab File: BG026204.D
 Acq: 11 Mar 2017 11:57

Instrument :
 BNA_G
 ClientSampleId :
 C0AJ8

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.3	22.3	33.5
277	24.3	20.2	30.2

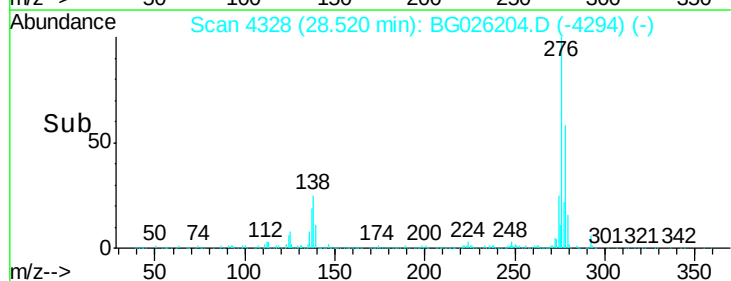
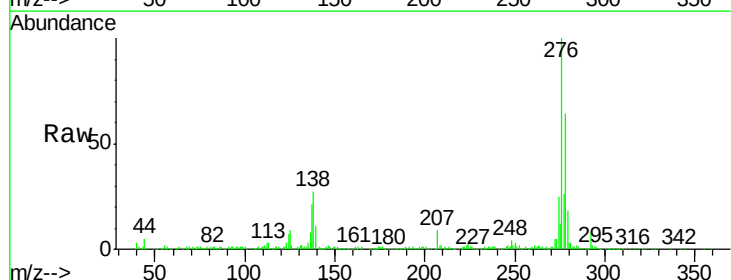
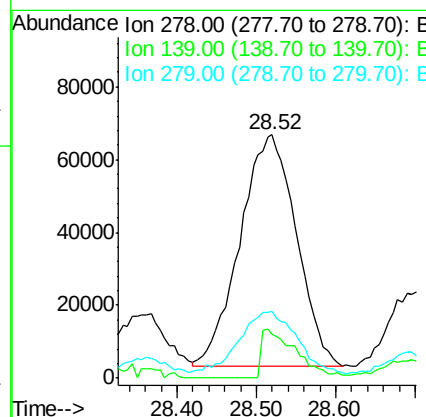
Manual Integrations
 APPROVED

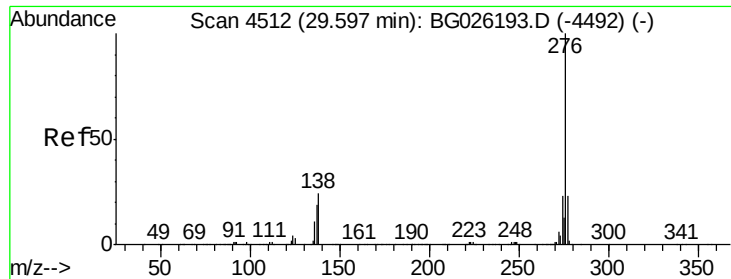
mohammad
 3/13/2017 3:34:50 PM



#92
 Dibenzo(a,h)anthracene
 Concen: 7.55 ng/ul
 RT: 28.52 min Scan# 4328
 Delta R.T. 0.00 min
 Lab File: BG026204.D
 Acq: 11 Mar 2017 11:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.8	13.9	20.9
279	27.4	19.0	28.4





#93

Benzo(g,h,i)perylene

Concen: 22.60 ng/ul

RT: 29.62 min Scan# 4515

Delta R.T. 0.02 min

Lab File: BG026204.D

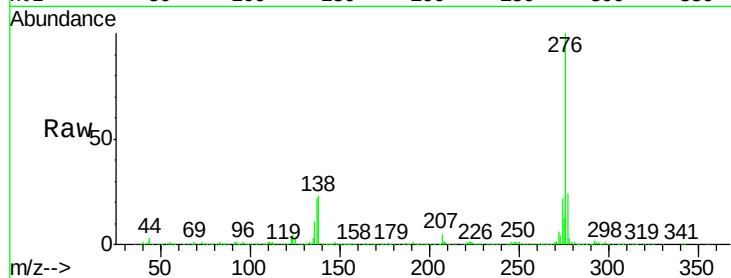
Acq: 11 Mar 2017 11:57

Instrument :

BNA_G

ClientSampleId :

C0AJ8



Tgt Ion: 276 Resp: 940922

Ion Ratio Lower Upper

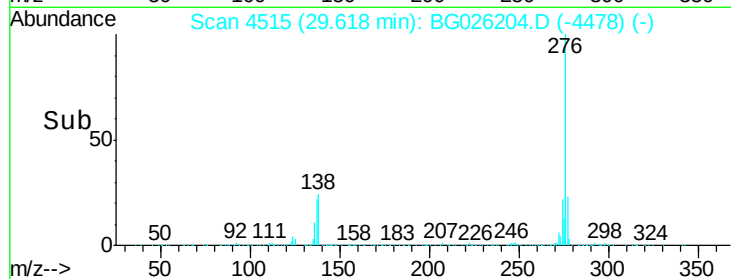
276 100

138 23.5 18.9 28.3

277 23.6 19.2 28.8

Manual Integrations
APPROVED

mohammad
3/13/2017 3:34:50 PM



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

