

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031717\
 Data File : BG026299.D
 Acq On : 18 Mar 2017 2:30
 Operator : SJ/MA
 Sample : I2283-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB2Z9

Manual Integrations
 APPROVED

mohammad
 3/20/2017 12:55:09 PM

Quant Time: Mar 18 03:30:43 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 18 00:29:44 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	166224	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	789011	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	433492	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	845209	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	842986	20.00	ng/ul	0.00
23) Perylene-d12	24.83	264	794710	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	43225	3.70	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	812523	21.98	ng/ul	0.00
10) Fluorene-d10	15.65	176	574459	21.31	ng/ul	0.00
15) Anthracene-d10	17.49	188	798661	21.26	ng/ul	0.00
19) Pyrene-d10	19.77	212	839987	19.53	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	684803	19.98	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.90	128	178701	4.63	ng/ul	98
5) 2-Methylnaphthalene	12.50	142	75591	2.64	ng/ul	98
9) Acenaphthene	14.72	153	73828	2.77	ng/ul	97
11) Fluorene	15.70	166	78259	2.60	ng/ul	99
14) Phenanthrene	17.43	178	1091088	24.36	ng/ul	99
16) Anthracene	17.52	178	226891	5.01	ng/ul	98
17) Fluoranthene	19.44	202	1477632	31.78	ng/ul	98
20) Pyrene	19.79	202	1240433	23.11	ng/ul	97
21) Benzo(a)anthracene	21.62	228	616969	13.15	ng/ul	99
22) Chrysene	21.68	228	593274	13.55	ng/ul	99
24) Benzo(b)fluoranthene	23.82	252	715522	15.86	ng/ul	97
25) Benzo(k)fluoranthene	23.88	252	247755m	5.75	ng/ul	
27) Benzo(a)pyrene	24.68	252	401284	9.57	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	28.45	276	167358	3.61	ng/ul#	91
29) Dibenzo(a,h)anthracene	28.49	278	61885m	1.69	ng/ul	
30) Benzo(g,h,i)perylene	29.59	276	147651m	3.73	ng/ul	

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

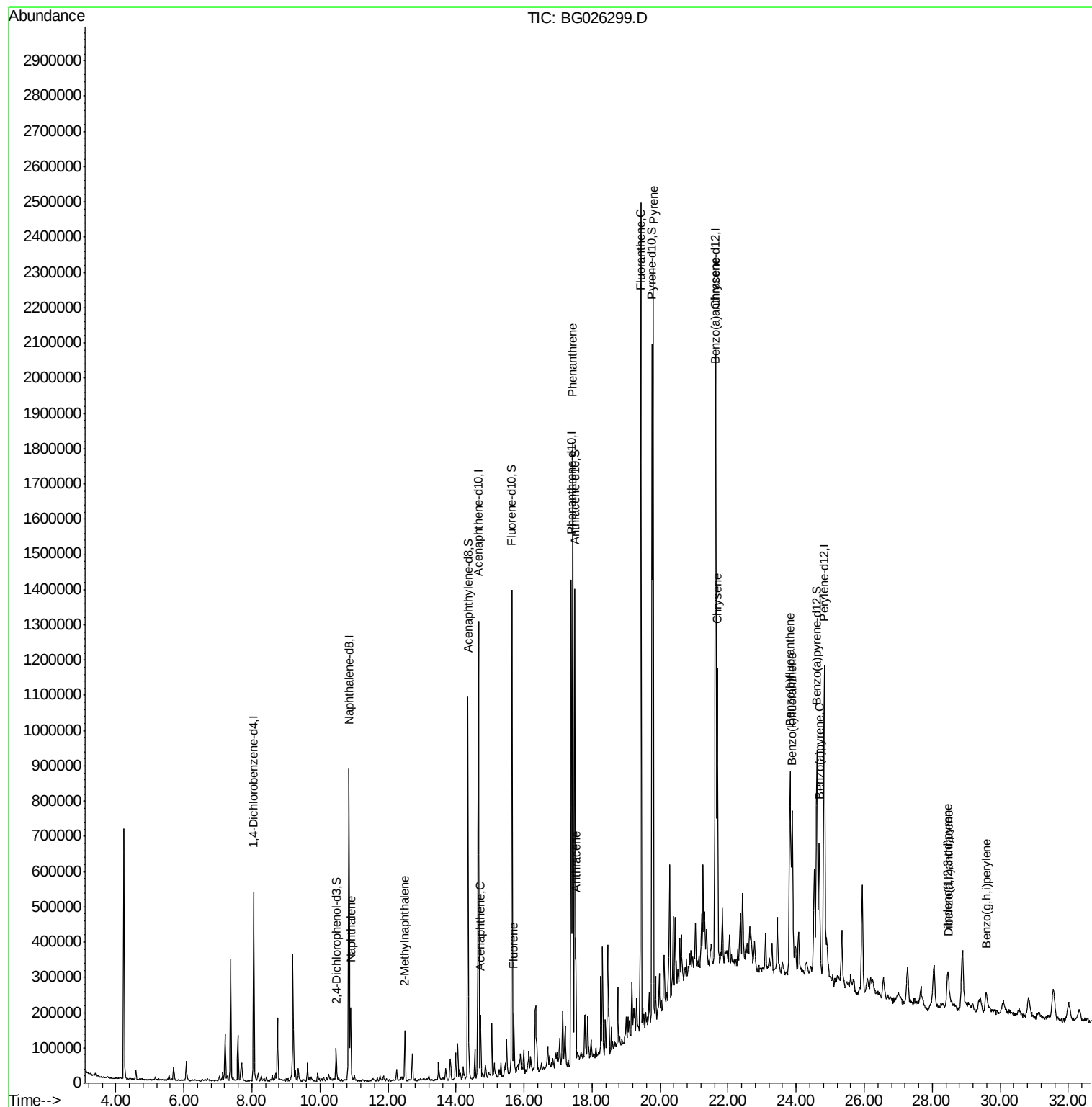
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031717\
Data File : BG026299.D
Acq On : 18 Mar 2017 2:30
Operator : SJ/MA
Sample : I2283-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

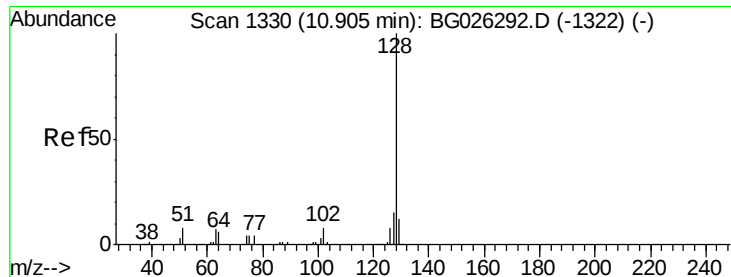
Instrument :
BNA_G
ClientSampled :
CB2Z9

Manual Integrations
APPROVED

mohammad
3/20/2017 12:55:09 PM

Quant Time: Mar 18 03:30:43 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 18 00:29:44 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 4.63 ng/ul

RT: 10.90 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BG026299.D

Acq: 18 Mar 2017 2:30

Instrument :

BNA_G

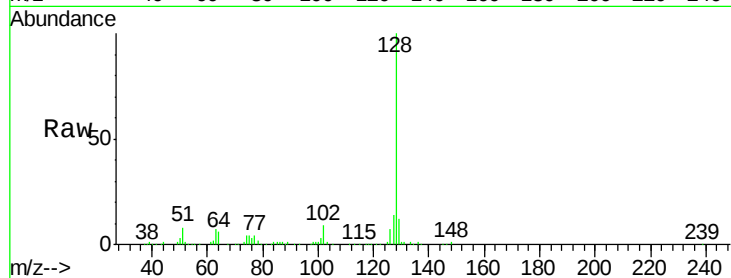
ClientSampleId :

CB2Z9

Tgt Ion:	128	Resp:	178701
Ion Ratio	Lower	Upper	
128	100		
129	11.9	9.1	13.7
127	13.9	10.6	15.8

Manual Integrations
APPROVED

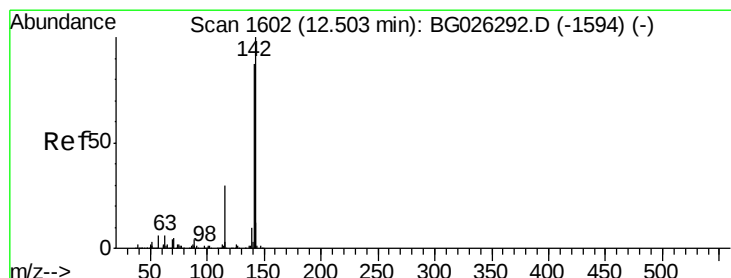
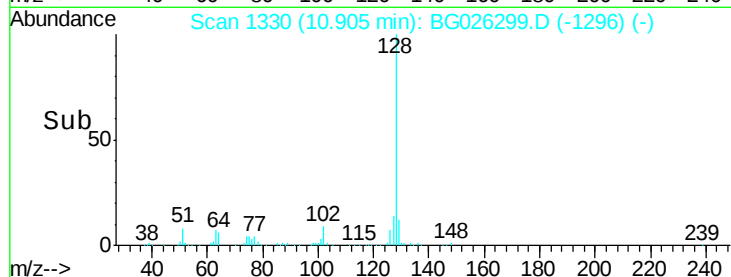
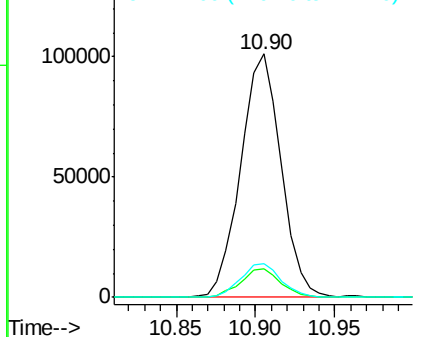
mohammad
3/20/2017 12:55:09 PM



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



#5

2-Methylnaphthalene

Concen: 2.64 ng/ul

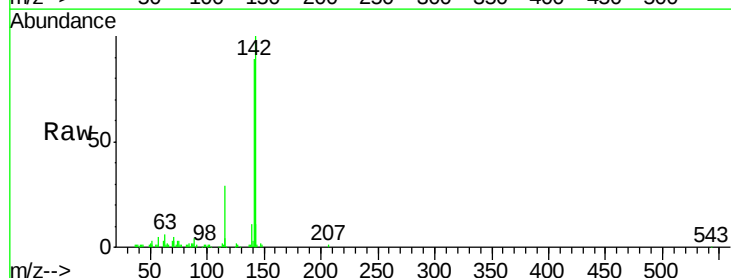
RT: 12.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BG026299.D

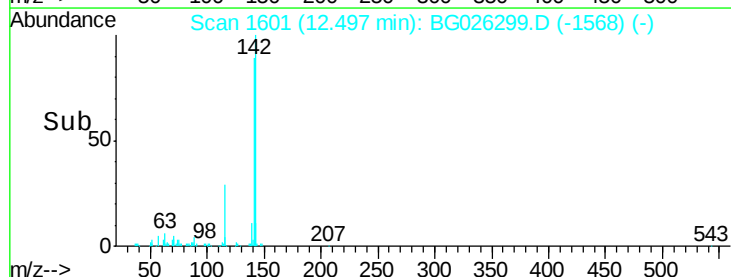
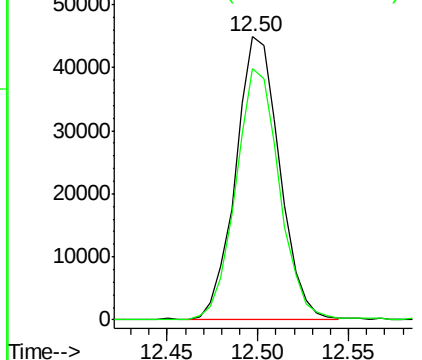
Acq: 18 Mar 2017 2:30

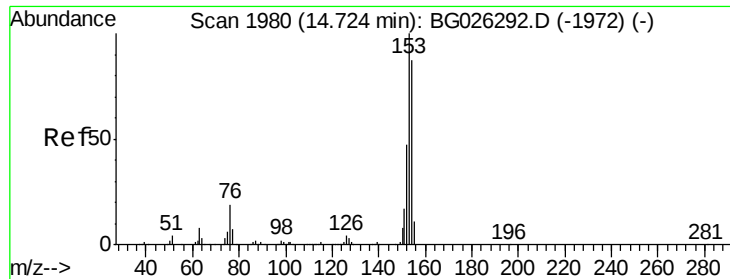
Tgt Ion:	142	Resp:	75591
Ion Ratio	Lower	Upper	
142	100		
141	88.9	69.8	104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthene

Concen: 2.77 ng/ul

RT: 14.72 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BG026299.D

Acq: 18 Mar 2017 2:30

Instrument :

BNA_G

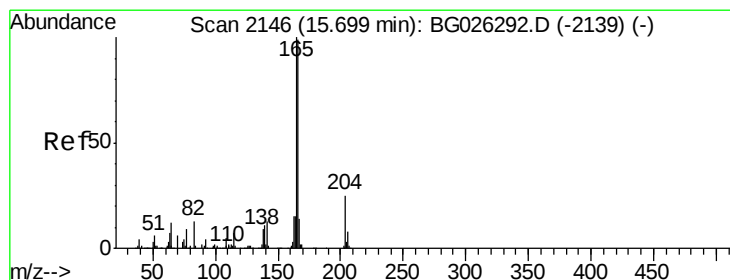
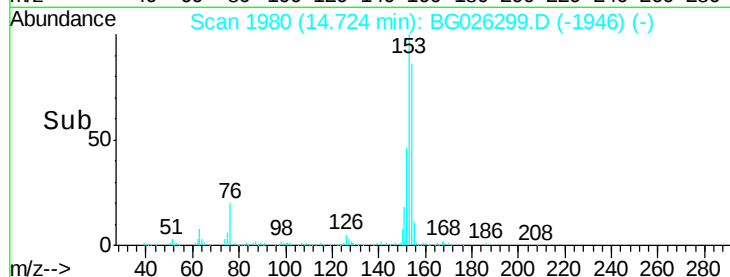
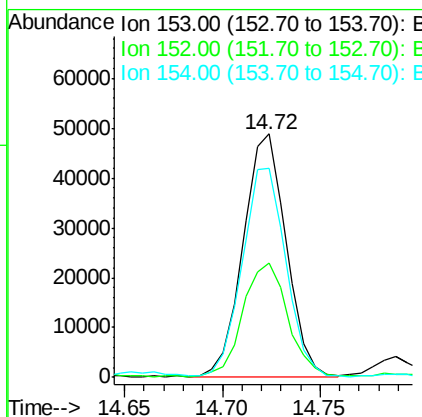
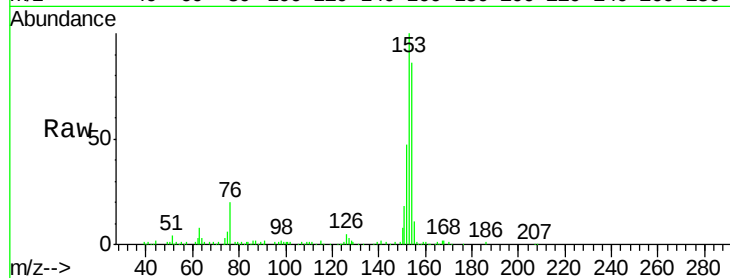
ClientSampleId :

CB2Z9

Tgt Ion:	153	Resp:	73828
Ion Ratio	Lower	Upper	
153	100		
152	46.8	37.9	56.9
154	86.1	71.6	107.4

Manual Integrations
APPROVED

mohammad
3/20/2017 12:55:09 PM



#11

Fluorene

Concen: 2.60 ng/ul

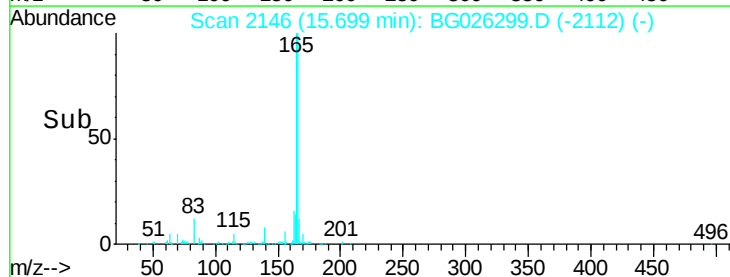
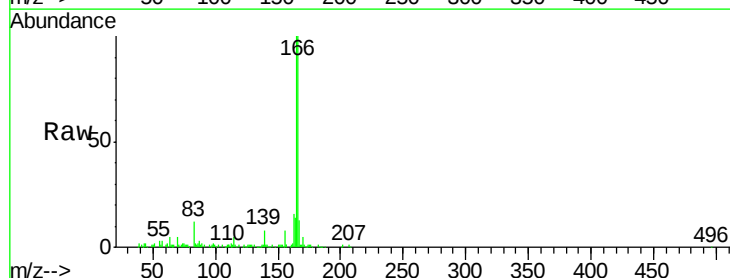
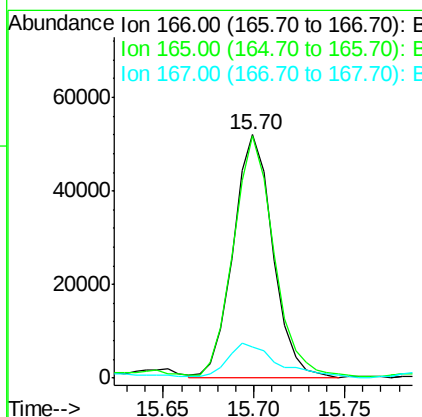
RT: 15.70 min Scan# 2146

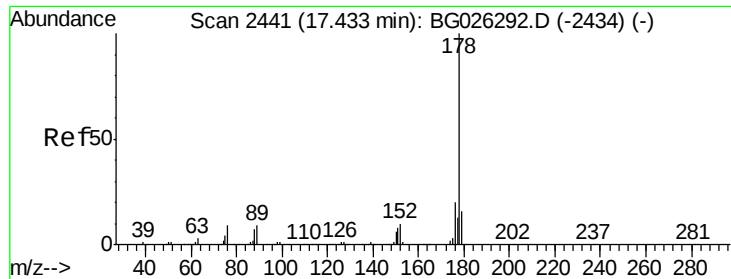
Delta R.T. -0.00 min

Lab File: BG026299.D

Acq: 18 Mar 2017 2:30

Tgt Ion:	166	Resp:	78259
Ion Ratio	Lower	Upper	
166	100		
165	99.7	80.0	120.0
167	12.7	11.6	17.4





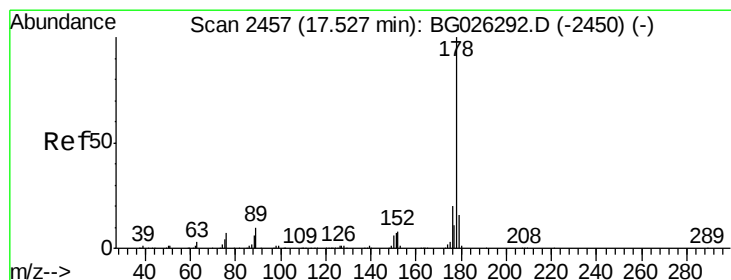
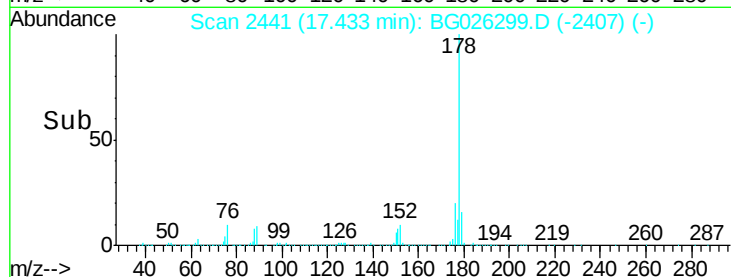
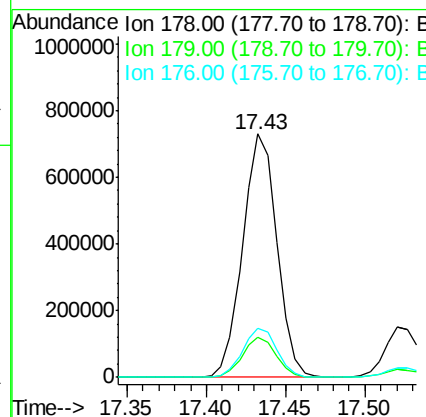
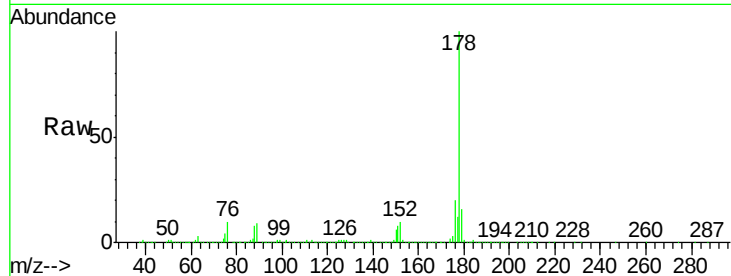
#14
Phenanthrene
Concen: 24.36 ng/ul
RT: 17.43 min Scan# 2441
Delta R.T. -0.00 min
Lab File: BG026299.D
Acq: 18 Mar 2017 2:30

Instrument :
BNA_G
ClientSampled :
CB2Z9

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.2	18.4
176	20.2	16.4	24.6

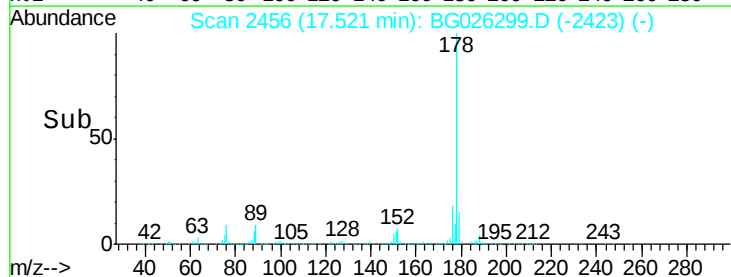
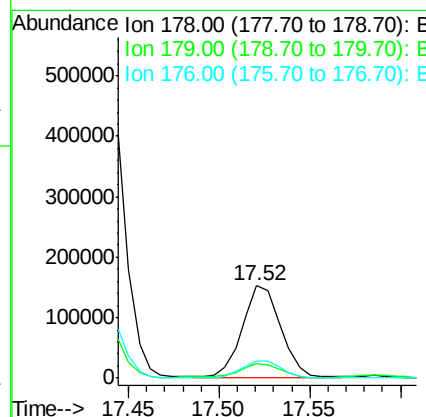
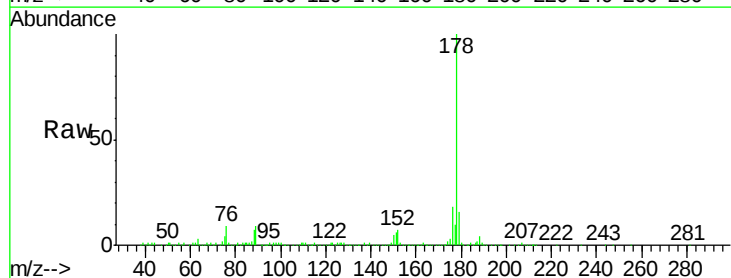
Manual Integrations
APPROVED

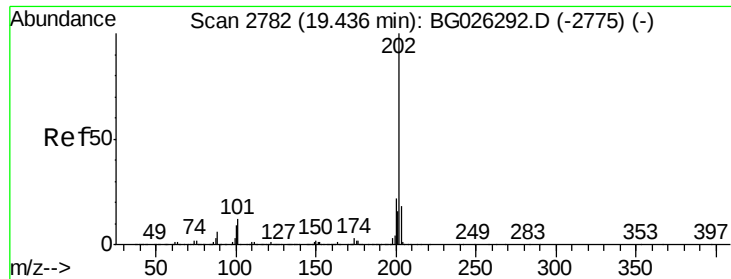
mohammad
3/20/2017 12:55:09 PM



#16
Anthracene
Concen: 5.01 ng/ul
RT: 17.52 min Scan# 2456
Delta R.T. -0.01 min
Lab File: BG026299.D
Acq: 18 Mar 2017 2:30

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.7	19.1
176	18.1	15.8	23.8





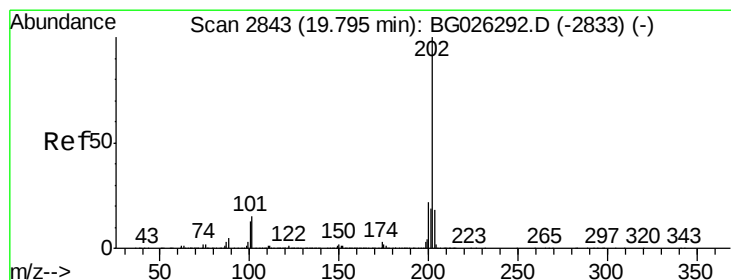
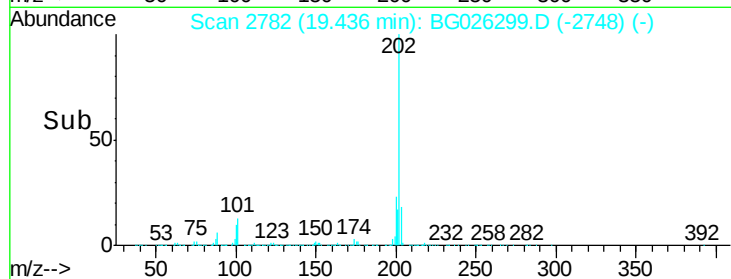
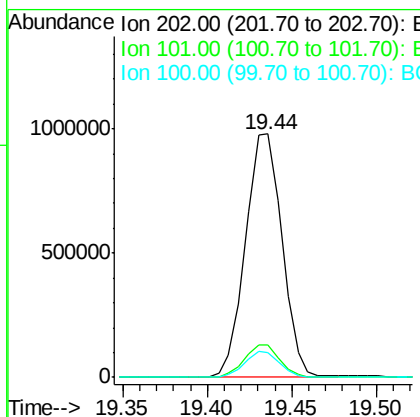
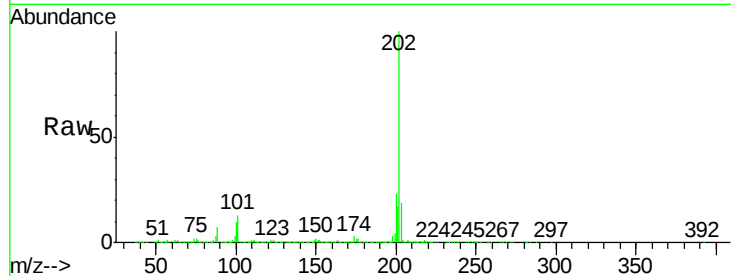
#17
Fluoranthene
 Concen: 31.78 ng/ul
 RT: 19.44 min Scan# 2782
 Delta R.T. -0.00 min
 Lab File: BG026299.D
 Acq: 18 Mar 2017 2:30

Instrument :
 BNA_G
 ClientSampleId :
 CB2Z9

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1477632		
101	13.3	9.8	14.8	
100	10.1	7.5	11.3	

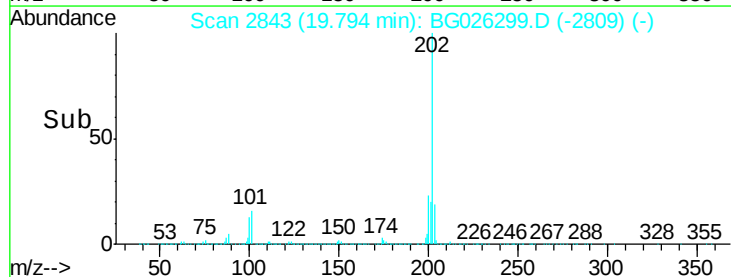
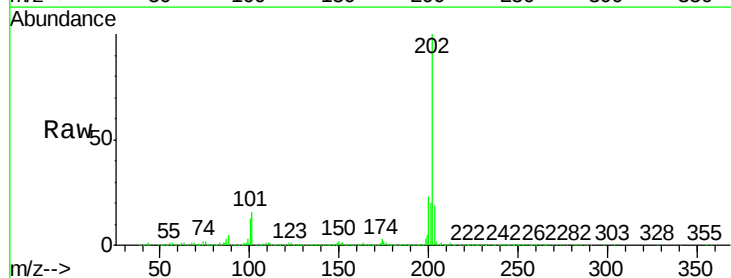
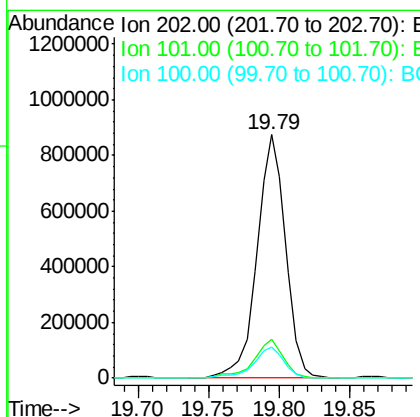
Manual Integrations
 APPROVED

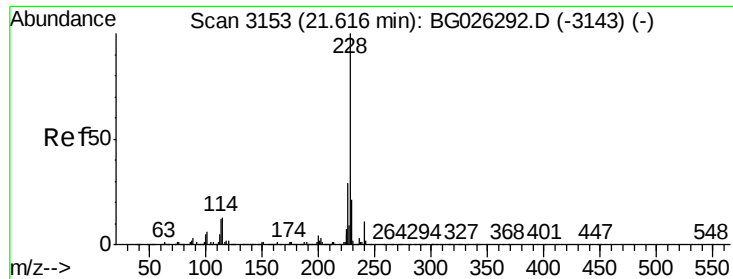
mohammad
 3/20/2017 12:55:09 PM



#20
Pyrene
 Concen: 23.11 ng/ul
 RT: 19.79 min Scan# 2843
 Delta R.T. -0.00 min
 Lab File: BG026299.D
 Acq: 18 Mar 2017 2:30

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1240433		
101	15.9	11.2	16.8	
100	12.8	9.8	14.6	





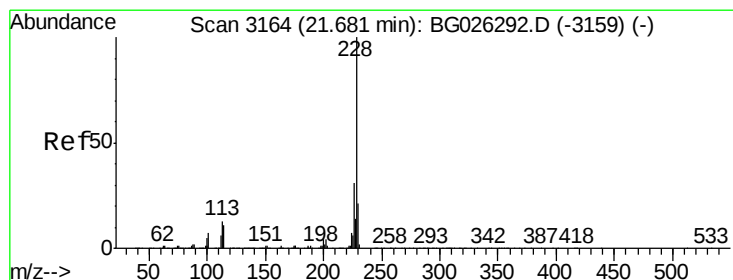
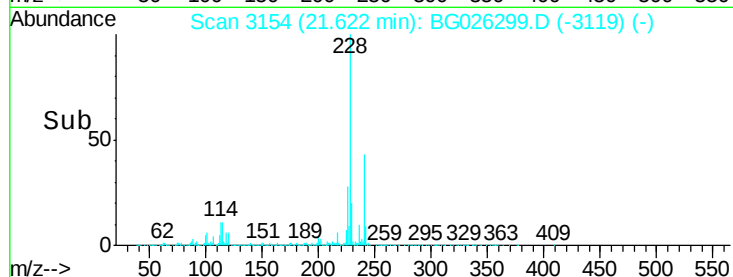
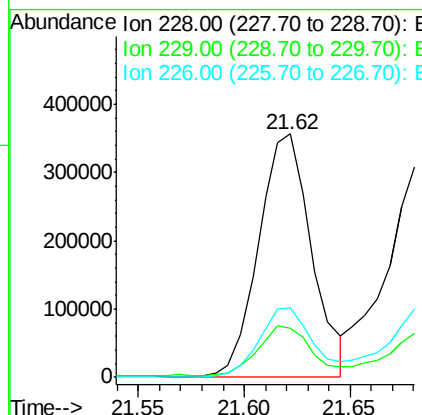
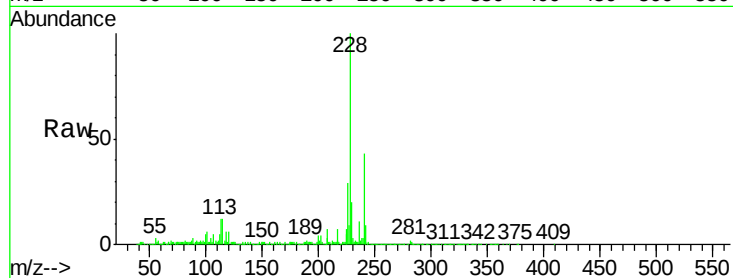
#21
Benzo(a)anthracene
Concen: 13.15 ng/ul
RT: 21.62 min Scan# 3154
Delta R.T. 0.01 min
Lab File: BG026299.D
Acq: 18 Mar 2017 2:30

Instrument :
BNA_G
ClientSampleId :
CB2Z9

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.9	23.9
226	28.5	22.1	33.1

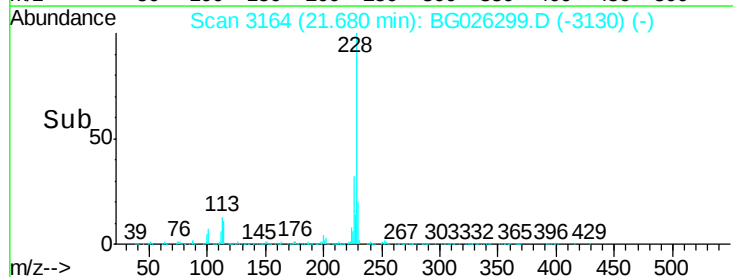
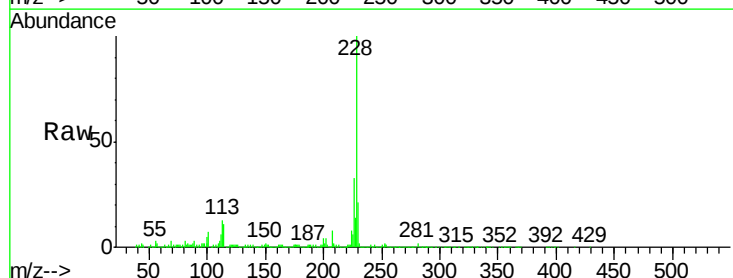
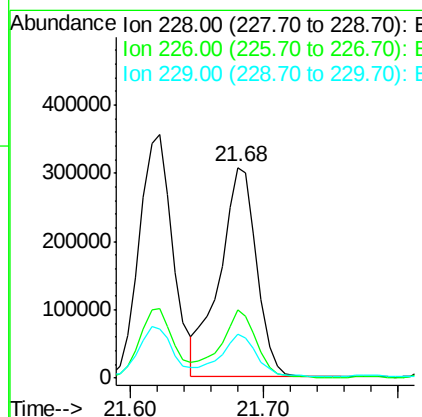
Manual Integrations
APPROVED

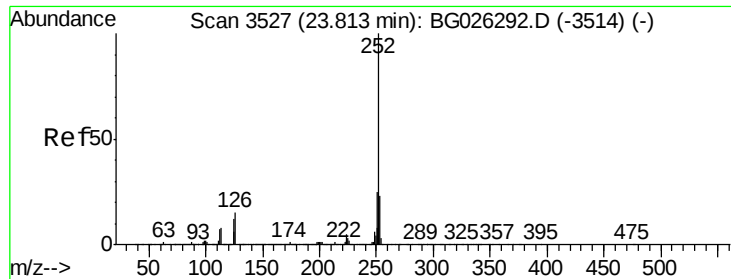
mohammad
3/20/2017 12:55:09 PM



#22
Chrysene
Concen: 13.55 ng/ul
RT: 21.68 min Scan# 3164
Delta R.T. -0.00 min
Lab File: BG026299.D
Acq: 18 Mar 2017 2:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	25.0	37.6
229	20.8	16.6	25.0





#24

Benzo(b)fluoranthene

Concen: 15.86 ng/ul

RT: 23.82 min Scan# 3528

Delta R.T. 0.01 min

Lab File: BG026299.D

Acq: 18 Mar 2017 2:30

Instrument :

BNA_G

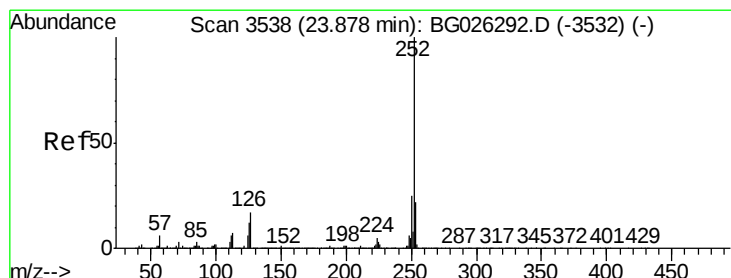
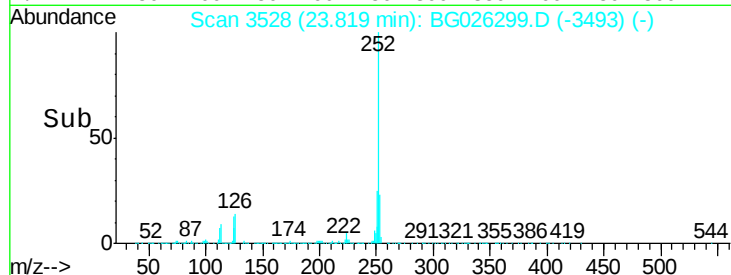
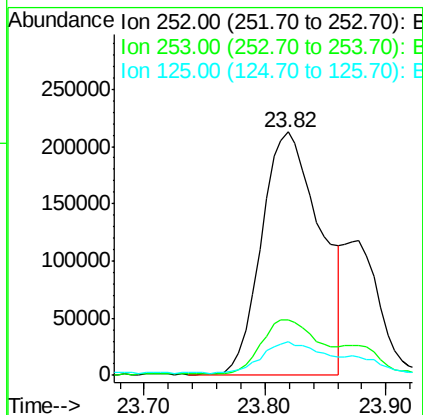
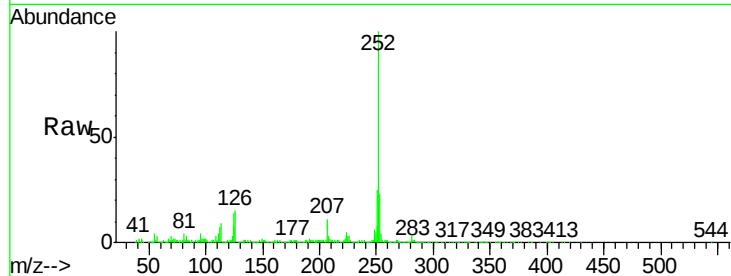
ClientSampled :

CB2Z9

Tgt Ion:	252	Resp:	715522
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.8	26.6
125	13.7	9.4	14.0

Manual Integrations
APPROVED

mohammad
3/20/2017 12:55:09 PM



#25

Benzo(k)fluoranthene

Concen: 5.75 ng/ul m

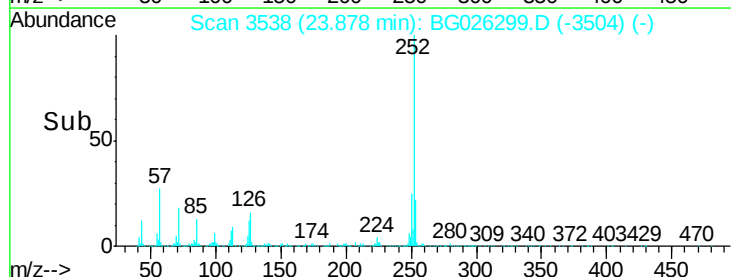
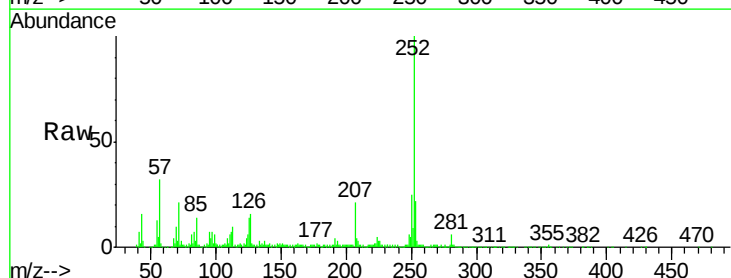
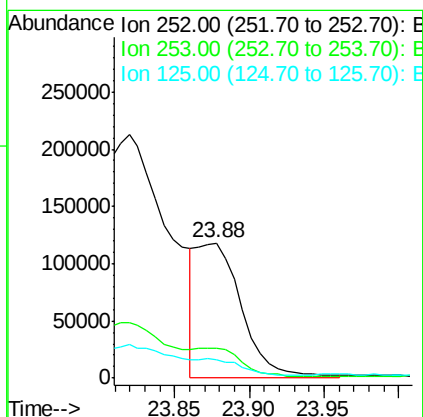
RT: 23.88 min Scan# 3538

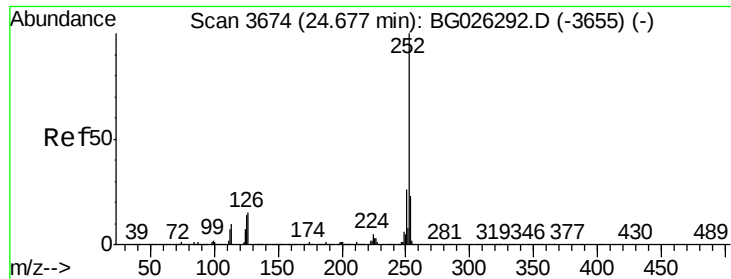
Delta R.T. -0.00 min

Lab File: BG026299.D

Acq: 18 Mar 2017 2:30

Tgt Ion:	252	Resp:	247755
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.4	26.2
125	13.9	8.8	13.2#





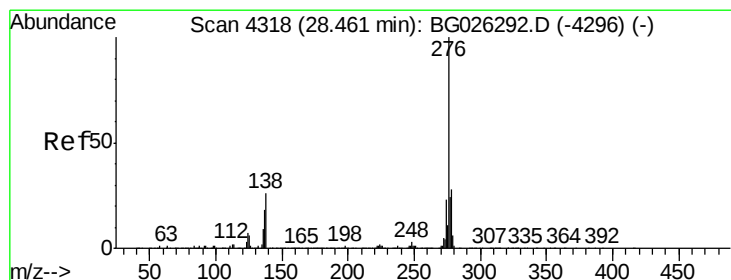
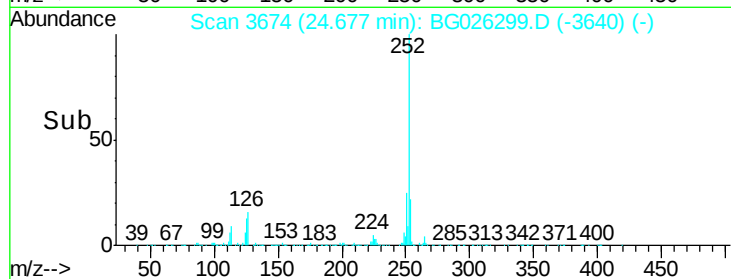
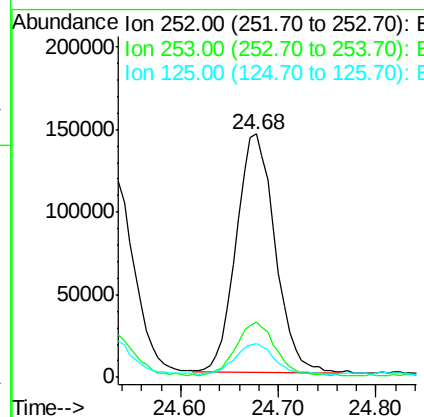
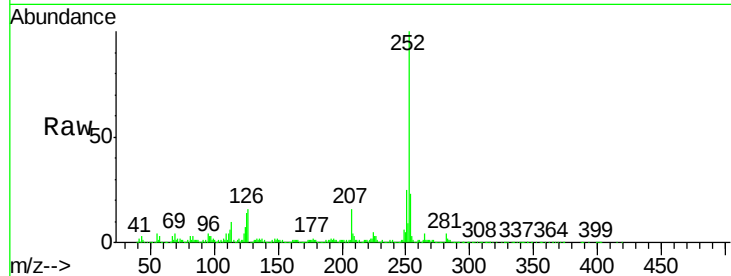
#27
Benzo(a)pyrene
Concen: 9.57 ng/ul
RT: 24.68 min Scan# 3674
Delta R.T. -0.00 min
Lab File: BG026299.D
Acq: 18 Mar 2017 2:30

Instrument :
BNA_G
ClientSampleId :
CB2Z9

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	14.1	9.4	14.2

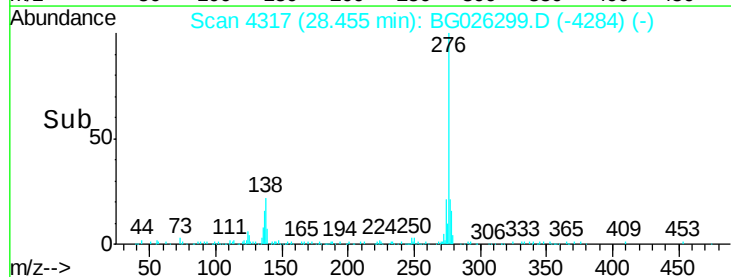
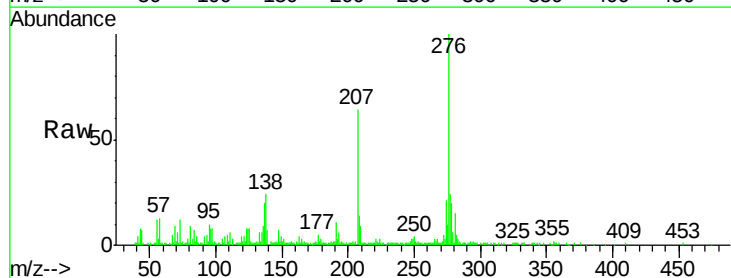
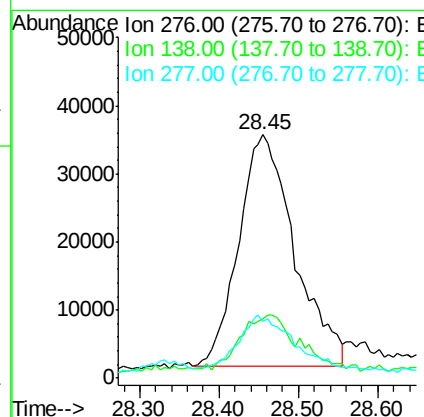
Manual Integrations
APPROVED

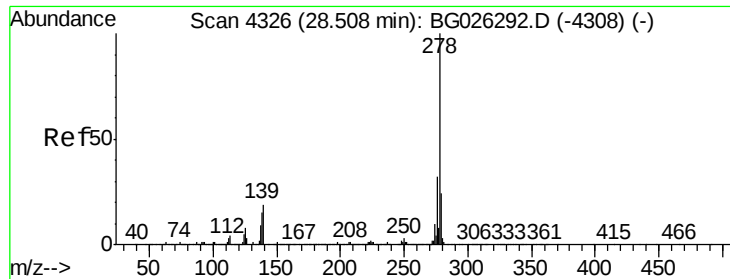
mohammad
3/20/2017 12:55:09 PM



#28
Indeno(1,2,3-cd)pyrene
Concen: 3.61 ng/ul
RT: 28.45 min Scan# 4317
Delta R.T. -0.01 min
Lab File: BG026299.D
Acq: 18 Mar 2017 2:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.0	17.8	26.6#
277	23.5	19.4	29.0





#29

Dibenzo(a,h)anthracene

Concen: 1.69 ng/ul m

RT: 28.49 min Scan# 4323

Delta R.T. -0.02 min

Lab File: BG026299.D

Acq: 18 Mar 2017 2:30

Instrument :

BNA_G

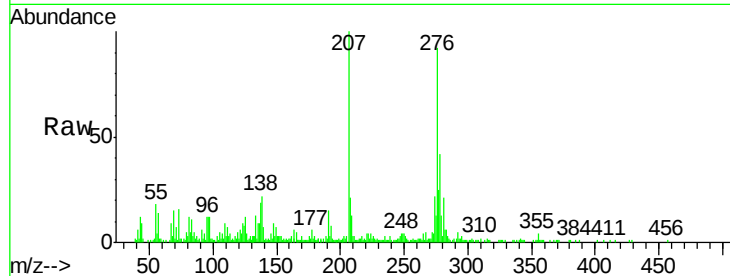
ClientSampled :

CB2Z9

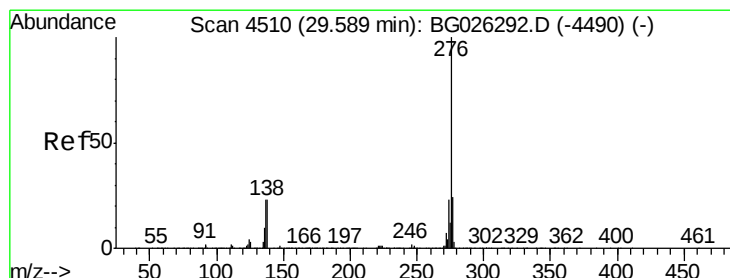
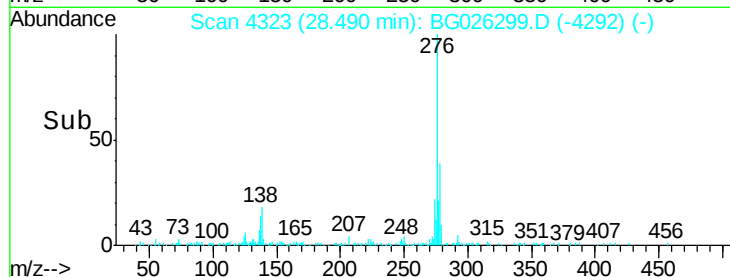
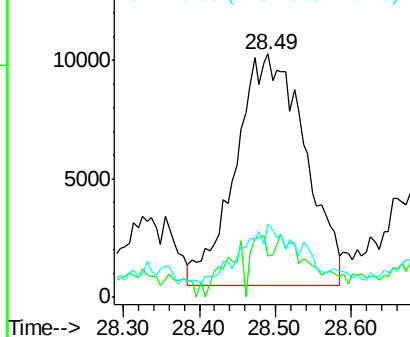
Tgt Ion:	278	Resp:	61885
Ion Ratio	Lower	Upper	
278	100		
139	17.0	14.0	21.0
279	30.2	20.6	31.0

Manual Integrations
APPROVED

mohammad
3/20/2017 12:55:09 PM



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



#30

Benzo(g,h,i)perylene

Concen: 3.73 ng/ul m

RT: 29.59 min Scan# 4510

Delta R.T. -0.00 min

Lab File: BG026299.D

Acq: 18 Mar 2017 2:30

Tgt Ion:	276	Resp:	147651
Ion Ratio	Lower	Upper	
276	100		
138	25.4	19.0	28.4
277	27.5	19.7	29.5

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

