

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
 Data File : BG026229.D
 Acq On : 14 Mar 2017 2:22
 Operator : SJ/MA
 Sample : I2217-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB2W8

Manual Integrations
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mohammad
 3/16/2017 10:53:48 AM

Quant Time: Mar 15 18:00:51 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 15 17:21:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	90035	20.00	ng/ul	-0.02
2) Naphthalene-d8	10.86	136	443667	20.00	ng/ul	-0.02
6) Acenaphthene-d10	14.66	164	256156	20.00	ng/ul	-0.01
12) Phenanthrene-d10	17.39	188	564470	20.00	ng/ul	-0.01
18) Chrysene-d12	21.64	240	585304	20.00	ng/ul	-0.01
23) Perylene-d12	24.83	264	564198	20.00	ng/ul	-0.02
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.49	165	1207	0.18	ng/uL	0.00
7) Acenaphthylene-d8	14.36	160	304038	13.92	ng/ul	-0.01
10) Fluorene-d10	15.64	176	228349	14.33	ng/ul	-0.02
15) Anthracene-d10	17.49	188	311467	12.42	ng/ul	-0.02
19) Pyrene-d10	19.77	212	348468	11.67	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	308636	12.68	ng/ul	-0.02
Target Compounds				Qvalue		
9) Acenaphthene	14.73	153	26753	1.70	ng/ul#	87
11) Fluorene	15.70	166	33704	1.89	ng/ul	95
14) Phenanthrene	17.44	178	616354	20.60	ng/ul	99
16) Anthracene	17.52	178	119852	3.97	ng/ul	99
17) Fluoranthene	19.43	202	946654	30.48	ng/ul	98
20) Pyrene	19.80	202	834310	22.39	ng/ul	98
21) Benzo(a)anthracene	21.62	228	485168	14.89	ng/ul	97
22) Chrysene	21.68	228	447392	14.72	ng/ul	98
24) Benzo(b)fluoranthene	23.82	252	569009	17.76	ng/ul	98
25) Benzo(k)fluoranthene	23.88	252	193425m	6.32	ng/ul	
27) Benzo(a)pyrene	24.67	252	379070	12.74	ng/ul#	96
28) Indeno(1,2,3-cd)pyrene	28.45	276	238458	7.26	ng/ul	98
29) Dibenzo(a,h)anthracene	28.49	278	68311	2.62	ng/ul#	73
30) Benzo(g,h,i)perylene	29.59	276	226046m	8.04	ng/ul	

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

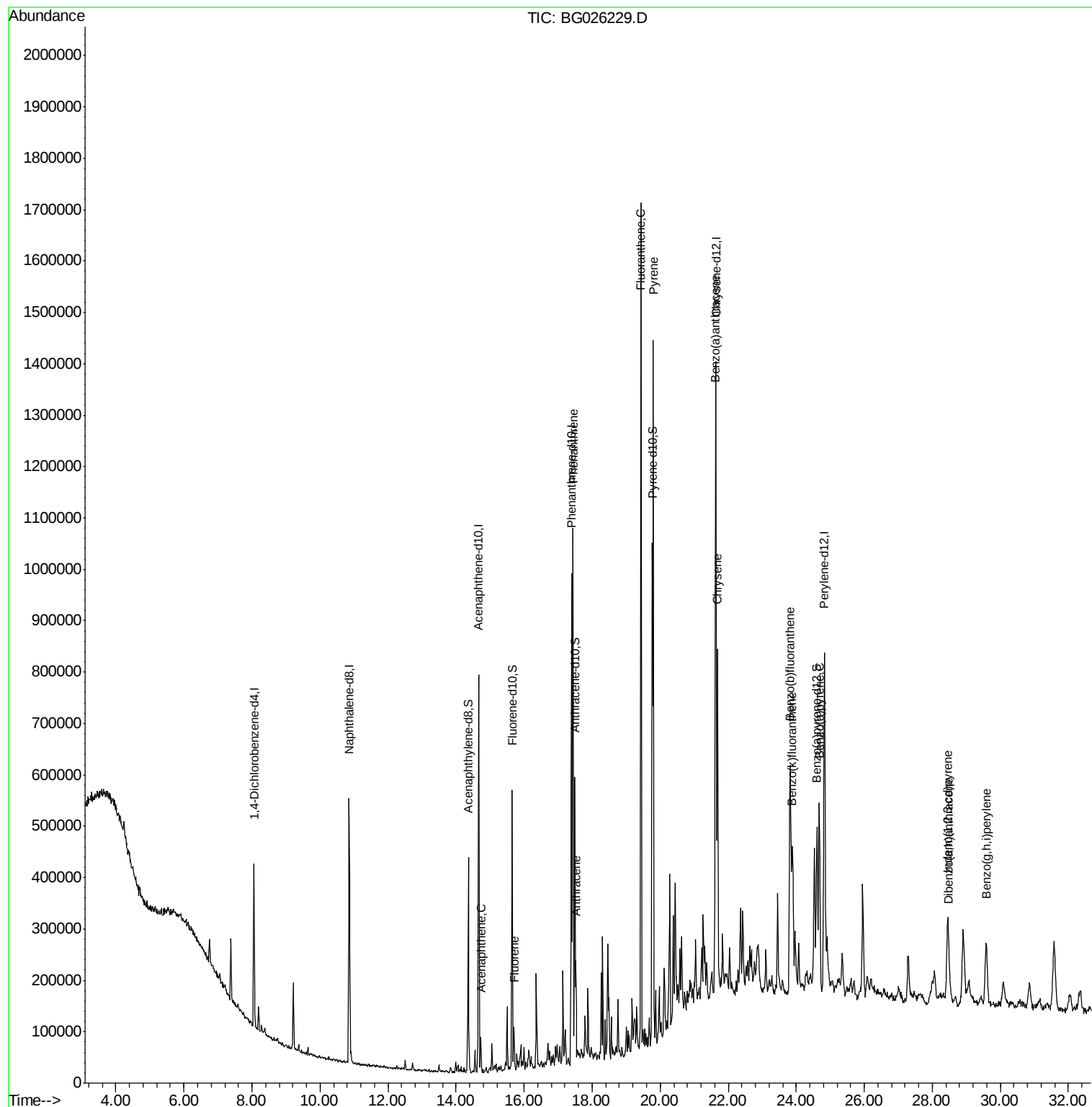
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
Data File : BG026229.D
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ALS Vial : 23 Sample Multiplier: 1

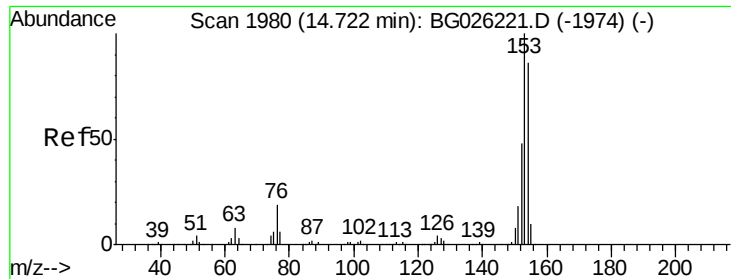
Instrument :
BNA_G
ClientSampleId :
CB2W8

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Quant Time: Mar 15 18:00:51 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 17:21:10 2017
Response via : Initial Calibration





#9

Acenaphthene

Concen: 1.70 ng/ul

RT: 14.73 min Scan# 1981

Delta R.T. -0.01 min

Lab File: BG026229.D

Acq: 14 Mar 2017 2:22

Instrument :

BNA_G

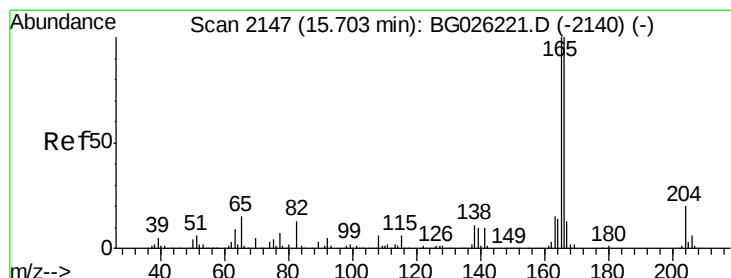
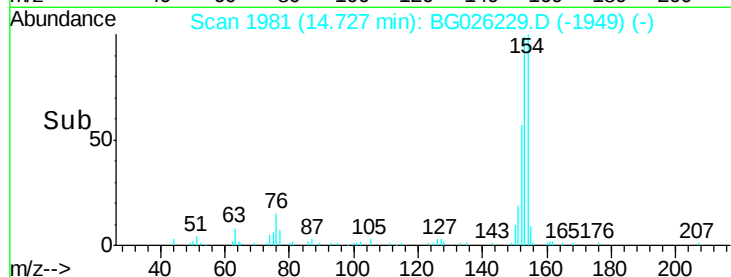
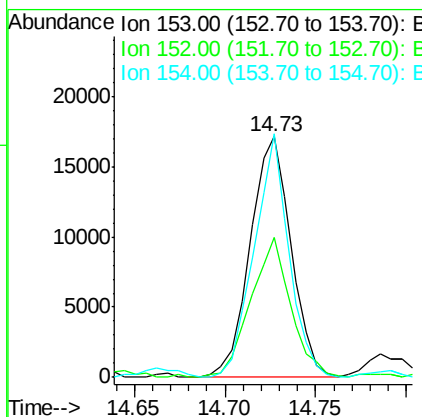
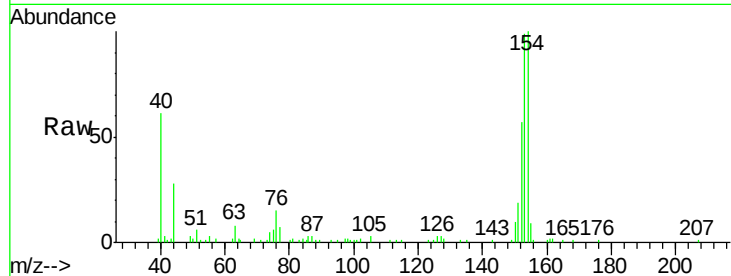
ClientSampleId :

CB2W8

Tgt Ion:	153	Resp:	26753
Ion Ratio	Lower	Upper	
153	100		
152	58.0	37.9	56.9#
154	101.0	71.6	107.4

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#11

Fluorene

Concen: 1.89 ng/ul

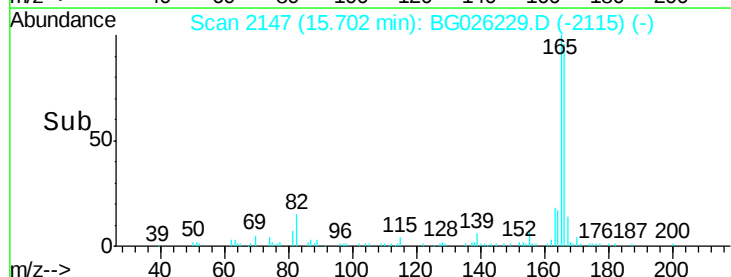
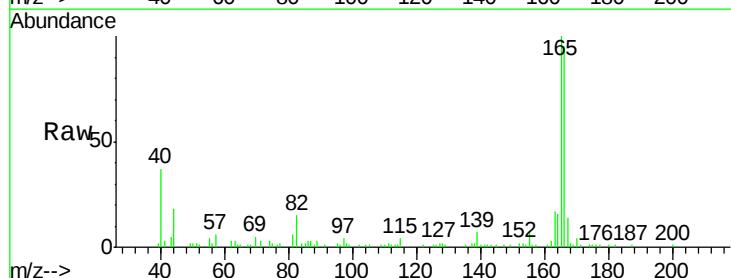
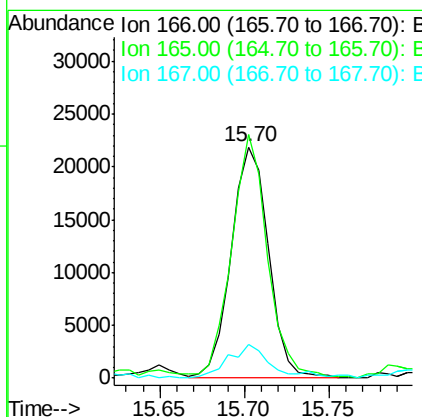
RT: 15.70 min Scan# 2147

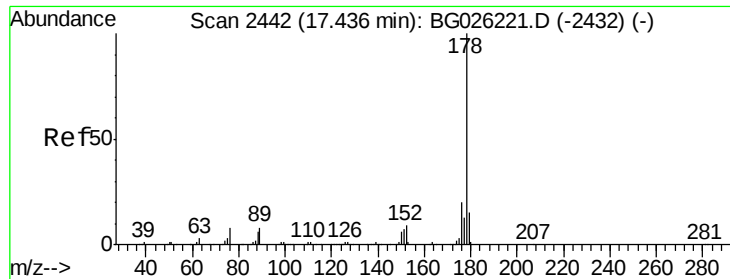
Delta R.T. -0.01 min

Lab File: BG026229.D

Acq: 14 Mar 2017 2:22

Tgt Ion:	166	Resp:	33704
Ion Ratio	Lower	Upper	
166	100		
165	105.5	80.0	120.0
167	14.3	11.6	17.4





#14

Phenanthrene

Concen: 20.60 ng/ul

RT: 17.44 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BG026229.D

Acq: 14 Mar 2017 2:22

Instrument :

BNA_G

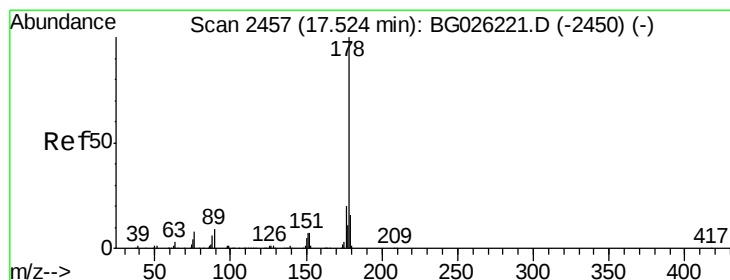
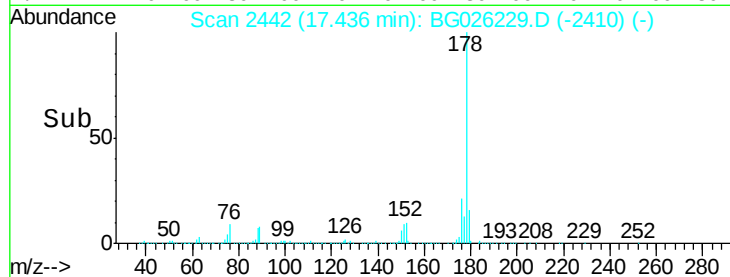
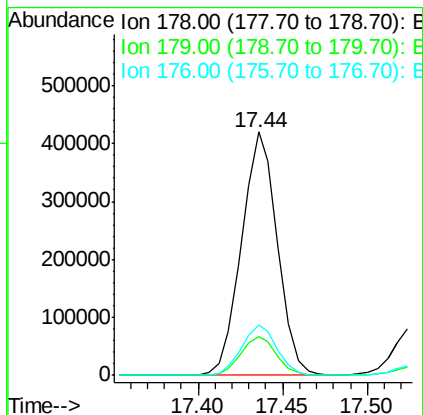
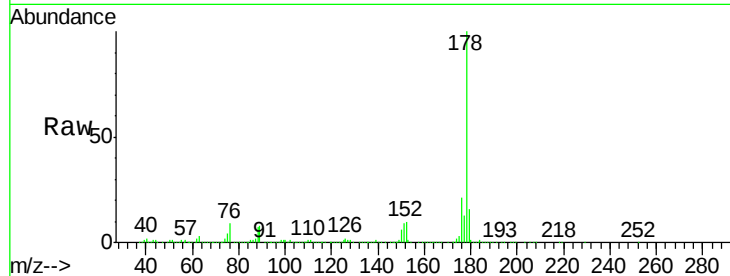
ClientSampled :

CB2W8

Tgt Ion:	178	Resp:	616354
Ion Ratio	Lower	Upper	
178	100		
179	15.8	12.2	18.4
176	20.7	16.4	24.6

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#16

Anthracene

Concen: 3.97 ng/ul

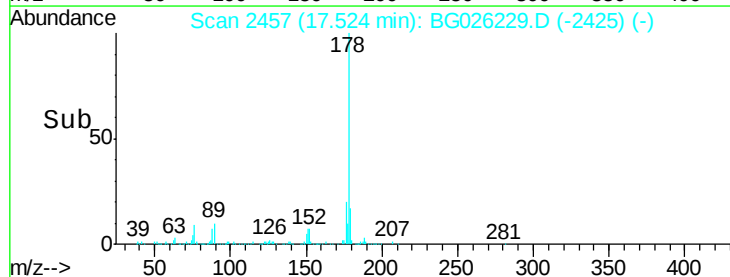
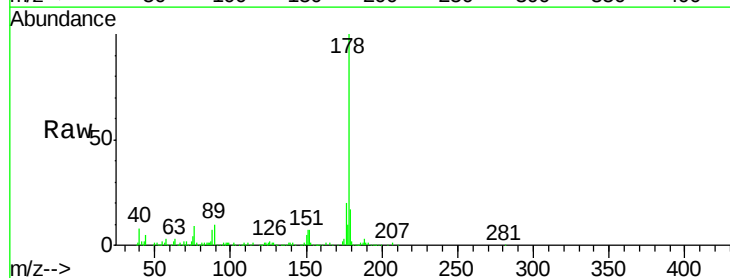
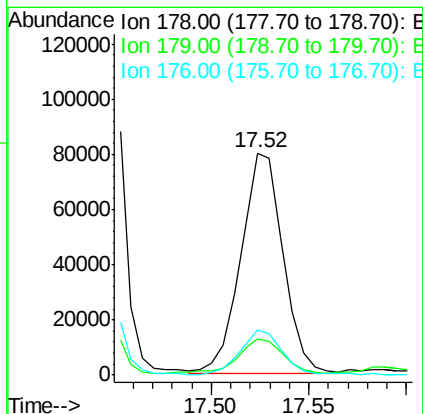
RT: 17.52 min Scan# 2457

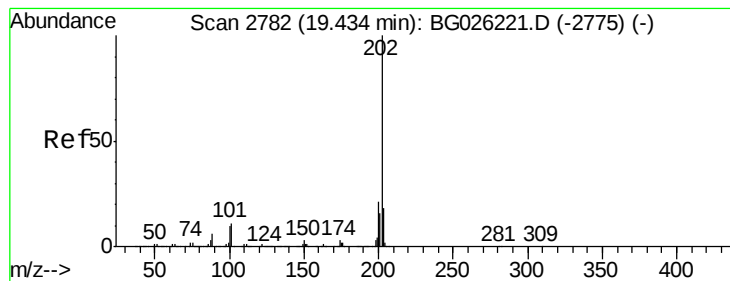
Delta R.T. -0.01 min

Lab File: BG026229.D

Acq: 14 Mar 2017 2:22

Tgt Ion:	178	Resp:	119852
Ion Ratio	Lower	Upper	
178	100		
179	16.6	12.7	19.1
176	20.2	15.8	23.8





#17

Fluoranthene

Concen: 30.48 ng/ul

RT: 19.43 min Scan# 2782

Delta R.T. -0.01 min

Lab File: BG026229.D

Acq: 14 Mar 2017 2:22

Instrument :

BNA_G

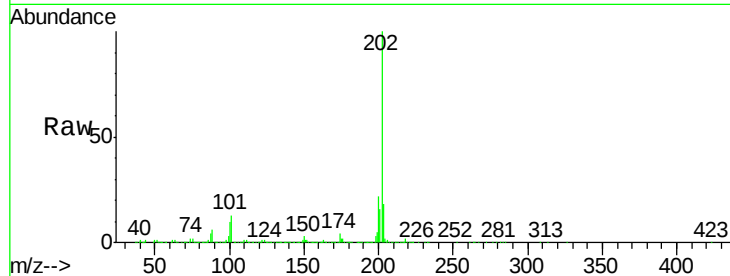
ClientSampleId :

CB2W8

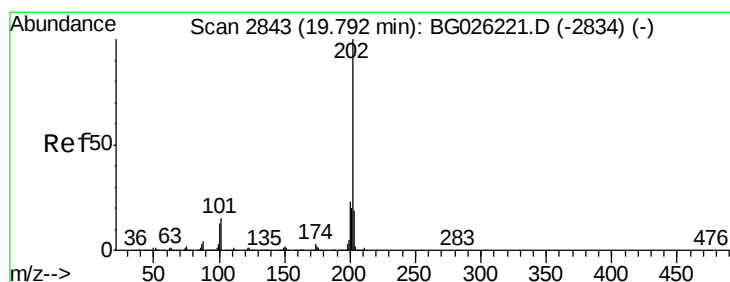
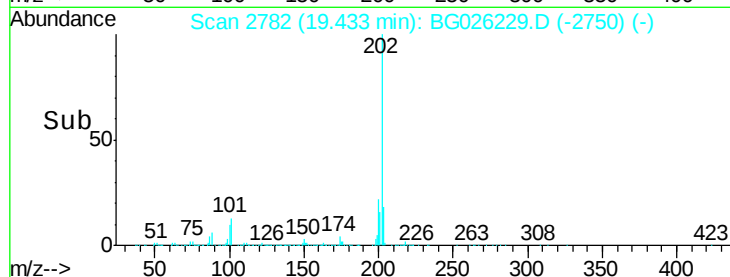
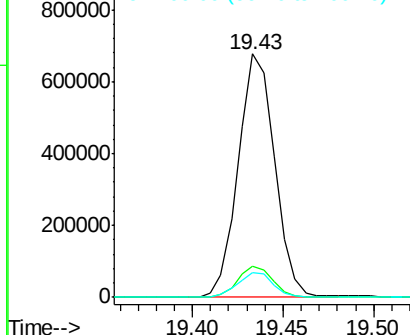
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		946654		
101	12.9	9.8	14.8		
100	10.1	7.5	11.3		

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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



#20

Pyrene

Concen: 22.39 ng/ul

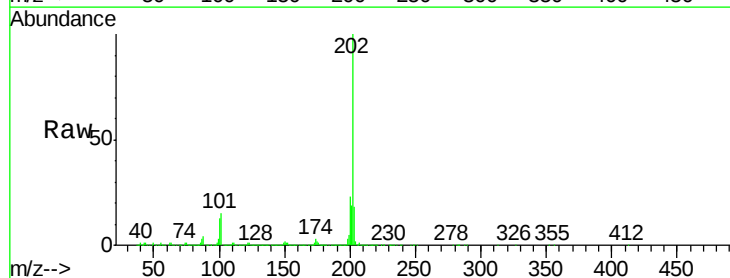
RT: 19.80 min Scan# 2844

Delta R.T. -0.00 min

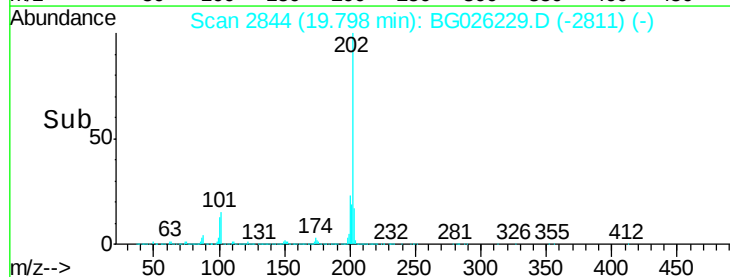
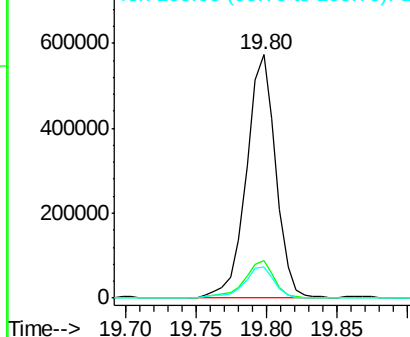
Lab File: BG026229.D

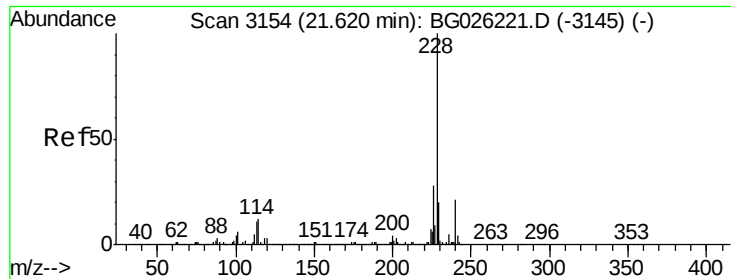
Acq: 14 Mar 2017 2:22

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		834310		
101	15.2	11.2	16.8		
100	12.6	9.8	14.6		



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





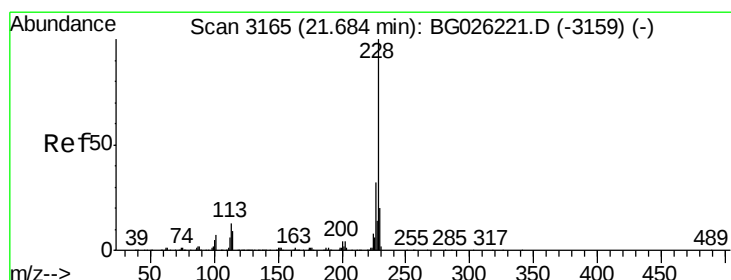
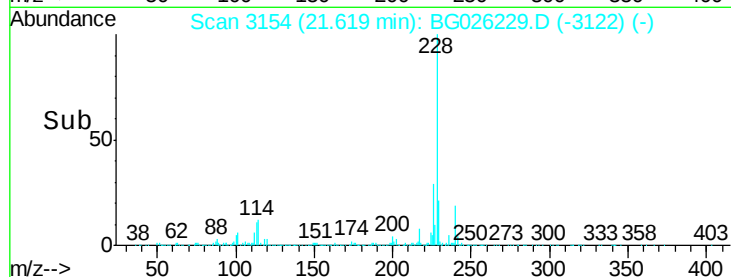
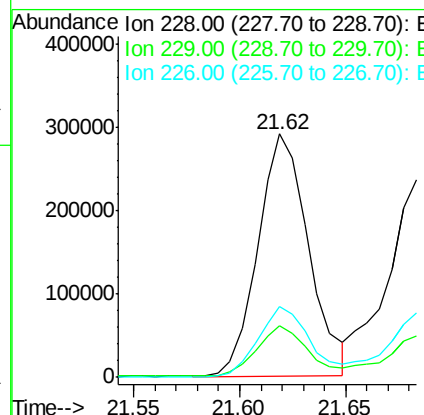
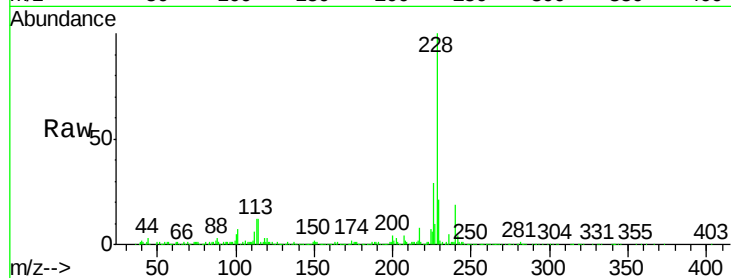
#21
Benzo(a)anthracene
Concen: 14.89 ng/ul
RT: 21.62 min Scan# 3154
Delta R.T. -0.01 min
Lab File: BG026229.D
Acq: 14 Mar 2017 2:22

Instrument :
BNA_G
ClientSampleId :
CB2W8

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.2	15.9	23.9
226	29.1	22.1	33.1

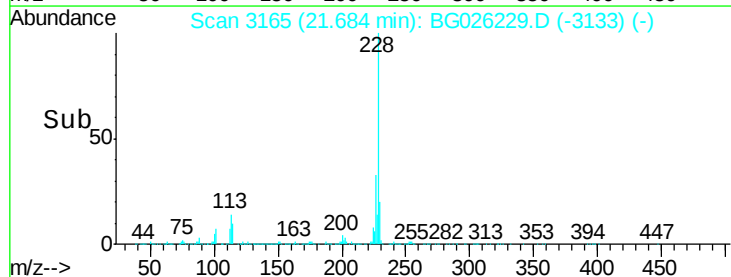
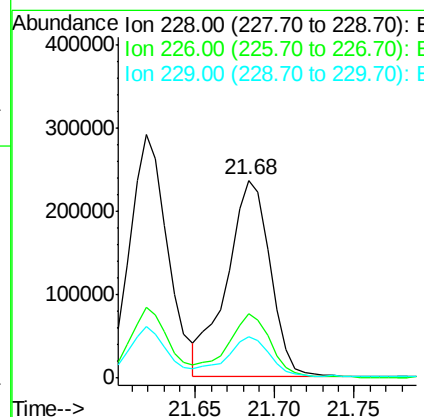
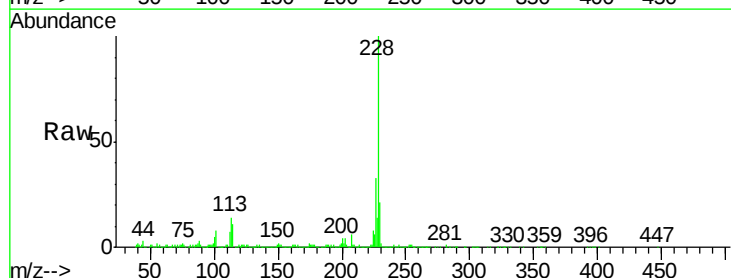
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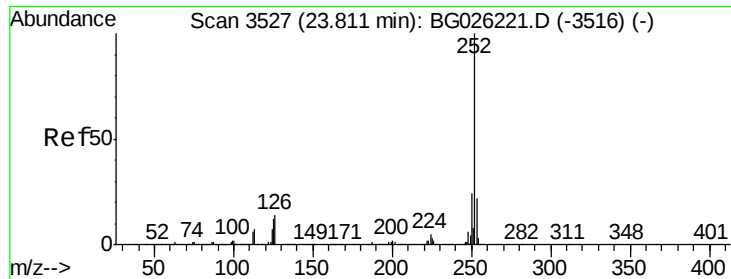
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#22
Chrysene
Concen: 14.72 ng/ul
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG026229.D
Acq: 14 Mar 2017 2:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	32.8	25.0	37.6
229	21.2	16.6	25.0





#24

Benzo(b)fluoranthene

Concen: 17.76 ng/ul

RT: 23.82 min Scan# 3528

Delta R.T. -0.02 min

Lab File: BG026229.D

Acq: 14 Mar 2017 2:22

Instrument :

BNA_G

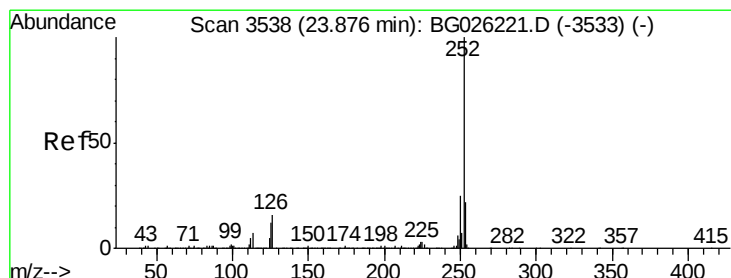
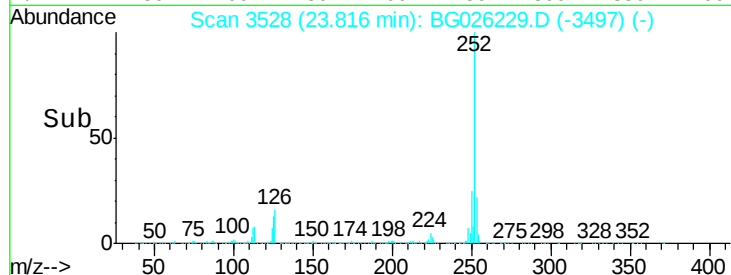
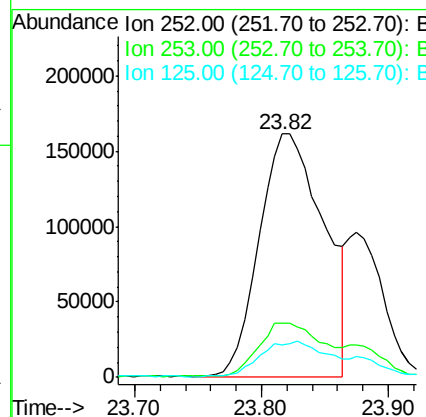
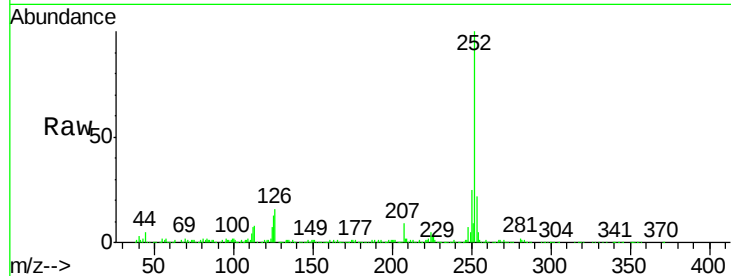
ClientSampleId :

CB2W8

Tgt Ion:	252	Resp:	569009
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.8	26.6
125	13.3	9.4	14.0

Manual Integrations
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#25

Benzo(k)fluoranthene

Concen: 6.32 ng/ul m

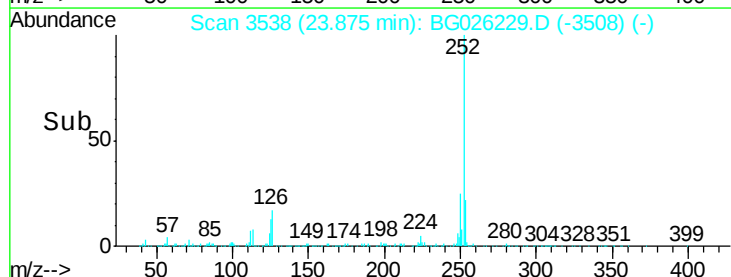
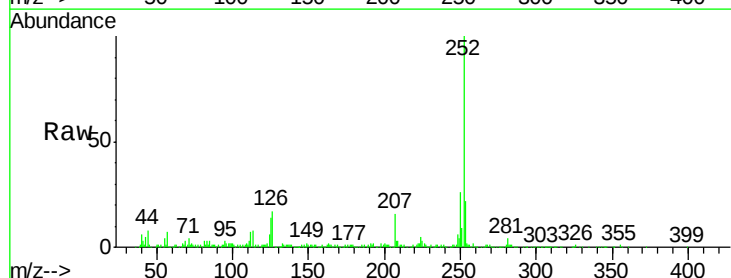
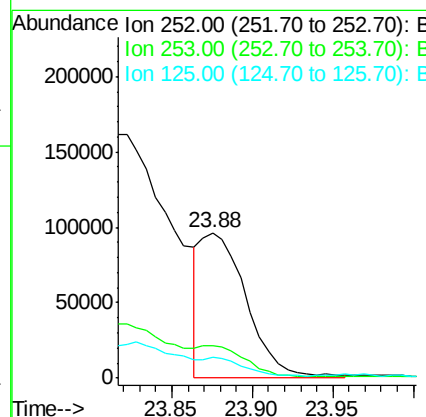
RT: 23.88 min Scan# 3538

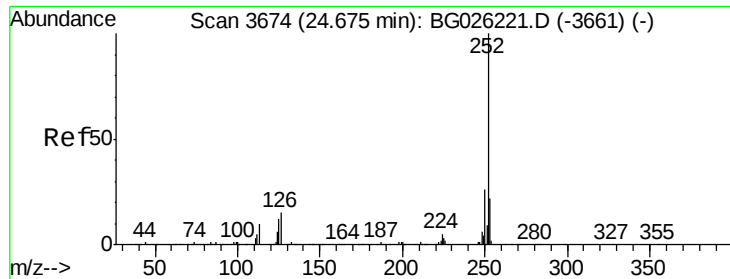
Delta R.T. -0.02 min

Lab File: BG026229.D

Acq: 14 Mar 2017 2:22

Tgt Ion:	252	Resp:	193425
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.4	26.2
125	14.0	8.8	13.2#





#27

Benzo(a)pyrene

Concen: 12.74 ng/ul

RT: 24.67 min Scan# 3674

Delta R.T. -0.02 min

Lab File: BG026229.D

Acq: 14 Mar 2017 2:22

Instrument :

BNA_G

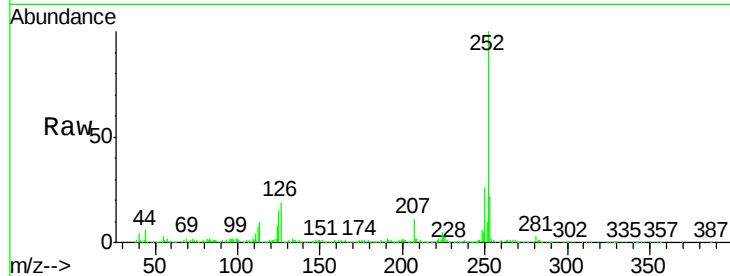
ClientSampleId :

CB2W8

Tgt Ion:	252	Resp:	379070
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.1	25.7
125	14.5	9.4	14.2

Manual Integrations
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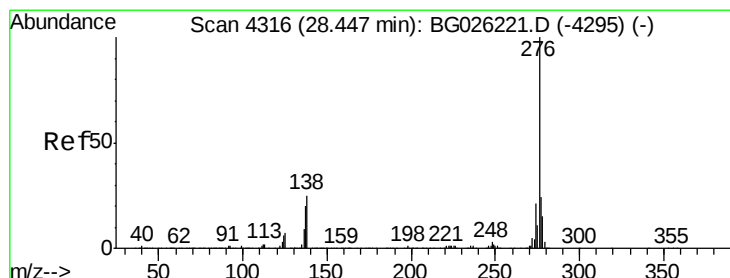
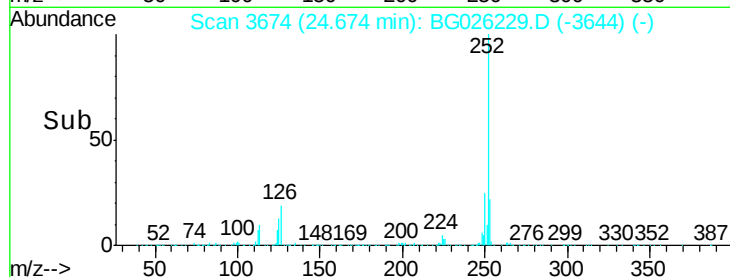
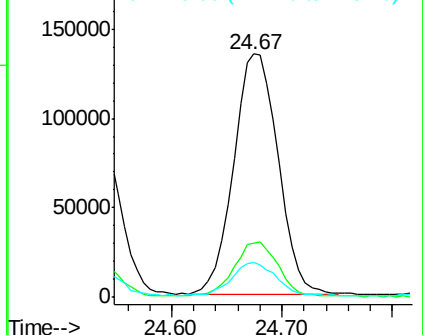
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#28

Indeno(1,2,3-cd)pyrene

Concen: 7.26 ng/ul

RT: 28.45 min Scan# 4316

Delta R.T. -0.03 min

Lab File: BG026229.D

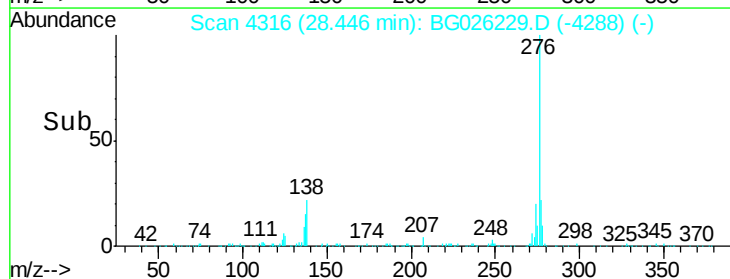
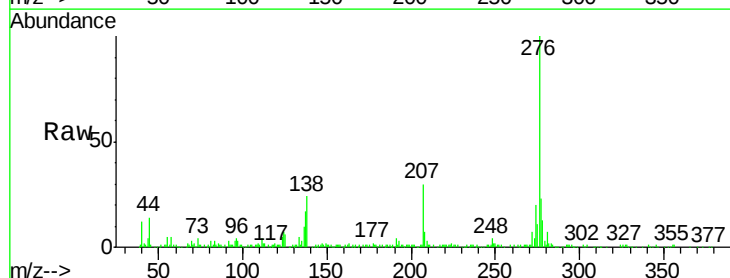
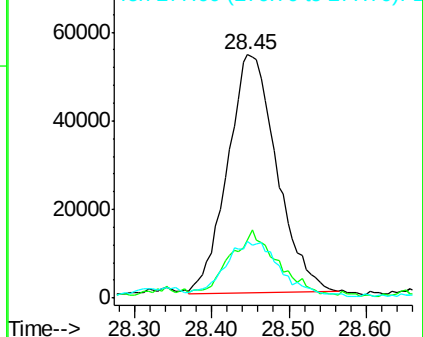
Acq: 14 Mar 2017 2:22

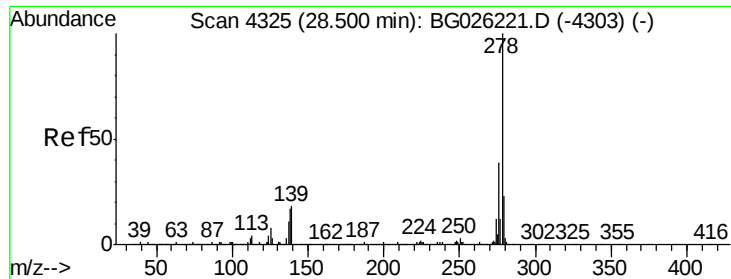
Tgt Ion:	276	Resp:	238458
Ion Ratio	Lower	Upper	
276	100		
138	23.7	17.8	26.6
277	23.4	19.4	29.0

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





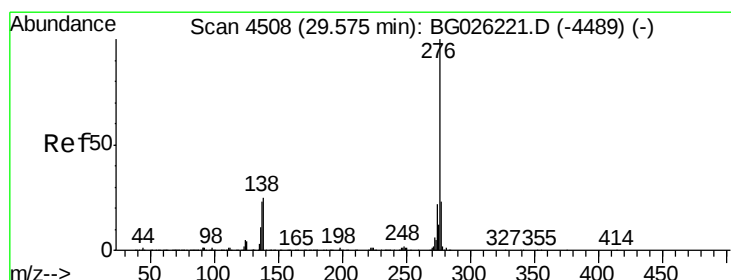
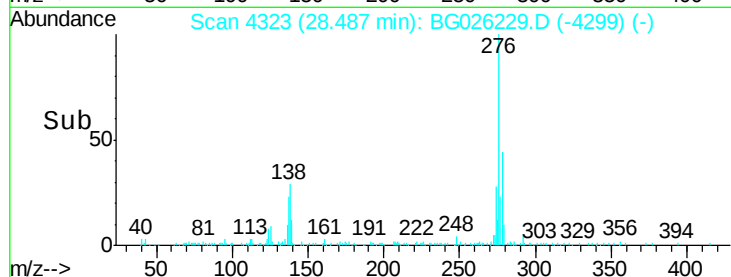
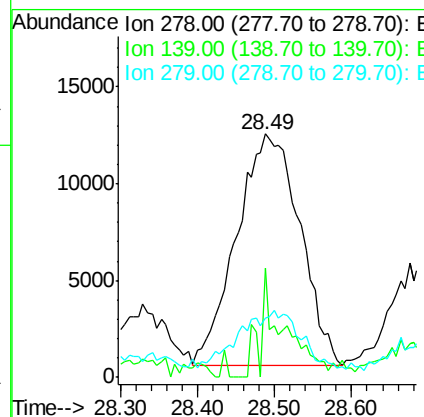
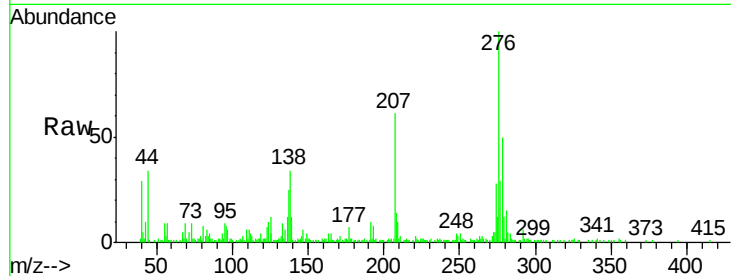
#29
Dibenzo(a,h)anthracene
Concen: 2.62 ng/ul
RT: 28.49 min Scan# 4323
Delta R.T. -0.06 min
Lab File: BG026229.D
Acq: 14 Mar 2017 2:22

Instrument :
BNA_G
ClientSampleId :
CB2W8

Tgt Ion	Ratio	Lower	Upper
278	100		
139	45.1	14.0	21.0#
279	24.6	20.6	31.0

Manual Integrations
APPROVED

mohammad
3/16/2017 10:53:48 AM



#30
Benzo(g,h,i)perylene
Concen: 8.04 ng/ul m
RT: 29.59 min Scan# 4510
Delta R.T. -0.02 min
Lab File: BG026229.D
Acq: 14 Mar 2017 2:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.8	19.0	28.4#
277	23.5	19.7	29.5

