

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031717\
 Data File : BG026316.D
 Acq On : 18 Mar 2017 13:38
 Operator : SJ/MA
 Sample : I2283-19
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB316

Manual Integrations
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Quant Time: Mar 20 04:00:37 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 20 03:22:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	157019	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	718841	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	390984	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	776917	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	775776	20.00	ng/ul	0.00
23) Perylene-d12	24.83	264	742886	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.47	165	77656	7.29	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	809010	24.27	ng/ul	0.00
10) Fluorene-d10	15.64	176	562193	23.12	ng/ul	0.00
15) Anthracene-d10	17.49	188	777202	22.51	ng/ul	0.00
19) Pyrene-d10	19.76	212	802723	20.28	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	733693	22.90	ng/ul	0.00
Target Compounds						
						Qvalue
4) Naphthalene	10.90	128	45295	1.29	ng/ul	97
9) Acenaphthene	14.72	153	25399	1.06	ng/ul	94
11) Fluorene	15.70	166	32295	1.19	ng/ul	88
14) Phenanthrene	17.43	178	593147	14.41	ng/ul	99
16) Anthracene	17.52	178	120196	2.89	ng/ul	97
17) Fluoranthene	19.43	202	1022418	23.92	ng/ul	99
20) Pyrene	19.79	202	837293	16.95	ng/ul	98
21) Benzo(a)anthracene	21.62	228	493398	11.43	ng/ul	98
22) Chrysene	21.68	228	471929	11.71	ng/ul	100
24) Benzo(b)fluoranthene	23.82	252	613807	14.55	ng/ul	96
25) Benzo(k)fluoranthene	23.88	252	237815m	5.90	ng/ul	
27) Benzo(a)pyrene	24.67	252	392025	10.00	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.45	276	212730m	4.92	ng/ul	
29) Dibenzo(a,h)anthracene	28.49	278	60097m	1.75	ng/ul	
30) Benzo(g,h,i)perylene	29.59	276	166868m	4.51	ng/ul	

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

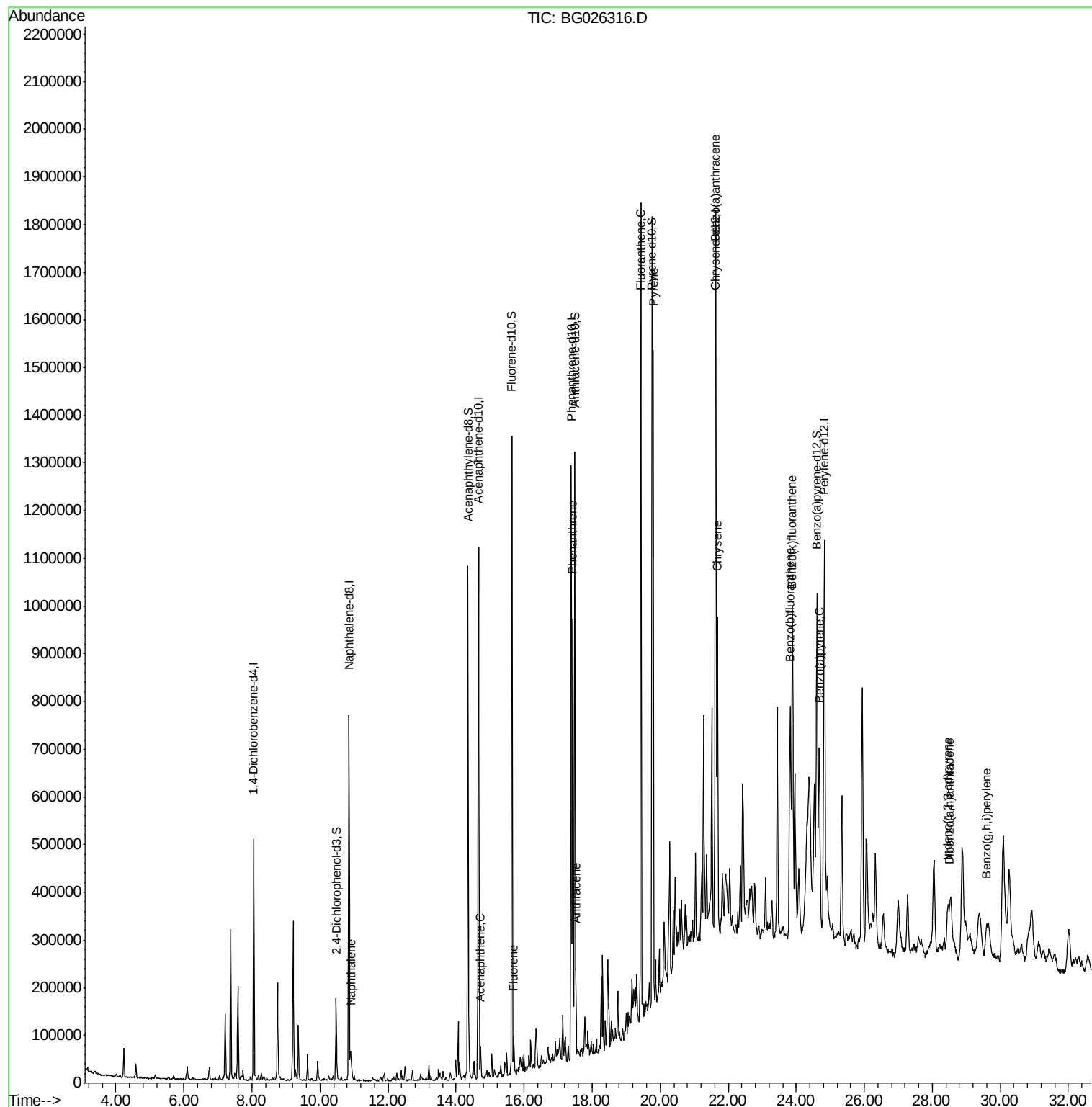
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031717\
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Sample : I2283-19
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ALS Vial : 39 Sample Multiplier: 1

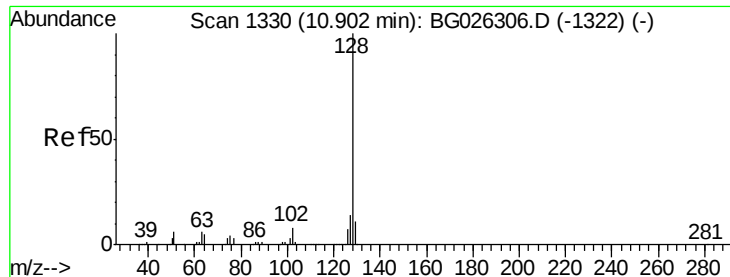
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#4

Naphthalene

Concen: 1.29 ng/ul

RT: 10.90 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BG026316.D

Acq: 18 Mar 2017 13:38

Instrument :

BNA_G

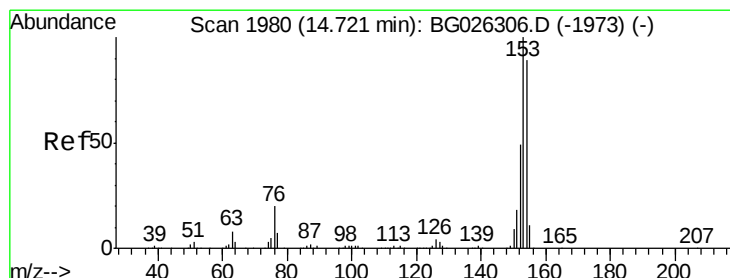
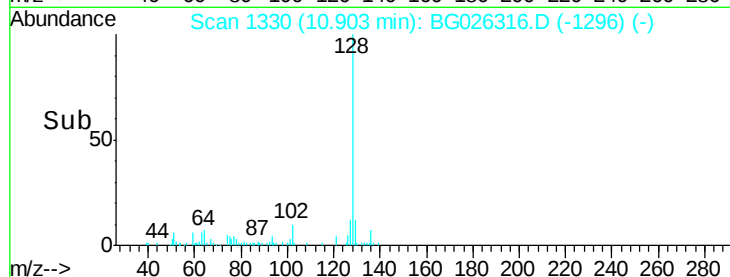
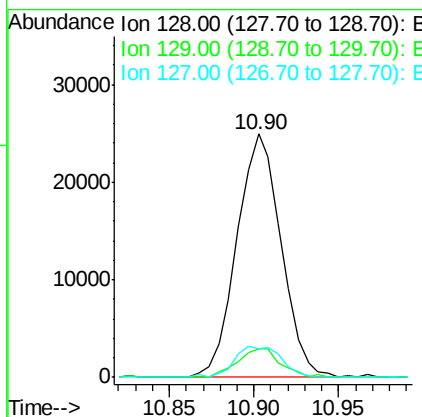
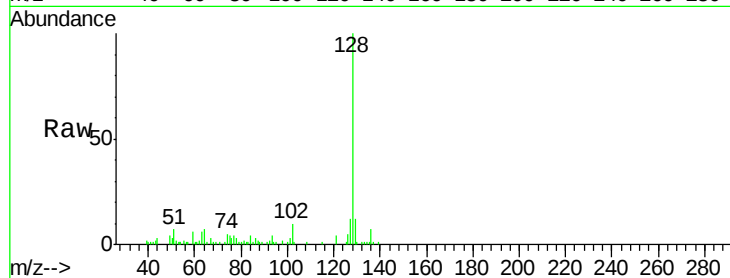
ClientSampleId :

CB316

Tgt Ion:	128	Resp:	45295
Ion Ratio	Lower	Upper	
128	100		
129	11.7	9.1	13.7
127	11.5	10.6	15.8

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#9

Acenaphthene

Concen: 1.06 ng/ul

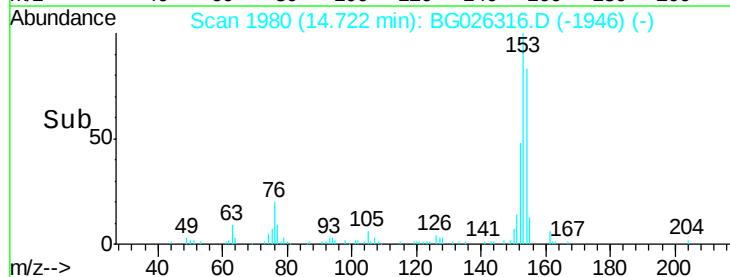
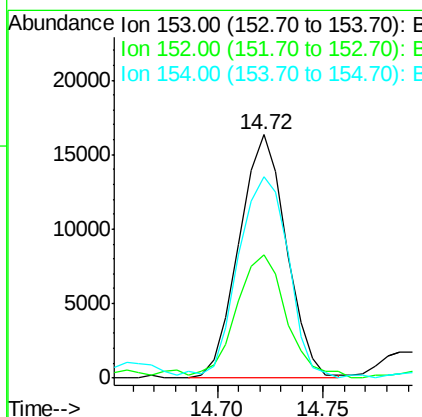
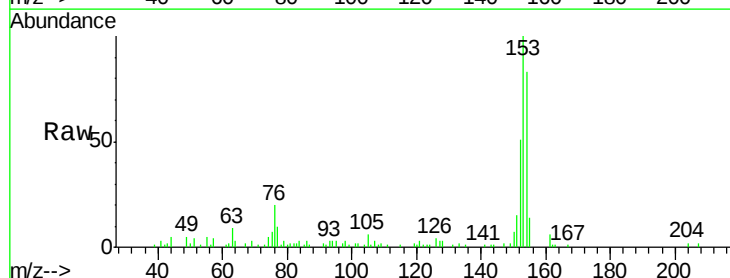
RT: 14.72 min Scan# 1980

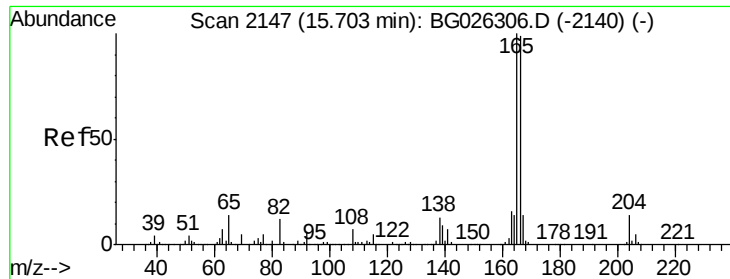
Delta R.T. 0.00 min

Lab File: BG026316.D

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Tgt Ion:	153	Resp:	25399
Ion Ratio	Lower	Upper	
153	100		
152	50.6	37.9	56.9
154	82.6	71.6	107.4





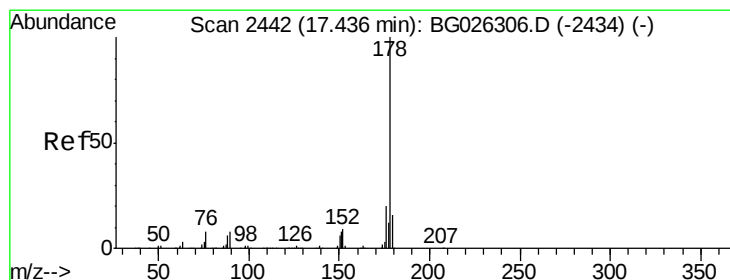
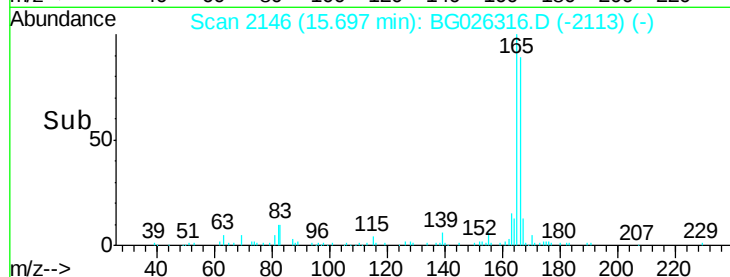
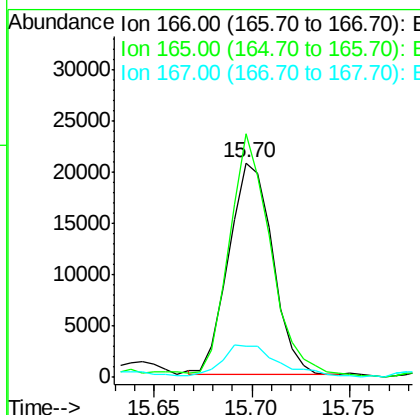
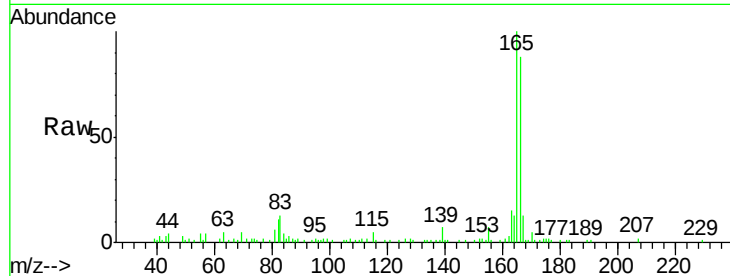
#11
 Fluorene
 Concen: 1.19 ng/ul
 RT: 15.70 min Scan# 2146
 Delta R.T. -0.01 min
 Lab File: BG026316.D
 Acq: 18 Mar 2017 13:38

Instrument :
 BNA_G
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Tgt Ion	Ratio	Resp	Lower	Upper
166	100	32295		
165	113.4	80.0	120.0	
167	14.3	11.6	17.4	

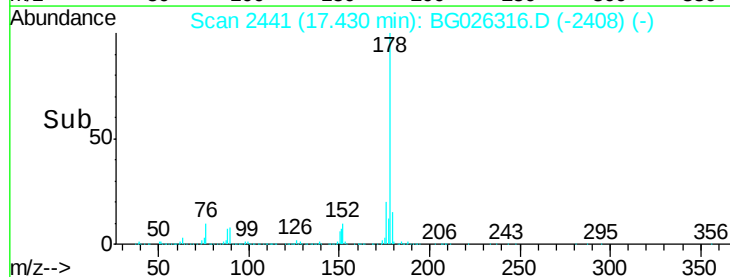
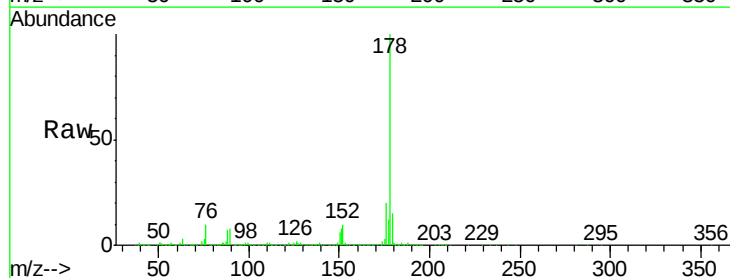
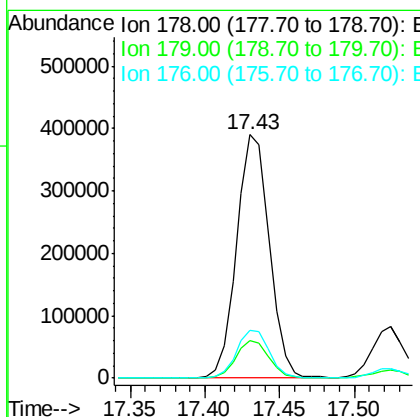
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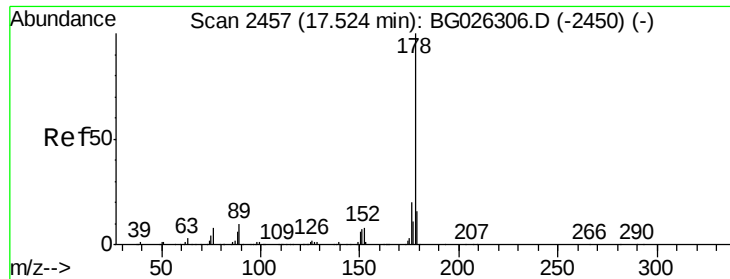
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#14
 Phenanthrene
 Concen: 14.41 ng/ul
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BG026316.D
 Acq: 18 Mar 2017 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	593147		
179	15.3	12.2	18.4	
176	19.7	16.4	24.6	





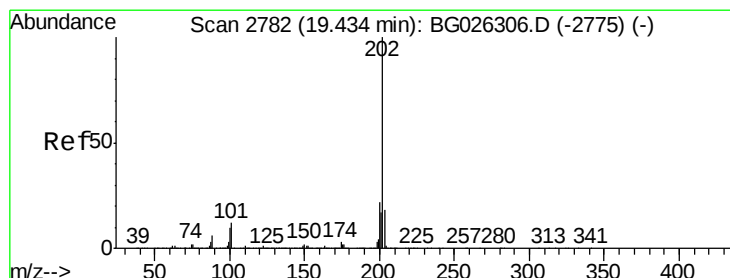
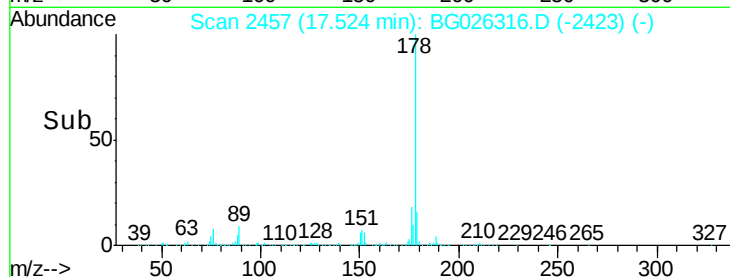
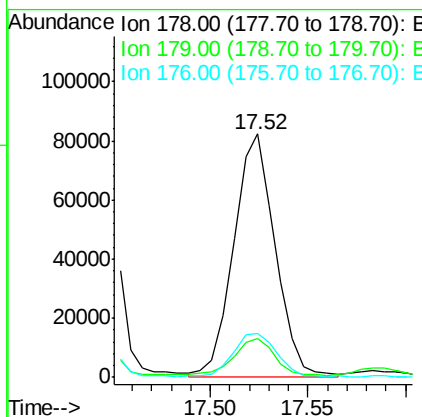
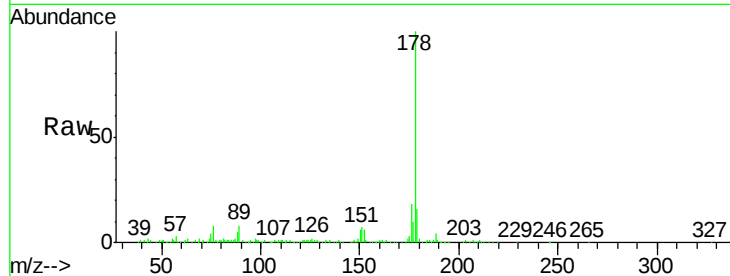
#16
 Anthracene
 Concen: 2.89 ng/ul
 RT: 17.52 min Scan# 2457
 Delta R.T. 0.00 min
 Lab File: BG026316.D
 Acq: 18 Mar 2017 13:38

Instrument :
 BNA_G
 ClientSampled :
 CB316

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.7	19.1
176	17.9	15.8	23.8

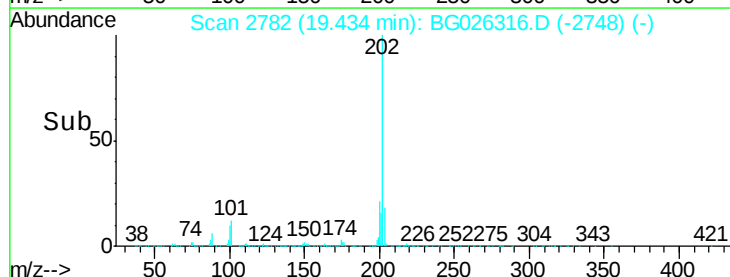
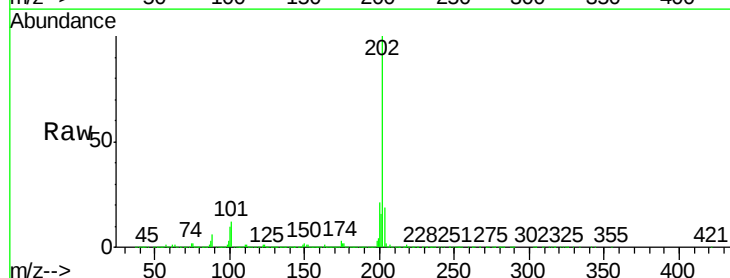
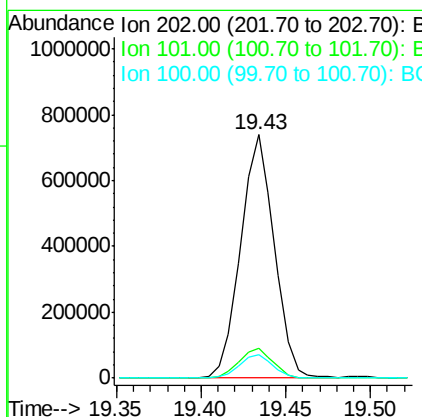
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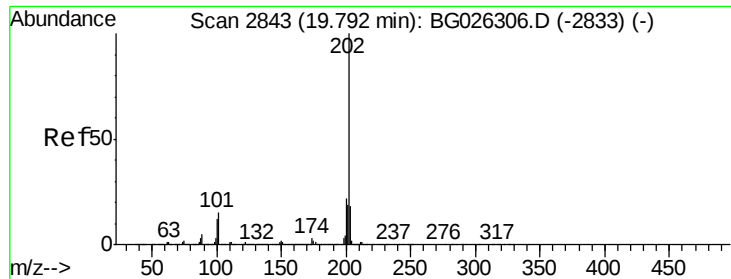
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#17
 Fluoranthene
 Concen: 23.92 ng/ul
 RT: 19.43 min Scan# 2782
 Delta R.T. 0.00 min
 Lab File: BG026316.D
 Acq: 18 Mar 2017 13:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.8	14.8
100	9.7	7.5	11.3





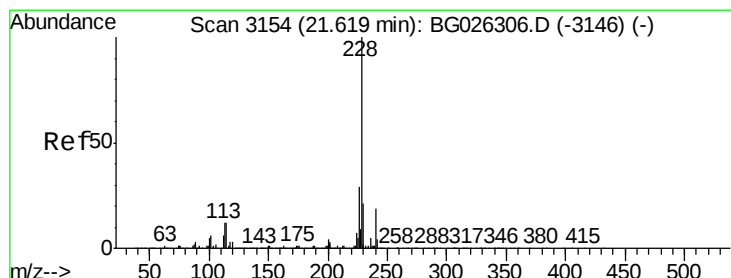
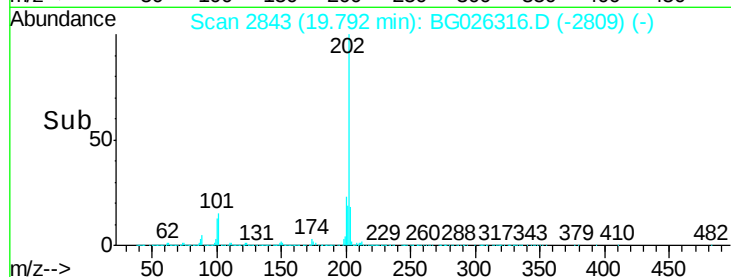
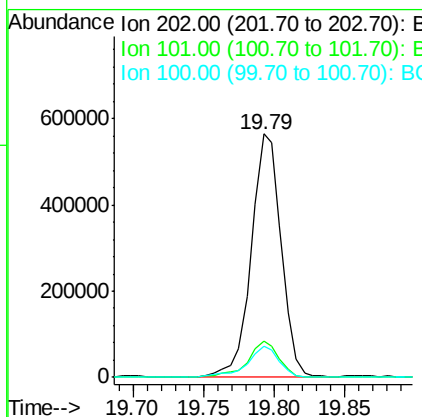
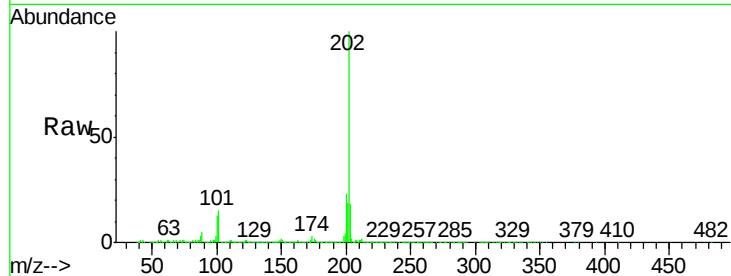
#20
Pyrene
Concen: 16.95 ng/ul
RT: 19.79 min Scan# 2843
Delta R.T. 0.00 min
Lab File: BG026316.D
Acq: 18 Mar 2017 13:38

Instrument :
BNA_G
ClientSampleId :
CB316

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.0	11.2	16.8
100	12.6	9.8	14.6

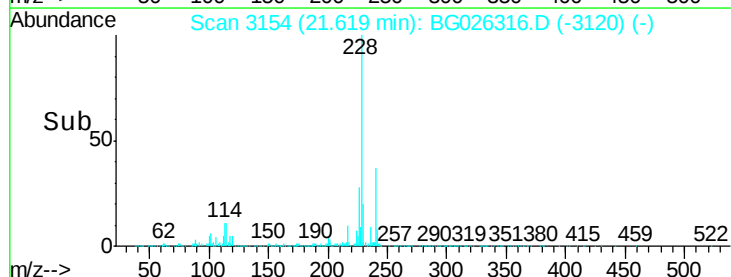
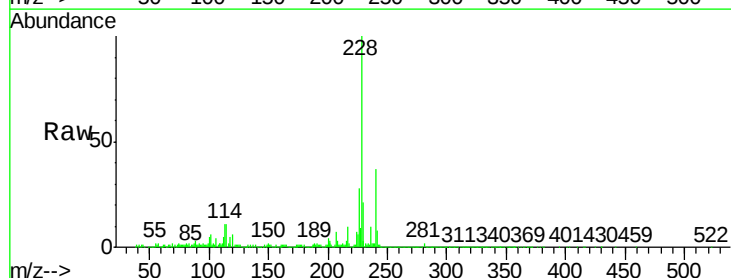
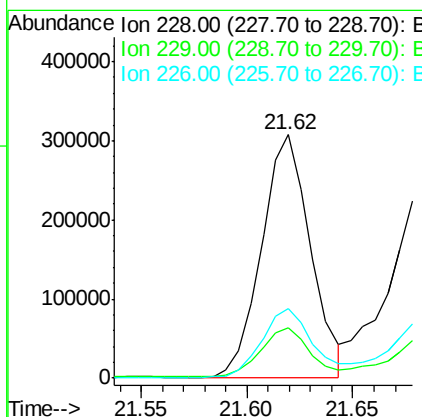
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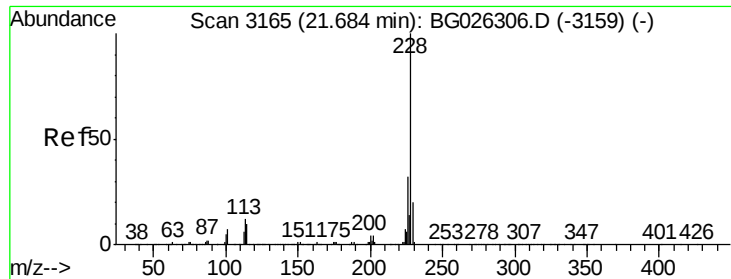
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#21
Benzo(a)anthracene
Concen: 11.43 ng/ul
RT: 21.62 min Scan# 3154
Delta R.T. 0.00 min
Lab File: BG026316.D
Acq: 18 Mar 2017 13:38

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.9	23.9
226	28.4	22.1	33.1





#22

Chrysene

Concen: 11.71 ng/ul

RT: 21.68 min Scan# 3165

Delta R.T. 0.00 min

Lab File: BG026316.D

Acq: 18 Mar 2017 13:38

Instrument :

BNA_G

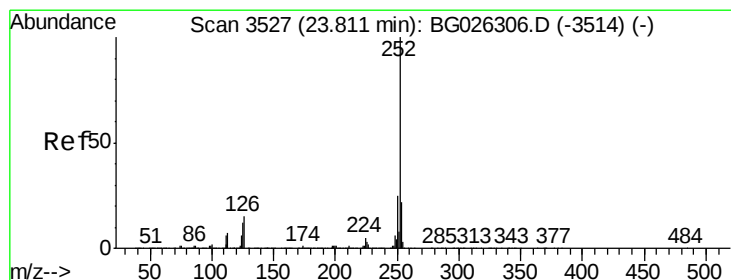
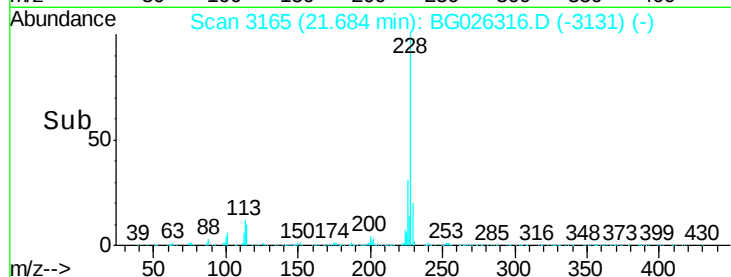
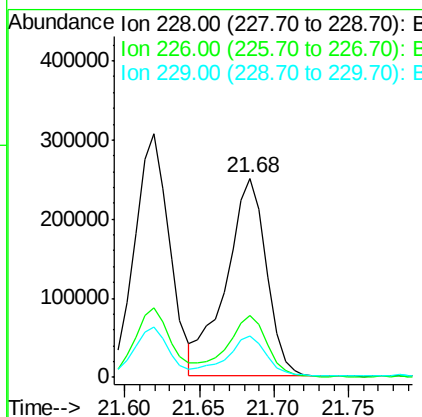
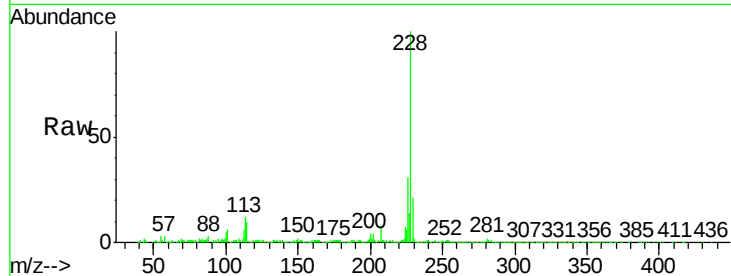
ClientSampleId :

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Tgt Ion:	228	Resp:	471929
Ion Ratio		Lower	Upper
228	100		
226	31.3	25.0	37.6
229	21.0	16.6	25.0

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#24

Benzo(b)fluoranthene

Concen: 14.55 ng/ul

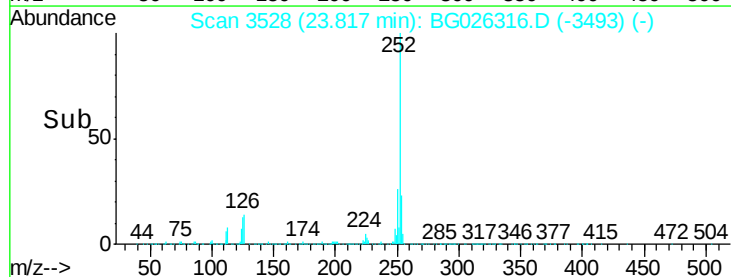
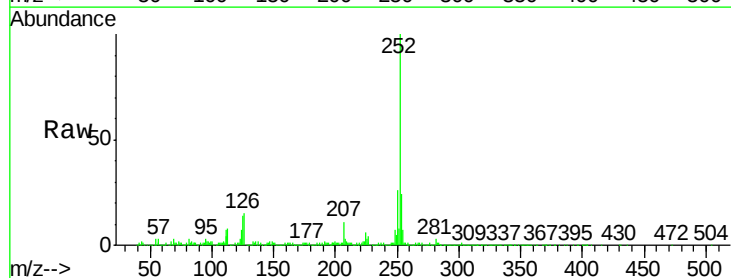
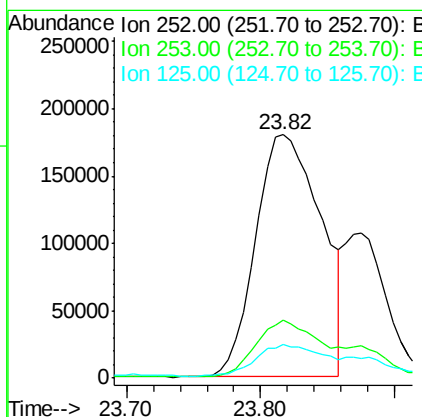
RT: 23.82 min Scan# 3528

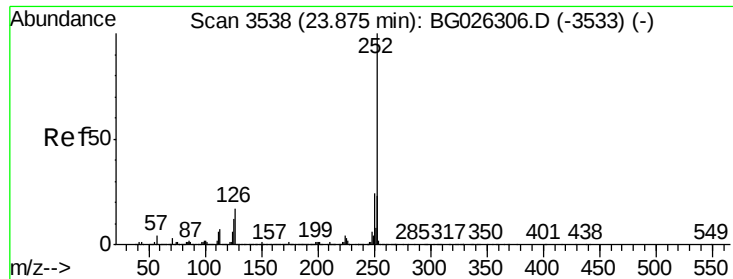
Delta R.T. 0.01 min

Lab File: BG026316.D

Acq: 18 Mar 2017 13:38

Tgt Ion:	252	Resp:	613807
Ion Ratio		Lower	Upper
252	100		
253	23.8	17.8	26.6
125	13.8	9.4	14.0





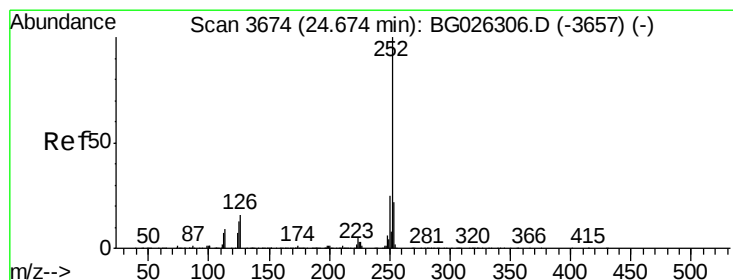
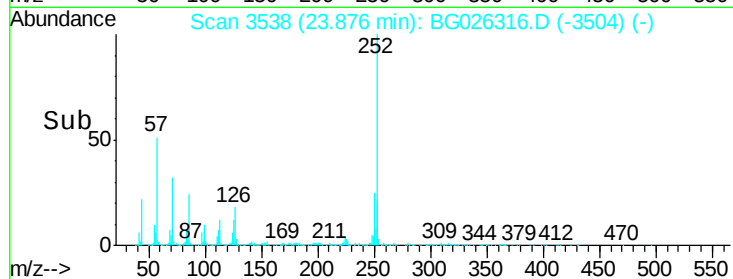
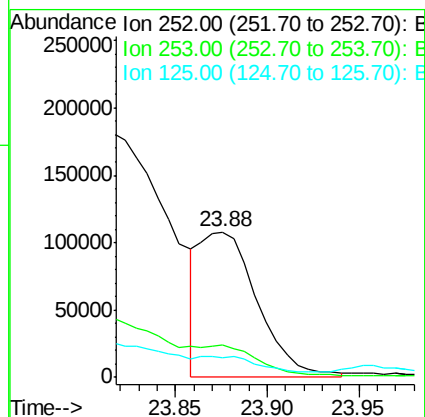
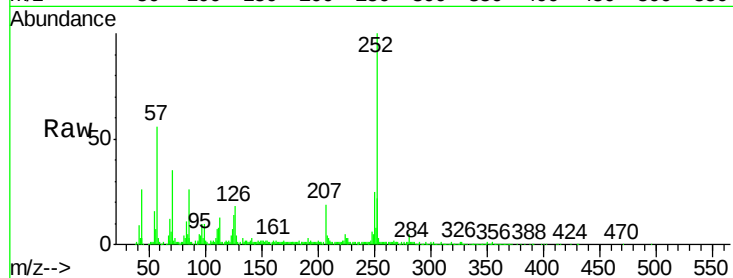
#25
Benzo(k)fluoranthene
Concen: 5.90 ng/ul m
RT: 23.88 min Scan# 3538
Delta R.T. 0.00 min
Lab File: BG026316.D
Acq: 18 Mar 2017 13:38

Instrument :
BNA_G
ClientSampled :
CB316

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.0	17.4	26.2
125	13.9	8.8	13.2#

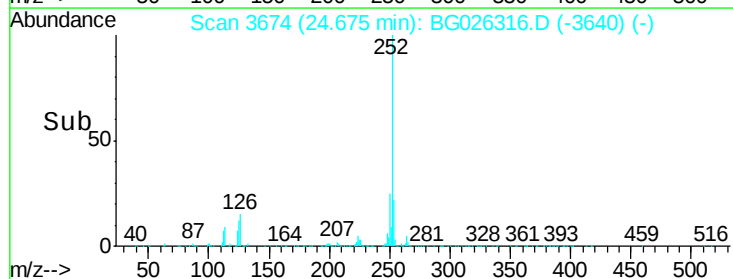
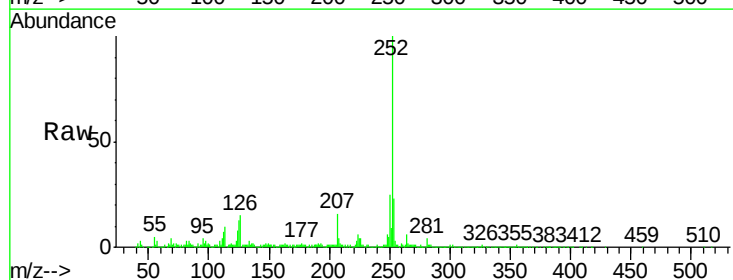
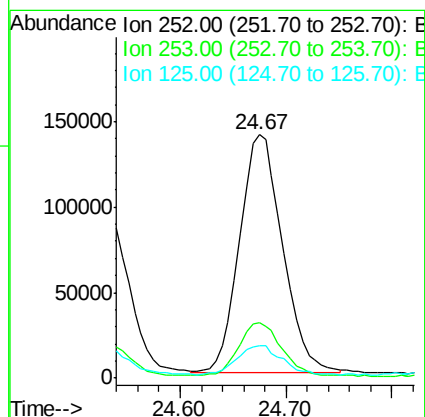
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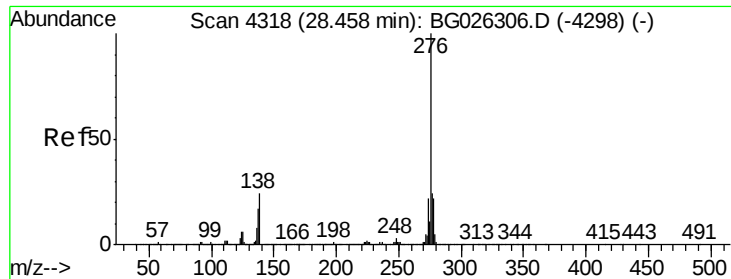
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#27
Benzo(a)pyrene
Concen: 10.00 ng/ul
RT: 24.67 min Scan# 3674
Delta R.T. 0.00 min
Lab File: BG026316.D
Acq: 18 Mar 2017 13:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.6	17.1	25.7
125	13.5	9.4	14.2





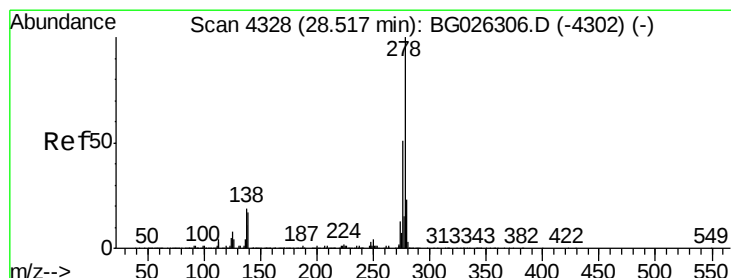
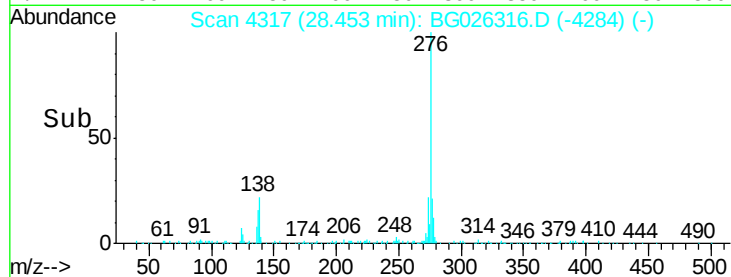
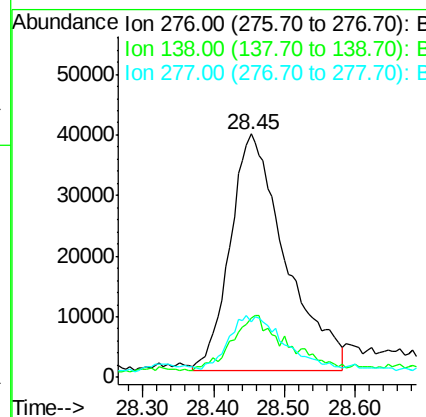
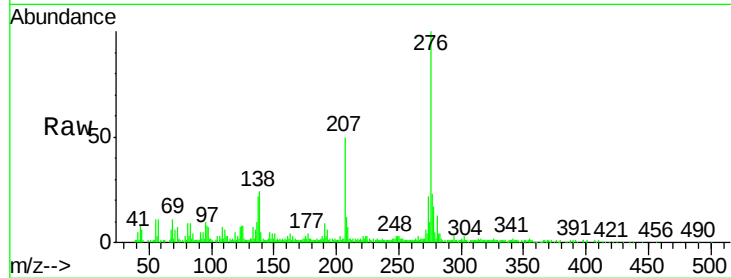
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 4.92 ng/ul m
 RT: 28.45 min Scan# 4317
 Delta R.T. -0.01 min
 Lab File: BG026316.D
 Acq: 18 Mar 2017 13:38

Instrument :
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 ClientSampled :
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Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.4	17.8	26.6
277	23.0	19.4	29.0

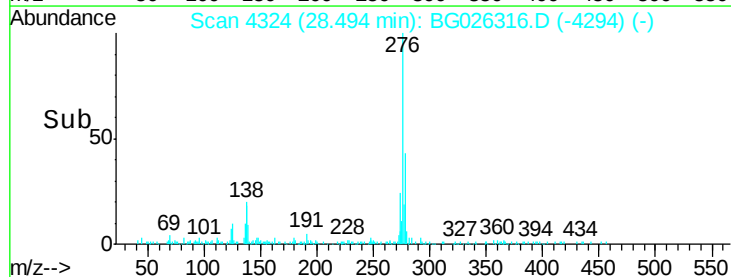
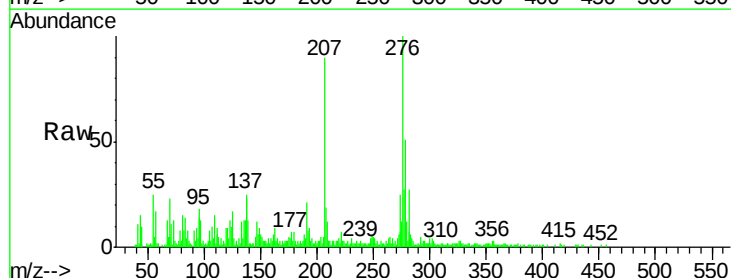
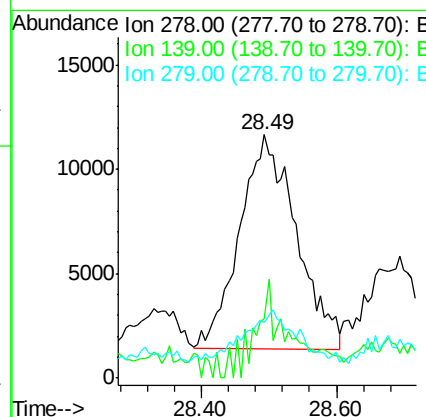
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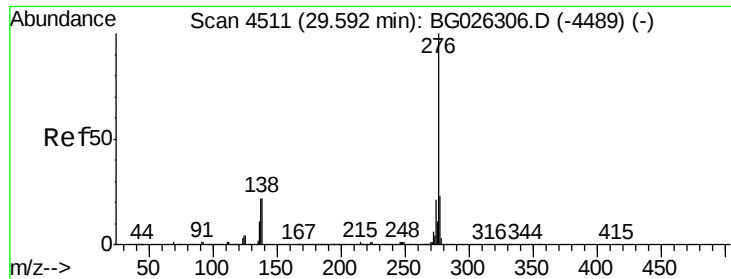
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#29
 Dibenzo(a,h)anthracene
 Concen: 1.75 ng/ul m
 RT: 28.49 min Scan# 4324
 Delta R.T. -0.02 min
 Lab File: BG026316.D
 Acq: 18 Mar 2017 13:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.6	14.0	21.0#
279	22.7	20.6	31.0





#30

Benzo(g,h,i)perylene

Concen: 4.51 ng/ul m

RT: 29.59 min Scan# 4511

Delta R.T. 0.00 min

Lab File: BG026316.D

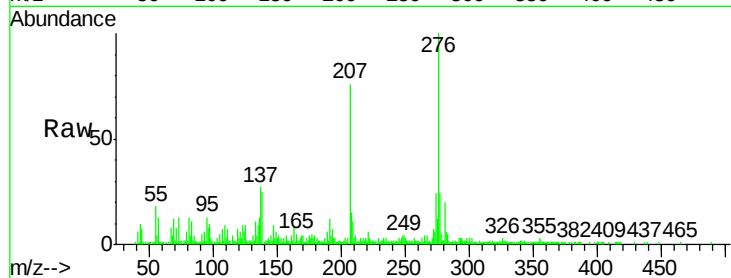
Acq: 18 Mar 2017 13:38

Instrument :

BNA_G

ClientSampleId :

CB316



Tgt Ion:	276	Resp:	166868
Ion Ratio	Lower	Upper	
276	100		
138	24.9	19.0	28.4
277	24.1	19.7	29.5

Manual Integrations
APPROVED

mohammad
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