

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
 Data File : BG026228.D
 Acq On : 14 Mar 2017 1:42
 Operator : SJ/MA
 Sample : I2217-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB2Y8

Manual Integrations
 APPROVED

mohammad
 3/16/2017 10:53:45 AM

Quant Time: Mar 15 17:59:00 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	80939	20.00	ng/ul	-0.01
2) Naphthalene-d8	10.86	136	407959	20.00	ng/ul	-0.01
6) Acenaphthene-d10	14.66	164	243122	20.00	ng/ul	-0.01
12) Phenanthrene-d10	17.39	188	546663	20.00	ng/ul	-0.01
18) Chrysene-d12	21.64	240	578646	20.00	ng/ul	-0.01
23) Perylene-d12	24.83	264	553769	20.00	ng/ul	-0.02
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	103371	17.11	ng/uL	0.00
7) Acenaphthylene-d8	14.36	160	549647	26.52	ng/ul	0.00
10) Fluorene-d10	15.65	176	388499	25.69	ng/ul	-0.01
15) Anthracene-d10	17.49	188	553436	22.78	ng/ul	-0.01
19) Pyrene-d10	19.76	212	597385	20.23	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	565172	23.66	ng/ul	-0.02
Target Compounds						
14) Phenanthrene	17.43	178	220296	7.60	ng/ul	Qvalue 97
16) Anthracene	17.53	178	37938	1.30	ng/ul	98
17) Fluoranthene	19.44	202	389076	12.94	ng/ul	98
20) Pyrene	19.79	202	349679	9.49	ng/ul	99
21) Benzo(a)anthracene	21.62	228	201635	6.26	ng/ul	98
22) Chrysene	21.68	228	197123	6.56	ng/ul	98
24) Benzo(b)fluoranthene	23.82	252	259624	8.26	ng/ul	94
25) Benzo(k)fluoranthene	23.87	252	108294m	3.61	ng/ul	
27) Benzo(a)pyrene	24.67	252	167022	5.72	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	28.44	276	127934	3.97	ng/ul	92
29) Dibenzo(a,h)anthracene	28.50	278	34750m	1.36	ng/ul	
30) Benzo(g,h,i)perylene	29.59	276	118339	4.29	ng/ul	94

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

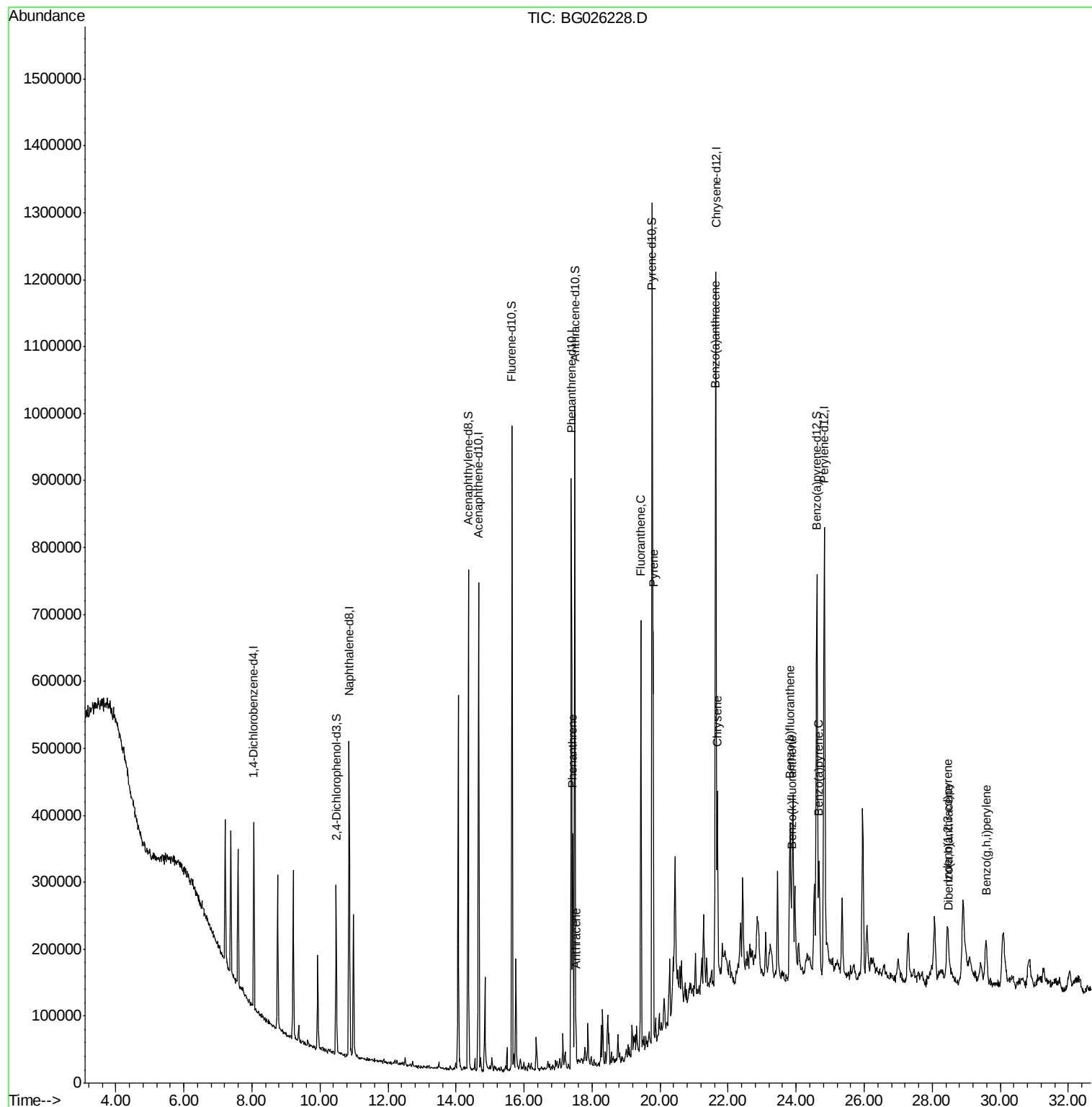
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
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ALS Vial : 22 Sample Multiplier: 1

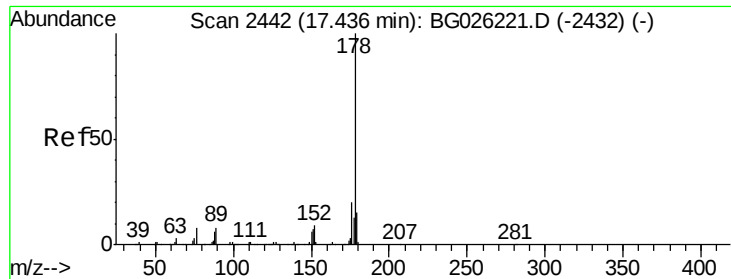
Instrument :
BNA_G
ClientSampled :
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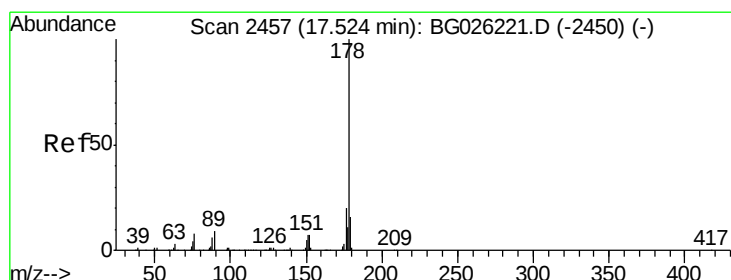
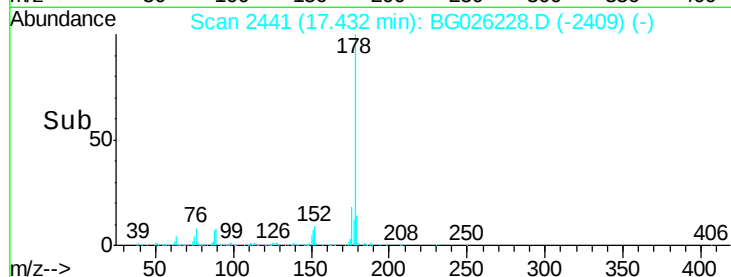
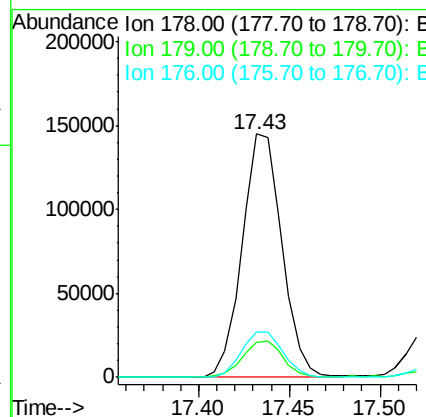
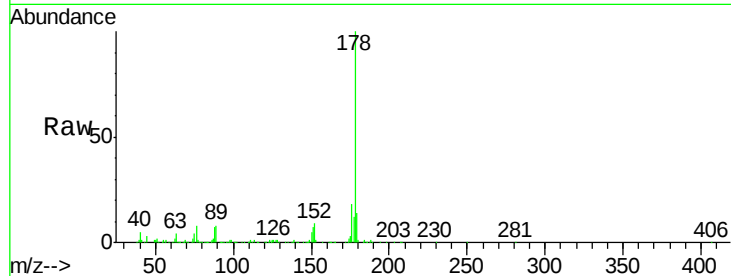
#14
Phenanthrene
Concen: 7.60 ng/ul
RT: 17.43 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BG026228.D
Acq: 14 Mar 2017 1:42

Instrument :
BNA_G
ClientSampleId :
CB2Y8

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
179	14.4	12.2	18.4
176	18.4	16.4	24.6

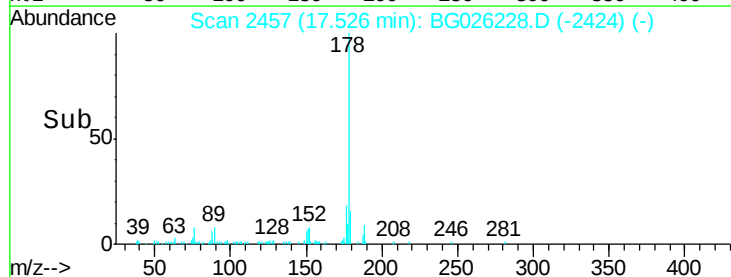
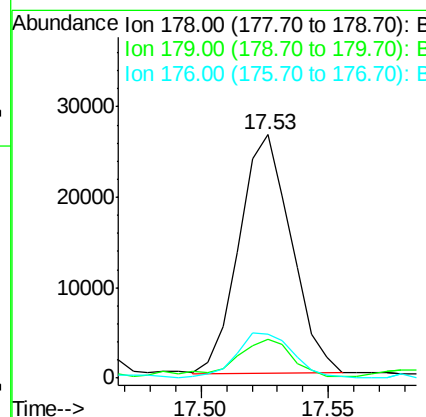
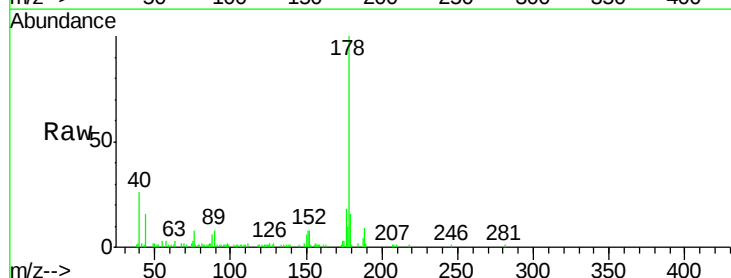
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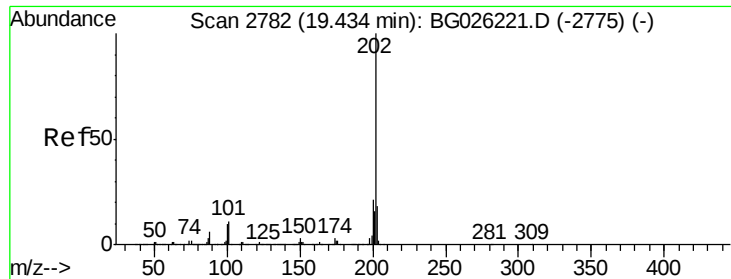
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#16
Anthracene
Concen: 1.30 ng/ul
RT: 17.53 min Scan# 2457
Delta R.T. -0.01 min
Lab File: BG026228.D
Acq: 14 Mar 2017 1:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
179	15.8	12.7	19.1
176	18.2	15.8	23.8





#17

Fluoranthene

Concen: 12.94 ng/ul

RT: 19.44 min Scan# 2782

Delta R.T. -0.01 min

Lab File: BG026228.D

Acq: 14 Mar 2017 1:42

Instrument :

BNA_G

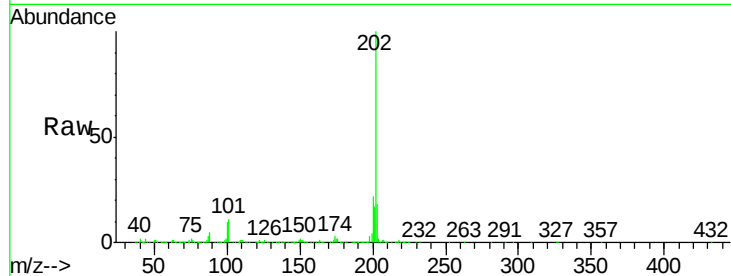
ClientSampleId :

CB2Y8

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.4	9.8	14.8
100	9.6	7.5	11.3

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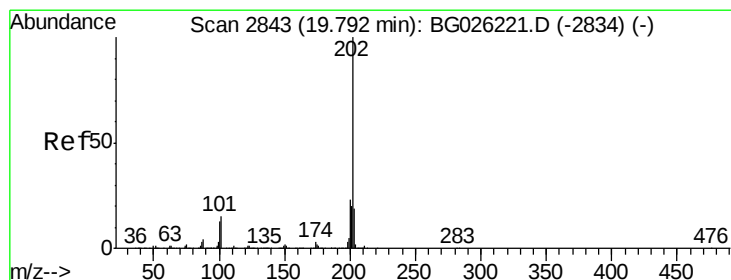
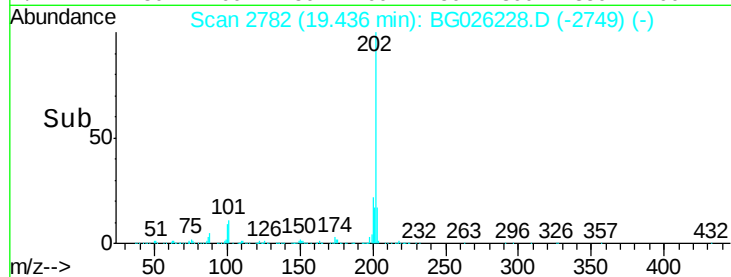
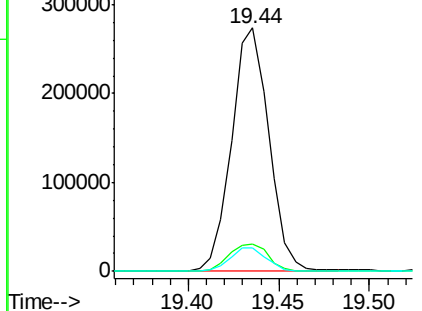
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#20

Pyrene

Concen: 9.49 ng/ul

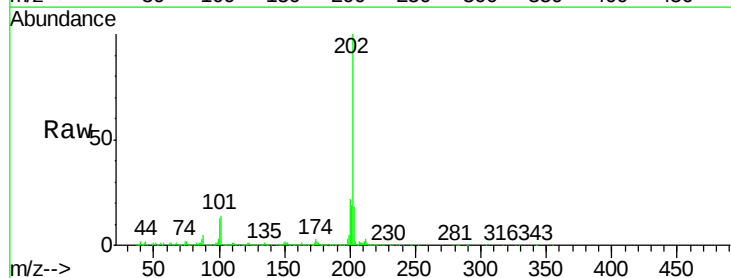
RT: 19.79 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BG026228.D

Acq: 14 Mar 2017 1:42

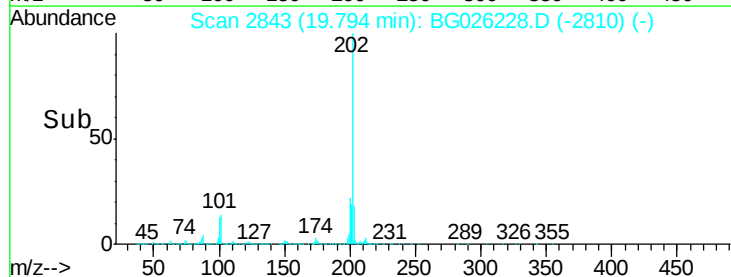
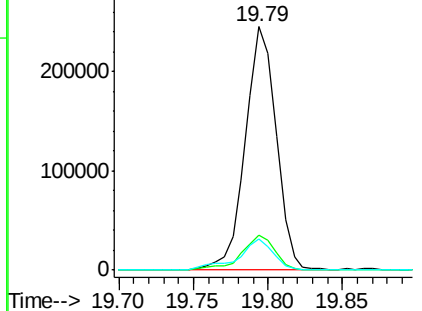
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.3	11.2	16.8
100	13.0	9.8	14.6

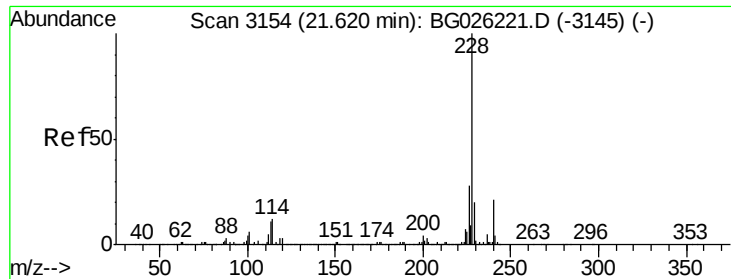


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 6.26 ng/ul

RT: 21.62 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BG026228.D

Acq: 14 Mar 2017 1:42

Instrument :

BNA_G

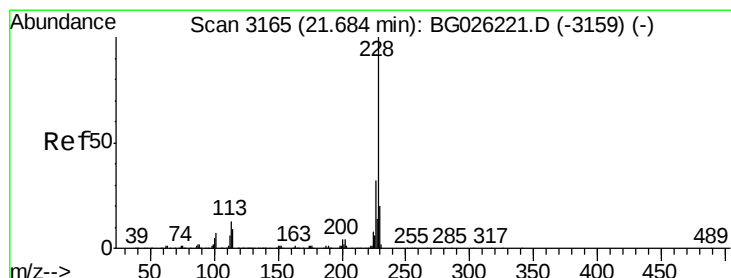
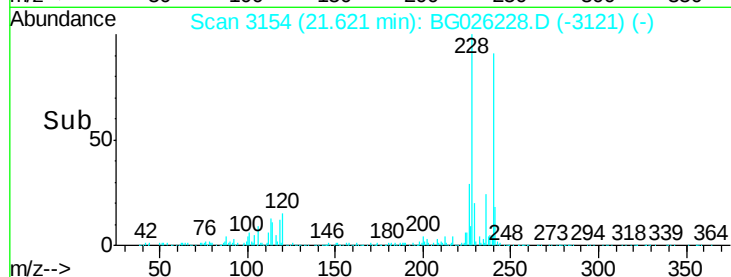
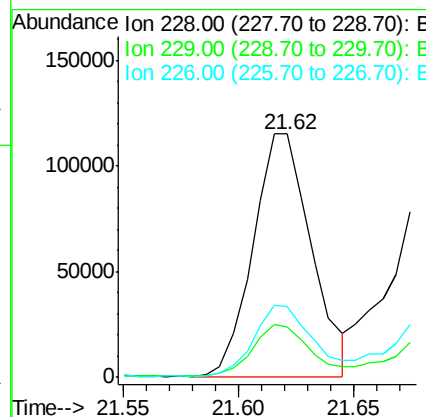
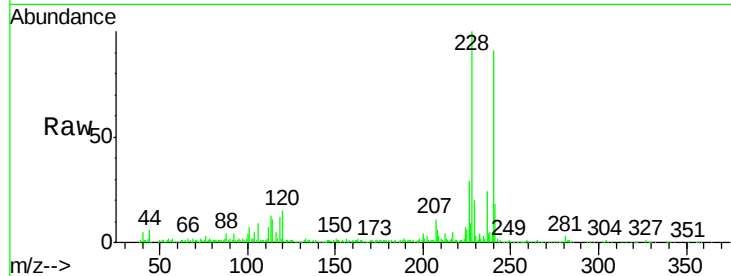
ClientSampleId :

CB2Y8

Tgt	Ion	228	Resp:	201635
	Ratio	100	Lower	Upper
228	100			
229	20.5	15.9	23.9	
226	29.3	22.1	33.1	

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#22

Chrysene

Concen: 6.56 ng/ul

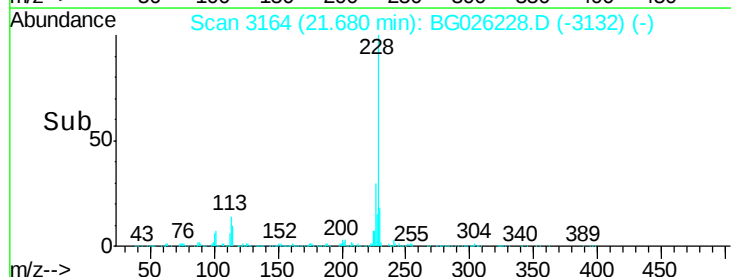
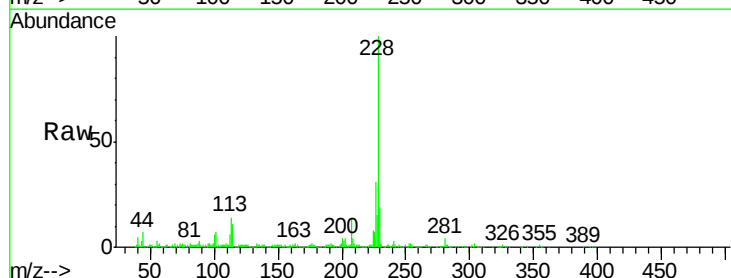
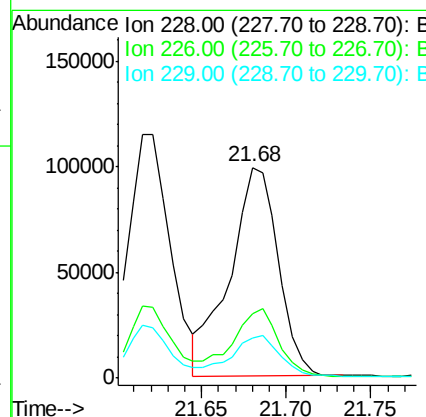
RT: 21.68 min Scan# 3164

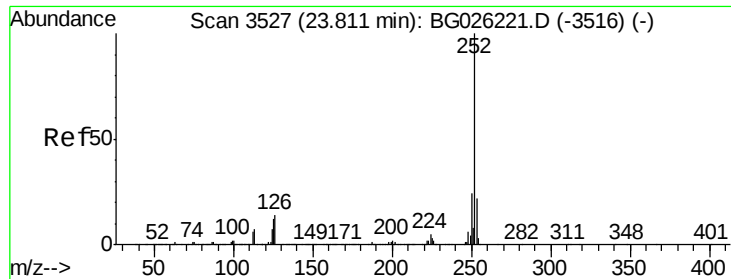
Delta R.T. -0.01 min

Lab File: BG026228.D

Acq: 14 Mar 2017 1:42

Tgt	Ion	228	Resp:	197123
	Ratio	100	Lower	Upper
228	100			
226	30.6	25.0	37.6	
229	19.0	16.6	25.0	





#24

Benzo(b)fluoranthene

Concen: 8.26 ng/ul

RT: 23.82 min Scan# 3528

Delta R.T. -0.01 min

Lab File: BG026228.D

Acq: 14 Mar 2017 1:42

Instrument :

BNA_G

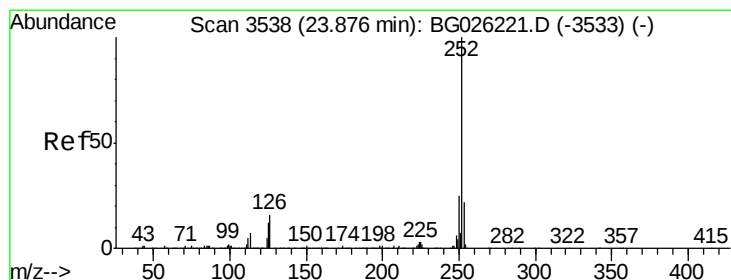
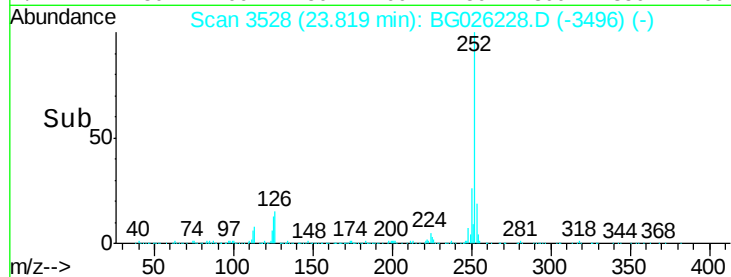
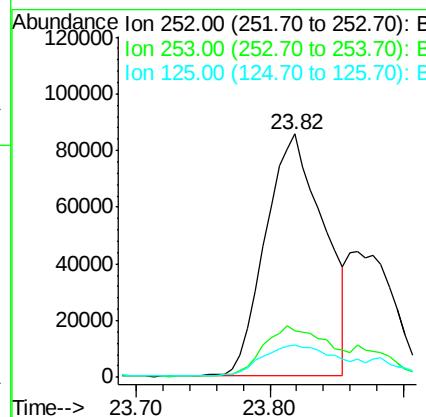
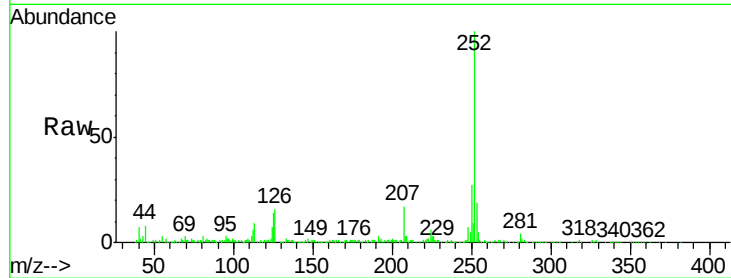
ClientSampled :

CB2Y8

Tgt Ion:	252	Resp:	259624
Ion Ratio	Lower	Upper	
252	100		
253	19.1	17.8	26.6
125	13.5	9.4	14.0

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#25

Benzo(k)fluoranthene

Concen: 3.61 ng/ul m

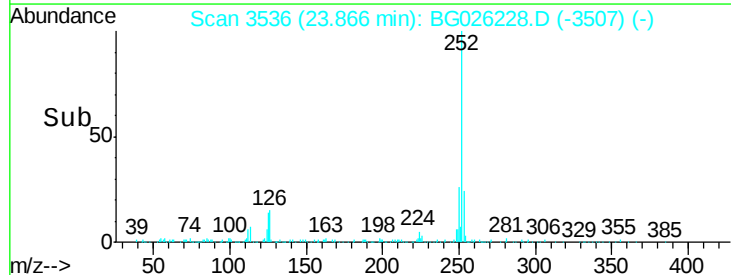
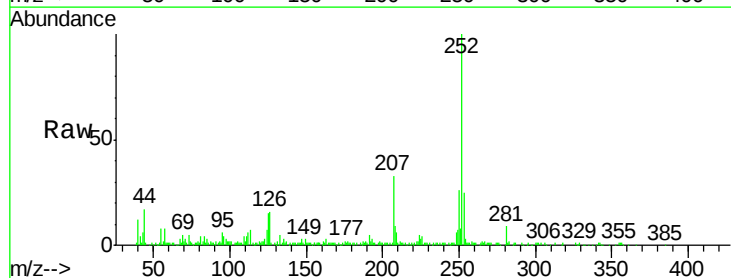
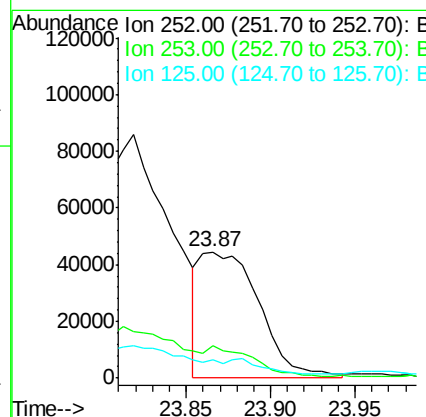
RT: 23.87 min Scan# 3536

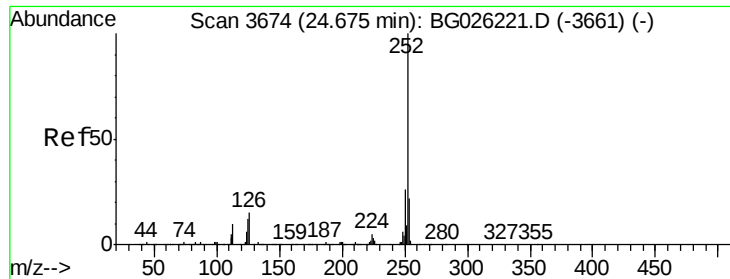
Delta R.T. -0.03 min

Lab File: BG026228.D

Acq: 14 Mar 2017 1:42

Tgt Ion:	252	Resp:	108294
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.4	26.2
125	14.6	8.8	13.2#





#27

Benzo(a)pyrene

Concen: 5.72 ng/ul

RT: 24.67 min Scan# 3673

Delta R.T. -0.03 min

Lab File: BG026228.D

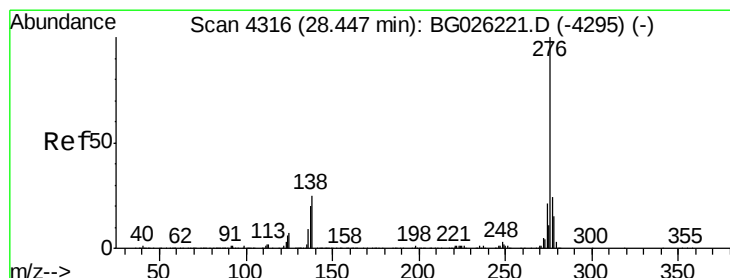
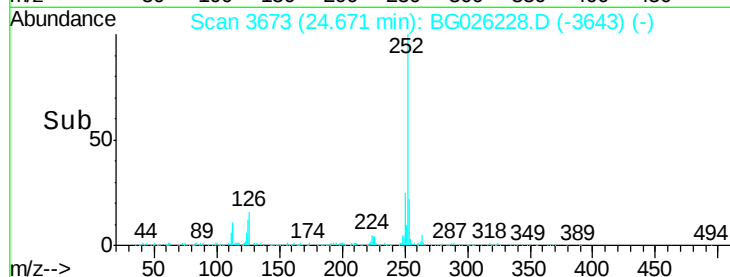
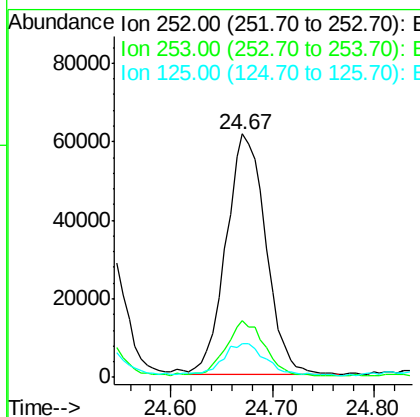
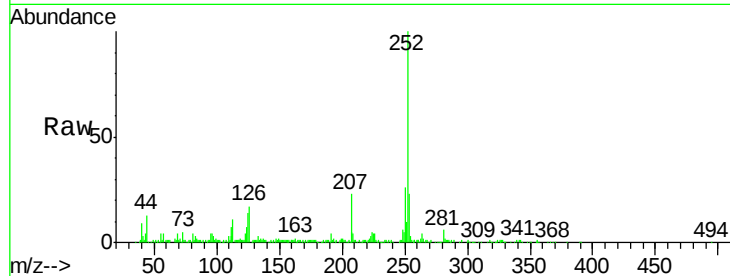
Acq: 14 Mar 2017 1:42

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.2	17.1	25.7
125	14.0	9.4	14.2

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#28

Indeno(1,2,3-cd)pyrene

Concen: 3.97 ng/ul

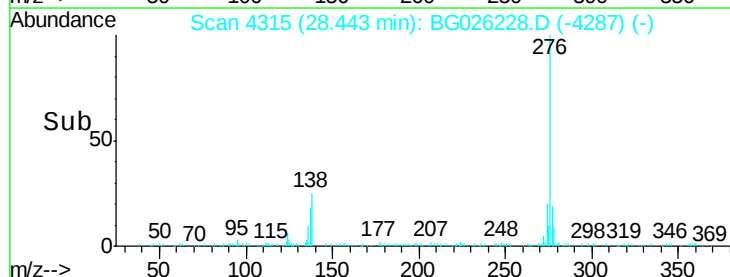
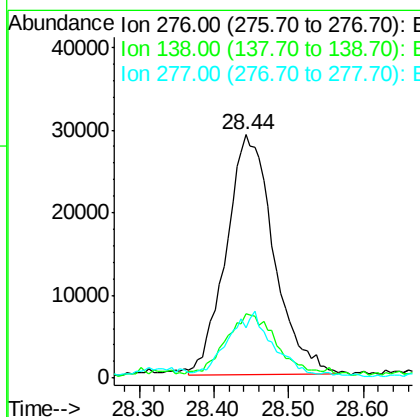
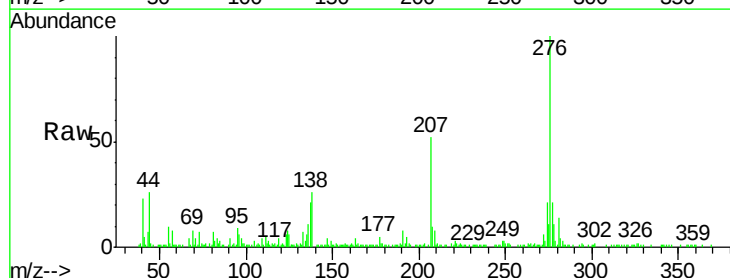
RT: 28.44 min Scan# 4315

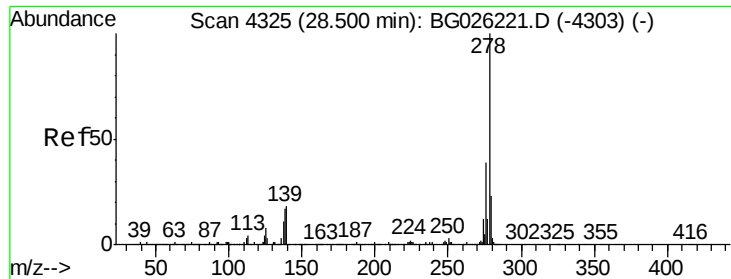
Delta R.T. -0.04 min

Lab File: BG026228.D

Acq: 14 Mar 2017 1:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	26.4	17.8	26.6
277	20.5	19.4	29.0





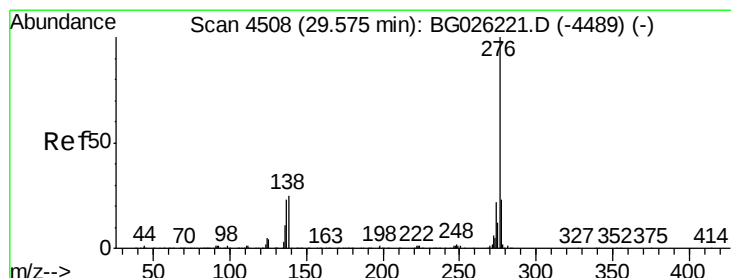
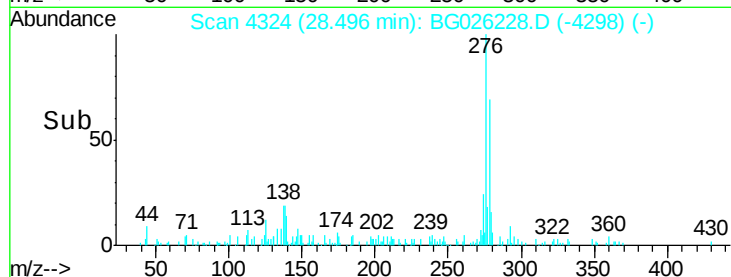
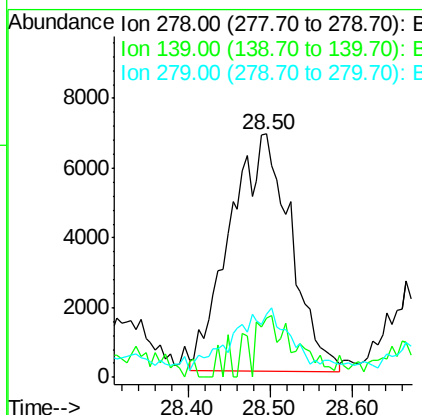
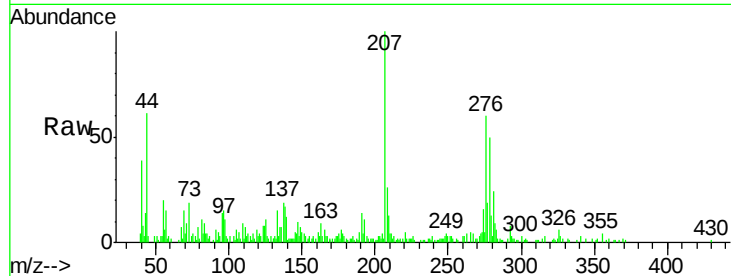
#29
Dibenzo(a,h)anthracene
Concen: 1.36 ng/ul m
RT: 28.50 min Scan# 4324
Delta R.T. -0.05 min
Lab File: BG026228.D
Acq: 14 Mar 2017 1:42

Instrument :
BNA_G
ClientSampleId :
CB2Y8

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.2	14.0	21.0#
279	25.7	20.6	31.0

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#30
Benzo(g,h,i)perylene
Concen: 4.29 ng/ul
RT: 29.59 min Scan# 4510
Delta R.T. -0.02 min
Lab File: BG026228.D
Acq: 14 Mar 2017 1:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.8	19.0	28.4
277	20.4	19.7	29.5

