

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
 Data File : BG026217.D
 Acq On : 13 Mar 2017 18:30
 Operator : SJ/MA
 Sample : I2217-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB2X8

Manual Integrations
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Quant Time: Mar 15 17:38:58 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	71852	20.00	ng/ul	-0.02
2) Naphthalene-d8	10.86	136	366341	20.00	ng/ul	-0.01
6) Acenaphthene-d10	14.66	164	231409	20.00	ng/ul	-0.01
12) Phenanthrene-d10	17.39	188	557527	20.00	ng/ul	-0.01
18) Chrysene-d12	21.63	240	586582	20.00	ng/ul	-0.02
23) Perylene-d12	24.82	264	547370	20.00	ng/ul	-0.02
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	65104	12.00	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	412455	20.90	ng/ul	-0.01
10) Fluorene-d10	15.65	176	304337	21.15	ng/ul	-0.01
15) Anthracene-d10	17.49	188	467871	18.88	ng/ul	-0.01
19) Pyrene-d10	19.77	212	508294	16.98	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.60	264	467088	19.79	ng/ul	-0.02
Target Compounds				Qvalue		
4) Naphthalene	10.91	128	65465	3.65	ng/ul	98
5) 2-Methylnaphthalene	12.50	142	24674	1.86	ng/ul	96
9) Acenaphthene	14.72	153	46036	3.23	ng/ul	96
11) Fluorene	15.70	166	76251	4.74	ng/ul	97
14) Phenanthrene	17.43	178	958646	32.45	ng/ul	98
16) Anthracene	17.52	178	207958	6.97	ng/ul	98
17) Fluoranthene	19.44	202	1063710	34.68	ng/ul	99
20) Pyrene	19.79	202	869630	23.29	ng/ul	100
21) Benzo(a)anthracene	21.62	228	471129	14.43	ng/ul	98
22) Chrysene	21.68	228	417248	13.70	ng/ul	98
24) Benzo(b)fluoranthene	23.81	252	515523	16.59	ng/ul	98
25) Benzo(k)fluoranthene	23.87	252	185477m	6.25	ng/ul	
27) Benzo(a)pyrene	24.67	252	337327	11.68	ng/ul#	96
28) Indeno(1,2,3-cd)pyrene	28.44	276	222469	6.98	ng/ul	98
29) Dibenzo(a,h)anthracene	28.48	278	59667	2.36	ng/ul	98
30) Benzo(g,h,i)perylene	29.56	276	159308m	5.84	ng/ul	

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

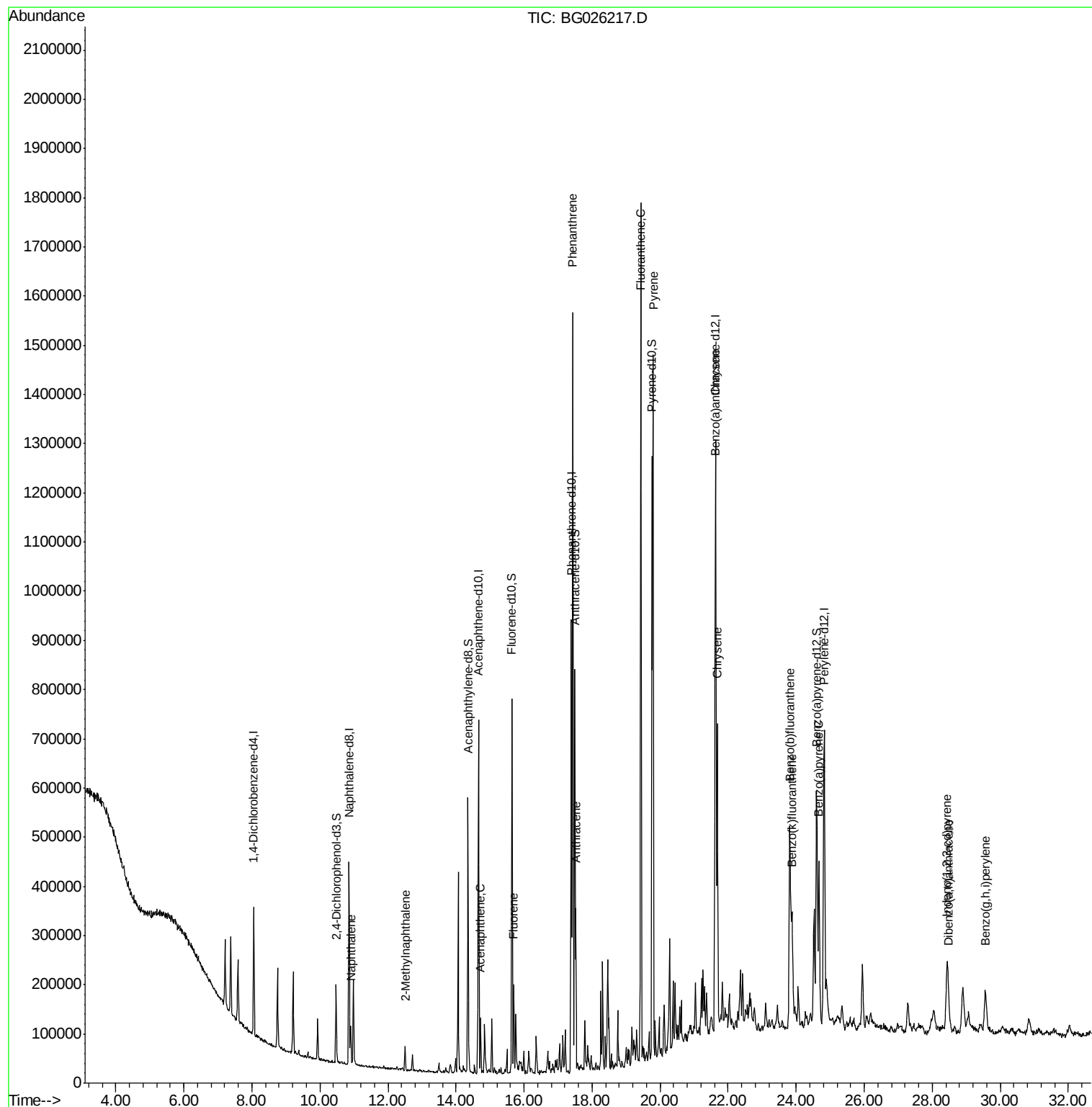
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
Data File : BG026217.D
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ALS Vial : 12 Sample Multiplier: 1

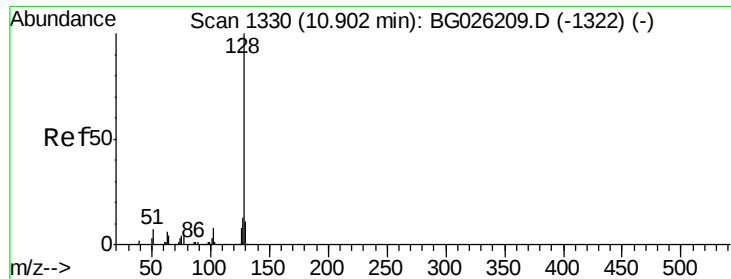
Instrument :
BNA_G
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 17:21:10 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 3.65 ng/ul

RT: 10.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BG026217.D

Acq: 13 Mar 2017 18:30

Instrument :

BNA_G

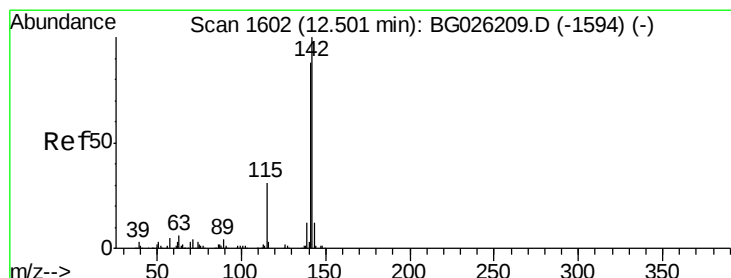
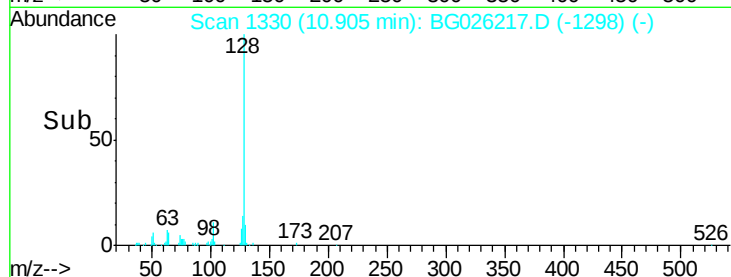
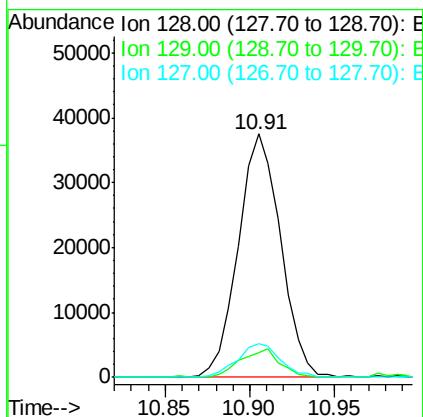
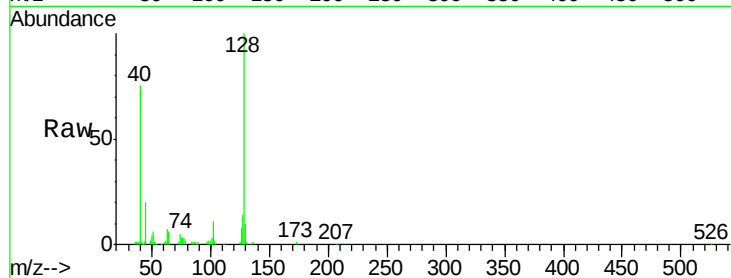
ClientSampleId :

CB2X8

Tgt Ion:	128	Resp:	65465
Ion Ratio	Lower	Upper	
128	100		
129	10.4	9.1	13.7
127	14.0	10.6	15.8

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#5

2-Methylnaphthalene

Concen: 1.86 ng/ul

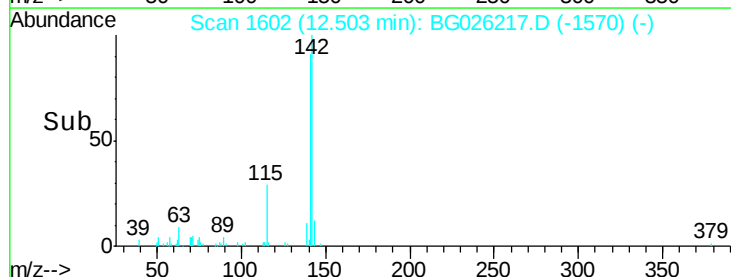
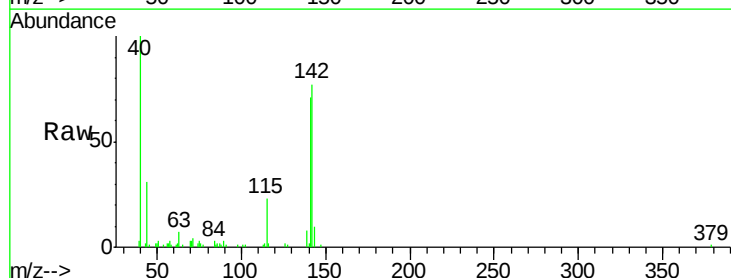
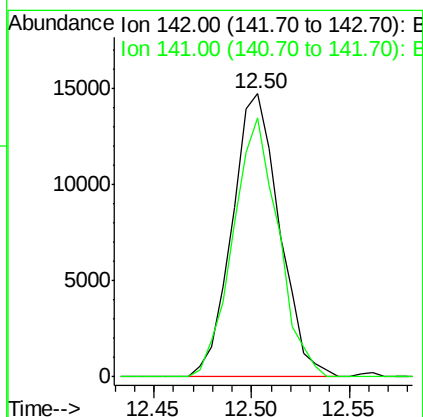
RT: 12.50 min Scan# 1602

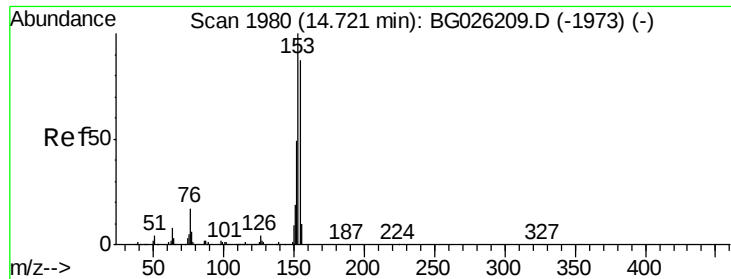
Delta R.T. -0.01 min

Lab File: BG026217.D

Acq: 13 Mar 2017 18:30

Tgt Ion:	142	Resp:	24674
Ion Ratio	Lower	Upper	
142	100		
141	91.3	69.8	104.8





#9

Acenaphthene

Concen: 3.23 ng/ul

RT: 14.72 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BG026217.D

Acq: 13 Mar 2017 18:30

Instrument :

BNA_G

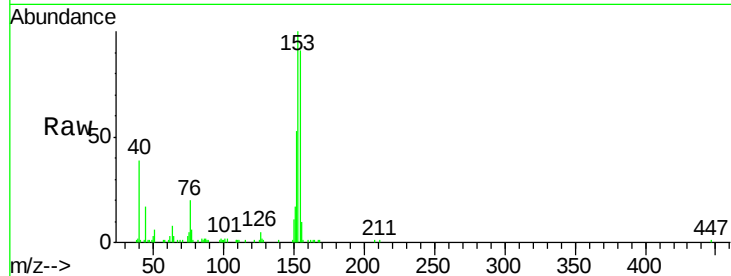
ClientSampleId :

CB2X8

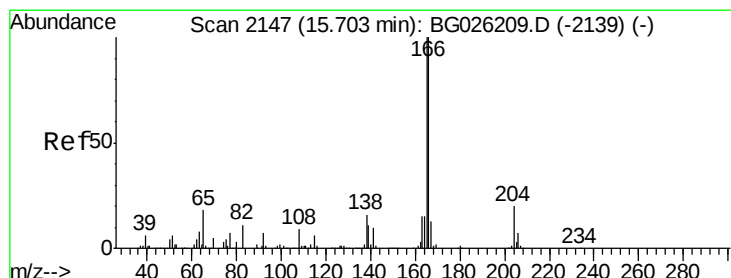
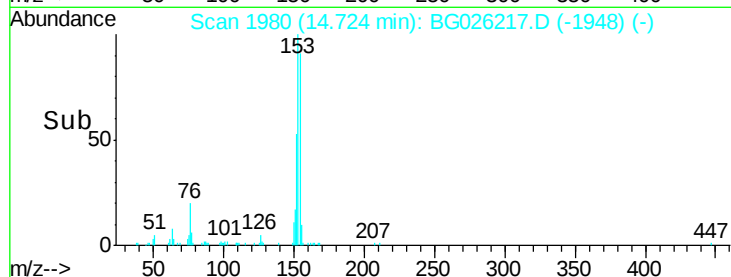
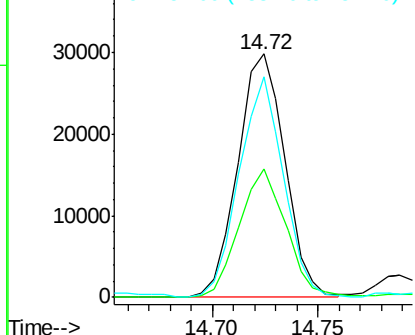
Tgt Ion:	153	Resp:	46036
Ion Ratio	Lower	Upper	
153	100		
152	53.0	37.9	56.9
154	90.8	71.6	107.4

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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



#11

Fluorene

Concen: 4.74 ng/ul

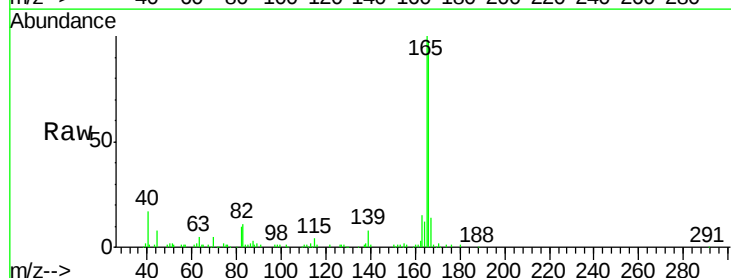
RT: 15.70 min Scan# 2146

Delta R.T. -0.01 min

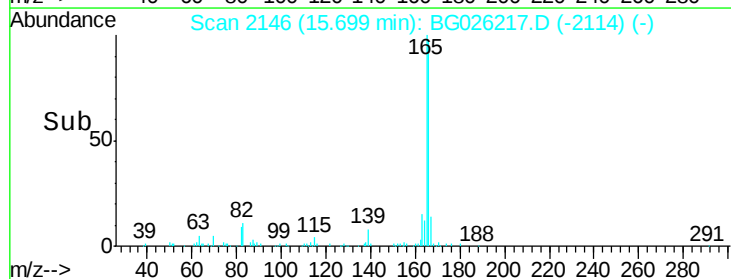
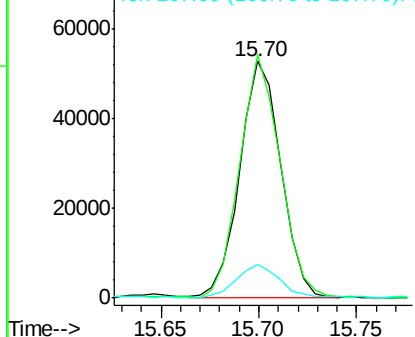
Lab File: BG026217.D

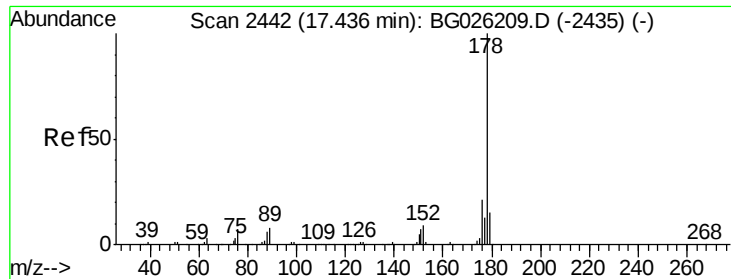
Acq: 13 Mar 2017 18:30

Tgt Ion:	166	Resp:	76251
Ion Ratio	Lower	Upper	
166	100		
165	102.8	80.0	120.0
167	14.3	11.6	17.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





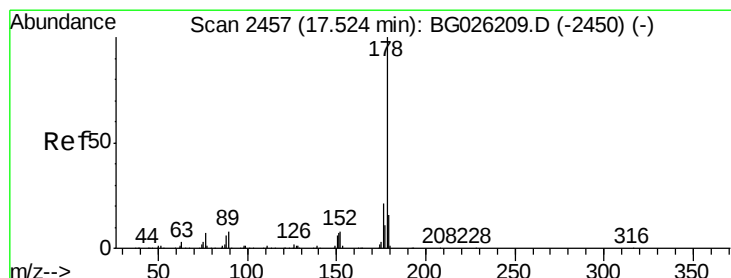
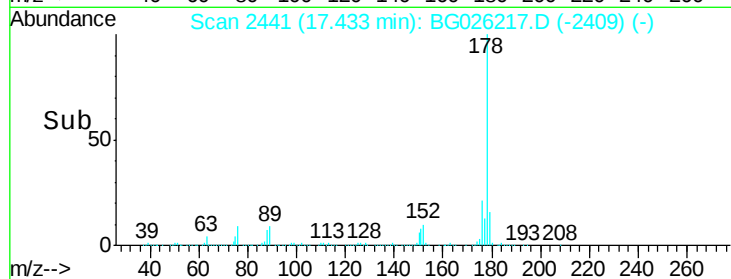
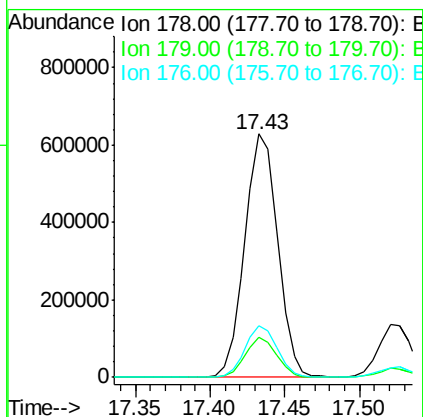
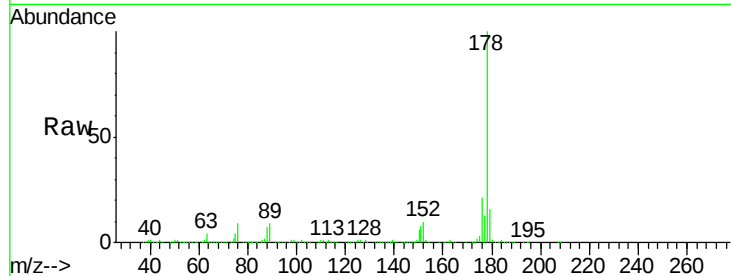
#14
Phenanthrene
Concen: 32.45 ng/ul
RT: 17.43 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BG026217.D
Acq: 13 Mar 2017 18:30

Instrument :
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Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.2	18.4
176	21.0	16.4	24.6

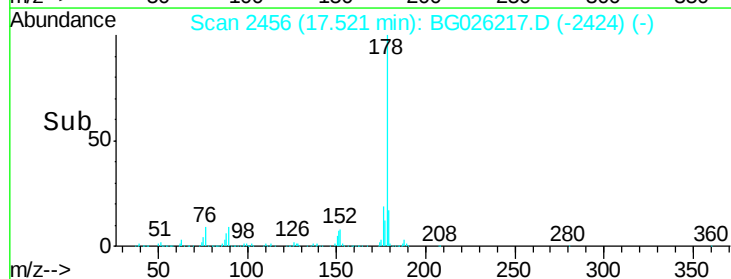
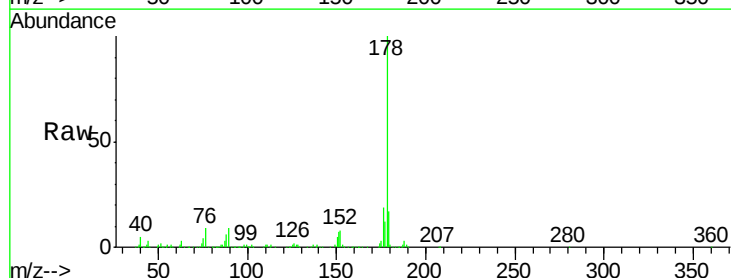
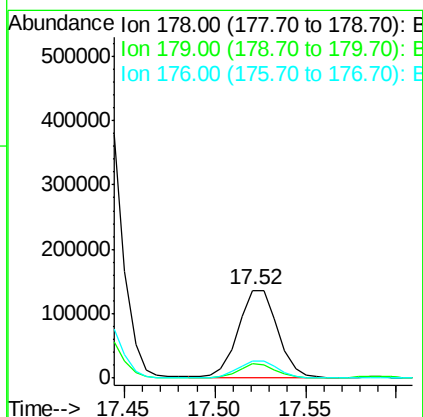
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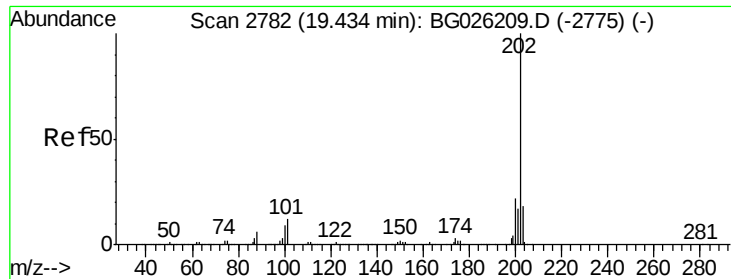
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#16
Anthracene
Concen: 6.97 ng/ul
RT: 17.52 min Scan# 2456
Delta R.T. -0.01 min
Lab File: BG026217.D
Acq: 13 Mar 2017 18:30

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.8	12.7	19.1
176	18.9	15.8	23.8





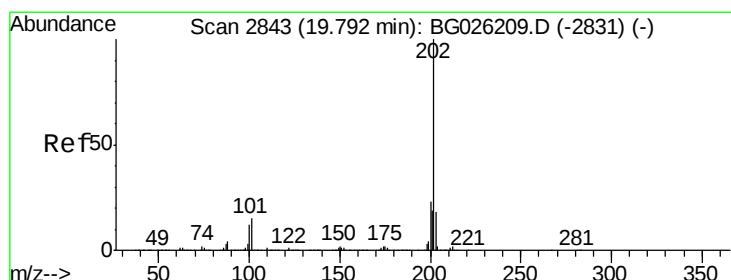
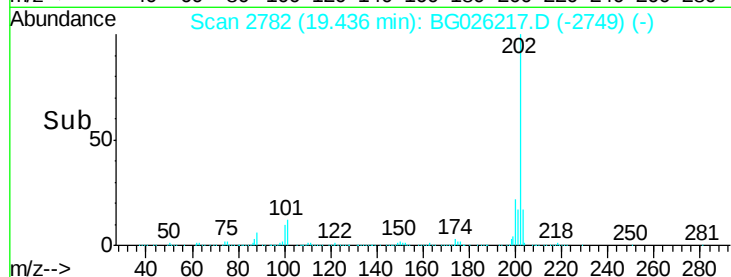
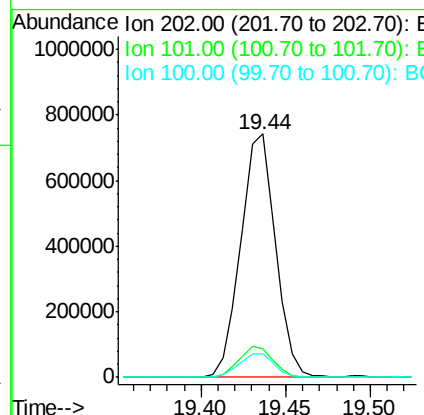
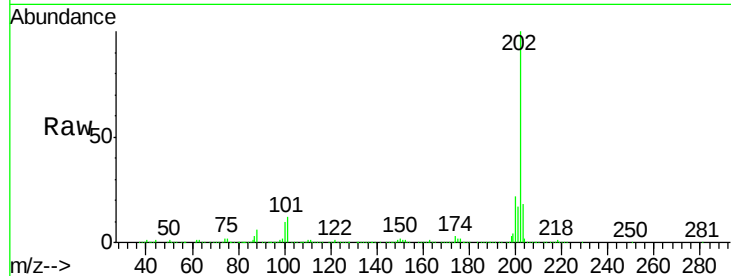
#17
Fluoranthene
 Concen: 34.68 ng/ul
 RT: 19.44 min Scan# 2782
 Delta R.T. -0.01 min
 Lab File: BG026217.D
 Acq: 13 Mar 2017 18:30

Instrument :
 BNA_G
 ClientSampleId :
 CB2X8

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.8	14.8
100	9.8	7.5	11.3

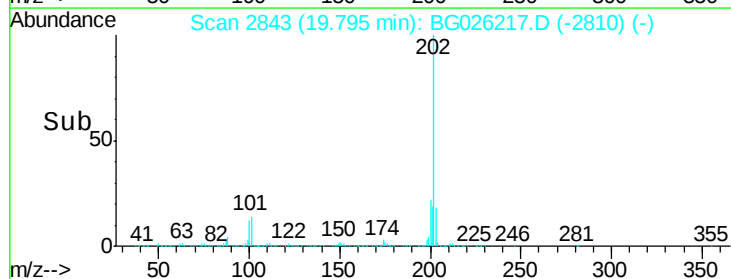
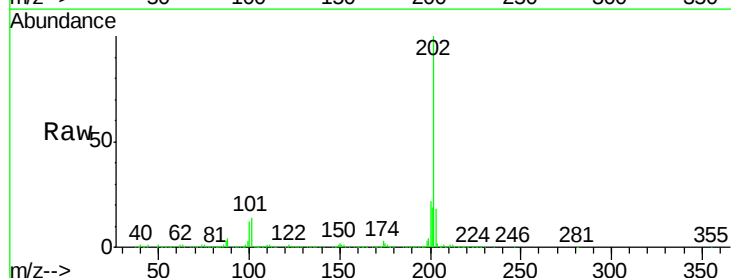
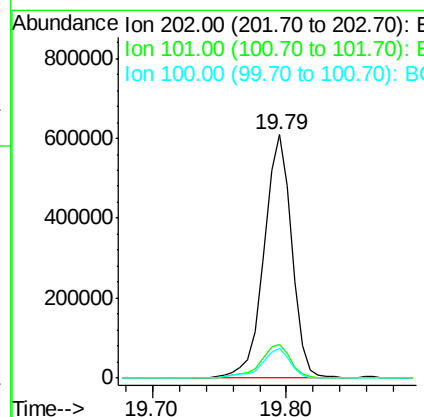
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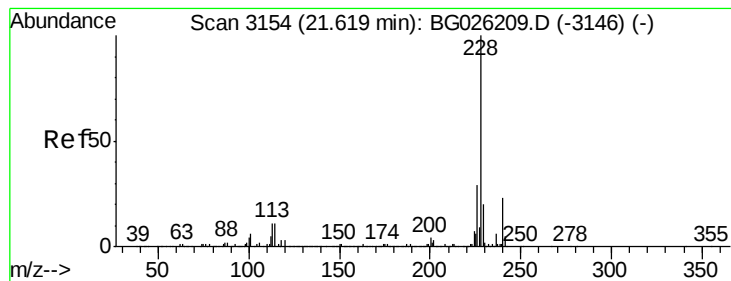
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#20
Pyrene
 Concen: 23.29 ng/ul
 RT: 19.79 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BG026217.D
 Acq: 13 Mar 2017 18:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	11.2	16.8
100	12.2	9.8	14.6





#21

Benzo(a)anthracene

Concen: 14.43 ng/ul

RT: 21.62 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG026217.D

Acq: 13 Mar 2017 18:30

Instrument :

BNA_G

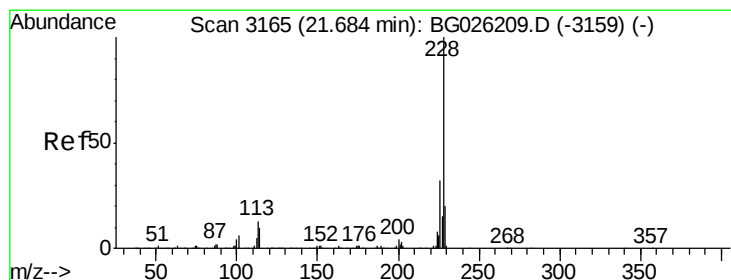
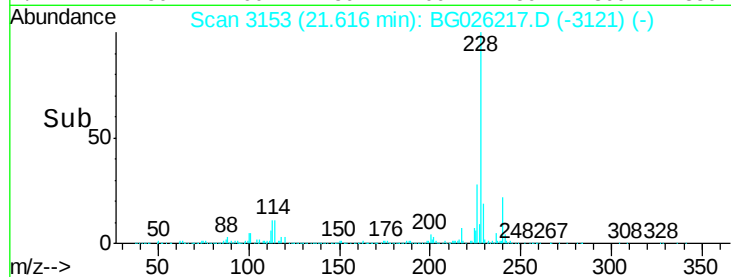
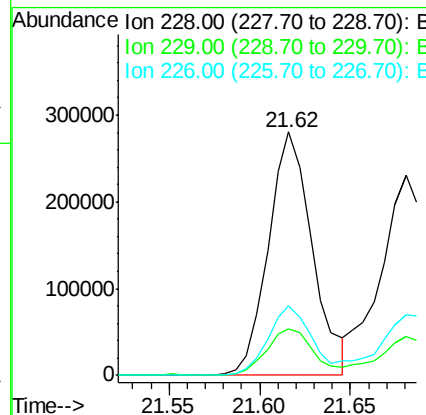
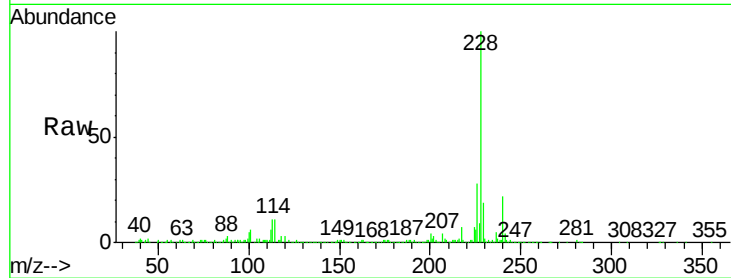
ClientSampleId :

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Tgt	Ion:228	Resp:	471129
Ion	Ratio	Lower	Upper
228	100		
229	19.1	15.9	23.9
226	28.4	22.1	33.1

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#22

Chrysene

Concen: 13.70 ng/ul

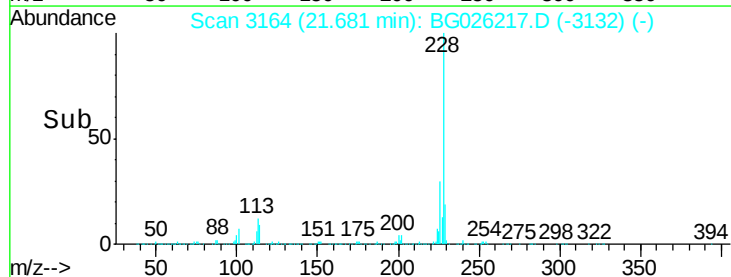
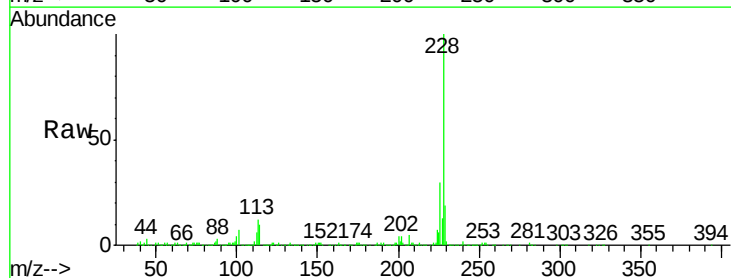
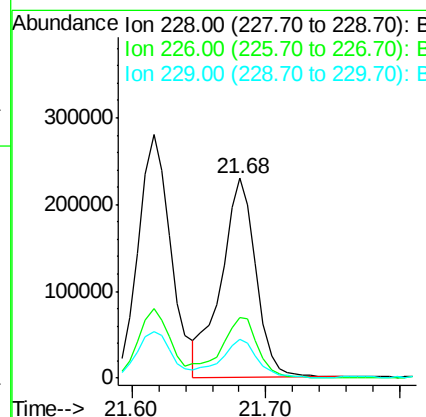
RT: 21.68 min Scan# 3164

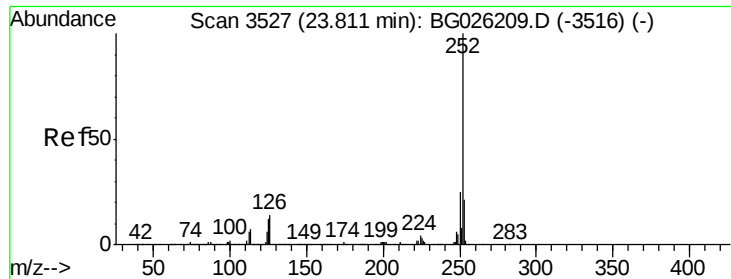
Delta R.T. -0.01 min

Lab File: BG026217.D

Acq: 13 Mar 2017 18:30

Tgt	Ion:228	Resp:	417248
Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	19.4	16.6	25.0





#24

Benzo(b)fluoranthene

Concen: 16.59 ng/ul

RT: 23.81 min Scan# 3526

Delta R.T. -0.02 min

Lab File: BG026217.D

Acq: 13 Mar 2017 18:30

Instrument :

BNA_G

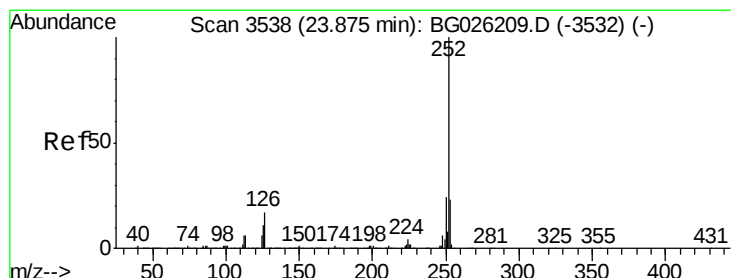
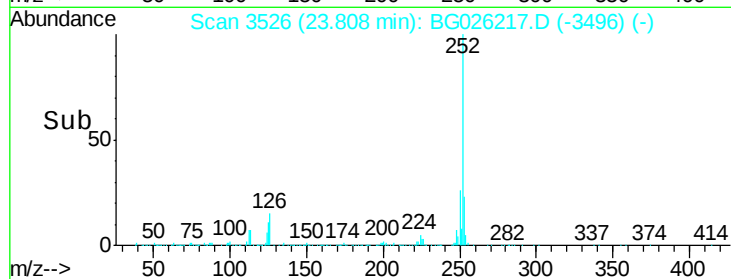
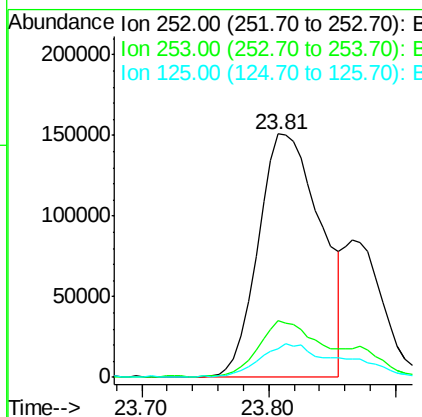
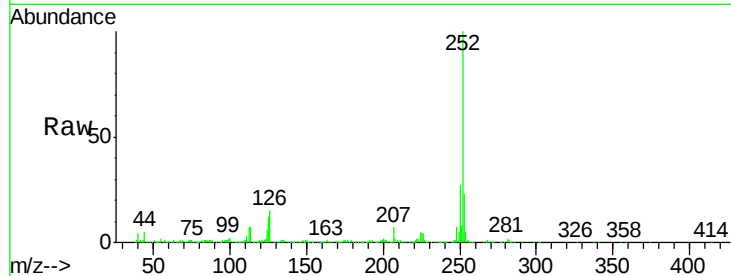
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Tgt Ion:	252	Resp:	515523
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.8	26.6
125	11.8	9.4	14.0

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#25

Benzo(k)fluoranthene

Concen: 6.25 ng/ul m

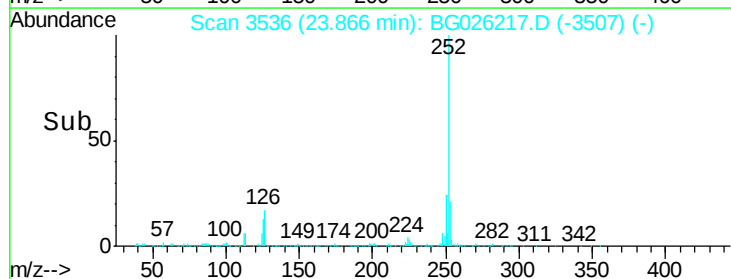
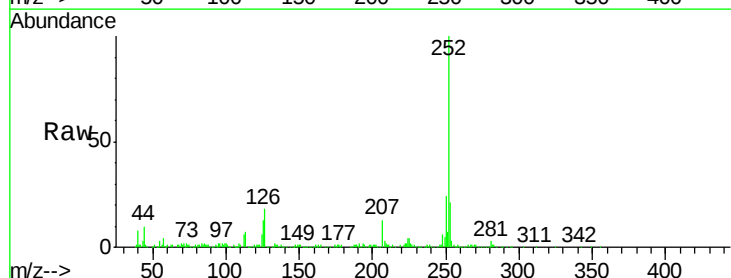
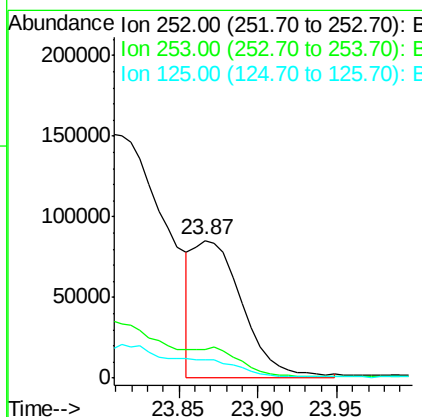
RT: 23.87 min Scan# 3536

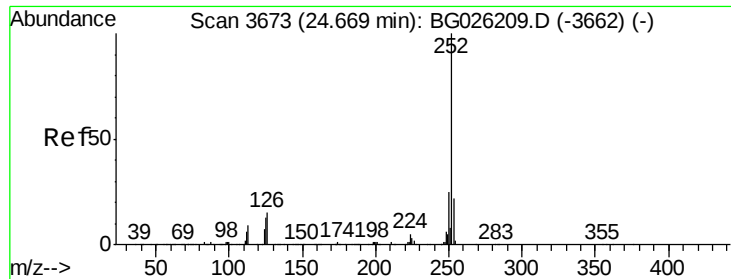
Delta R.T. -0.03 min

Lab File: BG026217.D

Acq: 13 Mar 2017 18:30

Tgt Ion:	252	Resp:	185477
Ion Ratio	Lower	Upper	
252	100		
253	21.0	17.4	26.2
125	13.5	8.8	13.2#





#27

Benzo(a)pyrene

Concen: 11.68 ng/ul

RT: 24.67 min Scan# 3673

Delta R.T. -0.02 min

Lab File: BG026217.D

Acq: 13 Mar 2017 18:30

Instrument :

BNA_G

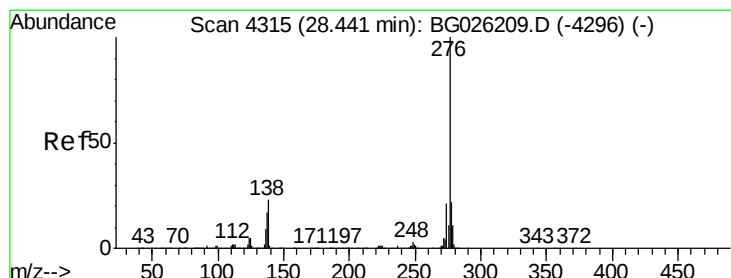
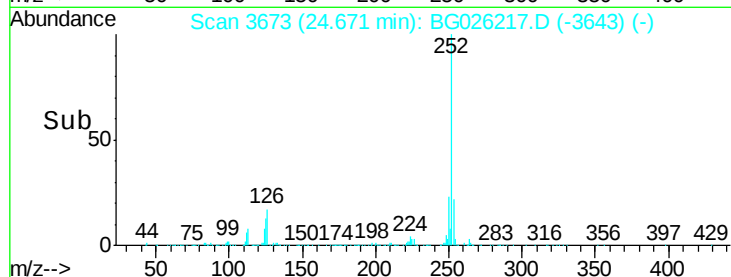
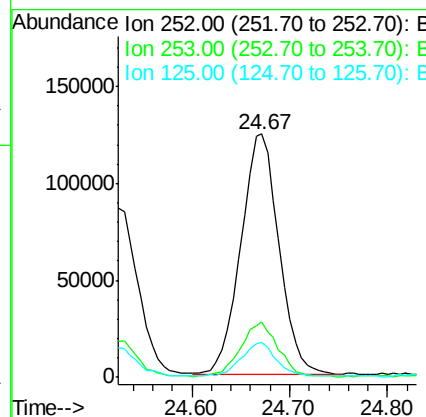
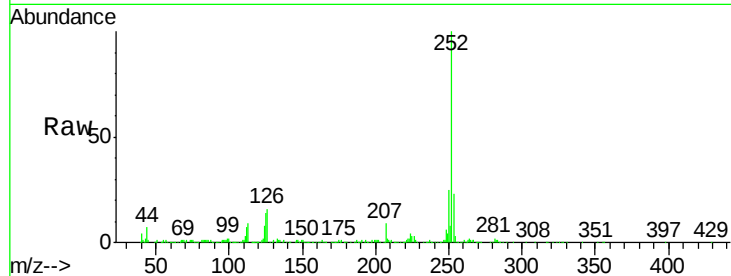
ClientSampleId :

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Tgt Ion:	252	Resp:	337327
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.1	25.7
125	14.2	9.4	14.2#

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#28

Indeno(1,2,3-cd)pyrene

Concen: 6.98 ng/ul

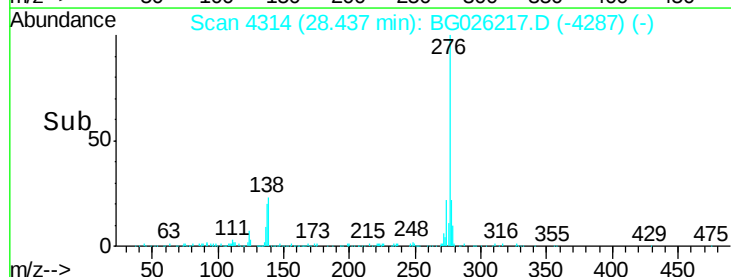
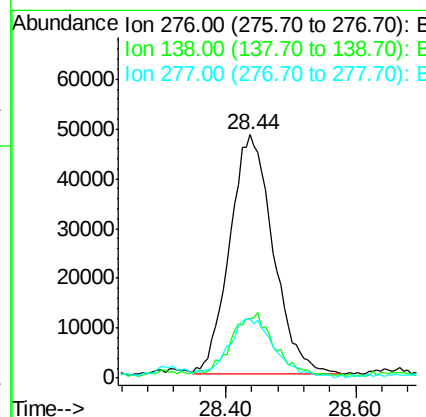
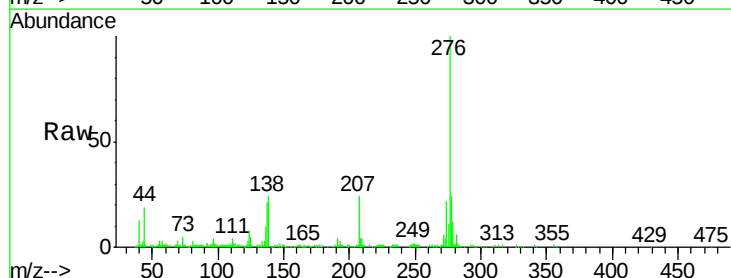
RT: 28.44 min Scan# 4314

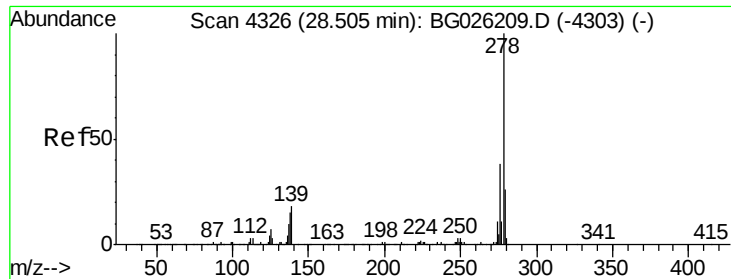
Delta R.T. -0.04 min

Lab File: BG026217.D

Acq: 13 Mar 2017 18:30

Tgt Ion:	276	Resp:	222469
Ion Ratio	Lower	Upper	
276	100		
138	24.3	17.8	26.6
277	24.1	19.4	29.0





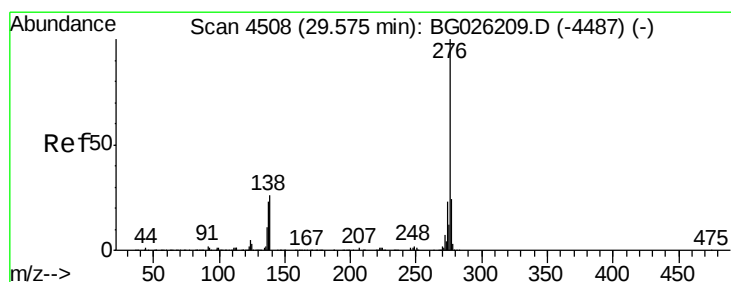
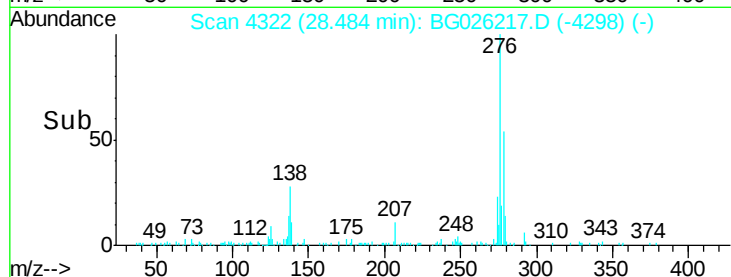
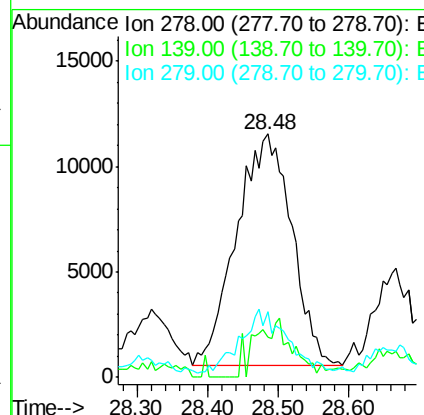
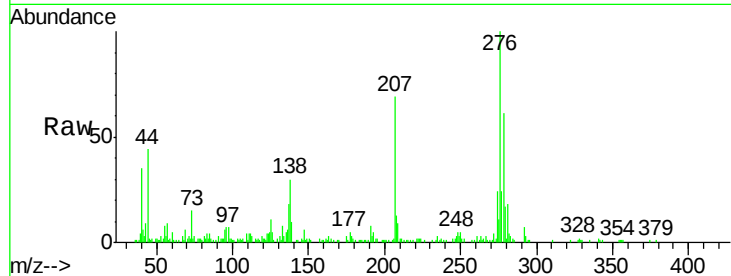
#29
Dibenzo(a,h)anthracene
Concen: 2.36 ng/ul
RT: 28.48 min Scan# 4322
Delta R.T. -0.06 min
Lab File: BG026217.D
Acq: 13 Mar 2017 18:30

Instrument :
BNA_G
ClientSampleId :
CB2X8

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.2	14.0	21.0
279	26.9	20.6	31.0

Manual Integrations
APPROVED

mohammad
3/16/2017 10:52:17 AM



#30
Benzo(g,h,i)perylene
Concen: 5.84 ng/ul m
RT: 29.56 min Scan# 4505
Delta R.T. -0.05 min
Lab File: BG026217.D
Acq: 13 Mar 2017 18:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.4	19.0	28.4
277	20.5	19.7	29.5

