

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
 Data File : BG026213.D
 Acq On : 13 Mar 2017 15:14
 Operator : SJ/MA
 Sample : I2217-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB2W6

Manual Integrations
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Quant Time: Mar 21 17:21:15 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	8.05	152	72960	20.00	ng/ul	-0.02
2) Naphthalene-d8	10.86	136	369721	20.00	ng/ul	-0.02
6) Acenaphthene-d10	14.66	164	234390	20.00	ng/ul	-0.02
12) Phenanthrene-d10	17.39	188	583808	20.00	ng/ul	-0.02
18) Chrysene-d12	21.64	240	603630	20.00	ng/ul	-0.02
23) Perylene-d12	24.82	264	574488	20.00	ng/ul	-0.03
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.47	165	291	0.05	ng/uL	-0.02
7) Acenaphthylene-d8	14.35	160	309498	15.49	ng/ul	-0.02
10) Fluorene-d10	15.64	176	247974	17.01	ng/ul	-0.02
15) Anthracene-d10	17.49	188	368890	14.22	ng/ul	-0.02
19) Pyrene-d10	19.76	212	416128	13.51	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.60	264	342367	13.82	ng/ul	-0.03
Target Compounds				Qvalue		
9) Acenaphthene	14.72	153	29044	2.01	ng/ul	92
11) Fluorene	15.70	166	27149	1.67	ng/ul	96
14) Phenanthrene	17.44	178	469190	15.17	ng/ul	100
16) Anthracene	17.52	178	88939	2.85	ng/ul	100
17) Fluoranthene	19.43	202	710830	22.13	ng/ul	99
20) Pyrene	19.79	202	605378	15.75	ng/ul	100
21) Benzo(a)anthracene	21.61	228	330923	9.85	ng/ul	99
22) Chrysene	21.68	228	315721	10.07	ng/ul	99
24) Benzo(b)fluoranthene	23.81	252	404617	12.41	ng/ul	99
25) Benzo(k)fluoranthene	23.87	252	154353m	4.96	ng/ul	
27) Benzo(a)pyrene	24.67	252	258273	8.52	ng/ul#	96
28) Indeno(1,2,3-cd)pyrene	28.43	276	176409	5.27	ng/ul	96
29) Dibenzo(a,h)anthracene	28.47	278	49236m	1.85	ng/ul	
30) Benzo(g,h,i)perylene	29.57	276	161067	5.62	ng/ul	98

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

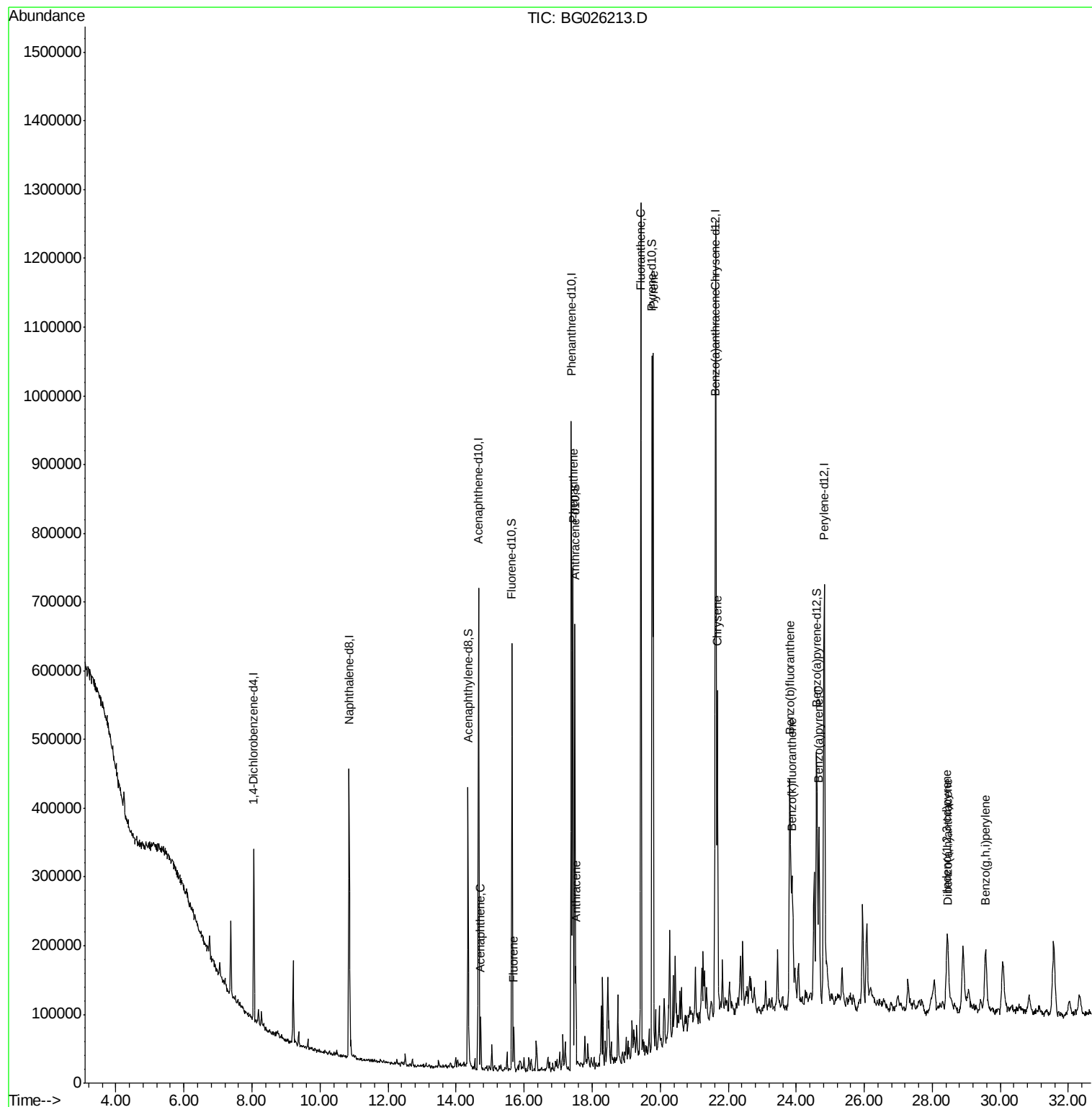
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
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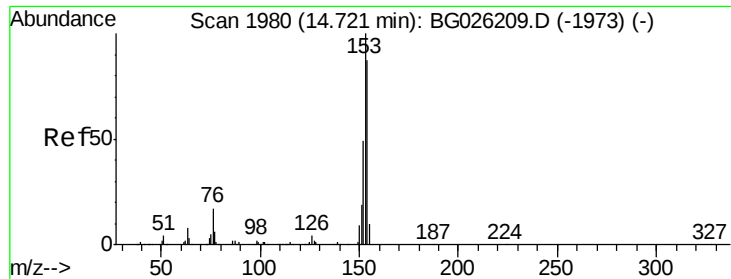
Instrument :
BNA_G
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Quant Time: Mar 21 17:21:15 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 17:21:10 2017
Response via : Initial Calibration





#9

Acenaphthene

Concen: 2.01 ng/ul

RT: 14.72 min Scan# 1980

Delta R.T. -0.02 min

Lab File: BG026213.D

Acq: 13 Mar 2017 15:14

Instrument :

BNA_G

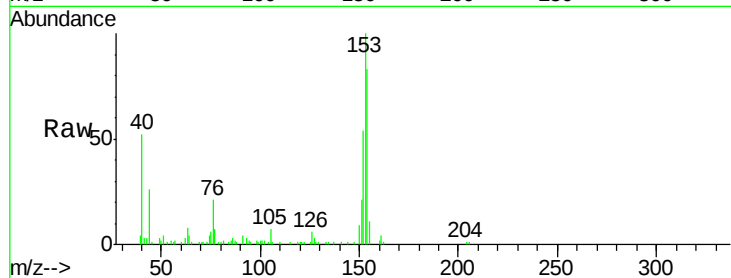
ClientSampleId :

CB2W6

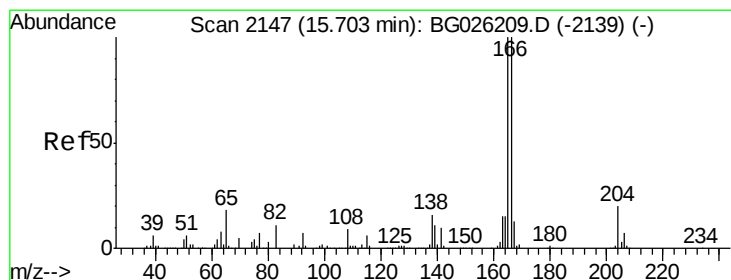
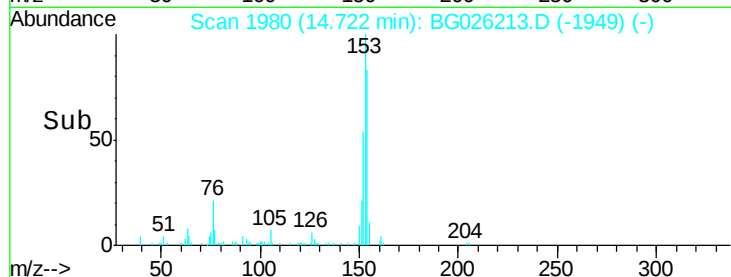
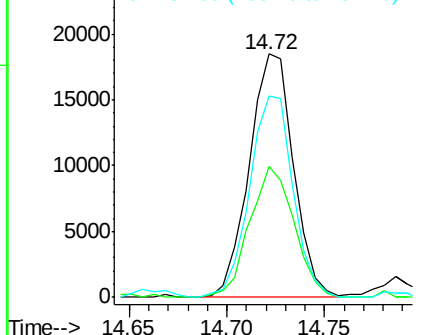
Tgt Ion:	153	Resp:	29044
Ion Ratio	Lower	Upper	
153	100		
152	53.9	37.9	56.9
154	82.7	71.6	107.4

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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: 1.67 ng/ul

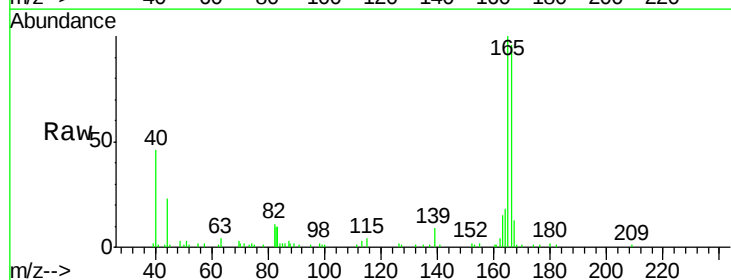
RT: 15.70 min Scan# 2147

Delta R.T. -0.01 min

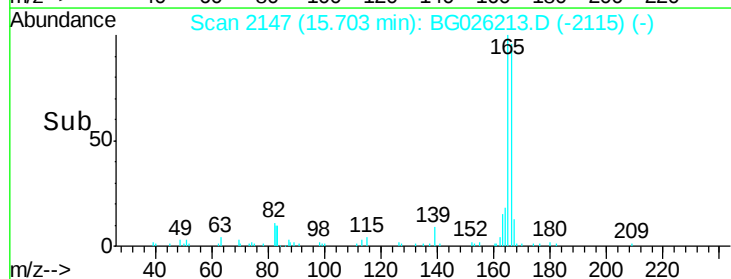
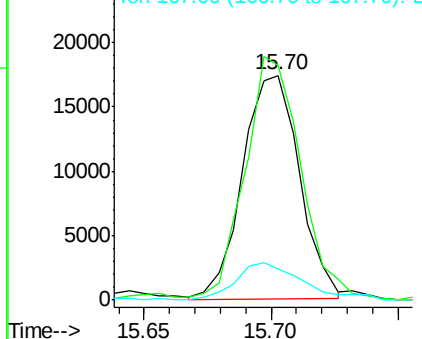
Lab File: BG026213.D

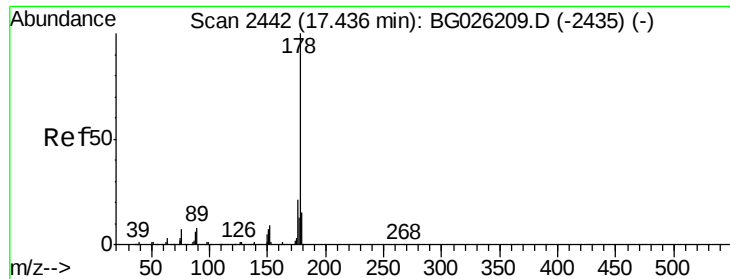
Acq: 13 Mar 2017 15:14

Tgt Ion:	166	Resp:	27149
Ion Ratio	Lower	Upper	
166	100		
165	104.4	80.0	120.0
167	13.6	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





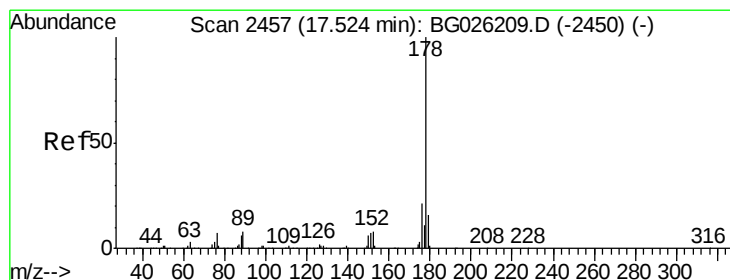
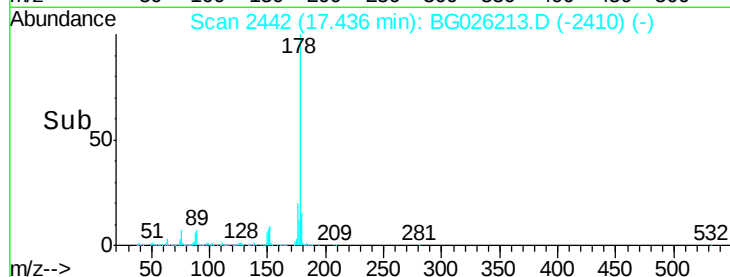
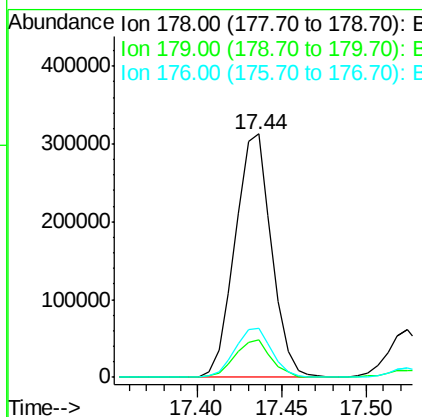
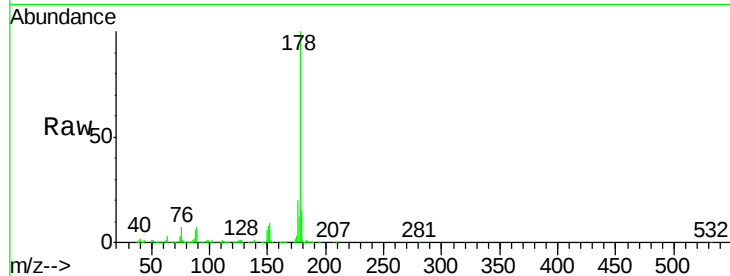
#14
Phenanthrene
Concen: 15.17 ng/ul
RT: 17.44 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BG026213.D
Acq: 13 Mar 2017 15:14

Instrument :
BNA_G
ClientSampleId :
CB2W6

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.4
176	20.3	16.4	24.6

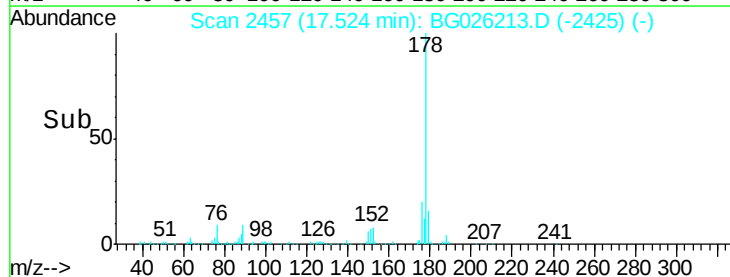
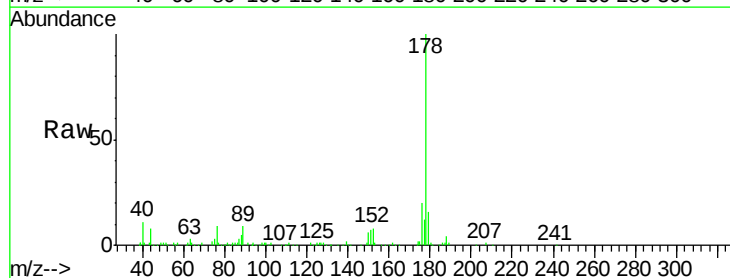
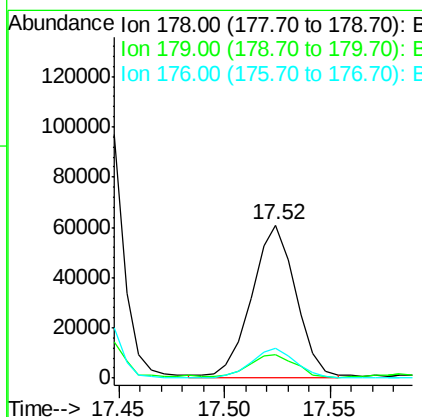
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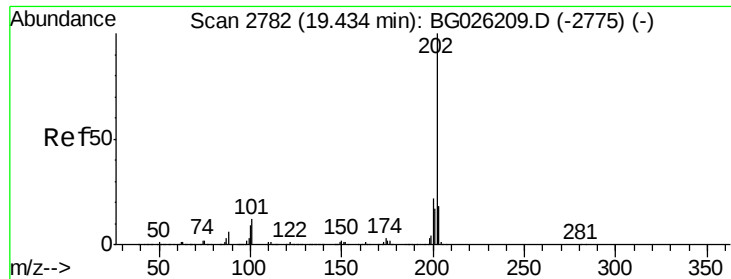
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#16
Anthracene
Concen: 2.85 ng/ul
RT: 17.52 min Scan# 2457
Delta R.T. -0.01 min
Lab File: BG026213.D
Acq: 13 Mar 2017 15:14

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.7	19.1
176	19.6	15.8	23.8





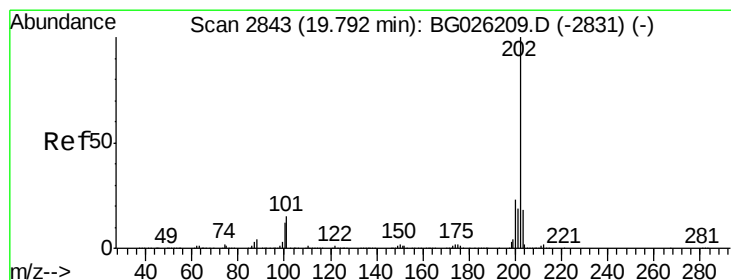
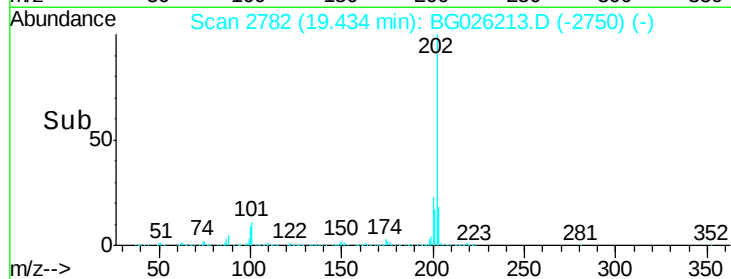
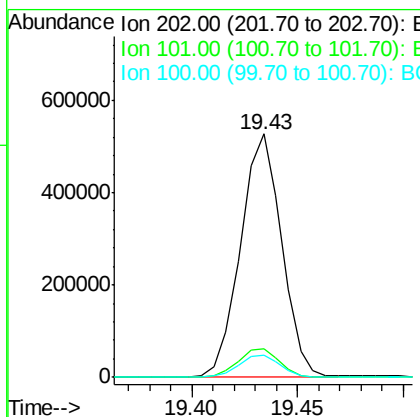
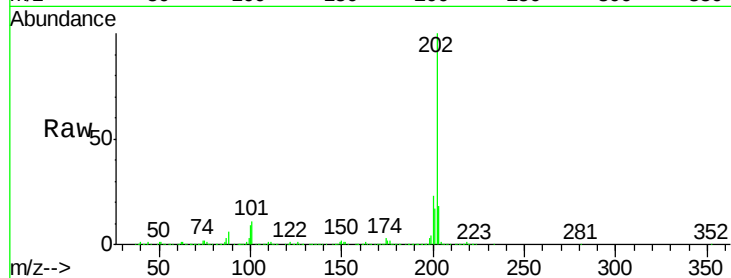
#17
Fluoranthene
 Concen: 22.13 ng/ul
 RT: 19.43 min Scan# 2782
 Delta R.T. -0.01 min
 Lab File: BG026213.D
 Acq: 13 Mar 2017 15:14

Instrument :
 BNA_G
 ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.5	9.8	14.8
100	9.3	7.5	11.3

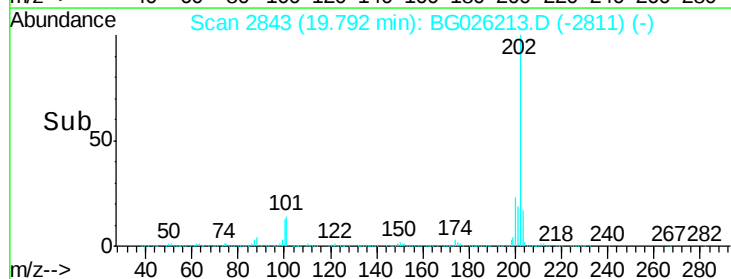
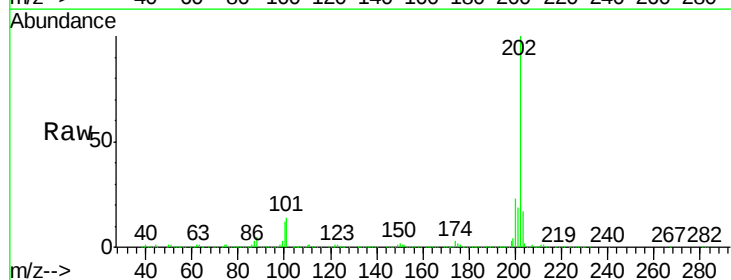
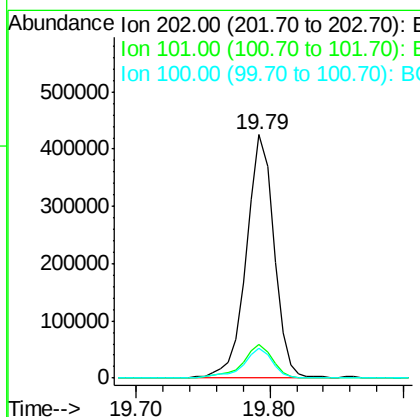
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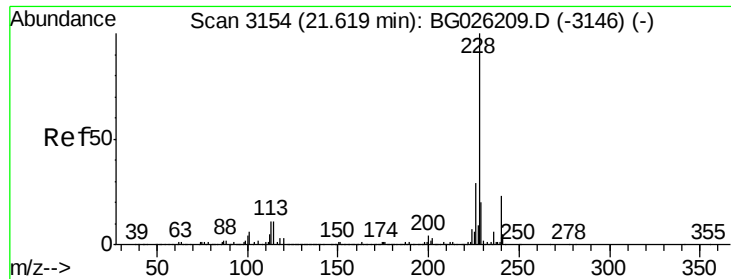
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#20
Pyrene
 Concen: 15.75 ng/ul
 RT: 19.79 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BG026213.D
 Acq: 13 Mar 2017 15:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.1	11.2	16.8
100	12.5	9.8	14.6





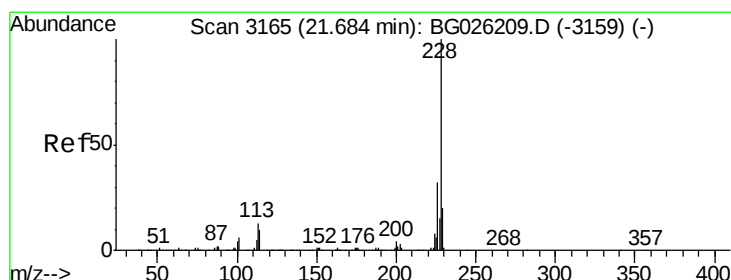
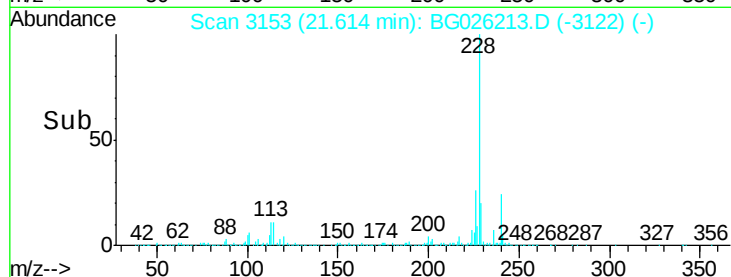
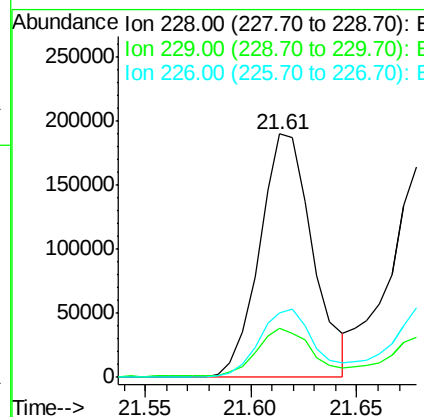
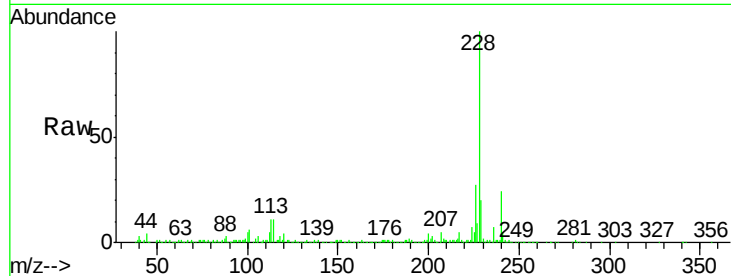
#21
Benzo(a)anthracene
Concen: 9.85 ng/ul
RT: 21.61 min Scan# 3153
Delta R.T. -0.02 min
Lab File: BG026213.D
Acq: 13 Mar 2017 15:14

Instrument :
BNA_G
ClientSampleId :
CB2W6

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.9	23.9
226	26.6	22.1	33.1

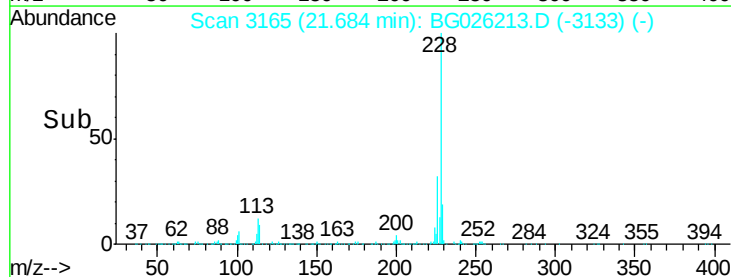
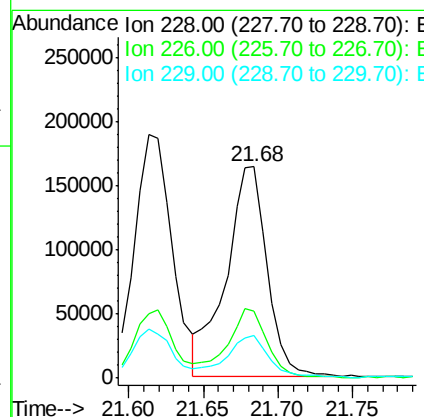
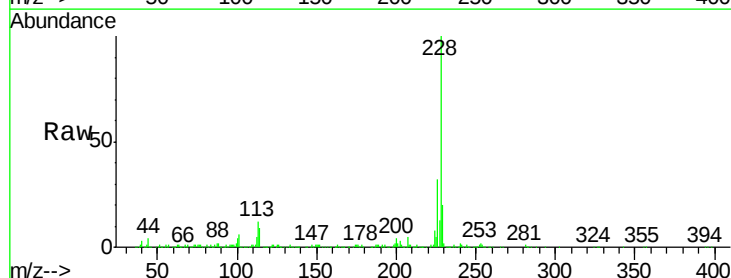
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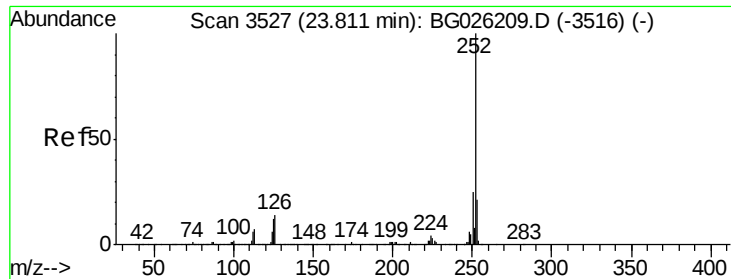
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#22
Chrysene
Concen: 10.07 ng/ul
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG026213.D
Acq: 13 Mar 2017 15:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	19.9	16.6	25.0





#24

Benzo(b)fluoranthene

Concen: 12.41 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. -0.02 min

Lab File: BG026213.D

Acq: 13 Mar 2017 15:14

Instrument :

BNA_G

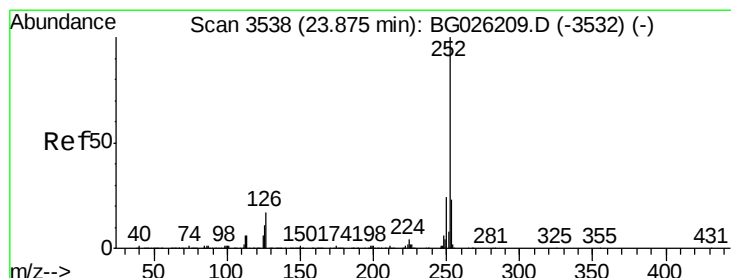
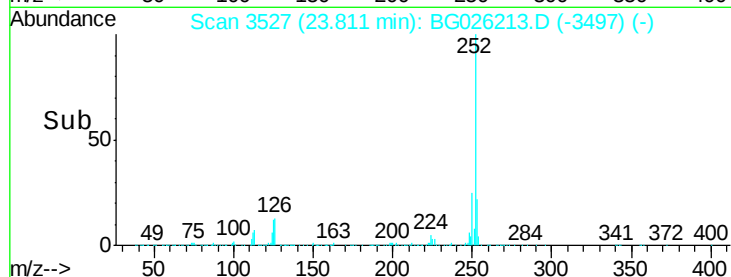
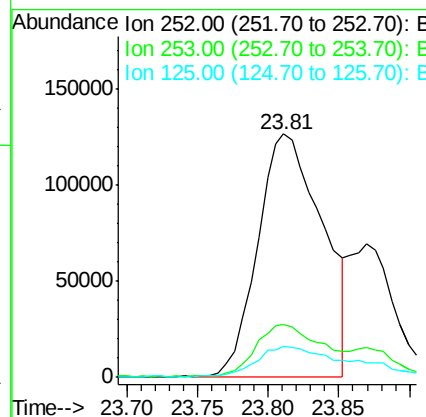
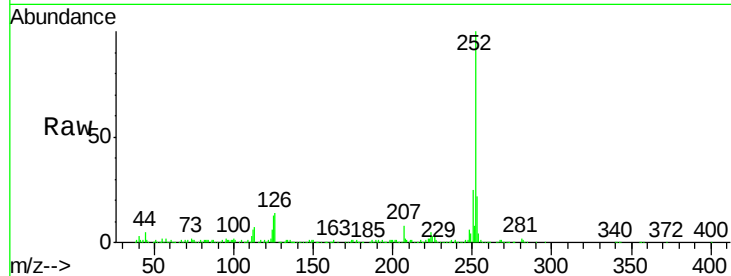
ClientSampleId :

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Tgt Ion:	252	Resp:	404617
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.8	26.6
125	12.5	9.4	14.0

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#25

Benzo(k)fluoranthene

Concen: 4.96 ng/ul m

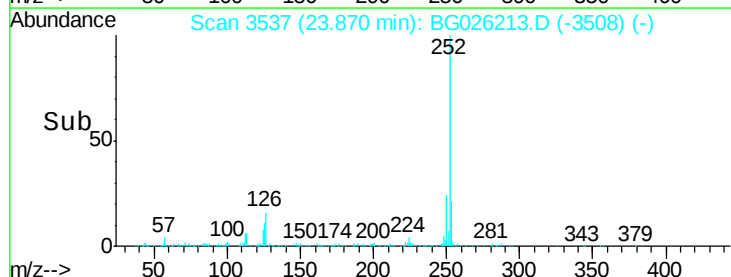
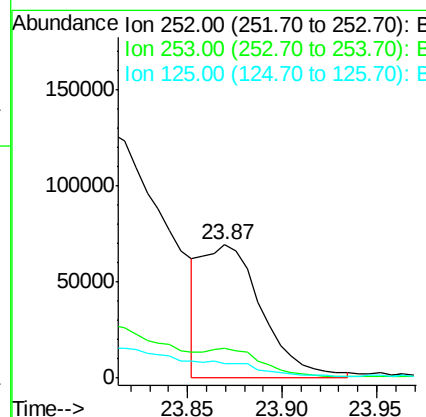
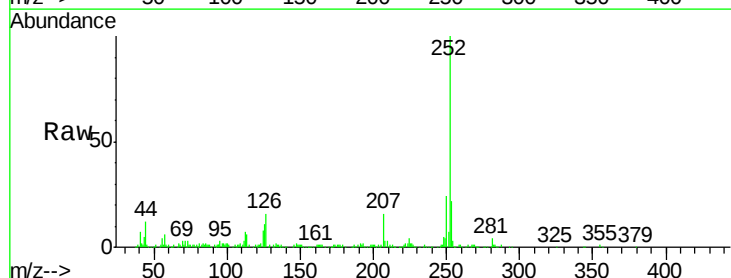
RT: 23.87 min Scan# 3537

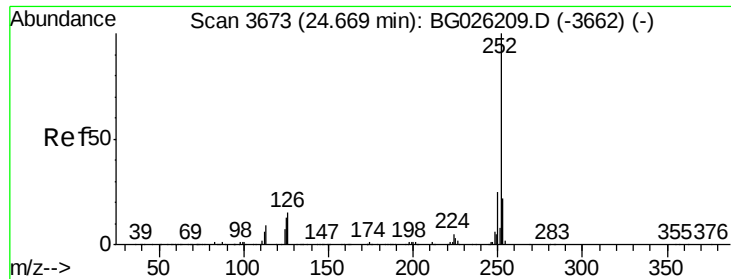
Delta R.T. -0.03 min

Lab File: BG026213.D

Acq: 13 Mar 2017 15:14

Tgt Ion:	252	Resp:	154353
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.4	26.2
125	11.3	8.8	13.2





#27

Benzo(a)pyrene

Concen: 8.52 ng/ul

RT: 24.67 min Scan# 3673

Delta R.T. -0.03 min

Lab File: BG026213.D

Acq: 13 Mar 2017 15:14

Instrument :

BNA_G

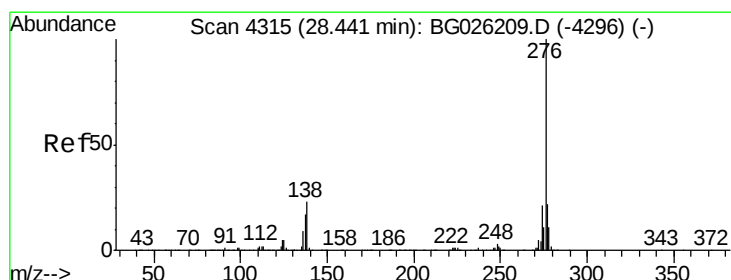
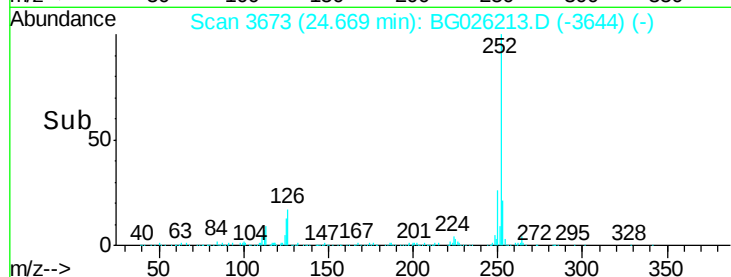
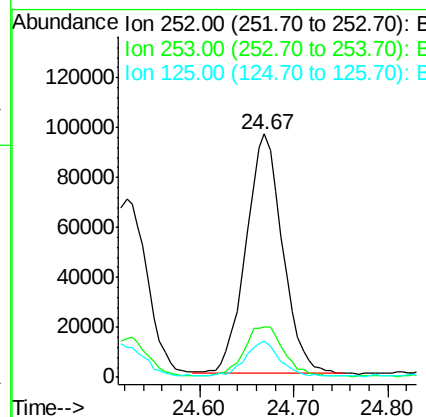
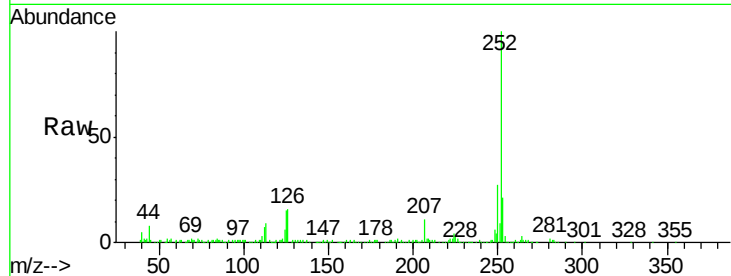
ClientSampleId :

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Tgt Ion:	252	Resp:	258273
Ion Ratio	Lower	Upper	
252	100		
253	20.8	17.1	25.7
125	14.7	9.4	14.2#

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#28

Indeno(1,2,3-cd)pyrene

Concen: 5.27 ng/ul

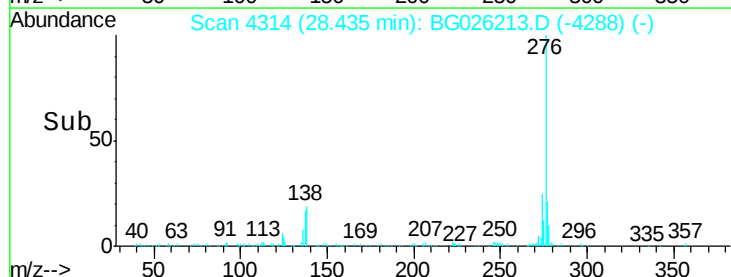
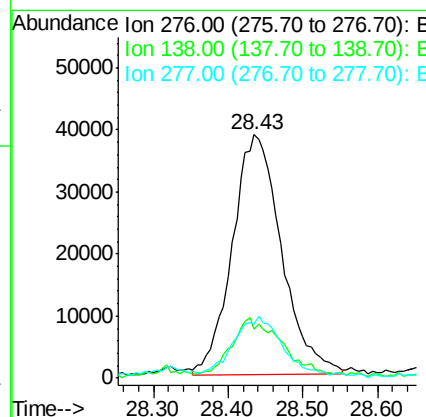
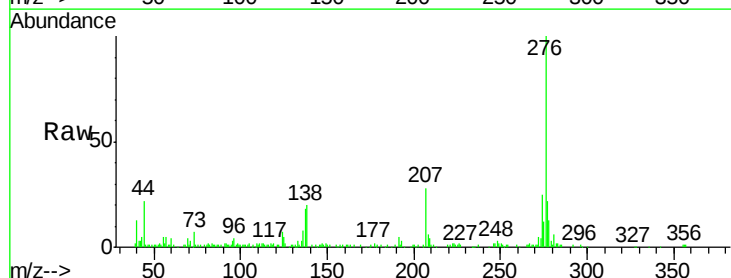
RT: 28.43 min Scan# 4314

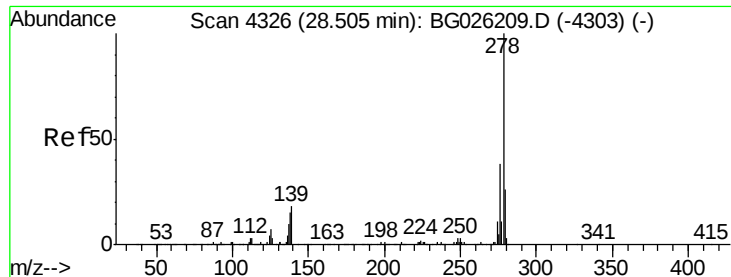
Delta R.T. -0.05 min

Lab File: BG026213.D

Acq: 13 Mar 2017 15:14

Tgt Ion:	276	Resp:	176409
Ion Ratio	Lower	Upper	
276	100		
138	20.4	17.8	26.6
277	22.2	19.4	29.0





#29

Dibenzo(a,h)anthracene

Concen: 1.85 ng/ul m

RT: 28.47 min Scan# 4320

Delta R.T. -0.07 min

Lab File: BG026213.D

Acq: 13 Mar 2017 15:14

Instrument :

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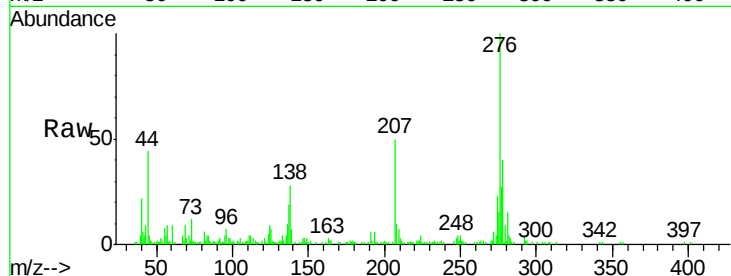
ClientSampleId :

CB2W6

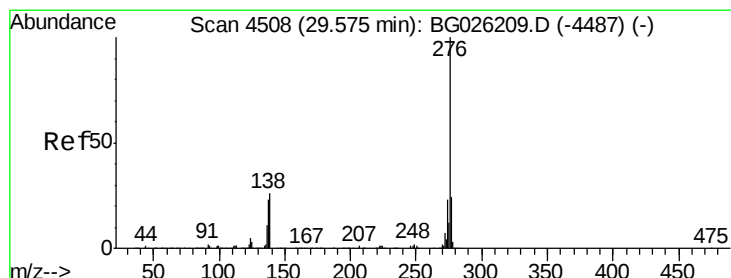
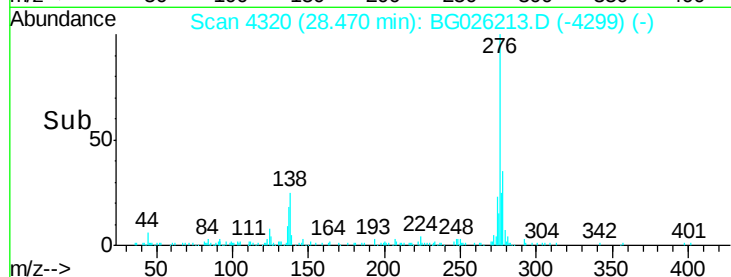
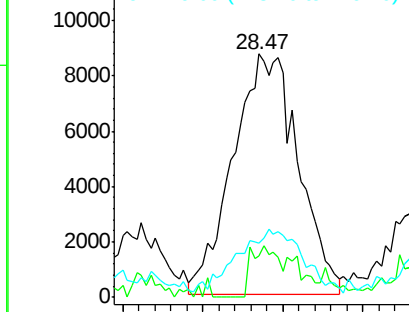
Tgt Ion:	278	Resp:	49236
Ion Ratio	Lower	Upper	
278	100		
139	17.3	14.0	21.0
279	22.2	20.6	31.0

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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: 5.62 ng/ul

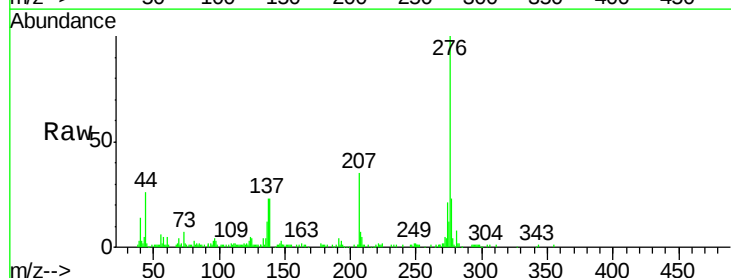
RT: 29.57 min Scan# 4508

Delta R.T. -0.03 min

Lab File: BG026213.D

Acq: 13 Mar 2017 15:14

Tgt Ion:	276	Resp:	161067
Ion Ratio	Lower	Upper	
276	100		
138	23.2	19.0	28.4
277	22.7	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

