

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
 Data File : BG026216.D
 Acq On : 13 Mar 2017 17:51
 Operator : SJ/MA
 Sample : I2217-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB2X7

Manual Integrations
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Quant Time: Mar 21 17:23:17 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	73172	20.00	ng/ul	-0.02
2) Naphthalene-d8	10.86	136	368266	20.00	ng/ul	-0.02
6) Acenaphthene-d10	14.66	164	235715	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	568794	20.00	ng/ul	-0.02
18) Chrysene-d12	21.64	240	600597	20.00	ng/ul	-0.02
23) Perylene-d12	24.82	264	566301	20.00	ng/ul	-0.03
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.47	165	81358	14.92	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	499442	24.85	ng/ul	-0.02
10) Fluorene-d10	15.64	176	371850	25.36	ng/ul	-0.02
15) Anthracene-d10	17.49	188	565281	22.36	ng/ul	-0.02
19) Pyrene-d10	19.76	212	628934	20.52	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.60	264	577572	23.65	ng/ul	-0.02
Target Compounds						
9) Acenaphthene	14.72	153	17942	1.24	ng/ul	Qvalue 91
11) Fluorene	15.70	166	20927	1.28	ng/ul	96
14) Phenanthrene	17.43	178	353232	11.72	ng/ul	99
16) Anthracene	17.52	178	75318	2.47	ng/ul	99
17) Fluoranthene	19.43	202	563357	18.00	ng/ul	100
20) Pyrene	19.79	202	481852	12.60	ng/ul	99
21) Benzo(a)anthracene	21.61	228	262217	7.84	ng/ul	98
22) Chrysene	21.68	228	253183	8.12	ng/ul	99
24) Benzo(b)fluoranthene	23.81	252	329978	10.26	ng/ul	99
25) Benzo(k)fluoranthene	23.87	252	100043m	3.26	ng/ul	
27) Benzo(a)pyrene	24.67	252	179476	6.01	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.44	276	130748	3.96	ng/ul	94
29) Dibenzo(a,h)anthracene	28.48	278	40254m	1.54	ng/ul	
30) Benzo(g,h,i)perylene	29.57	276	121106	4.29	ng/ul	96

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

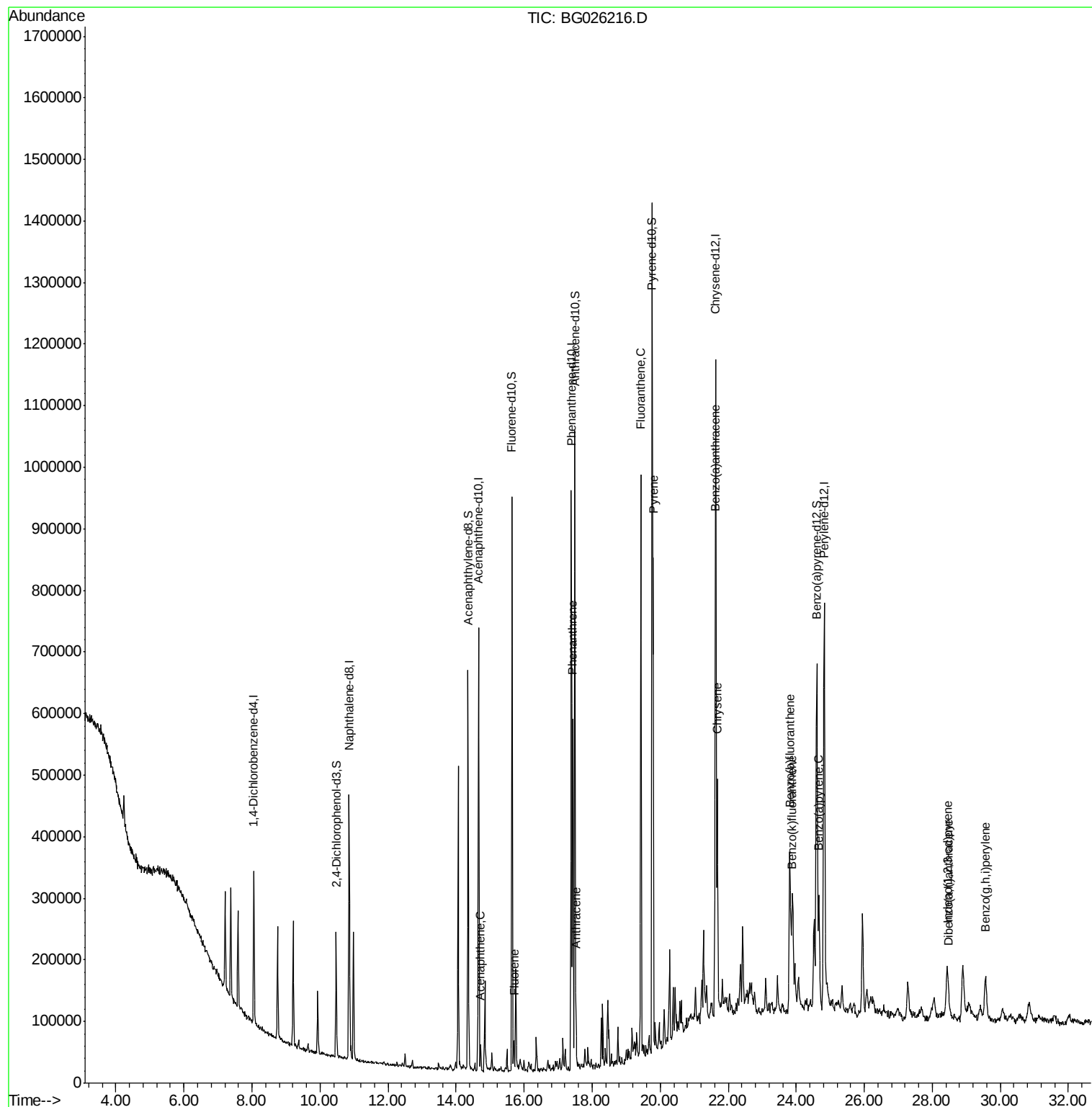
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
Data File : BG026216.D
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ALS Vial : 11 Sample Multiplier: 1

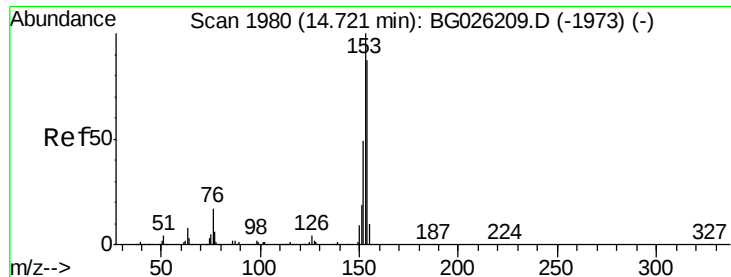
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Quant Title : SVOA CALIBRATION
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#9

Acenaphthene

Concen: 1.24 ng/ul

RT: 14.72 min Scan# 1980

Delta R.T. -0.02 min

Lab File: BG026216.D

Acq: 13 Mar 2017 17:51

Instrument :

BNA_G

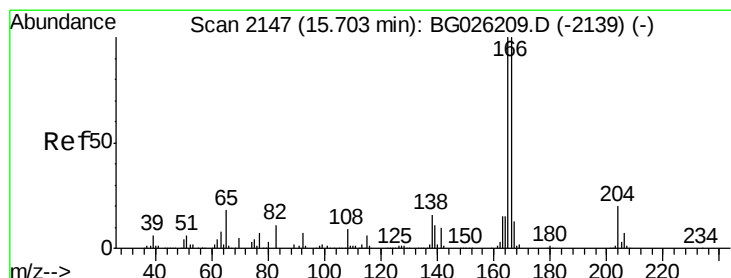
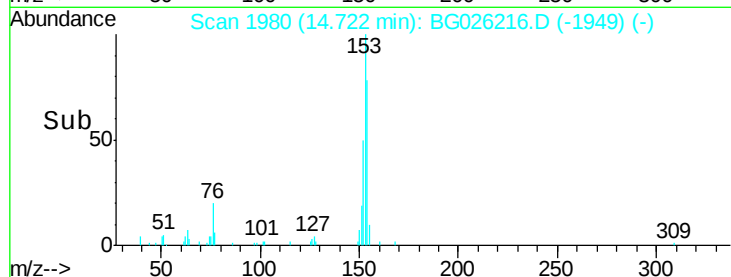
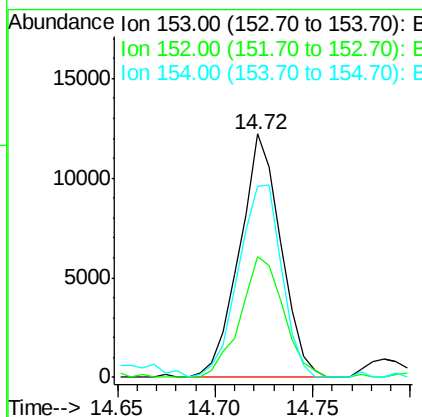
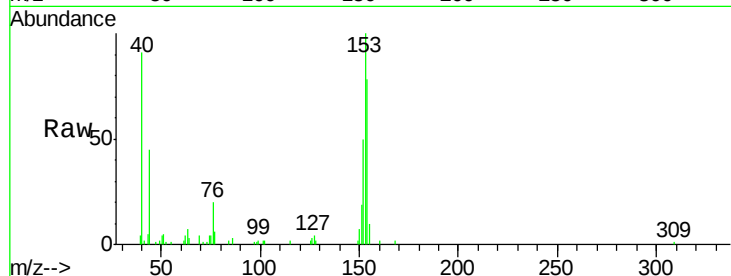
ClientSampleId :

CB2X7

Tgt Ion:	153	Resp:	17942
Ion Ratio	Lower	Upper	
153	100		
152	49.5	37.9	56.9
154	78.4	71.6	107.4

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#11

Fluorene

Concen: 1.28 ng/ul

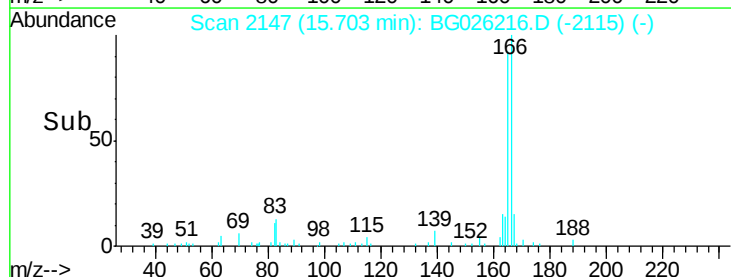
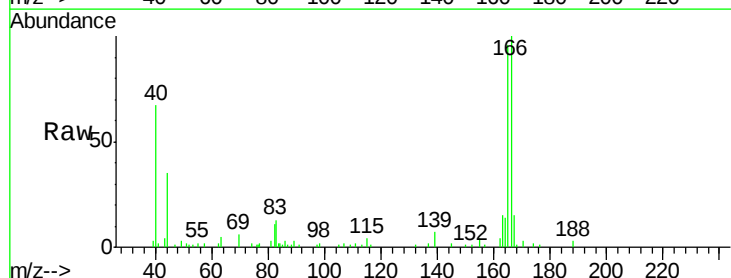
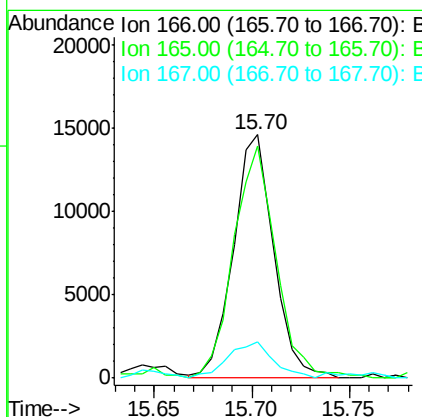
RT: 15.70 min Scan# 2147

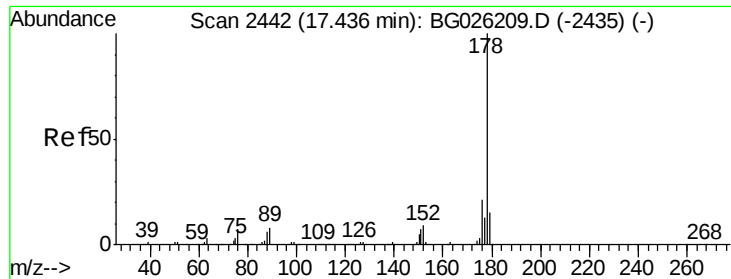
Delta R.T. -0.01 min

Lab File: BG026216.D

Acq: 13 Mar 2017 17:51

Tgt Ion:	166	Resp:	20927
Ion Ratio	Lower	Upper	
166	100		
165	95.5	80.0	120.0
167	15.0	11.6	17.4





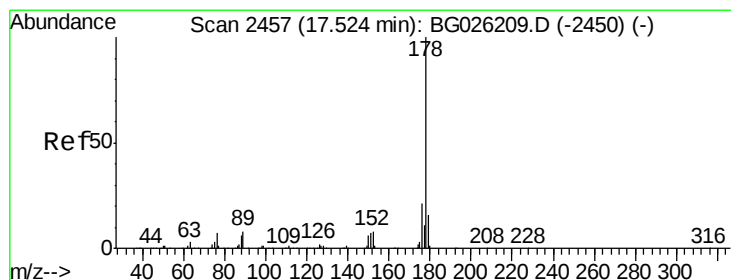
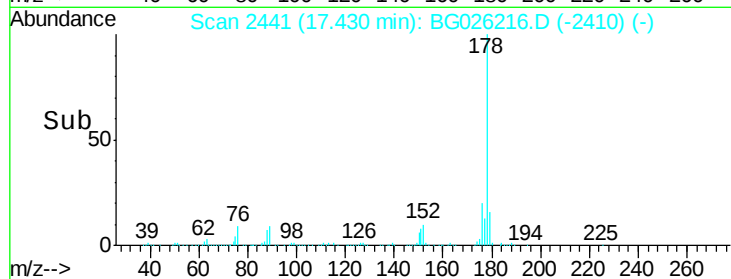
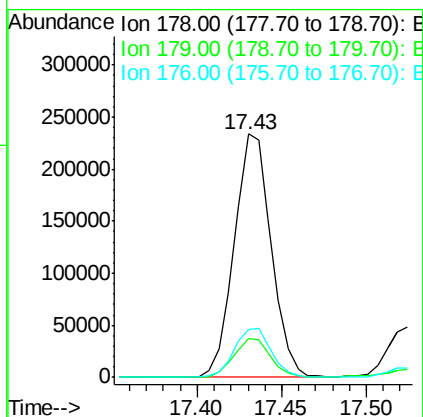
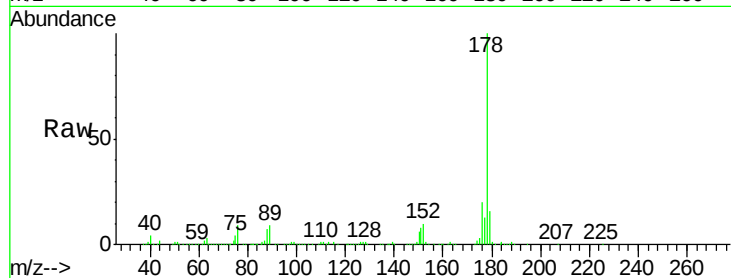
#14
Phenanthrene
Concen: 11.72 ng/ul
RT: 17.43 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BG026216.D
Acq: 13 Mar 2017 17:51

Instrument :
BNA_G
ClientSampleId :
CB2X7

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.2	18.4
176	19.8	16.4	24.6

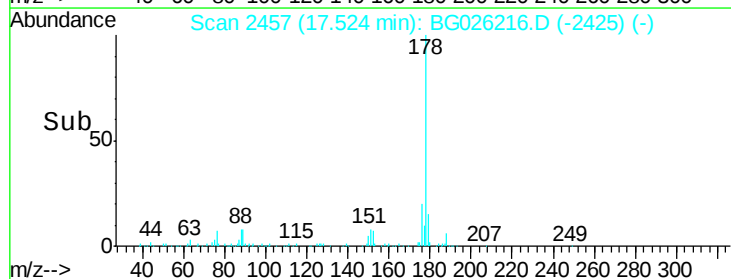
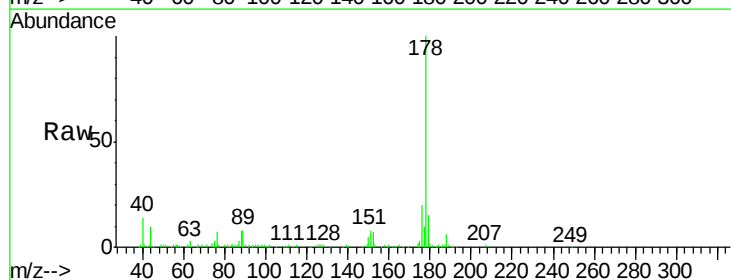
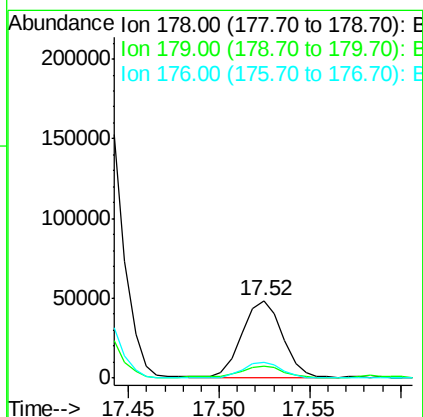
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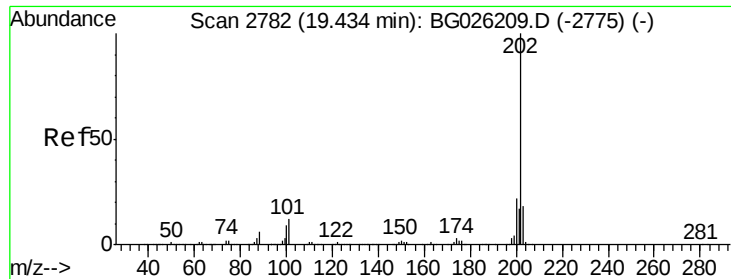
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#16
Anthracene
Concen: 2.47 ng/ul
RT: 17.52 min Scan# 2457
Delta R.T. -0.01 min
Lab File: BG026216.D
Acq: 13 Mar 2017 17:51

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.7	19.1
176	19.6	15.8	23.8





#17

Fluoranthene

Concen: 18.00 ng/ul

RT: 19.43 min Scan# 2782

Delta R.T. -0.01 min

Lab File: BG026216.D

Acq: 13 Mar 2017 17:51

Instrument :

BNA_G

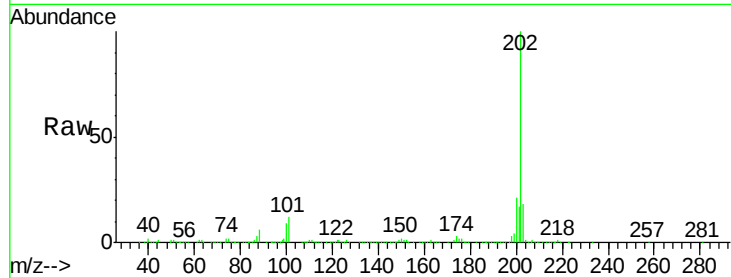
ClientSampleId :

CB2X7

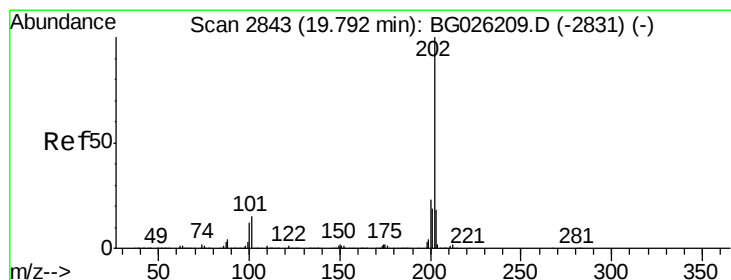
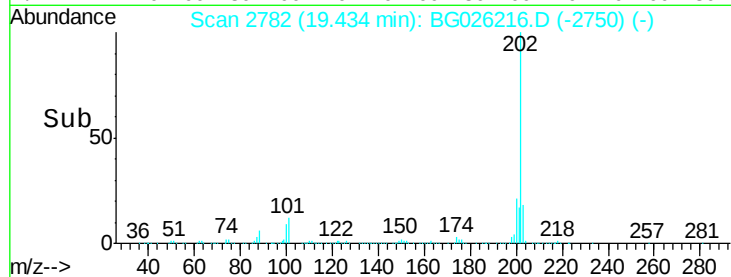
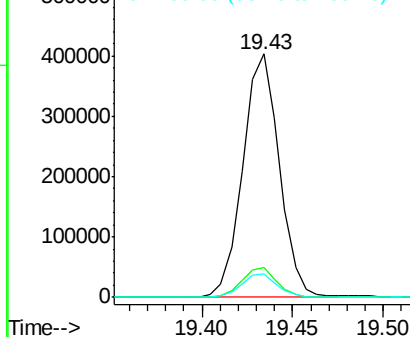
Tgt	Ion	202	Resp:	563357
Ion	Ratio	Lower	Upper	
202	100			
101	12.1	9.8	14.8	
100	9.5	7.5	11.3	

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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: 12.60 ng/ul

RT: 19.79 min Scan# 2843

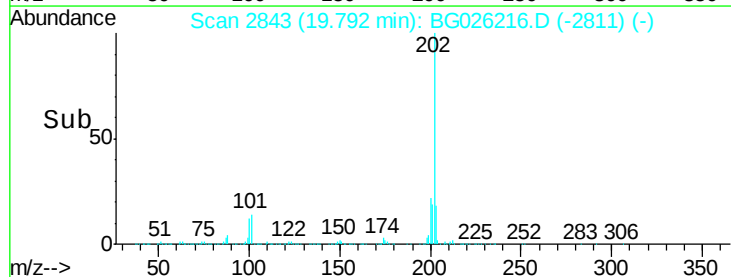
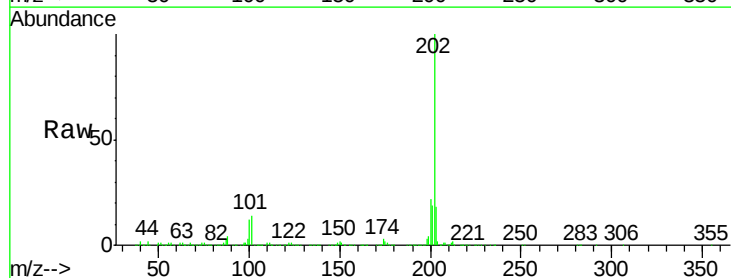
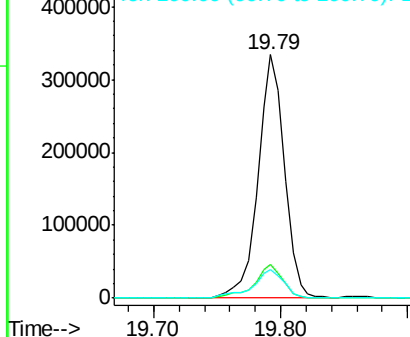
Delta R.T. -0.01 min

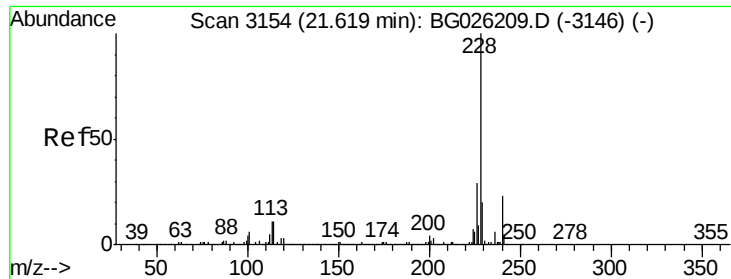
Lab File: BG026216.D

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Tgt	Ion	202	Resp:	481852
Ion	Ratio	Lower	Upper	
202	100			
101	13.8	11.2	16.8	
100	11.6	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: 7.84 ng/ul

RT: 21.61 min Scan# 3153

Delta R.T. -0.02 min

Lab File: BG026216.D

Acq: 13 Mar 2017 17:51

Instrument :

BNA_G

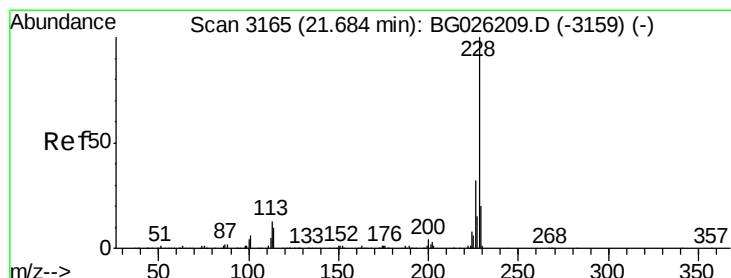
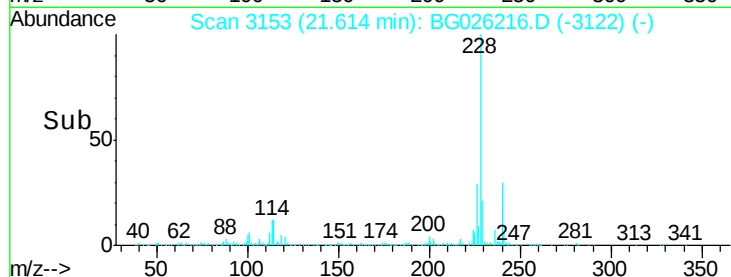
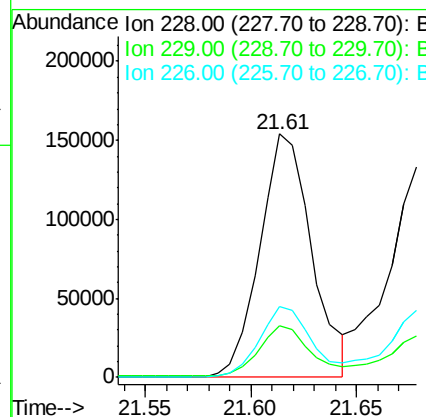
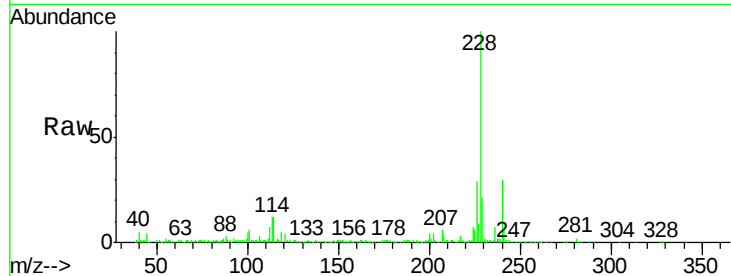
ClientSampleId :

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Tgt Ion:	228	Resp:	262217
Ion Ratio	Lower	Upper	
228	100		
229	21.0	15.9	23.9
226	28.9	22.1	33.1

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#22

Chrysene

Concen: 8.12 ng/ul

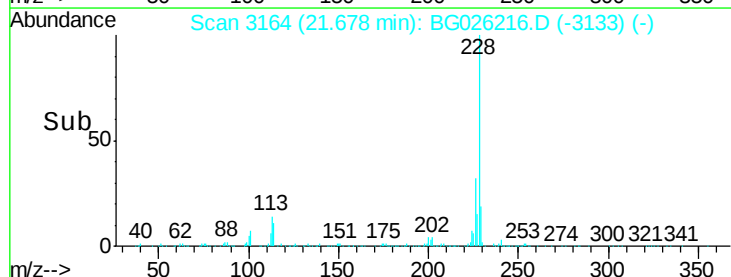
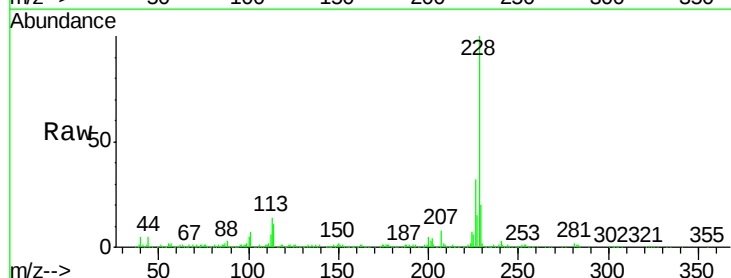
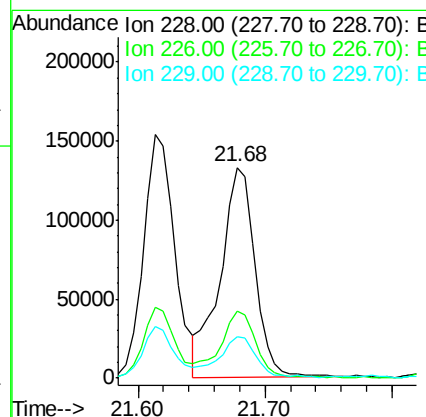
RT: 21.68 min Scan# 3164

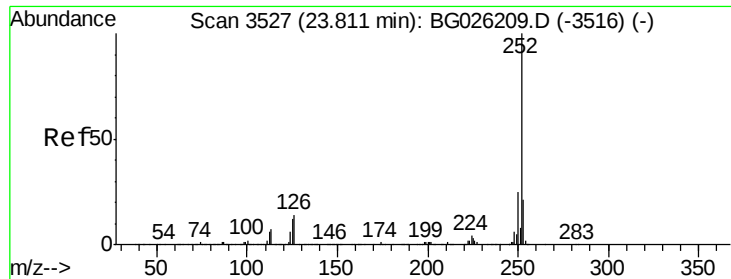
Delta R.T. -0.02 min

Lab File: BG026216.D

Acq: 13 Mar 2017 17:51

Tgt Ion:	228	Resp:	253183
Ion Ratio	Lower	Upper	
228	100		
226	31.9	25.0	37.6
229	19.8	16.6	25.0





#24

Benzo(b)fluoranthene

Concen: 10.26 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. -0.02 min

Lab File: BG026216.D

Acq: 13 Mar 2017 17:51

Instrument :

BNA_G

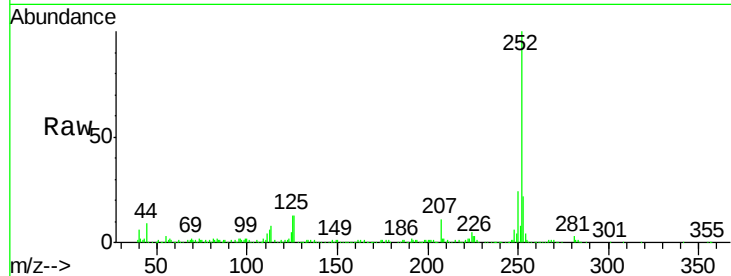
ClientSampleId :

CB2X7

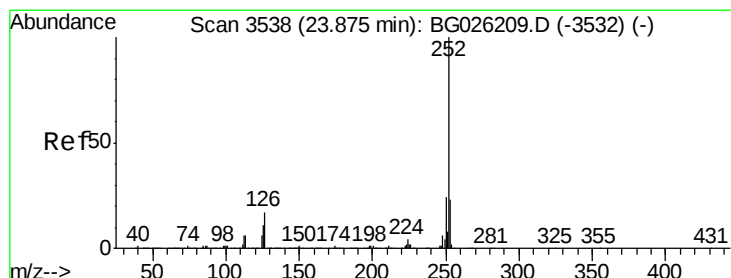
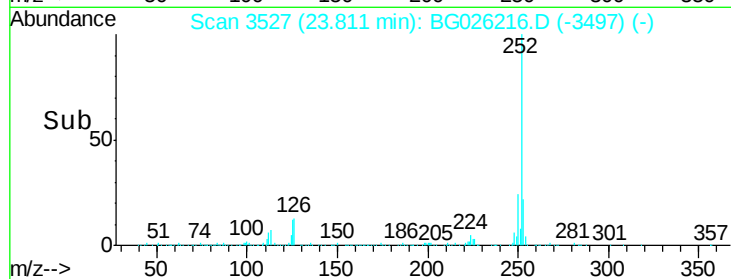
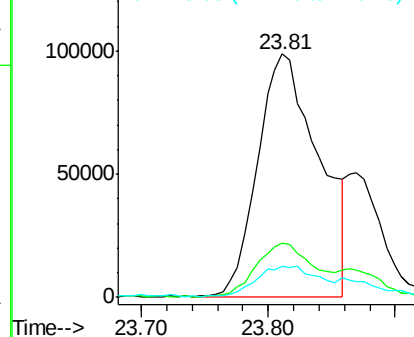
Tgt Ion:	252	Resp:	329978
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.8	26.6
125	12.7	9.4	14.0

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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



#25

Benzo(k)fluoranthene

Concen: 3.26 ng/ul m

RT: 23.87 min Scan# 3537

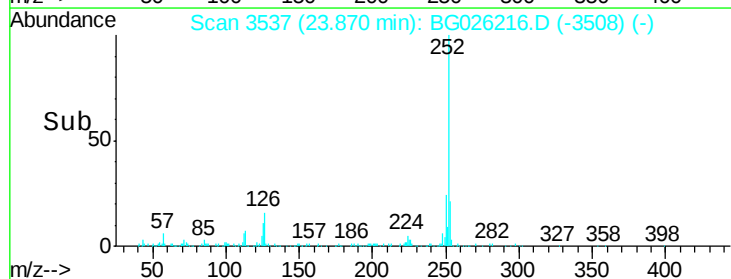
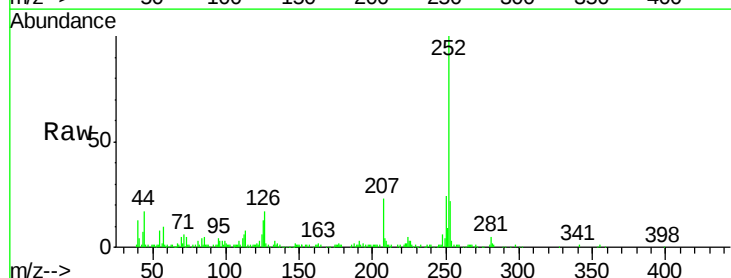
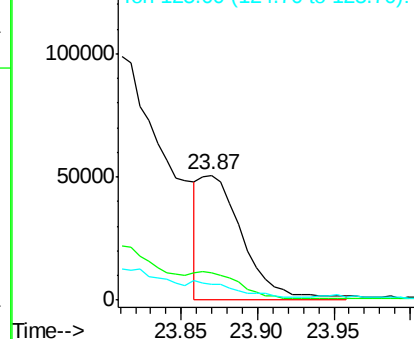
Delta R.T. -0.03 min

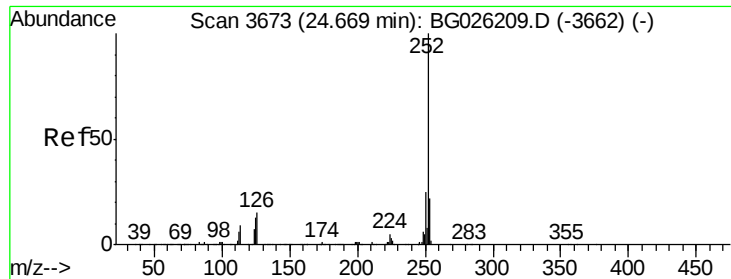
Lab File: BG026216.D

Acq: 13 Mar 2017 17:51

Tgt Ion:	252	Resp:	100043
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.4	26.2
125	12.6	8.8	13.2

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





#27

Benzo(a)pyrene

Concen: 6.01 ng/ul

RT: 24.67 min Scan# 3673

Delta R.T. -0.03 min

Lab File: BG026216.D

Acq: 13 Mar 2017 17:51

Instrument :

BNA_G

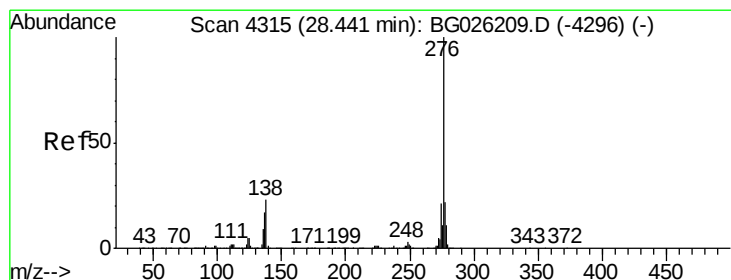
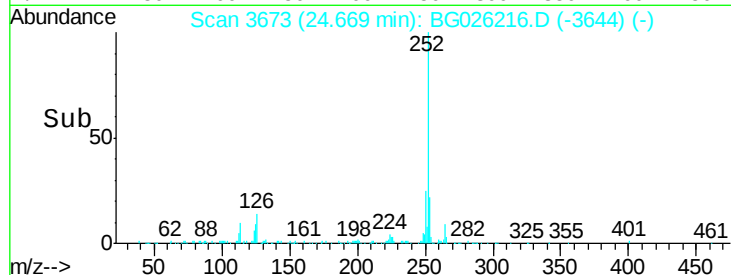
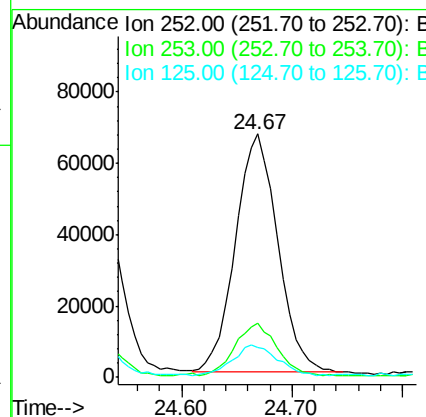
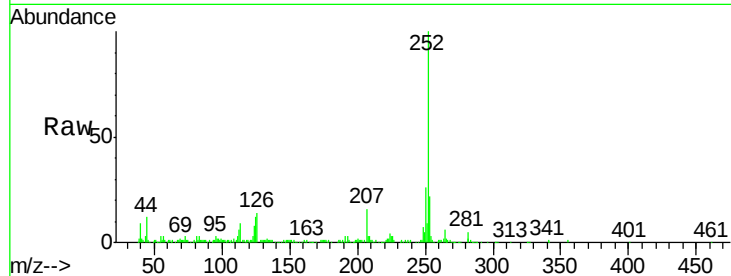
ClientSampleId :

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Tgt Ion:	252	Resp:	179476
Ion Ratio		Lower	Upper
252	100		
253	22.2	17.1	25.7
125	12.5	9.4	14.2

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#28

Indeno(1,2,3-cd)pyrene

Concen: 3.96 ng/ul

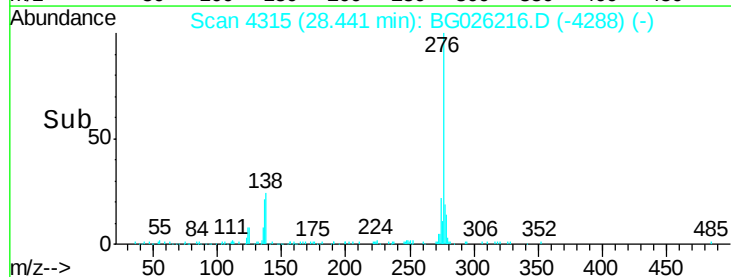
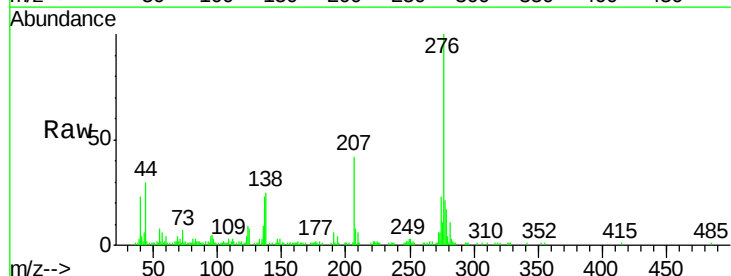
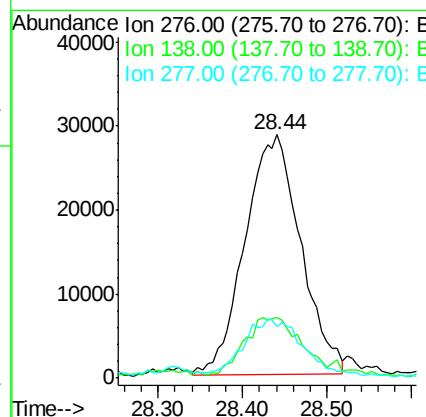
RT: 28.44 min Scan# 4315

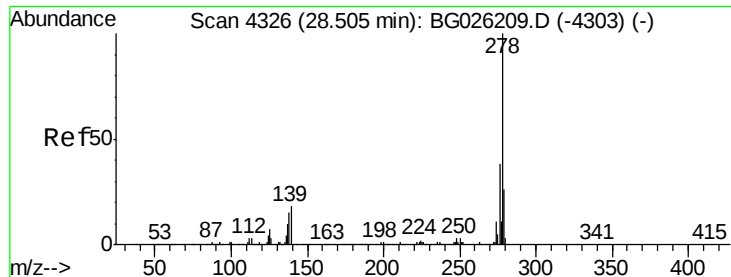
Delta R.T. -0.04 min

Lab File: BG026216.D

Acq: 13 Mar 2017 17:51

Tgt Ion:	276	Resp:	130748
Ion Ratio		Lower	Upper
276	100		
138	24.8	17.8	26.6
277	21.1	19.4	29.0





#29

Dibenzo(a,h)anthracene

Concen: 1.54 ng/ul m

RT: 28.48 min Scan# 4322

Delta R.T. -0.06 min

Lab File: BG026216.D

Acq: 13 Mar 2017 17:51

Instrument :

BNA_G

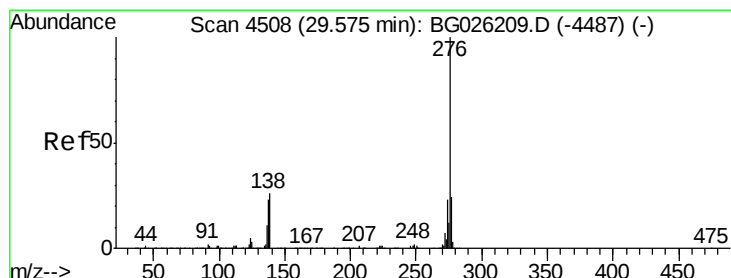
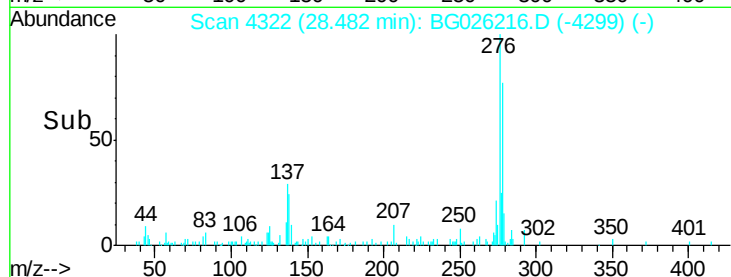
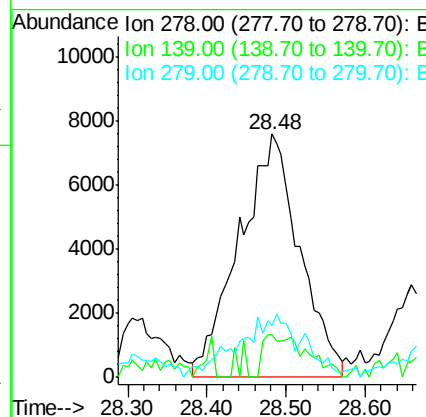
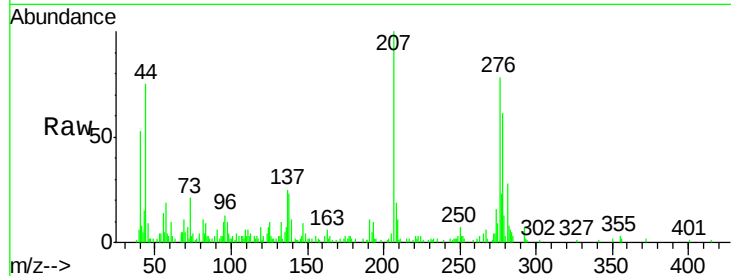
ClientSampleId :

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Tgt Ion:	278	Resp:	40254
Ion Ratio	Lower	Upper	
278	100		
139	17.7	14.0	21.0
279	21.4	20.6	31.0

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#30

Benzo(g,h,i)perylene

Concen: 4.29 ng/ul

RT: 29.57 min Scan# 4507

Delta R.T. -0.04 min

Lab File: BG026216.D

Acq: 13 Mar 2017 17:51

Tgt Ion:	276	Resp:	121106
Ion Ratio	Lower	Upper	
276	100		
138	25.7	19.0	28.4
277	22.7	19.7	29.5

