

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031517\
 Data File : BG026273.D
 Acq On : 16 Mar 2017 17:14
 Operator : SJ/MA
 Sample : I2237-10DL 10X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DABH7DL

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Quant Time: Mar 16 18:01:06 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.3-EPA-BG021617MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 16 14:39:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	88122	20.00	ng/ul	0.00
2) Naphthalene-d8	10.86	136	430359	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	219860	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.40	188	491458	20.00	ng/ul	0.01
17) Chrysene-d12	21.64	240	545493	20.00	ng/ul	0.00
22) Perylene-d12	24.84	264	508410	20.00	ng/ul	0.03
System Monitoring Compounds						
7) Acenaphthylene-d8	14.36	160	48010	2.64	ng/ul	0.00
10) Fluorene-d10	15.65	176	37936	2.71	ng/ul	0.00
14) Anthracene-d10	17.49	188	57353m	2.58	ng/ul	0.00
18) Pyrene-d10	19.77	212	68947	2.62	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.62	264	59911	2.66	ng/ul	0.02
Target Compounds						
9) Acenaphthene	14.73	153	27405	2.06	ng/ul#	93
11) Fluorene	15.70	166	25825	1.65	ng/ul	98
13) Phenanthrene	17.44	178	540603	20.62	ng/ul	98
15) Anthracene	17.53	178	114109	4.29	ng/ul	98
16) Fluoranthene	19.44	202	1033907	35.89	ng/ul	97
19) Pyrene	19.80	202	821950	24.90	ng/ul#	92
20) Benzo(a)anthracene	21.62	228	484331	15.78	ng/ul	95
21) Chrysene	21.69	228	430523	14.68	ng/ul	95
23) Benzo(b)fluoranthene	23.83	252	582665	19.84	ng/ul#	94
24) Benzo(k)fluoranthene	23.89	252	227314m	8.01	ng/ul	
26) Benzo(a)pyrene	24.69	252	378257	13.31	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	28.48	276	192120	5.77	ng/ul#	83
28) Dibenzo(a,h)anthracene	28.52	278	51892m	1.88	ng/ul	
29) Benzo(a,h,i)perylene	29.62	276	162130m	5.90	ng/ul	

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

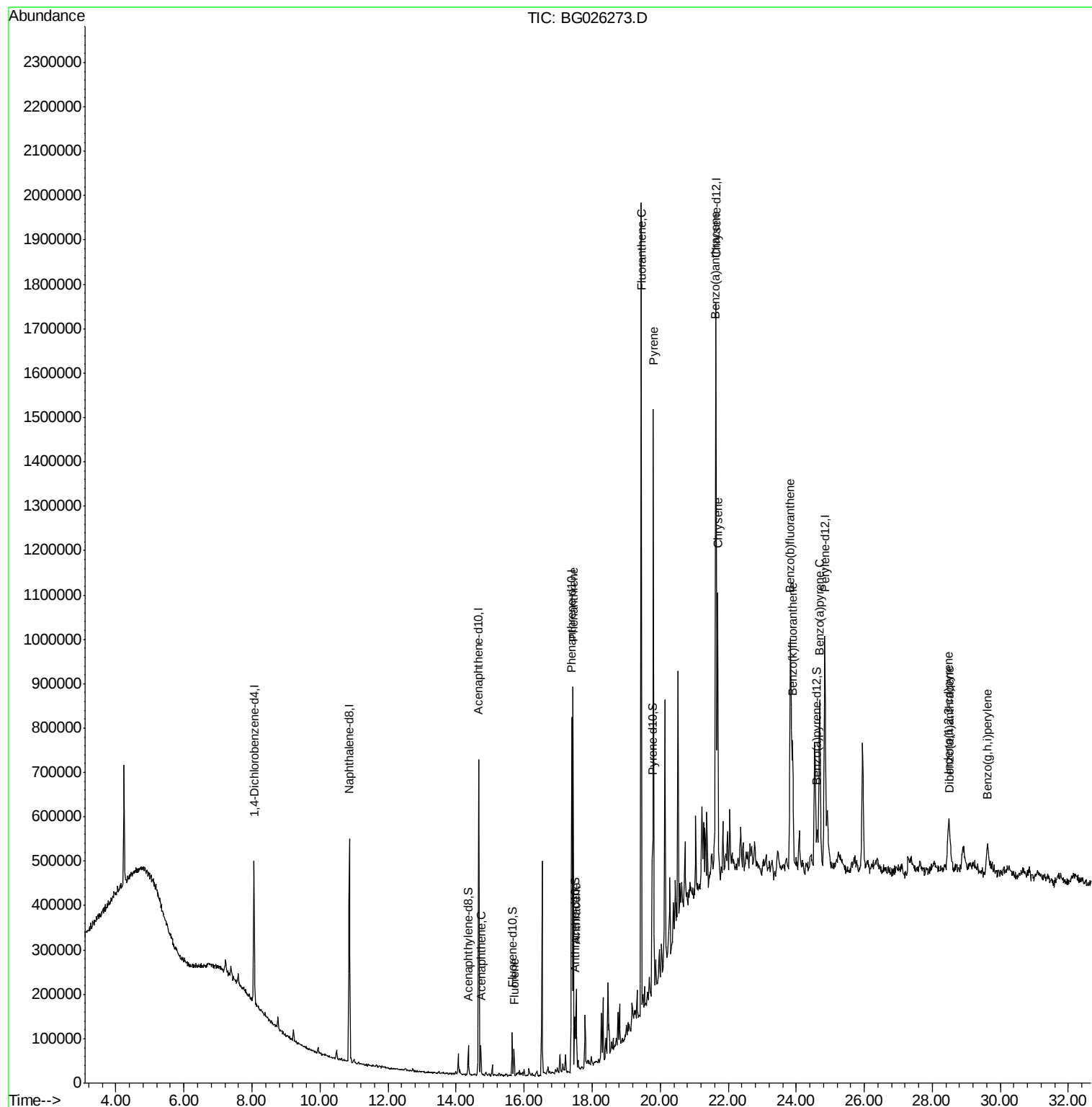
Data Path : Z:\HPCHEM1\BNA G\DATA\BG031517\
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ALS Vial : 39 Sample Multiplier: 1

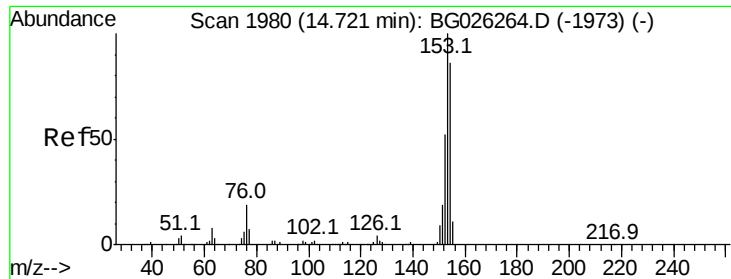
Instrument :
BNA_G
ClientSampleId :
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Quant Time: Mar 16 18:01:06 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.3-EPA-BG021617MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 14:39:29 2017
Response via : Initial Calibration





#9

Acenaphthene

Concen: 2.06 ng/ul

RT: 14.73 min Scan# 1981

Delta R.T. 0.01 min

Lab File: BG026273.D

Acq: 16 Mar 2017 17:14

Instrument :

BNA_G

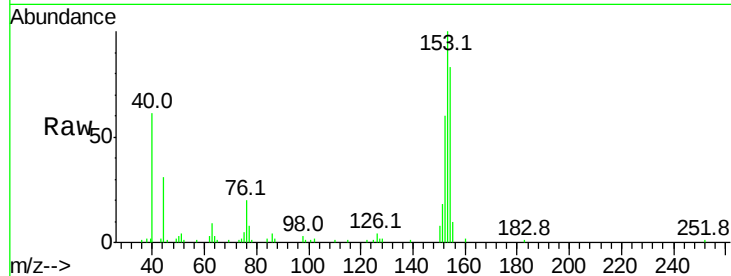
ClientSampleID :

DABH7DL

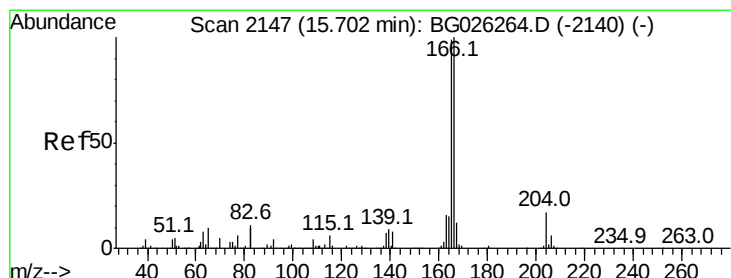
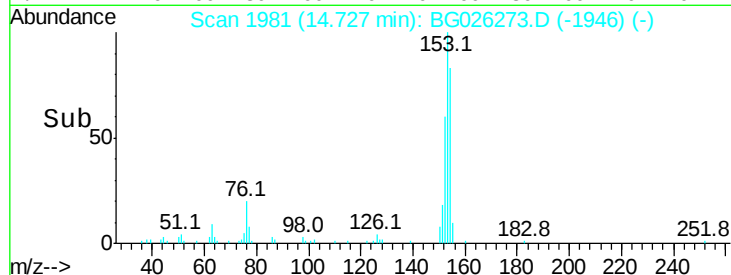
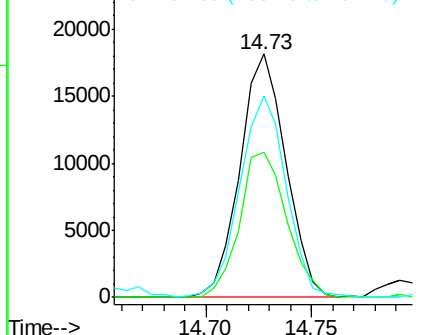
Tot Ion:	153	Resp:	27405
Ion Ratio	Lower	Upper	
153	100		
152	59.8	39.0	58.6#
154	82.7	66.8	100.2

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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: 1.65 ng/ul

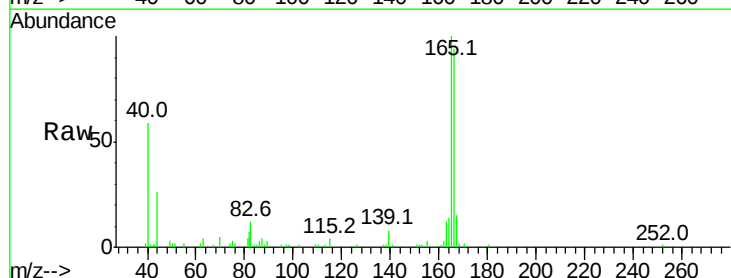
RT: 15.70 min Scan# 2147

Delta R.T. 0.00 min

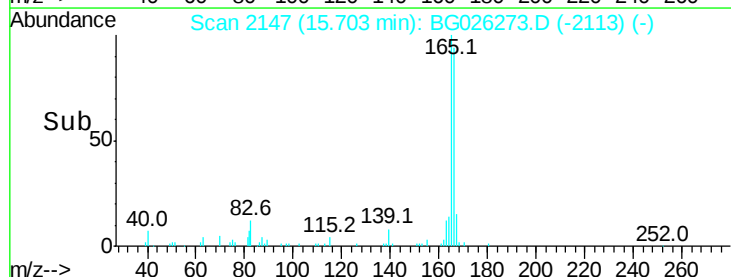
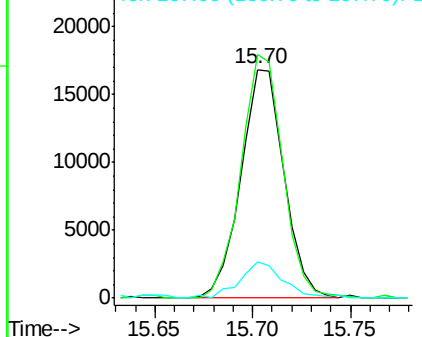
Lab File: BG026273.D

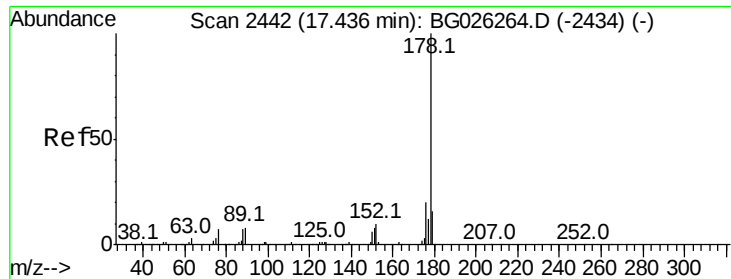
Acq: 16 Mar 2017 17:14

Tgt Ion:	166	Resp:	25825
Ion Ratio	Lower	Upper	
166	100		
165	106.6	83.8	125.8
167	15.9	11.5	17.3



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





#13

Phenanthrene

Concen: 20.62 ng/ul

RT: 17.44 min Scan# 2443

Delta R.T. 0.01 min

Lab File: BG026273.D

Acq: 16 Mar 2017 17:14

Instrument :

BNA_G

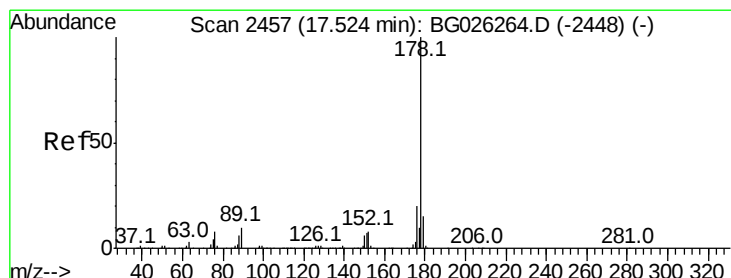
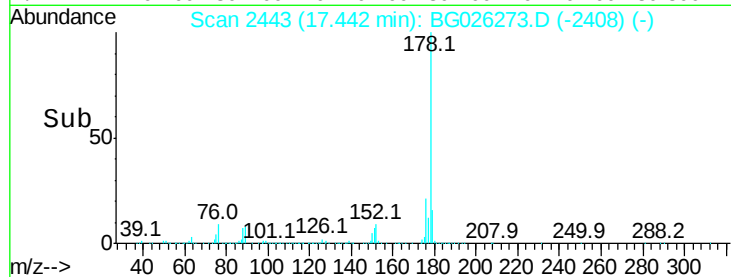
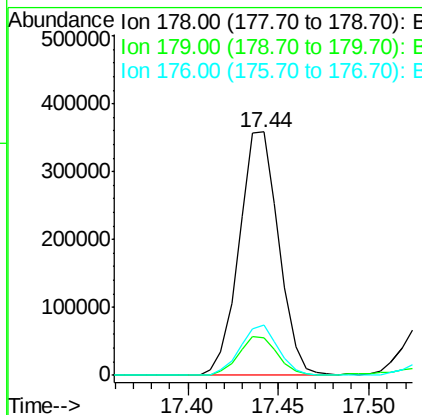
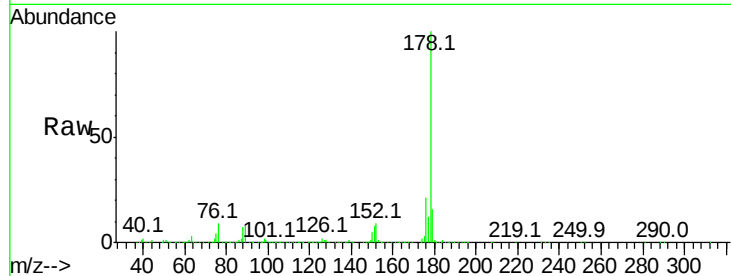
ClientSampleId :

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Tot Ion:	178	Resp:	540603
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.3	18.5
176	20.5	15.1	22.7

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#15

Anthracene

Concen: 4.29 ng/ul

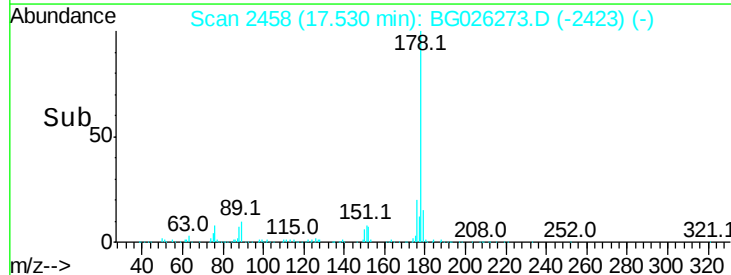
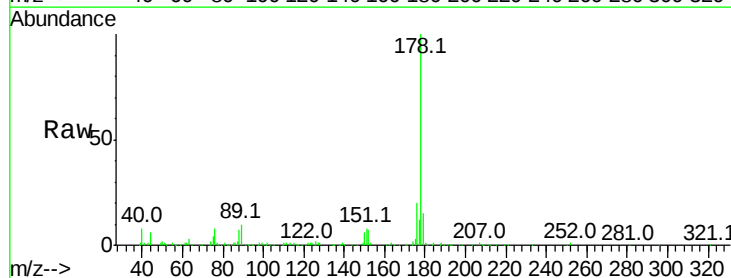
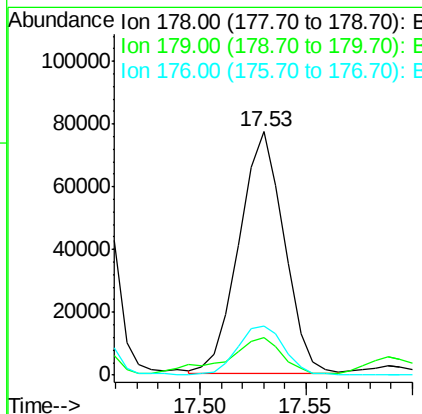
RT: 17.53 min Scan# 2458

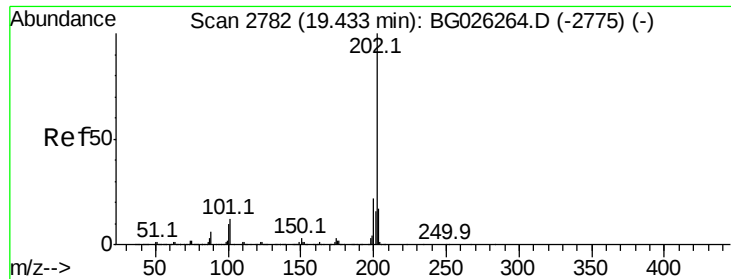
Delta R.T. 0.01 min

Lab File: BG026273.D

Acq: 16 Mar 2017 17:14

Tgt Ion:	178	Resp:	114109
Ion Ratio	Lower	Upper	
178	100		
179	15.5	11.8	17.8
176	20.0	15.2	22.8





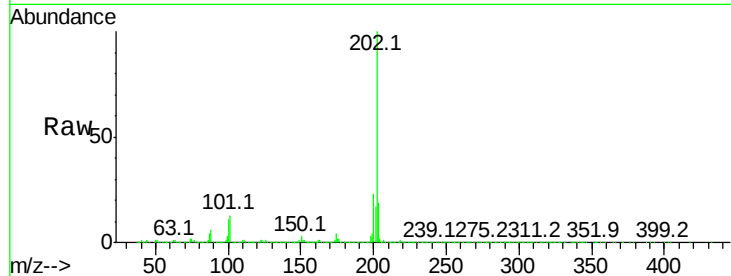
#16
 Fluoranthene
 Concen: 35.89 ng/ul
 RT: 19.44 min Scan# 2783
 Delta R.T. 0.01 min
 Lab File: BG026273.D
 Acq: 16 Mar 2017 17:14

Instrument :
 BNA_G
 ClientSampleId :
 DABH7DL

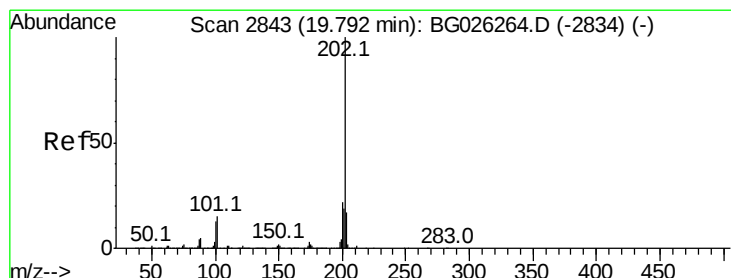
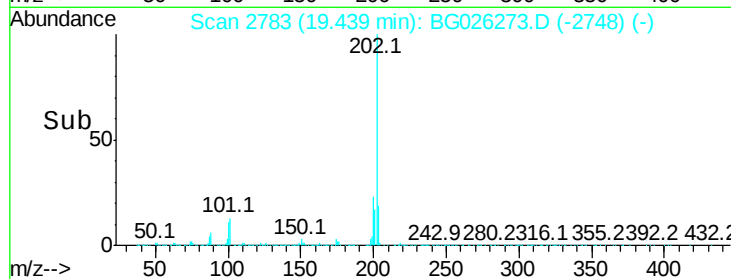
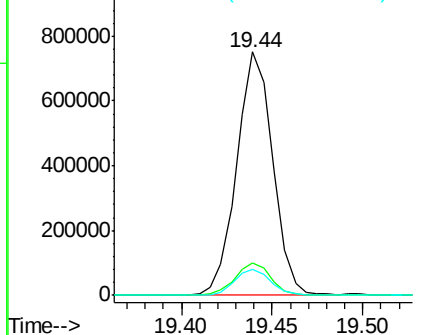
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.2	9.9	14.9
100	10.6	7.4	11.0

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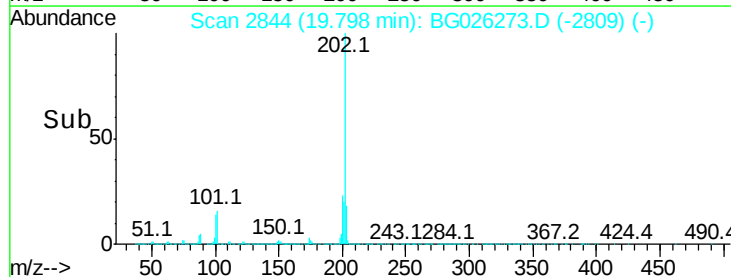
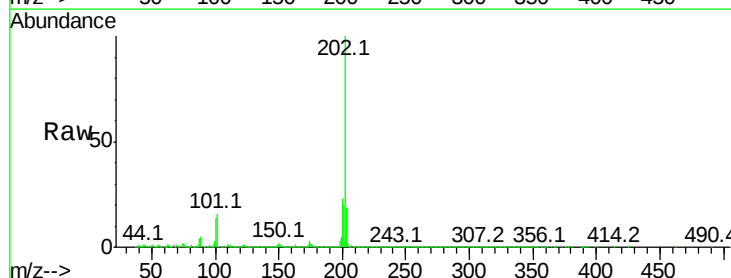
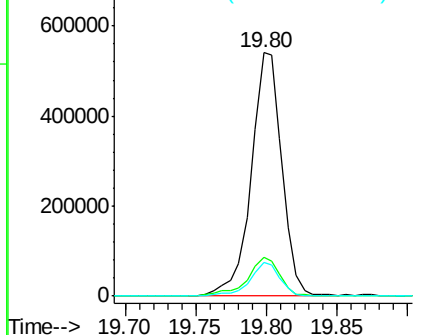
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

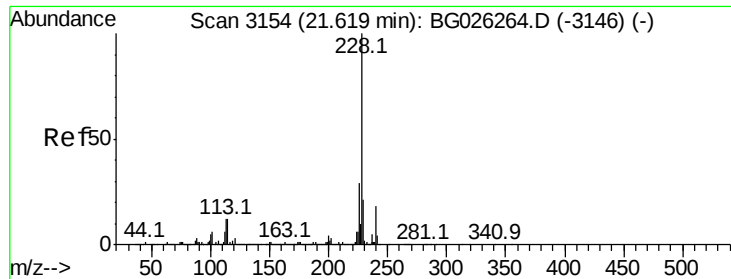


#19
 Pyrene
 Concen: 24.90 ng/ul
 RT: 19.80 min Scan# 2844
 Delta R.T. 0.01 min
 Lab File: BG026273.D
 Acq: 16 Mar 2017 17:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.9	11.0	16.4
100	14.0	8.1	12.1#

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





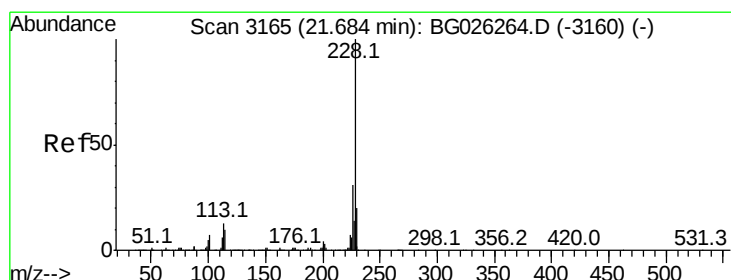
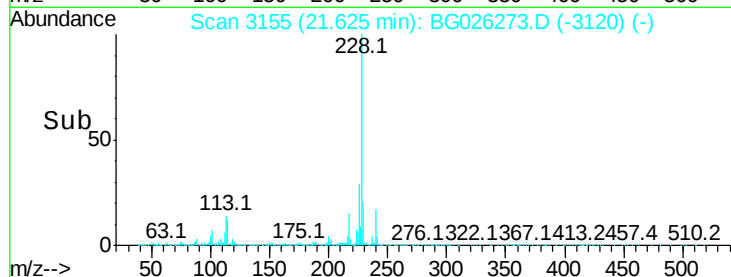
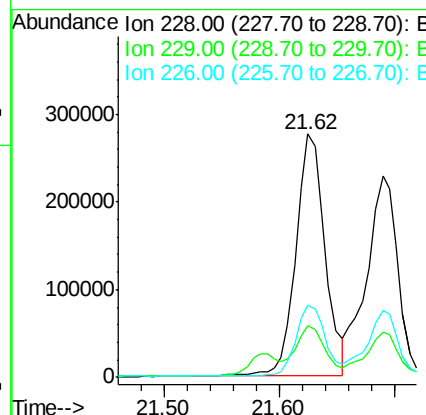
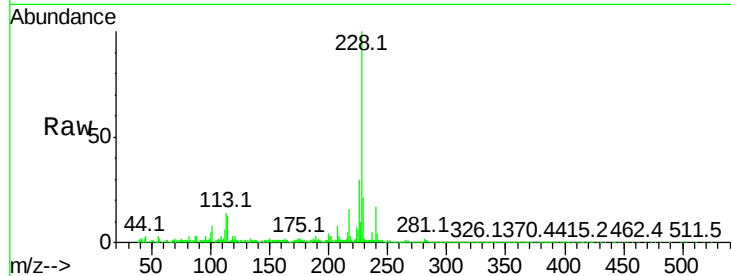
#20
Benzo(a)anthracene
Concen: 15.78 ng/ul
RT: 21.62 min Scan# 3155
Delta R.T. 0.01 min
Lab File: BG026273.D
Acq: 16 Mar 2017 17:14

Instrument :
BNA_G
ClientSampleId :
DABH7DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.7	23.5
226	29.7	21.1	31.7

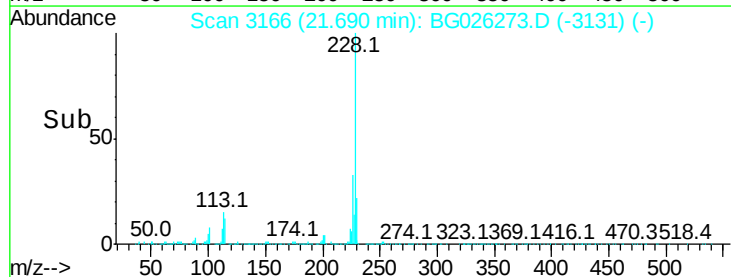
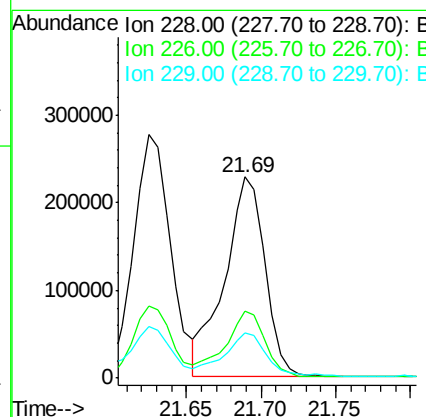
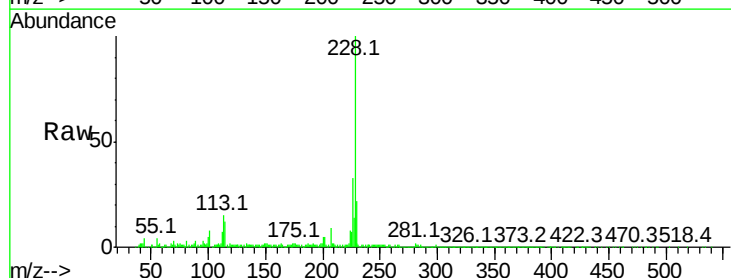
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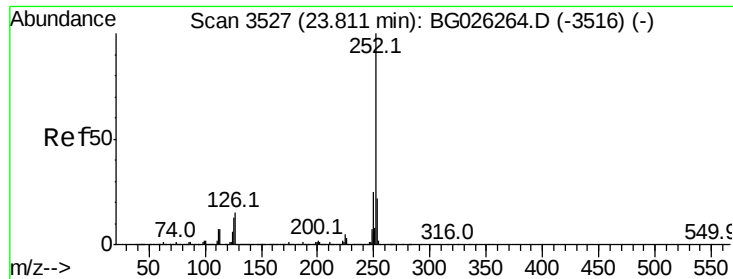
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#21
Chrysene
Concen: 14.68 ng/ul
RT: 21.69 min Scan# 3166
Delta R.T. 0.01 min
Lab File: BG026273.D
Acq: 16 Mar 2017 17:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.2	24.5	36.7
229	22.4	15.8	23.8





#23

Benzo(b)fluoranthene

Concen: 19.84 ng/ul

RT: 23.83 min Scan# 3530

Delta R.T. 0.02 min

Lab File: BG026273.D

Acq: 16 Mar 2017 17:14

Instrument :

BNA_G

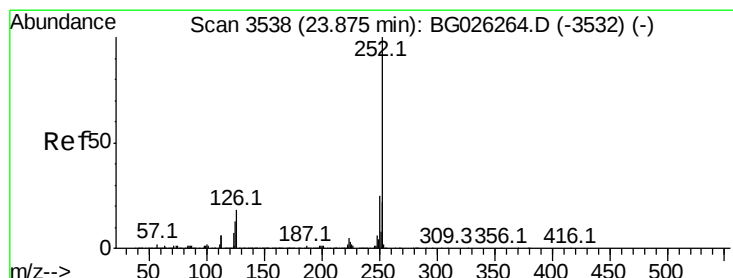
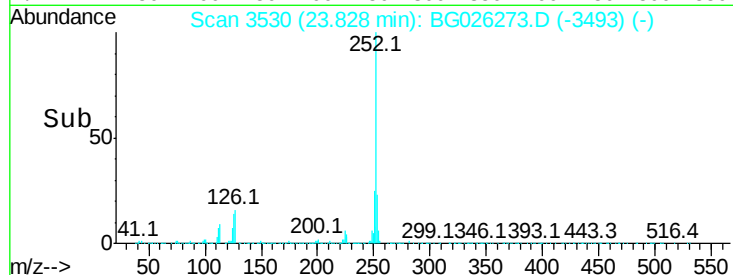
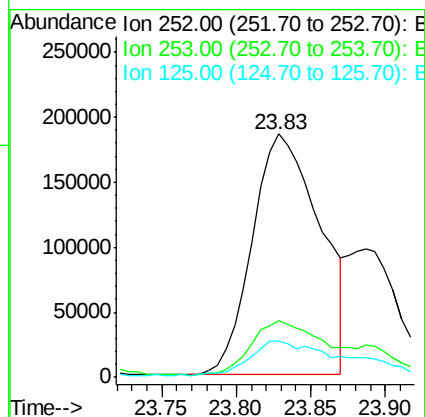
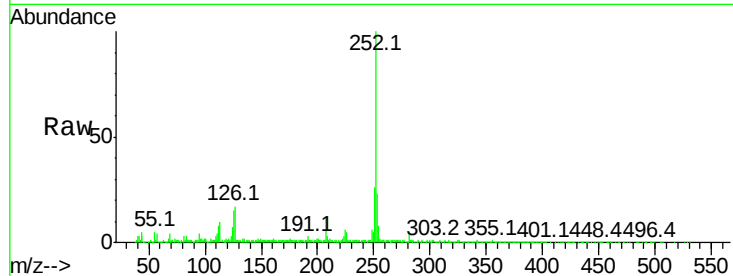
ClientSampleID :

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Tot Ion:	252	Resp:	582665
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.0	27.0
125	15.0	8.0	12.0#

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#24

Benzo(k)fluoranthene

Concen: 8.01 ng/ul m

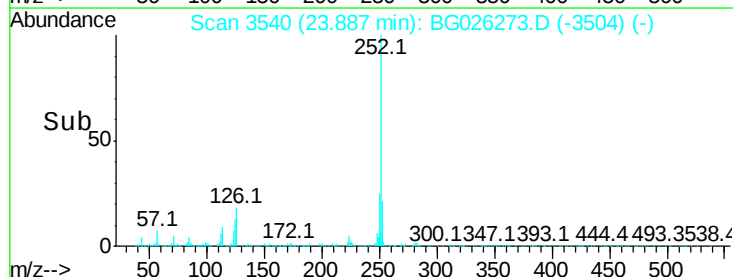
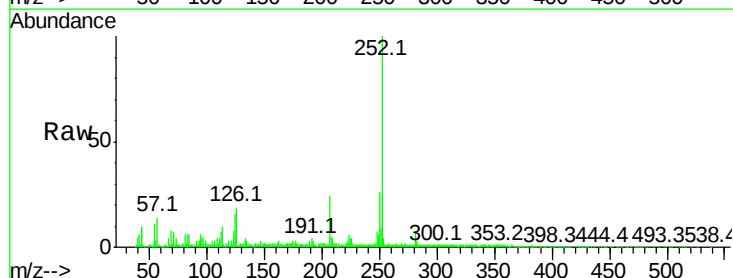
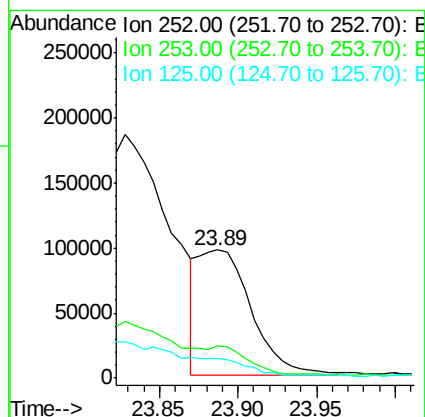
RT: 23.89 min Scan# 3540

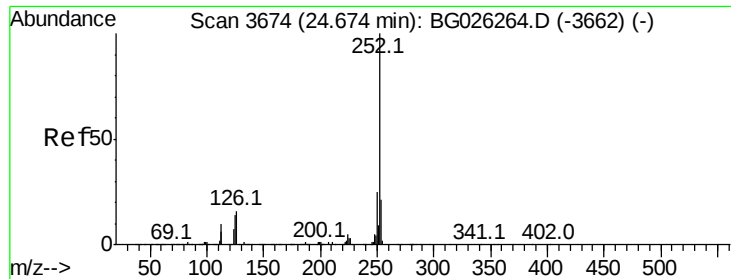
Delta R.T. 0.01 min

Lab File: BG026273.D

Acq: 16 Mar 2017 17:14

Tgt Ion:	252	Resp:	227314
Ion Ratio	Lower	Upper	
252	100		
253	25.0	18.0	27.0
125	15.5	8.1	12.1#





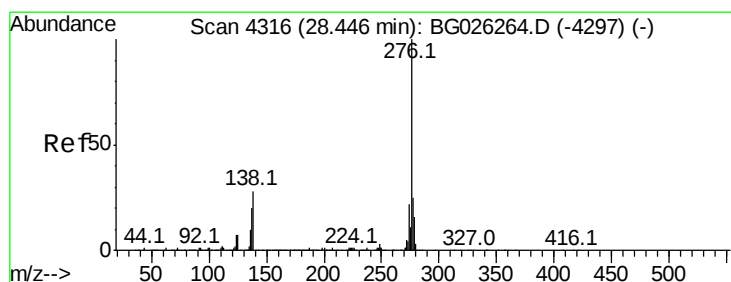
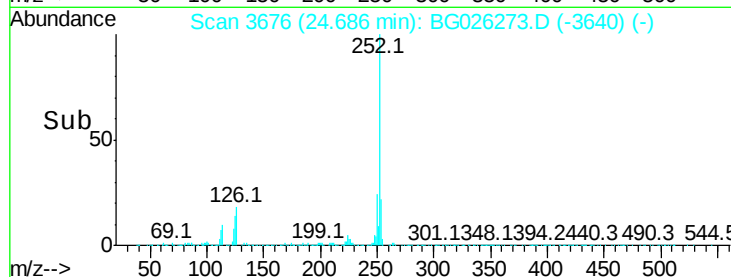
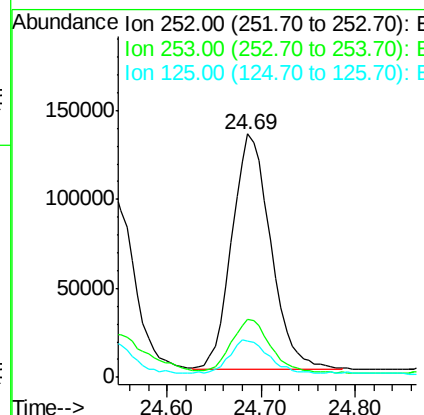
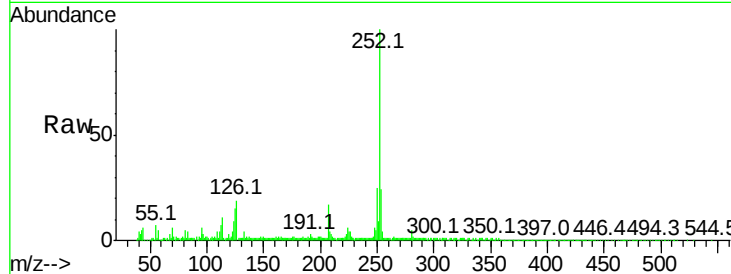
#26
Benzo(a)pyrene
Concen: 13.31 ng/ul
RT: 24.69 min Scan# 3676
Delta R.T. 0.01 min
Lab File: BG026273.D
Acq: 16 Mar 2017 17:14

Instrument :
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ClientSampleId :
DABH7DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	14.7	8.2	12.4

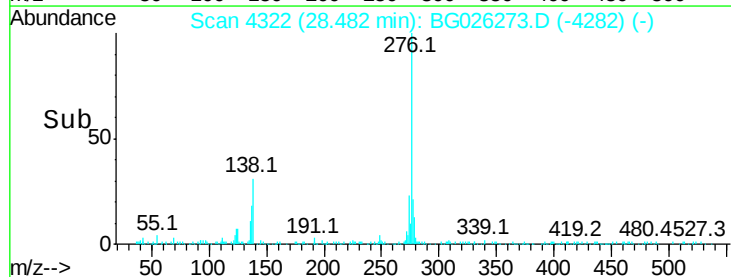
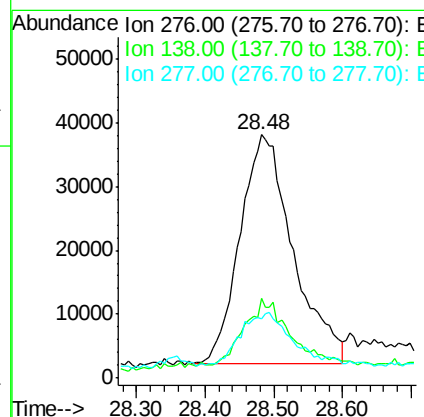
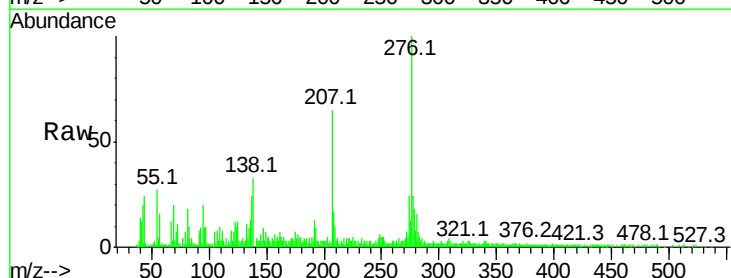
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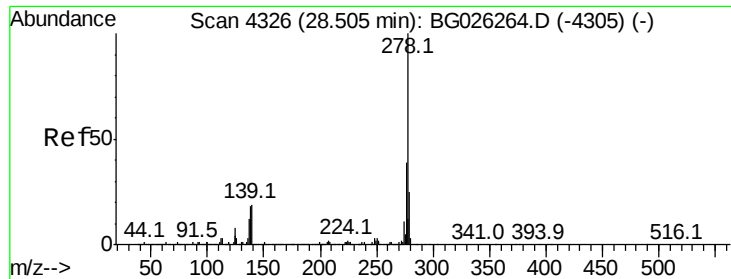
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#27
Indeno(1,2,3-cd)pyrene
Concen: 5.77 ng/ul
RT: 28.48 min Scan# 4322
Delta R.T. 0.04 min
Lab File: BG026273.D
Acq: 16 Mar 2017 17:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.5	14.4	21.6
277	24.4	18.0	27.0





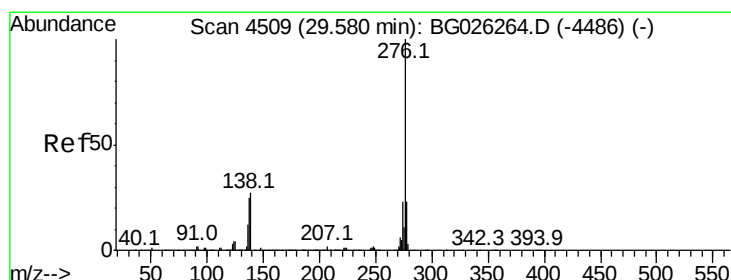
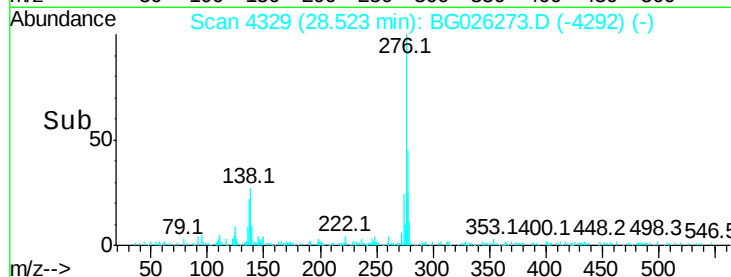
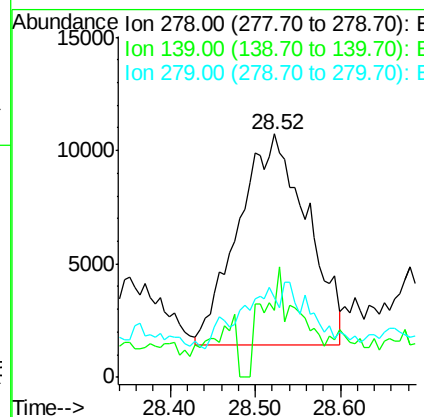
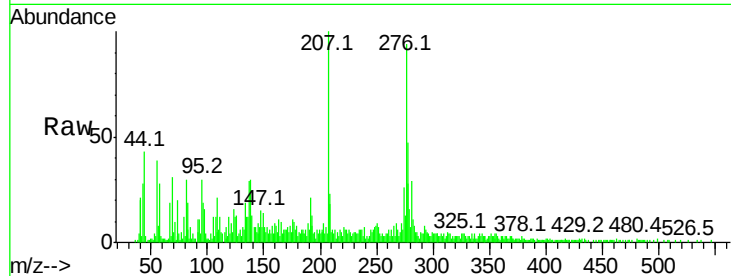
#28
Dibenzo(a,h)anthracene
Concen: 1.88 ng/ul m
RT: 28.52 min Scan# 4329
Delta R.T. 0.02 min
Lab File: BG026273.D
Acq: 16 Mar 2017 17:14

Instrument :
BNA_G
ClientSampleId :
DABH7DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.6	12.2	18.4#
279	32.9	19.2	28.8#

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#29
Benzo(g,h,i)perylene
Concen: 5.90 ng/ul m
RT: 29.62 min Scan# 4515
Delta R.T. 0.04 min
Lab File: BG026273.D
Acq: 16 Mar 2017 17:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.3	15.3	22.9#
277	27.2	19.0	28.4

