

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
 Data File : BG026225.D
 Acq On : 14 Mar 2017 23:44
 Operator : SJ/MA
 Sample : I2217-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB2W9

Manual Integrations
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3/16/2017 10:53:37 AM

Quant Time: Mar 15 17:53:42 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	80871	20.00	ng/ul	-0.02
2) Naphthalene-d8	10.86	136	406510	20.00	ng/ul	-0.01
6) Acenaphthene-d10	14.66	164	244758	20.00	ng/ul	-0.01
12) Phenanthrene-d10	17.39	188	560307	20.00	ng/ul	-0.01
18) Chrysene-d12	21.64	240	574457	20.00	ng/ul	-0.01
23) Perylene-d12	24.83	264	558269	20.00	ng/ul	-0.02
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.49	165	421	0.07	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	269103	12.90	ng/ul	-0.01
10) Fluorene-d10	15.65	176	200485	13.17	ng/ul	-0.01
15) Anthracene-d10	17.49	188	287214	11.53	ng/ul	-0.01
19) Pyrene-d10	19.77	212	334218	11.40	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.60	264	298818	12.41	ng/ul	-0.03
Target Compounds				Qvalue		
9) Acenaphthene	14.72	153	24297	1.61	ng/ul	93
11) Fluorene	15.71	166	30850	1.81	ng/ul	96
14) Phenanthrene	17.43	178	549380	18.50	ng/ul	100
16) Anthracene	17.53	178	111004	3.70	ng/ul	98
17) Fluoranthene	19.44	202	886297	28.75	ng/ul	99
20) Pyrene	19.79	202	787314	21.53	ng/ul	100
21) Benzo(a)anthracene	21.62	228	468308	14.65	ng/ul	98
22) Chrysene	21.68	228	424879	14.24	ng/ul	99
24) Benzo(b)fluoranthene	23.82	252	599306	18.91	ng/ul	97
25) Benzo(k)fluoranthene	23.87	252	163029m	5.39	ng/ul	
27) Benzo(a)pyrene	24.68	252	391272	13.29	ng/ul#	97
28) Indeno(1,2,3-cd)pyrene	28.44	276	241821	7.44	ng/ul#	94
29) Dibenzo(a,h)anthracene	28.48	278	71750m	2.78	ng/ul	
30) Benzo(g,h,i)perylene	29.58	276	224564	8.07	ng/ul	96

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

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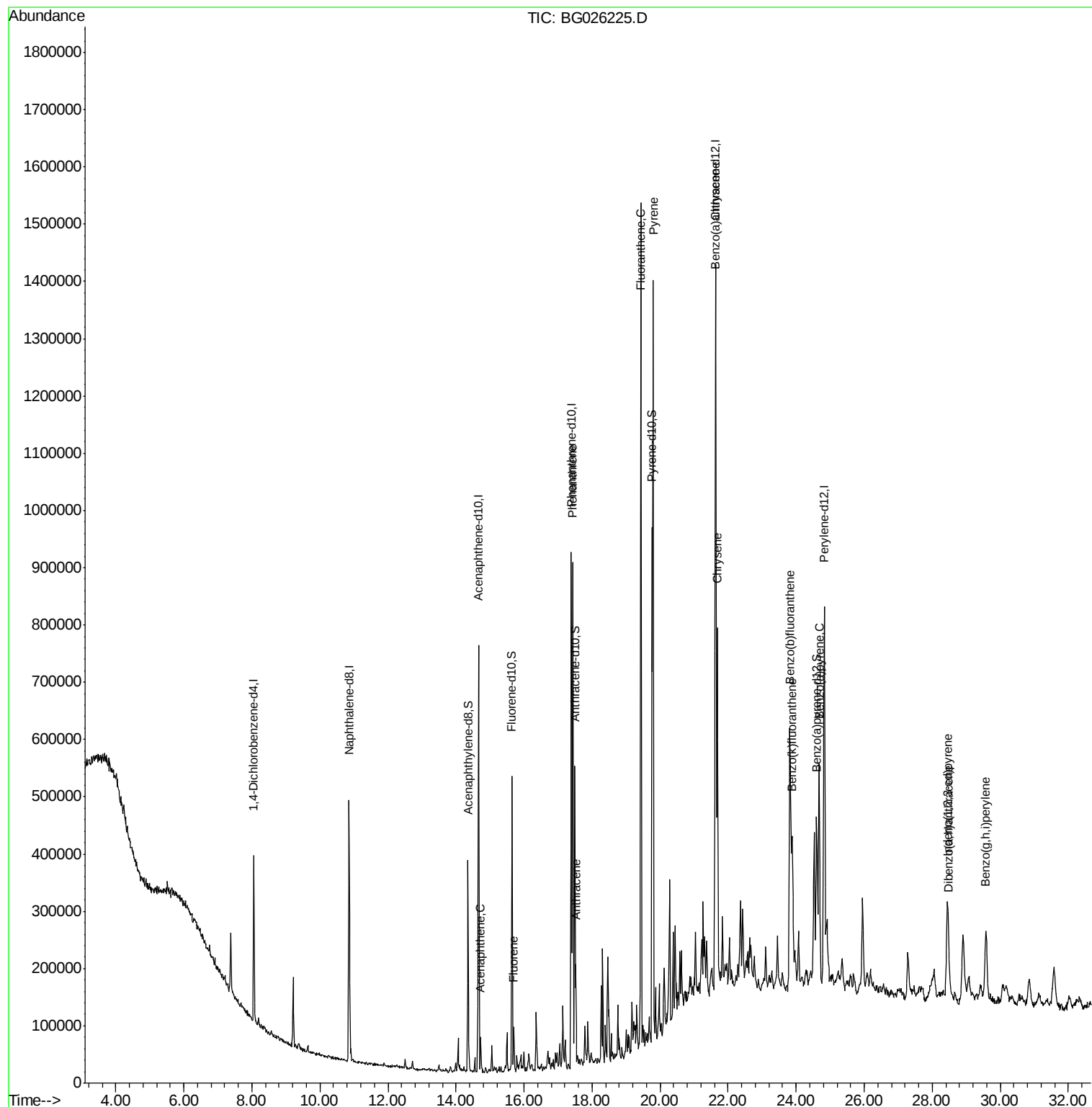
Instrument :
BNA_G
ClientSampleId :
CB2W9

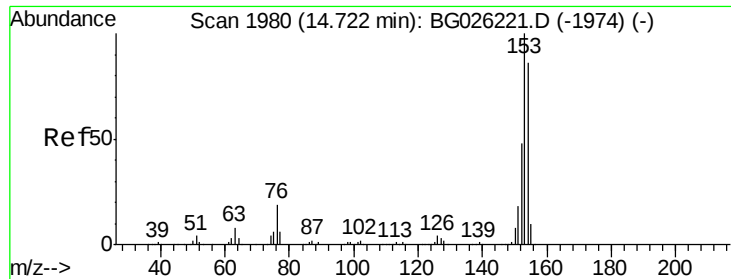
Quant Time: Mar 15 17:53:42 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
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#9

Acenaphthene

Concen: 1.61 ng/ul

RT: 14.72 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BG026225.D

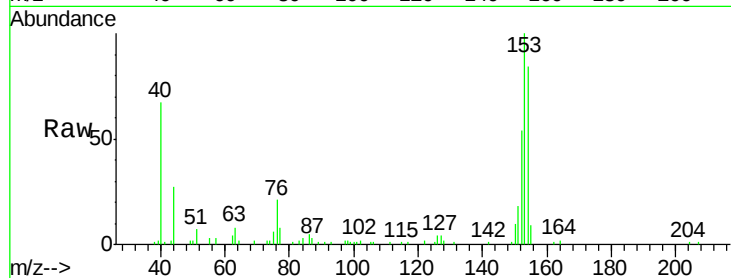
Acq: 14 Mar 2017 23:44

Instrument :

BNA_G

ClientSampleId :

CB2W9



Tgt Ion:153 Resp: 24297

Ion Ratio Lower Upper

153 100

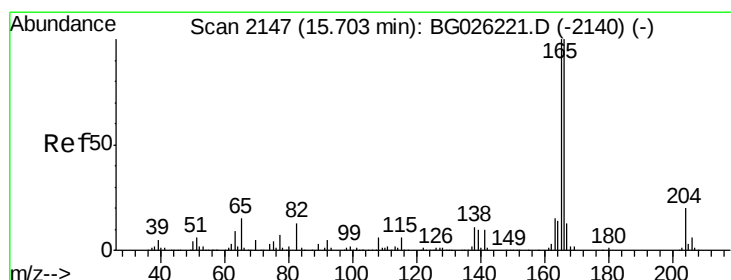
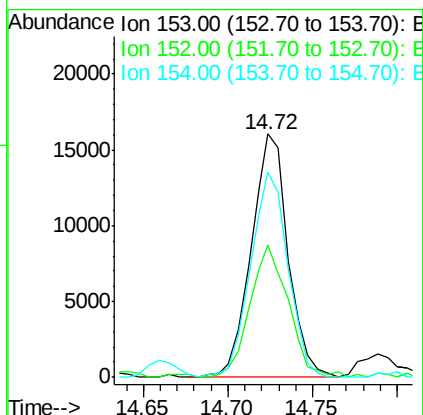
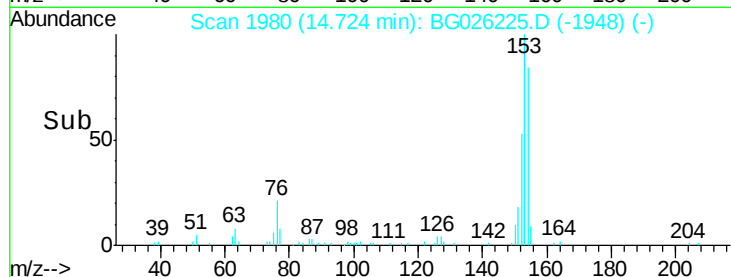
152 54.1 37.9 56.9

154 84.4 71.6 107.4

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#11

Fluorene

Concen: 1.81 ng/ul

RT: 15.71 min Scan# 2147

Delta R.T. -0.01 min

Lab File: BG026225.D

Acq: 14 Mar 2017 23:44

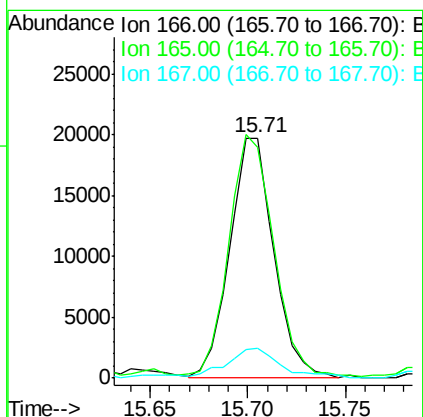
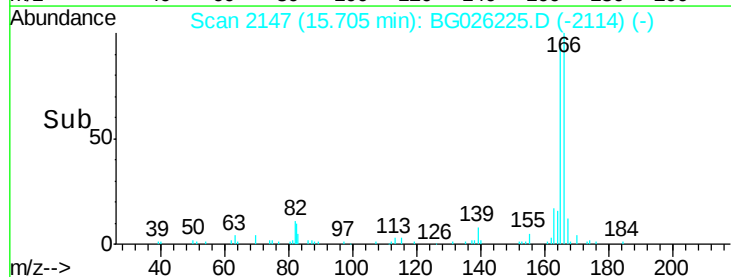
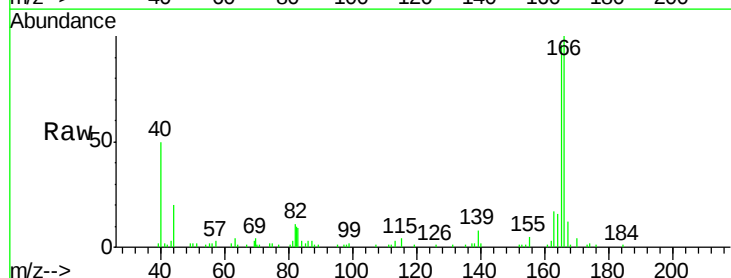
Tgt Ion:166 Resp: 30850

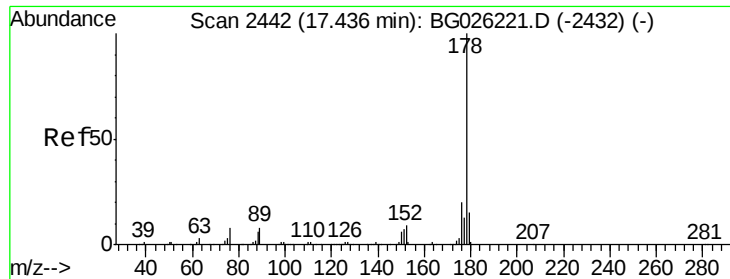
Ion Ratio Lower Upper

166 100

165 96.3 80.0 120.0

167 12.4 11.6 17.4





#14
Phenanthrene
Concen: 18.50 ng/ul
RT: 17.43 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BG026225.D
Acq: 14 Mar 2017 23:44

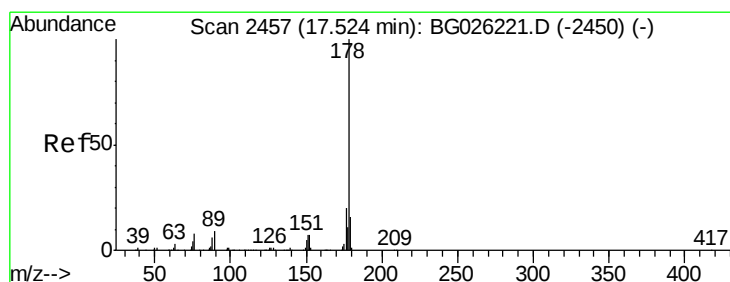
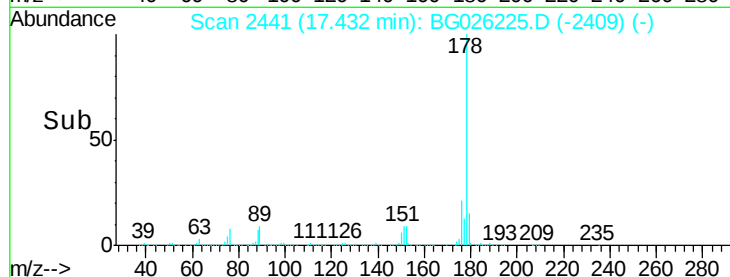
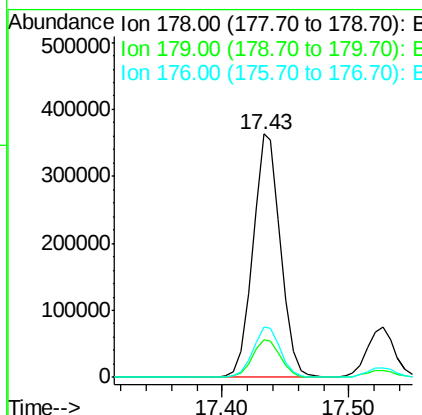
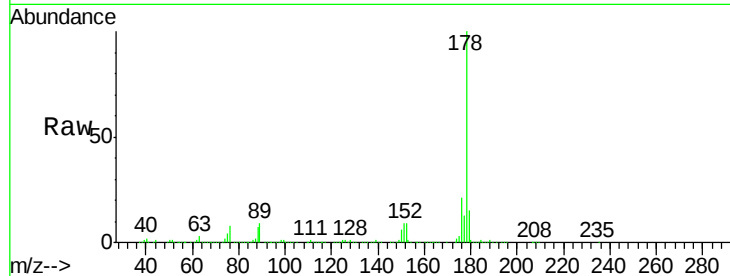
Instrument :
BNA_G
ClientSampleId :
CB2W9

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.4
176	20.6	16.4	24.6

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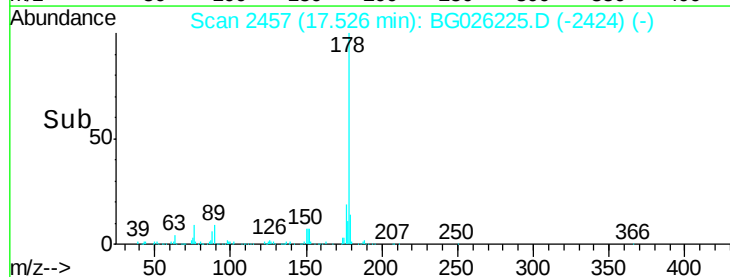
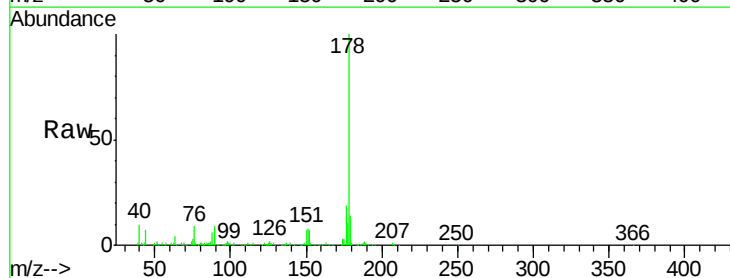
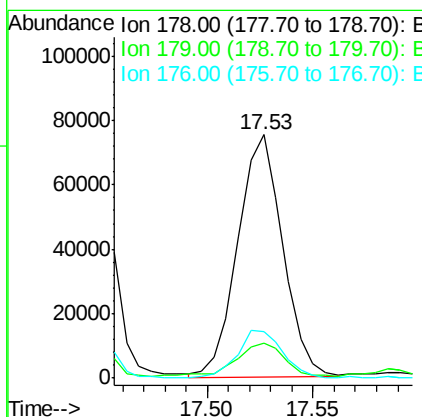
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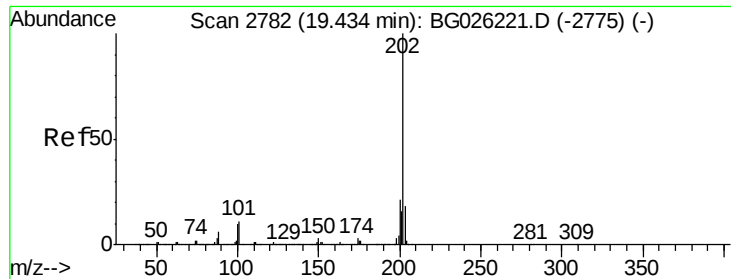
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#16
Anthracene
Concen: 3.70 ng/ul
RT: 17.53 min Scan# 2457
Delta R.T. -0.01 min
Lab File: BG026225.D
Acq: 14 Mar 2017 23:44

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.3	12.7	19.1
176	19.2	15.8	23.8





#17
Fluoranthene
 Concen: 28.75 ng/ul
 RT: 19.44 min Scan# 2782
 Delta R.T. -0.01 min
 Lab File: BG026225.D
 Acq: 14 Mar 2017 23:44

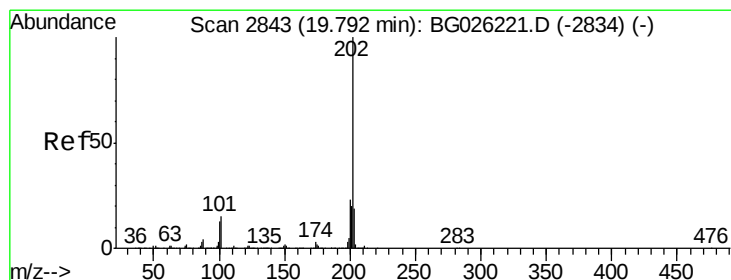
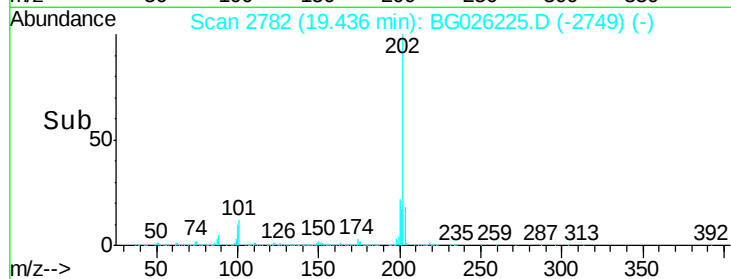
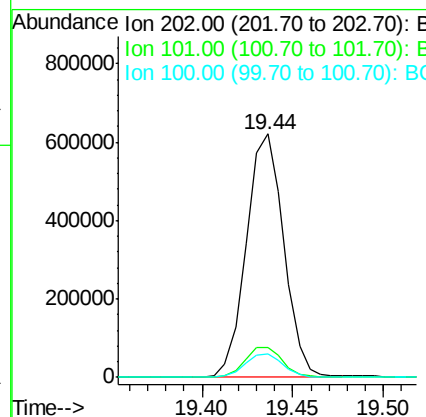
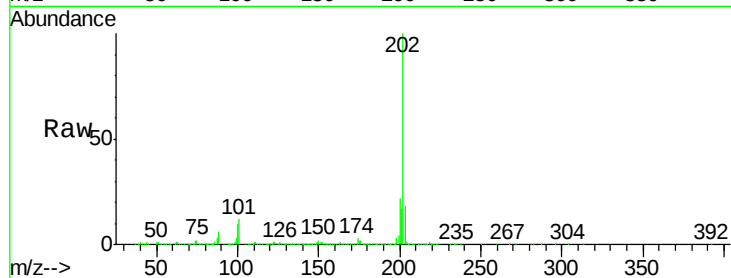
Instrument :
 BNA_G
 ClientSampleId :
 CB2W9

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.2	9.8	14.8
100	9.8	7.5	11.3

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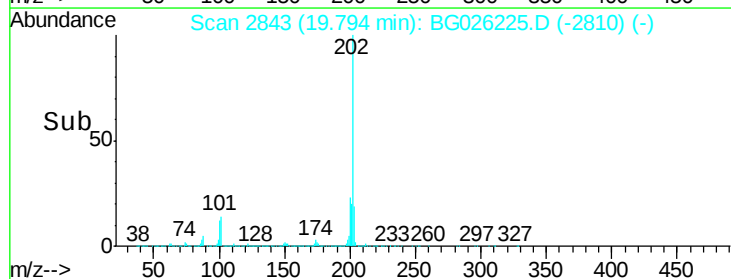
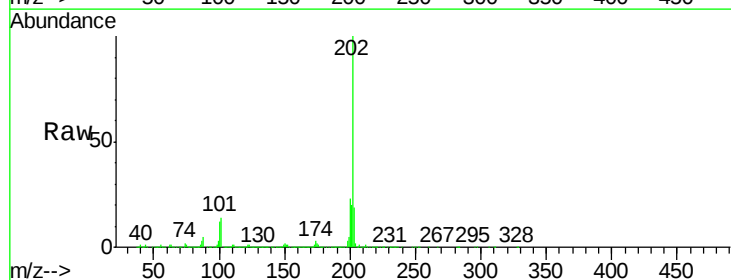
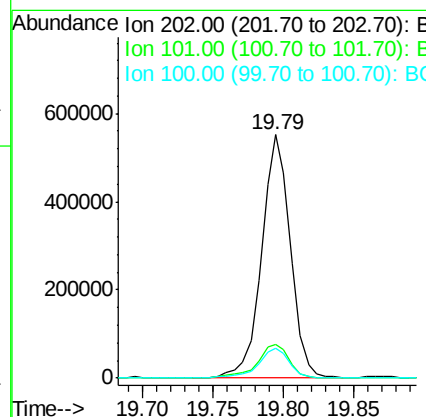
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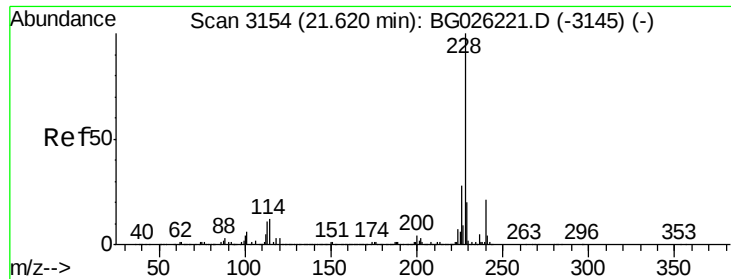
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#20
Pyrene
 Concen: 21.53 ng/ul
 RT: 19.79 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BG026225.D
 Acq: 14 Mar 2017 23:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.9	11.2	16.8
100	12.4	9.8	14.6





#21
Benzo(a)anthracene
Concen: 14.65 ng/ul
RT: 21.62 min Scan# 3154
Delta R.T. -0.01 min
Lab File: BG026225.D
Acq: 14 Mar 2017 23:44

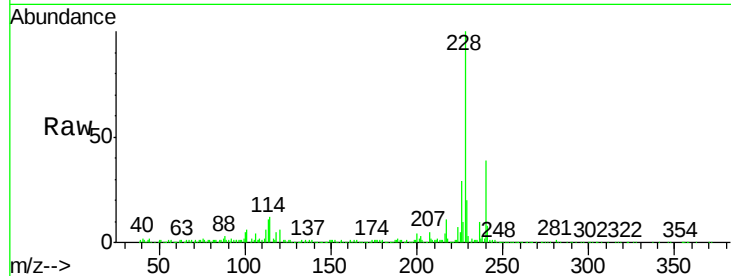
Instrument :
BNA_G
ClientSampleId :
CB2W9

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.9	23.9
226	28.5	22.1	33.1

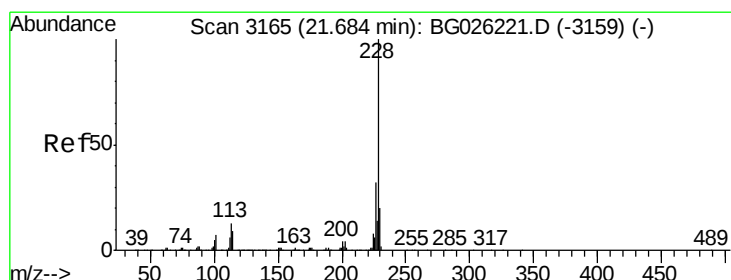
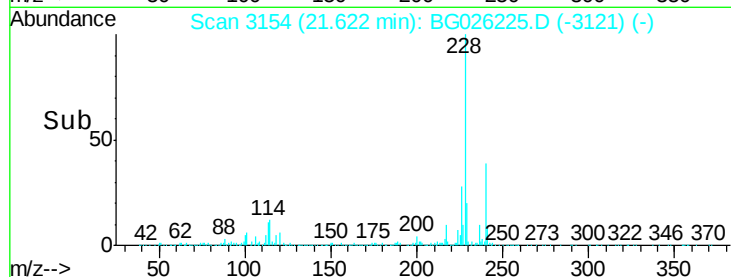
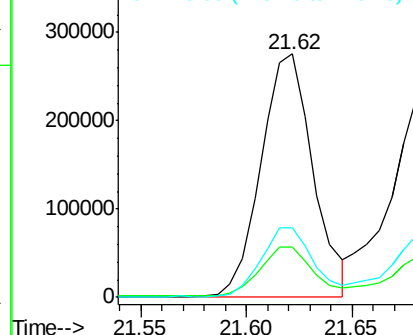
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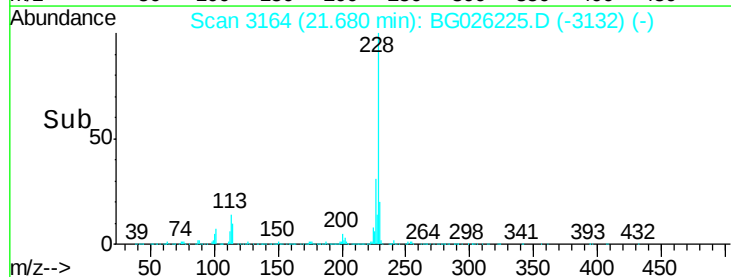
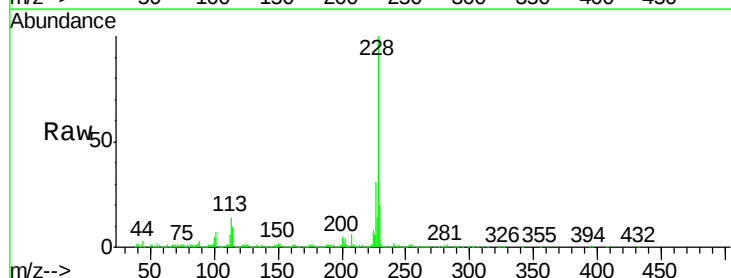
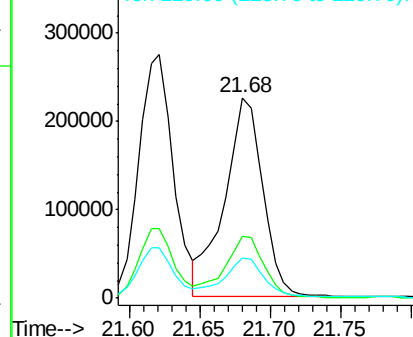
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

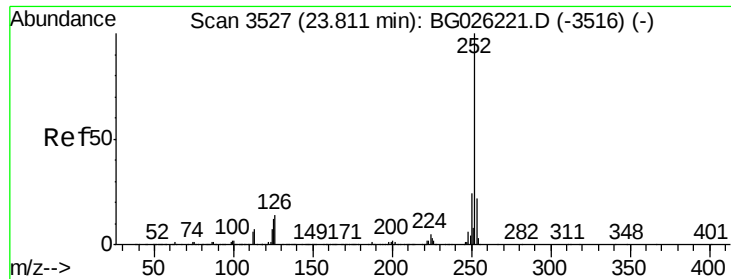


#22
Chrysene
Concen: 14.24 ng/ul
RT: 21.68 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BG026225.D
Acq: 14 Mar 2017 23:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	19.9	16.6	25.0

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 18.91 ng/ul

RT: 23.82 min Scan# 3528

Delta R.T. -0.01 min

Lab File: BG026225.D

Acq: 14 Mar 2017 23:44

Instrument :

BNA_G

ClientSampled :

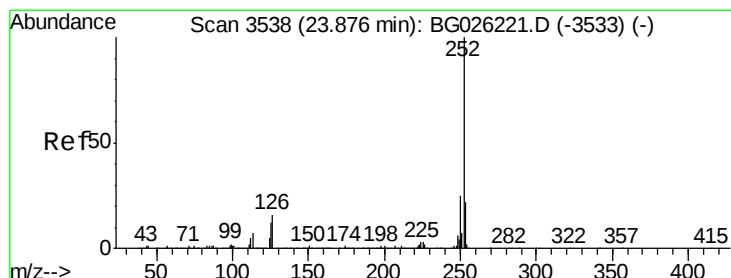
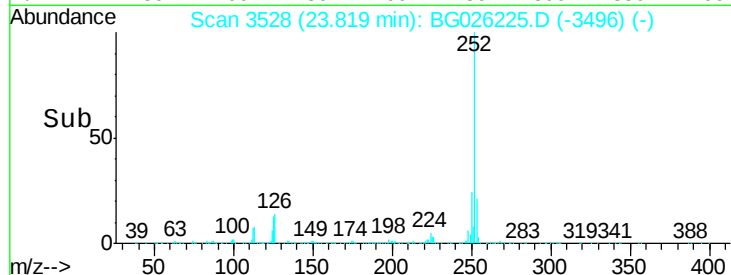
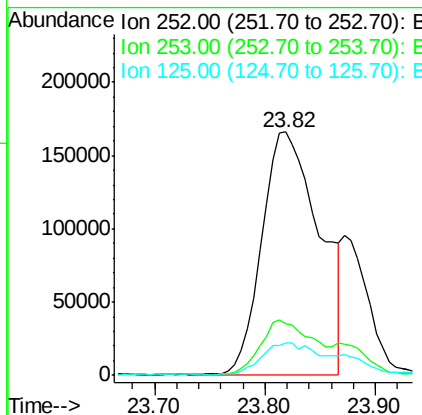
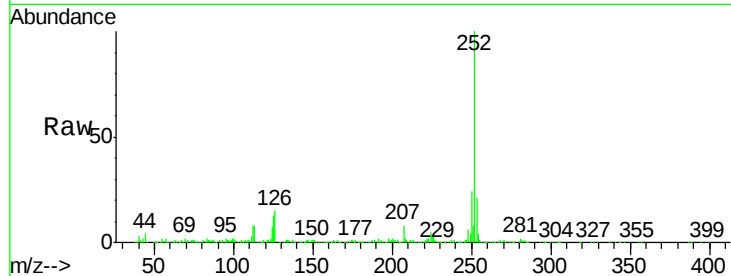
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Tgt Ion:	252	Resp:	599306
Ion Ratio	Lower	Upper	
252	100		
253	21.0	17.8	26.6
125	13.4	9.4	14.0

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#25

Benzo(k)fluoranthene

Concen: 5.39 ng/ul m

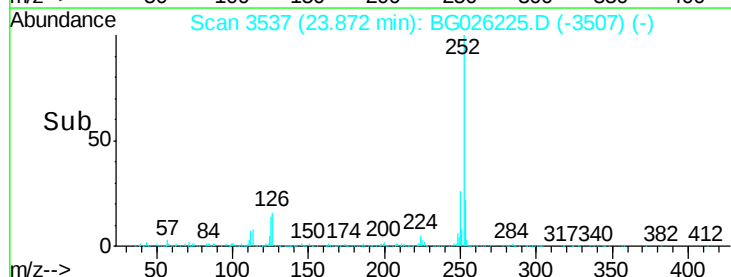
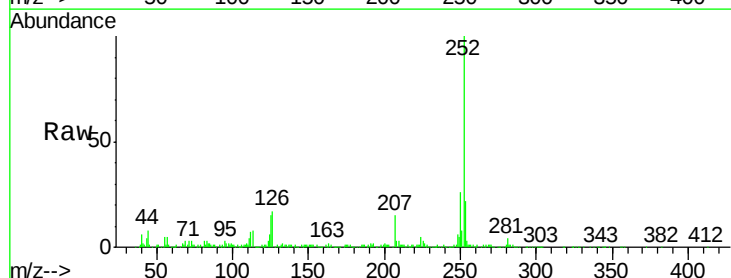
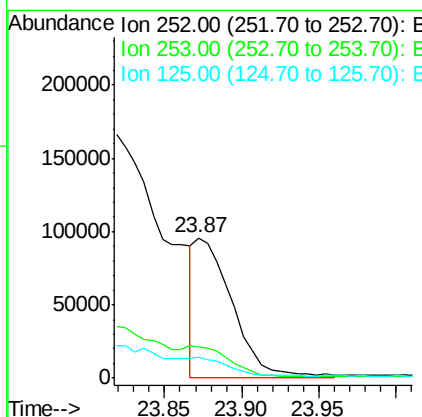
RT: 23.87 min Scan# 3537

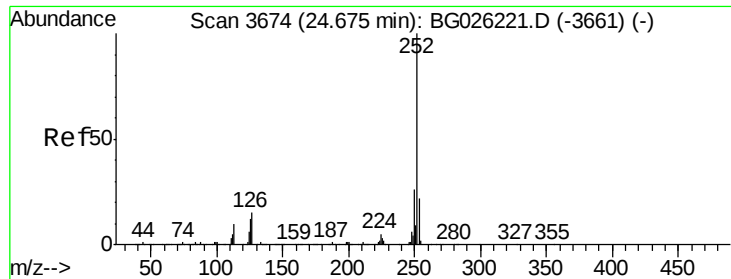
Delta R.T. -0.03 min

Lab File: BG026225.D

Acq: 14 Mar 2017 23:44

Tgt Ion:	252	Resp:	163029
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.4	26.2
125	15.0	8.8	13.2#





#27

Benzo(a)pyrene

Concen: 13.29 ng/ul

RT: 24.68 min Scan# 3674

Delta R.T. -0.02 min

Lab File: BG026225.D

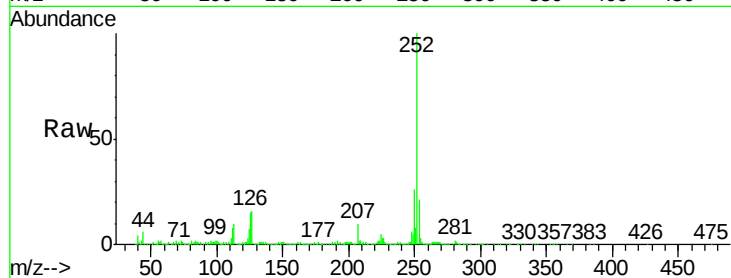
Acq: 14 Mar 2017 23:44

Instrument :

BNA_G

ClientSampleId :

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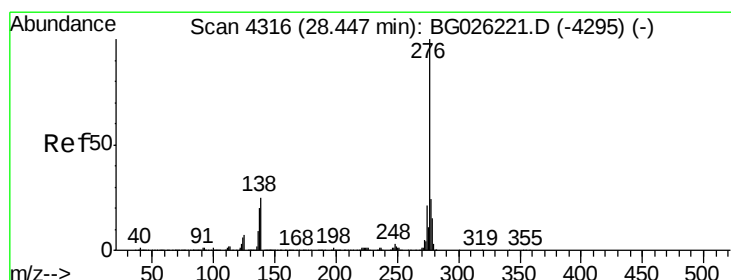
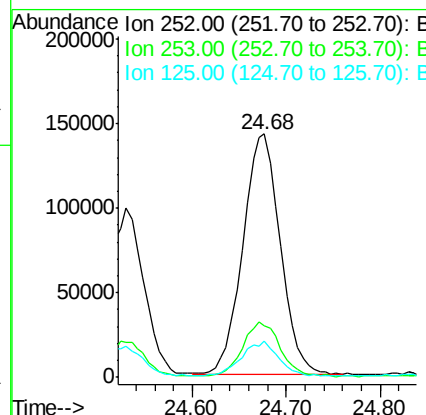
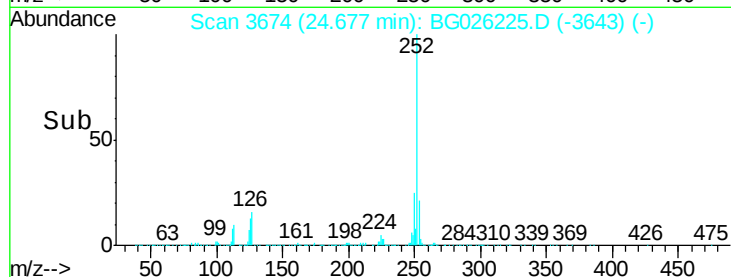


Tgt Ion	Ratio	Resp	Lower	Upper
252	100	391272		
253	21.5	17.1	25.7	
125	14.7	9.4	14.2	

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#28

Indeno(1,2,3-cd)pyrene

Concen: 7.44 ng/ul

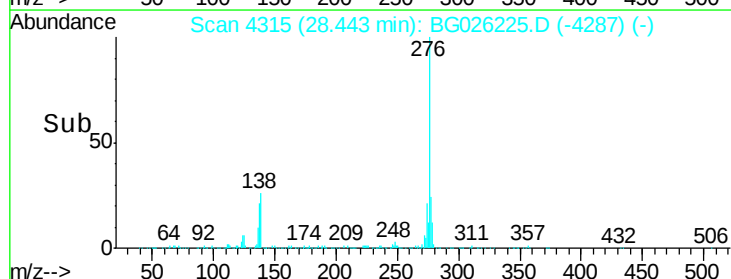
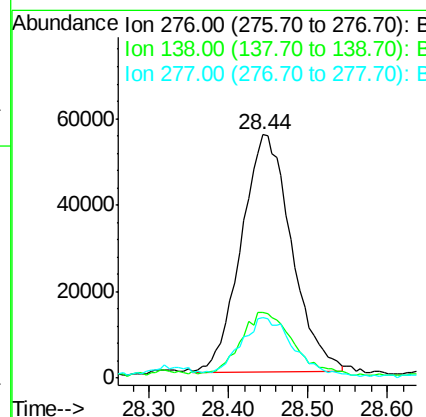
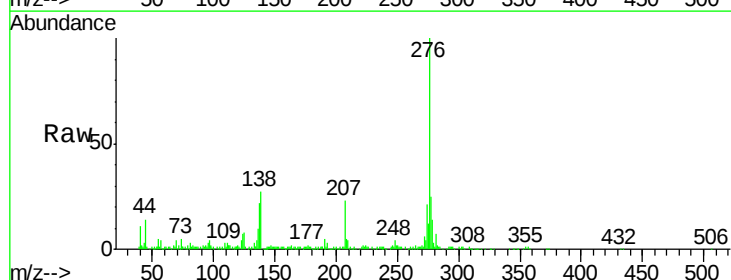
RT: 28.44 min Scan# 4315

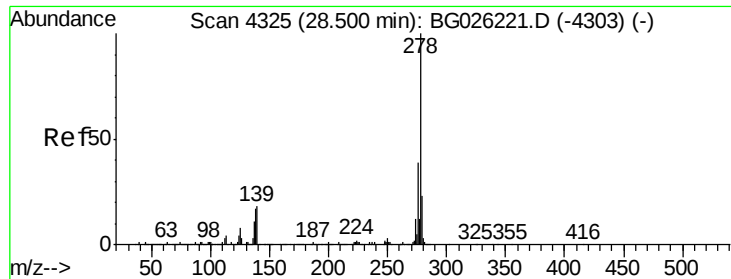
Delta R.T. -0.04 min

Lab File: BG026225.D

Acq: 14 Mar 2017 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	241821		
138	27.1	17.8	26.6	
277	25.1	19.4	29.0	





#29

Dibenzo(a,h)anthracene

Concen: 2.78 ng/ul m

RT: 28.48 min Scan# 4322

Delta R.T. -0.06 min

Lab File: BG026225.D

Acq: 14 Mar 2017 23:44

Instrument :

BNA_G

ClientSampleId :

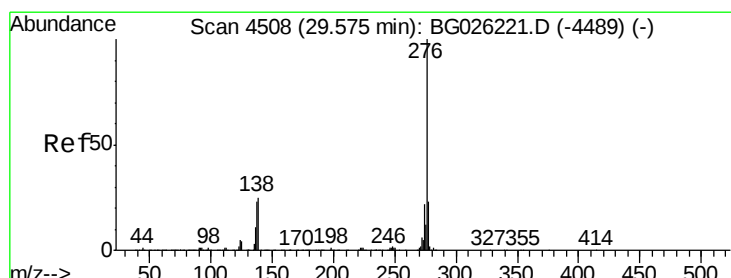
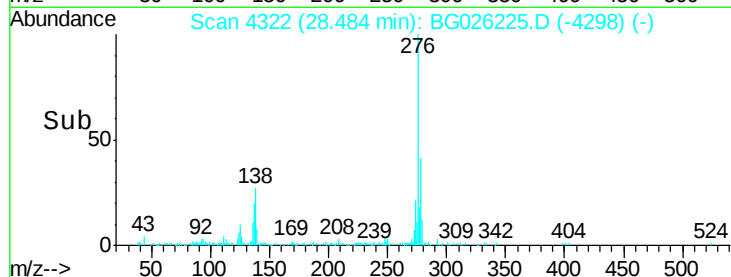
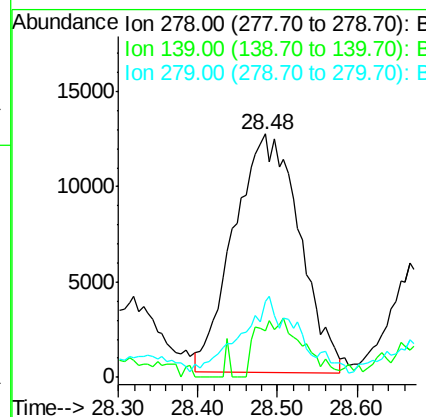
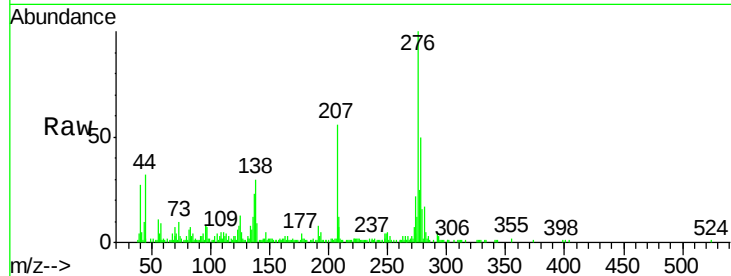
CB2W9

Tgt Ion:	278	Resp:	71750
Ion Ratio	Lower	Upper	
278	100		
139	18.9	14.0	21.0
279	31.2	20.6	31.0#

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#30

Benzo(g,h,i)perylene

Concen: 8.07 ng/ul

RT: 29.58 min Scan# 4508

Delta R.T. -0.03 min

Lab File: BG026225.D

Acq: 14 Mar 2017 23:44

Tgt Ion:	276	Resp:	224564
Ion Ratio	Lower	Upper	
276	100		
138	27.2	19.0	28.4
277	25.1	19.7	29.5

