

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031717\
 Data File : BG026310.D
 Acq On : 18 Mar 2017 9:43
 Operator : SJ/MA
 Sample : I2283-11
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB310

Manual Integrations
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Quant Time: Mar 20 03:41:25 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 20 03:22:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	170074	20.00	ng/ul	0.00
2) Naphthalene-d8	10.86	136	780082	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	421417	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	852426	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	851093	20.00	ng/ul	0.00
23) Perylene-d12	24.83	264	817776	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.47	165	119001	10.30	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	856117	23.83	ng/ul	0.00
10) Fluorene-d10	15.64	176	595280	22.71	ng/ul	0.00
15) Anthracene-d10	17.49	188	828443	21.87	ng/ul	0.00
19) Pyrene-d10	19.77	212	828080	19.07	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	762314	21.61	ng/ul	0.00
Target Compounds						
4) Naphthalene	10.90	128	161302	4.23	ng/ul	Qvalue 97
5) 2-Methylnaphthalene	12.50	142	87850	3.10	ng/ul	98
8) Acenaphthylene	14.39	152	39401m	1.07	ng/ul	
9) Acenaphthene	14.72	153	296436	11.43	ng/ul	95
11) Fluorene	15.70	166	319779	10.92	ng/ul	100
14) Phenanthrene	17.44	178	3518043m	77.88	ng/ul	
16) Anthracene	17.52	178	830559	18.20	ng/ul	98
17) Fluoranthene	19.44	202	3835846m	81.79	ng/ul	
20) Pyrene	19.80	202	3643045	67.23	ng/ul#	87
21) Benzo(a)anthracene	21.63	228	2132631	45.02	ng/ul	92
22) Chrysene	21.69	228	2095157	47.40	ng/ul	97
24) Benzo(b)fluoranthene	23.83	252	2518967	54.25	ng/ul	98
25) Benzo(k)fluoranthene	23.88	252	869504m	19.61	ng/ul	
27) Benzo(a)pyrene	24.69	252	1630949	37.80	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.46	276	880141	18.48	ng/ul	98
29) Dibenzo(a,h)anthracene	28.50	278	233891m	6.19	ng/ul	
30) Benzo(g,h,i)perylene	29.60	276	682662m	16.74	ng/ul	

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

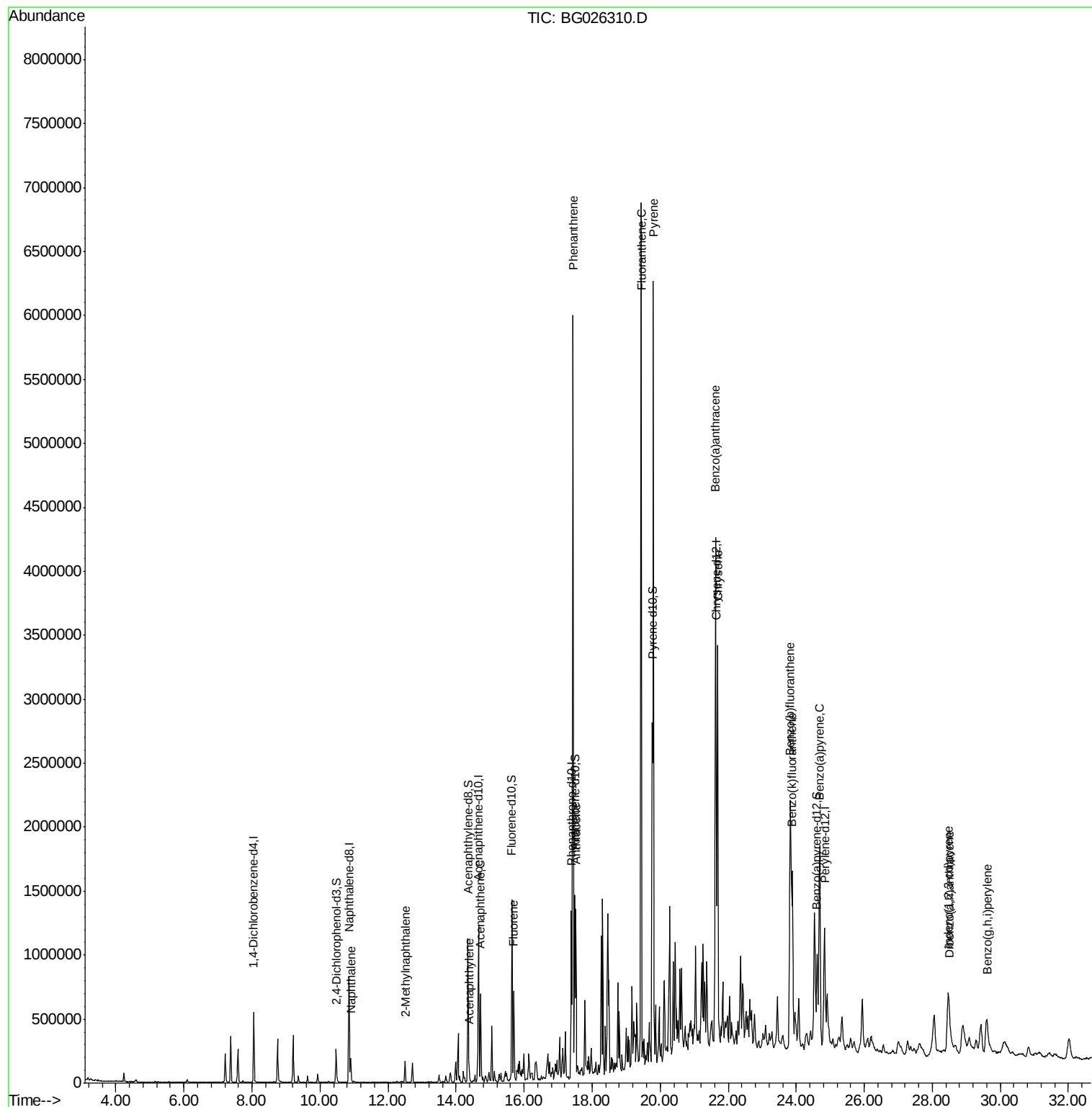
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031717\
Data File : BG026310.D
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ALS Vial : 33 Sample Multiplier: 1

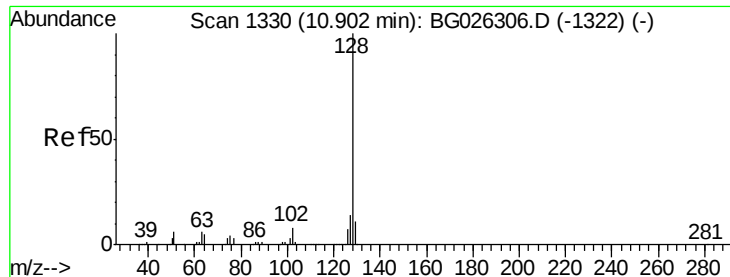
Instrument :
BNA_G
ClientSampleId :
CB310

Quant Time: Mar 20 03:41:25 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
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Response via : Initial Calibration

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#4

Naphthalene

Concen: 4.23 ng/ul

RT: 10.90 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BG026310.D

Acq: 18 Mar 2017 9:43

Instrument :

BNA_G

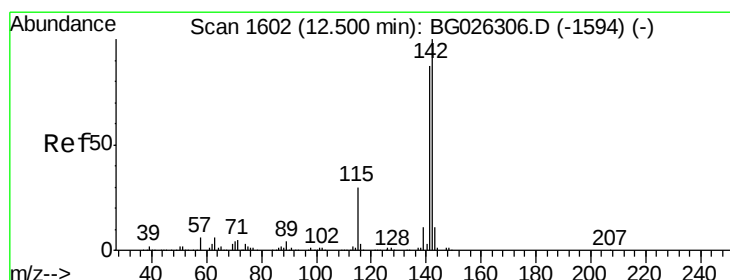
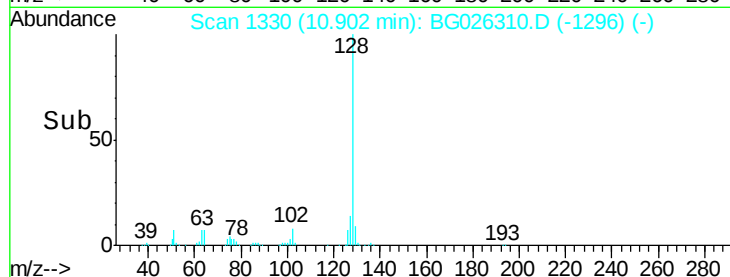
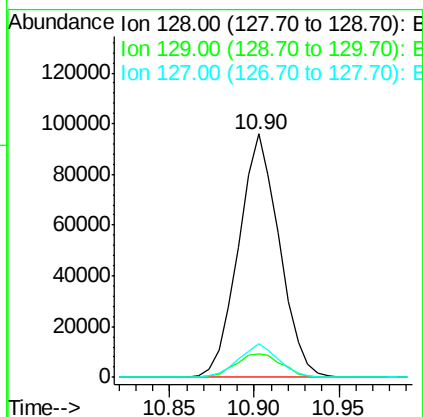
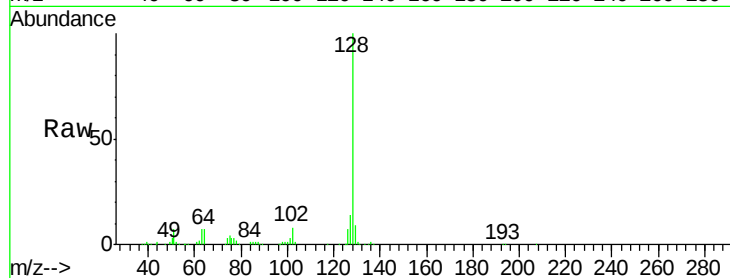
ClientSampleId :

CB310

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.5	9.1	13.7
127	13.9	10.6	15.8

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#5

2-Methylnaphthalene

Concen: 3.10 ng/ul

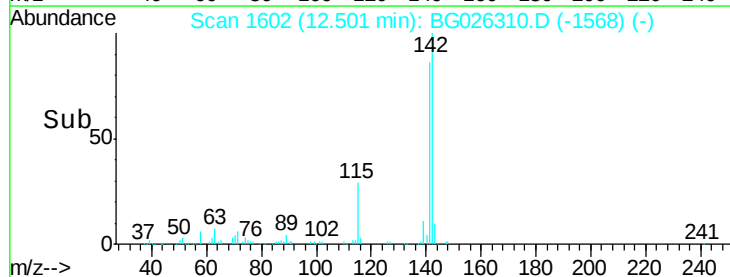
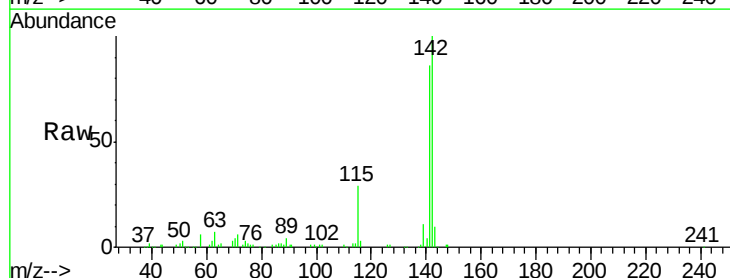
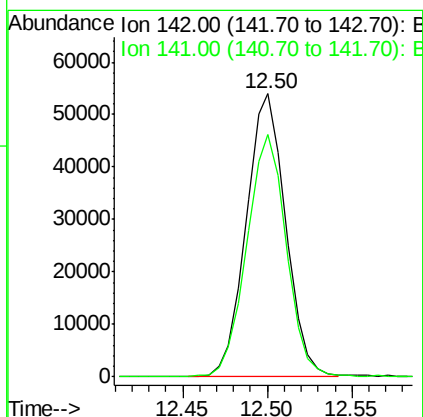
RT: 12.50 min Scan# 1602

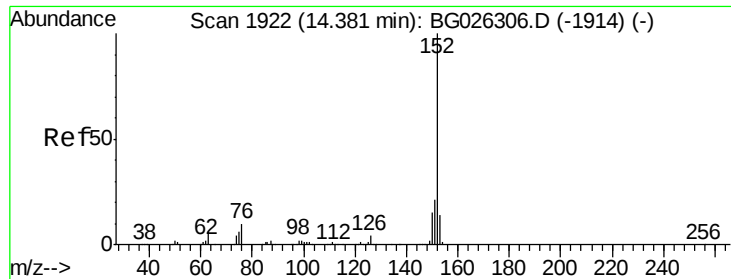
Delta R.T. 0.00 min

Lab File: BG026310.D

Acq: 18 Mar 2017 9:43

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.5	69.8	104.8





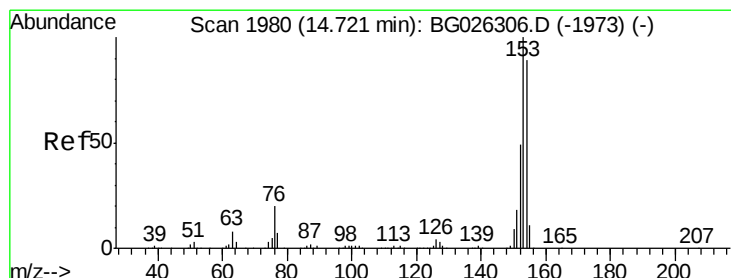
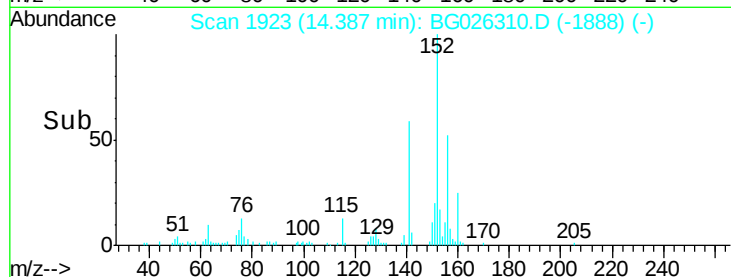
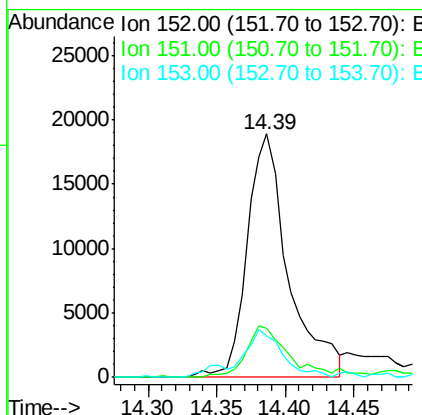
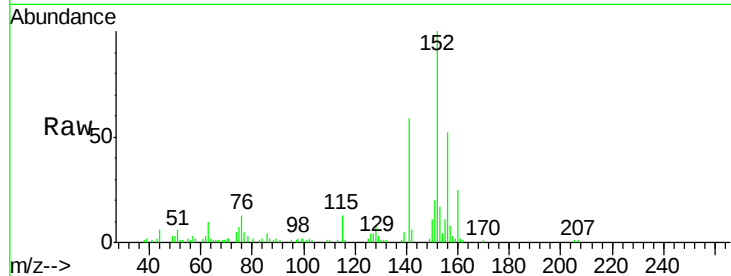
#8
Acenaphthylene
Concen: 1.07 ng/ul m
RT: 14.39 min Scan# 1923
Delta R.T. 0.01 min
Lab File: BG026310.D
Acq: 18 Mar 2017 9:43

Instrument :
BNA_G
ClientSampleId :
CB310

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	39401		
151	19.9	17.5	26.3	
153	17.1	10.6	16.0	

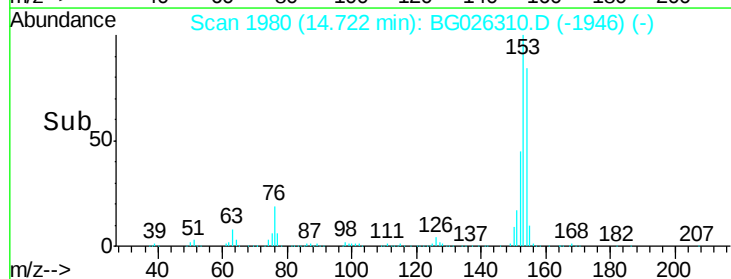
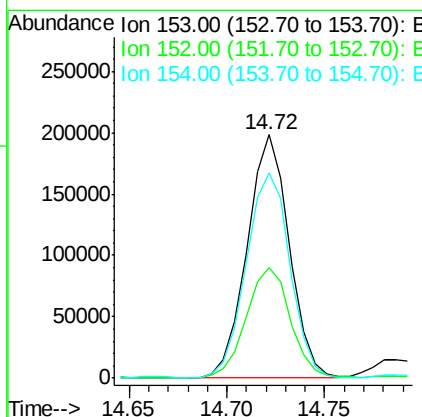
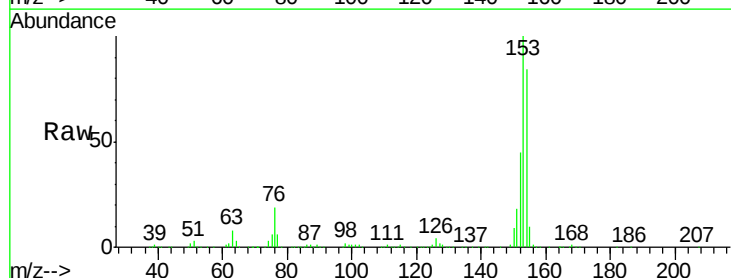
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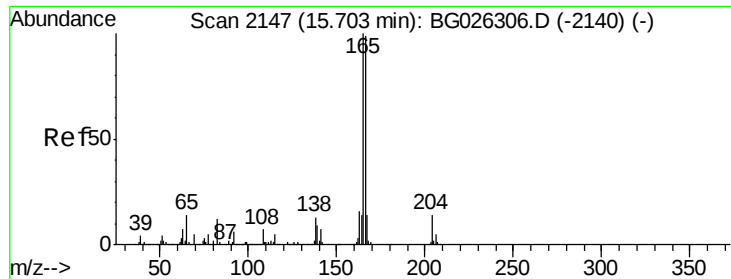
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#9
Acenaphthene
Concen: 11.43 ng/ul
RT: 14.72 min Scan# 1980
Delta R.T. 0.00 min
Lab File: BG026310.D
Acq: 18 Mar 2017 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	296436		
152	45.4	37.9	56.9	
154	84.3	71.6	107.4	





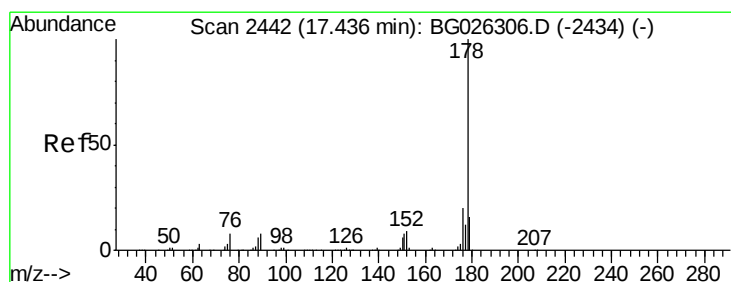
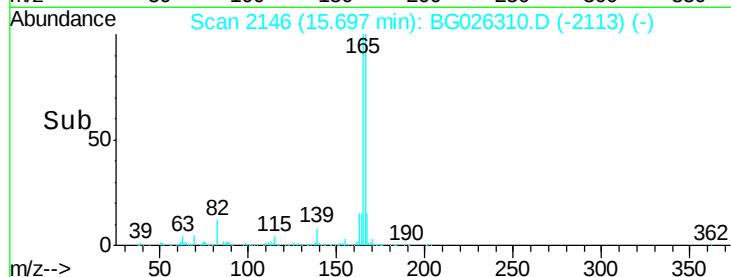
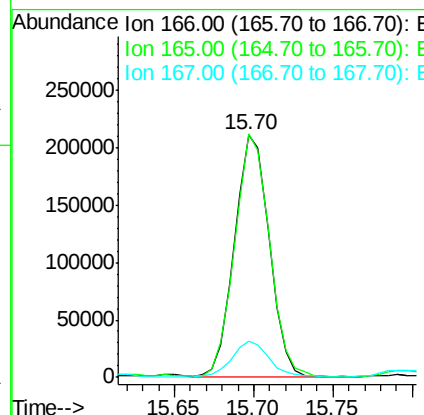
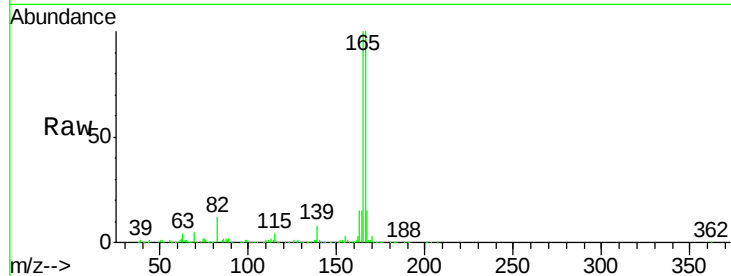
#11
Fluorene
 Concen: 10.92 ng/ul
 RT: 15.70 min Scan# 2146
 Delta R.T. -0.01 min
 Lab File: BG026310.D
 Acq: 18 Mar 2017 9:43

Instrument :
 BNA_G
 ClientSampled :
 CB310

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	319779		
165	100.4	80.0	120.0	
167	14.7	11.6	17.4	

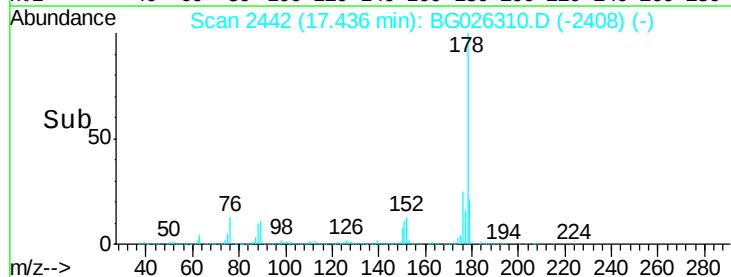
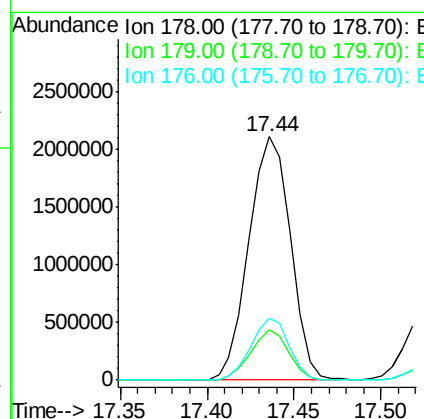
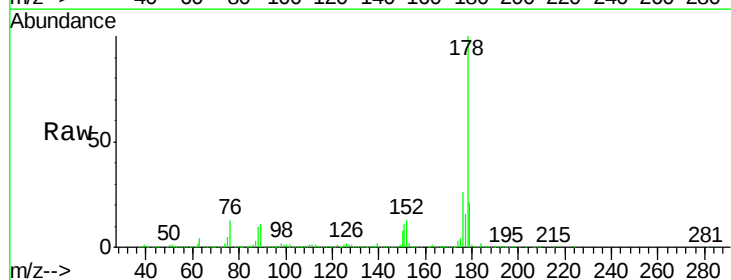
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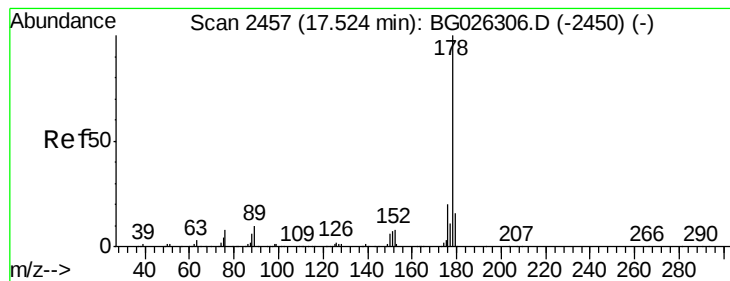
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#14
Phenanthrene
 Concen: 77.88 ng/ul m
 RT: 17.44 min Scan# 2442
 Delta R.T. 0.00 min
 Lab File: BG026310.D
 Acq: 18 Mar 2017 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	3518043		
179	20.5	12.2	18.4#	
176	25.5	16.4	24.6#	





#16

Anthracene

Concen: 18.20 ng/ul

RT: 17.52 min Scan# 2457

Delta R.T. 0.00 min

Lab File: BG026310.D

Acq: 18 Mar 2017 9:43

Instrument :

BNA_G

ClientSampleId :

CB310

Tgt Ion:178 Resp: 830559

Ion Ratio Lower Upper

178 100

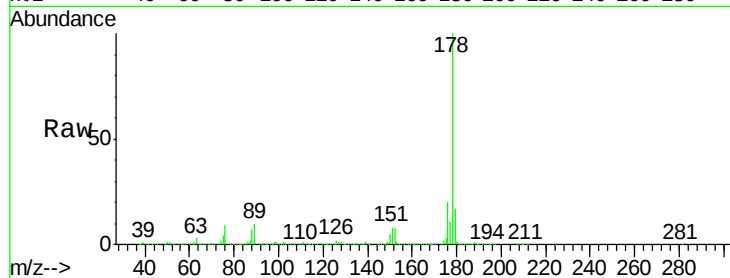
179 17.1 12.7 19.1

176 20.2 15.8 23.8

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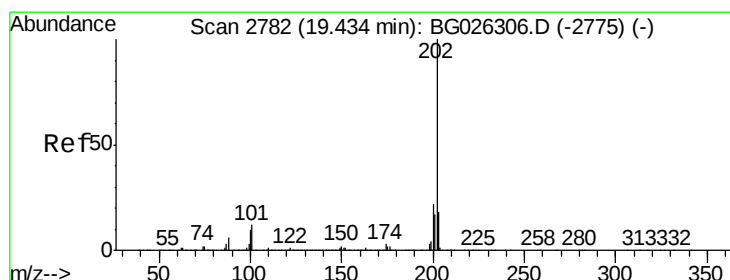
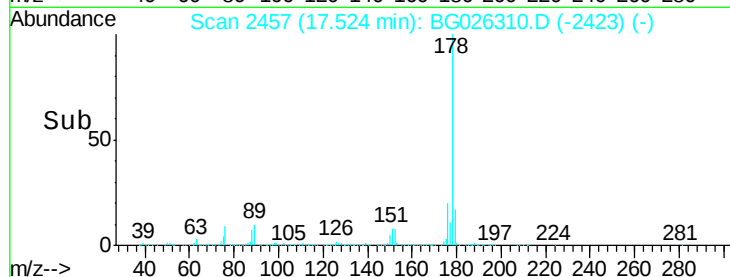
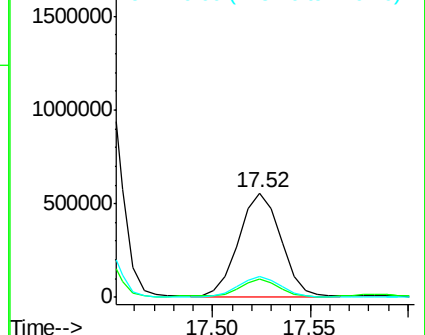
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#17

Fluoranthene

Concen: 81.79 ng/ul m

RT: 19.44 min Scan# 2783

Delta R.T. 0.01 min

Lab File: BG026310.D

Acq: 18 Mar 2017 9:43

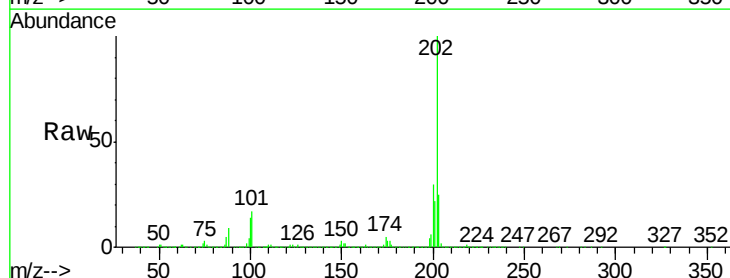
Tgt Ion:202 Resp: 3835846

Ion Ratio Lower Upper

202 100

101 17.4 9.8 14.8#

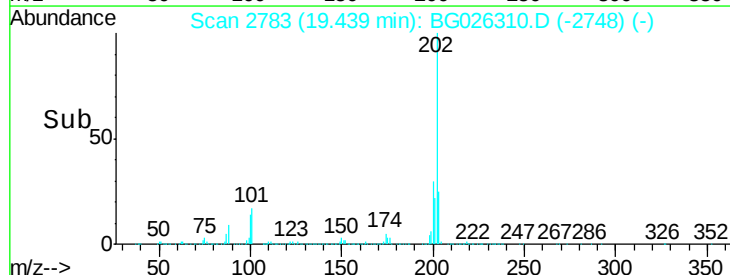
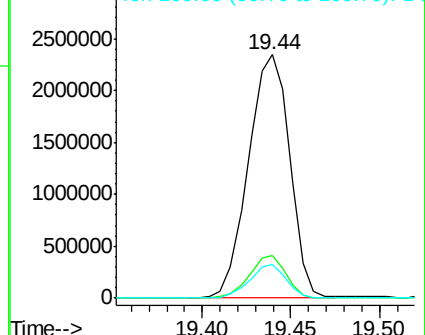
100 13.8 7.5 11.3#

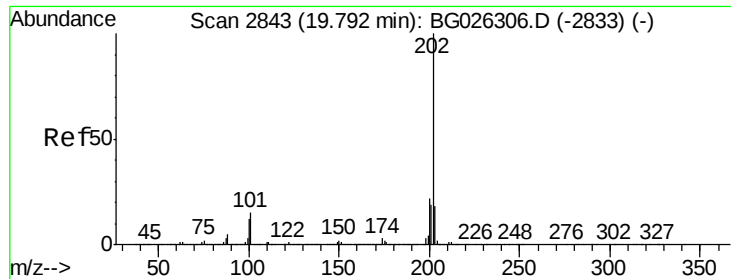


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





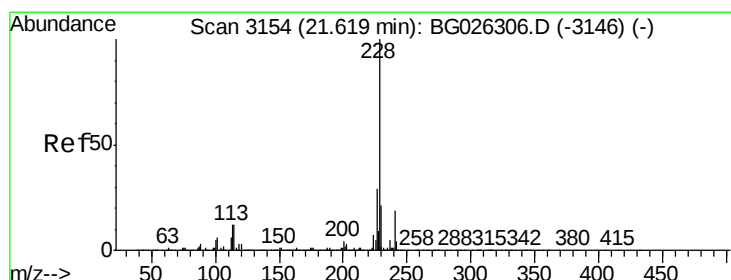
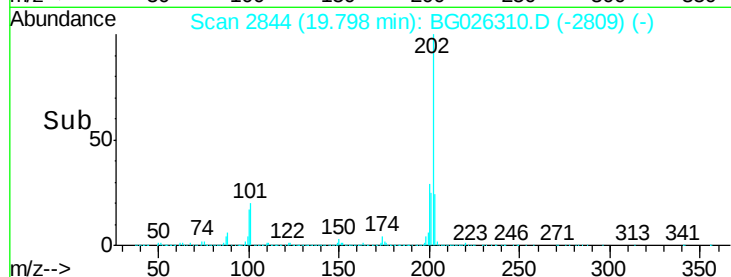
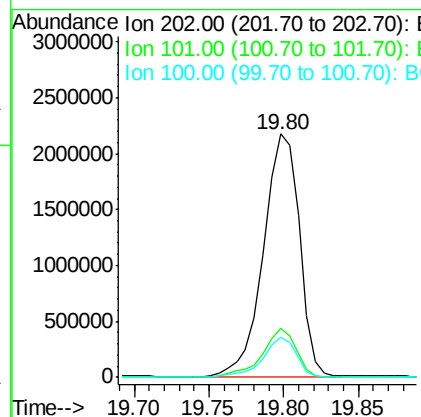
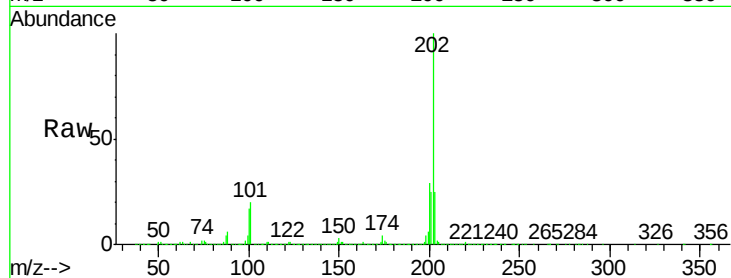
#20
 Pyrene
 Concen: 67.23 ng/ul
 RT: 19.80 min Scan# 2844
 Delta R.T. 0.01 min
 Lab File: BG026310.D
 Acq: 18 Mar 2017 9:43

Instrument :
 BNA_G
 ClientSampleID :
 CB310

Tgt Ion:202 Resp: 3643045
 Ion Ratio Lower Upper
 202 100
 101 19.9 11.2 16.8#
 100 16.6 9.8 14.6#

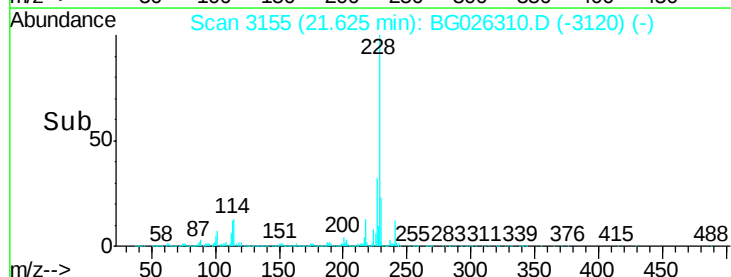
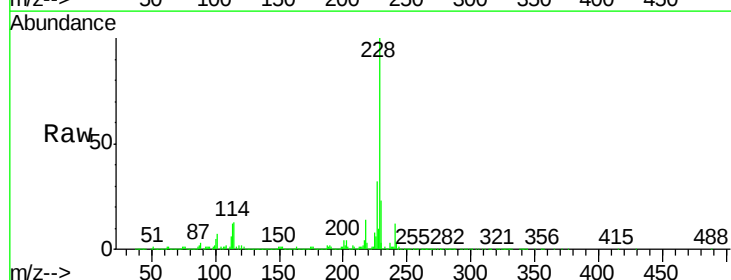
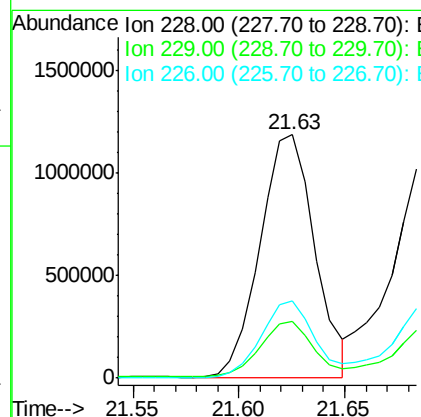
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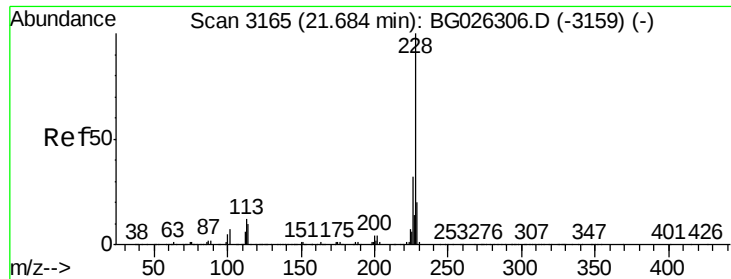
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#21
 Benzo(a)anthracene
 Concen: 45.02 ng/ul
 RT: 21.63 min Scan# 3155
 Delta R.T. 0.01 min
 Lab File: BG026310.D
 Acq: 18 Mar 2017 9:43

Tgt Ion:228 Resp: 2132631
 Ion Ratio Lower Upper
 228 100
 229 23.3 15.9 23.9
 226 31.9 22.1 33.1





#22

Chrysene

Concen: 47.40 ng/ul

RT: 21.69 min Scan# 3166

Delta R.T. 0.01 min

Lab File: BG026310.D

Acq: 18 Mar 2017 9:43

Instrument :

BNA_G

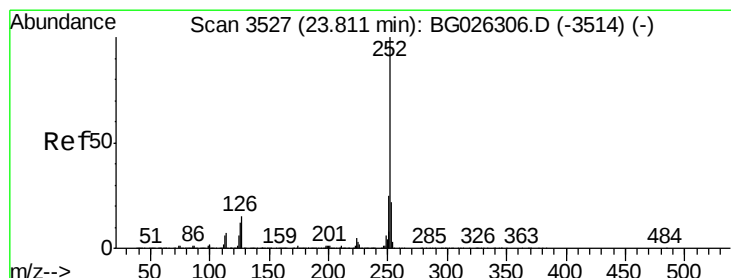
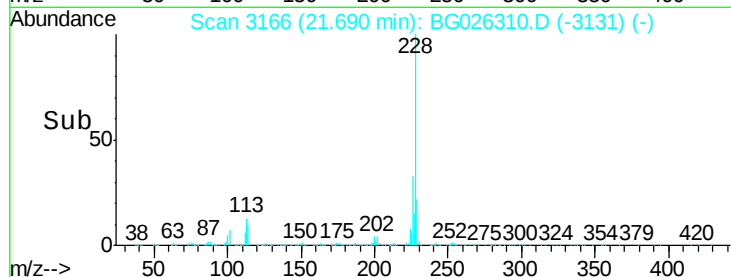
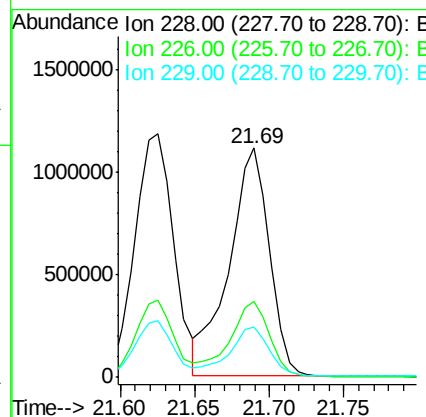
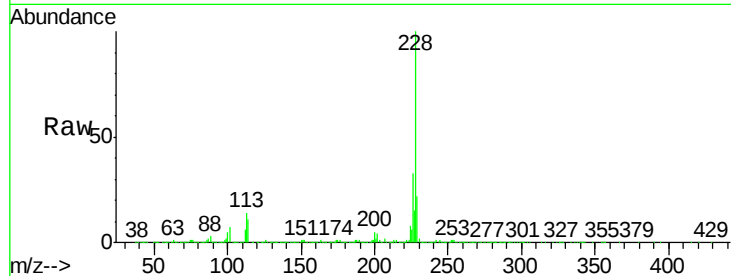
ClientSampleId :

CB310

Tgt Ion:	228	Resp:	2095157
Ion	Ratio	Lower	Upper
228	100		
226	33.2	25.0	37.6
229	22.2	16.6	25.0

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#24

Benzo(b)fluoranthene

Concen: 54.25 ng/ul

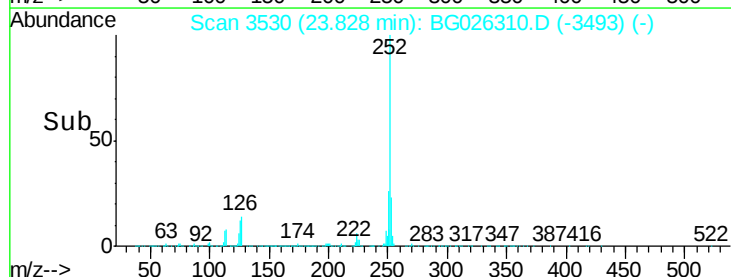
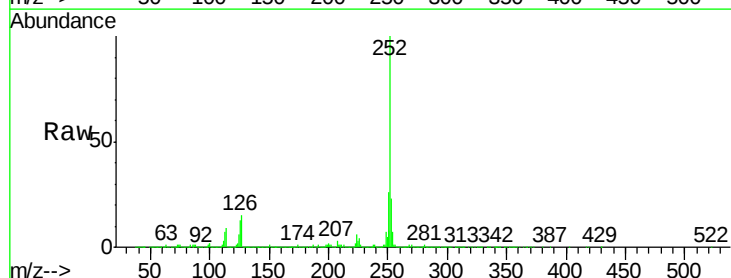
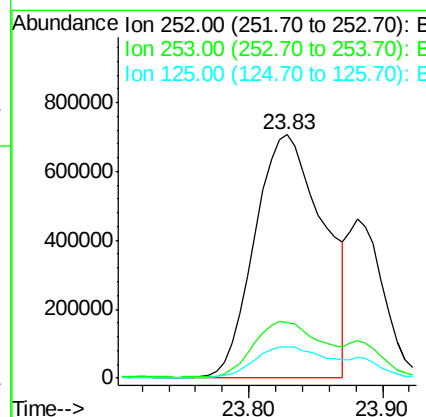
RT: 23.83 min Scan# 3530

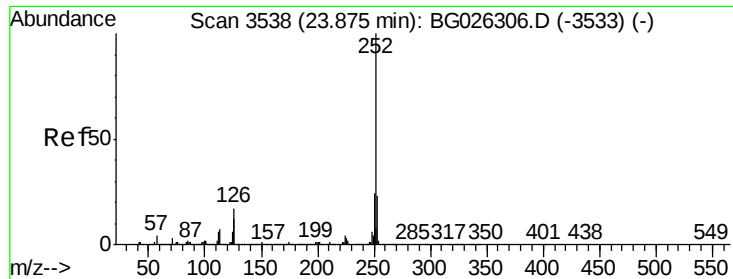
Delta R.T. 0.02 min

Lab File: BG026310.D

Acq: 18 Mar 2017 9:43

Tgt Ion:	252	Resp:	2518967
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	12.5	9.4	14.0





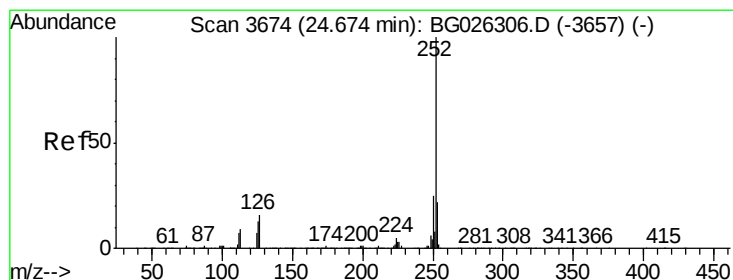
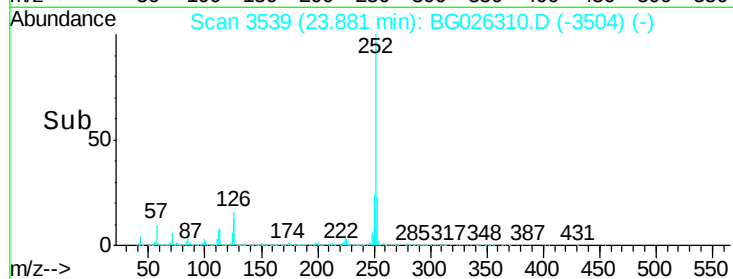
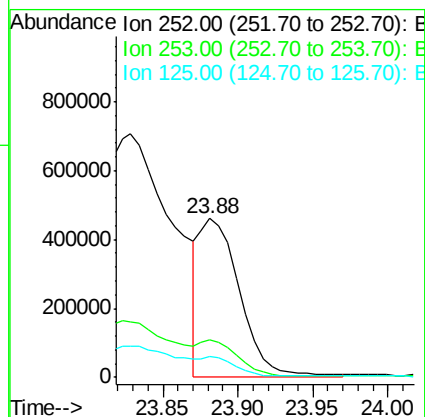
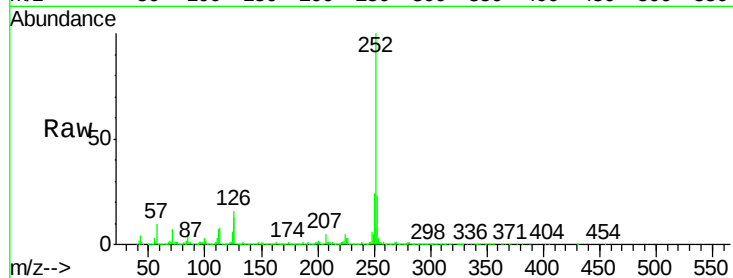
#25
Benzo(k)fluoranthene
Concen: 19.61 ng/ul m
RT: 23.88 min Scan# 3539
Delta R.T. 0.01 min
Lab File: BG026310.D
Acq: 18 Mar 2017 9:43

Instrument :
BNA_G
ClientSampleId :
CB310

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.2
125	12.9	8.8	13.2

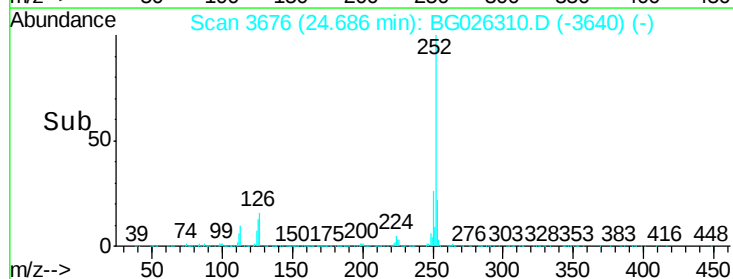
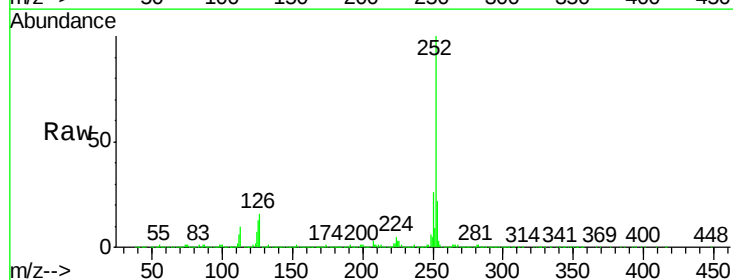
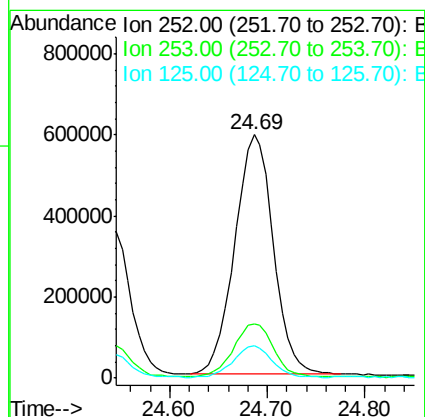
Manual Integrations
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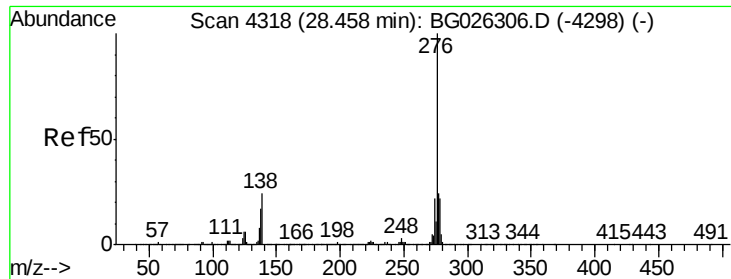
mohammad
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#27
Benzo(a)pyrene
Concen: 37.80 ng/ul
RT: 24.69 min Scan# 3676
Delta R.T. 0.01 min
Lab File: BG026310.D
Acq: 18 Mar 2017 9:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	13.1	9.4	14.2





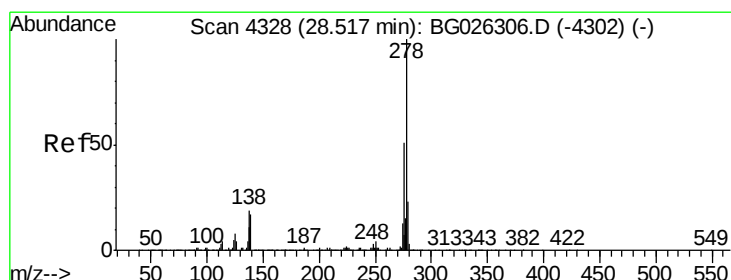
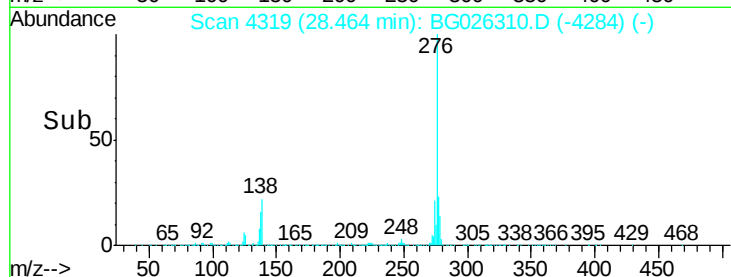
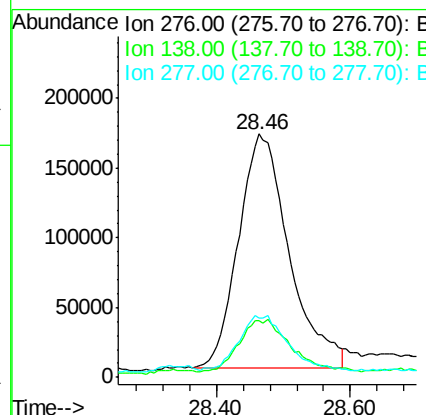
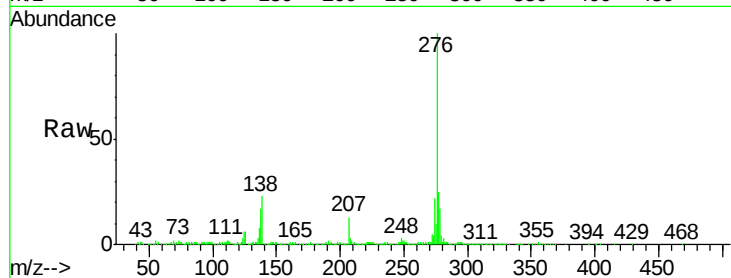
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 18.48 ng/ul
 RT: 28.46 min Scan# 4319
 Delta R.T. 0.01 min
 Lab File: BG026310.D
 Acq: 18 Mar 2017 9:43

Instrument :
 BNA_G
 ClientSampleId :
 CB310

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.5	17.8	26.6
277	24.6	19.4	29.0

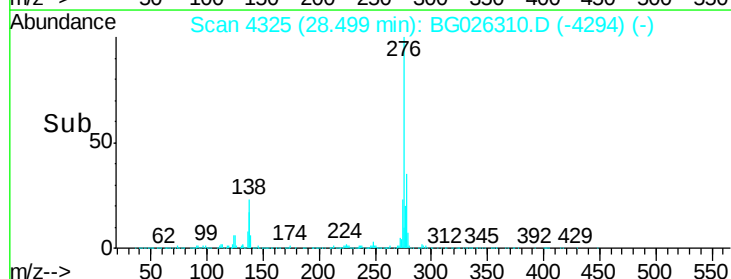
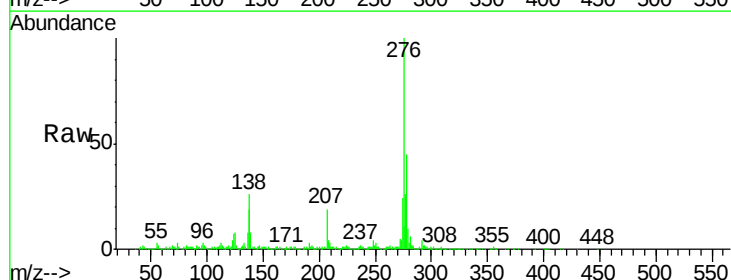
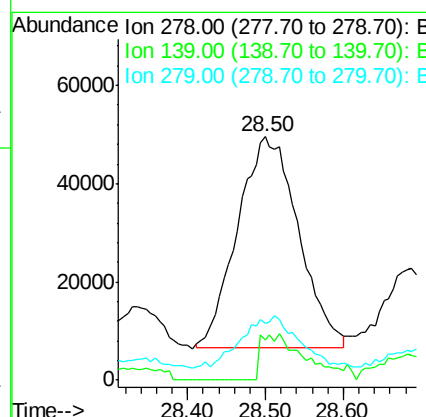
Manual Integrations
 APPROVED

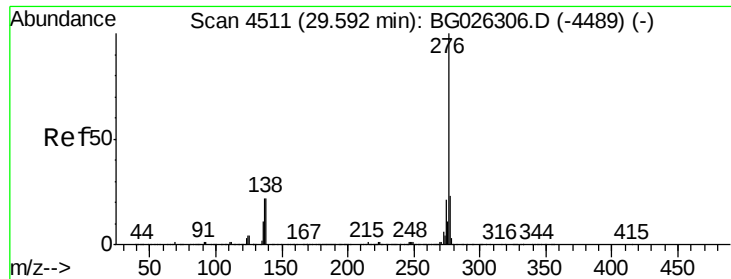
mohammad
 3/20/2017 12:55:40 PM



#29
 Dibenzo(a,h)anthracene
 Concen: 6.19 ng/ul m
 RT: 28.50 min Scan# 4325
 Delta R.T. -0.02 min
 Lab File: BG026310.D
 Acq: 18 Mar 2017 9:43

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.7	14.0	21.0
279	23.1	20.6	31.0





#30

Benzo(g,h,i)perylene

Concen: 16.74 ng/ul m

RT: 29.60 min Scan# 4513

Delta R.T. 0.01 min

Lab File: BG026310.D

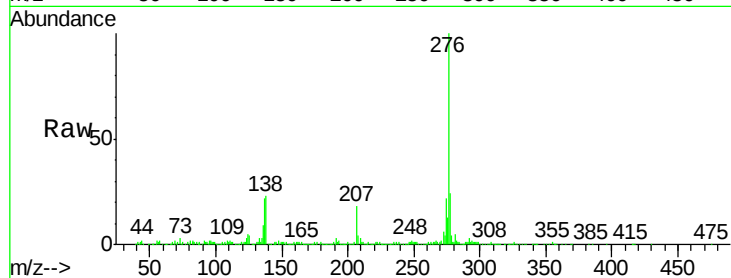
Acq: 18 Mar 2017 9:43

Instrument :

BNA_G

ClientSampleId :

CB310



Tgt Ion:	276	Resp:	682662
Ion Ratio		Lower	Upper
276	100		
138	23.4	19.0	28.4
277	24.5	19.7	29.5

Manual Integrations
APPROVED

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