

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052617\
 Data File : BG027146.D
 Acq On : 25 May 2017 2:42
 Operator : SJ/MA
 Sample : I3279-10MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DACB4MSD

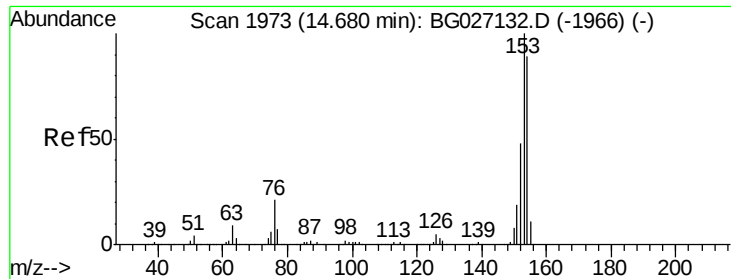
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Quant Time: May 25 06:03:03 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG051817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 25 04:52:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	258751	20.00	ng/ul	0.00
2) Naphthalene-d8	10.80	136	1216045	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.62	164	614924	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.36	188	1093313	20.00	ng/ul	0.00
17) Chrysene-d12	21.61	240	969438	20.00	ng/ul	0.00
22) Perylene-d12	24.78	264	866702	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.32	160	1509359	23.93	ng/ul	0.00
10) Fluorene-d10	15.61	176	958017	22.77	ng/ul	0.00
14) Anthracene-d10	17.46	188	1277880m	23.97	ng/ul	0.00
18) Pyrene-d10	19.74	212	1236847	24.44	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.57	264	1047293	24.32	ng/ul	0.01
Target Compounds						
9) Acenaphthene	14.68	153	1115695	25.71	ng/ul	Qvalue 97
11) Fluorene	15.66	166	53247	1.15	ng/ul	98
13) Phenanthrene	17.40	178	833597	13.64	ng/ul	98
15) Anthracene	17.49	178	186508	2.97	ng/ul	98
16) Fluoranthene	19.41	202	1407649	22.53	ng/ul#	88
19) Pyrene	19.77	202	2460585	38.83	ng/ul#	78
20) Benzo(a)anthracene	21.59	228	697014	11.93	ng/ul	94
21) Chrysene	21.66	228	682682	12.73	ng/ul	98
23) Benzo(b)fluoranthene	23.78	252	949798	18.44	ng/ul#	93
24) Benzo(k)fluoranthene	23.84	252	360193m	6.80	ng/ul	
26) Benzo(a)pyrene	24.64	252	623564	12.37	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	28.41	276	274474	5.92	ng/ul#	79
28) Dibenzo(a,h)anthracene	28.45	278	75379m	1.88	ng/ul	
29) Benzo(g,h,i)perylene	29.54	276	207081m	5.62	ng/ul	

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



#9

Acenaphthene

Concen: 25.71 ng/ul

RT: 14.68 min Scan# 1973

Delta R.T. 0.00 min

Lab File: BG027146.D

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Instrument :

BNA_G

ClientSampleId :

DACB4MSD

Tgt Ion:153 Resp: 1115695

Ion Ratio Lower Upper

153 100

152 48.8 39.0 58.6

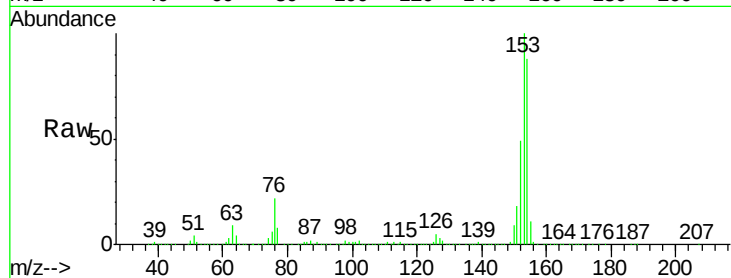
154 87.9 66.8 100.2

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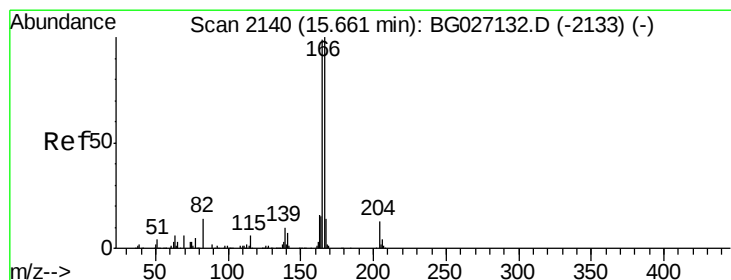
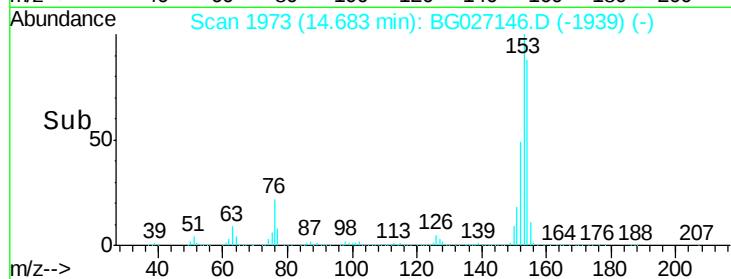
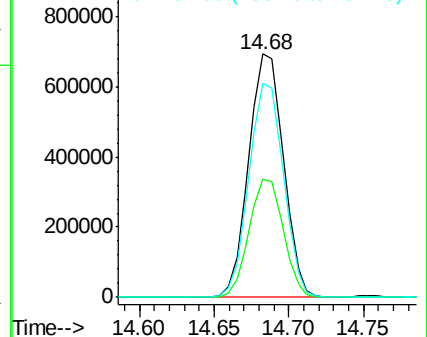
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 1.15 ng/ul

RT: 15.66 min Scan# 2140

Delta R.T. 0.00 min

Lab File: BG027146.D

Acq: 25 May 2017 2:42

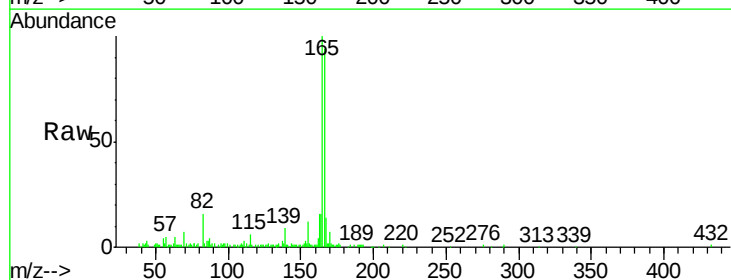
Tgt Ion:166 Resp: 53247

Ion Ratio Lower Upper

166 100

165 106.8 83.8 125.8

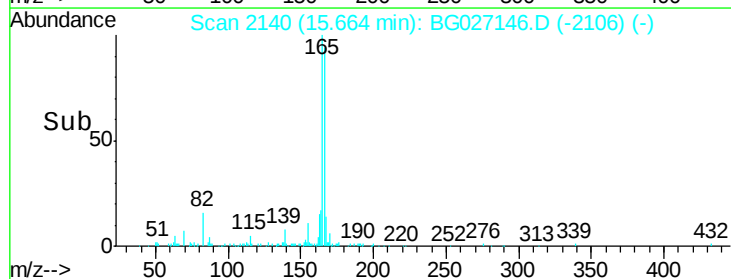
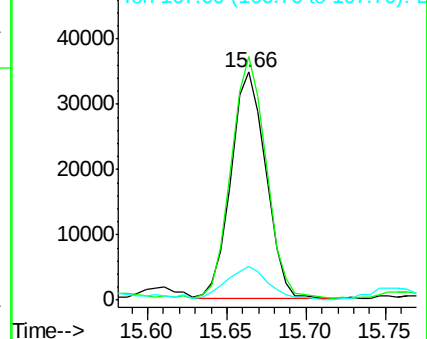
167 14.9 11.5 17.3

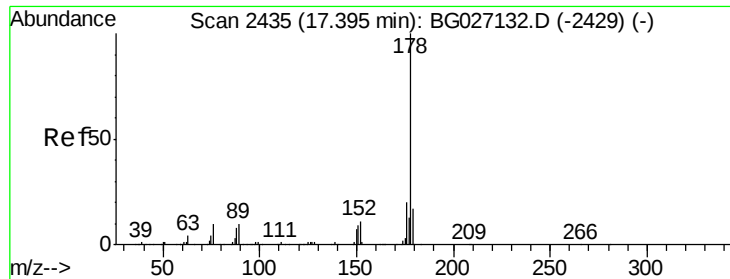


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





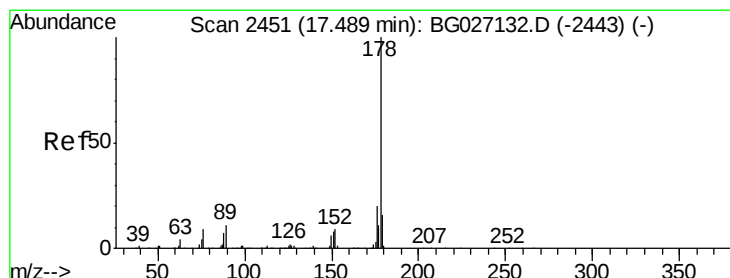
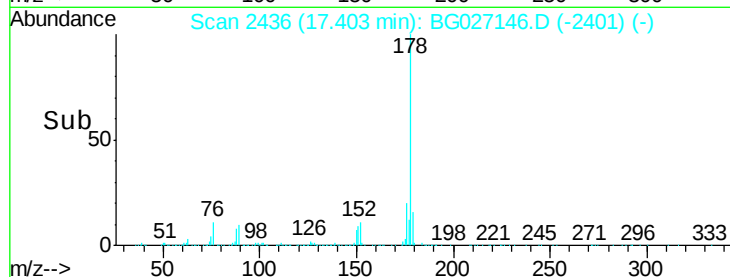
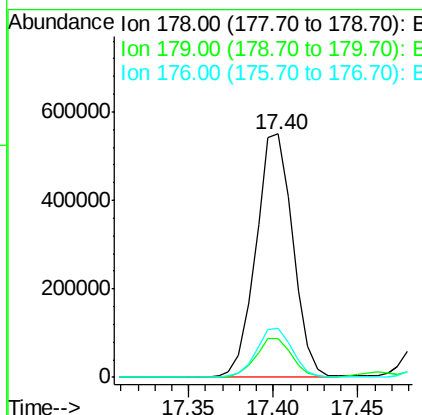
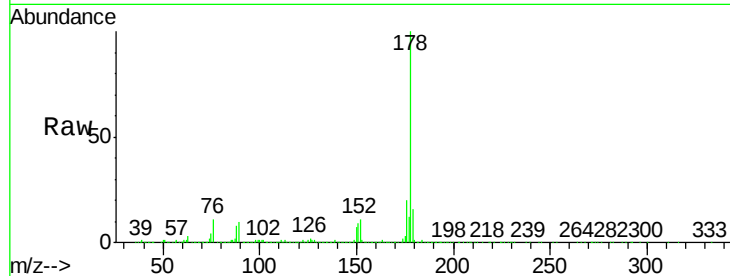
#13
Phenanthrene
Concen: 13.64 ng/ul
RT: 17.40 min Scan# 2436
Delta R.T. 0.01 min
Lab File: BG027146.D
Acq: 25 May 2017 2:42

Instrument :
BNA_G
ClientSampleId :
DACB4MSD

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.3	18.5
176	20.0	15.1	22.7

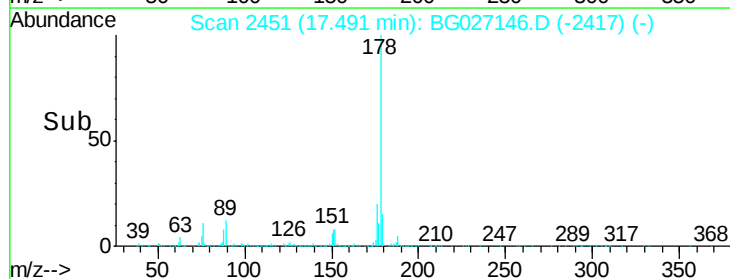
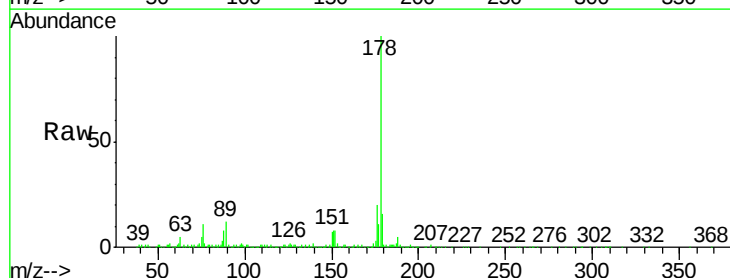
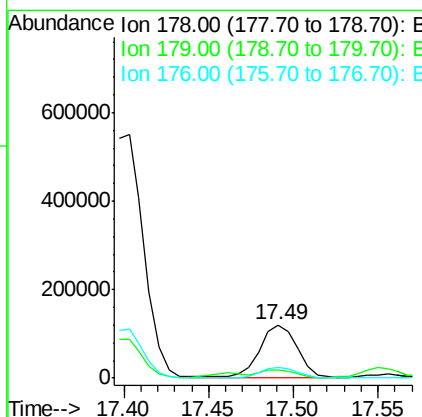
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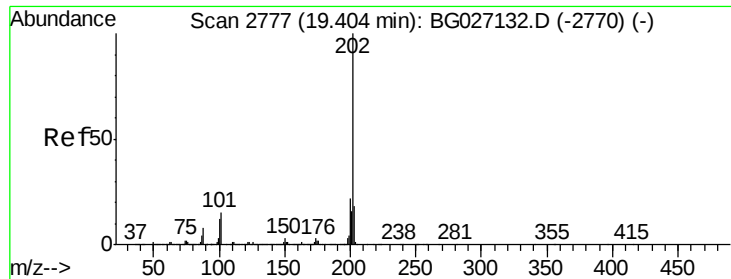
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#15
Anthracene
Concen: 2.97 ng/ul
RT: 17.49 min Scan# 2451
Delta R.T. 0.00 min
Lab File: BG027146.D
Acq: 25 May 2017 2:42

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	11.8	17.8
176	19.6	15.2	22.8





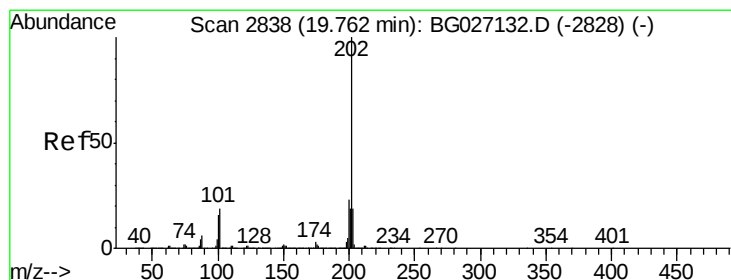
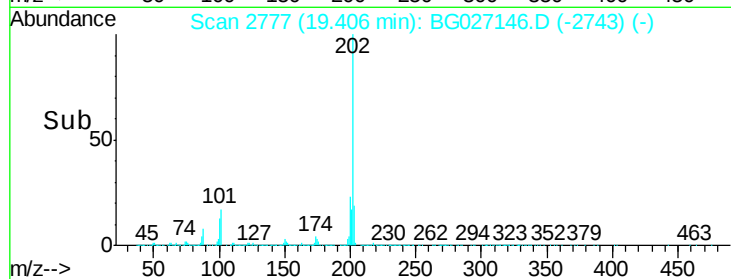
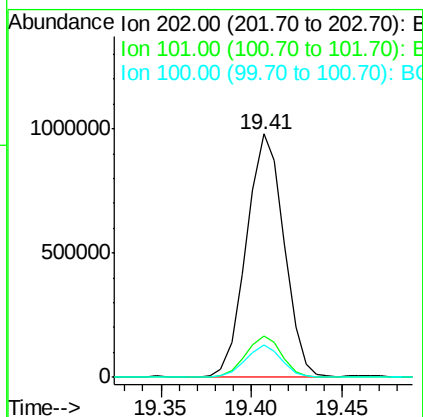
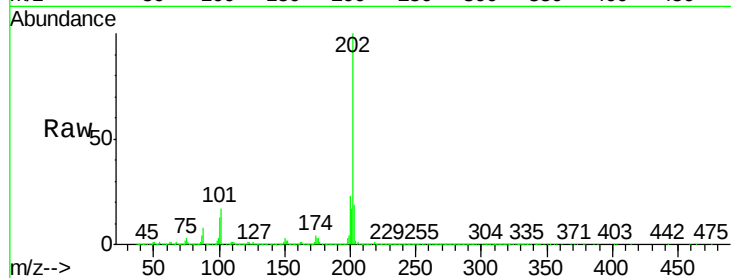
#16
 Fluoranthene
 Concen: 22.53 ng/ul
 RT: 19.41 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: BG027146.D
 Acq: 25 May 2017 2:42

Instrument :
 BNA_G
 ClientSampleId :
 DACB4MSD

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.0	9.9	14.9#
100	13.4	7.4	11.0#

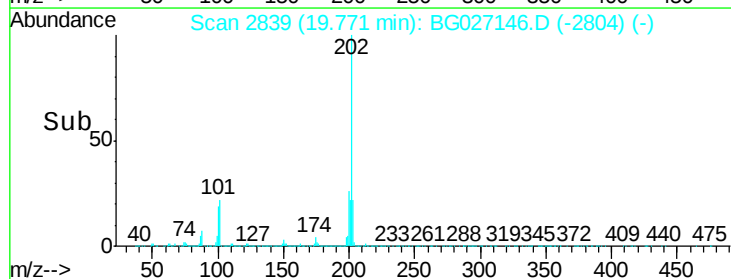
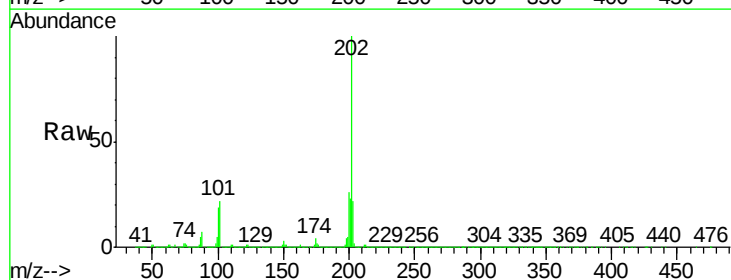
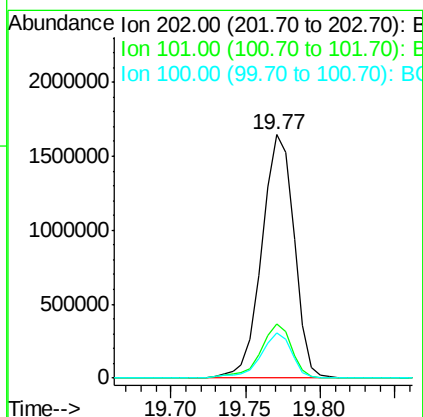
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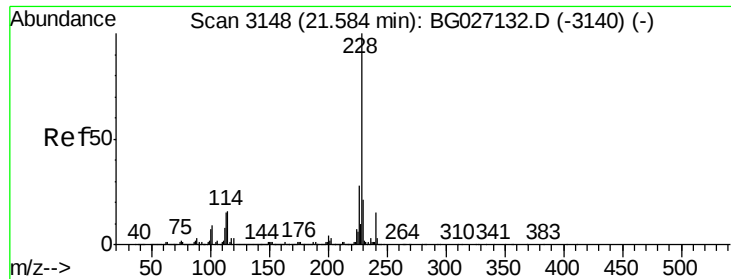
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#19
 Pyrene
 Concen: 38.83 ng/ul
 RT: 19.77 min Scan# 2839
 Delta R.T. 0.01 min
 Lab File: BG027146.D
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	22.4	11.0	16.4#
100	18.7	8.1	12.1#





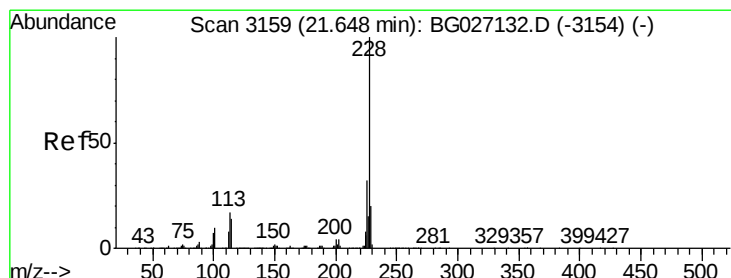
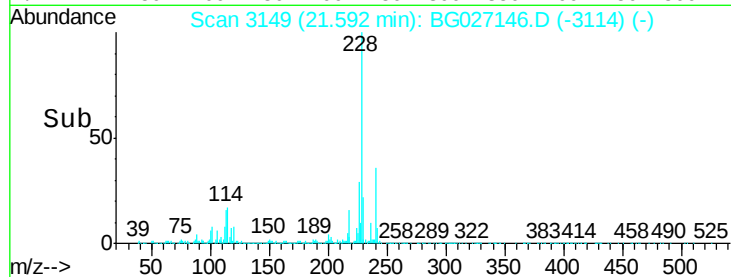
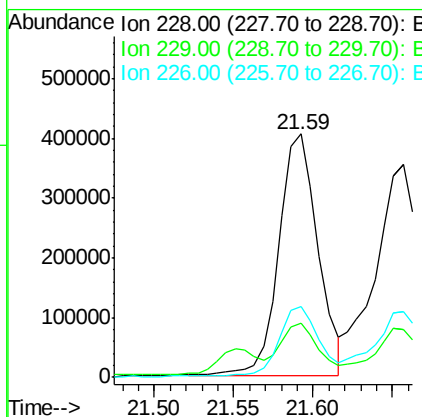
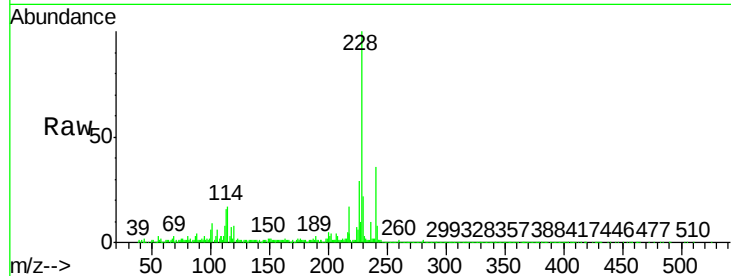
#20
Benzo(a)anthracene
Concen: 11.93 ng/ul
RT: 21.59 min Scan# 3149
Delta R.T. 0.01 min
Lab File: BG027146.D
Acq: 25 May 2017 2:42

Instrument :
BNA_G
ClientSampleId :
DACB4MSD

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.4	15.7	23.5
226	29.3	21.1	31.7

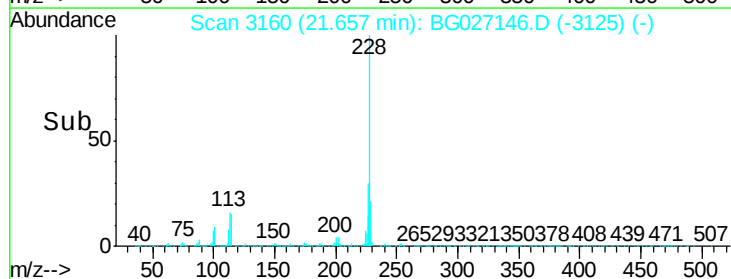
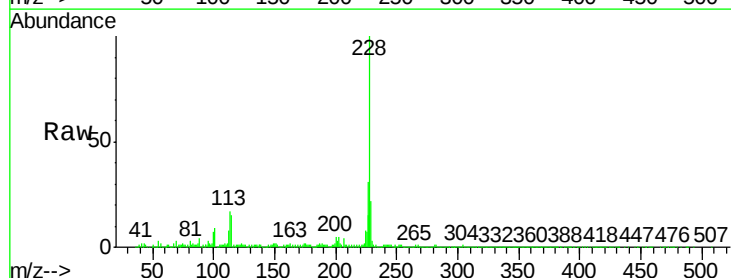
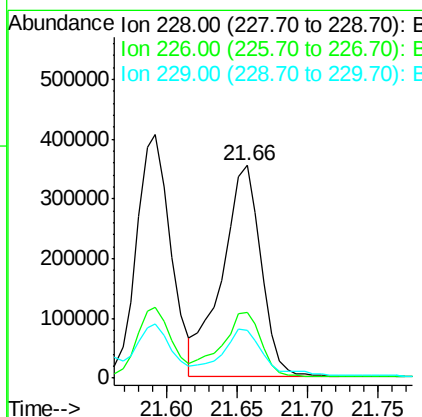
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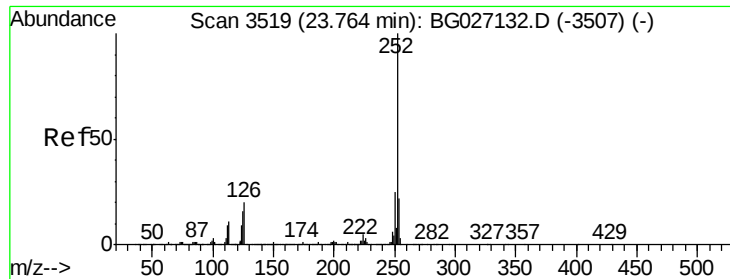
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#21
Chrysene
Concen: 12.73 ng/ul
RT: 21.66 min Scan# 3160
Delta R.T. 0.01 min
Lab File: BG027146.D
Acq: 25 May 2017 2:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.5	36.7
229	22.3	15.8	23.8





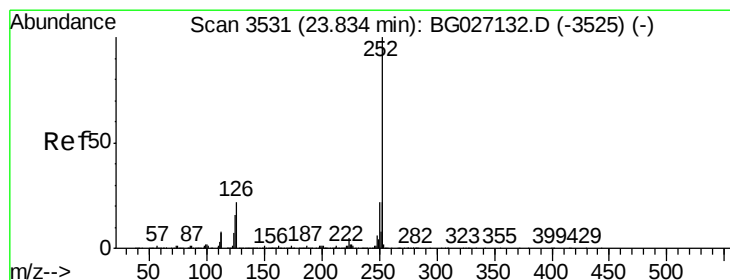
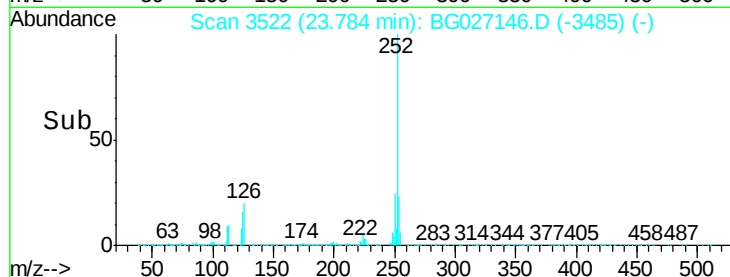
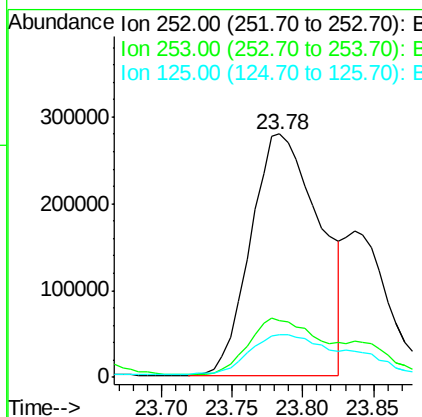
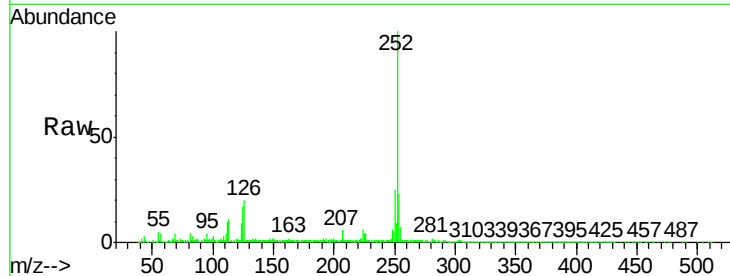
#23
Benzo(b)fluoranthene
Concen: 18.44 ng/ul
RT: 23.78 min Scan# 3522
Delta R.T. 0.02 min
Lab File: BG027146.D
Acq: 25 May 2017 2:42

Instrument :
BNA_G
ClientSampleId :
DACB4MSD

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.4	18.0	27.0
125	17.3	8.0	12.0

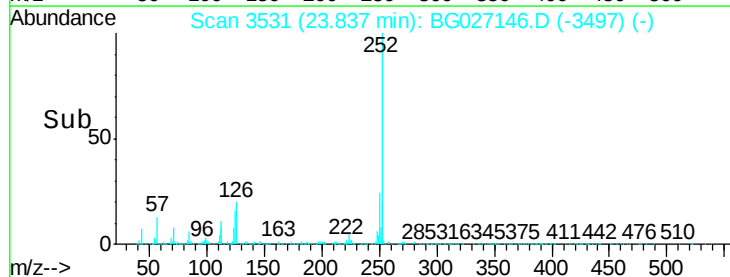
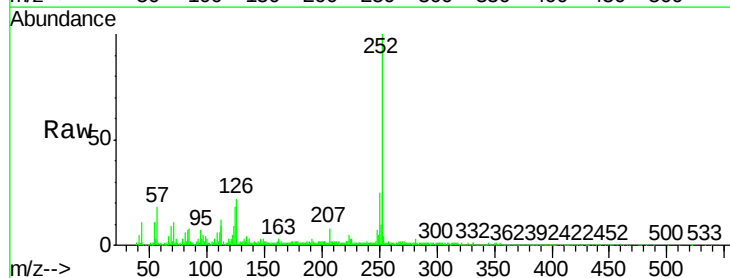
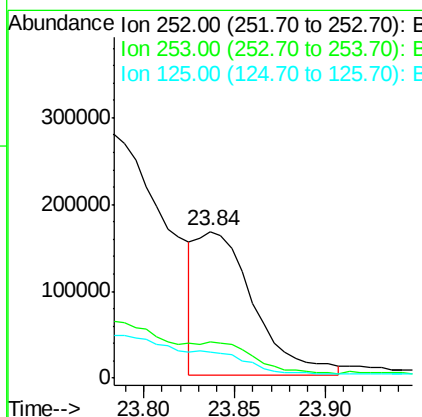
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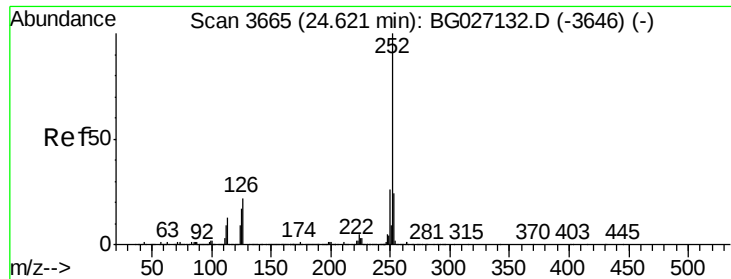
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#24
Benzo(k)fluoranthene
Concen: 6.80 ng/ul m
RT: 23.84 min Scan# 3531
Delta R.T. 0.00 min
Lab File: BG027146.D
Acq: 25 May 2017 2:42

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	25.2	18.0	27.0
125	18.2	8.1	12.1





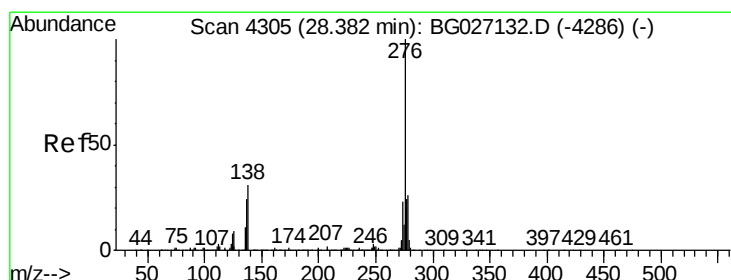
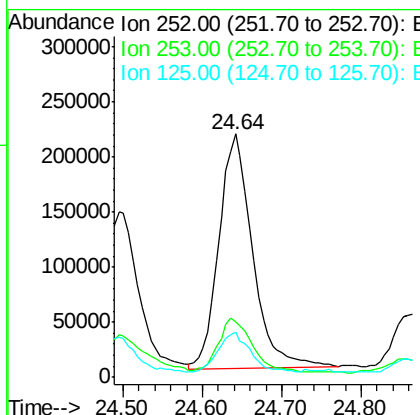
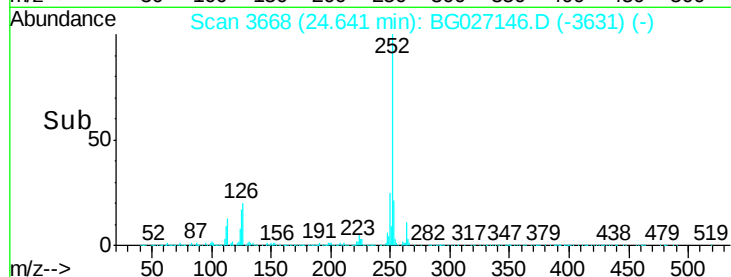
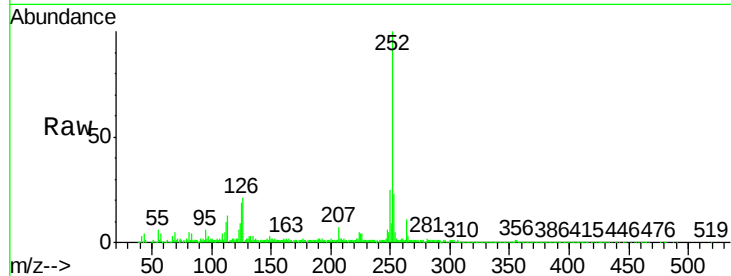
#26
Benzo(a)pyrene
Concen: 12.37 ng/ul
RT: 24.64 min Scan# 3668
Delta R.T. 0.02 min
Lab File: BG027146.D
Acq: 25 May 2017 2:42

Instrument :
BNA_G
ClientSampleId :
DACB4MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	18.5	8.2	12.4

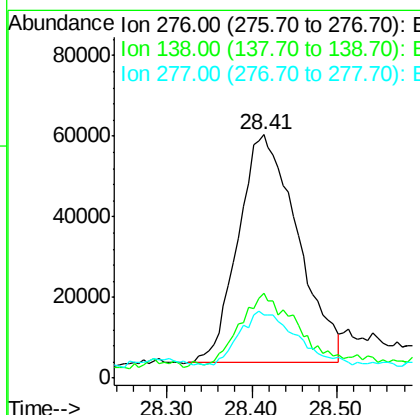
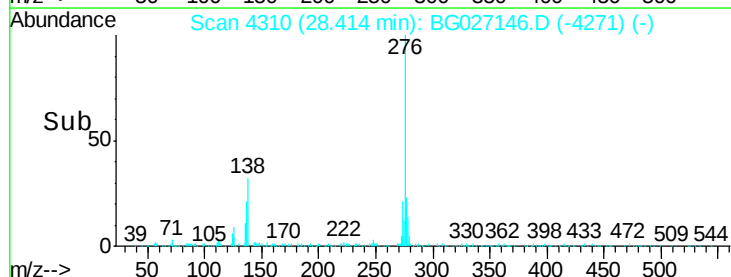
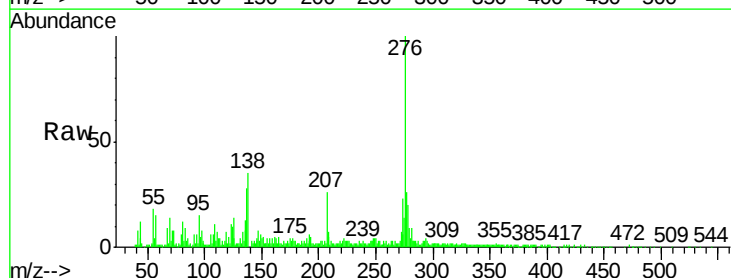
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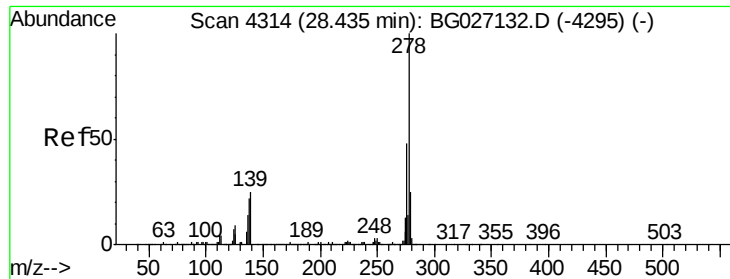
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#27
Indeno(1,2,3-cd)pyrene
Concen: 5.92 ng/ul
RT: 28.41 min Scan# 4310
Delta R.T. 0.03 min
Lab File: BG027146.D
Acq: 25 May 2017 2:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	35.0	14.4	21.6
277	25.8	18.0	27.0





#28

Dibenzo(a,h)anthracene

Concen: 1.88 ng/ul m

RT: 28.45 min Scan# 4316

Delta R.T. 0.01 min

Lab File: BG027146.D

Acq: 25 May 2017 2:42

Instrument :

BNA_G

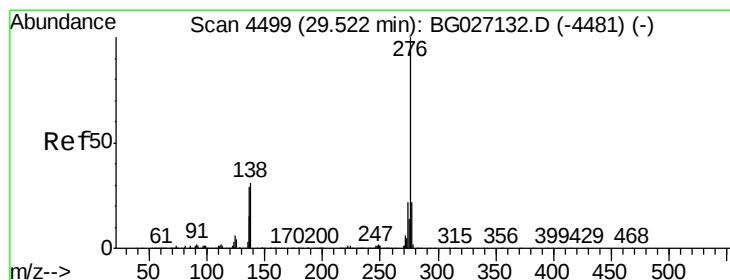
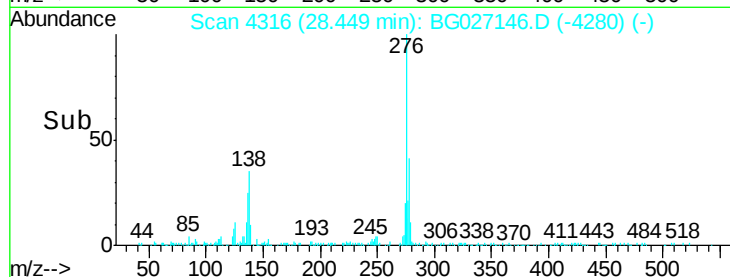
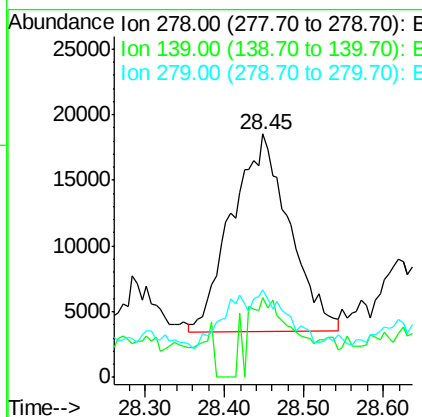
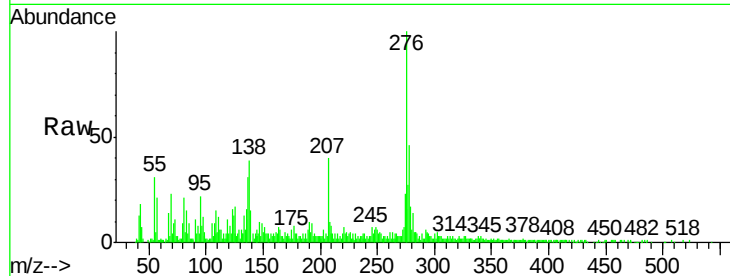
ClientSampleId :

DACB4MSD

Tgt Ion:	278	Resp:	75379
Ion Ratio	Lower	Upper	
278	100		
139	32.7	12.2	18.4#
279	35.8	19.2	28.8#

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#29

Benzo(g,h,i)perylene

Concen: 5.62 ng/ul m

RT: 29.54 min Scan# 4502

Delta R.T. 0.02 min

Lab File: BG027146.D

Acq: 25 May 2017 2:42

Tgt Ion:	276	Resp:	207081
Ion Ratio	Lower	Upper	
276	100		
138	36.4	15.3	22.9#
277	29.4	19.0	28.4#

