

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031111.D
 Acq On : 18 Nov 2017 9:35
 Operator : SJ/JU
 Sample : I6431-04
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0FN5

Manual Integrations
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SOHIL
 11/20/2017 4:46:03 PM

Quant Time: Nov 20 02:00:38 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 20 01:33:00 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	48642	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	223682	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	167576	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.50	188	424804	20.00	ng/ul	0.00
18) Chrysene-d12	21.78	240	454528	20.00	ng/ul	0.00
23) Perylene-d12	25.09	264	449568	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.58	165	105961	25.11	ng/uL	0.00
7) Acenaphthylene-d8	14.46	160	476131	27.32	ng/ul	0.00
10) Fluorene-d10	15.74	176	369263	26.38	ng/ul	0.00
15) Anthracene-d10	17.60	188	576074	27.09	ng/ul	0.00
19) Pyrene-d10	19.88	212	669487	32.24	ng/ul	0.01
26) Benzo(a)pyrene-d12	24.86	264	651081	29.27	ng/ul	0.01
Target Compounds				Qvalue		
8) Acenaphthylene	14.49	152	19972	1.308	ng/ul#	97
14) Phenanthrene	17.54	178	257713	11.304	ng/ul	98
17) Fluoranthene	19.55	202	424994	13.396	ng/ul#	87
20) Pyrene	19.91	202	551032	22.842	ng/ul#	84
21) Benzo(a)anthracene	21.76	228	259209	9.360	ng/ul	97
22) Chrysene	21.83	228	325935	12.375	ng/ul	99
24) Benzo(b)fluoranthene	24.03	252	306981	11.302	ng/ul#	96
25) Benzo(k)fluoranthene	24.09	252	111875m	4.181	ng/ul	
27) Benzo(a)pyrene	24.93	252	235716m	9.054	ng/ul	
28) Indeno(1,2,3-cd)pyrene	28.87	276	136705m	4.607	ng/ul	
29) Dibenzo(a,h)anthracene	28.92	278	40023m	1.629	ng/ul	
30) Benzo(a,h,i)perylene	30.07	276	125091	5.063	ng/ul#	89

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

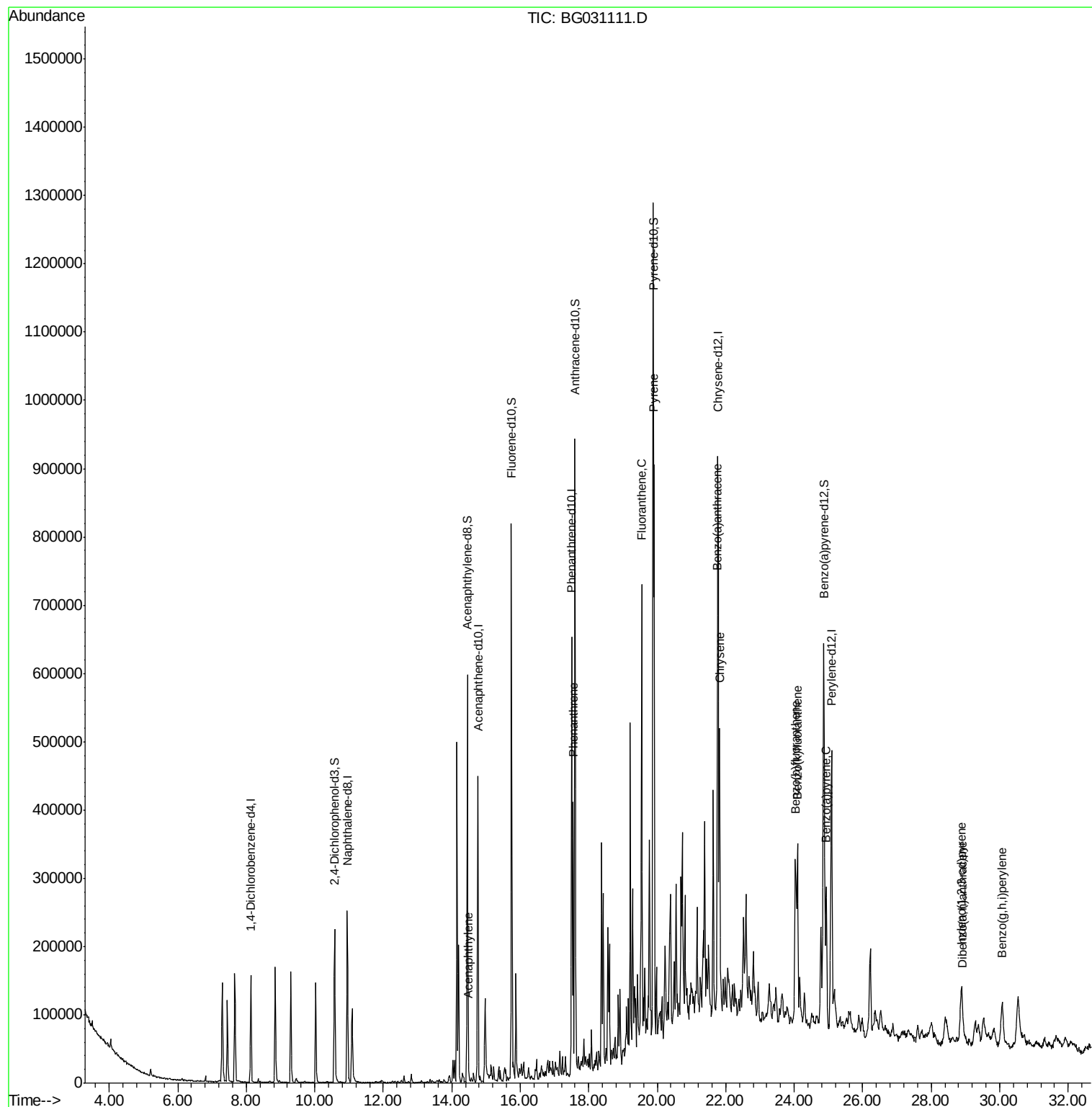
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
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ALS Vial : 32 Sample Multiplier: 1

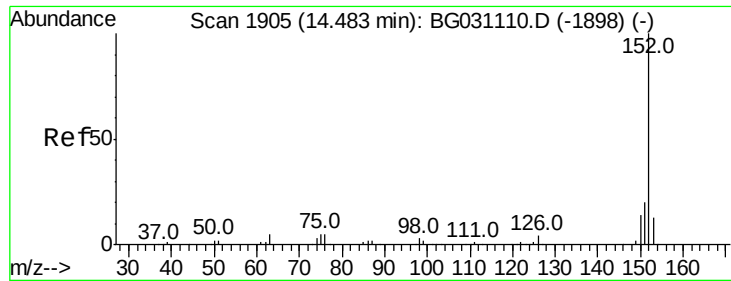
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#8

Acenaphthylene

Concen: 1.308 ng/ul

RT: 14.49 min Scan# 1906

Delta R.T. 0.00 min

Lab File: BG031111.D

Acq: 18 Nov 2017 9:35

Instrument :

BNA_G

ClientSampleId :

B0FN5

Tot Ion:152 Resp: 19972

Ion Ratio Lower Upper

152 100

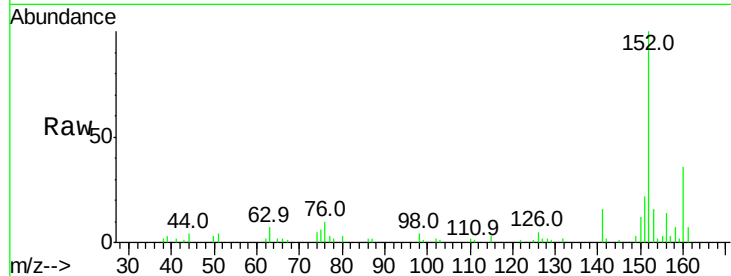
151 22.3 17.5 26.3

153 16.5 10.6 16.0#

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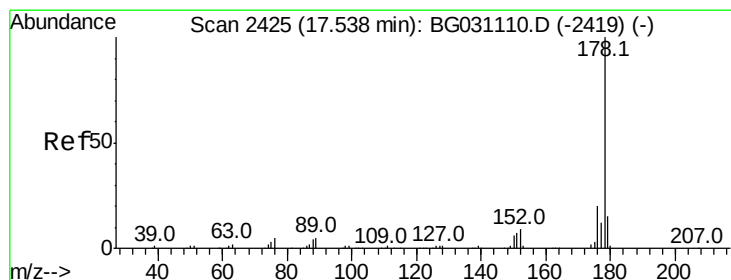
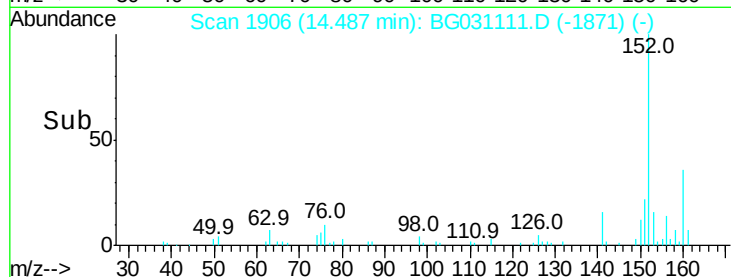
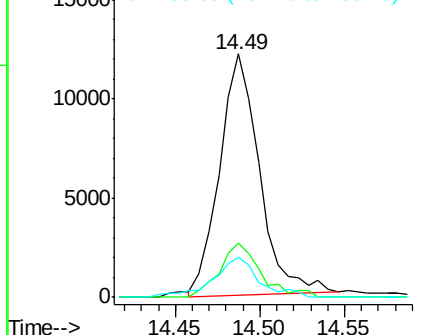
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#14

Phenanthrene

Concen: 11.304 ng/ul

RT: 17.54 min Scan# 2426

Delta R.T. 0.00 min

Lab File: BG031111.D

Acq: 18 Nov 2017 9:35

Tgt Ion:178 Resp: 257713

Ion Ratio Lower Upper

178 100

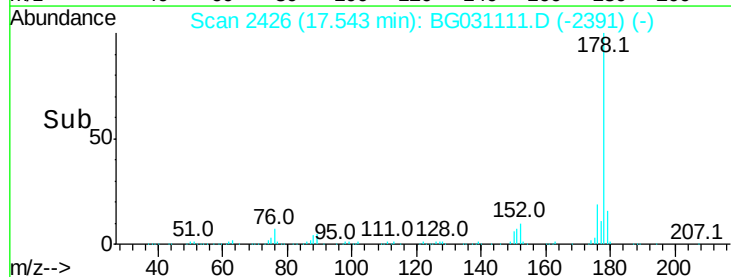
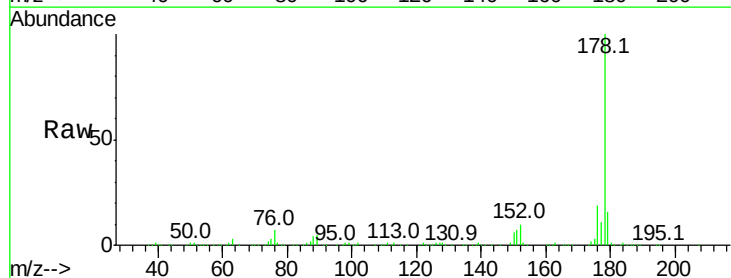
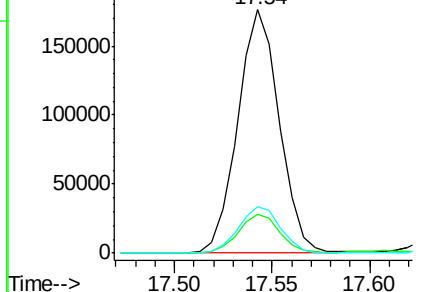
179 16.0 12.2 18.4

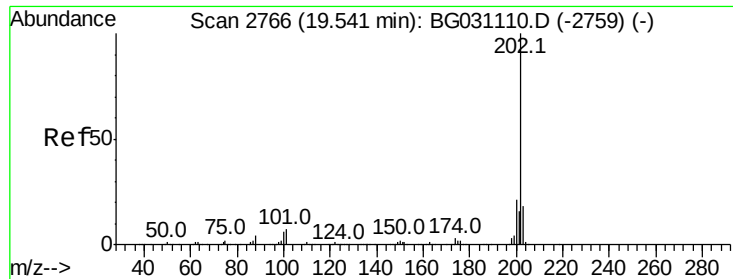
176 19.3 16.4 24.6

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





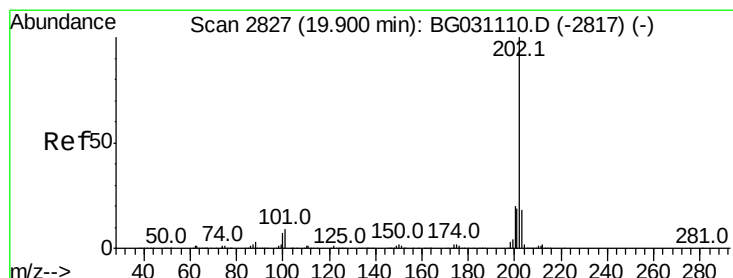
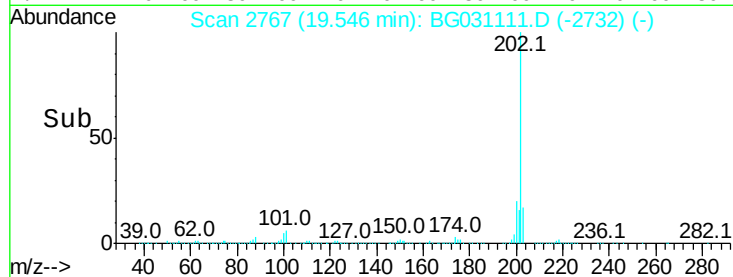
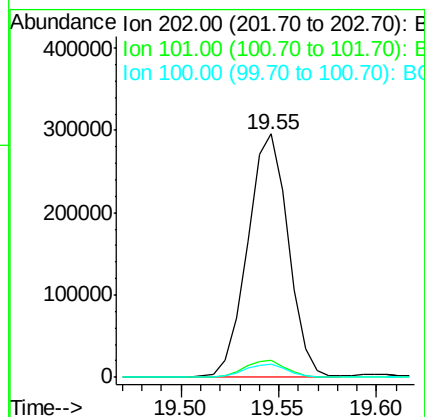
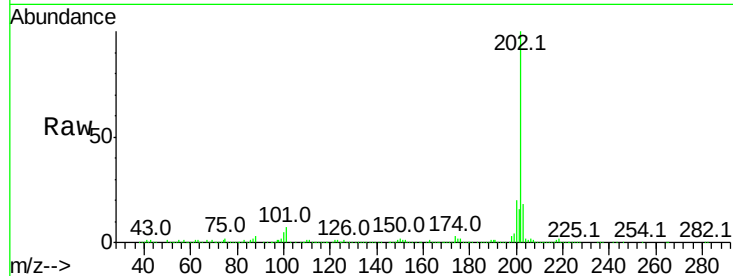
#17
Fluoranthene
 Concen: 13.396 ng/ul
 RT: 19.55 min Scan# 2767
 Delta R.T. 0.00 min
 Lab File: BG031111.D
 Acq: 18 Nov 2017 9:35

Instrument :
 BNA_G
 ClientSampleId :
 B0FN5

Tot Ion:	202	Resp:	424994
Ion Ratio	Lower	Upper	
202	100		
101	7.0	9.8	14.8#
100	5.4	7.5	11.3#

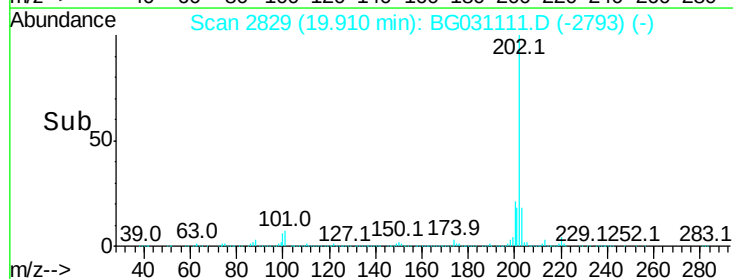
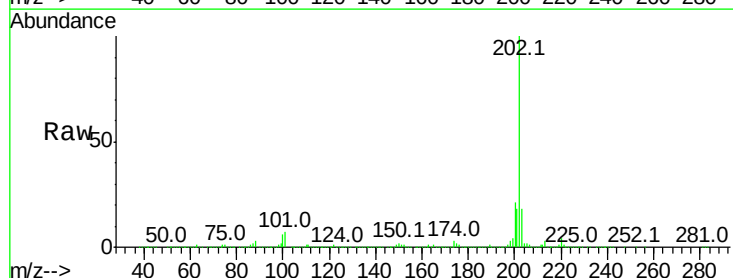
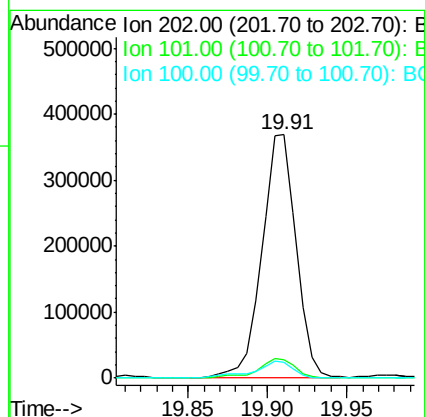
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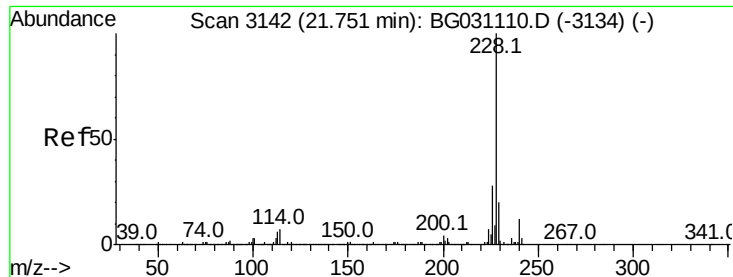
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#20
Pyrene
 Concen: 22.842 ng/ul
 RT: 19.91 min Scan# 2829
 Delta R.T. 0.01 min
 Lab File: BG031111.D
 Acq: 18 Nov 2017 9:35

Tgt Ion:	202	Resp:	551032
Ion Ratio	Lower	Upper	
202	100		
101	7.4	11.2	16.8#
100	6.2	9.8	14.6#





#21

Benzo(a)anthracene

Concen: 9.360 ng/ul

RT: 21.76 min Scan# 3143

Delta R.T. 0.00 min

Lab File: BG031111.D

Acq: 18 Nov 2017 9:35

Instrument :

BNA_G

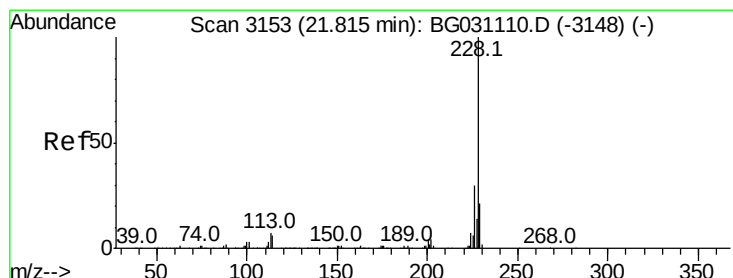
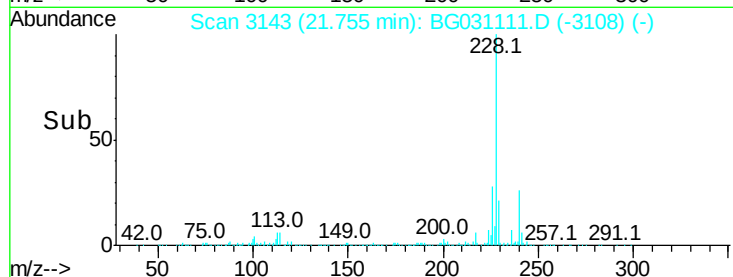
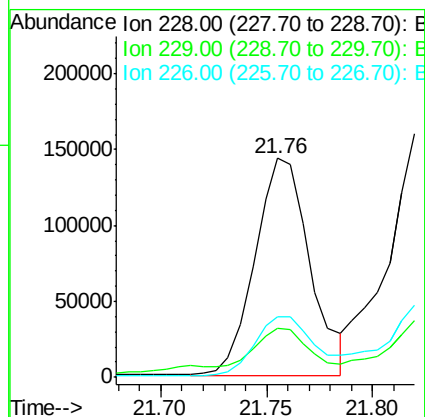
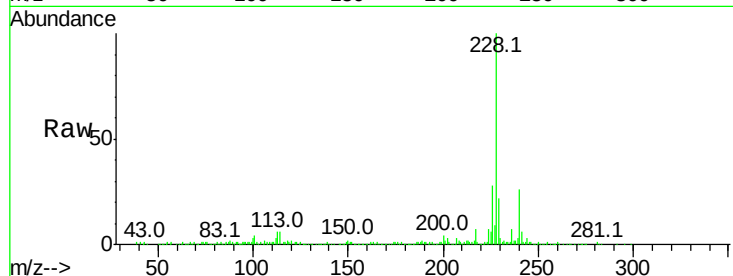
ClientSampleId :

B0FN5

Tot Ion:	228	Resp:	259209
Ion Ratio	Lower	Upper	
228	100		
229	22.5	15.9	23.9
226	27.9	22.1	33.1

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#22

Chrysene

Concen: 12.375 ng/ul

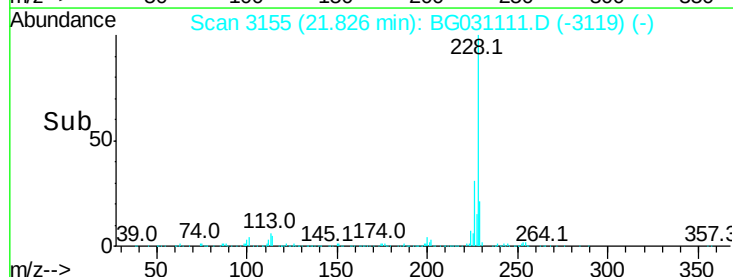
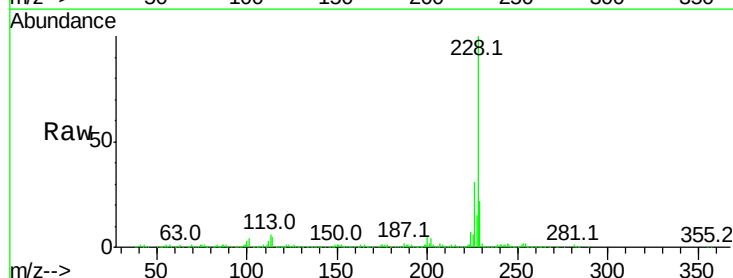
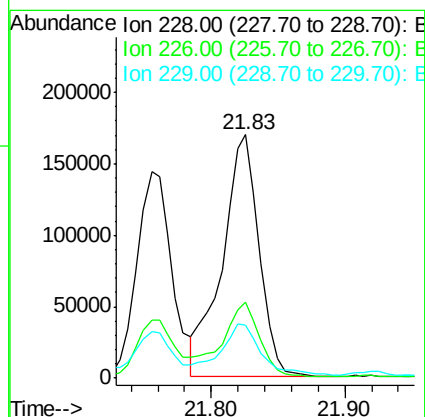
RT: 21.83 min Scan# 3155

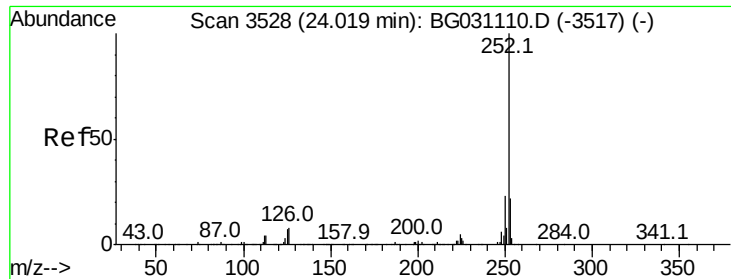
Delta R.T. 0.01 min

Lab File: BG031111.D

Acq: 18 Nov 2017 9:35

Tgt Ion:	228	Resp:	325935
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.0	37.6
229	21.9	16.6	25.0





#24

Benzo(b)fluoranthene

Concen: 11.302 ng/ul

RT: 24.03 min Scan# 3531

Delta R.T. 0.02 min

Lab File: BG031111.D

Acq: 18 Nov 2017 9:35

Instrument :

BNA_G

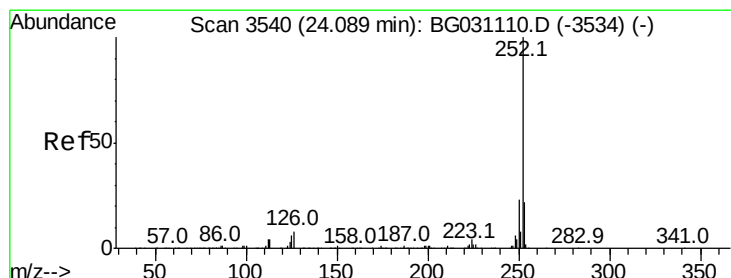
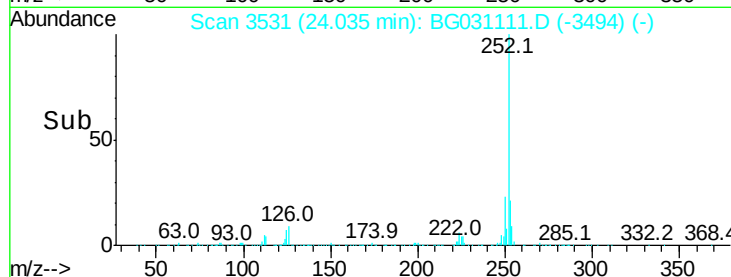
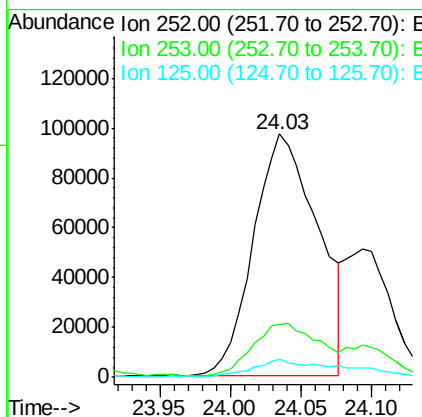
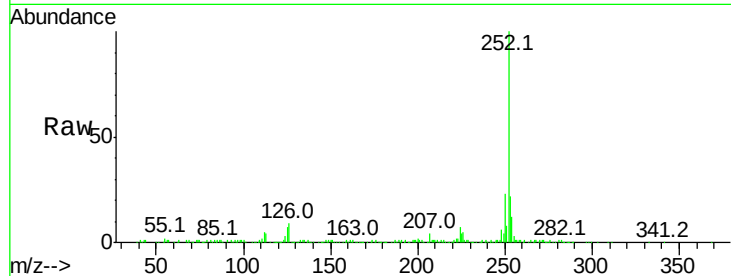
ClientSampleId :

B0FN5

Tot Ion:	252	Resp:	306981
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.8	26.6
125	7.3	9.4	14.0#

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#25

Benzo(k)fluoranthene

Concen: 4.181 ng/ul m

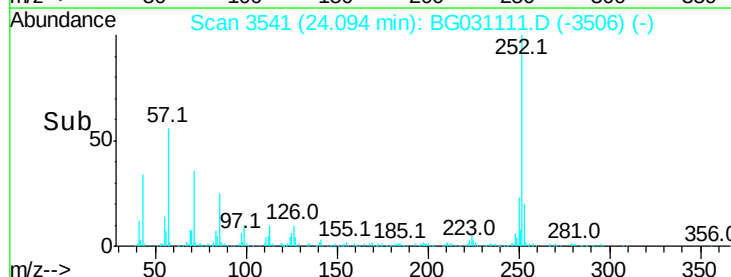
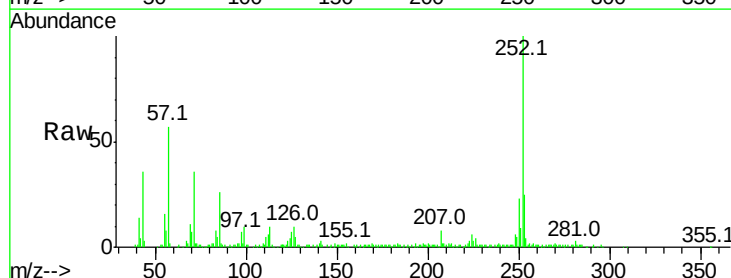
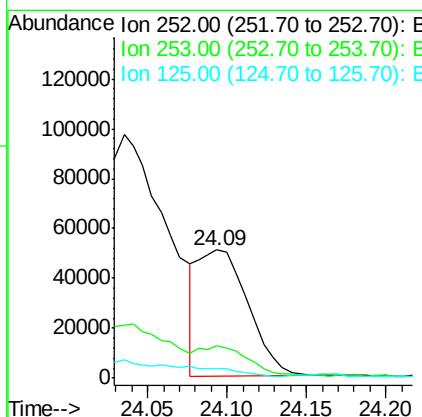
RT: 24.09 min Scan# 3541

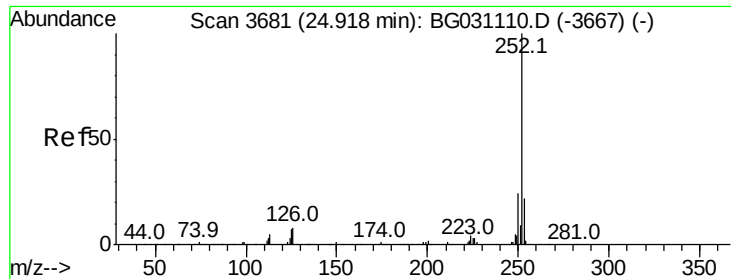
Delta R.T. 0.00 min

Lab File: BG031111.D

Acq: 18 Nov 2017 9:35

Tgt Ion:	252	Resp:	111875
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.4	26.2
125	7.1	8.8	13.2#





#27

Benzo(a)pyrene

Concen: 9.054 ng/ul m

RT: 24.93 min Scan# 3684

Delta R.T. 0.02 min

Lab File: BG031111.D

Acq: 18 Nov 2017 9:35

Instrument :

BNA_G

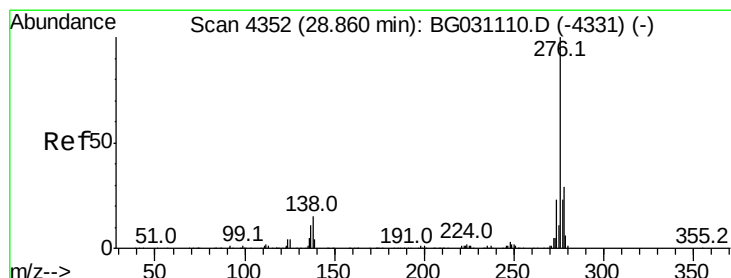
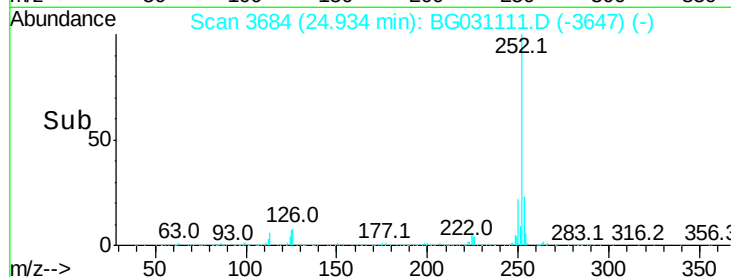
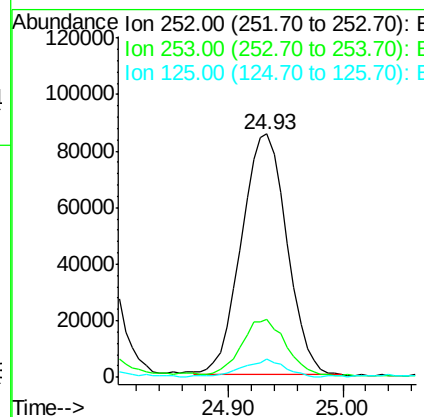
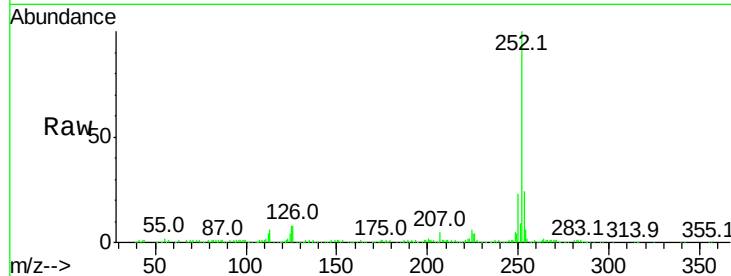
ClientSampled :

B0FN5

Tot Ion:	252	Resp:	235716
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.1	25.7
125	7.6	9.4	14.2#

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#28

Indeno(1,2,3-cd)pyrene

Concen: 4.607 ng/ul m

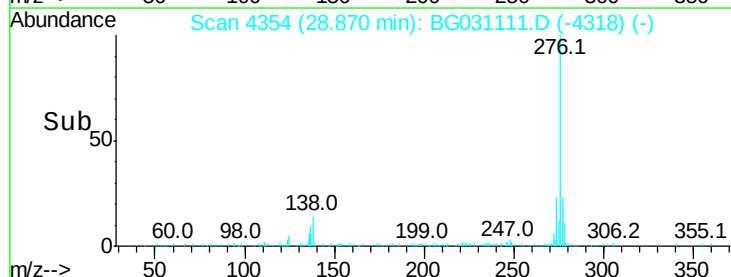
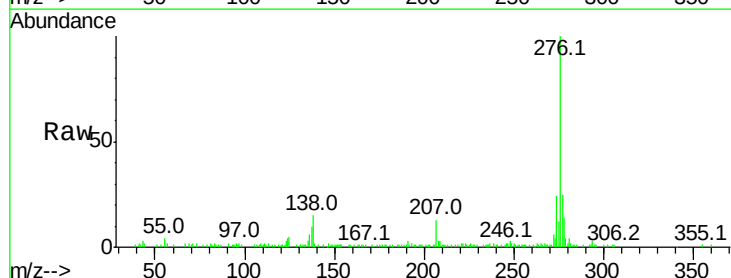
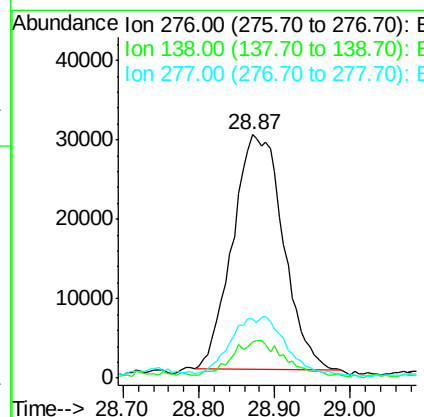
RT: 28.87 min Scan# 4354

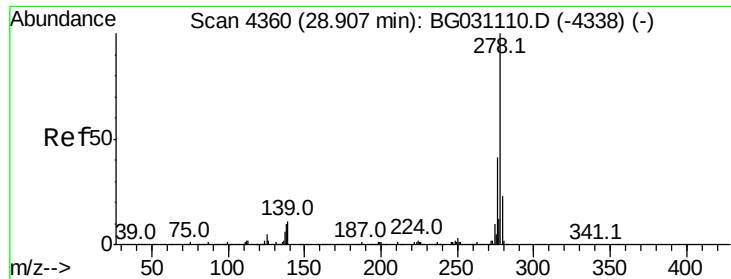
Delta R.T. 0.01 min

Lab File: BG031111.D

Acq: 18 Nov 2017 9:35

Tgt Ion:	276	Resp:	136705
Ion Ratio	Lower	Upper	
276	100		
138	15.0	17.8	26.6#
277	24.6	19.4	29.0





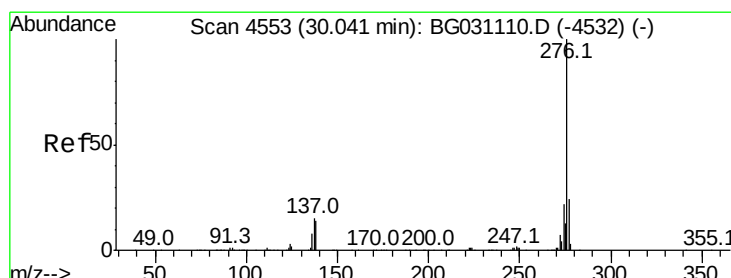
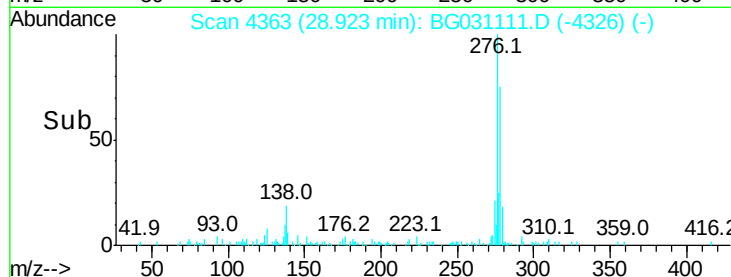
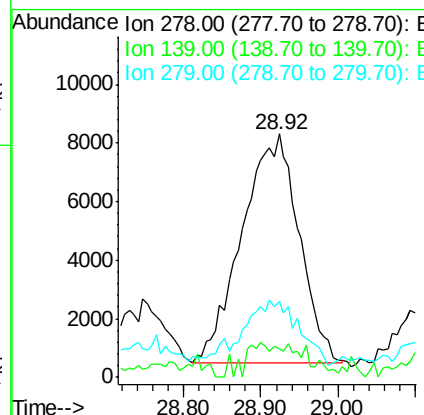
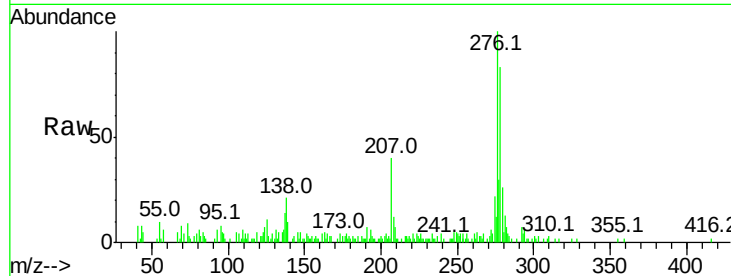
#29
Dibenzo(a,h)anthracene
Concen: 1.629 ng/ul m
RT: 28.92 min Scan# 4363
Delta R.T. 0.02 min
Lab File: BG031111.D
Acq: 18 Nov 2017 9:35

Instrument :
BNA_G
ClientSampled :
B0FN5

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.7	14.0	21.0#
279	31.1	20.6	31.0#

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#30
Benzo(g,h,i)perylene
Concen: 5.063 ng/ul
RT: 30.07 min Scan# 4559
Delta R.T. 0.03 min
Lab File: BG031111.D
Acq: 18 Nov 2017 9:35

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.9	19.0	28.4#
277	24.2	19.7	29.5

