

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031105.D
 Acq On : 18 Nov 2017 5:27
 Operator : SJ/JU
 Sample : I6431-09
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0FP9

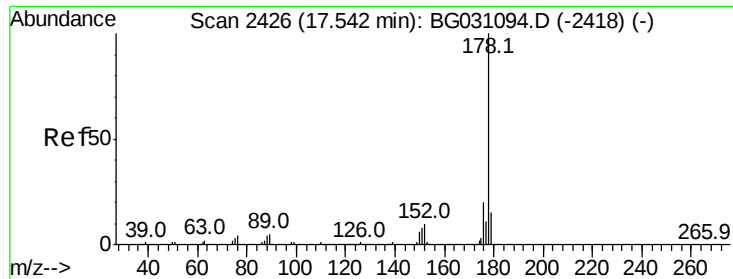
Manual Integrations
 APPROVED

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 11/20/2017 4:45:54 PM

Quant Time: Nov 18 06:06:31 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 18 01:20:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	40733	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	188047	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	142285	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.50	188	390663	20.00	ng/ul	0.00
18) Chrysene-d12	21.77	240	420868	20.00	ng/ul	0.00
23) Perylene-d12	25.08	264	411373	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.58	165	101837	28.70	ng/uL	0.00
7) Acenaphthylene-d8	14.45	160	478364	32.33	ng/ul	0.00
10) Fluorene-d10	15.75	176	380986	32.05	ng/ul	0.00
15) Anthracene-d10	17.60	188	624987	31.96	ng/ul	0.00
19) Pyrene-d10	19.88	212	739565	38.47	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.85	264	694099	34.10	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.54	178	40165	1.916	ng/ul	98
17) Fluoranthene	19.54	202	119209	4.086	ng/ul#	86
20) Pyrene	19.90	202	144367	6.463	ng/ul#	85
21) Benzo(a)anthracene	21.75	228	91787	3.580	ng/ul	97
22) Chrysene	21.81	228	124084	5.088	ng/ul	97
24) Benzo(b)fluoranthene	24.02	252	132220	5.320	ng/ul#	95
25) Benzo(k)fluoranthene	24.08	252	41976m	1.714	ng/ul	
27) Benzo(a)pyrene	24.92	252	104149m	4.372	ng/ul	
28) Indeno(1,2,3-cd)pyrene	28.85	276	61318m	2.258	ng/ul	
30) Benzo(g,h,i)perylene	30.03	276	53585m	2.370	ng/ul	

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



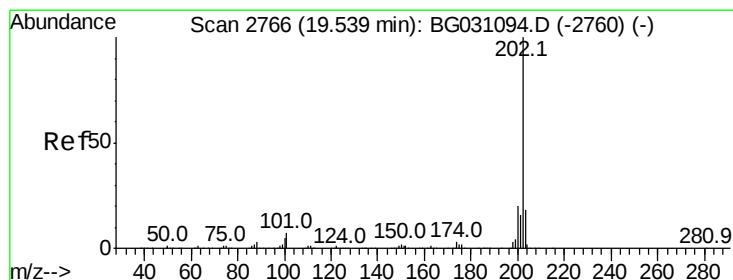
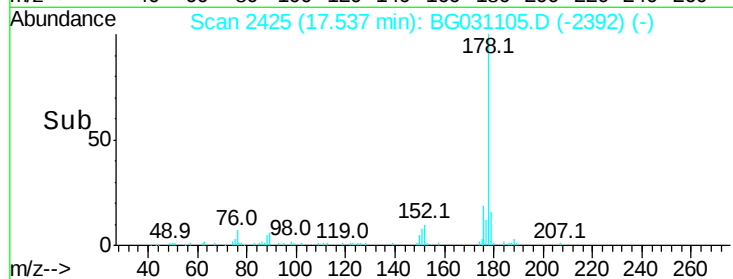
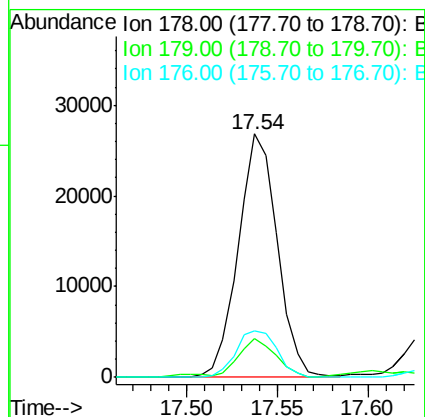
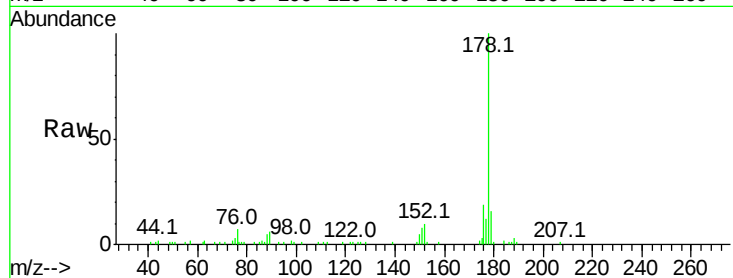
#14
Phenanthrene
Concen: 1.916 ng/ul
RT: 17.54 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BG031105.D
Acq: 18 Nov 2017 5:27

Instrument :
BNA_G
ClientSampleId :
B0FP9

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.2	18.4
176	19.1	16.4	24.6

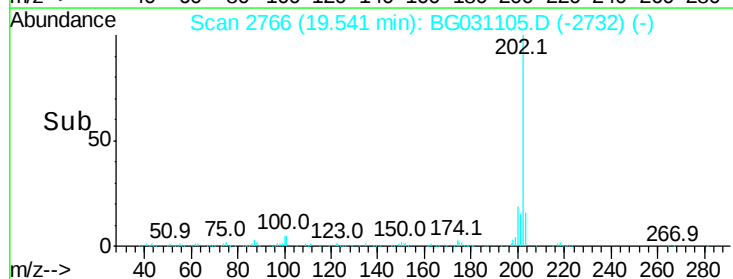
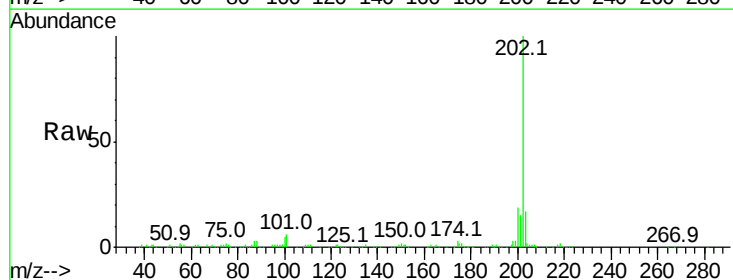
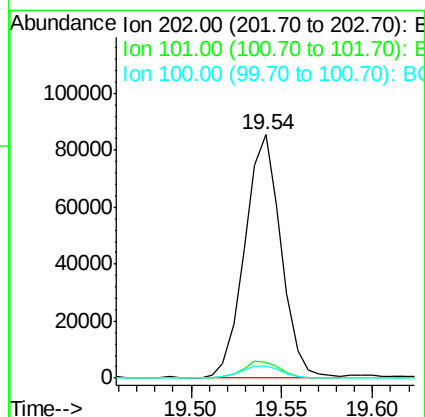
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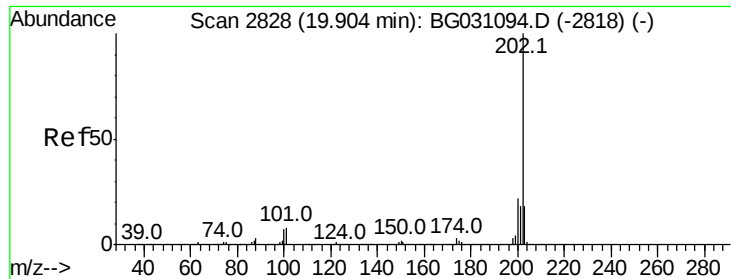
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#17
Fluoranthene
Concen: 4.086 ng/ul
RT: 19.54 min Scan# 2766
Delta R.T. 0.00 min
Lab File: BG031105.D
Acq: 18 Nov 2017 5:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.2	9.8	14.8#
100	4.8	7.5	11.3#





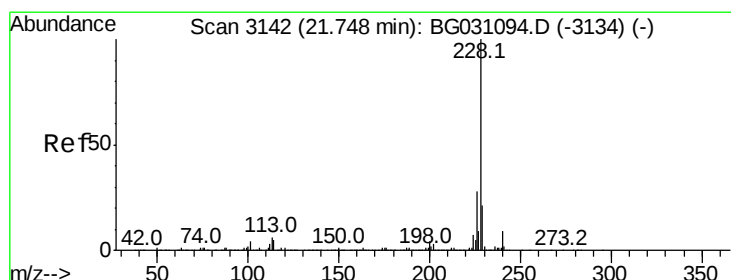
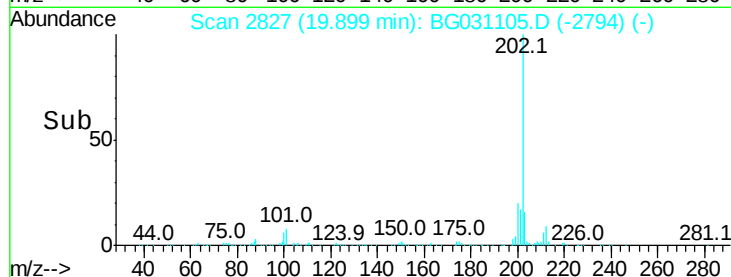
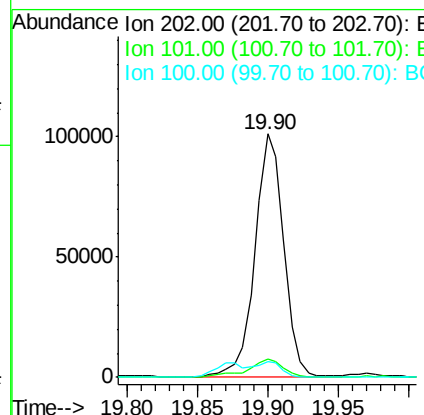
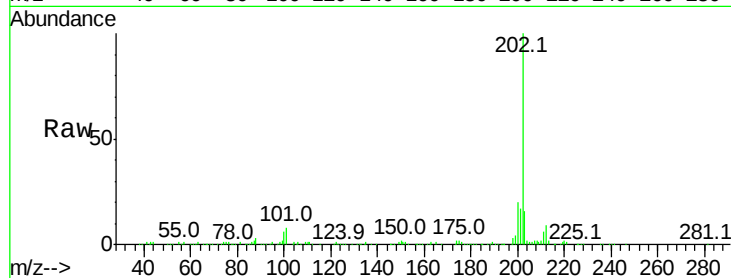
#20
Pvrene
Concen: 6.463 ng/ul
RT: 19.90 min Scan# 2827
Delta R.T. -0.00 min
Lab File: BG031105.D
Acq: 18 Nov 2017 5:27

Instrument :
BNA_G
ClientSampleId :
B0FP9

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.8	11.2	16.8#
100	6.4	9.8	14.6#

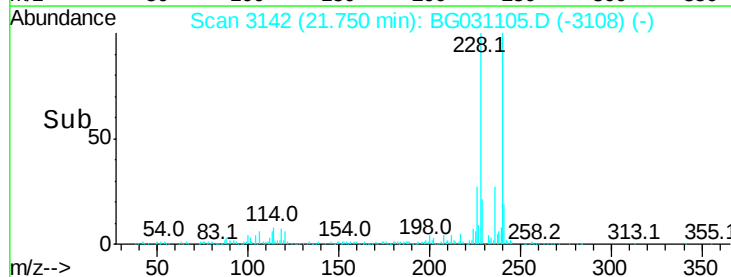
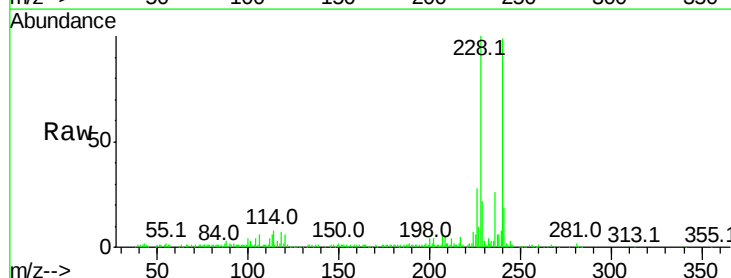
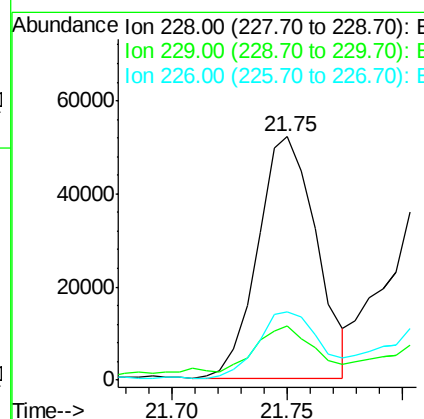
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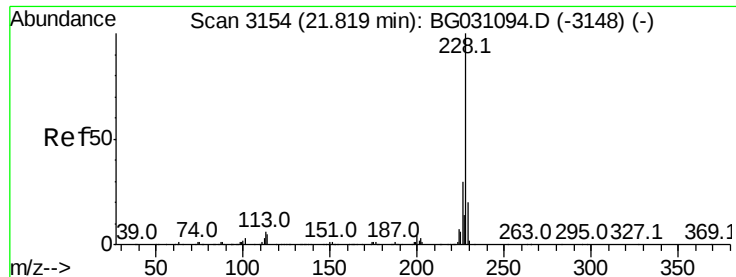
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#21
Benzo(a)anthracene
Concen: 3.580 ng/ul
RT: 21.75 min Scan# 3142
Delta R.T. 0.00 min
Lab File: BG031105.D
Acq: 18 Nov 2017 5:27

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	22.5	15.9	23.9
226	28.2	22.1	33.1





#22

Chrysene

Concen: 5.088 ng/ul

RT: 21.81 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BG031105.D

Acq: 18 Nov 2017 5:27

Instrument :

BNA_G

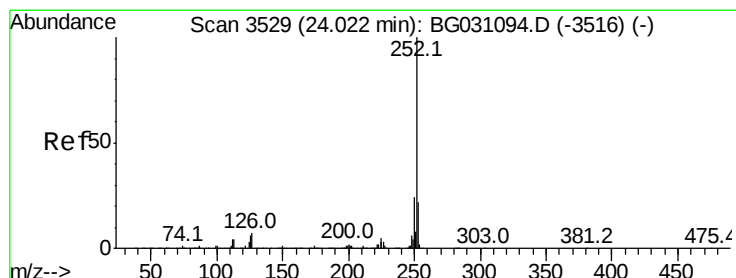
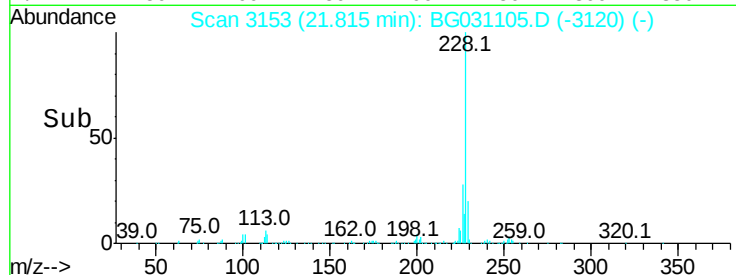
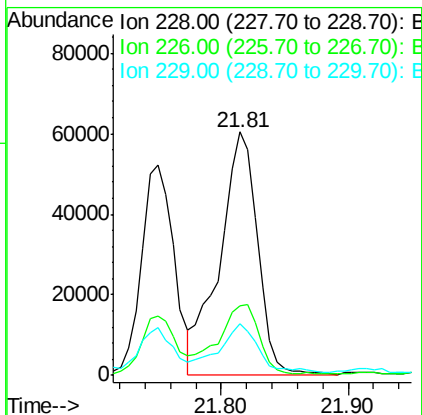
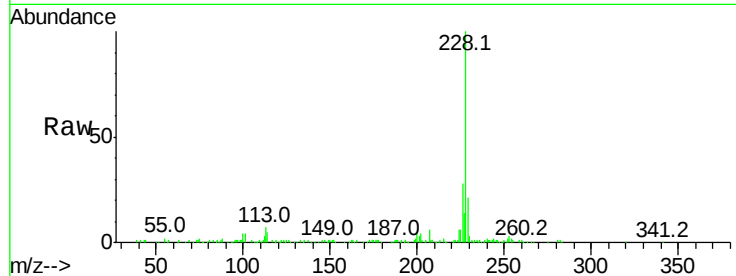
ClientSampleId :

B0FP9

Tot Ion:	228	Resp:	124084
Ion Ratio	Lower	Upper	
228	100		
226	28.5	25.0	37.6
229	21.2	16.6	25.0

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#24

Benzo(b)fluoranthene

Concen: 5.320 ng/ul

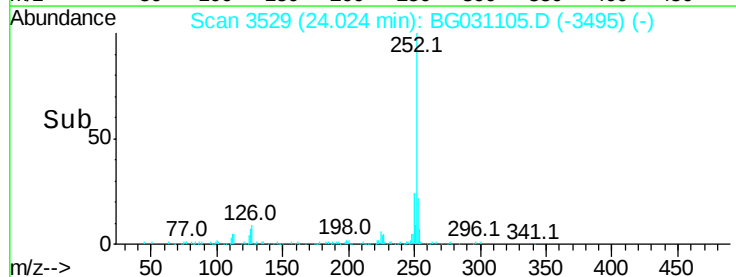
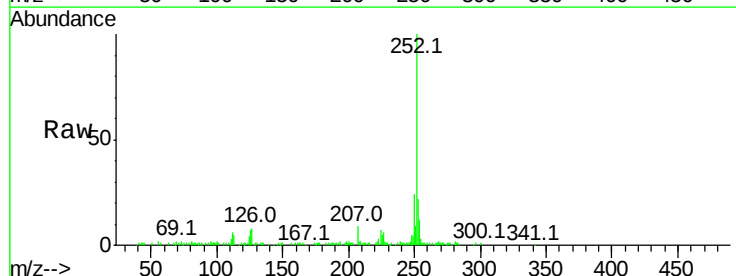
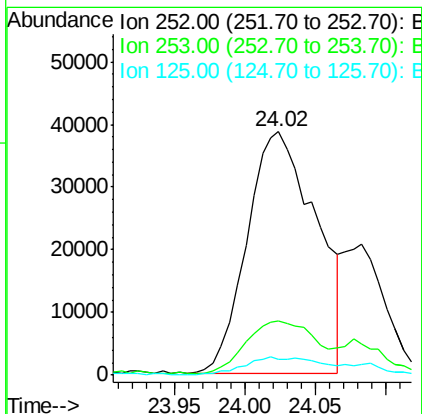
RT: 24.02 min Scan# 3529

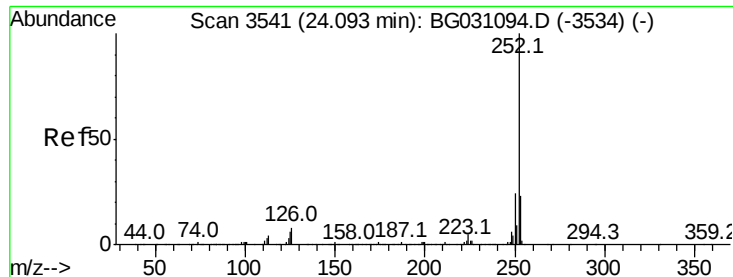
Delta R.T. 0.00 min

Lab File: BG031105.D

Acq: 18 Nov 2017 5:27

Tgt Ion:	252	Resp:	132220
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.8	26.6
125	6.7	9.4	14.0#





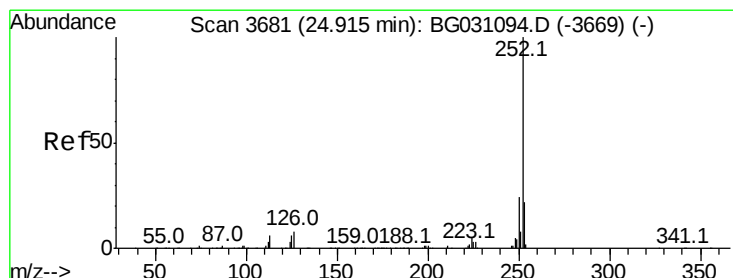
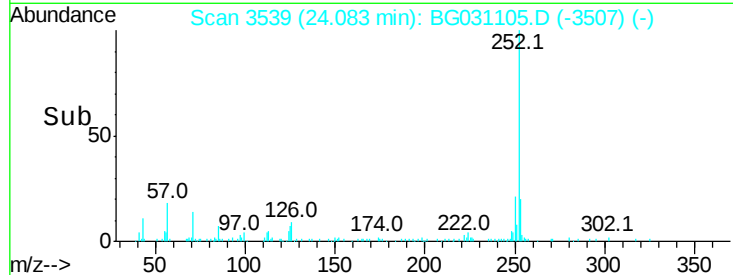
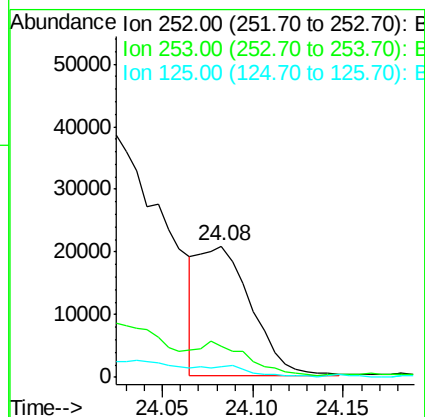
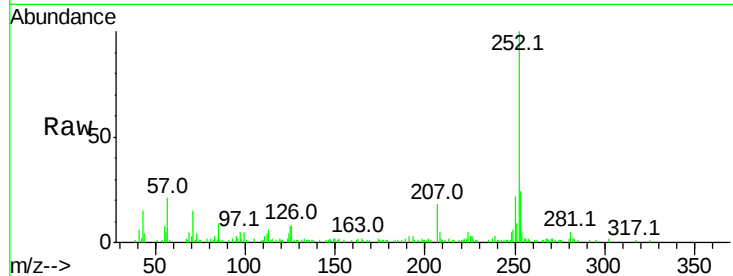
#25
Benzo(k)fluoranthene
Concen: 1.714 ng/ul m
RT: 24.08 min Scan# 3539
Delta R.T. -0.01 min
Lab File: BG031105.D
Acq: 18 Nov 2017 5:27

Instrument :
BNA_G
ClientSampled :
B0FP9

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.2
125	8.4	8.8	13.2#

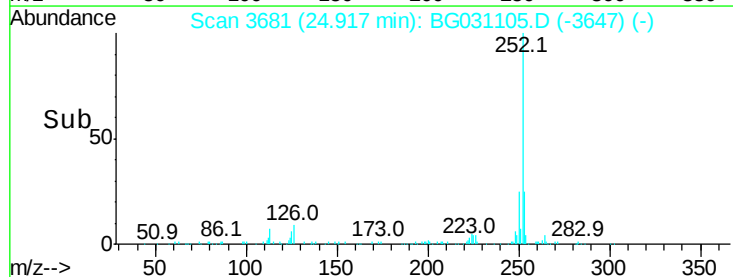
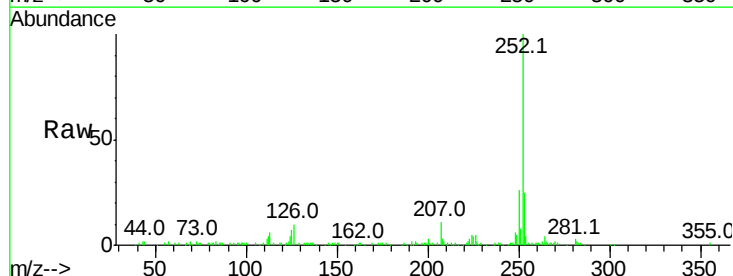
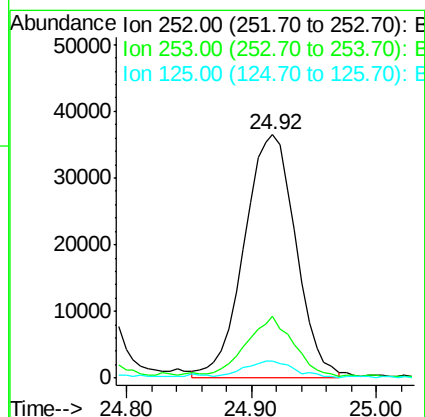
Manual Integrations
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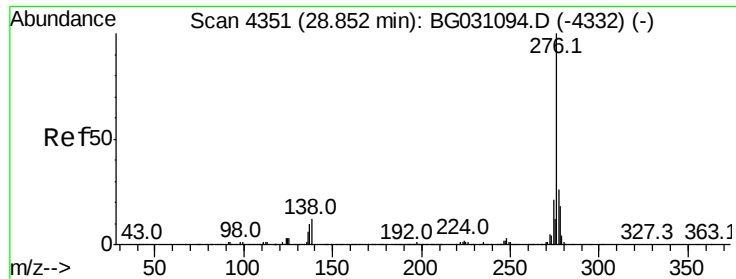
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#27
Benzo(a)pyrene
Concen: 4.372 ng/ul m
RT: 24.92 min Scan# 3681
Delta R.T. 0.00 min
Lab File: BG031105.D
Acq: 18 Nov 2017 5:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.1	25.7
125	7.1	9.4	14.2#





#28

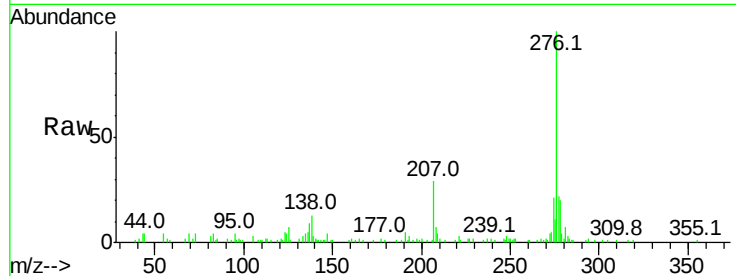
Indeno(1,2,3-cd)pyrene
Concen: 2.258 ng/ul m
RT: 28.85 min Scan# 4351
Delta R.T. 0.00 min
Lab File: BG031105.D
Acq: 18 Nov 2017 5:27

Instrument :
BNA_G
ClientSampleId :
B0FP9

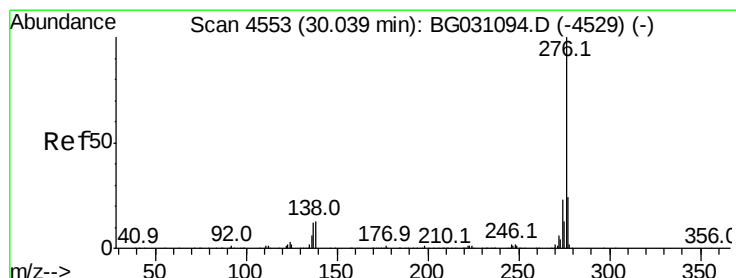
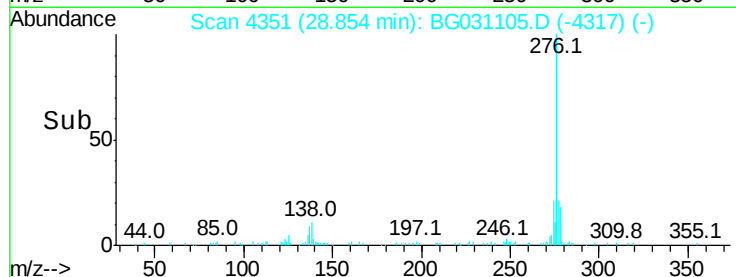
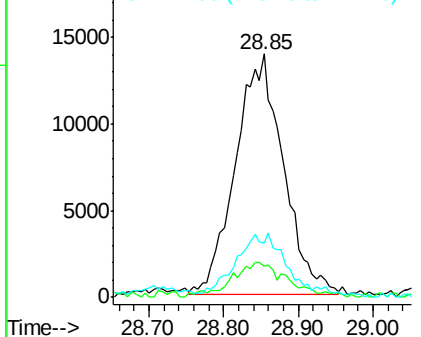
Tot Ion	Ratio	Lower	Upper
276	100		
138	12.8	17.8	26.6#
277	22.0	19.4	29.0

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#30

Benzo(g,h,i)perylene
Concen: 2.370 ng/ul m
RT: 30.03 min Scan# 4551
Delta R.T. -0.01 min
Lab File: BG031105.D
Acq: 18 Nov 2017 5:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.3	19.0	28.4#
277	24.5	19.7	29.5

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

