

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
 Data File : BG019674.D
 Acq On : 18 Nov 2015 00:12
 Operator : UM/NP
 Sample : G4427-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC7A8

Manual Integrations
 APPROVED

mohammad
 11/19/2015 8:27:02 AM

Quant Time: Nov 18 03:21:42 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 18 03:01:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	22347	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	102707	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	89647	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.52	188	259883	20.00	ng/ul	0.00
78) Chrysene-d12	21.79	240	321210	20.00	ng/ul	0.00
86) Perylene-d12	25.11	264	307521	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	1435	2.74	ng/uL	0.00
5) Phenol-d5	7.29	99	37437	16.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.46	67	23738	15.83	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	21763	14.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	28107	14.83	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	12020	14.25	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	13695	14.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	29497	14.37	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	27949	14.35	ng/ul	0.00
44) Dimethylphthalate-d6	14.17	166	113766	14.03	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	118488	13.48	ng/ul	0.00
52) 4-Nitrophenol-d4	14.97	143	14903	11.67	ng/ul	0.00
58) Fluorene-d10	15.77	176	98269	13.54	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.88	200	15684	9.34	ng/ul	0.00
71) Anthracene-d10	17.62	188	169890	13.46	ng/ul	0.00
79) Pyrene-d10	19.89	212	199579	13.64	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.87	264	215185	13.40	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	7.32	94	2727	1.10	ng/ul#	83
45) Dimethylphthalate	14.22	163	85774	10.67	ng/ul	99
70) Phenanthrene	17.56	178	94607	6.80	ng/ul	95
72) Anthracene	17.66	178	19714	1.41	ng/ul	98
77) Fluoranthene	19.56	202	256894	14.49	ng/ul	98
80) Pyrene	19.92	202	204156	10.88	ng/ul	99
83) Benzo(a)anthracene	21.77	228	113111	5.81	ng/ul	97
85) Chrysene	21.84	228	115970	6.33	ng/ul	97
88) Benzo(b)fluoranthene	24.05	252	126782	6.69	ng/ul#	93
89) Benzo(k)fluoranthene	24.11	252	45541m	2.49	ng/ul	
91) Benzo(a)pyrene	24.94	252	88113	4.83	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.89	276	52633m	2.58	ng/ul	
94) Benzo(g,h,i)perylene	30.07	276	45243m	2.67	ng/ul	

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

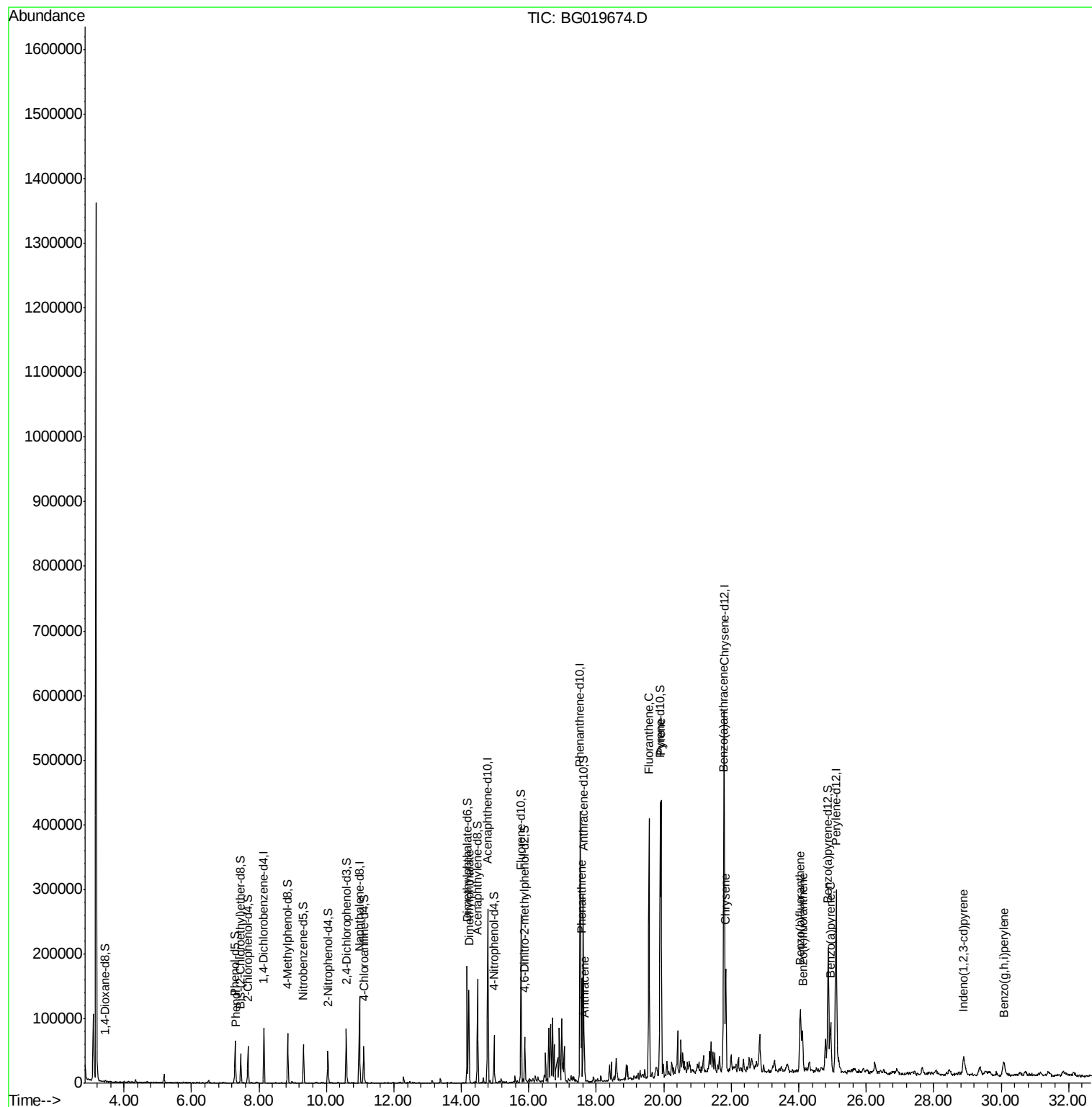
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019674.D
Acq On : 18 Nov 2015 00:12
Operator : UM/NP
Sample : G4427-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

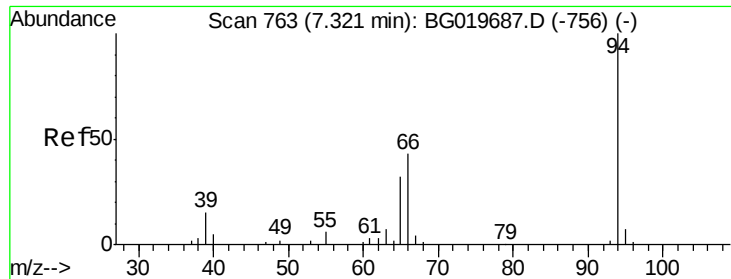
Instrument :
BNA_G
ClientSampleId :
BC7A8

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11/19/2015 8:27:02 AM

Quant Time: Nov 18 03:21:42 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 18 03:01:13 2015
Response via : Initial Calibration





#6

Phenol

Concen: 1.10 ng/ul

RT: 7.32 min Scan# 762

Delta R.T. -0.00 min

Lab File: BG019674.D

Acq: 18 Nov 2015 00:12

Instrument :

BNA_G

ClientSampleId :

BC7A8

Tot Ion: 94 Resp: 2727

Ion Ratio Lower Upper

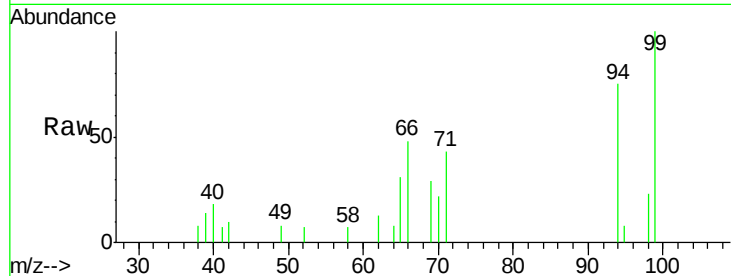
94 100

65 40.6 27.4 41.0

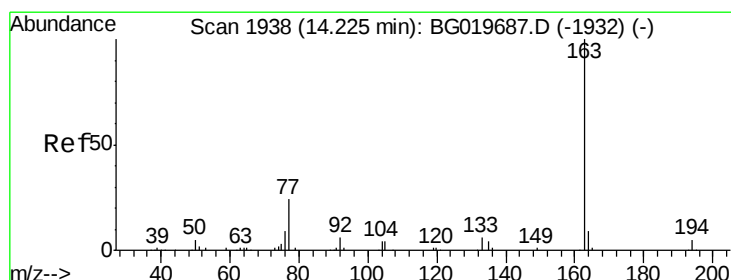
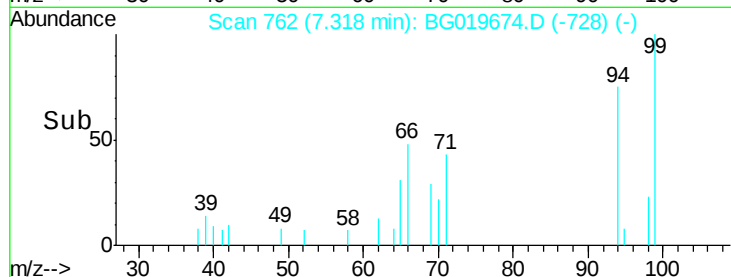
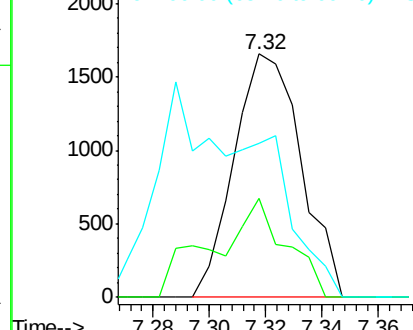
66 63.2 39.0 58.6#

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Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#45

Dimethylphthalate

Concen: 10.67 ng/ul

RT: 14.22 min Scan# 1937

Delta R.T. -0.00 min

Lab File: BG019674.D

Acq: 18 Nov 2015 00:12

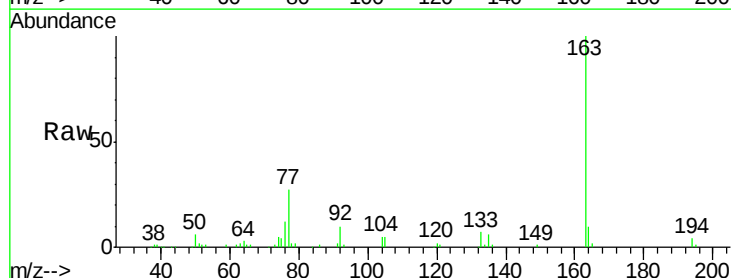
Tgt Ion:163 Resp: 85774

Ion Ratio Lower Upper

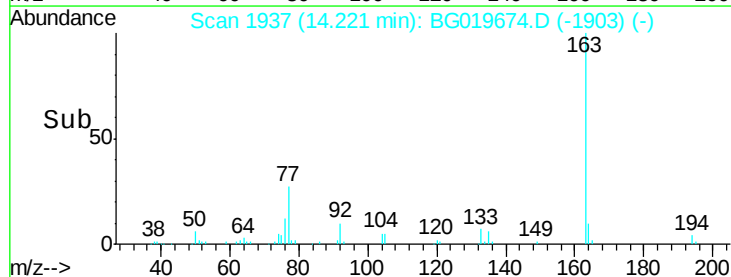
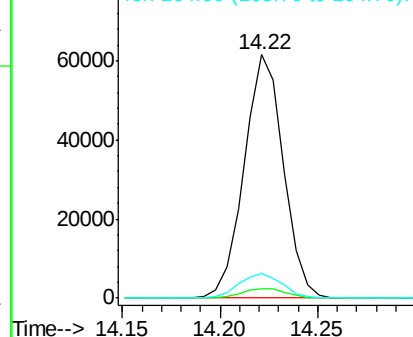
163 100

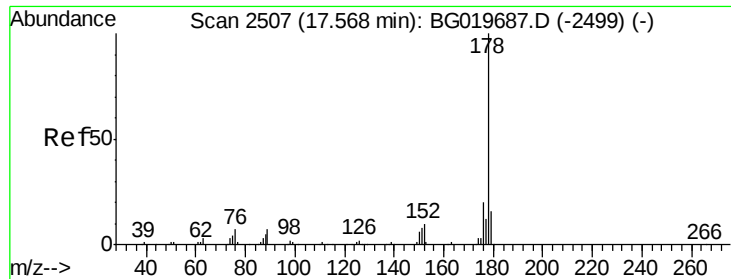
194 3.8 3.5 5.3

164 10.2 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





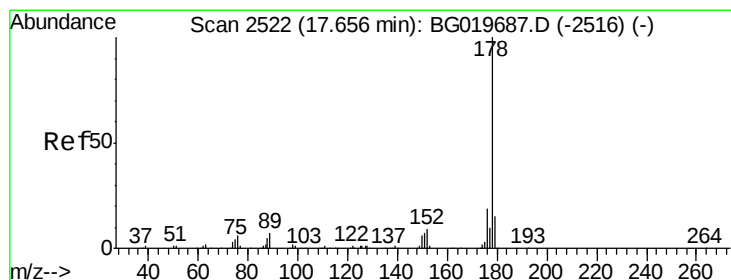
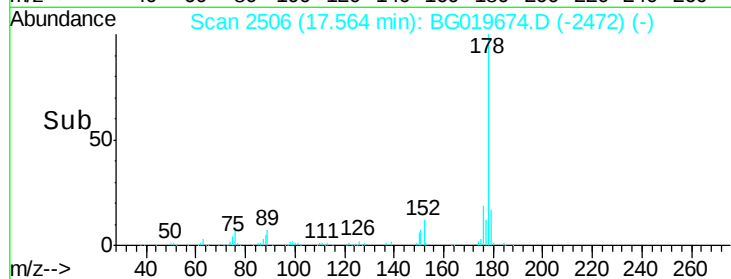
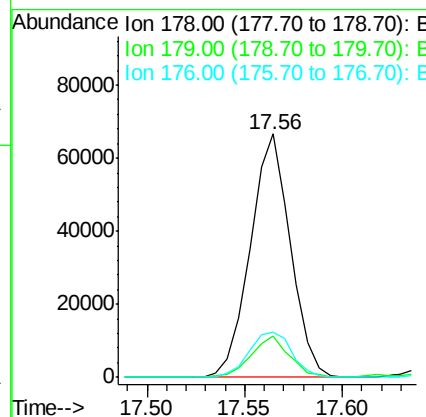
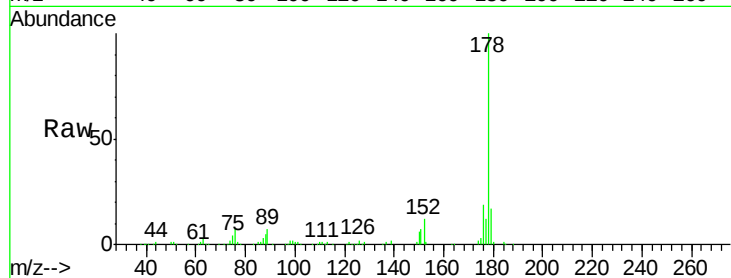
#70
Phenanthrene
Concen: 6.80 ng/ul
RT: 17.56 min Scan# 2506
Delta R.T. -0.00 min
Lab File: BG019674.D
Acq: 18 Nov 2015 00:12

Instrument :
BNA_G
ClientSampleId :
BC7A8

Tot Ion	Ratio	Lower	Upper
178	100		
179	17.1	12.2	18.2
176	18.5	16.6	24.8

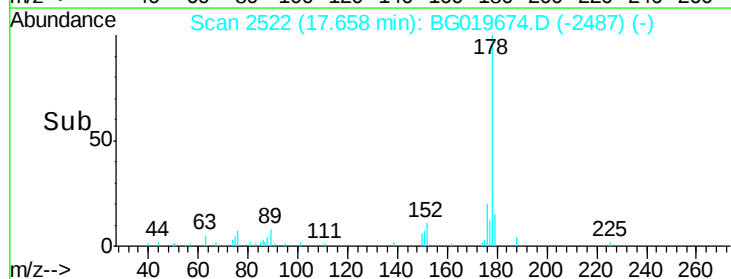
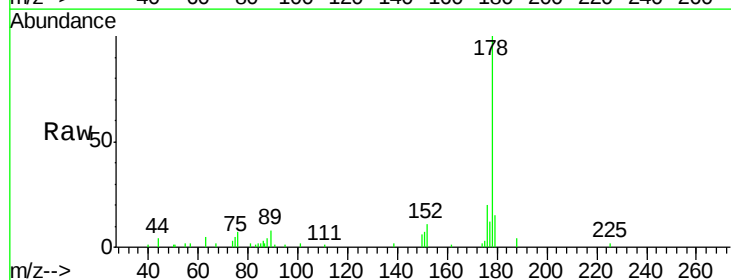
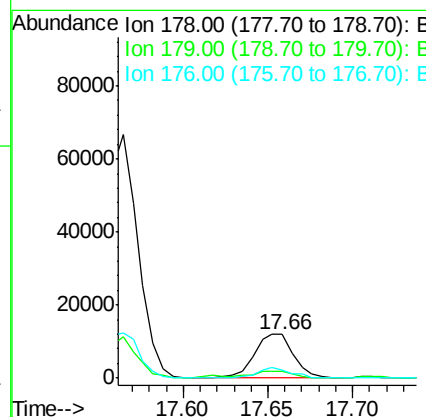
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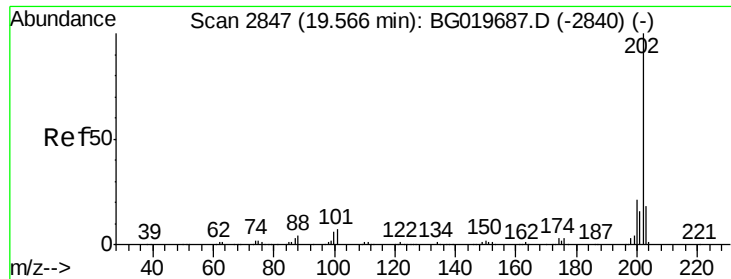
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#72
Anthracene
Concen: 1.41 ng/ul
RT: 17.66 min Scan# 2522
Delta R.T. 0.00 min
Lab File: BG019674.D
Acq: 18 Nov 2015 00:12

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	19.0
176	19.6	15.0	22.4





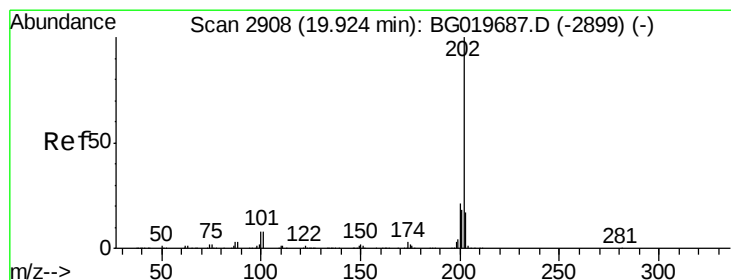
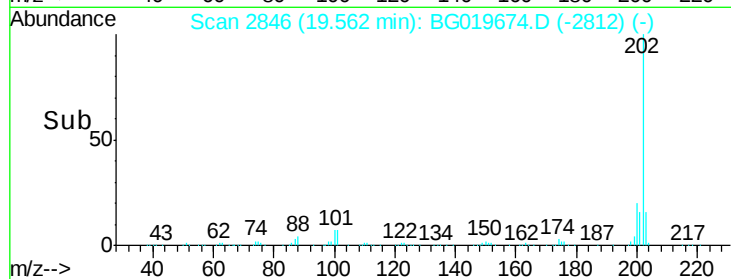
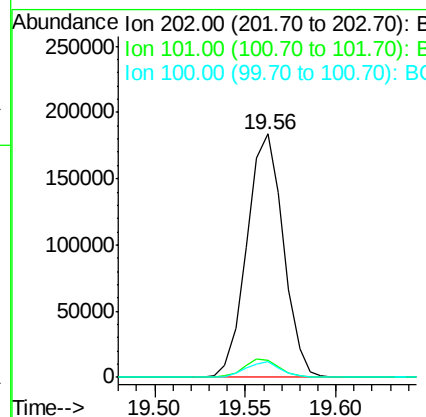
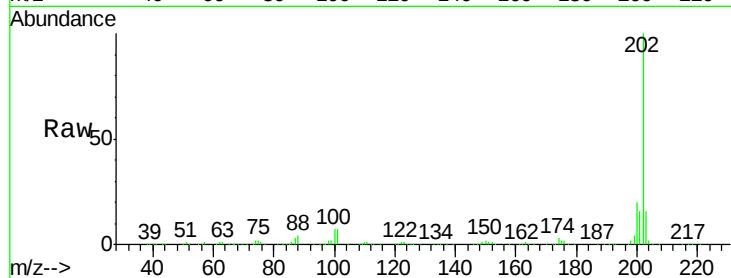
#77
Fluoranthene
 Concen: 14.49 ng/ul
 RT: 19.56 min Scan# 2846
 Delta R.T. -0.00 min
 Lab File: BG019674.D
 Acq: 18 Nov 2015 00:12

Instrument :
 BNA_G
 ClientSampleId :
 BC7A8

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		256894		
101	7.2	5.2	7.8		
100	6.6	5.0	7.4		

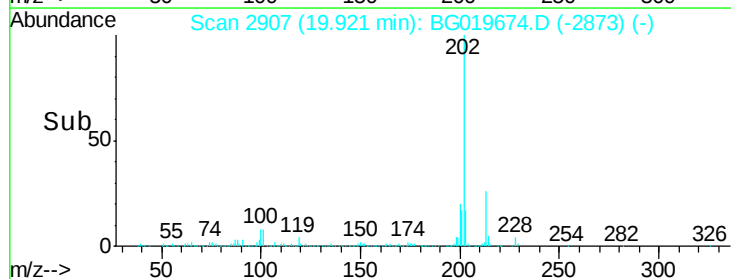
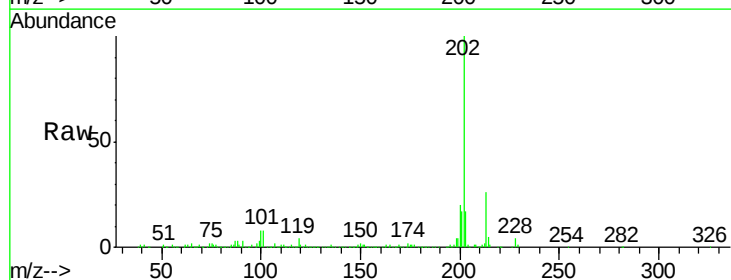
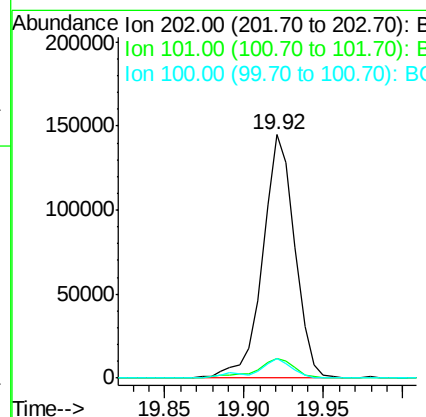
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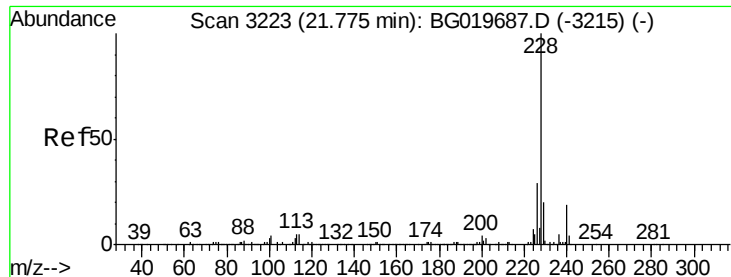
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#80
Pyrene
 Concen: 10.88 ng/ul
 RT: 19.92 min Scan# 2907
 Delta R.T. -0.00 min
 Lab File: BG019674.D
 Acq: 18 Nov 2015 00:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		204156		
101	8.3	7.0	10.6		
100	8.1	6.6	10.0		





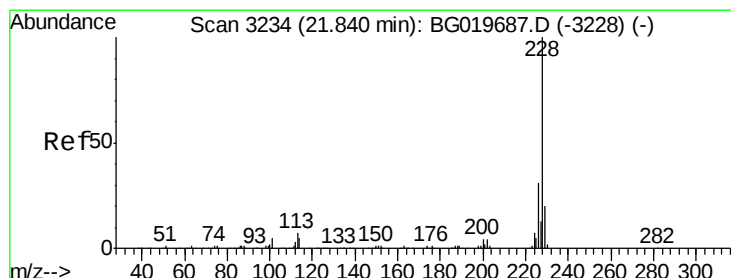
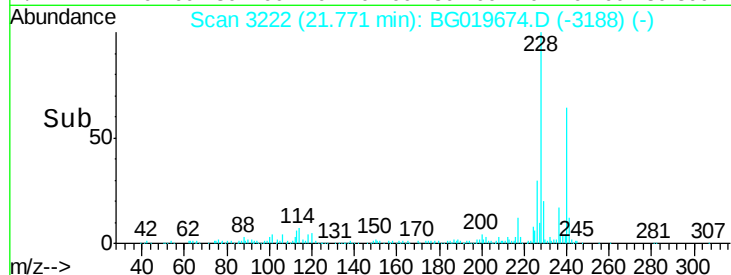
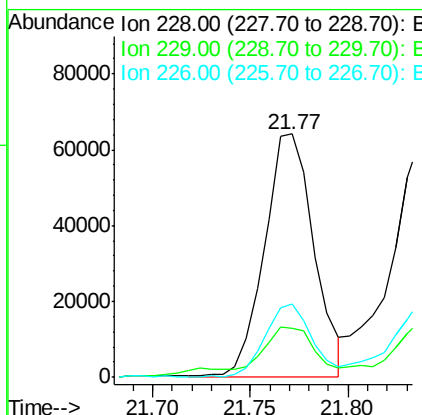
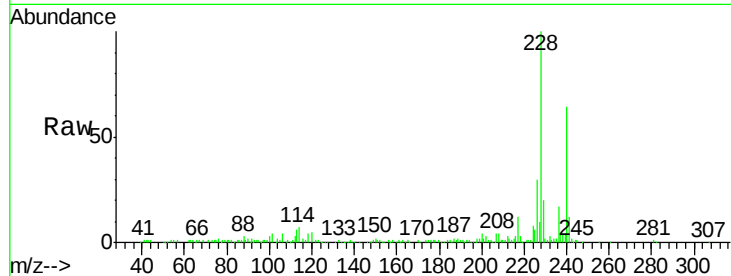
#83
Benzo(a)anthracene
Concen: 5.81 ng/ul
RT: 21.77 min Scan# 3222
Delta R.T. -0.00 min
Lab File: BG019674.D
Acq: 18 Nov 2015 00:12

Instrument :
BNA_G
ClientSampleId :
BC7A8

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.7	23.5
226	30.1	22.6	33.8

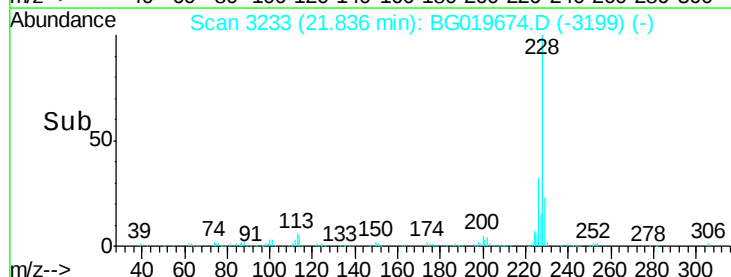
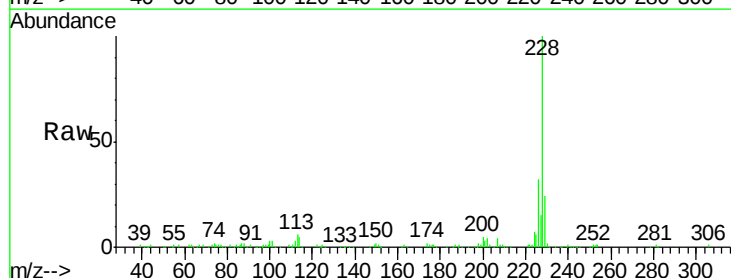
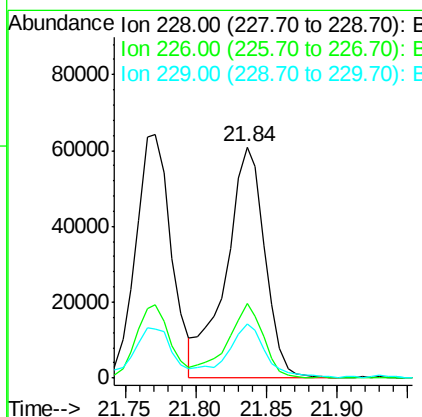
Manual Integrations
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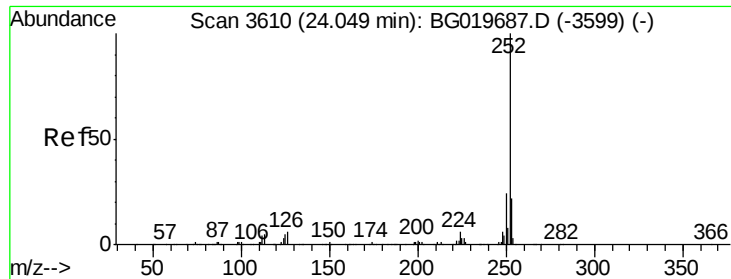
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#85
Chrysene
Concen: 6.33 ng/ul
RT: 21.84 min Scan# 3233
Delta R.T. -0.00 min
Lab File: BG019674.D
Acq: 18 Nov 2015 00:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.9	37.3
229	23.6	17.0	25.6





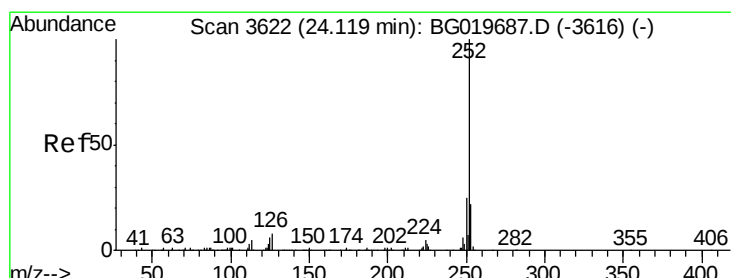
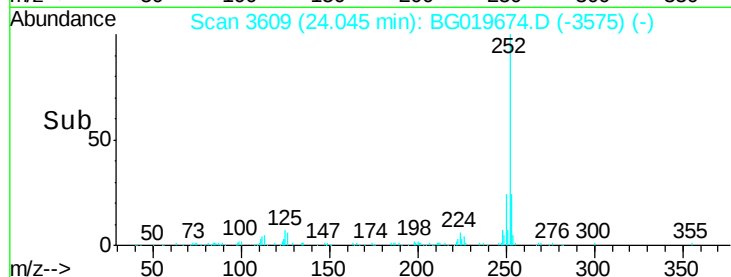
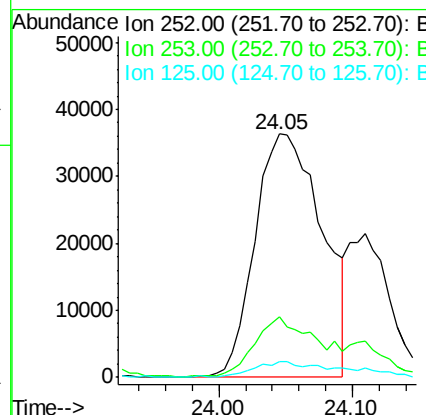
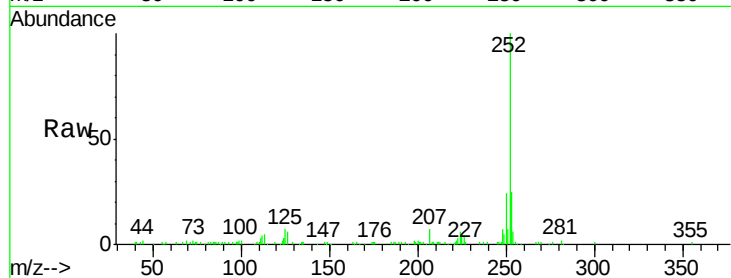
#88
Benzo(b)fluoranthene
Concen: 6.69 ng/ul
RT: 24.05 min Scan# 3609
Delta R.T. -0.00 min
Lab File: BG019674.D
Acq: 18 Nov 2015 00:12

Instrument :
BNA_G
ClientSampleId :
BC7A8

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.1	25.7
125	6.7	4.2	6.4#

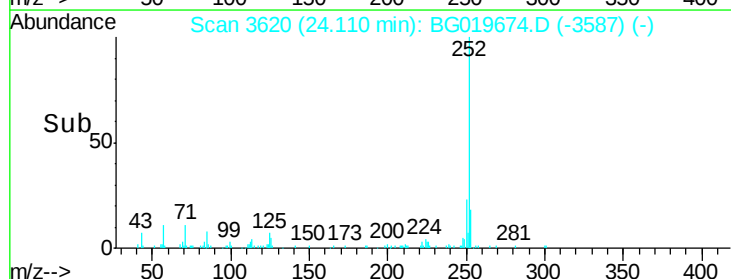
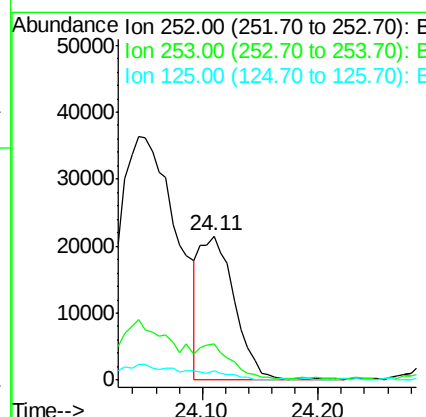
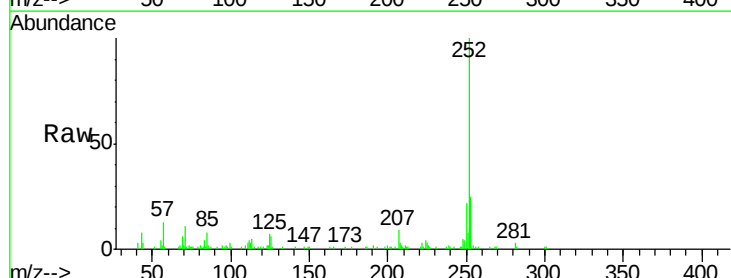
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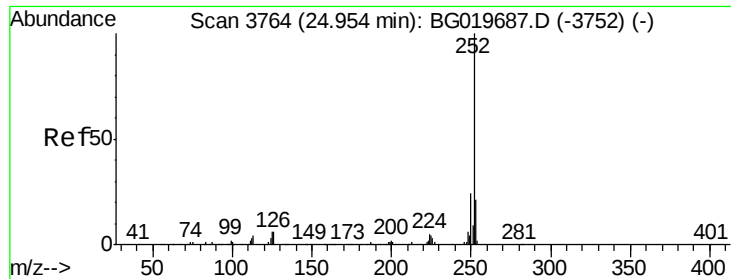
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#89
Benzo(k)fluoranthene
Concen: 2.49 ng/ul m
RT: 24.11 min Scan# 3620
Delta R.T. -0.01 min
Lab File: BG019674.D
Acq: 18 Nov 2015 00:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.1	25.7
125	6.6	4.4	6.6#





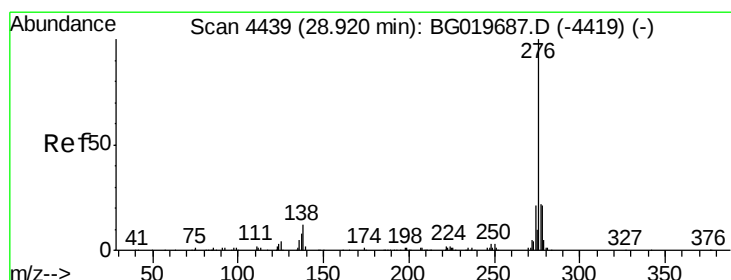
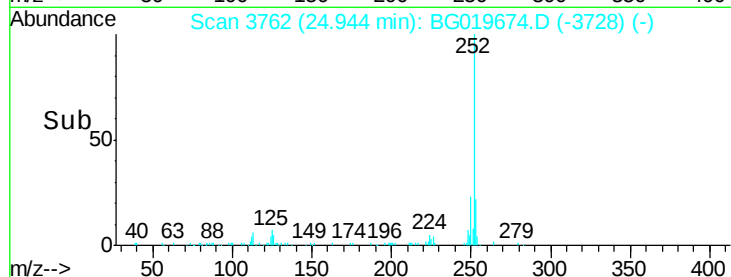
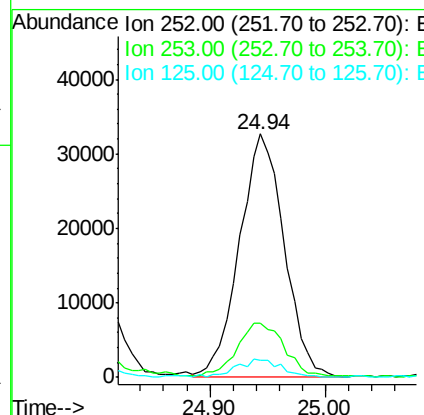
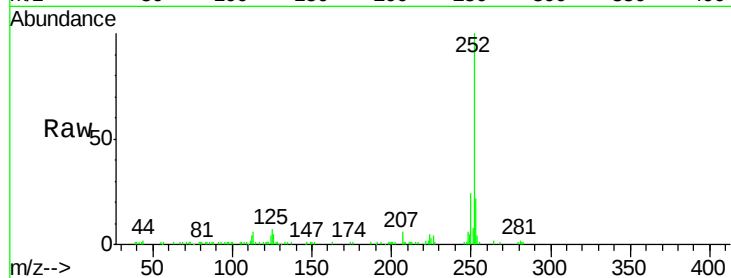
#91
Benzo(a)pyrene
Concen: 4.83 ng/ul
RT: 24.94 min Scan# 3762
Delta R.T. -0.00 min
Lab File: BG019674.D
Acq: 18 Nov 2015 00:12

Instrument :
BNA_G
ClientSampleId :
BC7A8

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	16.9	25.3
125	7.2	5.4	8.0

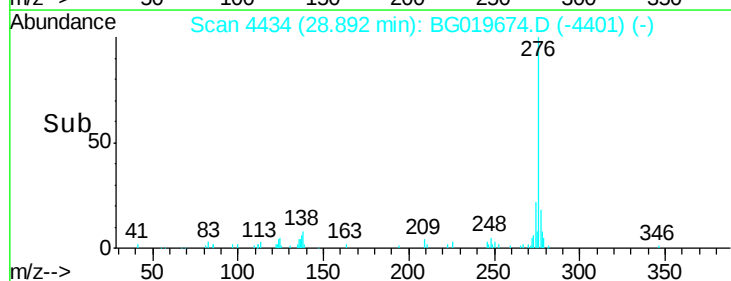
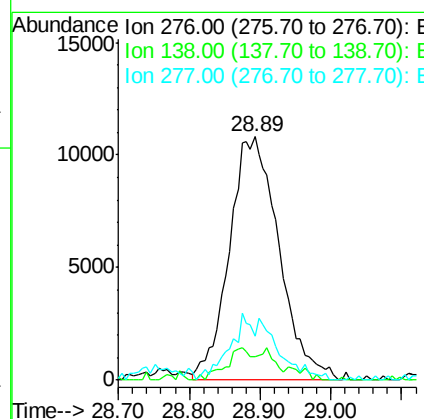
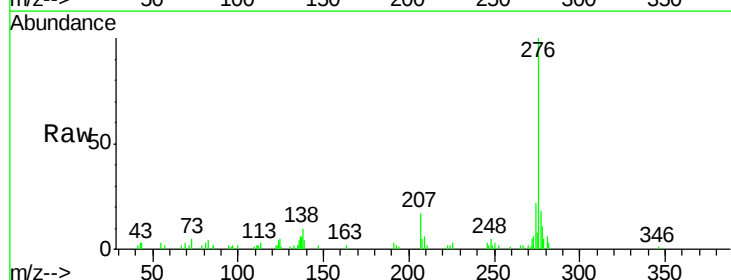
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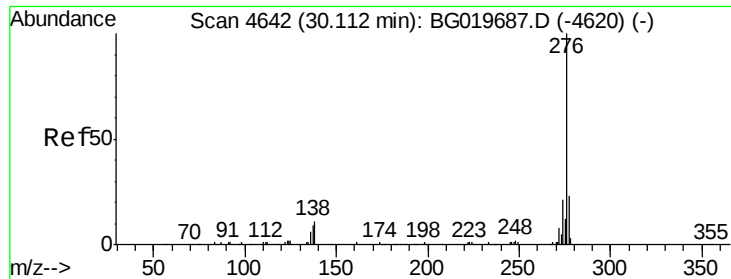
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#92
Indeno(1,2,3-cd)pyrene
Concen: 2.58 ng/ul m
RT: 28.89 min Scan# 4434
Delta R.T. -0.01 min
Lab File: BG019674.D
Acq: 18 Nov 2015 00:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.9	9.9	14.9#
277	18.1	21.3	31.9#





#94
 Benzo(a,h,i)perylene
 Concen: 2.67 ng/ul m
 RT: 30.07 min Scan# 4635
 Delta R.T. -0.02 min
 Lab File: BG019674.D
 Acq: 18 Nov 2015 00:12

Instrument :
 BNA_G
 ClientSampleId :
 BC7A8

Tot Ion:	276	Resp:	45243
Ion Ratio	Lower	Upper	
276	100		
138	13.8	9.2	13.8
277	18.9	18.6	28.0

Manual Integrations
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