

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032516\
 Data File : BG021509.D
 Acq On : 25 Mar 2016 11:00
 Operator : UM/SJ
 Sample : H1909-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4T41

Manual Integrations
 APPROVED

Sohil
 3/28/2016 7:28:50 PM

Quant Time: Mar 26 00:20:04 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG031616.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 25 23:28:37 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	13322	20.00	ng/ul	0.00
18) Naphthalene-d8	10.87	136	66160	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.68	164	42804	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.41	188	101472	20.00	ng/ul	0.00
78) Chrysene-d12	21.67	240	114567	20.00	ng/ul	0.00
86) Perylene-d12	24.89	264	110579	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	661	2.23	ng/uL	0.00
5) Phenol-d5	7.34	99	20777	16.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	13238	17.74	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	16654	17.41	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	16541	15.33	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	8872	17.87	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	9949	17.54	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	17768	17.52	ng/ul	0.00
29) 4-Chloroaniline-d4	11.01	131	20629	15.56	ng/ul	0.00
44) Dimethylphthalate-d6	14.08	166	64015	17.96	ng/ul	0.00
47) Acenaphthylene-d8	14.37	160	81273	18.50	ng/ul	0.00
52) 4-Nitrophenol-d4	15.09	143	6626	11.63	ng/ul	0.02
58) Fluorene-d10	15.66	176	58331	18.15	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.79	200	9424	14.06	ng/ul	0.00
71) Anthracene-d10	17.51	188	92206	18.54	ng/ul	0.00
79) Pyrene-d10	19.79	212	105267	19.70	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.67	264	110224	21.60	ng/ul	0.01

Target Compounds

						Ovalue
45) Dimethylphthalate	14.12	163	16669	4.50	ng/ul	99
70) Phenanthrene	17.46	178	27998	4.87	ng/ul	96
72) Anthracene	17.54	178	7174m	1.23	ng/ul	
77) Fluoranthene	19.46	202	83541	12.05	ng/ul#	95
80) Pyrene	19.82	202	69373	10.16	ng/ul	95
83) Benzo(a)anthracene	21.65	228	40771	5.90	ng/ul	100
85) Chrysene	21.72	228	43232	6.60	ng/ul	92
88) Benzo(b)fluoranthene	23.87	252	55856	7.86	ng/ul	99
89) Benzo(k)fluoranthene	23.92	252	21689m	3.11	ng/ul	
91) Benzo(a)pyrene	24.73	252	39369	5.71	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.54	276	25643	3.27	ng/ul	96
94) Benzo(g,h,i)perylene	29.69	276	20815	3.23	ng/ul	99

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

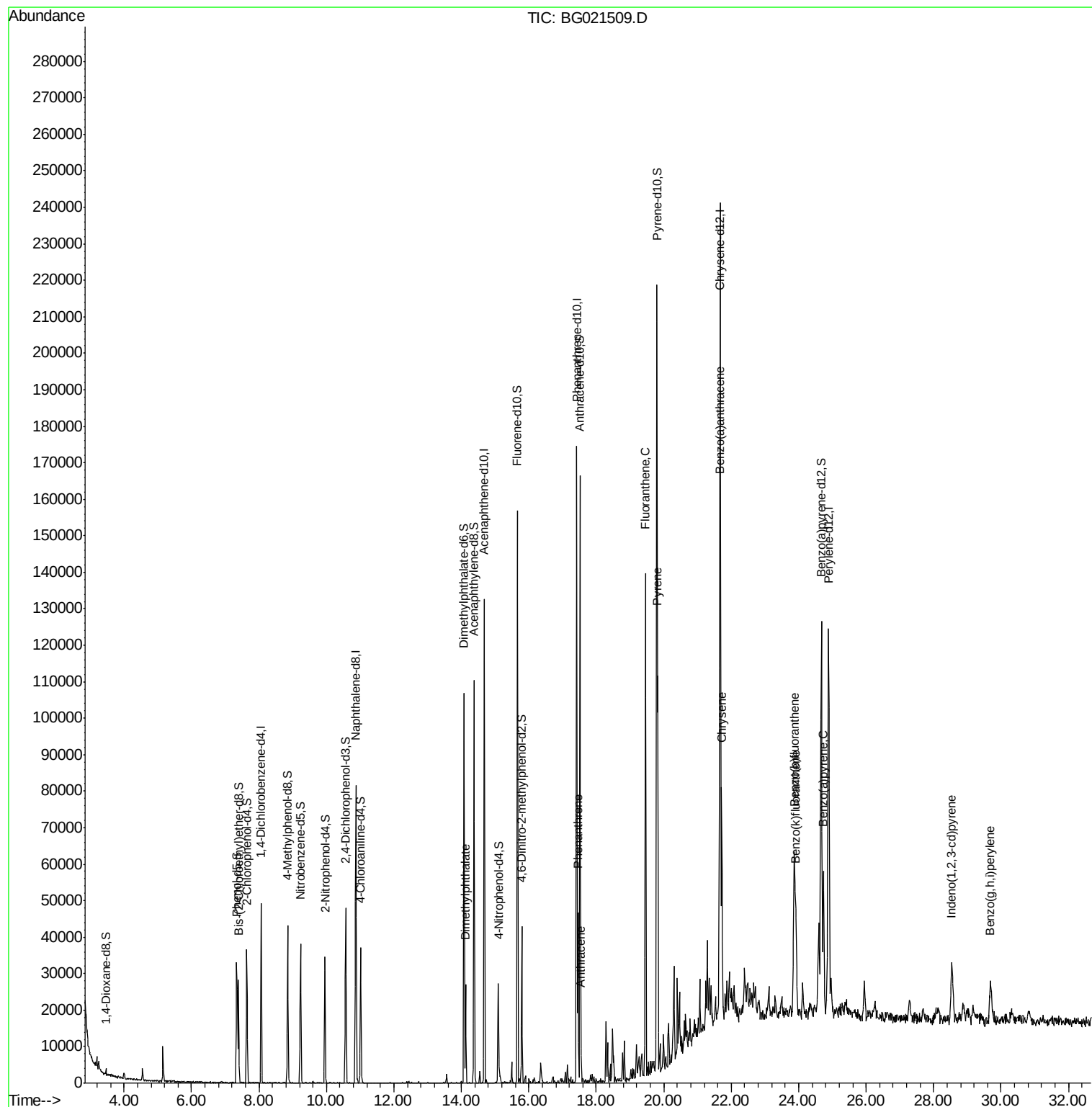
Data Path : Z:\HPCHEM1\BNA G\DATA\BG032516\
Data File : BG021509.D
Acq On : 25 Mar 2016 11:00
Operator : UM/SJ
Sample : H1909-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

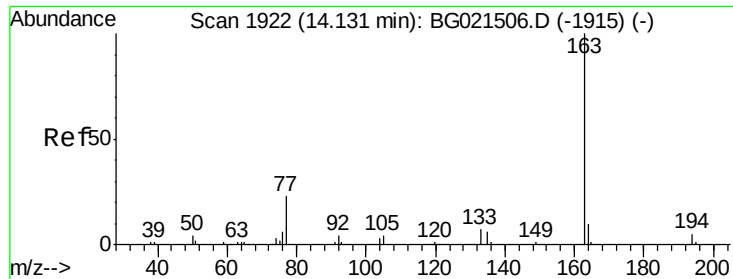
Instrument :
BNA_G
ClientSampleId :
A4T41

Manual Integrations
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Quant Time: Mar 26 00:20:04 2016
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Quant Title : SVOA CALIBRATION
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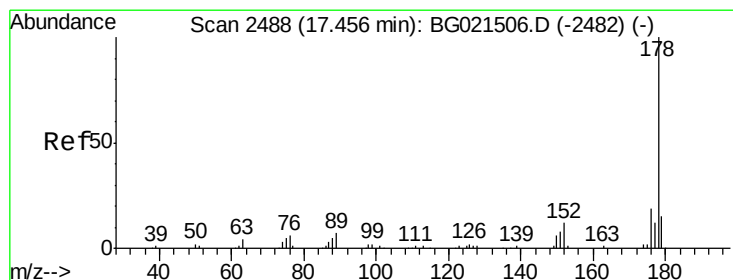
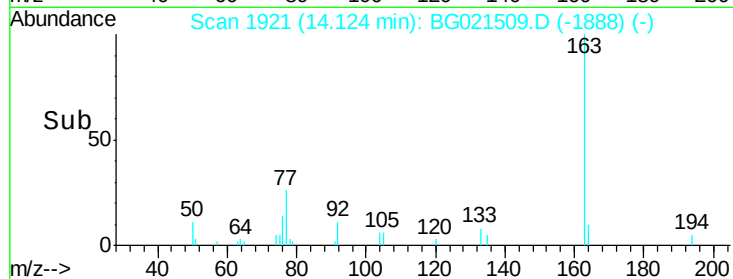
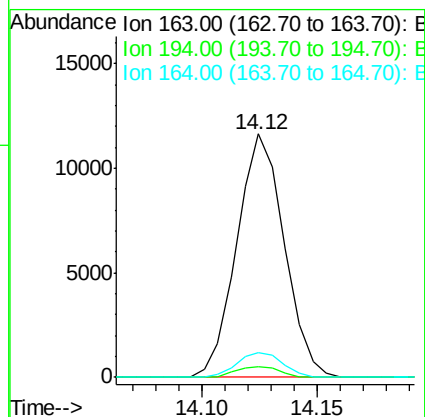
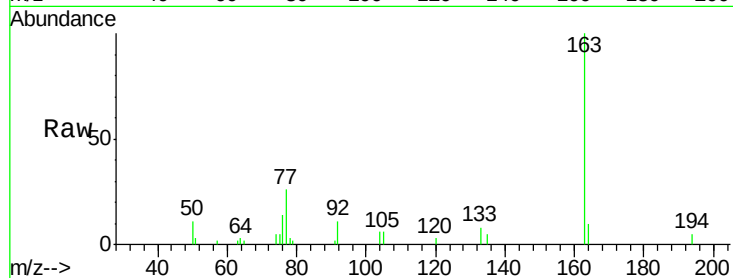
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Dimethylphthalate
Concen: 4.50 ng/ul
RT: 14.12 min Scan# 1921
Delta R.T. -0.01 min
Lab File: BG021509.D
Acq: 25 Mar 2016 11:00

Instrument :
BNA_G
ClientSampleId :
A4T41

Tot Ion	Ratio	Resp	Lower	Upper
163	100	16669		
194	4.5		3.9	5.9
164	10.4		8.7	13.1

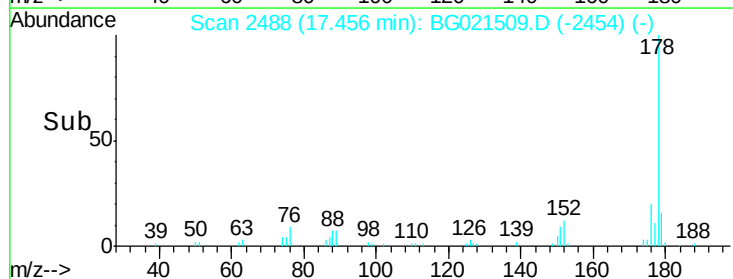
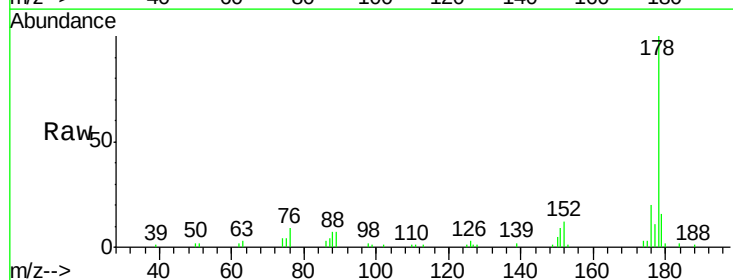
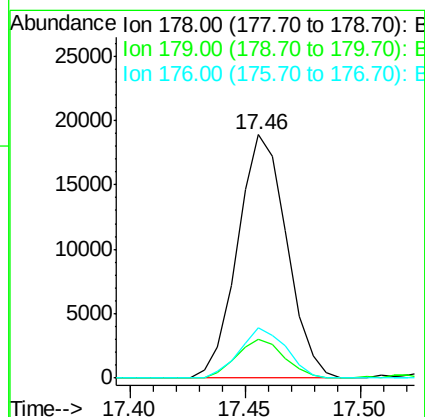
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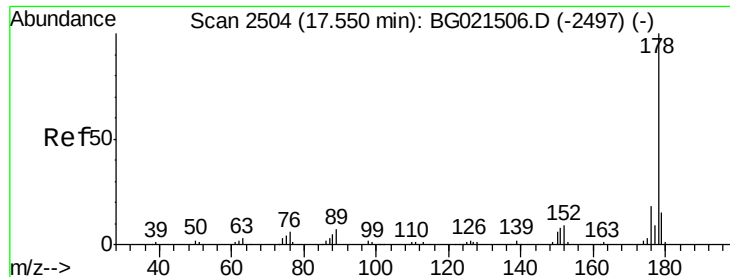
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#70
Phenanthrene
Concen: 4.87 ng/ul
RT: 17.46 min Scan# 2488
Delta R.T. -0.00 min
Lab File: BG021509.D
Acq: 25 Mar 2016 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	27998		
179	16.0		11.8	17.8
176	20.4		14.8	22.2





#72

Anthracene

Concen: 1.23 ng/ul m

RT: 17.54 min Scan# 2503

Delta R.T. -0.01 min

Lab File: BG021509.D

Acq: 25 Mar 2016 11:00

Instrument :

BNA_G

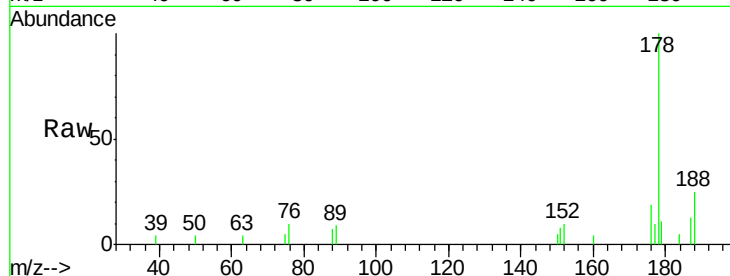
ClientSampleId :

A4T41

Tot Ion	Ratio	Lower	Upper
178	100		
179	11.2	12.9	19.3#
176	19.2	15.6	23.4

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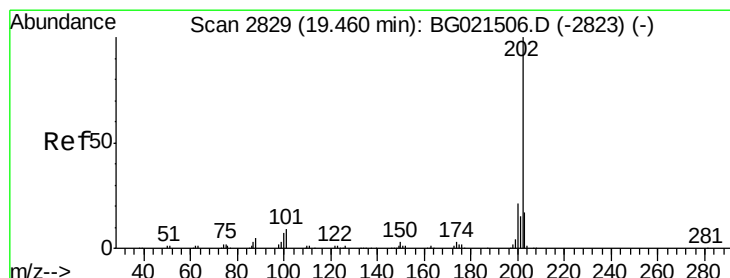
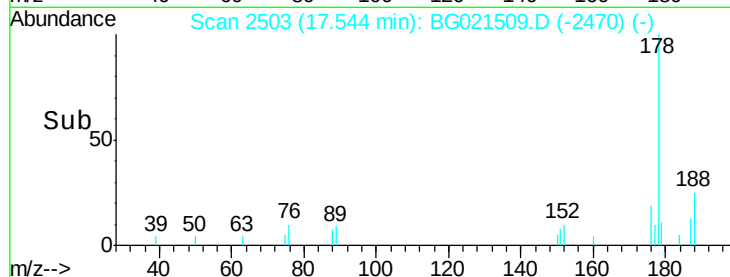
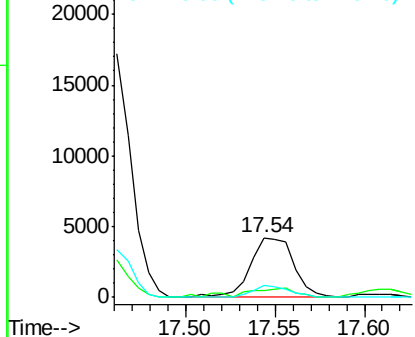
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#77

Fluoranthene

Concen: 12.05 ng/ul

RT: 19.46 min Scan# 2829

Delta R.T. -0.00 min

Lab File: BG021509.D

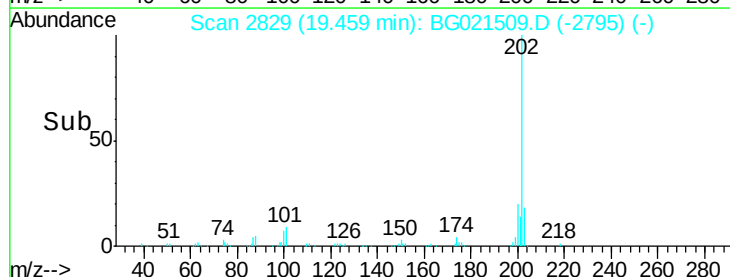
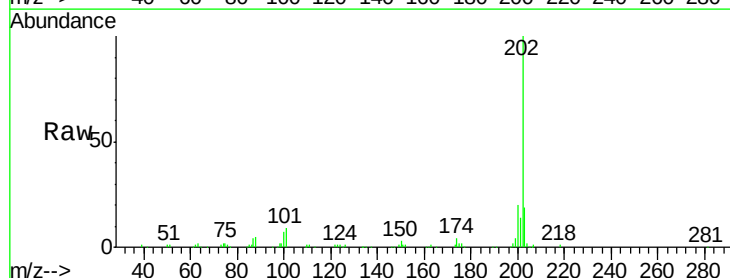
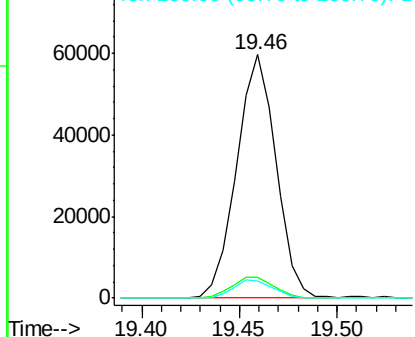
Acq: 25 Mar 2016 11:00

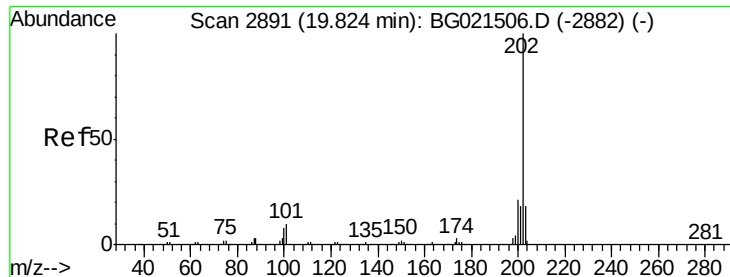
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	8.9	13.3#
100	7.0	7.0	10.4

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





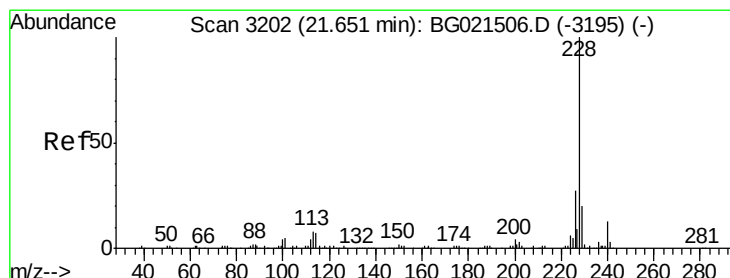
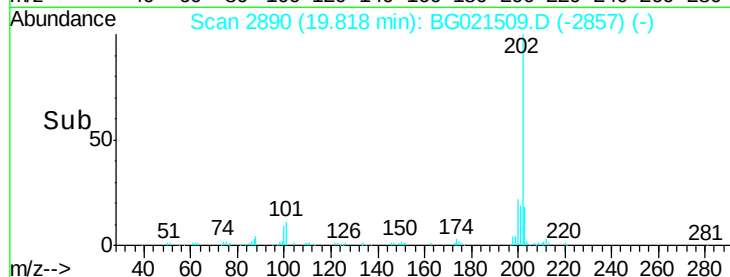
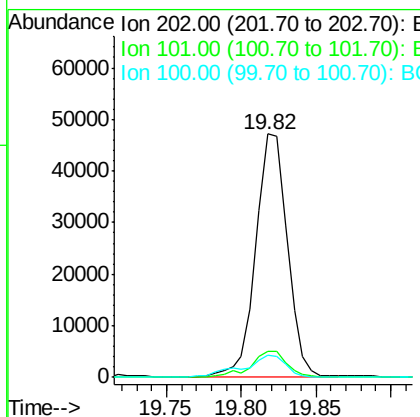
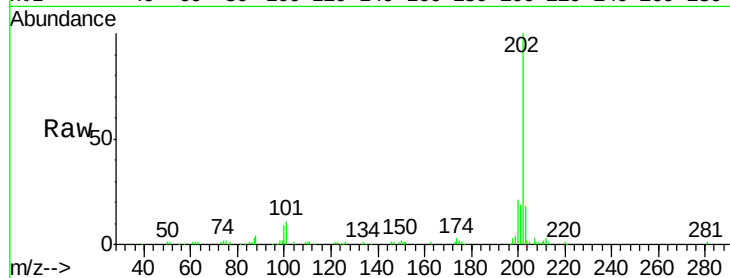
#80
Pvrene
Concen: 10.16 ng/ul
RT: 19.82 min Scan# 2890
Delta R.T. -0.01 min
Lab File: BG021509.D
Acq: 25 Mar 2016 11:00

Instrument :
BNA_G
ClientSampleId :
A4T41

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.9	9.8	14.8
100	9.3	9.3	13.9

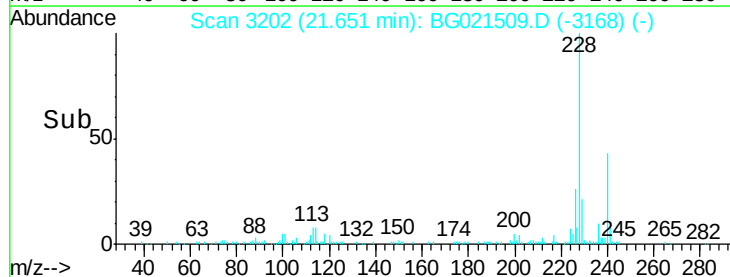
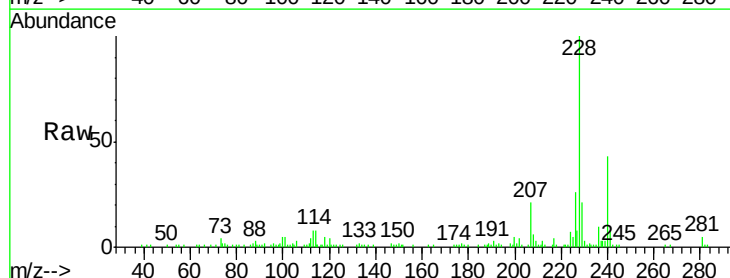
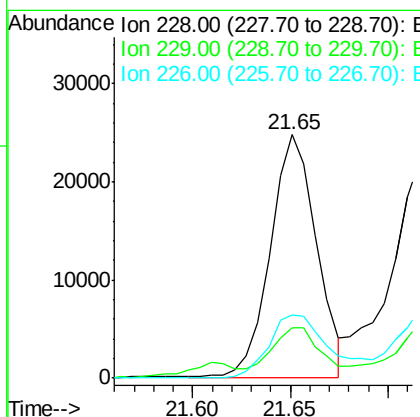
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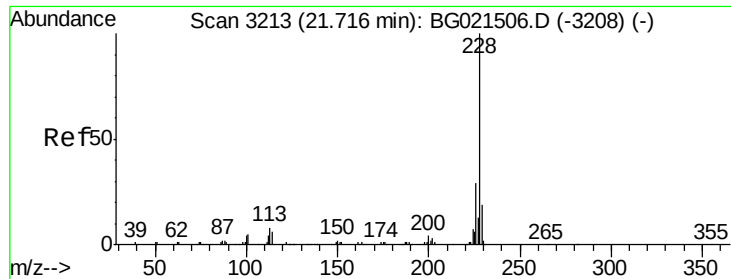
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#83
Benzo(a)anthracene
Concen: 5.90 ng/ul
RT: 21.65 min Scan# 3202
Delta R.T. -0.00 min
Lab File: BG021509.D
Acq: 25 Mar 2016 11:00

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	16.6	25.0
226	25.9	21.0	31.4





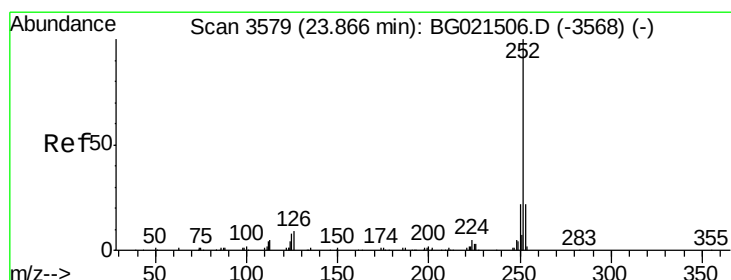
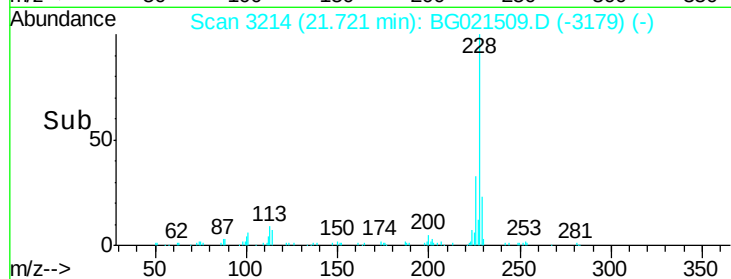
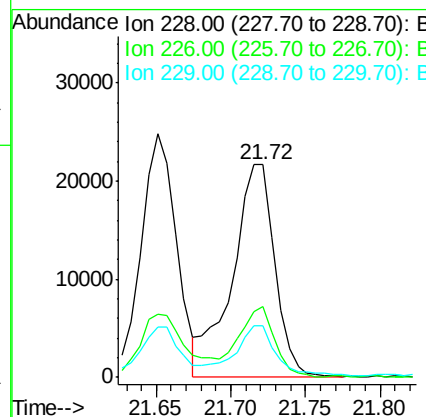
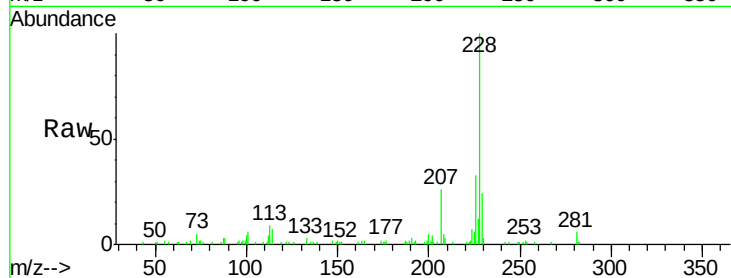
#85
Chrysene
Concen: 6.60 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. 0.01 min
Lab File: BG021509.D
Acq: 25 Mar 2016 11:00

Instrument :
BNA_G
ClientSampleId :
A4T41

Tot Ion:	228	Resp:	43232
Ion Ratio	Lower	Upper	
228	100		
226	33.2	23.4	35.2
229	24.1	16.2	24.2

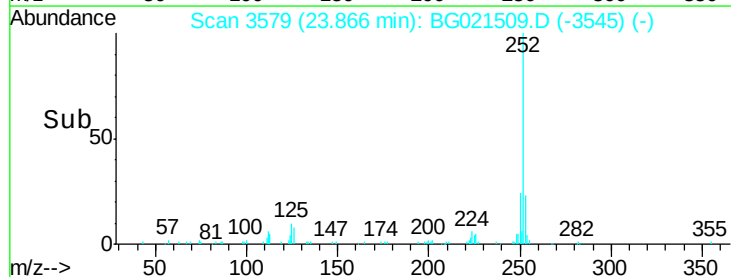
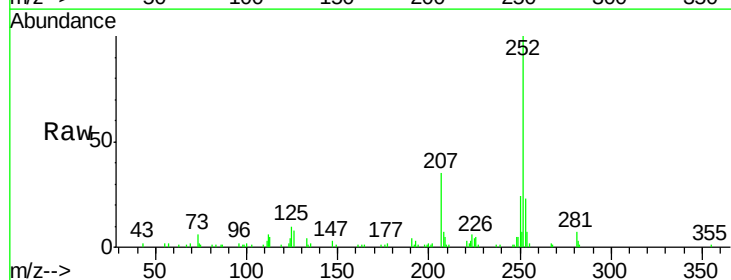
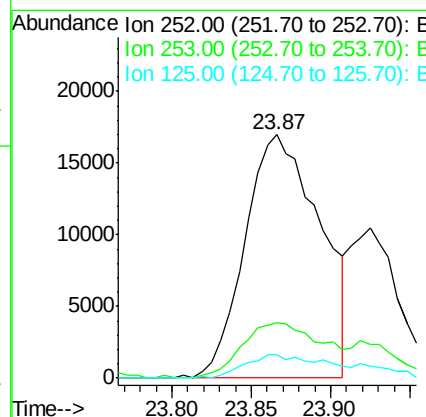
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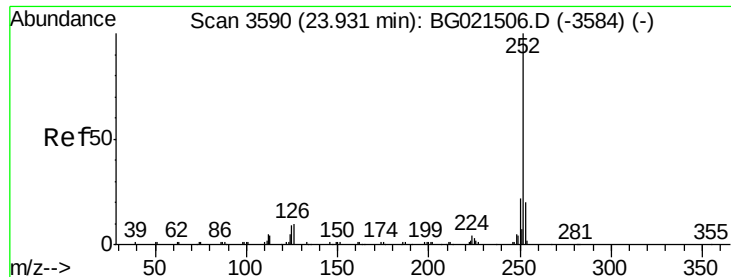
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#88
Benzo(b)fluoranthene
Concen: 7.86 ng/ul
RT: 23.87 min Scan# 3579
Delta R.T. -0.00 min
Lab File: BG021509.D
Acq: 25 Mar 2016 11:00

Tgt Ion:	252	Resp:	55856
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.1	27.1
125	9.7	7.6	11.4





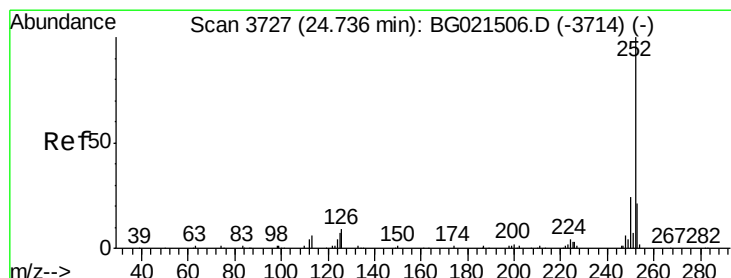
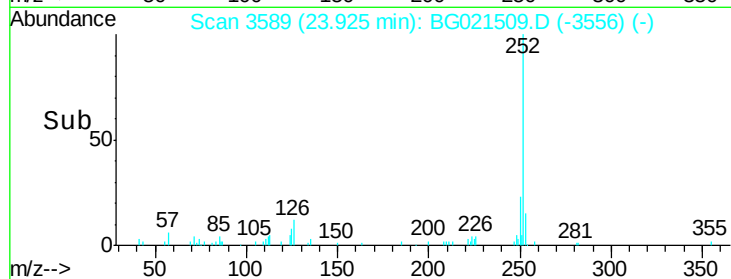
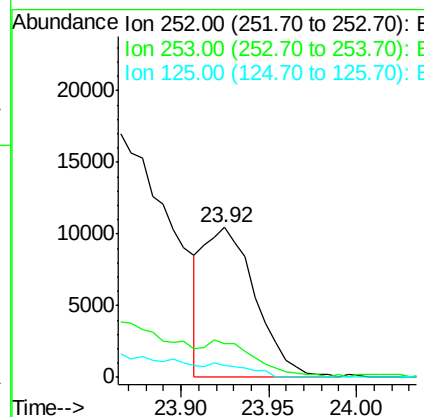
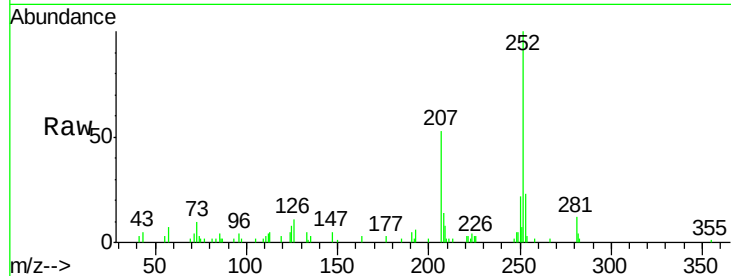
#89
Benzo(k)fluoranthene
Concen: 3.11 ng/ul m
RT: 23.92 min Scan# 3589
Delta R.T. -0.01 min
Lab File: BG021509.D
Acq: 25 Mar 2016 11:00

Instrument :
BNA_G
ClientSampled :
A4T41

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	7.9	7.7	11.5

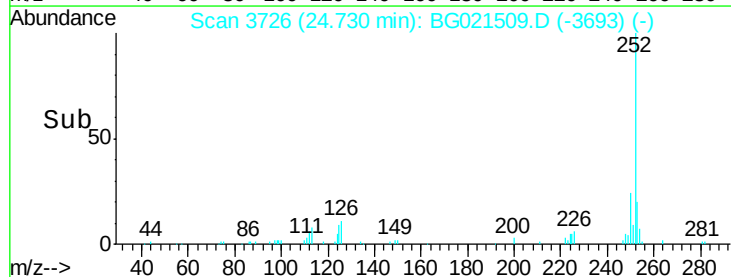
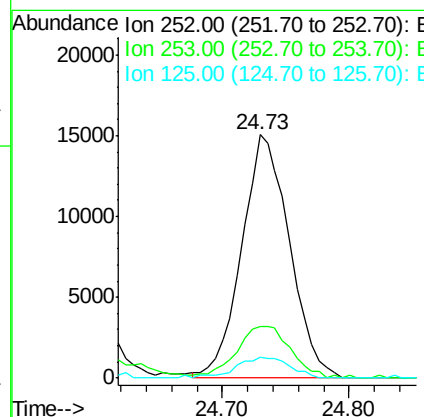
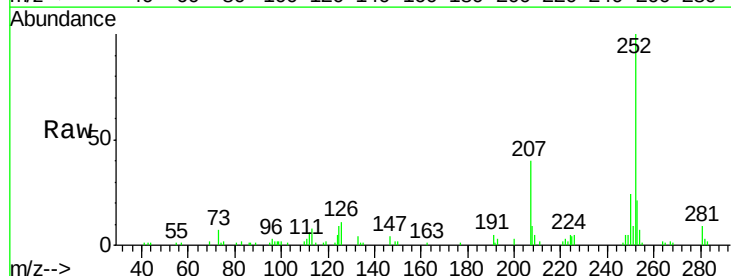
Manual Integrations
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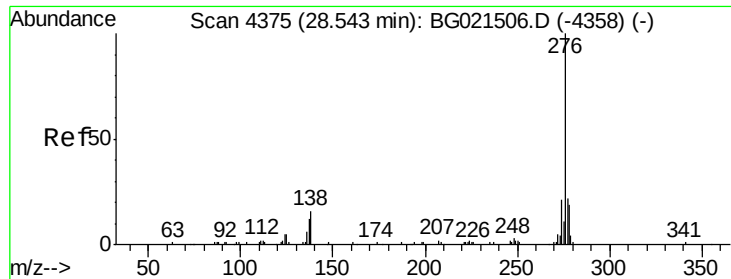
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#91
Benzo(a)pyrene
Concen: 5.71 ng/ul
RT: 24.73 min Scan# 3726
Delta R.T. -0.01 min
Lab File: BG021509.D
Acq: 25 Mar 2016 11:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.0
125	8.8	8.2	12.2





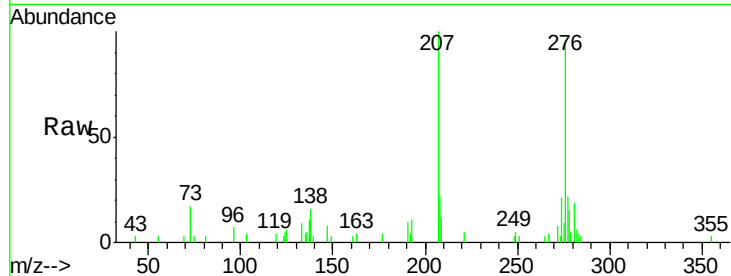
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 3.27 ng/ul
 RT: 28.54 min Scan# 4375
 Delta R.T. -0.00 min
 Lab File: BG021509.D
 Acq: 25 Mar 2016 11:00

Instrument :
 BNA_G
 ClientSampleId :
 A4T41

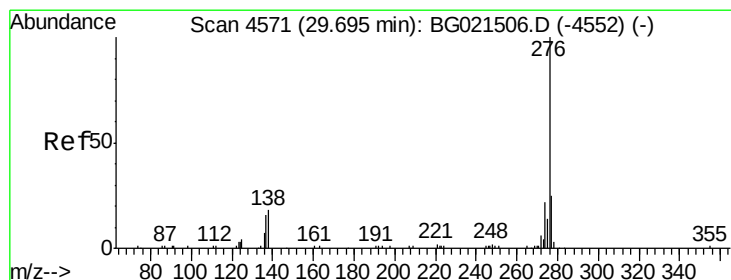
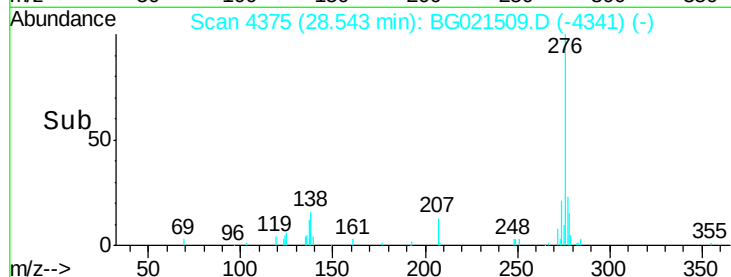
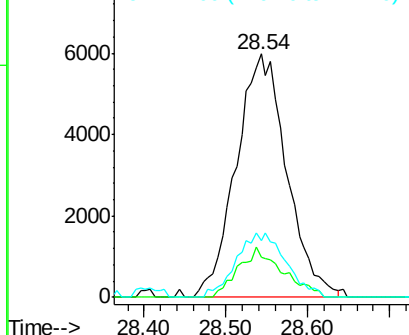
Tot Ion:	276	Resp:	25643
Ion Ratio	Lower	Upper	
276	100		
138	16.3	15.8	23.6
277	23.1	19.0	28.6

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



#94
 Benzo(g,h,i)perylene
 Concen: 3.23 ng/ul
 RT: 29.69 min Scan# 4570
 Delta R.T. -0.01 min
 Lab File: BG021509.D
 Acq: 25 Mar 2016 11:00

Tgt Ion:	276	Resp:	20815
Ion Ratio	Lower	Upper	
276	100		
138	17.1	13.9	20.9
277	24.2	19.8	29.6

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

