

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072715\
 Data File : BG018163.D
 Acq On : 29 Jul 2015 1:03
 Operator : TP/UM
 Sample : G3035-13DL 5X
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02J6DL

Manual Integrations
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 7/29/2015 1:21:37 PM

Quant Time: Aug 06 17:34:43 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 29 01:59:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	38075	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	173189	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.19	164	111073	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.94	188	218045	20.00	ng/ul	0.01
78) Chrysene-d12	21.16	240	225507	20.00	ng/ul	0.01
86) Perylene-d12	23.35	264	240392	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	373	0.61	ng/uL	0.01
5) Phenol-d5	6.71	99	11323	3.86	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.86	67	5999	4.14	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	11020	4.23	ng/ul	0.01
13) 4-Methylphenol-d8	8.24	113	10109	3.88	ng/ul	0.01
19) Nitrobenzene-d5	8.67	128	6228	4.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	6371	4.41	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.93	165	12156	4.83	ng/ul	0.02
29) 4-Chloroaniline-d4	10.45	131	10900	3.72	ng/ul	0.01
44) Dimethylphthalate-d6	13.60	166	34164	4.38	ng/ul	0.00
47) Acenaphthylene-d8	13.88	160	45330	4.73	ng/ul	0.01
52) 4-Nitrophenol-d4	14.42	143	4535	2.76	ng/ul	0.02
58) Fluorene-d10	15.19	176	32603	4.52	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.04	188	44800	4.74	ng/ul	0.01
79) Pyrene-d10	19.35	212	45300	4.39	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.21	264	44795	3.90	ng/ul	0.01

Target Compounds

						Qvalue
14) Acetophenone	8.34	105	3782	1.03	ng/ul	95
28) Naphthalene	10.35	128	10952	1.35	ng/ul	97
34) 2-Methylnaphthalene	11.97	142	8894	1.45	ng/ul	87
45) Dimethylphthalate	13.65	163	10185	1.30	ng/ul	97
50) Acenaphthene	14.25	153	29837	4.53	ng/ul	95
54) Dibenzofuran	14.59	168	28346	3.03	ng/ul	95
59) Fluorene	15.25	166	33428	4.15	ng/ul	95
70) Phenanthrene	16.99	178	412969	37.69	ng/ul	99
72) Anthracene	17.08	178	103999	9.35	ng/ul	99
75) Carbazole	17.36	167	37545	3.90	ng/ul	99
77) Fluoranthene	19.02	202	444975	38.13	ng/ul#	95
80) Pyrene	19.39	202	487638	37.76	ng/ul	94
83) Benzo(a)anthracene	21.14	228	243487	20.41	ng/ul	99
85) Chrysene	21.19	228	221775	19.75	ng/ul	96
88) Benzo(b)fluoranthene	22.70	252	243964	18.52	ng/ul	99
89) Benzo(k)fluoranthene	22.73	252	95844m	7.52	ng/ul	
91) Benzo(a)pyrene	23.25	252	194364	15.24	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.57	276	93536	6.36	ng/ul#	93
93) Dibenzo(a,h)anthracene	25.58	278	28912	2.30	ng/ul#	88
94) Benzo(g,h,i)perylene	26.26	276	80836	6.65	ng/ul#	92

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

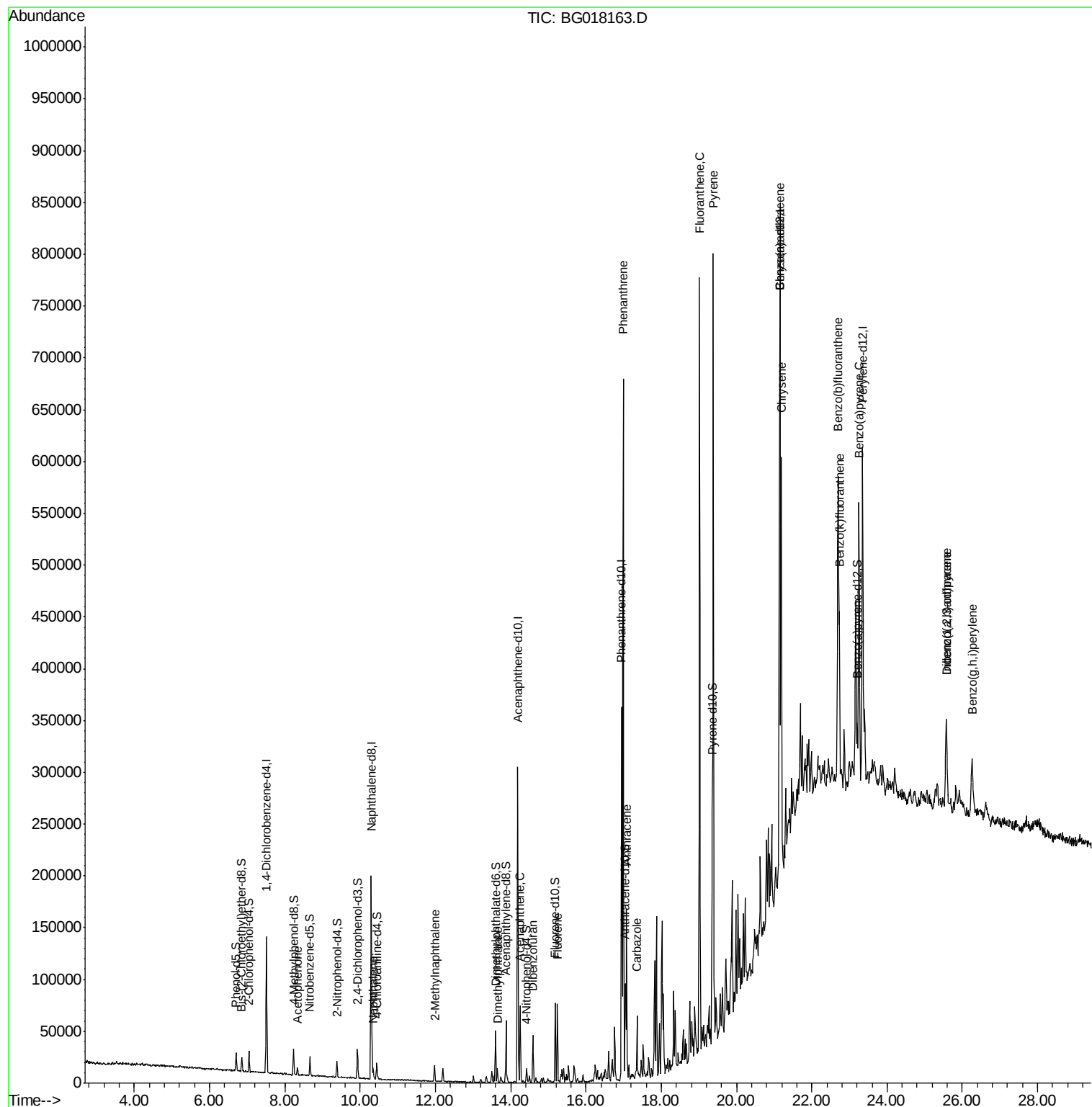
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072715\
Data File : BG018163.D
Acq On : 29 Jul 2015 1:03
Operator : TP/UM
Sample : G3035-13DL 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

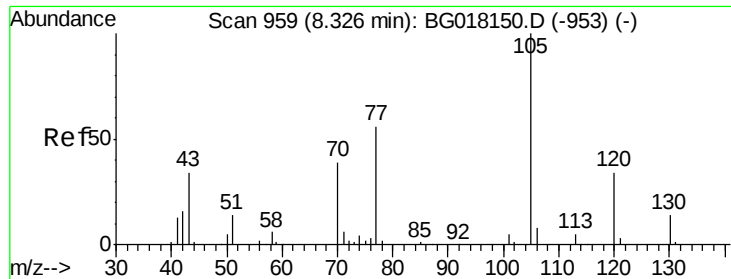
Instrument :
BNA_G
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Quant Time: Aug 06 17:34:43 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 29 01:59:28 2015
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#14

Acetophenone

Concen: 1.03 ng/ul

RT: 8.34 min Scan# 961

Delta R.T. 0.01 min

Lab File: BG018163.D

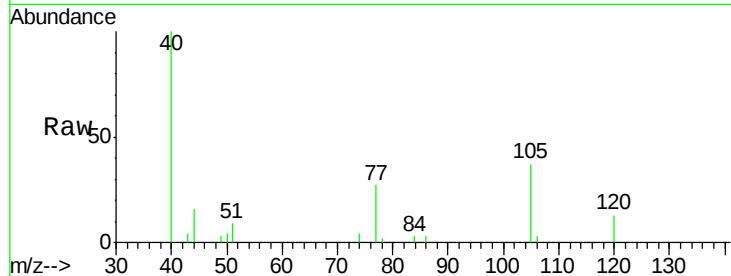
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Instrument :

BNA_G

ClientSampled :

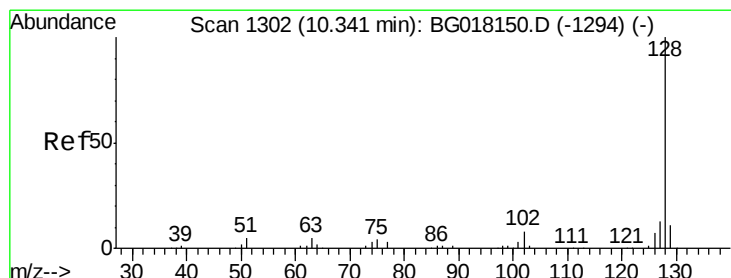
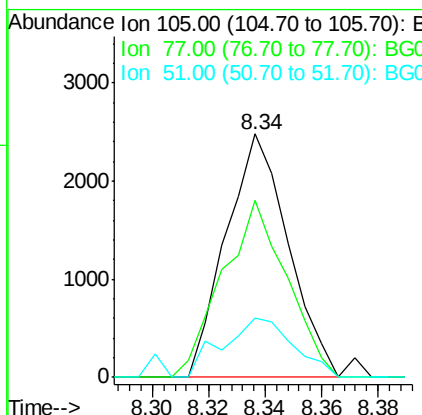
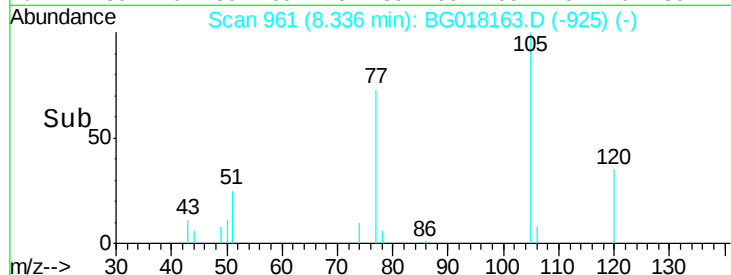
C02J6DL



Tgt Ion:	105	Resp:	3782
Ion Ratio	Lower	Upper	
105	100		
77	72.6	61.7	92.5
51	24.6	18.1	27.1

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#28

Naphthalene

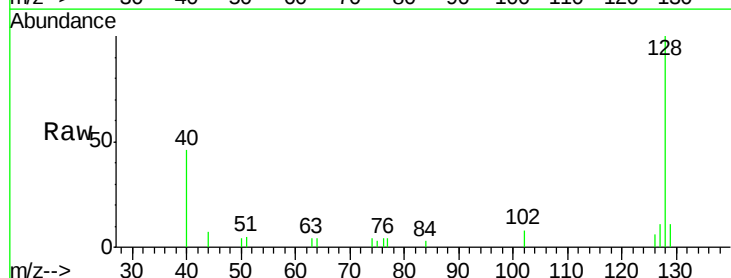
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RT: 10.35 min Scan# 1303

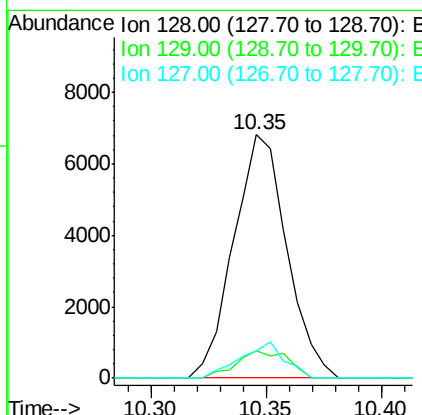
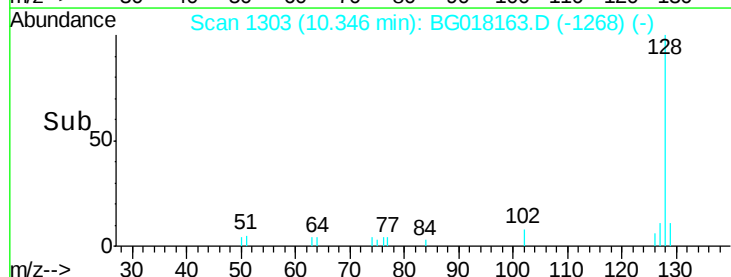
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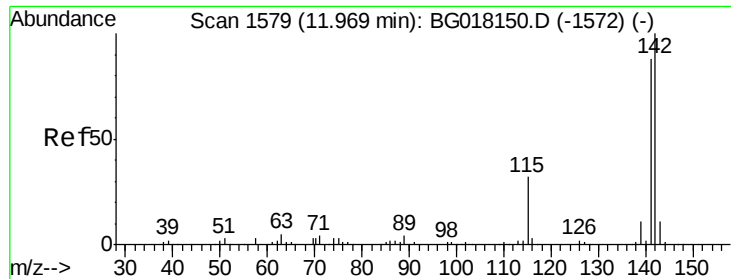
Lab File: BG018163.D

Acq: 29 Jul 2015 1:03



Tgt Ion:	128	Resp:	10952
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.5	14.3
127	11.2	10.1	15.1





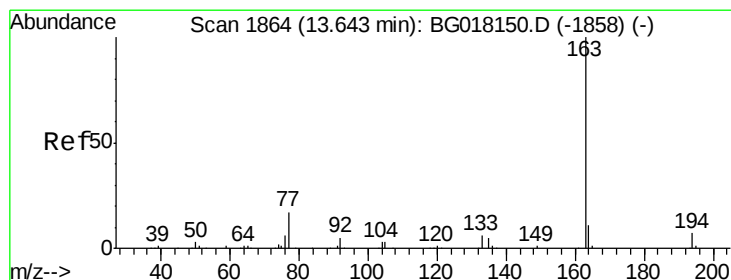
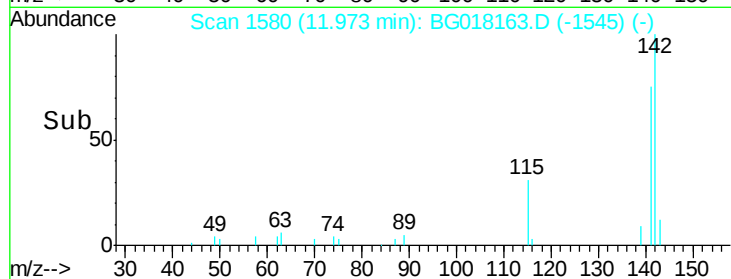
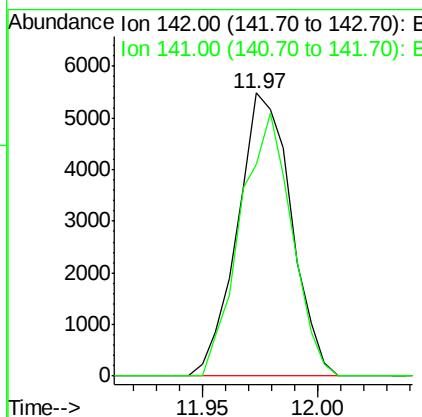
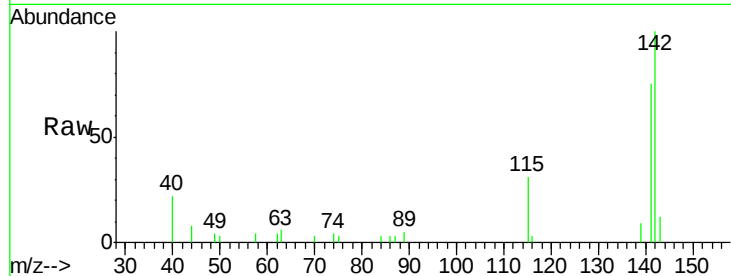
#34
 2-Methylnaphthalene
 Concen: 1.45 ng/ul
 RT: 11.97 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BG018163.D
 Acq: 29 Jul 2015 1:03

Instrument :
 BNA_G
 ClientSampleId :
 C02J6DL

Tgt Ion:142 Resp: 8894
 Ion Ratio Lower Upper
 142 100
 141 74.7 69.4 104.0

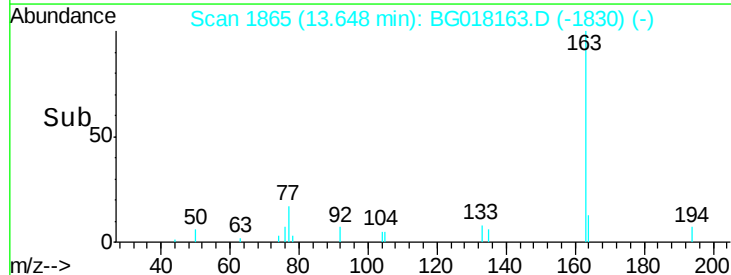
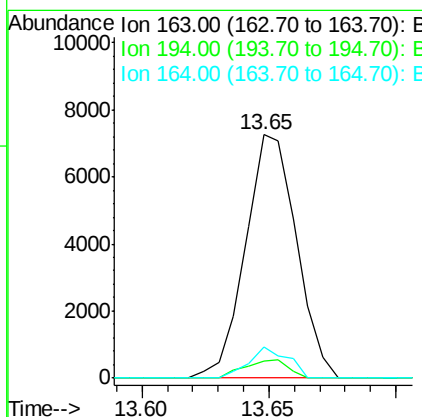
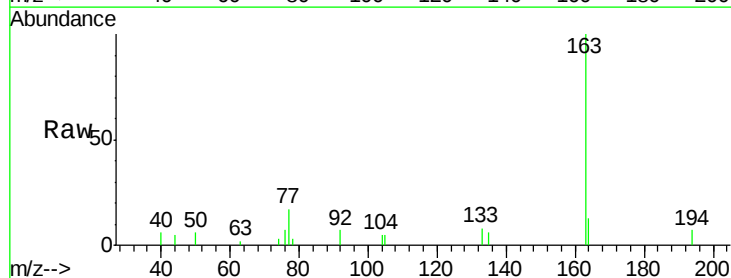
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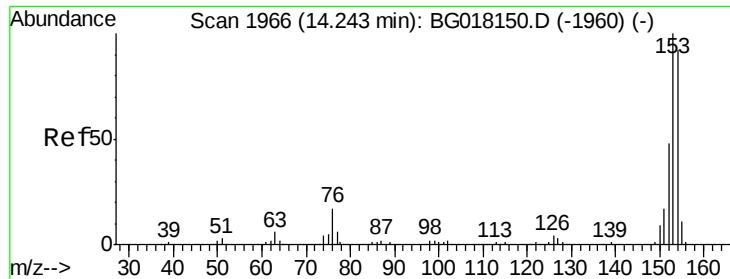
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#45
 Dimethylphthalate
 Concen: 1.30 ng/ul
 RT: 13.65 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: BG018163.D
 Acq: 29 Jul 2015 1:03

Tgt Ion:163 Resp: 10185
 Ion Ratio Lower Upper
 163 100
 194 6.8 5.4 8.2
 164 12.9 8.7 13.1





#50

Acenaphthene

Concen: 4.53 ng/ul

RT: 14.25 min Scan# 1968

Delta R.T. 0.01 min

Lab File: BG018163.D

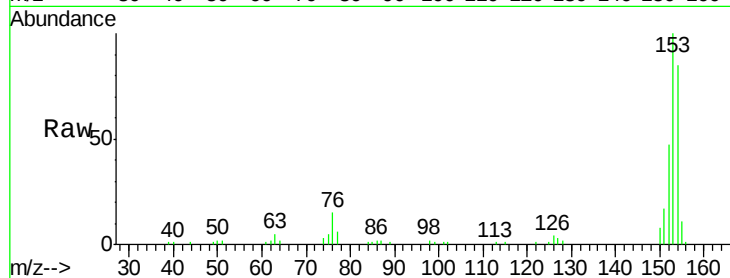
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Instrument :

BNA_G

ClientSampled :

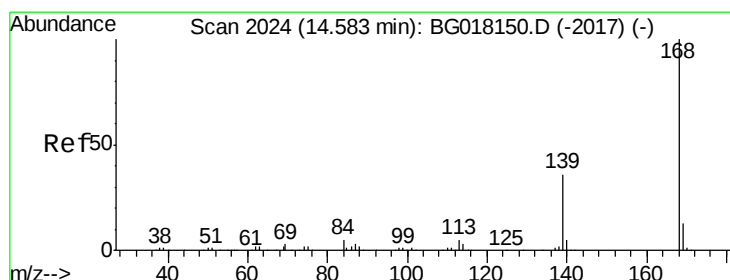
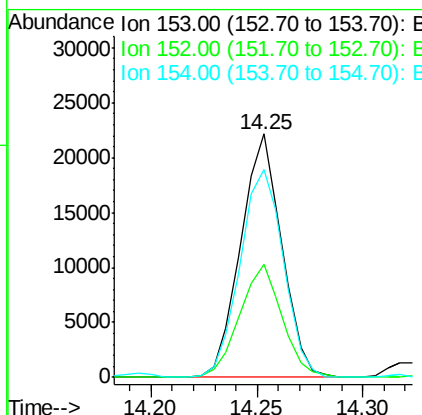
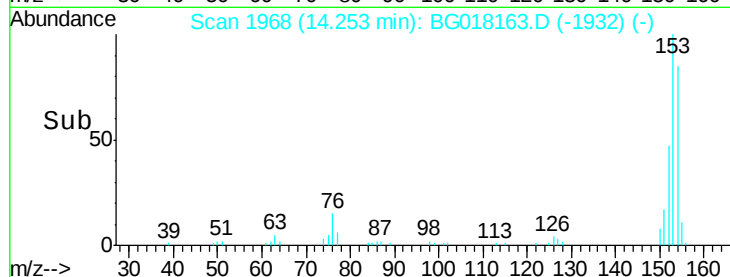
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Tgt Ion:	153	Resp:	29837
Ion Ratio	Lower	Upper	
153	100		
152	46.6	38.9	58.3
154	85.2	72.6	108.8

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#54

Dibenzofuran

Concen: 3.03 ng/ul

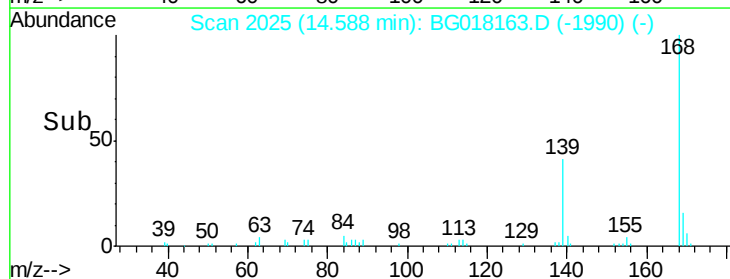
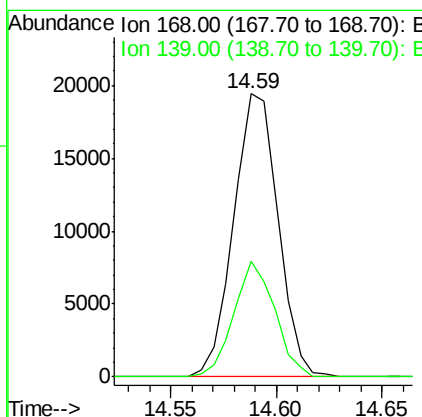
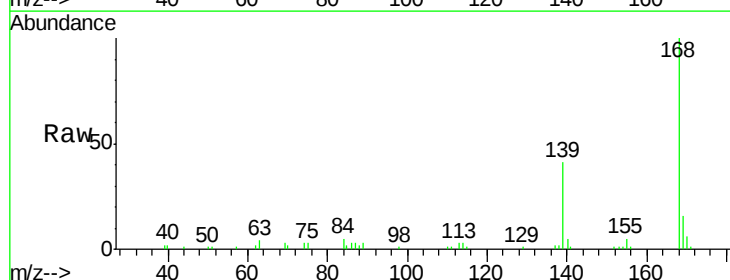
RT: 14.59 min Scan# 2025

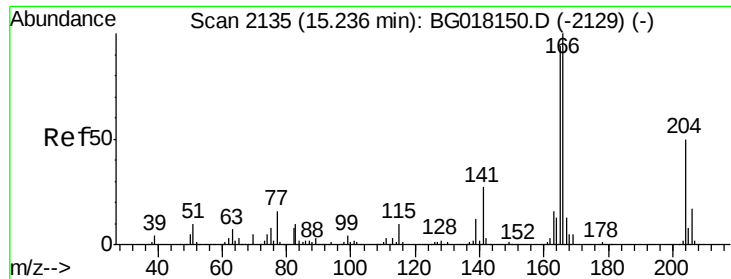
Delta R.T. 0.00 min

Lab File: BG018163.D

Acq: 29 Jul 2015 1:03

Tgt Ion:	168	Resp:	28346
Ion Ratio	Lower	Upper	
168	100		
139	41.0	30.6	46.0





#59

Fluorene

Concen: 4.15 ng/ul

RT: 15.25 min Scan# 2137

Delta R.T. 0.01 min

Lab File: BG018163.D

Acq: 29 Jul 2015 1:03

Instrument :

BNA_G

ClientSampleId :

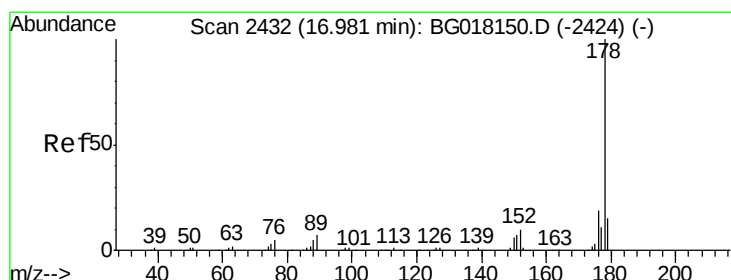
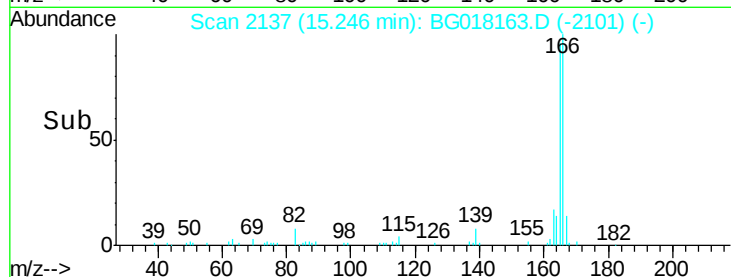
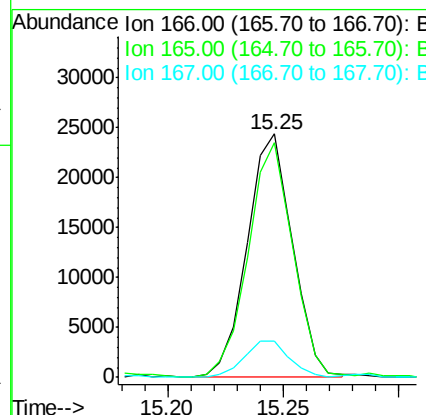
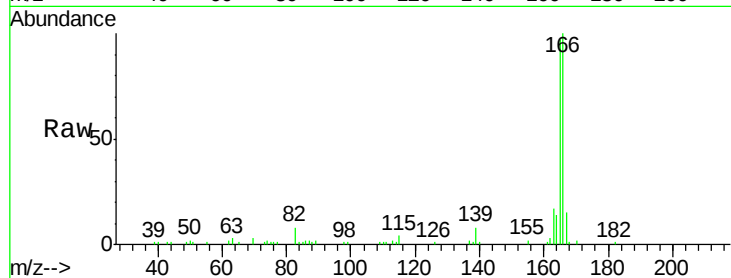
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Tgt Ion:	166	Resp:	33428
Ion Ratio	Lower	Upper	
166	100		
165	96.6	73.6	110.4
167	14.8	10.8	16.2



#70

Phenanthrene

Concen: 37.69 ng/ul

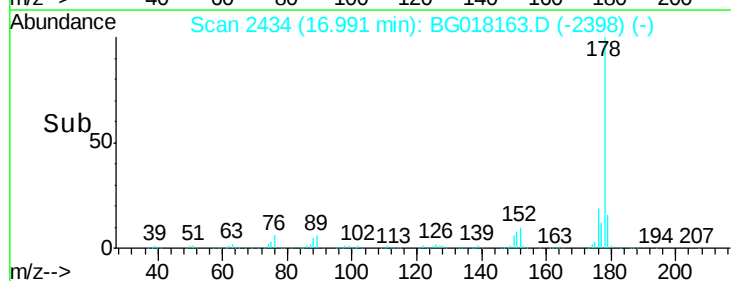
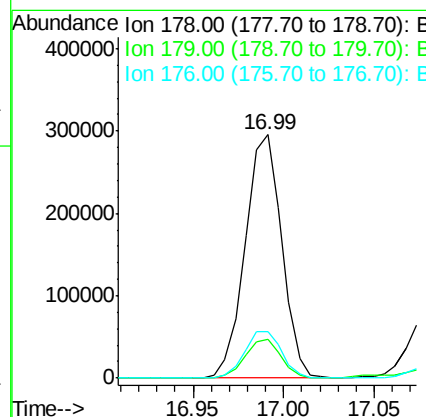
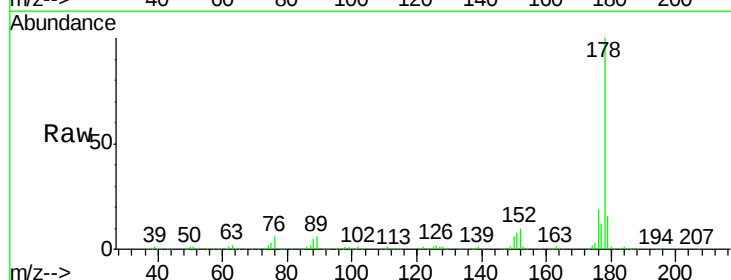
RT: 16.99 min Scan# 2434

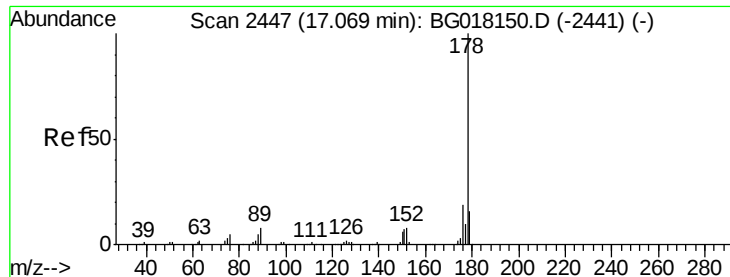
Delta R.T. 0.01 min

Lab File: BG018163.D

Acq: 29 Jul 2015 1:03

Tgt Ion:	178	Resp:	412969
Ion Ratio	Lower	Upper	
178	100		
179	16.0	13.0	19.6
176	19.3	15.8	23.8





#72

Anthracene

Concen: 9.35 ng/ul

RT: 17.08 min Scan# 2449

Delta R.T. 0.01 min

Lab File: BG018163.D

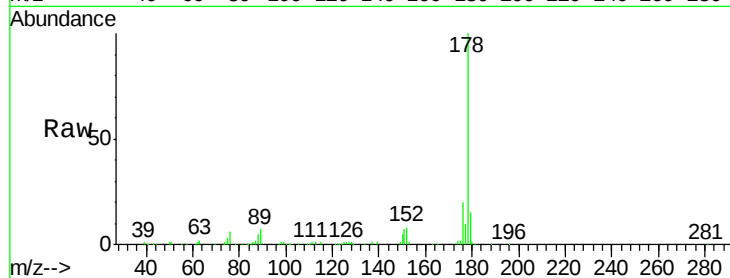
Acq: 29 Jul 2015 1:03

Instrument :

BNA_G

ClientSampleId :

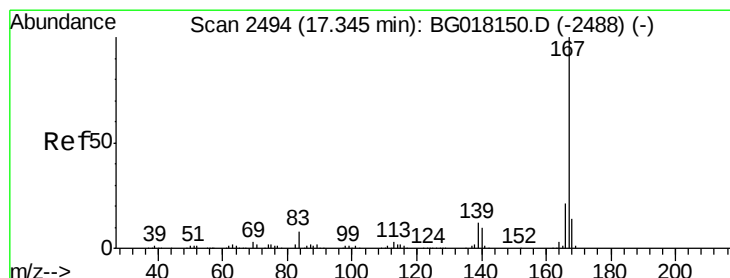
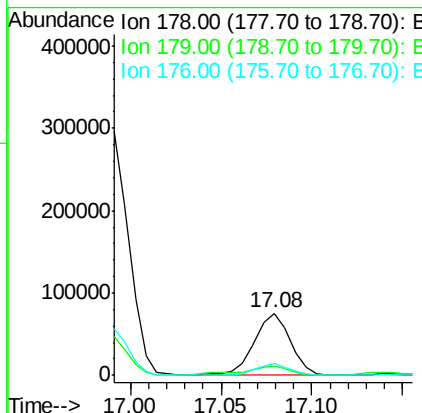
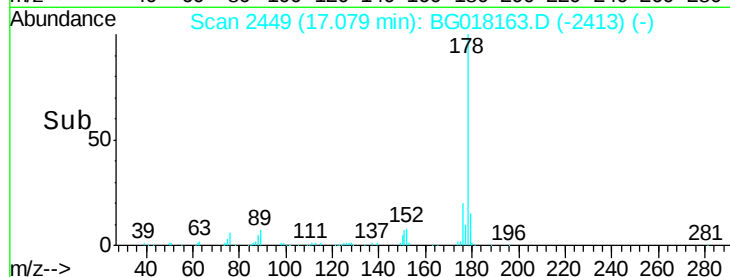
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Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.4	18.6
176	20.0	15.8	23.8

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#75

Carbazole

Concen: 3.90 ng/ul

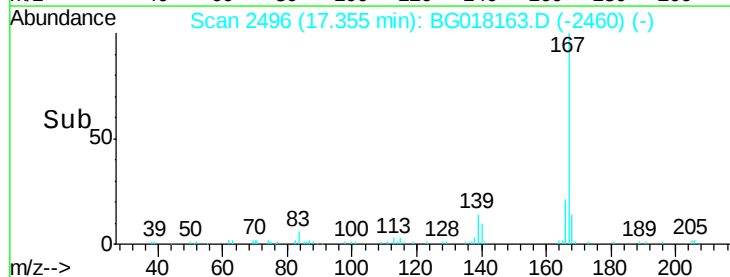
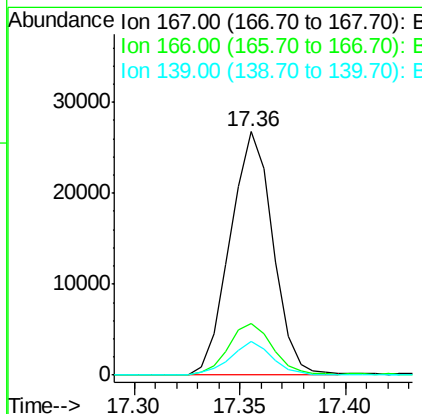
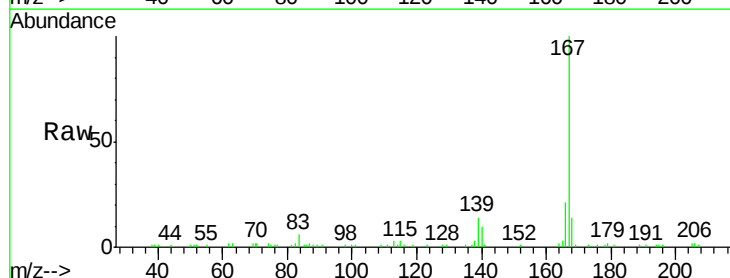
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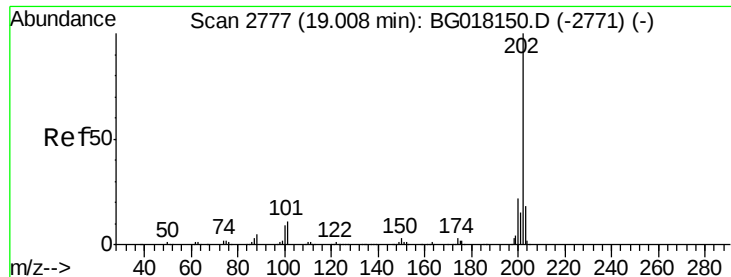
Delta R.T. 0.01 min

Lab File: BG018163.D

Acq: 29 Jul 2015 1:03

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.4	26.2
139	13.6	10.6	15.8





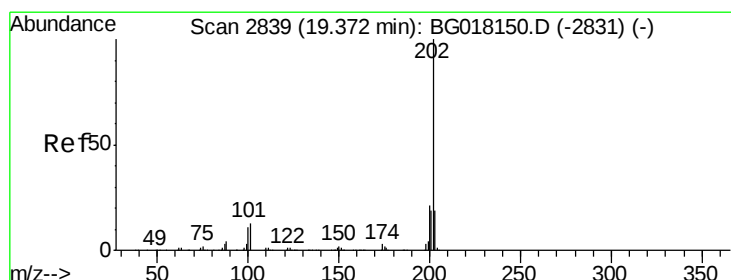
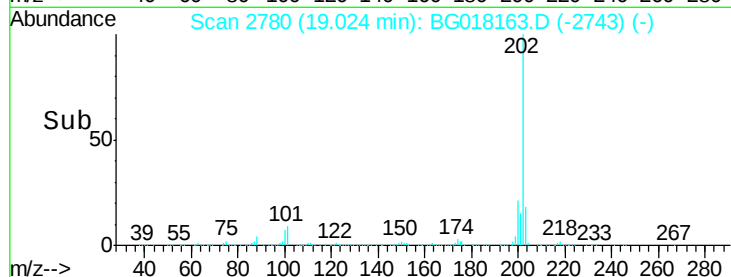
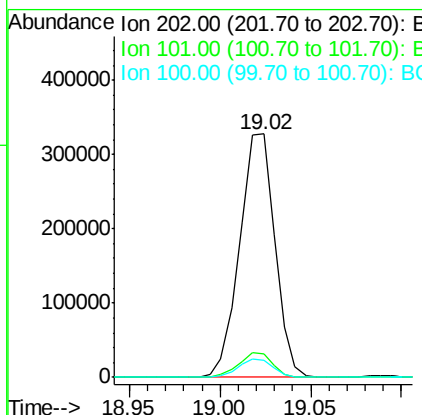
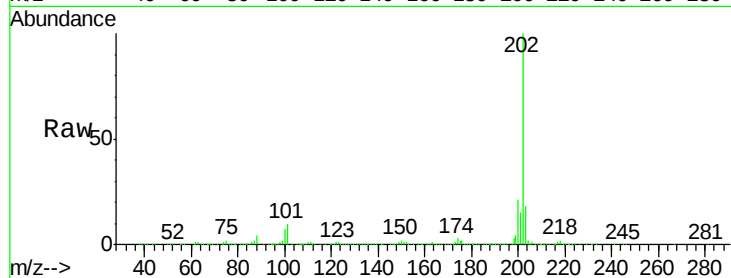
#77
Fluoranthene
 Concen: 38.13 ng/ul
 RT: 19.02 min Scan# 2780
 Delta R.T. 0.02 min
 Lab File: BG018163.D
 Acq: 29 Jul 2015 1:03

Instrument :
 BNA_G
 ClientSampleId :
 C02J6DL

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		444975		
101	9.7	9.1	13.7		
100	7.0	7.5	11.3		

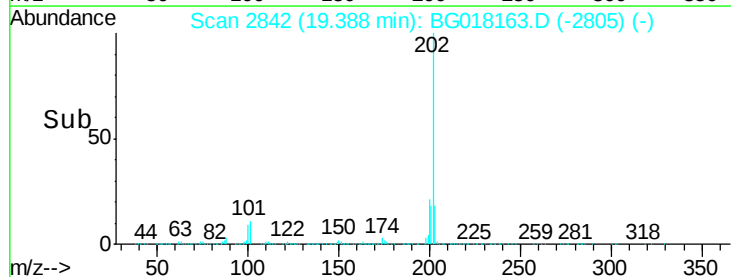
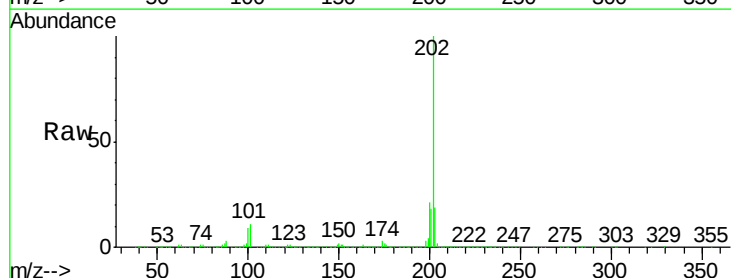
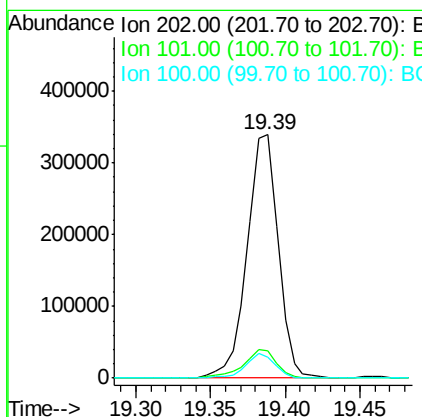
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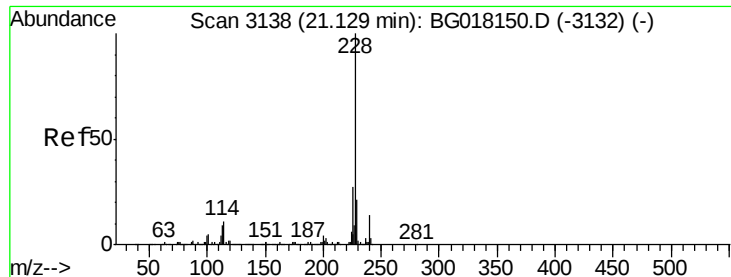
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#80
Pyrene
 Concen: 37.76 ng/ul
 RT: 19.39 min Scan# 2842
 Delta R.T. 0.02 min
 Lab File: BG018163.D
 Acq: 29 Jul 2015 1:03

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		487638		
101	11.0	10.9	16.3		
100	8.8	8.5	12.7		





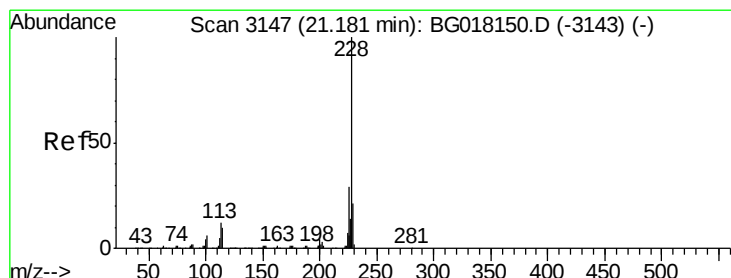
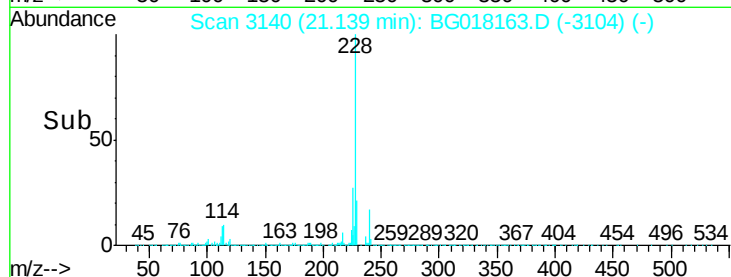
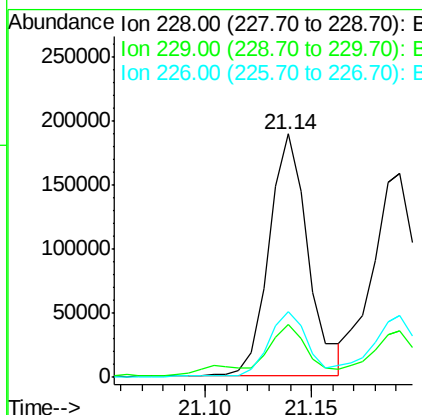
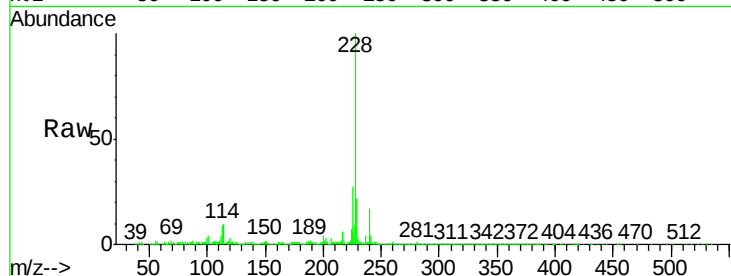
#83
Benzo(a)anthracene
Concen: 20.41 ng/ul
RT: 21.14 min Scan# 3140
Delta R.T. 0.01 min
Lab File: BG018163.D
Acq: 29 Jul 2015 1:03

Instrument :
BNA_G
ClientSampled :
C02J6DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.6	16.6	24.8
226	27.0	21.1	31.7

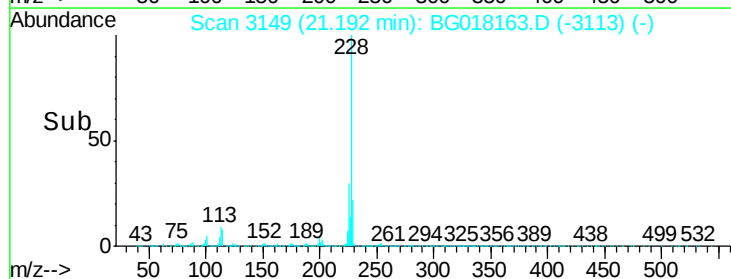
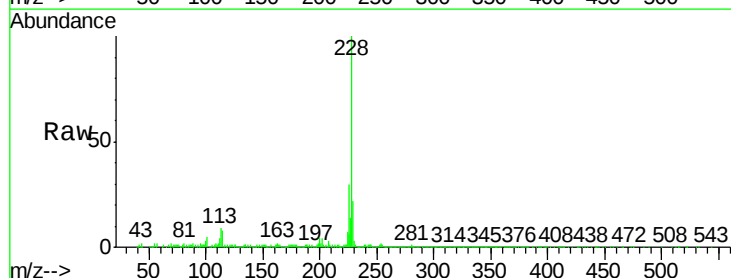
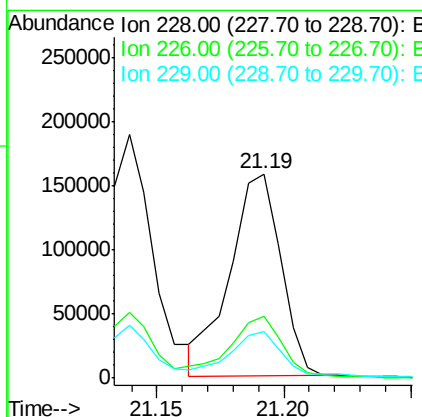
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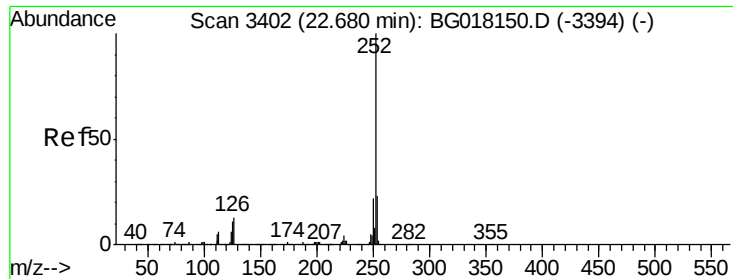
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7/29/2015 1:21:37 PM



#85
Chrysene
Concen: 19.75 ng/ul
RT: 21.19 min Scan# 3149
Delta R.T. 0.01 min
Lab File: BG018163.D
Acq: 29 Jul 2015 1:03

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.0	22.9	34.3
229	22.5	15.6	23.4





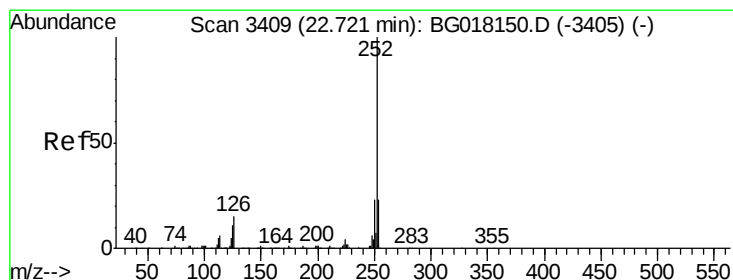
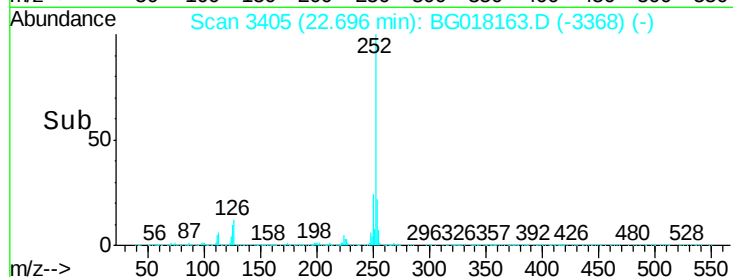
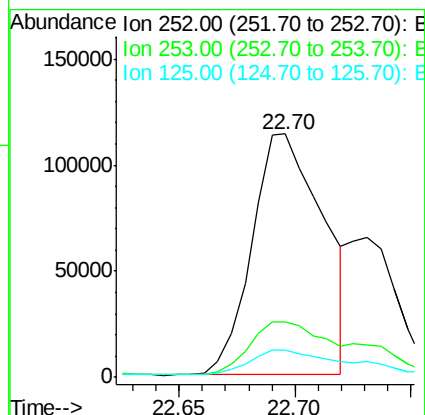
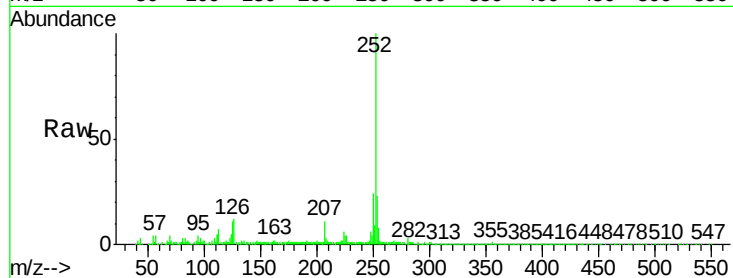
#88
Benzo(b)fluoranthene
Concen: 18.52 ng/ul
RT: 22.70 min Scan# 3405
Delta R.T. 0.02 min
Lab File: BG018163.D
Acq: 29 Jul 2015 1:03

Instrument :
BNA_G
ClientSampleId :
C02J6DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.5	27.7
125	11.1	9.1	13.7

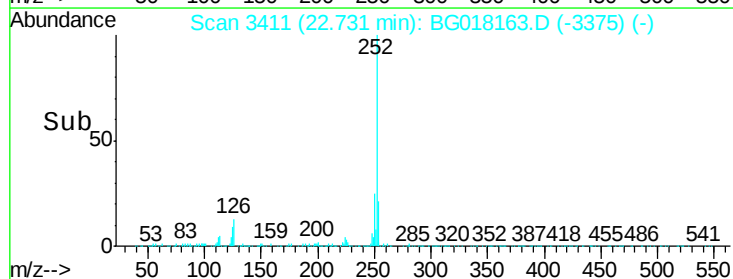
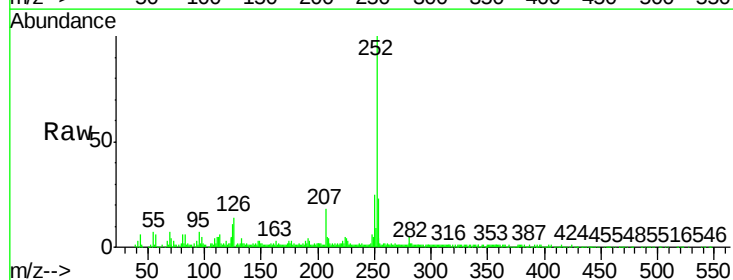
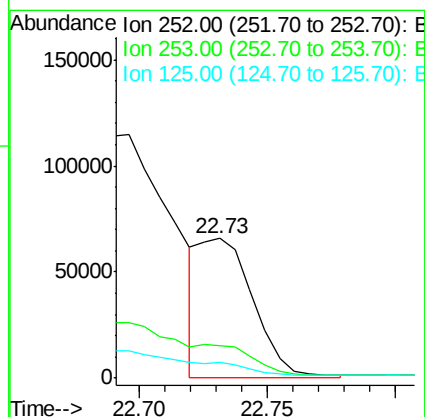
Manual Integrations
APPROVED

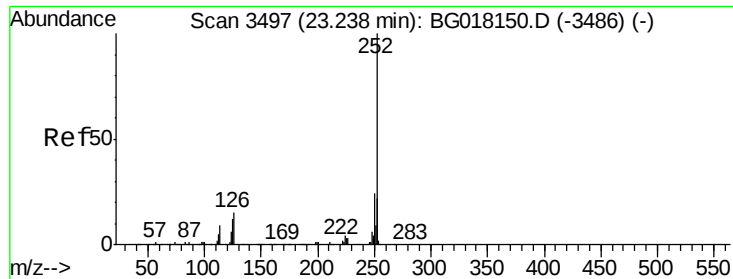
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#89
Benzo(k)fluoranthene
Concen: 7.52 ng/ul m
RT: 22.73 min Scan# 3411
Delta R.T. 0.01 min
Lab File: BG018163.D
Acq: 29 Jul 2015 1:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	11.0	9.3	13.9





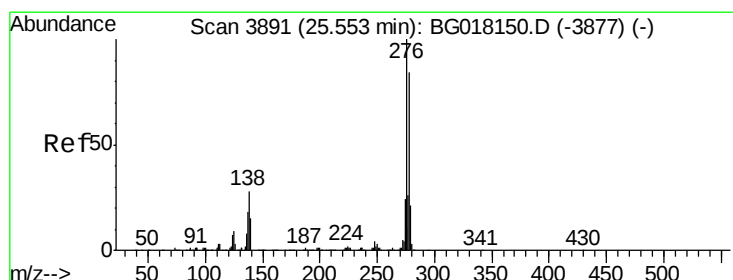
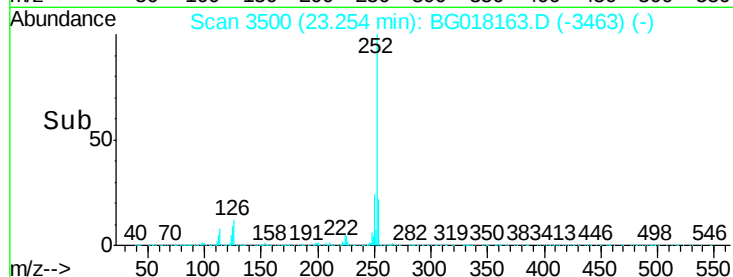
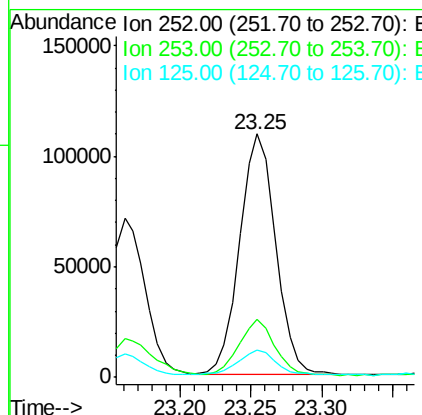
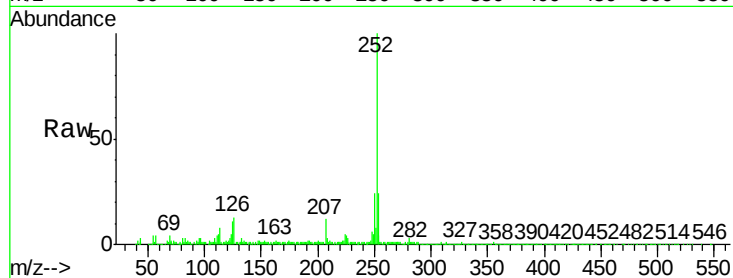
#91
Benzo(a)pyrene
Concen: 15.24 ng/ul
RT: 23.25 min Scan# 3500
Delta R.T. 0.02 min
Lab File: BG018163.D
Acq: 29 Jul 2015 1:03

Instrument :
BNA_G
ClientSampleId :
C02J6DL

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.7	18.0	27.0
125	11.1	10.2	15.2

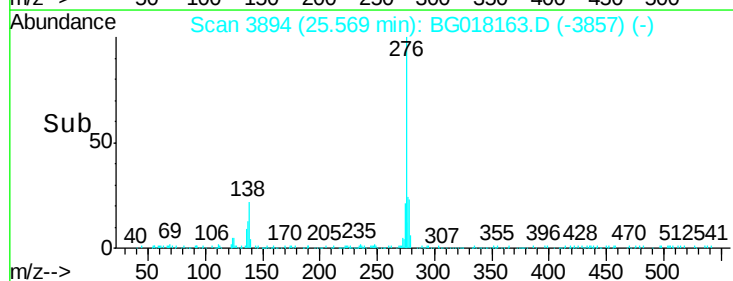
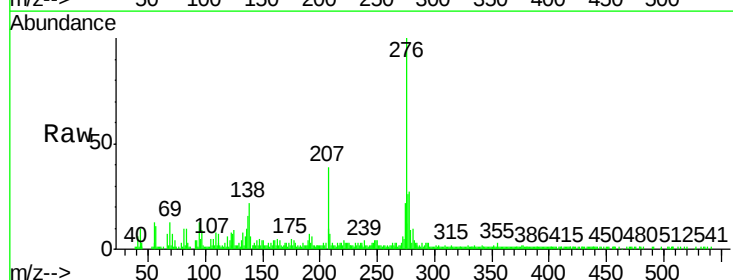
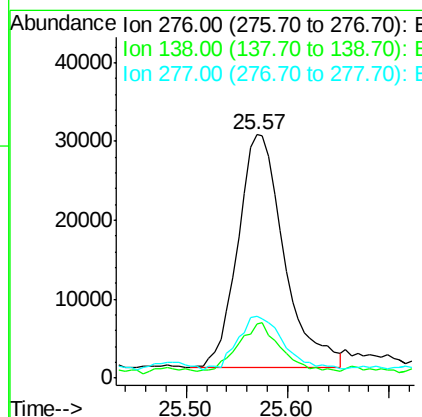
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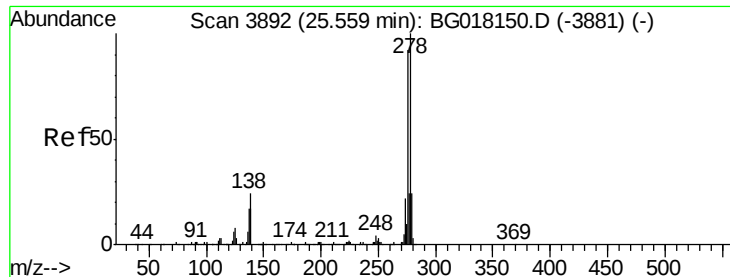
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7/29/2015 1:21:37 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 6.36 ng/ul
RT: 25.57 min Scan# 3894
Delta R.T. 0.02 min
Lab File: BG018163.D
Acq: 29 Jul 2015 1:03

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	22.2	22.6	33.8#
277	25.6	19.8	29.8





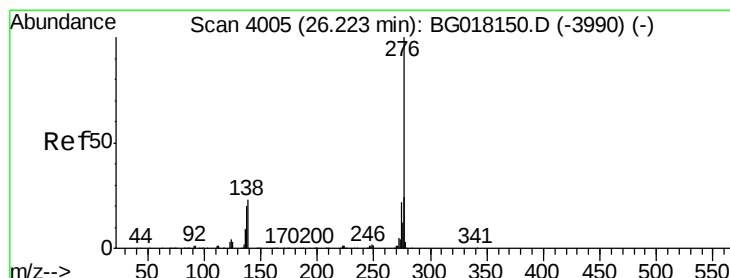
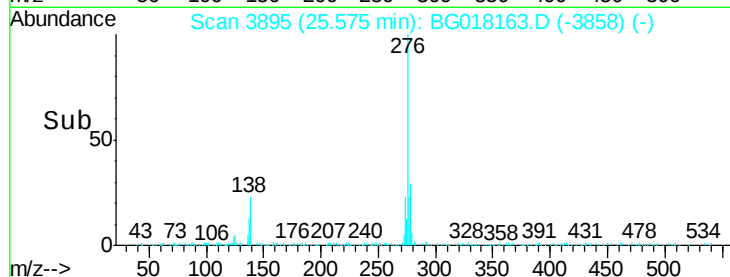
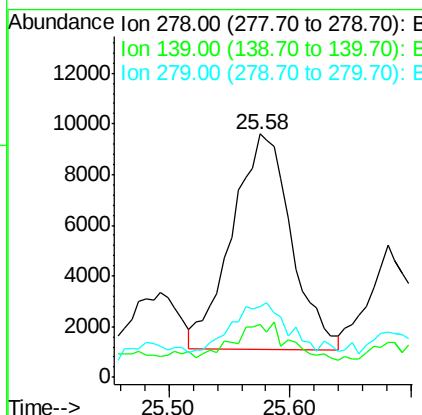
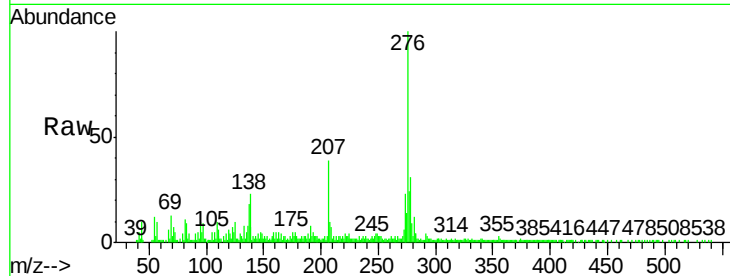
#93
Dibenzo(a,h)anthracene
Concen: 2.30 ng/ul
RT: 25.58 min Scan# 3895
Delta R.T. 0.02 min
Lab File: BG018163.D
Acq: 29 Jul 2015 1:03

Instrument :
BNA_G
ClientSampleId :
C02J6DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.5	13.7	20.5#
279	29.3	18.1	27.1#

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 6.65 ng/ul
RT: 26.26 min Scan# 4011
Delta R.T. 0.03 min
Lab File: BG018163.D
Acq: 29 Jul 2015 1:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.3	18.8	28.2#
277	26.9	19.3	28.9

