

Data Path : Z:\HPCHEM1\BNA_G\Data\BG080215\
 Data File : BG018231.D
 Acq On : 2 Aug 2015 18:10
 Operator : TP
 Sample : G3065-06RE
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 C01Z8RE

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:20:00 PM

Quant Time: Aug 03 10:13:42 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 05:58:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	81597	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	342041	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.16	164	175362	20.00	ng/ul	0.02
62) Phenanthrene-d10	16.92	188	266689m	20.00	ng/ul	0.02
78) Chrysene-d12	21.15	240	397026m	20.00	ng/ul	0.03
86) Perylene-d12	23.35	264	341040	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.96	96	1191m	1.10	ng/uL	0.00
5) Phenol-d5	6.68	99	55720	7.59	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.82	67	30092	8.02	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	51229	9.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.21	113	30356	5.08	ng/ul	0.00
19) Nitrobenzene-d5	8.64	128	26778	9.94	ng/ul	0.02
22) 2-Nitrophenol-d4	9.36	143	26470	8.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.91	165	51727	9.47	ng/ul	0.02
29) 4-Chloroaniline-d4	10.42	131	9190	1.35	ng/ul	0.02
44) Dimethylphthalate-d6	13.58	166	133223	9.83	ng/ul	0.00
47) Acenaphthylene-d8	13.85	160	157023	9.99	ng/ul	0.02
52) 4-Nitrophenol-d4	14.42	143	13918	5.55	ng/ul	0.02
58) Fluorene-d10	15.16	176	100901	8.23	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	306	0.16	ng/ul	0.11
71) Anthracene-d10	17.02	188	112746	9.72	ng/ul	0.02
79) Pyrene-d10	19.35	212	135435m	7.05	ng/ul	0.03
90) Benzo(a)pyrene-d12	23.21	264	181084	10.50	ng/ul	0.06

Target Compounds

					Qvalue	
14) Acetophenone	8.31	105	10872	1.17	ng/ul#	88
28) Naphthalene	10.31	128	87662	5.32	ng/ul#	94
34) 2-Methylnaphthalene	11.95	142	38497	2.95	ng/ul	94
35) 1-Methylnaphthalene	12.17	142	32093	2.57	ng/ul#	85
45) Dimethylphthalate	13.62	163	135282	10.03	ng/ul	99
50) Acenaphthene	14.23	153	45730	4.50	ng/ul	99
54) Dibenzofuran	14.56	168	36770	2.40	ng/ul#	76
59) Fluorene	15.22	166	55289	4.19	ng/ul	98
70) Phenanthrene	16.97	178	380960	28.12	ng/ul	97
72) Anthracene	17.05	178	80342m	5.96	ng/ul	
77) Fluoranthene	19.00	202	531464m	35.72	ng/ul	
80) Pyrene	19.37	202	528431m	21.94	ng/ul	
83) Benzo(a)anthracene	21.13	228	241906	11.31	ng/ul	93
84) Bis(2-ethylhexyl)phthalate	21.07	149	220134m	16.68	ng/ul	
85) Chrysene	21.18	228	301126m	15.38	ng/ul	
88) Benzo(b)fluoranthene	22.69	252	392386	19.15	ng/ul#	53
89) Benzo(k)fluoranthene	22.72	252	92398m	4.91	ng/ul	
91) Benzo(a)pyrene	23.25	252	241720	13.19	ng/ul#	36
92) Indeno(1,2,3-cd)pyrene	25.57	276	63761	3.01	ng/ul#	91
94) Benzo(g,h,i)perylene	26.24	276	57411	3.32	ng/ul#	88

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

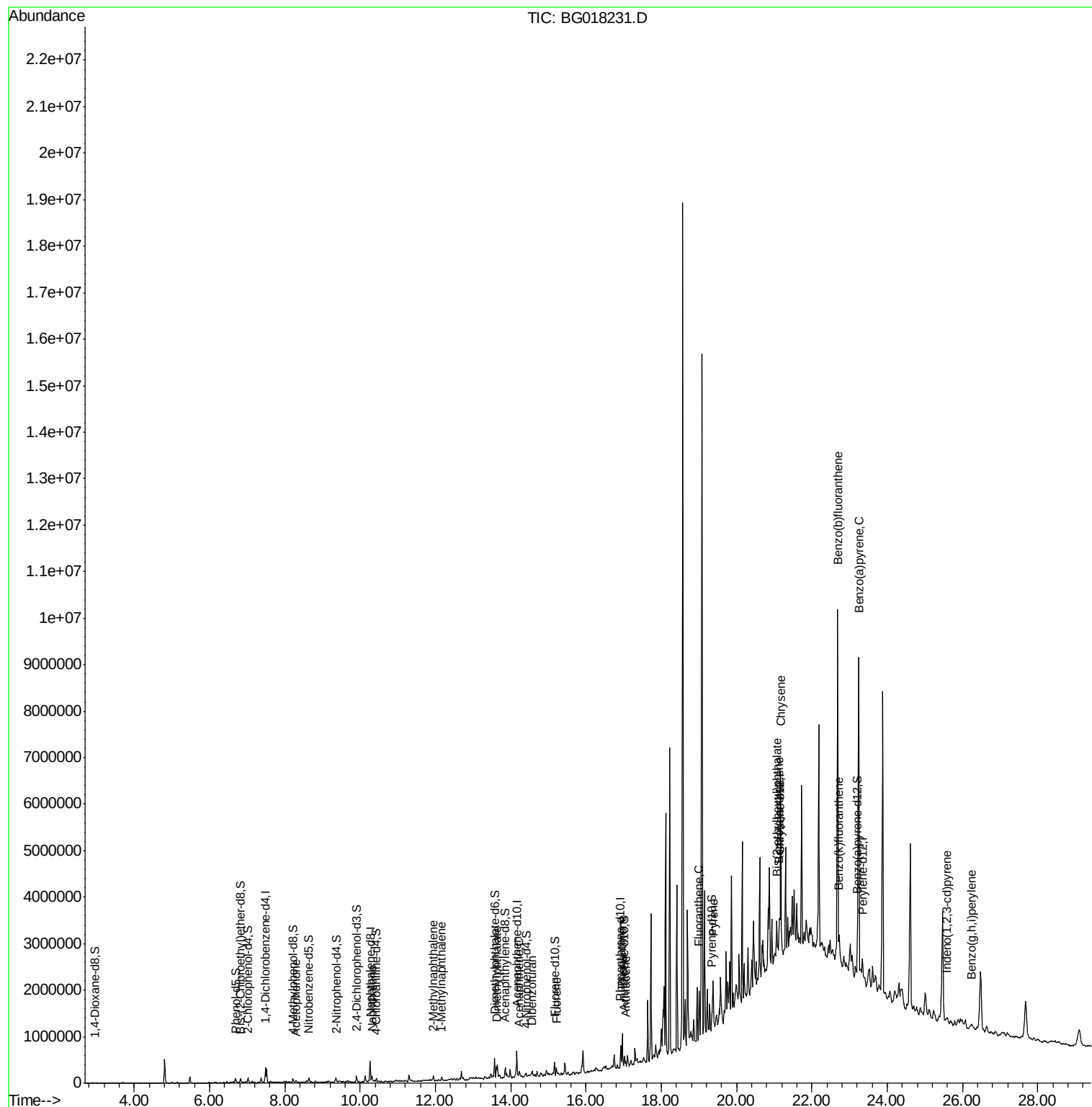
Data Path : Z:\HPCHEM1\BNA_G\Data\BG080215\
Data File : BG018231.D
Acq On : 2 Aug 2015 18:10
Operator : TP
Sample : G3065-06RE
Misc :
ALS Vial : 30 Sample Multiplier: 1

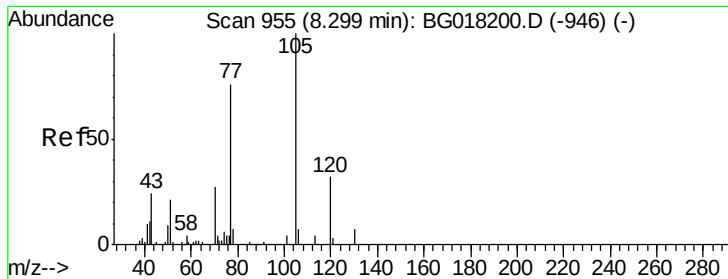
Instrument :
BNA_G
ClientSampleId :
C01Z8RE

Manual Integrations
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8/4/2015 12:20:00 PM

Quant Time: Aug 03 10:13:42 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 05:58:42 2015
Response via : Initial Calibration





#14

Acetophenone

Concen: 1.17 ng/ul

RT: 8.31 min Scan# 956

Delta R.T. 0.02 min

Lab File: BG018231.D

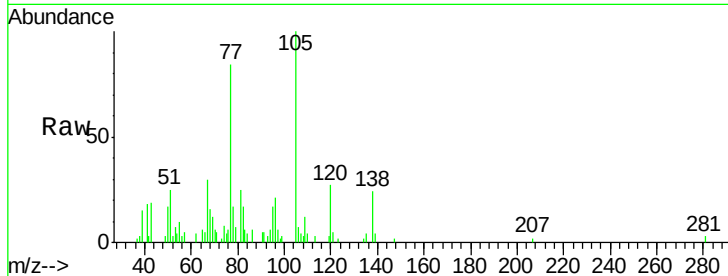
Acq: 2 Aug 2015 18:10

Instrument :

BNA_G

ClientSampleId :

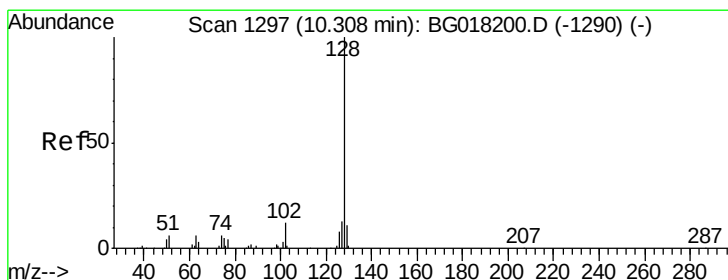
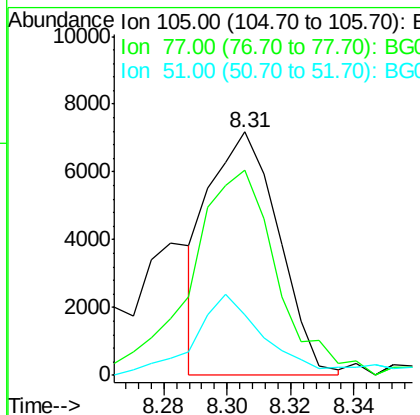
C01Z8RE



Tgt Ion	Ratio	Resp	Lower	Upper
105	100	10872		
77	84.3	58.4	87.6	
51	24.8	16.5	24.7	

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#28

Naphthalene

Concen: 5.32 ng/ul

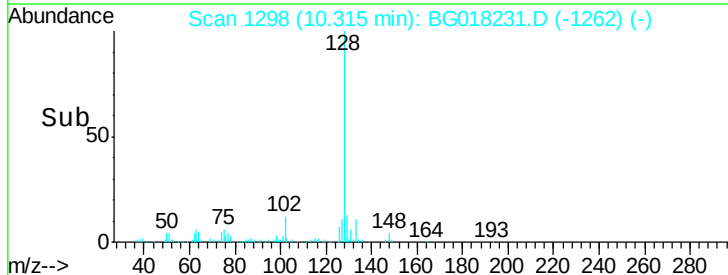
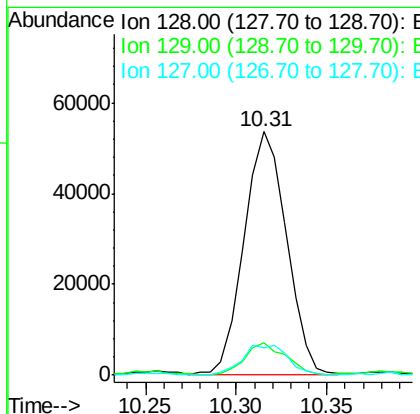
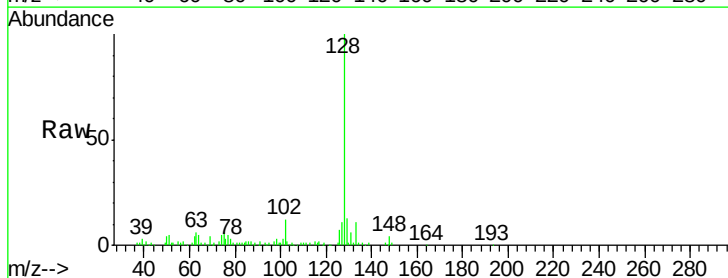
RT: 10.31 min Scan# 1298

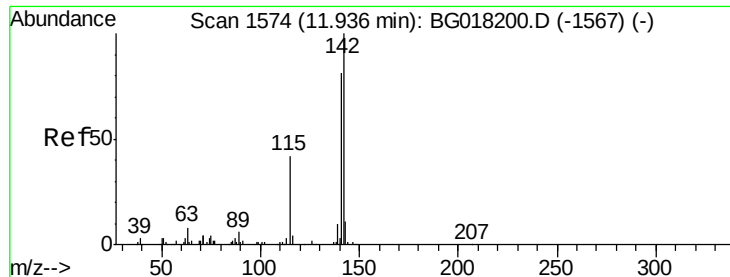
Delta R.T. 0.01 min

Lab File: BG018231.D

Acq: 2 Aug 2015 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	87662		
129	13.1	9.1	13.7	
127	11.0	11.2	16.8	





#34

2-Methylnaphthalene

Concen: 2.95 ng/ul

RT: 11.95 min Scan# 1576

Delta R.T. 0.02 min

Lab File: BG018231.D

Acq: 2 Aug 2015 18:10

Instrument :

BNA_G

ClientSampleId :

C01Z8RE

Tgt Ion:142 Resp: 38497

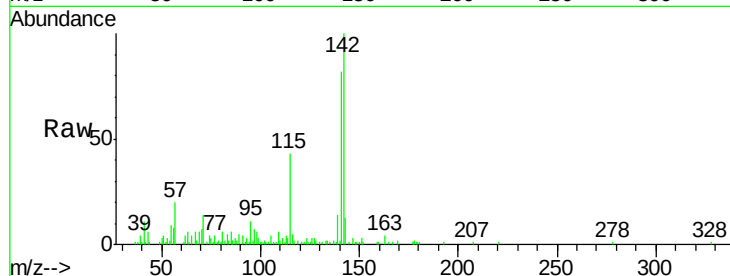
Ion Ratio Lower Upper

142 100

141 82.3 70.3 105.5

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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.95

25000

20000

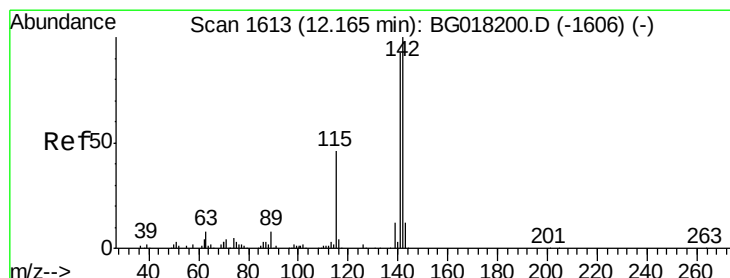
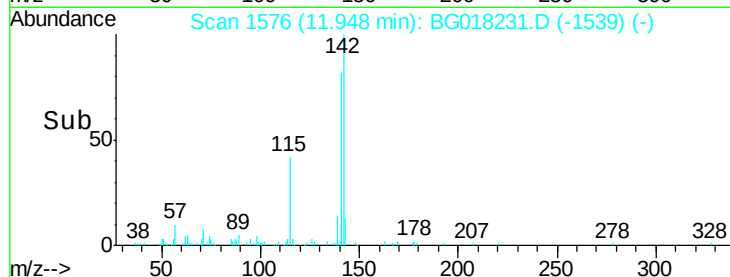
15000

10000

5000

0

Time-->



#35

1-Methylnaphthalene

Concen: 2.57 ng/ul

RT: 12.17 min Scan# 1614

Delta R.T. 0.02 min

Lab File: BG018231.D

Acq: 2 Aug 2015 18:10

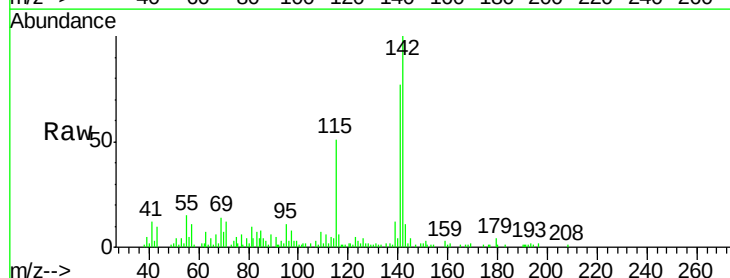
Tgt Ion:142 Resp: 32093

Ion Ratio Lower Upper

142 100

141 76.6 72.5 108.7

116 5.7 2.6 4.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

12.17

25000

20000

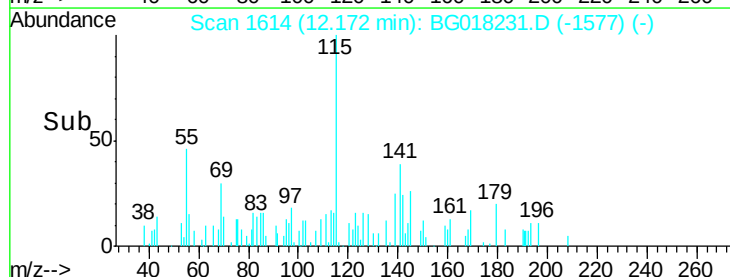
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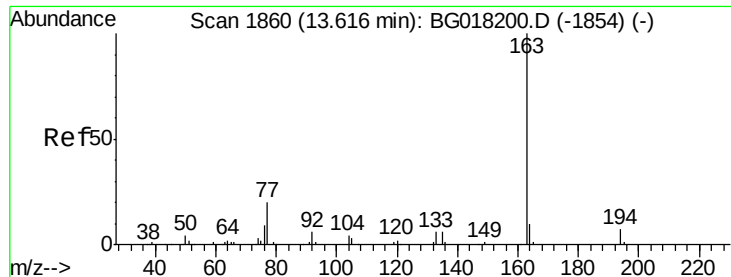
10000

5000

0

Time-->





#45

Dimethylphthalate

Concen: 10.03 ng/ul

RT: 13.62 min Scan# 1861

Delta R.T. 0.01 min

Lab File: BG018231.D

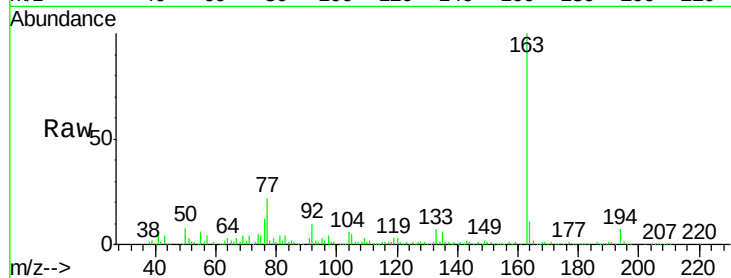
Acq: 2 Aug 2015 18:10

Instrument :

BNA_G

ClientSampleId :

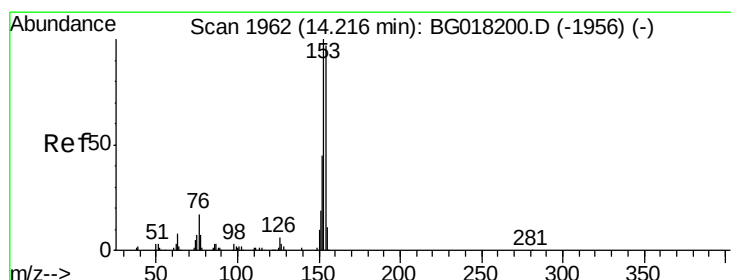
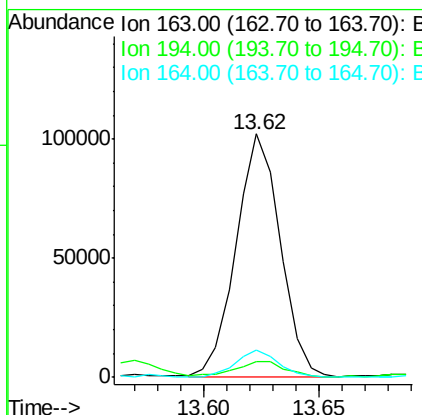
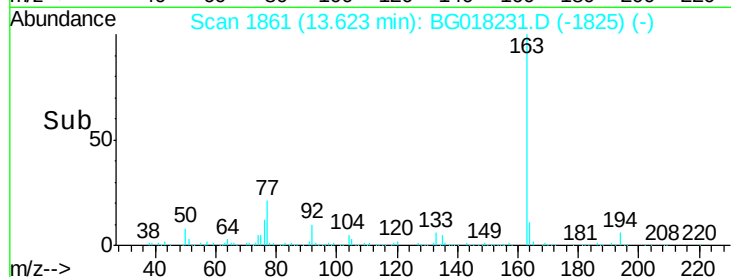
C01Z8RE



Tgt Ion:	163	Resp:	135282
Ion Ratio	Lower	Upper	
163	100		
194	6.6	5.2	7.8
164	11.3	8.4	12.6

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#50

Acenaphthene

Concen: 4.50 ng/ul

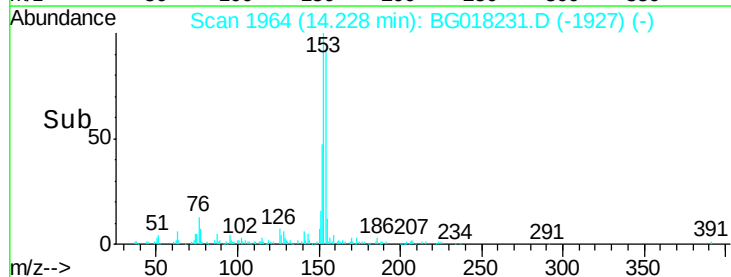
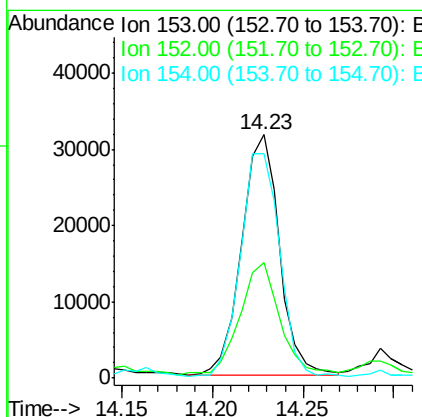
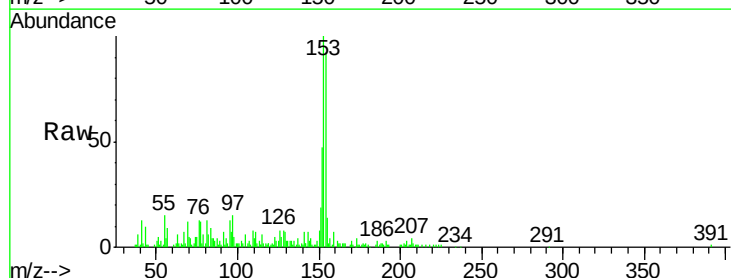
RT: 14.23 min Scan# 1964

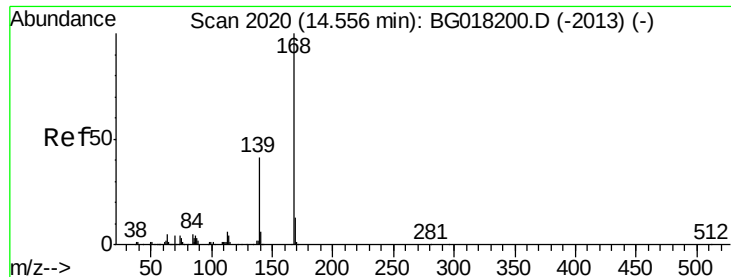
Delta R.T. 0.02 min

Lab File: BG018231.D

Acq: 2 Aug 2015 18:10

Tgt Ion:	153	Resp:	45730
Ion Ratio	Lower	Upper	
153	100		
152	47.3	38.7	58.1
154	92.4	74.8	112.2





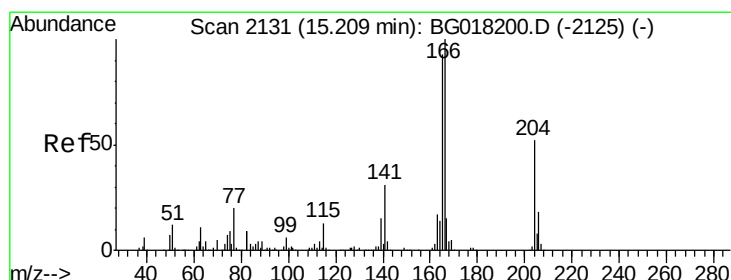
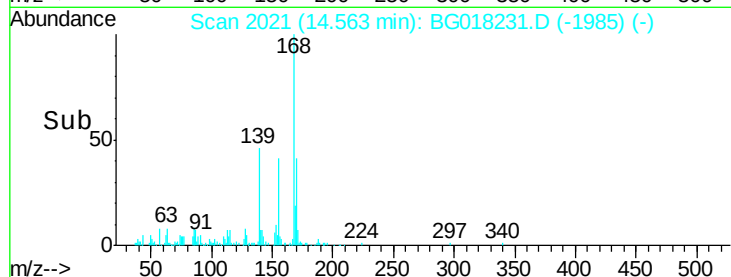
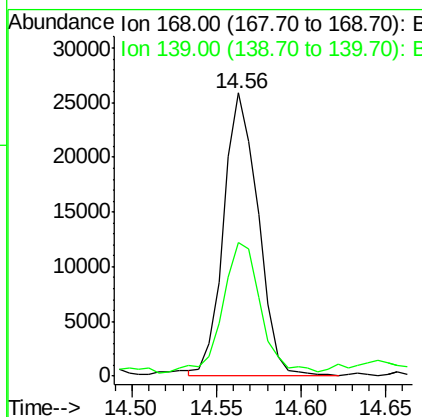
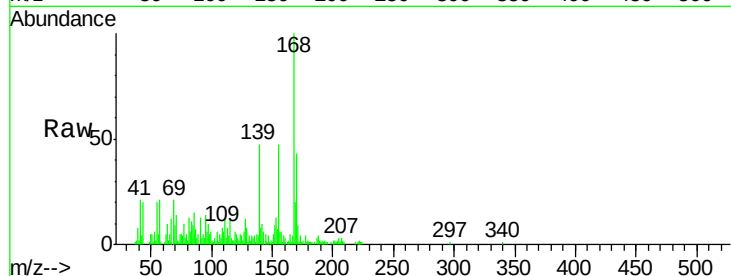
#54
Dibenzenofuran
Concen: 2.40 ng/ul
RT: 14.56 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BG018231.D
Acq: 2 Aug 2015 18:10

Instrument :
BNA_G
ClientSampleId :
C01Z8RE

Tgt Ion	Ratio	Lower	Upper
168	100		
139	47.2	26.8	40.2#

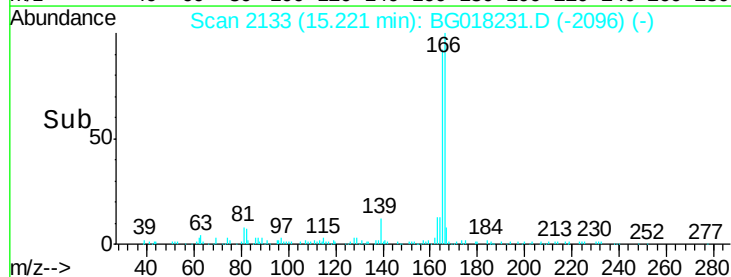
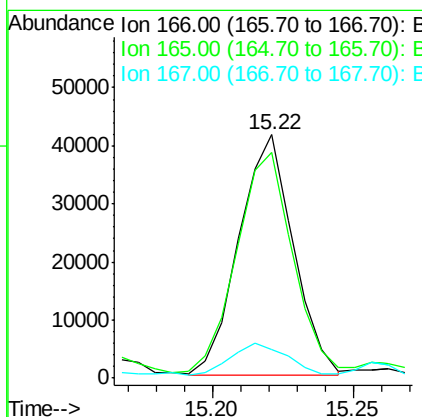
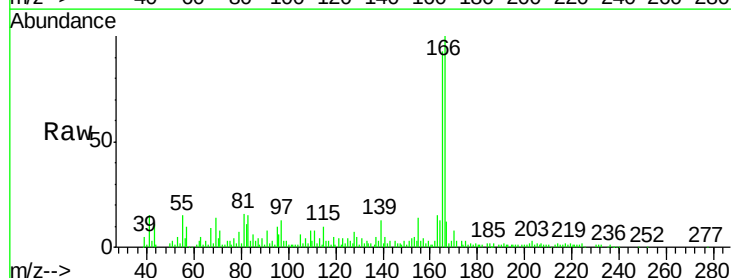
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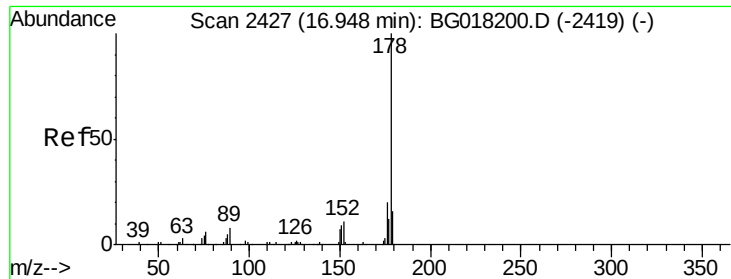
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#59
Fluorene
Concen: 4.19 ng/ul
RT: 15.22 min Scan# 2133
Delta R.T. 0.02 min
Lab File: BG018231.D
Acq: 2 Aug 2015 18:10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.0	75.1	112.7
167	11.9	11.8	17.6





#70

Phenanthrene

Concen: 28.12 ng/ul

RT: 16.97 min Scan# 2430

Delta R.T. 0.02 min

Lab File: BG018231.D

Acq: 2 Aug 2015 18:10

Instrument :

BNA_G

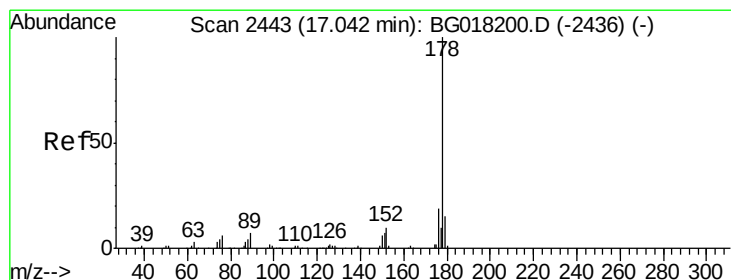
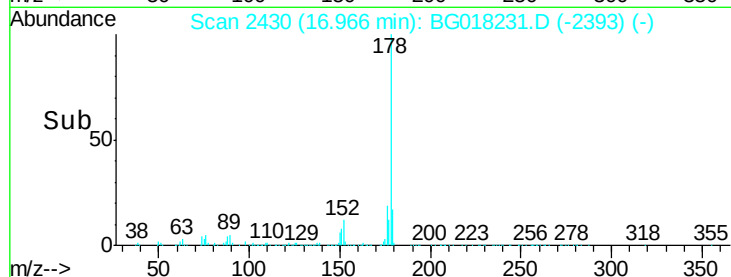
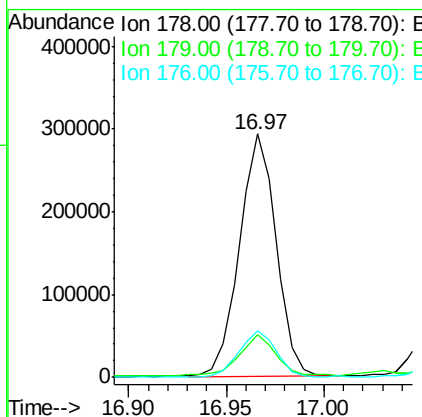
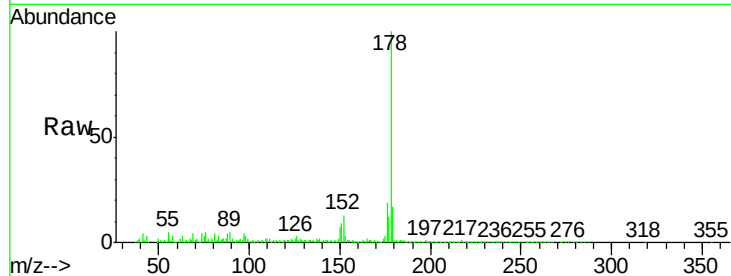
ClientSampleId :

C01Z8RE

Tgt Ion:	178	Resp:	380960
Ion Ratio		Lower	Upper
178	100		
179	17.5	12.8	19.2
176	19.0	16.0	24.0

Manual Integrations
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#72

Anthracene

Concen: 5.96 ng/ul m

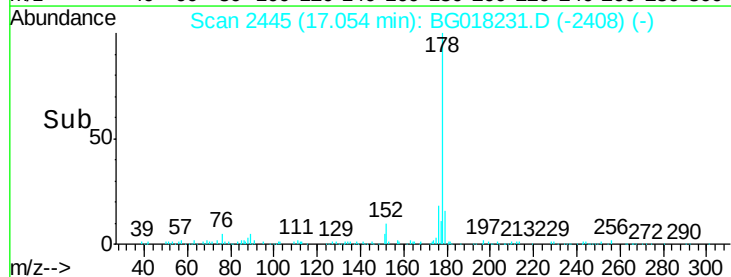
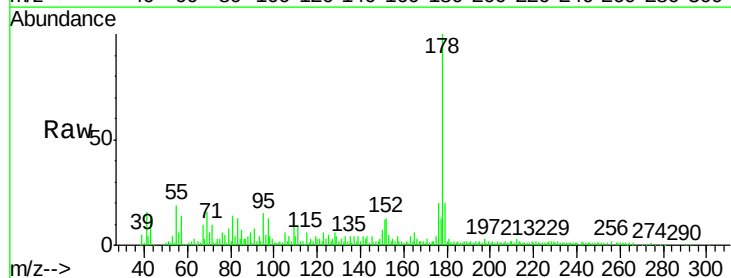
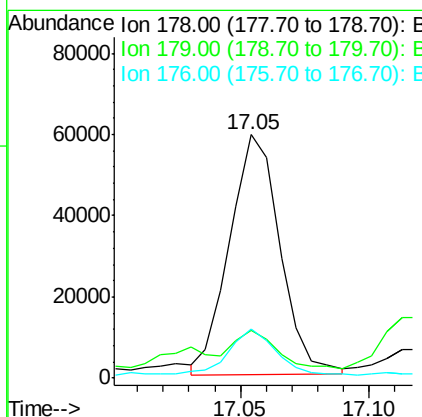
RT: 17.05 min Scan# 2445

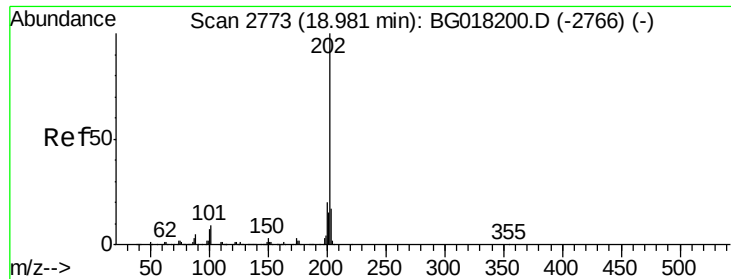
Delta R.T. 0.02 min

Lab File: BG018231.D

Acq: 2 Aug 2015 18:10

Tgt Ion:	178	Resp:	80342
Ion Ratio		Lower	Upper
178	100		
179	19.8	12.2	18.2#
176	19.9	14.8	22.2





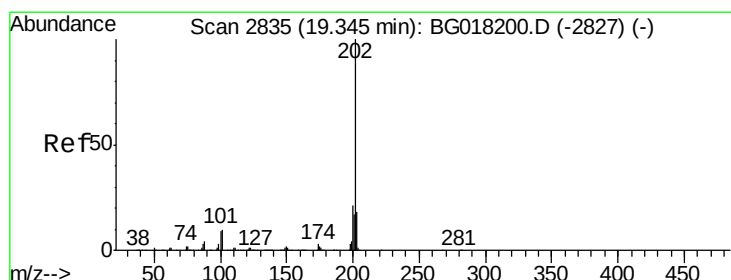
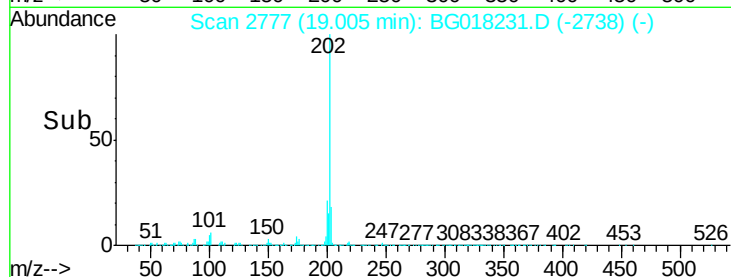
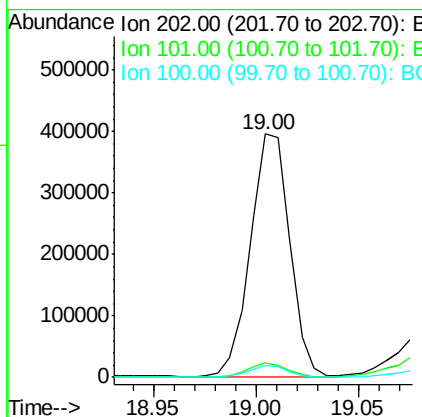
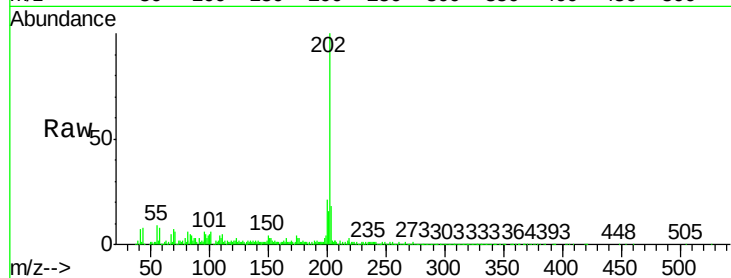
#77
Fluoranthene
Concen: 35.72 ng/ul m
RT: 19.00 min Scan# 2777
Delta R.T. 0.03 min
Lab File: BG018231.D
Acq: 2 Aug 2015 18:10

Instrument :
BNA_G
ClientSampleId :
C01Z8RE

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		531464		
101	5.8	7.5	11.3#		
100	5.0	5.5	8.3#		

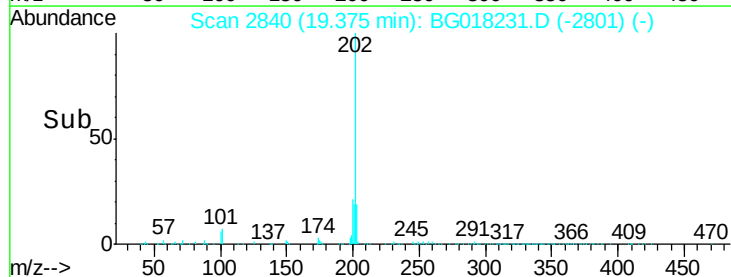
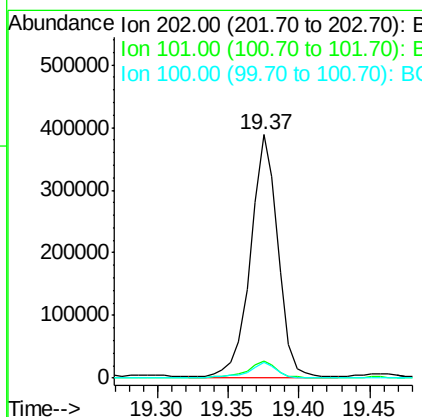
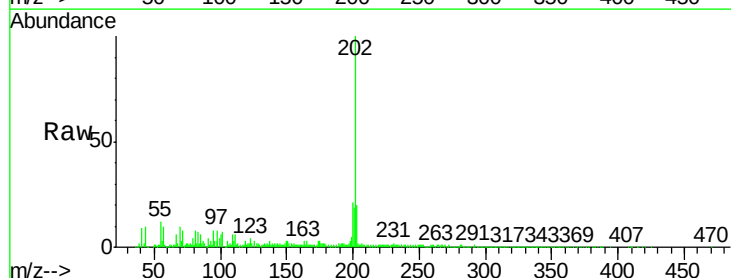
Manual Integrations
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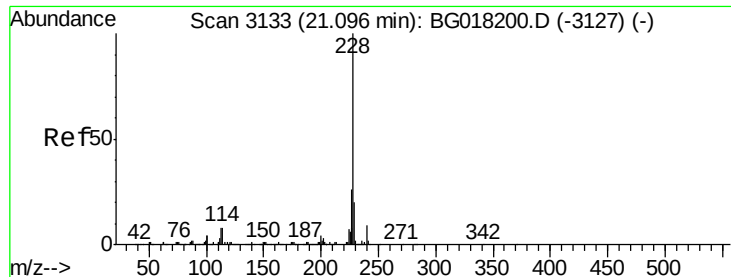
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#80
Pyrene
Concen: 21.94 ng/ul m
RT: 19.37 min Scan# 2840
Delta R.T. 0.03 min
Lab File: BG018231.D
Acq: 2 Aug 2015 18:10

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		528431		
101	7.2	8.1	12.1#		
100	6.5	7.4	11.0#		





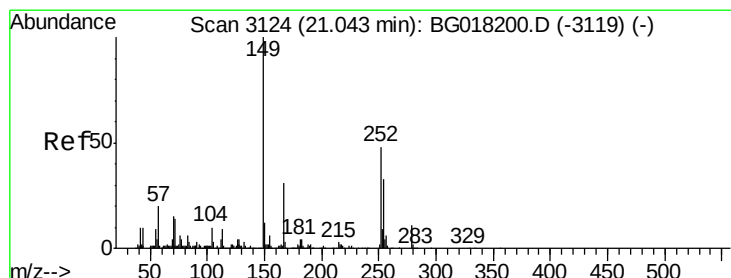
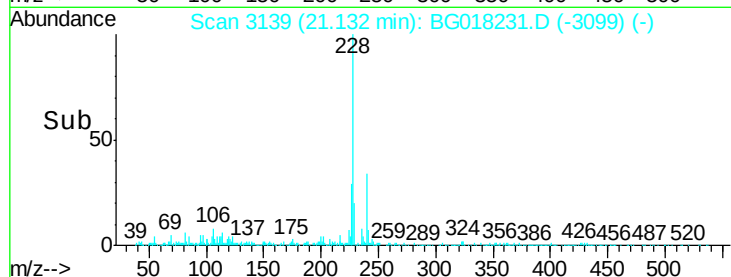
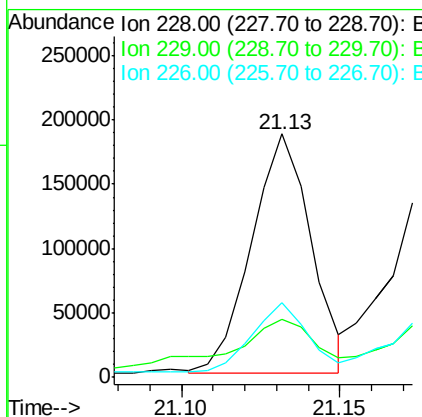
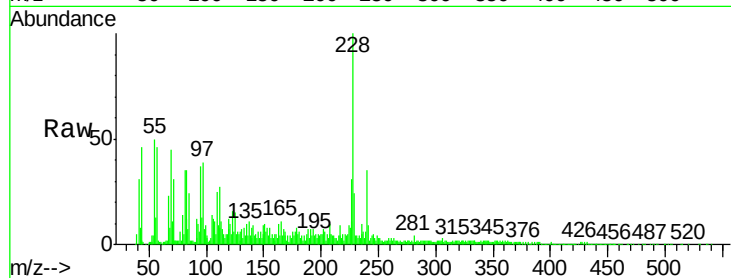
#83
Benzo(a)anthracene
Concen: 11.31 ng/ul
RT: 21.13 min Scan# 3139
Delta R.T. 0.03 min
Lab File: BG018231.D
Acq: 2 Aug 2015 18:10

Instrument :
BNA_G
ClientSampleId :
C01Z8RE

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.0	16.5	24.7
226	30.6	21.5	32.3

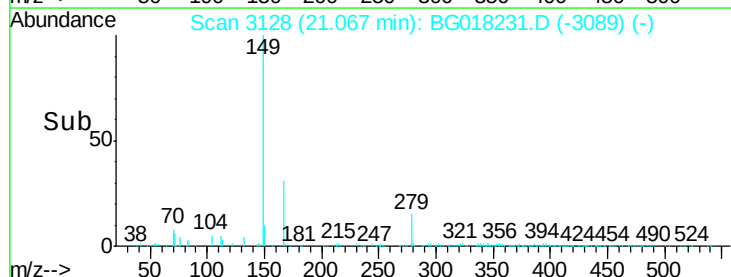
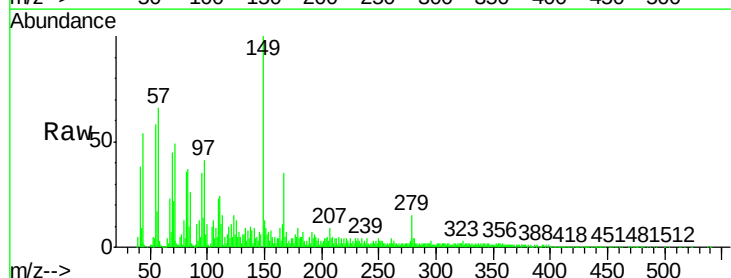
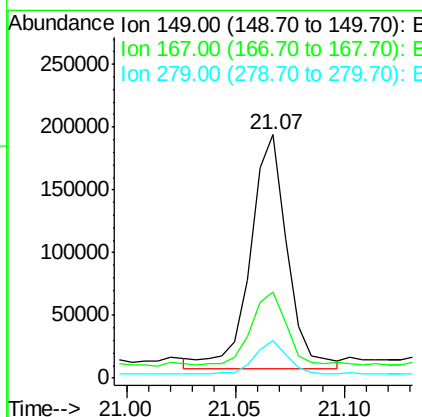
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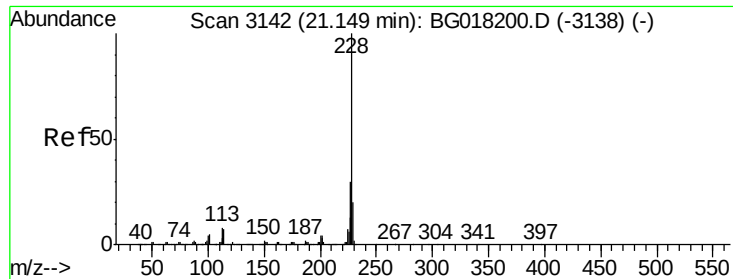
MMDadoda
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#84
Bis(2-ethylhexyl)phthalate
Concen: 16.68 ng/ul m
RT: 21.07 min Scan# 3128
Delta R.T. 0.03 min
Lab File: BG018231.D
Acq: 2 Aug 2015 18:10

Tgt Ion	Ratio	Lower	Upper
149	100		
167	35.4	27.4	41.2
279	15.2	8.3	12.5#





#85

Chrysene

Concen: 15.38 ng/ul m

RT: 21.18 min Scan# 3147

Delta R.T. 0.03 min

Lab File: BG018231.D

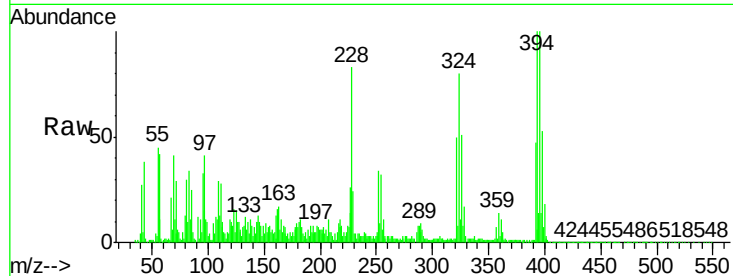
Acq: 2 Aug 2015 18:10

Instrument :

BNA_G

ClientSampleId :

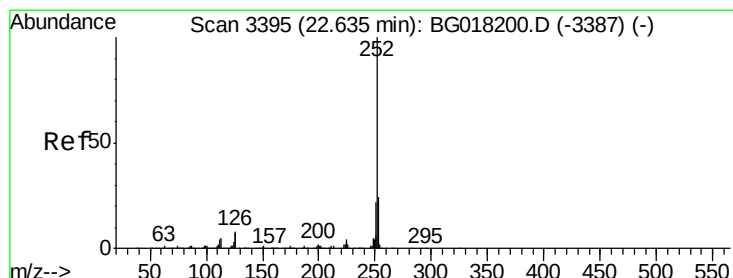
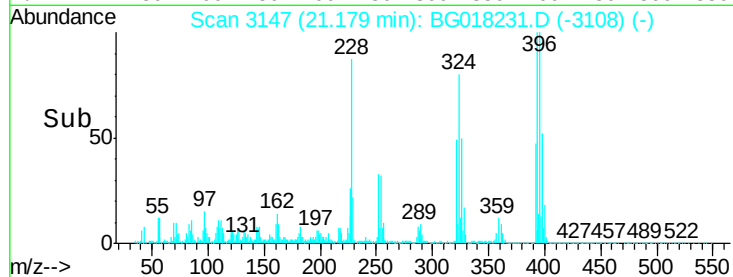
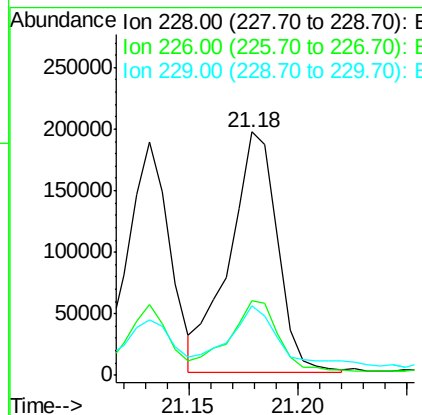
C01Z8RE



Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	30.9	22.7	34.1	
229	28.3	16.2	24.2	

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#88

Benzo(b)fluoranthene

Concen: 19.15 ng/ul

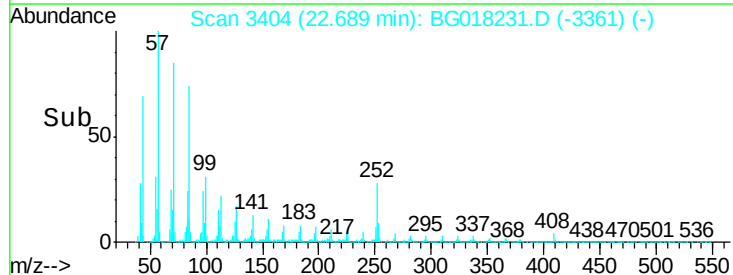
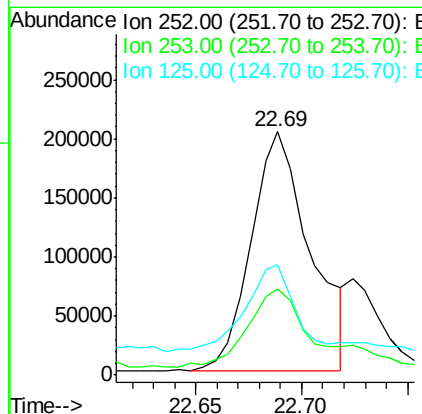
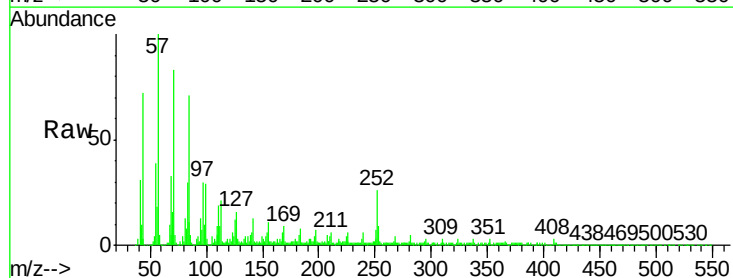
RT: 22.69 min Scan# 3404

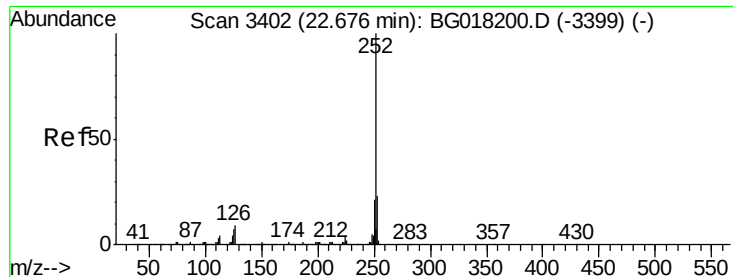
Delta R.T. 0.05 min

Lab File: BG018231.D

Acq: 2 Aug 2015 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	35.5	18.5	27.7	#
125	45.5	7.4	11.0	#





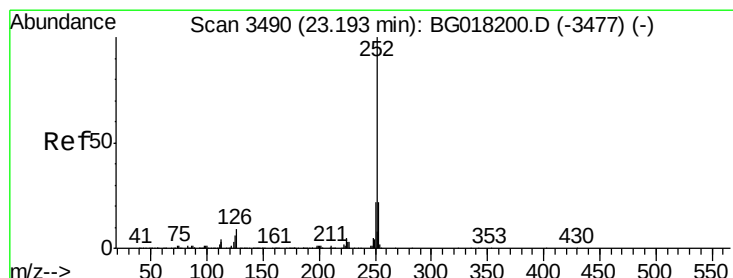
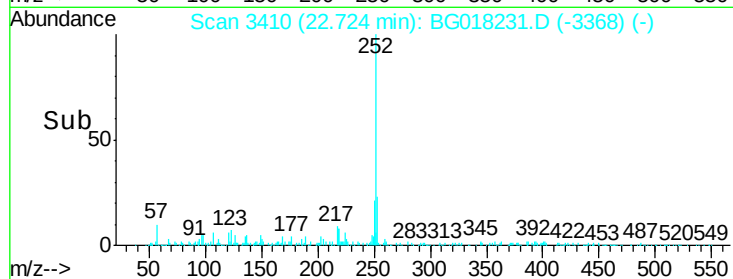
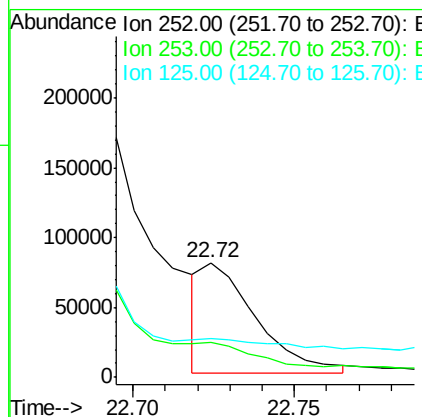
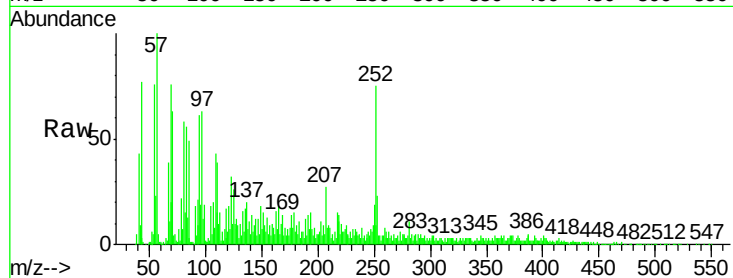
#89
Benzo(k)fluoranthene
Concen: 4.91 ng/ul m
RT: 22.72 min Scan# 3410
Delta R.T. 0.04 min
Lab File: BG018231.D
Acq: 2 Aug 2015 18:10

Instrument :
BNA_G
ClientSampled :
C01Z8RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.7	18.2	27.2#
125	33.9	7.5	11.3#

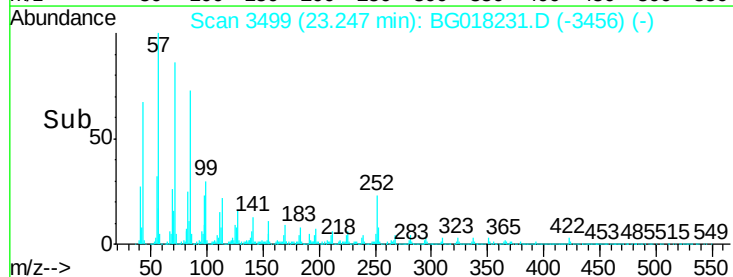
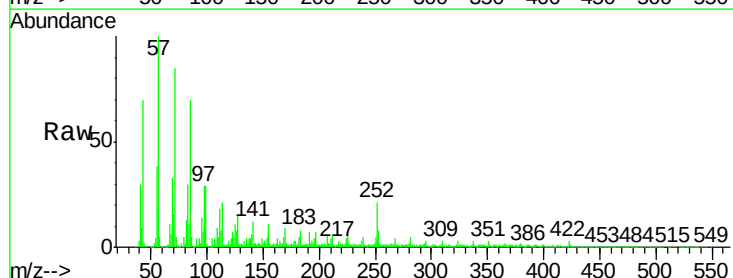
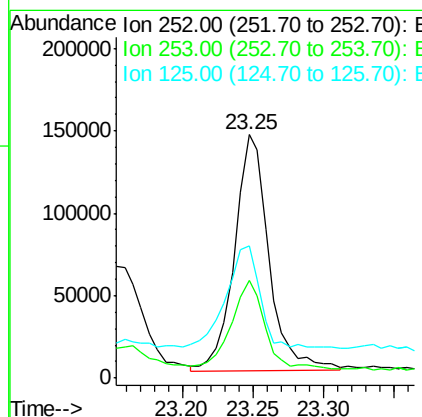
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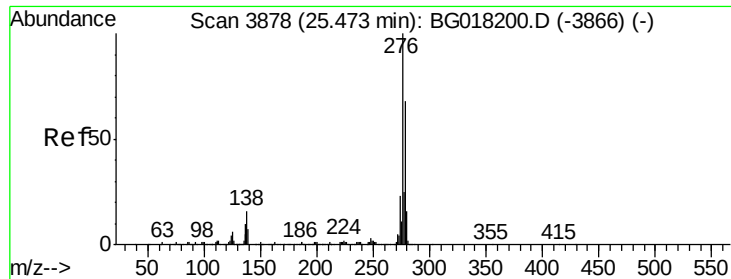
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#91
Benzo(a)pyrene
Concen: 13.19 ng/ul
RT: 23.25 min Scan# 3499
Delta R.T. 0.05 min
Lab File: BG018231.D
Acq: 2 Aug 2015 18:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	40.2	17.4	26.2#
125	54.2	7.3	10.9#





#92

Indeno(1,2,3-cd)pyrene

Concen: 3.01 ng/ul

RT: 25.57 min Scan# 3895

Delta R.T. 0.09 min

Lab File: BG018231.D

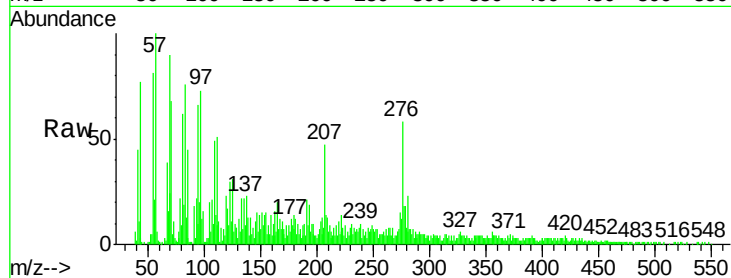
Acq: 2 Aug 2015 18:10

Instrument :

BNA_G

ClientSampleId :

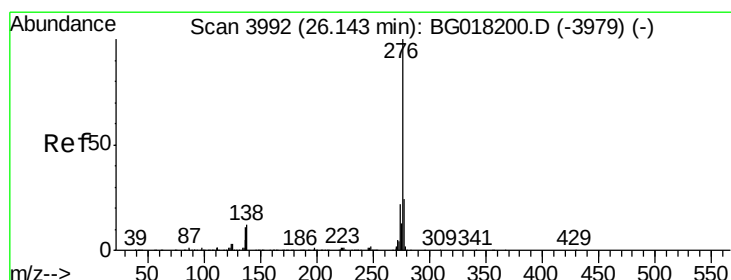
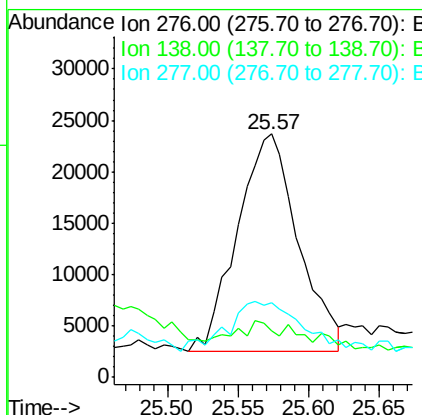
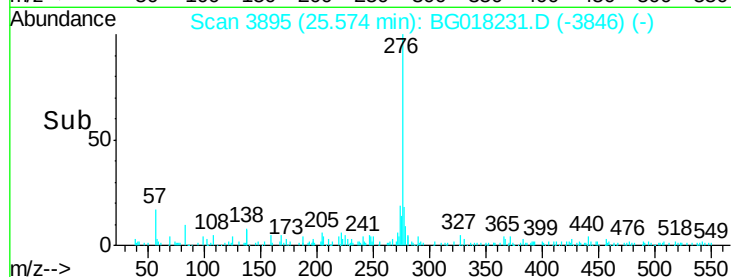
C01Z8RE



Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.0	17.2	25.8
277	30.7	19.5	29.3#

Manual Integrations
APPROVED

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#94

Benzo(g,h,i)perylene

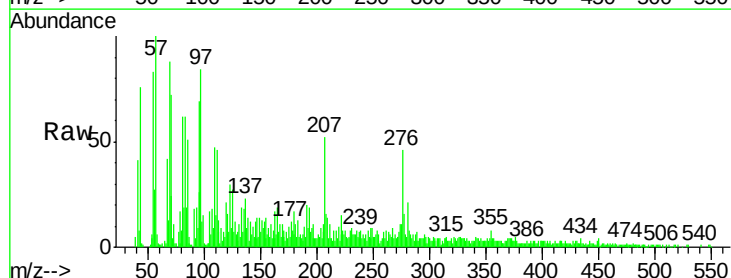
Concen: 3.32 ng/ul

RT: 26.24 min Scan# 4009

Delta R.T. 0.09 min

Lab File: BG018231.D

Acq: 2 Aug 2015 18:10



Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	15.1	22.7
277	34.2	19.8	29.6#

