

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072715\
 Data File : BG018135.D
 Acq On : 28 Jul 2015 4:22
 Operator : TP/UM
 Sample : G3000-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02B8

Manual Integrations
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mohammad
 7/28/2015 5:50:49 PM

Quant Time: Jul 28 06:55:02 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 28 02:39:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	36201	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	170453	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.18	164	105019	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.94	188	220996	20.00	ng/ul	0.00
78) Chrysene-d12	21.14	240	235832	20.00	ng/ul	0.00
86) Perylene-d12	23.33	264	249790	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	2641	4.56	ng/uL	0.00
5) Phenol-d5	6.69	99	64180	22.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.85	67	31508	22.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.04	132	60426	24.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.22	113	52215	21.08	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	32382	24.03	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	34968	24.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.91	165	61385	24.79	ng/ul	0.00
29) 4-Chloroaniline-d4	10.43	131	57568	19.98	ng/ul	0.00
44) Dimethylphthalate-d6	13.60	166	186243	25.26	ng/ul	0.00
47) Acenaphthylene-d8	13.87	160	225258	24.86	ng/ul	0.00
52) 4-Nitrophenol-d4	14.40	143	24675	15.91	ng/ul	0.00
58) Fluorene-d10	15.18	176	166337	24.41	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.31	200	21358	15.12	ng/ul	0.00
71) Anthracene-d10	17.03	188	230579	24.09	ng/ul	0.00
79) Pyrene-d10	19.34	212	240257	22.24	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.19	264	243153	20.40	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.34	128	20353	2.55	ng/ul	98
45) Dimethylphthalate	13.65	163	104155	14.04	ng/ul	98
50) Acenaphthene	14.24	153	18475	2.97	ng/ul	98
54) Dibenzofuran	14.58	168	21609	2.44	ng/ul	98
59) Fluorene	15.23	166	30893	4.05	ng/ul	98
70) Phenanthrene	16.98	178	179699	16.18	ng/ul	97
72) Anthracene	17.06	178	25263	2.24	ng/ul	100
75) Carbazole	17.34	167	13220	1.35	ng/ul#	92
76) Di-n-butylphthalate	17.92	149	24320	1.89	ng/ul#	91
77) Fluoranthene	19.00	202	151520	12.81	ng/ul	95
80) Pyrene	19.37	202	125586	9.30	ng/ul	99
81) Butylbenzylphthalate	20.29	149	14869	2.69	ng/ul	98
83) Benzo(a)anthracene	21.12	228	47676	3.82	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.07	149	64619	8.16	ng/ul	98
85) Chrysene	21.18	228	55869m	4.76	ng/ul	
88) Benzo(b)fluoranthene	22.68	252	77420	5.66	ng/ul#	84
89) Benzo(k)fluoranthene	22.71	252	22578m	1.70	ng/ul	
91) Benzo(a)pyrene	23.23	252	45450	3.43	ng/ul#	91
92) Indeno(1,2,3-cd)pyrene	25.54	276	33888	2.22	ng/ul	95
94) Benzo(g,h,i)perylene	26.21	276	31873	2.52	ng/ul	98

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

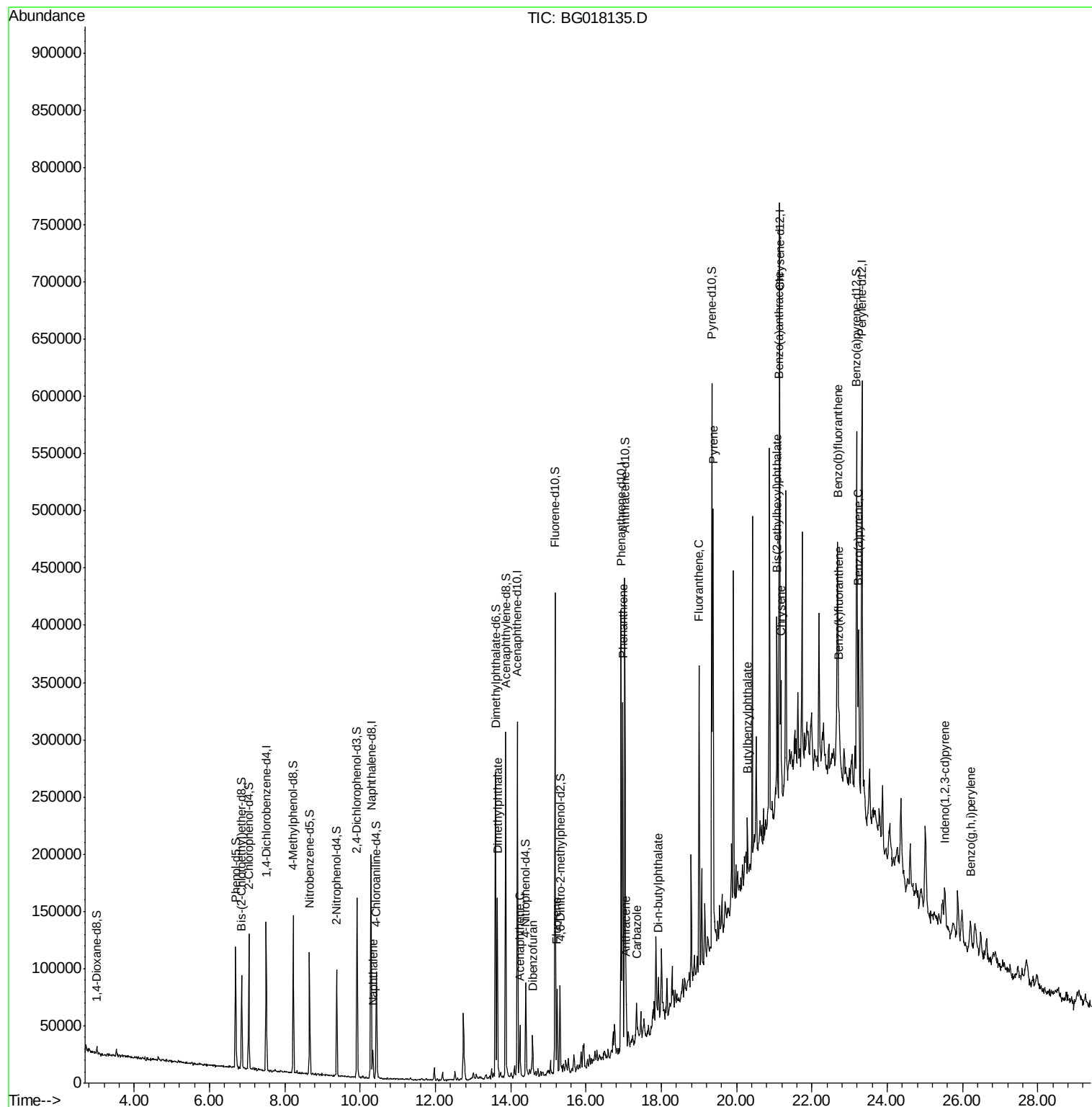
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072715\
Data File : BG018135.D
Acq On : 28 Jul 2015 4:22
Operator : TP/UM
Sample : G3000-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

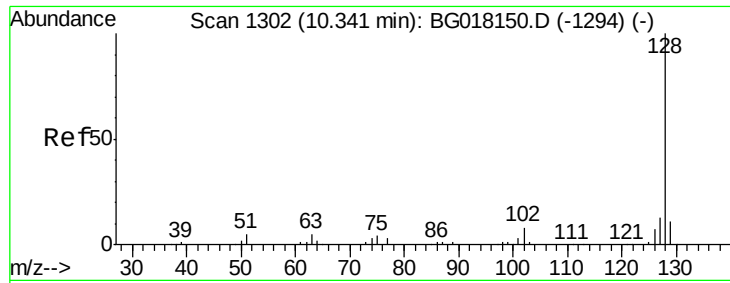
Instrument :
BNA_G
ClientSampleId :
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Quant Time: Jul 28 06:55:02 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION
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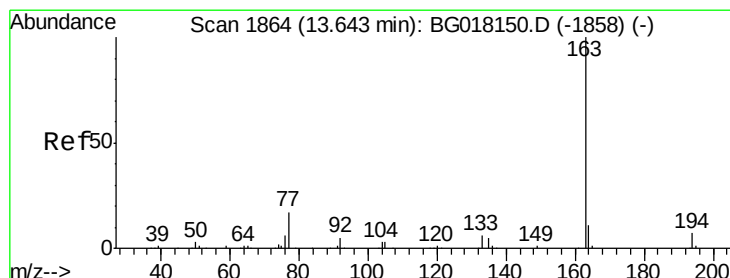
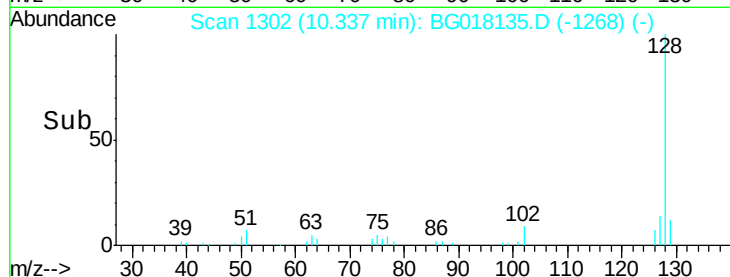
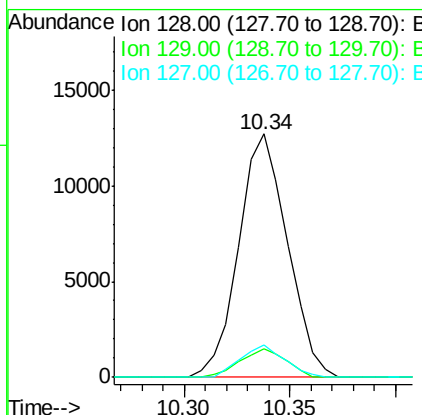
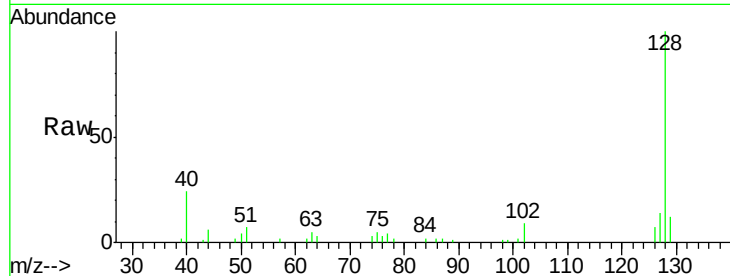
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Naphthalene
Concen: 2.55 ng/ul
RT: 10.34 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BG018135.D
Acq: 28 Jul 2015 4:22

Instrument :
BNA_G
ClientSampleId :
C02B8

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.5	14.3
127	13.5	10.1	15.1

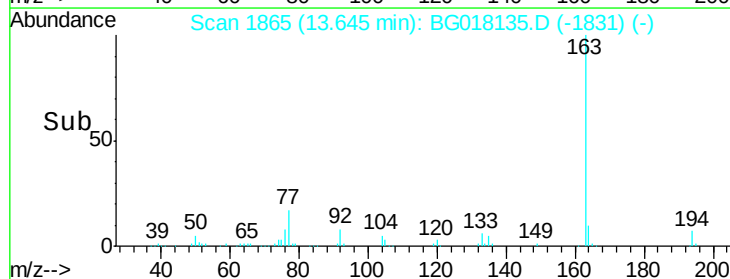
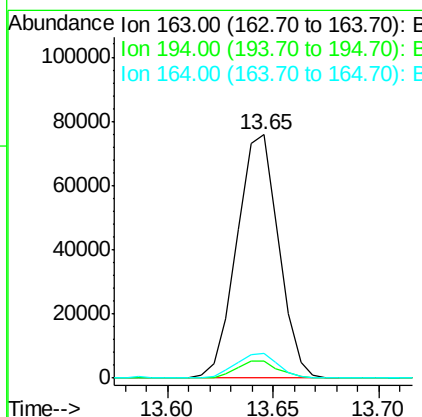
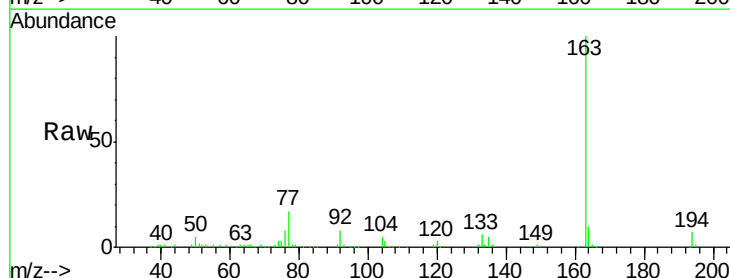
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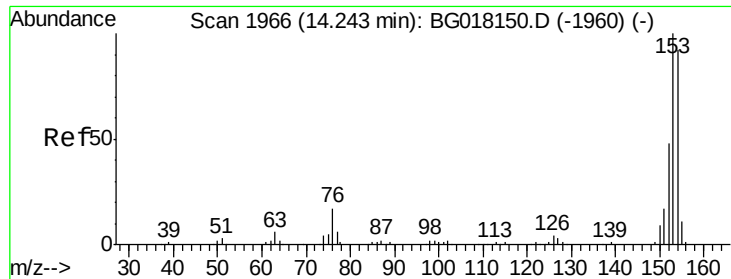
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#45
Dimethylphthalate
Concen: 14.04 ng/ul
RT: 13.65 min Scan# 1865
Delta R.T. -0.00 min
Lab File: BG018135.D
Acq: 28 Jul 2015 4:22

Tgt Ion	Ratio	Lower	Upper
163	100		
194	7.1	5.4	8.2
164	10.0	8.7	13.1





#50

Acenaphthene

Concen: 2.97 ng/ul

RT: 14.24 min Scan# 1966

Delta R.T. -0.01 min

Lab File: BG018135.D

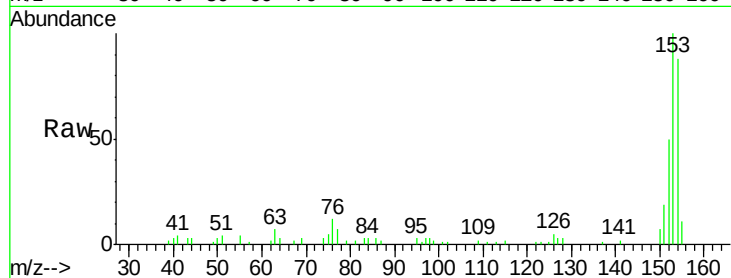
Acq: 28 Jul 2015 4:22

Instrument :

BNA_G

ClientSampleId :

C02B8



Tgt Ion:153 Resp: 18475

Ion Ratio Lower Upper

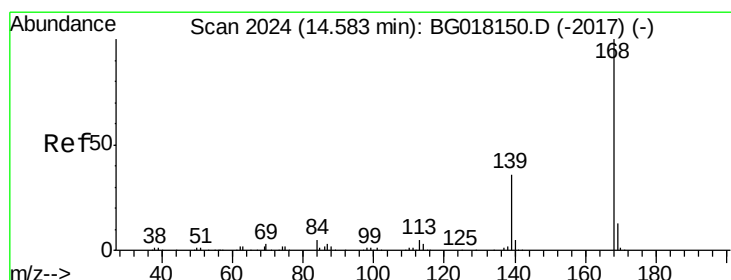
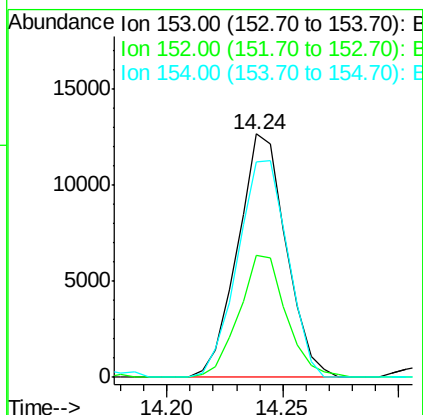
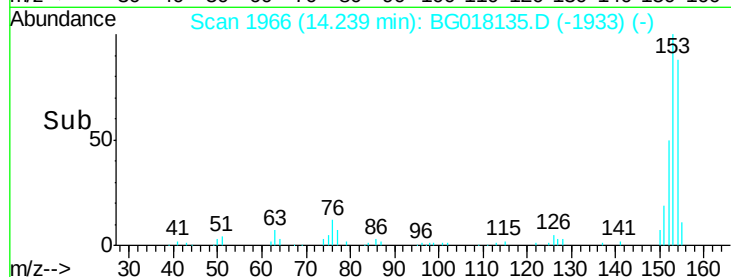
153 100

152 50.1 38.9 58.3

154 88.4 72.6 108.8

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#54

Dibenzofuran

Concen: 2.44 ng/ul

RT: 14.58 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BG018135.D

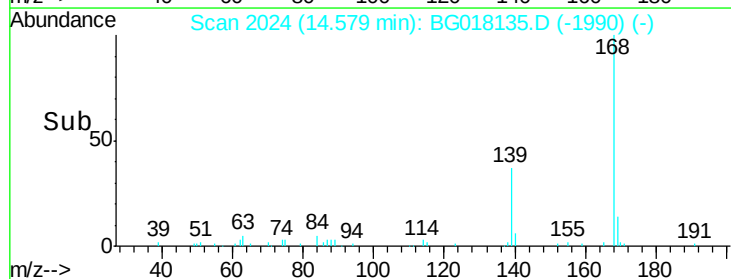
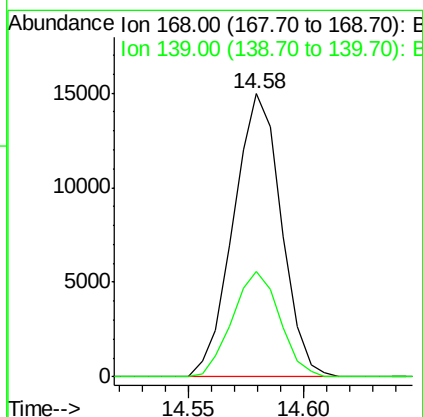
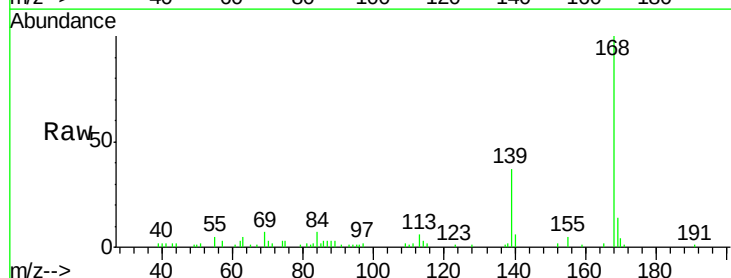
Acq: 28 Jul 2015 4:22

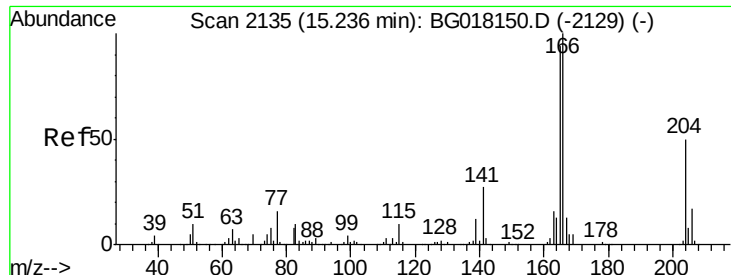
Tgt Ion:168 Resp: 21609

Ion Ratio Lower Upper

168 100

139 37.4 30.6 46.0





#59

Fluorene

Concen: 4.05 ng/ul

RT: 15.23 min Scan# 2135

Delta R.T. -0.00 min

Lab File: BG018135.D

Acq: 28 Jul 2015 4:22

Instrument :

BNA_G

ClientSampleId :

C02B8

Tgt Ion:166 Resp: 30893

Ion Ratio Lower Upper

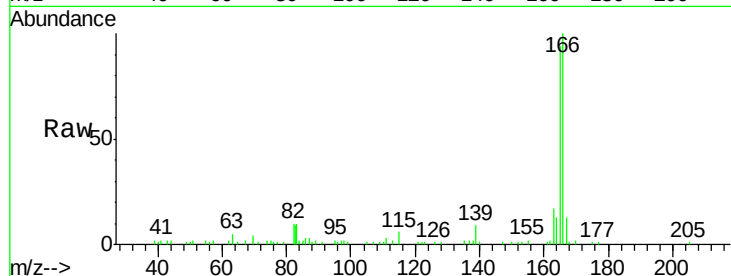
166 100

165 94.3 73.6 110.4

167 13.2 10.8 16.2

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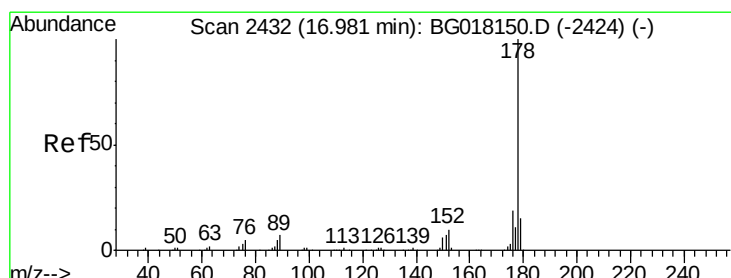
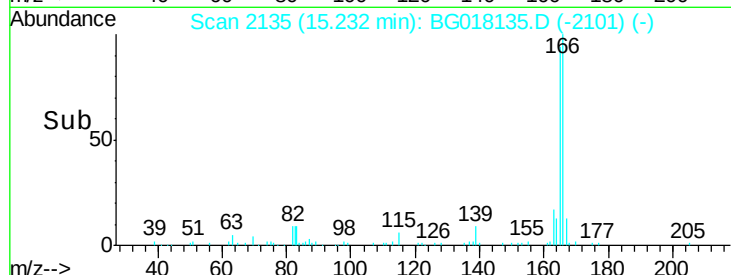
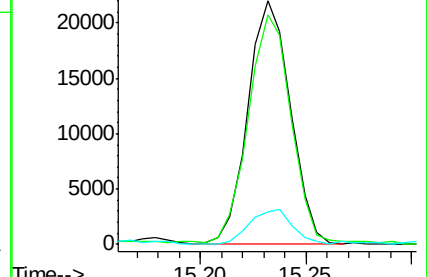
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 16.18 ng/ul

RT: 16.98 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BG018135.D

Acq: 28 Jul 2015 4:22

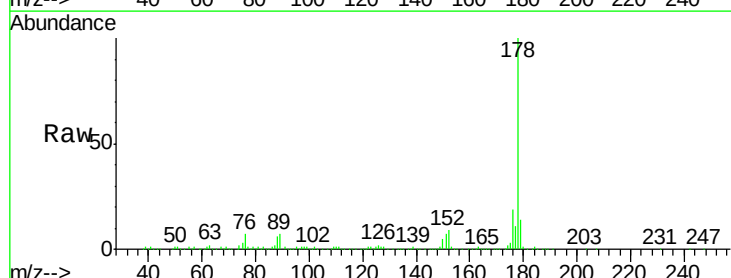
Tgt Ion:178 Resp: 179699

Ion Ratio Lower Upper

178 100

179 14.4 13.0 19.6

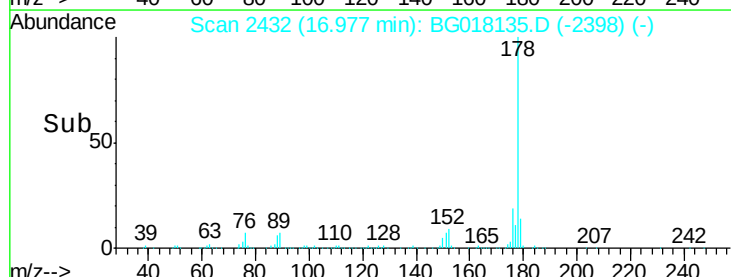
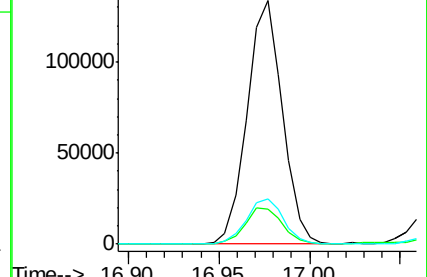
176 18.7 15.8 23.8

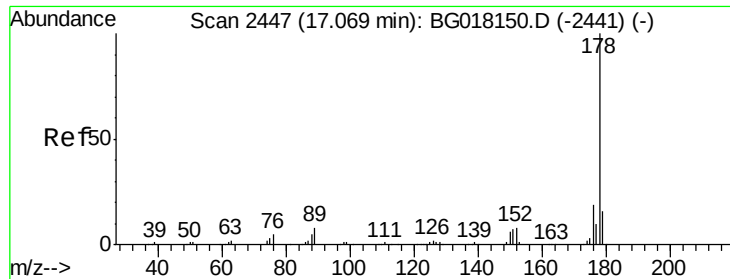


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 2.24 ng/ul

RT: 17.06 min Scan# 2447

Delta R.T. -0.01 min

Lab File: BG018135.D

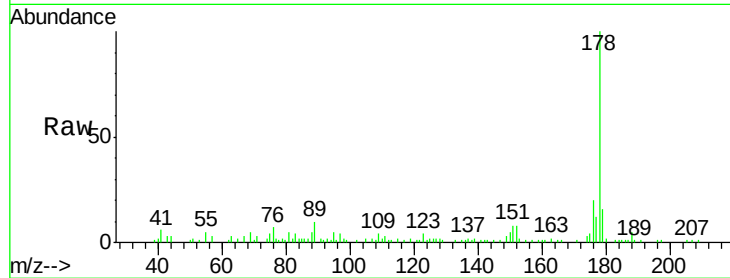
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Instrument :

BNA_G

ClientSampleId :

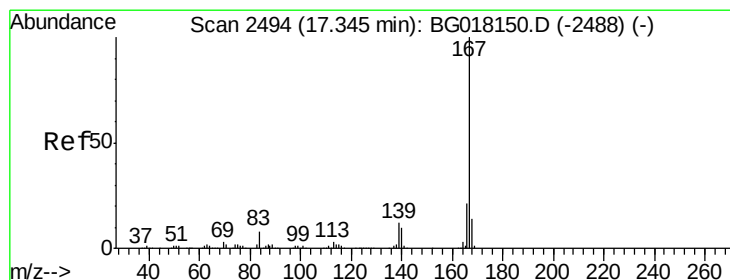
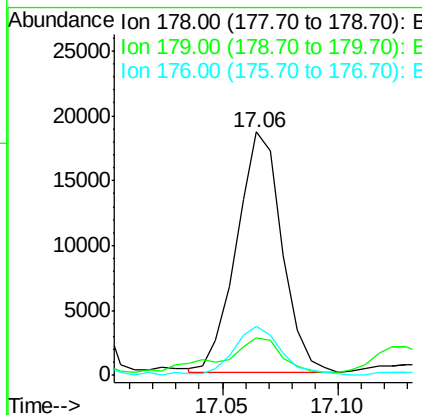
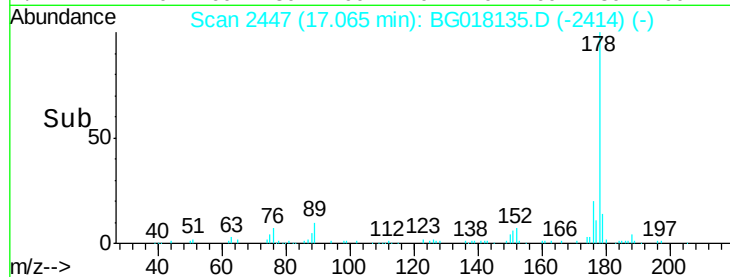
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Tgt Ion:	178	Resp:	25263
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.4	18.6
176	20.0	15.8	23.8

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#75

Carbazole

Concen: 1.35 ng/ul

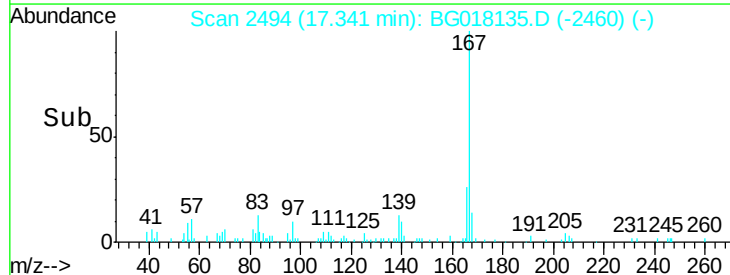
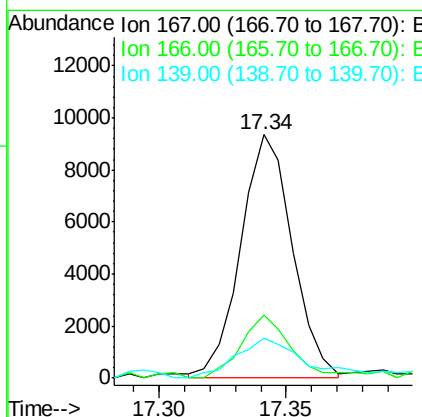
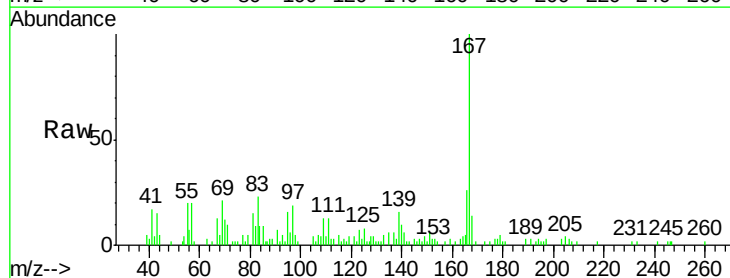
RT: 17.34 min Scan# 2494

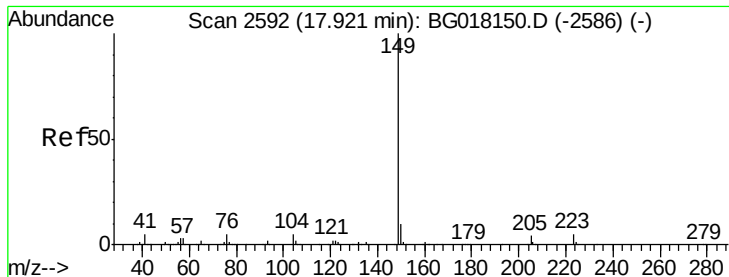
Delta R.T. -0.00 min

Lab File: BG018135.D

Acq: 28 Jul 2015 4:22

Tgt Ion:	167	Resp:	13220
Ion Ratio	Lower	Upper	
167	100		
166	25.8	17.4	26.2
139	16.3	10.6	15.8#





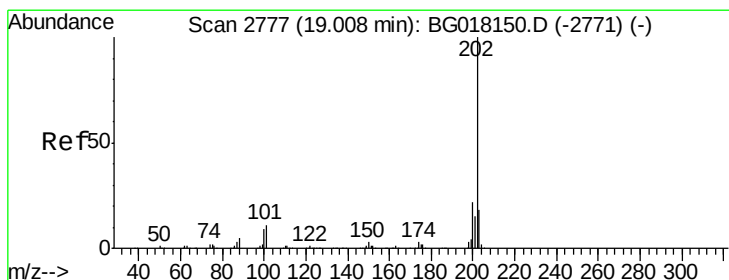
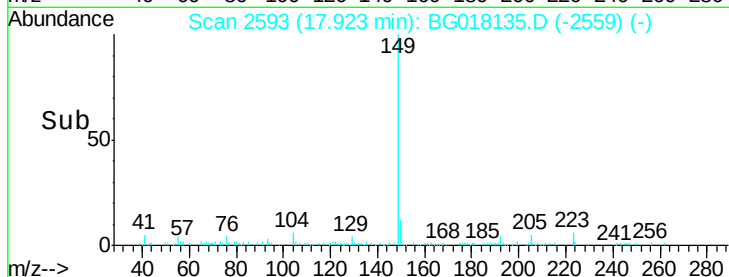
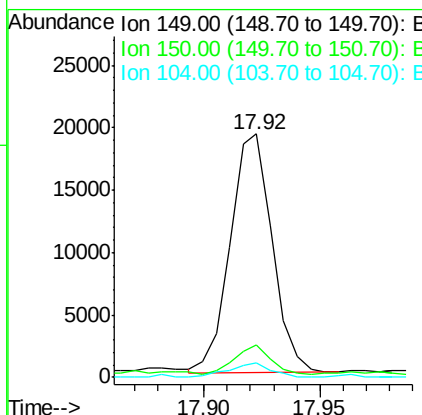
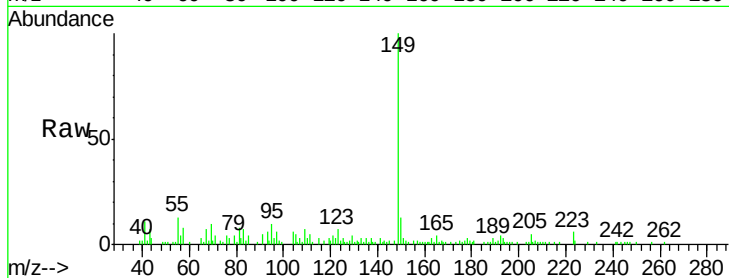
#76
Di-n-butylphthalate
Concen: 1.89 ng/ul
RT: 17.92 min Scan# 2593
Delta R.T. -0.00 min
Lab File: BG018135.D
Acq: 28 Jul 2015 4:22

Instrument :
BNA_G
ClientSampleId :
C02B8

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
150	13.4	7.4	11.0#
104	5.8	3.8	5.8#

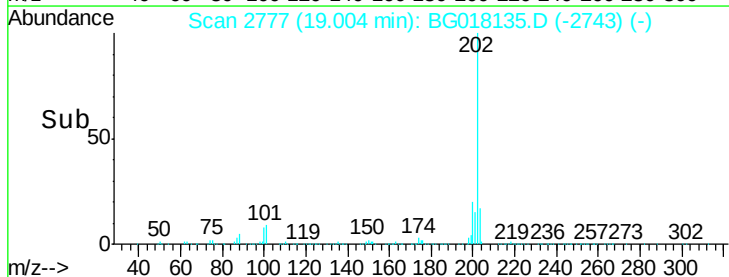
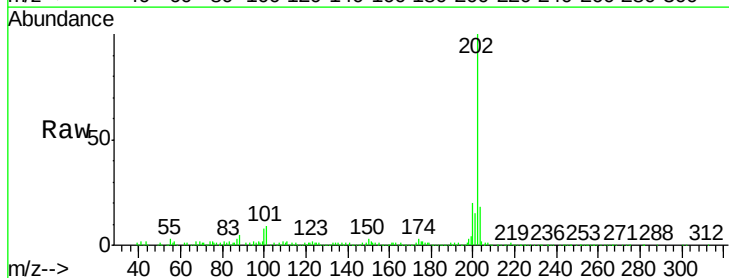
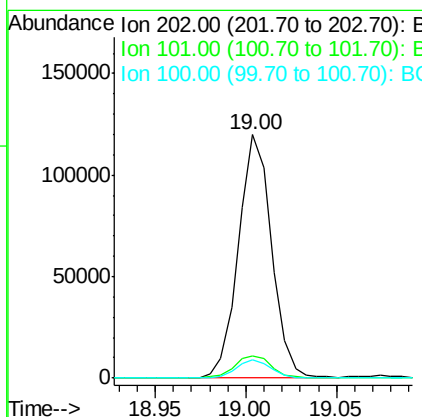
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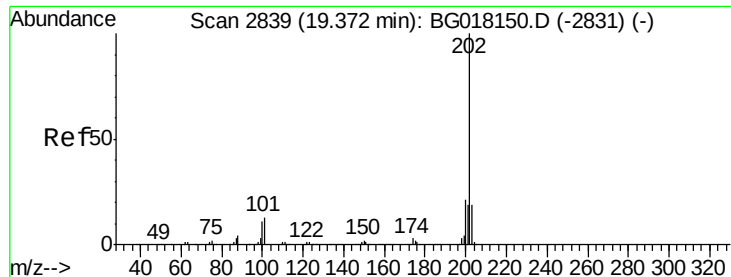
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#77
Fluoranthene
Concen: 12.81 ng/ul
RT: 19.00 min Scan# 2777
Delta R.T. -0.00 min
Lab File: BG018135.D
Acq: 28 Jul 2015 4:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.4	9.1	13.7
100	7.7	7.5	11.3





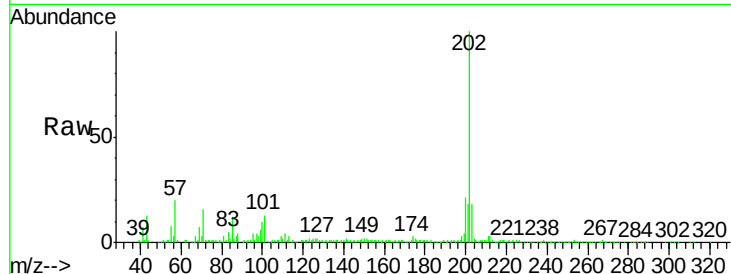
#80
 Pyrene
 Concen: 9.30 ng/ul
 RT: 19.37 min Scan# 2839
 Delta R.T. -0.01 min
 Lab File: BG018135.D
 Acq: 28 Jul 2015 4:22

Instrument :
 BNA_G
 ClientSampleId :
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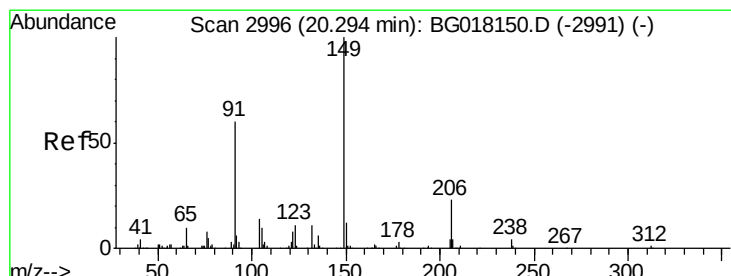
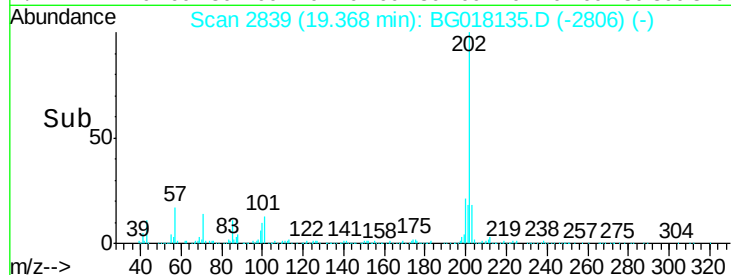
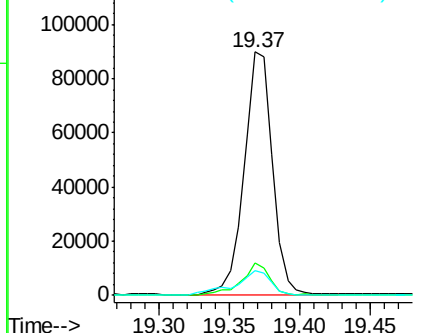
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	125586		
101	13.4	10.9	16.3	
100	10.4	8.5	12.7	

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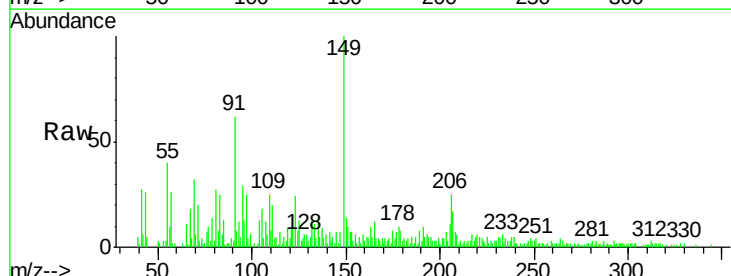


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): E

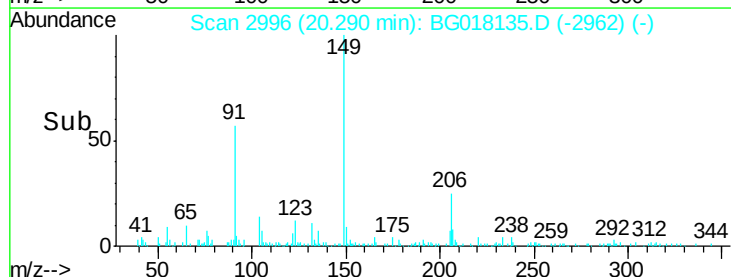
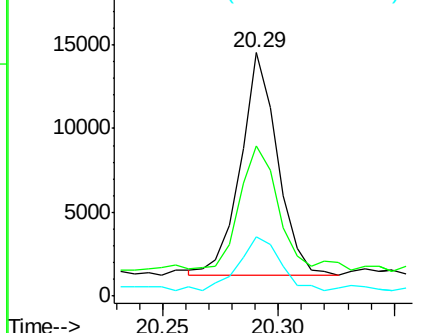


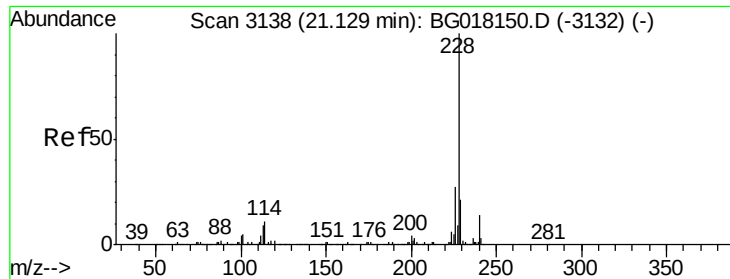
#81
 Butylbenzylphthalate
 Concen: 2.69 ng/ul
 RT: 20.29 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: BG018135.D
 Acq: 28 Jul 2015 4:22

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	14869		
91	61.7	51.1	76.7	
206	24.6	19.9	29.9	



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): E
 Ion 206.00 (205.70 to 206.70): E





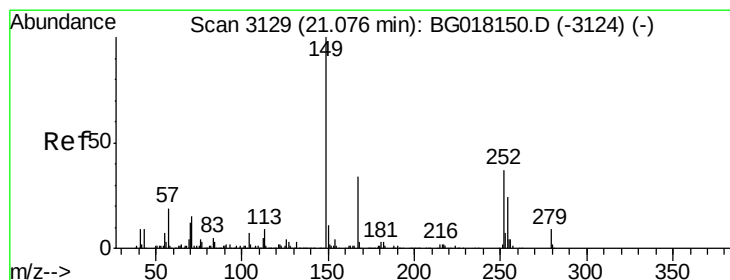
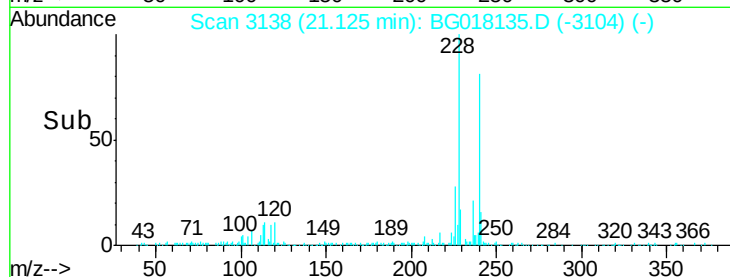
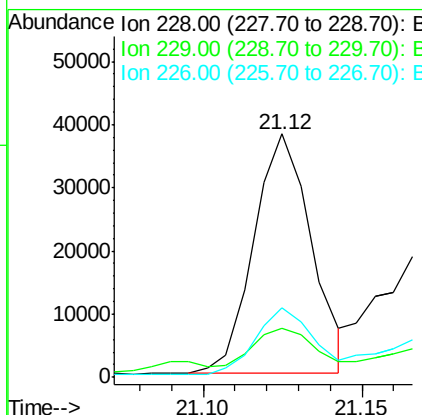
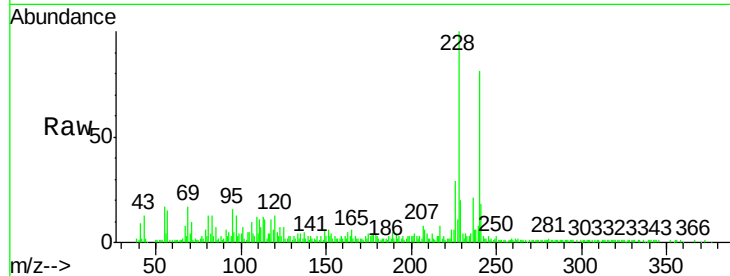
#83
Benzo(a)anthracene
Concen: 3.82 ng/ul
RT: 21.12 min Scan# 3138
Delta R.T. -0.00 min
Lab File: BG018135.D
Acq: 28 Jul 2015 4:22

Instrument :
BNA_G
ClientSampled :
C02B8

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	16.6	24.8
226	28.7	21.1	31.7

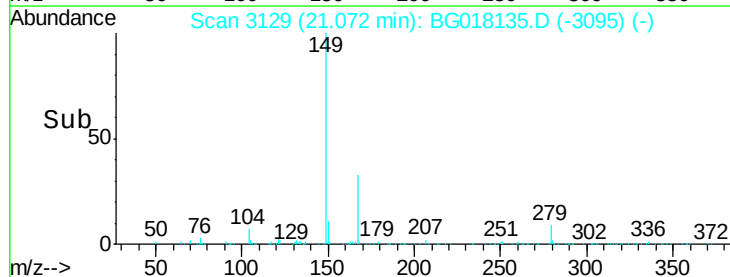
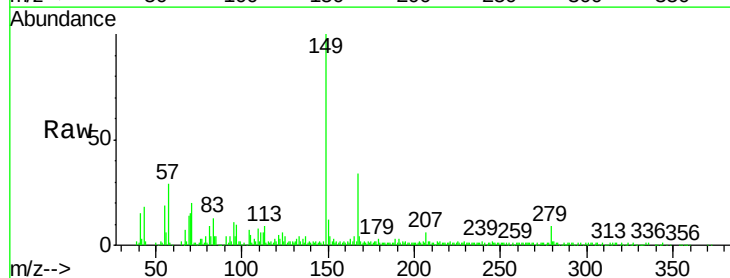
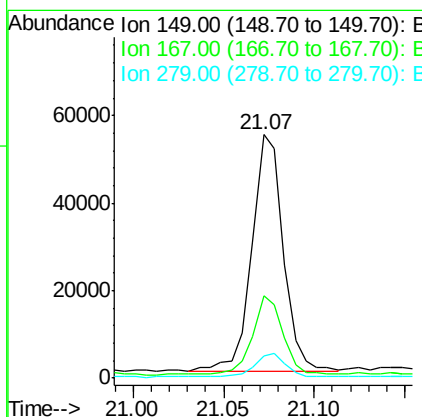
Manual Integrations
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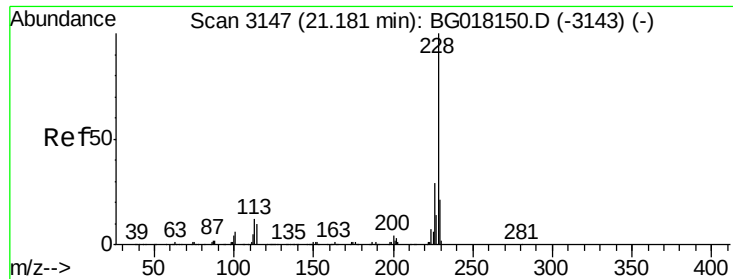
mohammad
7/28/2015 5:50:49 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 8.16 ng/ul
RT: 21.07 min Scan# 3129
Delta R.T. -0.00 min
Lab File: BG018135.D
Acq: 28 Jul 2015 4:22

Tgt Ion	Ratio	Lower	Upper
149	100		
167	34.1	26.2	39.4
279	9.0	7.2	10.8





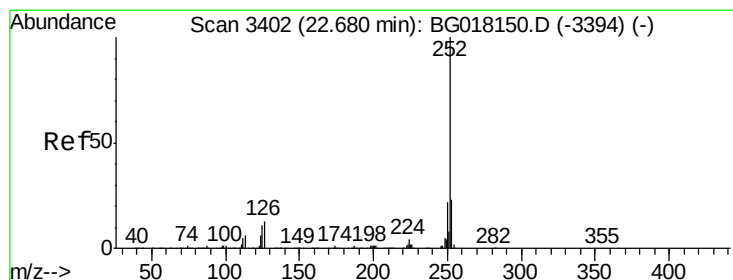
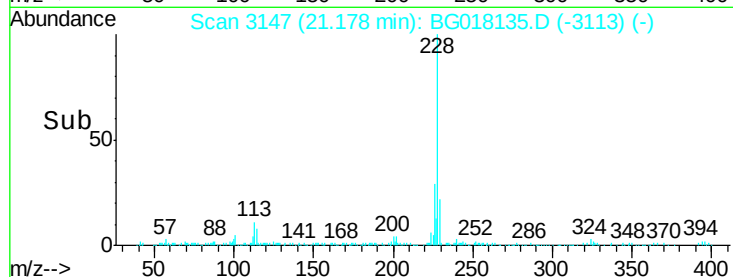
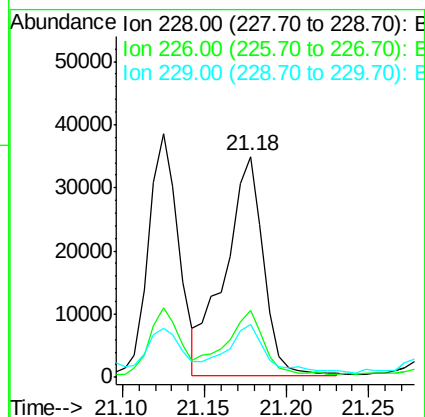
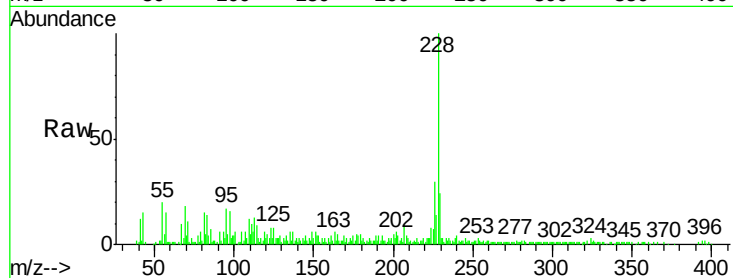
#85
Chrysene
Concen: 4.76 ng/ul m
RT: 21.18 min Scan# 3147
Delta R.T. -0.00 min
Lab File: BG018135.D
Acq: 28 Jul 2015 4:22

Instrument :
BNA_G
ClientSampled :
C02B8

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.1	22.9	34.3
229	23.8	15.6	23.4#

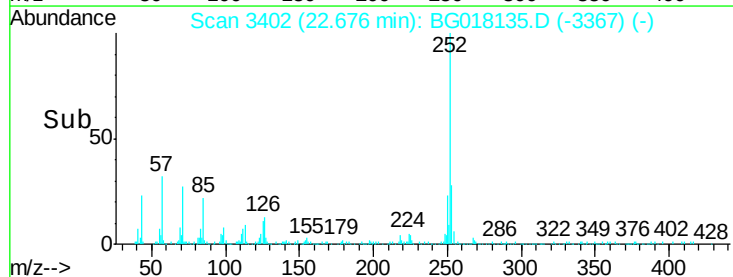
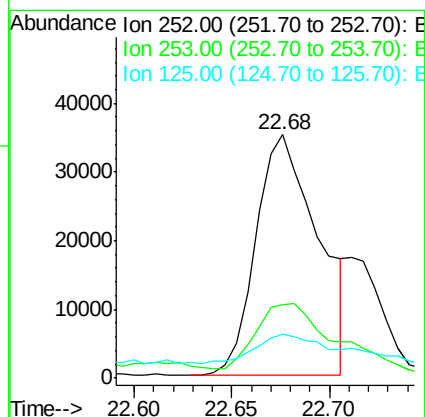
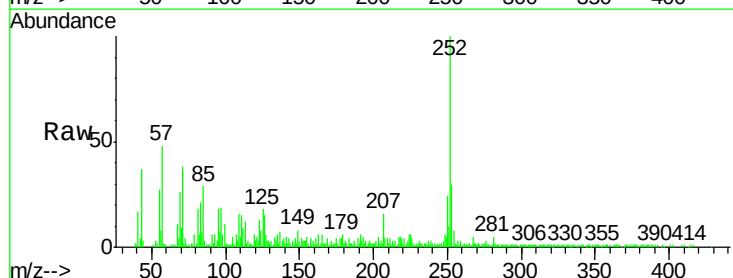
Manual Integrations
APPROVED

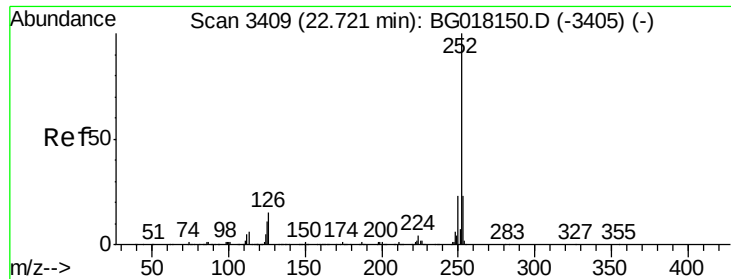
mohammad
7/28/2015 5:50:49 PM



#88
Benzo(b)fluoranthene
Concen: 5.66 ng/ul
RT: 22.68 min Scan# 3402
Delta R.T. 0.01 min
Lab File: BG018135.D
Acq: 28 Jul 2015 4:22

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	30.3	18.5	27.7#
125	18.1	9.1	13.7#





#89

Benzo(k)fluoranthene

Concen: 1.70 ng/ul m

RT: 22.71 min Scan# 3408

Delta R.T. -0.01 min

Lab File: BG018135.D

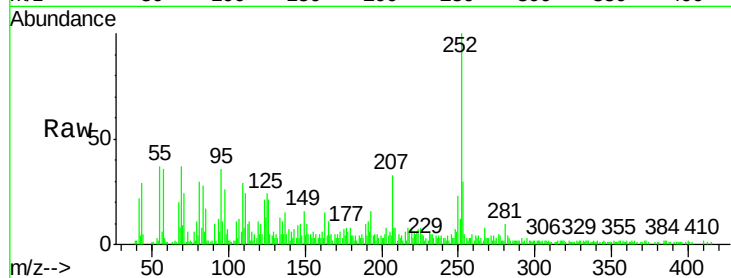
Acq: 28 Jul 2015 4:22

Instrument :

BNA_G

ClientSampleId :

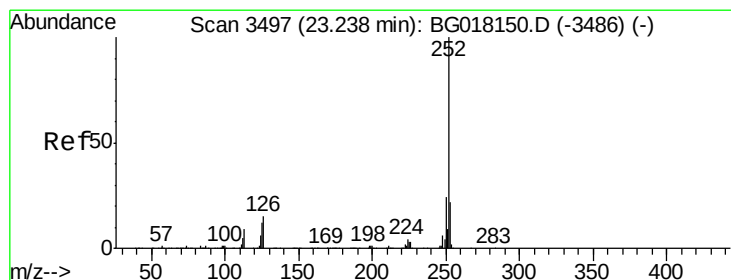
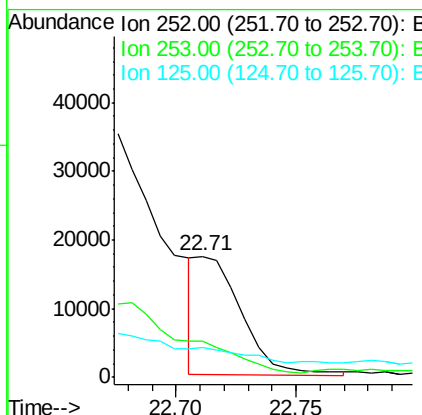
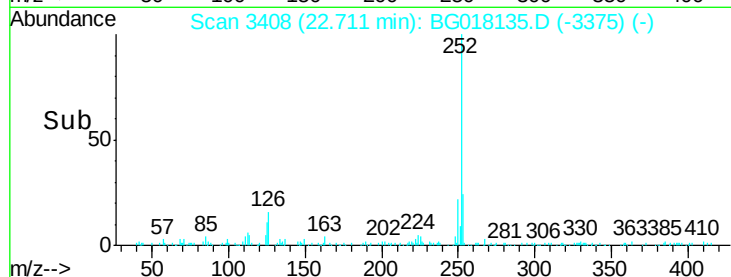
C02B8



Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.7	17.8	26.8#
125	24.3	9.3	13.9#

Manual Integrations
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#91

Benzo(a)pyrene

Concen: 3.43 ng/ul

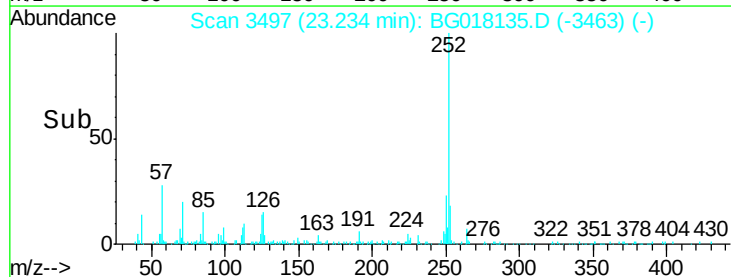
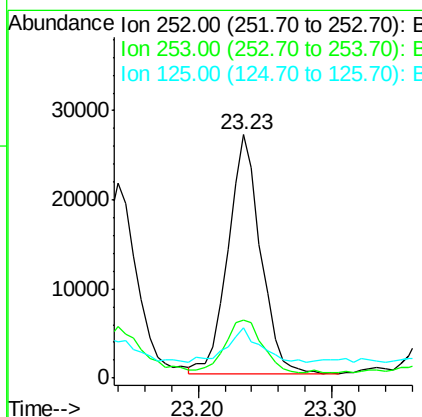
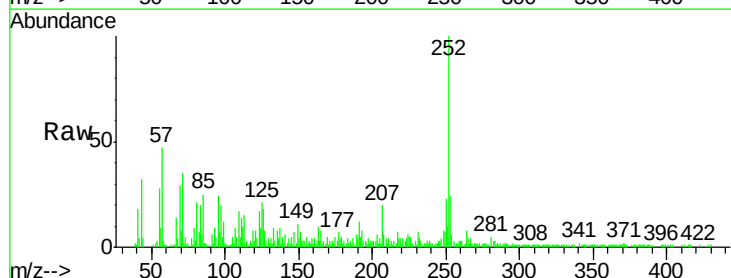
RT: 23.23 min Scan# 3497

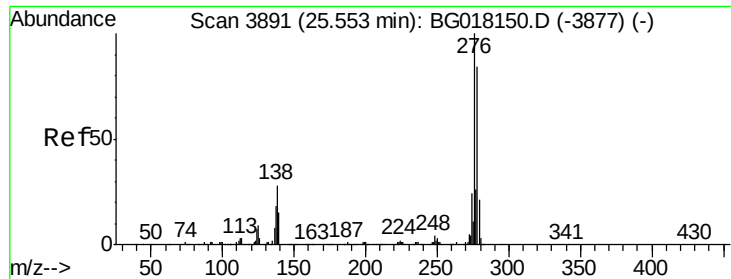
Delta R.T. -0.00 min

Lab File: BG018135.D

Acq: 28 Jul 2015 4:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	20.8	10.2	15.2#





#92

Indeno(1,2,3-cd)pyrene

Concen: 2.22 ng/ul

RT: 25.54 min Scan# 3889

Delta R.T. -0.00 min

Lab File: BG018135.D

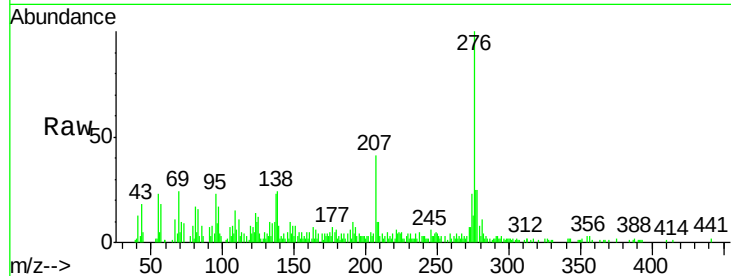
Acq: 28 Jul 2015 4:22

Instrument :

BNA_G

ClientSampleId :

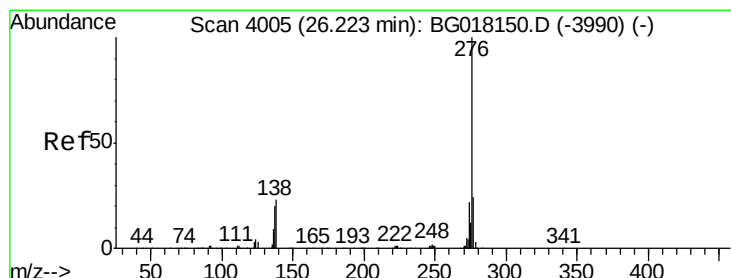
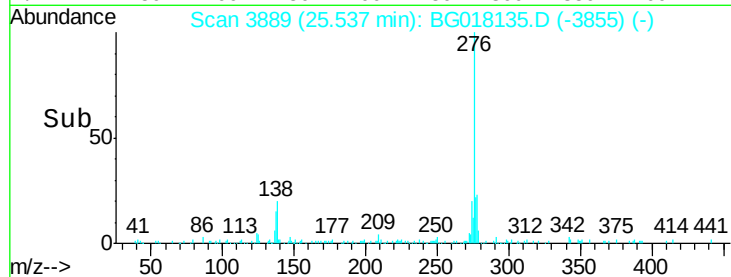
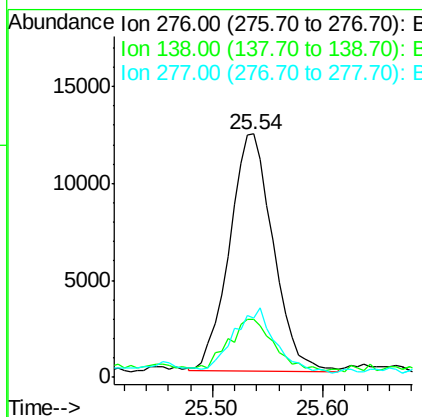
C02B8



Tgt Ion	Ratio	Resp	Lower	Upper
276	100	33888		
138	23.6		22.6	33.8
277	24.5		19.8	29.8

Manual Integrations
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7/28/2015 5:50:49 PM



#94

Benzo(g,h,i)perylene

Concen: 2.52 ng/ul

RT: 26.21 min Scan# 4004

Delta R.T. -0.00 min

Lab File: BG018135.D

Acq: 28 Jul 2015 4:22

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	31873		
138	22.4		18.8	28.2
277	24.7		19.3	28.9

