

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
 Data File : BG042095.D
 Acq On : 9 Aug 2019 10:10
 Operator : HP/JU
 Sample : K4147-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AM8

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:16:32 AM

Quant Time: Aug 10 22:06:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 09 16:22:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	73246	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	283724	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	210204	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.46	188	386205	20.00	ng/ul	0.01
77) Chrysene-d12	21.74	240	414741	20.00	ng/ul	0.02
85) Perylene-d12	25.05	264	499210	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	7150	4.27	ng/uL	0.00
5) Phenol-d5	7.19	99	166640	28.99	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	81166	25.25	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	152315	30.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	145815	30.21	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	78917	36.95	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	93431	37.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	176150	35.19	ng/ul	0.00
29) 4-Chloroaniline-d4	11.00	131	159347	28.69	ng/ul	0.02
43) Dimethylphthalate-d6	14.11	166	489134	30.00	ng/ul	0.02
46) Acenaphthylene-d8	14.39	160	573253	30.78	ng/ul	0.00
51) 4-Nitrophenol-d4	14.95	143	98699m	36.06	ng/ul	0.07
57) Fluorene-d10	15.69	176	564326	38.91	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.83	200	88839	35.85	ng/ul	0.04
70) Anthracene-d10	17.56	188	708415	38.23	ng/ul	0.02
78) Pyrene-d10	19.85	212	728386	31.47	ng/ul	0.02
89) Benzo(a)pyrene-d12	24.82	264	900251	34.52	ng/ul	0.06

Target Compounds

					Ovalue	
6) Phenol	7.21	94	39274	6.619	ng/ul	94
11) 2-Methylphenol	8.47	108	65544	13.778	ng/ul	92
16) 4-Methylphenol	8.81	108	176755	34.393	ng/ul	85
24) 2,4-Dimethylphenol	10.02	107	239537m	45.825	ng/ul	
28) Naphthalene	10.90	128	346060	23.858	ng/ul	99
34) 2-Methylnaphthalene	12.52	142	667623	57.909	ng/ul	100
40) 1,1'-Biphenyl	13.52	154	124525	8.147	ng/ul	95
44) Dimethylphthalate	14.15	163	129772	8.017	ng/ul#	57
47) Acenaphthylene	14.42	152	32855	1.748	ng/ul#	31
49) Acenaphthene	14.76	153	78156	5.947	ng/ul	93
53) Dibenzofuran	15.09	168	274307	13.985	ng/ul	95
58) Fluorene	15.75	166	404038	25.574	ng/ul#	98
69) Phenanthrene	17.50	178	578390	27.356	ng/ul#	92
71) Anthracene	17.59	178	197823	9.225	ng/ul#	87
74) Carbazole	17.87	167	61110	3.440	ng/ul#	71
76) Fluoranthene	19.51	202	289596	11.855	ng/ul	98
79) Pyrene	19.87	202	376433	13.493	ng/ul	97
82) Benzo(a)anthracene	21.73	228	123672	4.301	ng/ul#	66
84) Chrysene	21.79	228	104815	3.905	ng/ul#	69
87) Benzo(b)fluoranthene	24.00	252	87640	2.797	ng/ul#	73
90) Benzo(a)pyrene	24.89	252	85836	2.875	ng/ul#	79
91) Indeno(1,2,3-cd)pyrene	28.81	276	42437	1.219	ng/ul#	80
93) Benzo(g,h,i)perylene	29.98	276	34096	1.173	ng/ul#	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

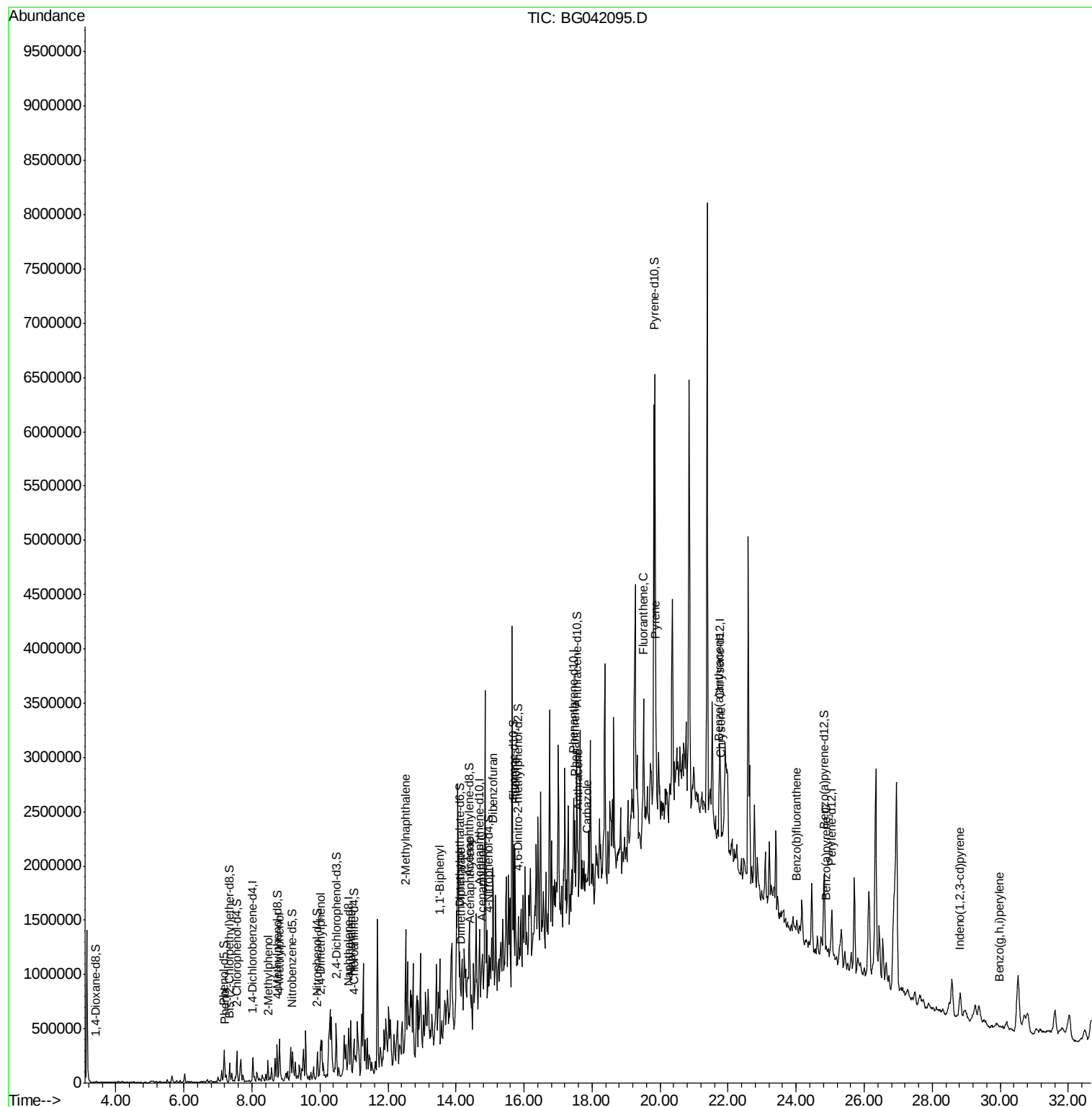
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
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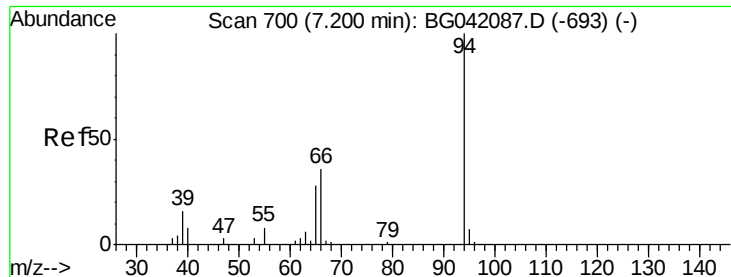
Instrument :
BNA_G
ClientSampleId :
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 6.619 ng/ul

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG042095.D

Acq: 9 Aug 2019 10:10

Instrument :

BNA_G

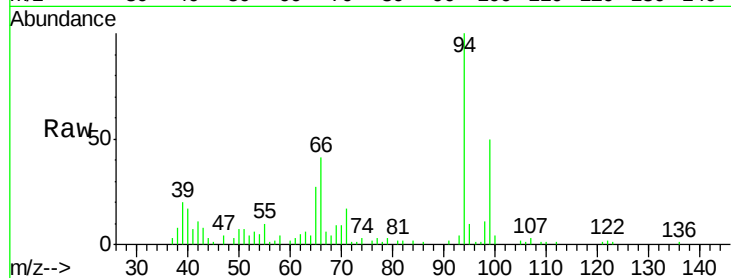
ClientSampled :

C0AM8

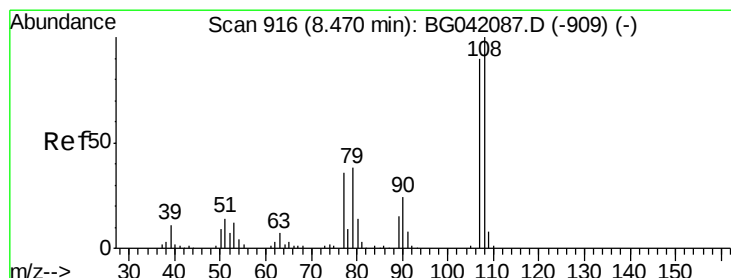
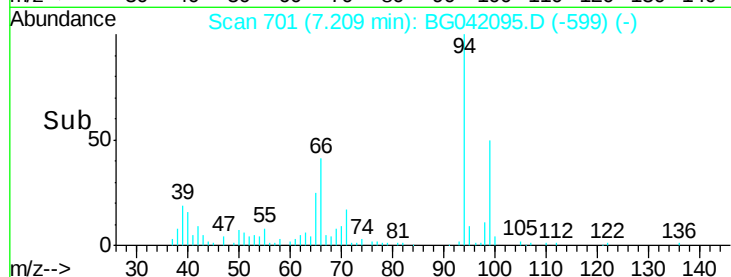
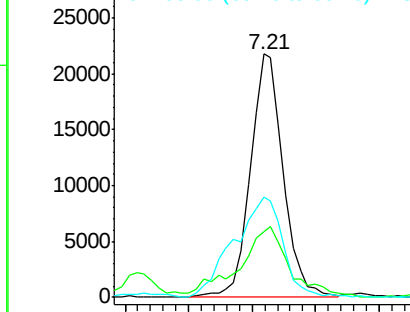
Tot Ion:	94	Resp:	39274
Ion	Ratio	Lower	Upper
94	100		
65	26.8	25.8	38.6
66	41.3	31.8	47.8

Manual Integrations
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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



#11

2-Methylphenol

Concen: 13.778 ng/ul

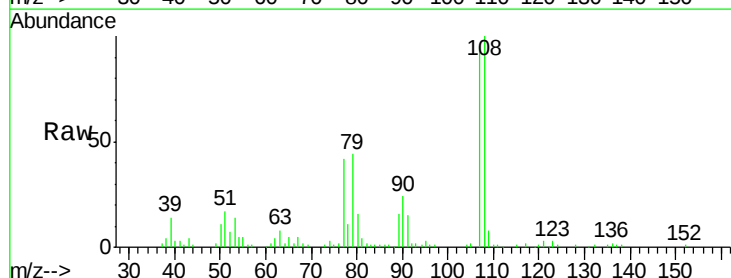
RT: 8.47 min Scan# 916

Delta R.T. 0.00 min

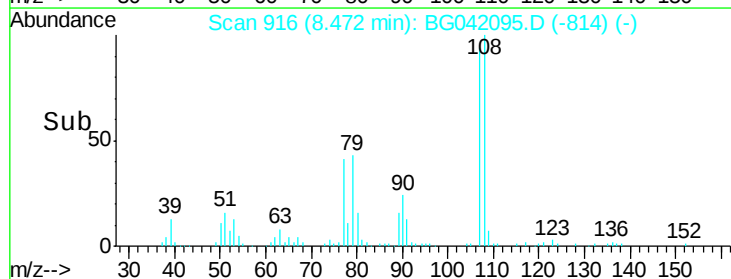
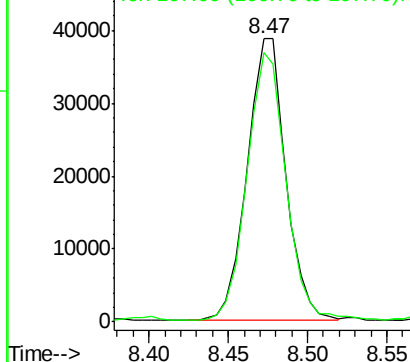
Lab File: BG042095.D

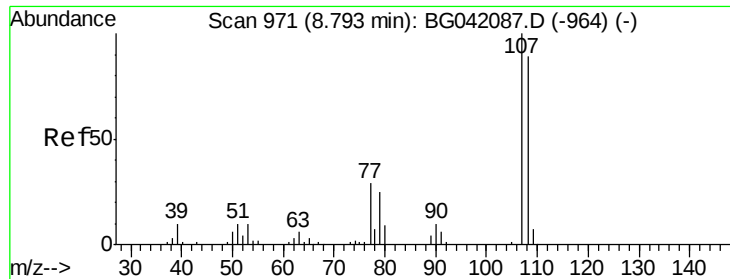
Acq: 9 Aug 2019 10:10

Tgt Ion:	108	Resp:	65544
Ion	Ratio	Lower	Upper
108	100		
107	95.2	69.9	104.9



Abundance Ion 108.00 (107.70 to 108.70): BGC
Ion 107.00 (106.70 to 107.70): BGC





#16

4-Methylphenol

Concen: 34.393 ng/ul

RT: 8.81 min Scan# 973

Delta R.T. 0.01 min

Lab File: BG042095.D

Acq: 9 Aug 2019 10:10

Instrument :

BNA_G

ClientSampled :

C0AM8

Tot Ion:108 Resp: 176755

Ion Ratio Lower Upper

108 100

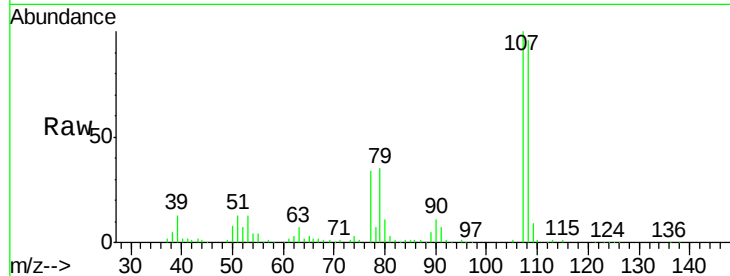
107 103.7 96.2 144.2

Manual Integrations

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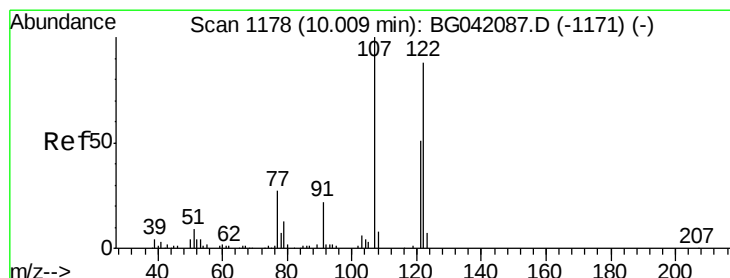
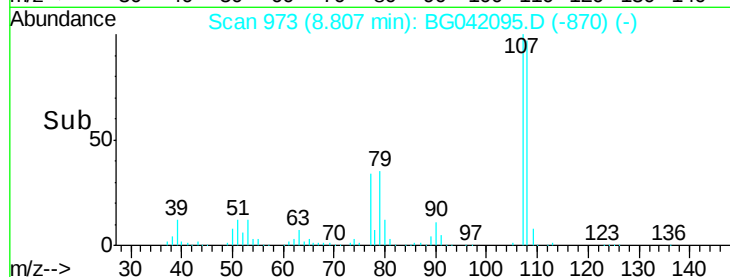
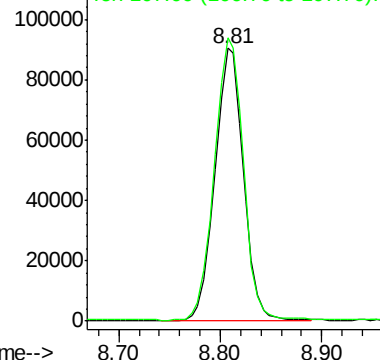
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Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#24

2,4-Dimethylphenol

Concen: 45.825 ng/ul m

RT: 10.02 min Scan# 1179

Delta R.T. 0.01 min

Lab File: BG042095.D

Acq: 9 Aug 2019 10:10

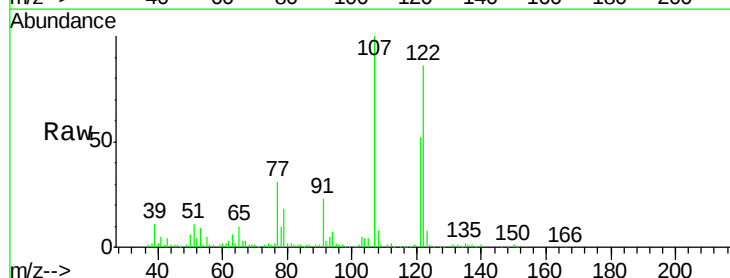
Tgt Ion:107 Resp: 239537

Ion Ratio Lower Upper

107 100

121 51.9 45.0 67.6

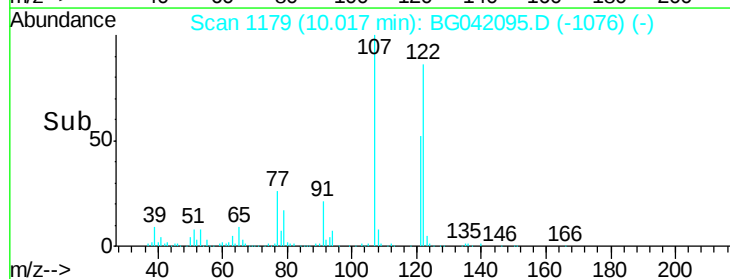
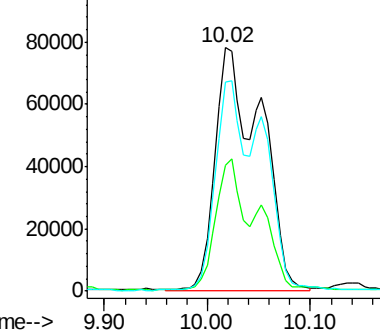
122 86.0 68.1 102.1

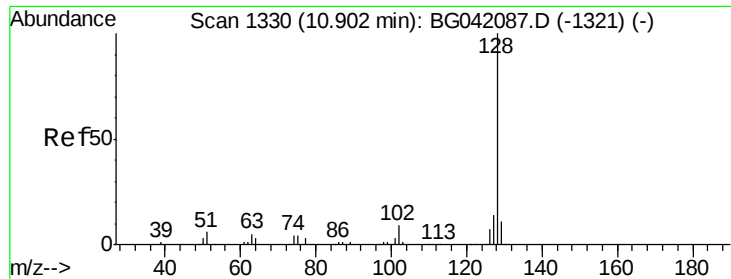


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E





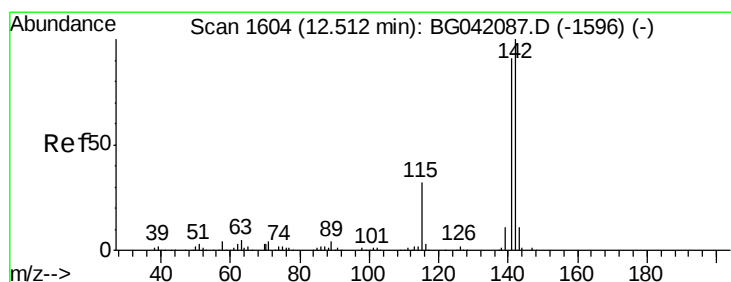
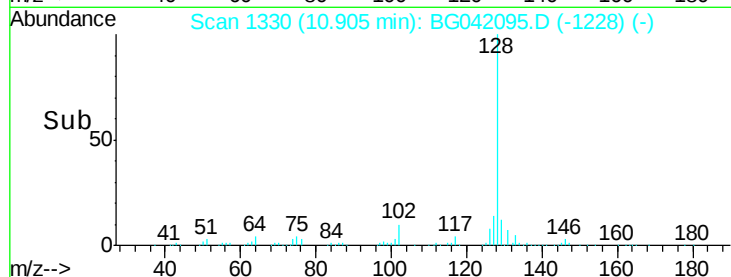
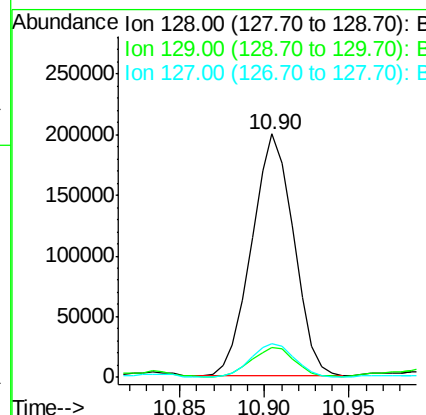
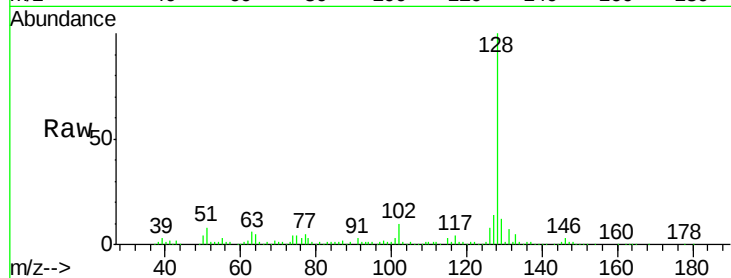
#28
Naphthalene
Concen: 23.858 ng/ul
RT: 10.90 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BG042095.D
Acq: 9 Aug 2019 10:10

Instrument :
BNA_G
ClientSampled :
C0AM8

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.4	9.5	14.3
127	13.8	11.4	17.0

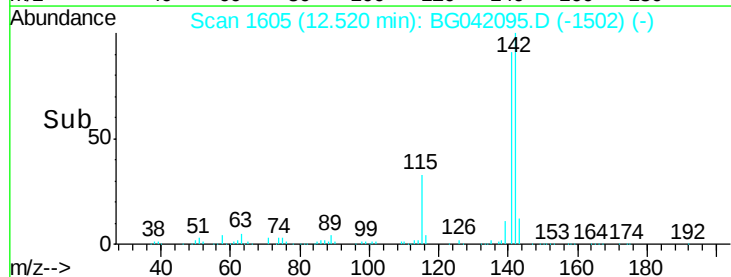
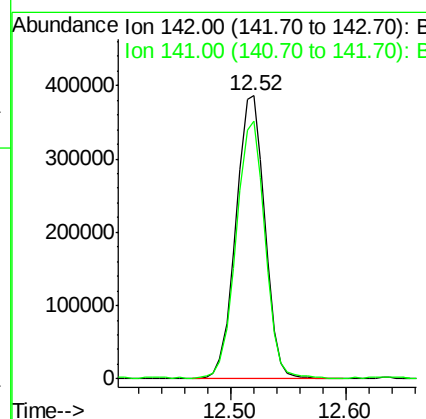
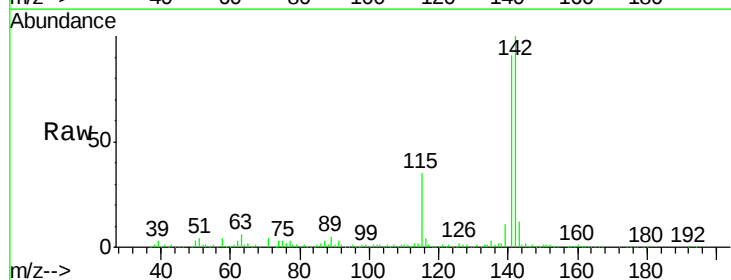
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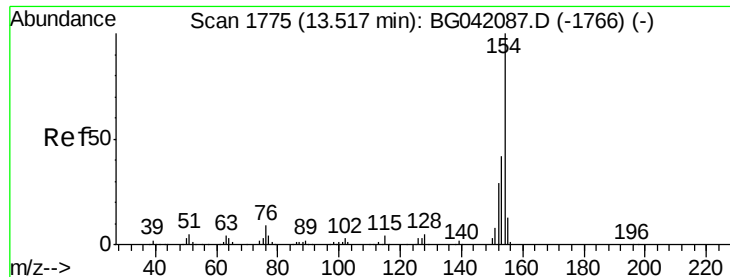
Sohil
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#34
2-Methylnaphthalene
Concen: 57.909 ng/ul
RT: 12.52 min Scan# 1605
Delta R.T. 0.01 min
Lab File: BG042095.D
Acq: 9 Aug 2019 10:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.9	109.3





#40

1,1'-Biphenyl

Concen: 8.147 ng/ul

RT: 13.52 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BG042095.D

Acq: 9 Aug 2019 10:10

Instrument :

BNA_G

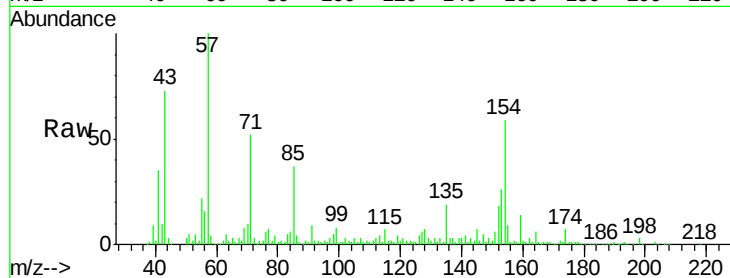
ClientSampled :

C0AM8

Tot Ion:	154	Resp:	124525
Ion Ratio	Lower	Upper	
154	100		
153	44.1	32.6	48.8
76	10.3	8.6	13.0

Manual Integrations
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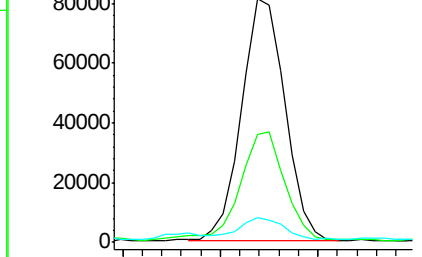
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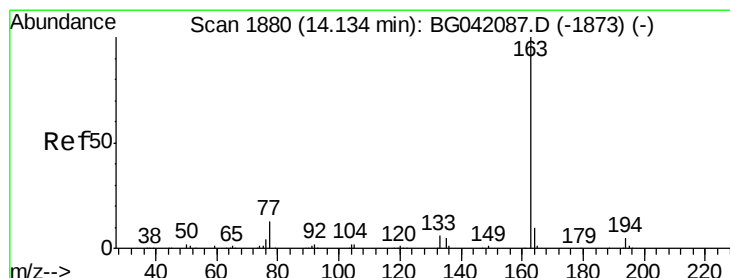
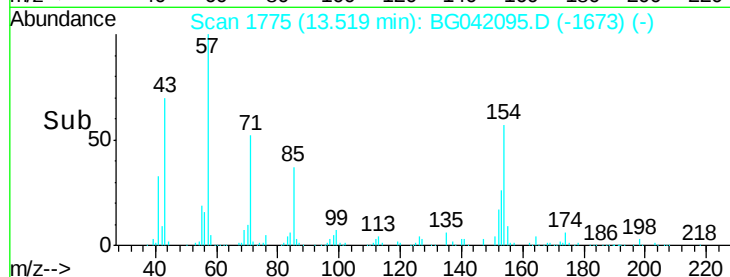
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



Time-->



#44

Dimethylphthalate

Concen: 8.017 ng/ul

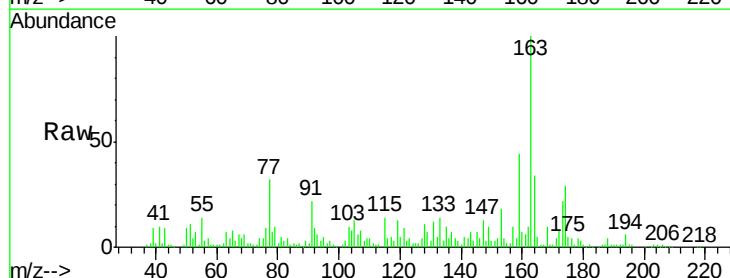
RT: 14.15 min Scan# 1882

Delta R.T. 0.01 min

Lab File: BG042095.D

Acq: 9 Aug 2019 10:10

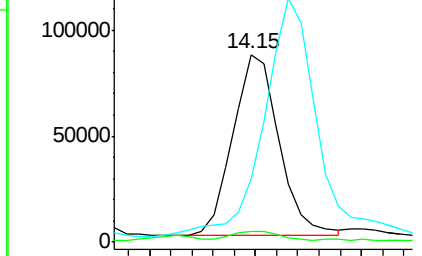
Tgt Ion:	163	Resp:	129772
Ion Ratio	Lower	Upper	
163	100		
194	6.0	4.2	6.2
164	33.6	7.8	11.8#



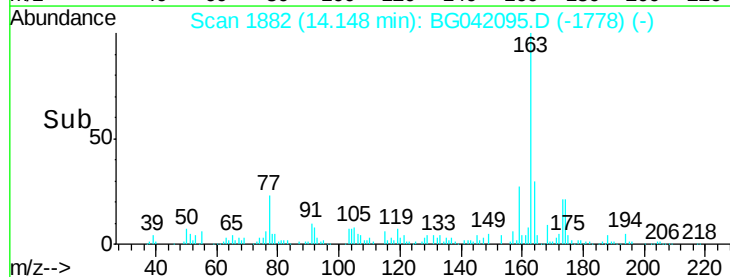
Abundance Ion 163.00 (162.70 to 163.70): E

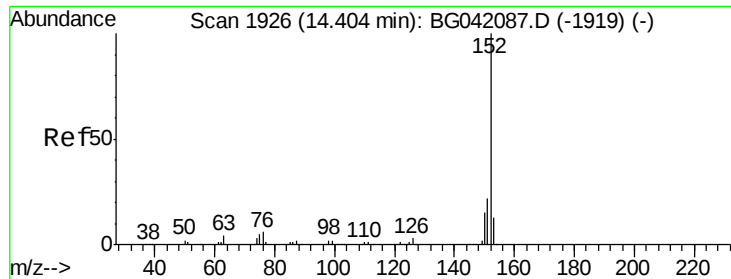
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



Time-->





#47

Acenaphthylene

Concen: 1.748 ng/ul

RT: 14.42 min Scan# 1928

Delta R.T. 0.01 min

Lab File: BG042095.D

Acq: 9 Aug 2019 10:10

Instrument :

BNA_G

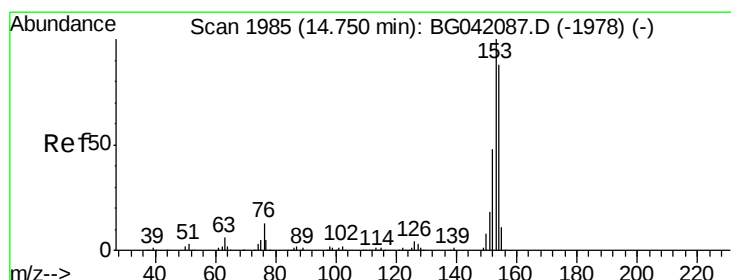
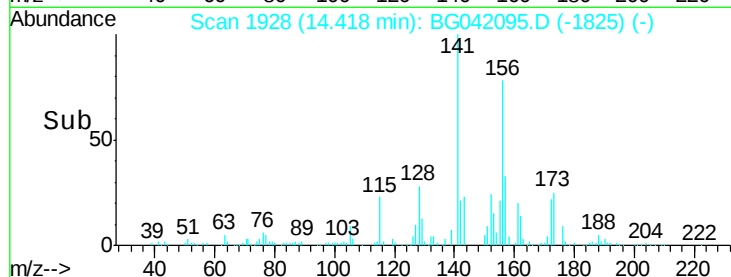
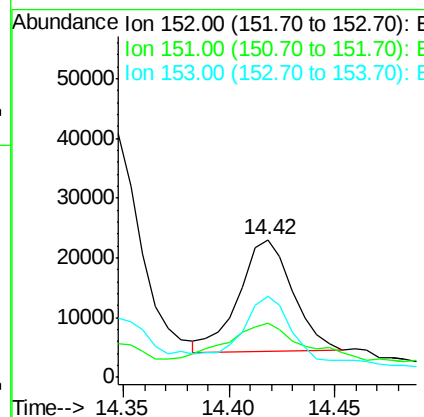
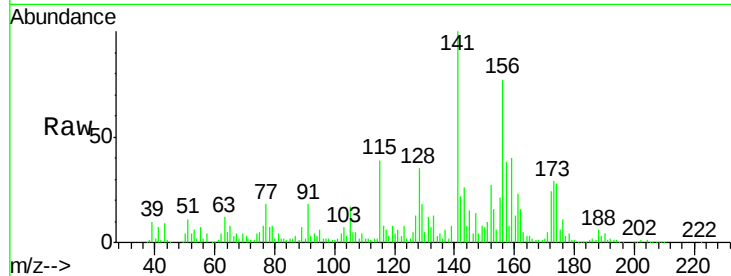
ClientSampled :

C0AM8

Tot Ion:	152	Resp:	32855
Ion Ratio	Lower	Upper	
152	100		
151	39.2	16.8	25.2#
153	59.4	10.3	15.5#

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#49

Acenaphthene

Concen: 5.947 ng/ul

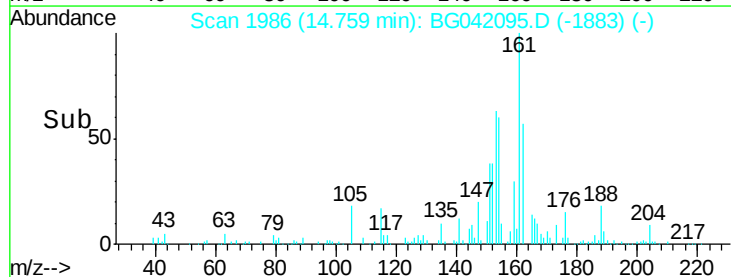
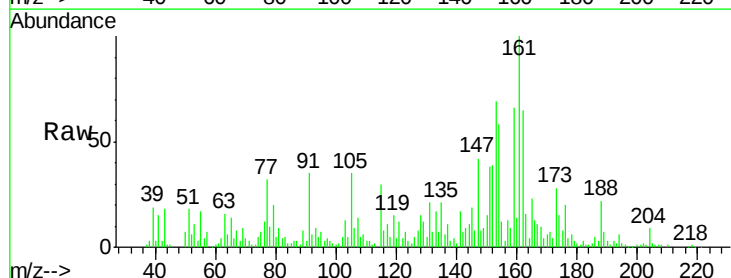
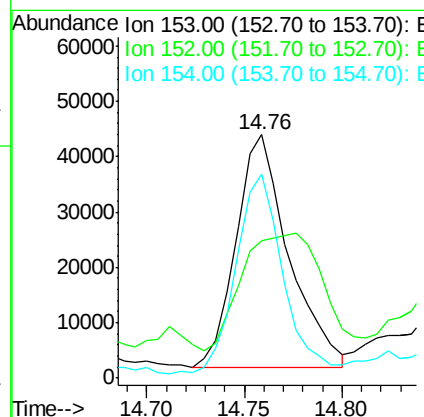
RT: 14.76 min Scan# 1986

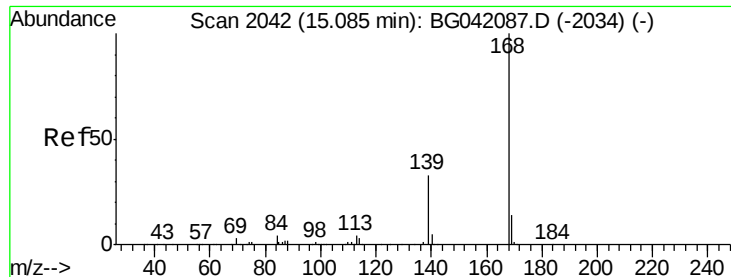
Delta R.T. 0.01 min

Lab File: BG042095.D

Acq: 9 Aug 2019 10:10

Tgt Ion:	153	Resp:	78156
Ion Ratio	Lower	Upper	
153	100		
152	56.3	37.8	56.8
154	83.9	69.4	104.2





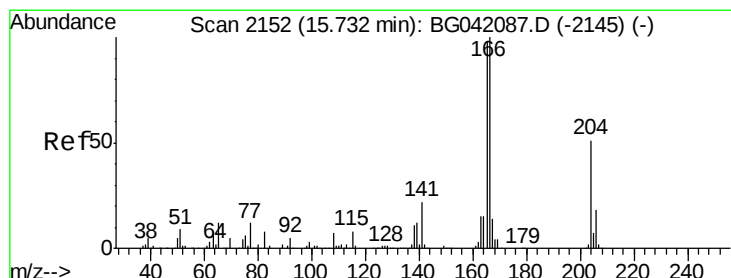
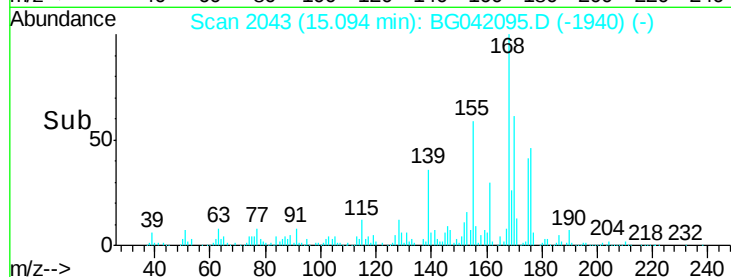
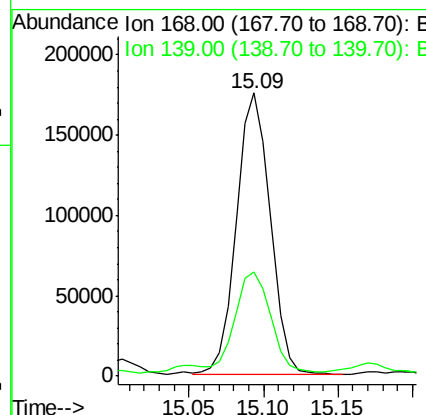
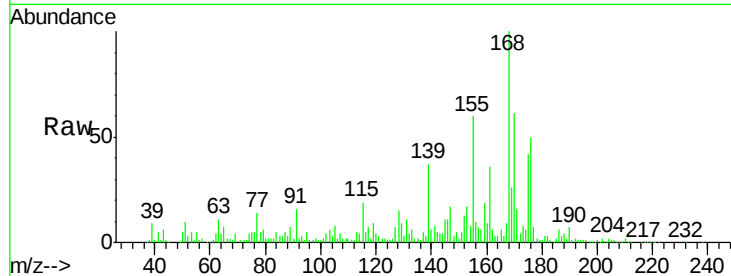
#53
Dibenzenofuran
Concen: 13.985 ng/ul
RT: 15.09 min Scan# 2043
Delta R.T. 0.01 min
Lab File: BG042095.D
Acq: 9 Aug 2019 10:10

Instrument :
BNA_G
ClientSampleId :
C0AM8

Tot Ion:168 Resp: 274307
Ion Ratio Lower Upper
168 100
139 36.9 27.3 40.9

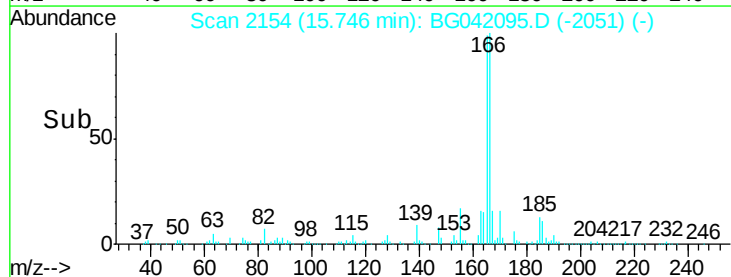
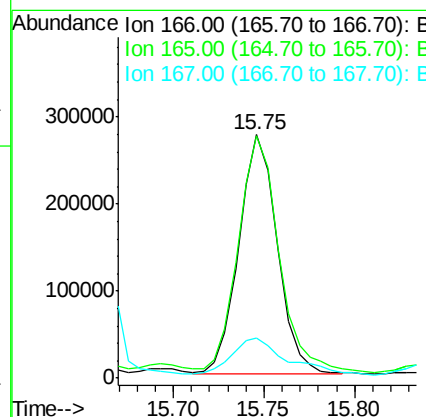
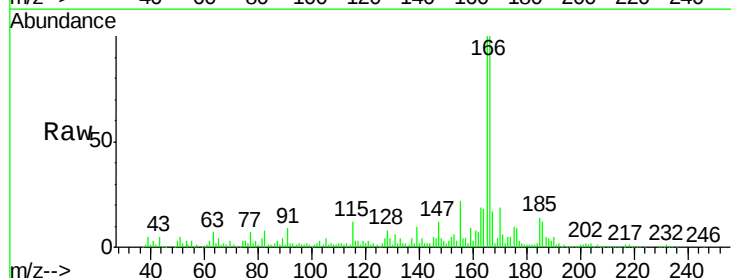
Manual Integrations
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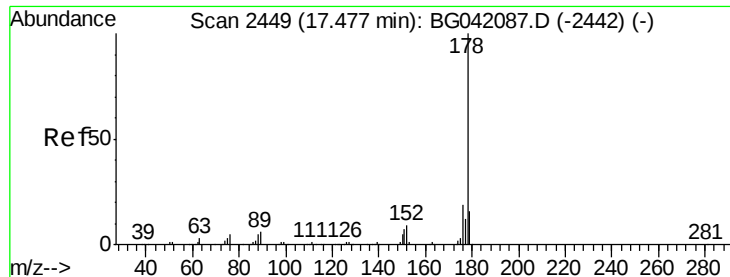
Sohil
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#58
Fluorene
Concen: 25.574 ng/ul
RT: 15.75 min Scan# 2154
Delta R.T. 0.01 min
Lab File: BG042095.D
Acq: 9 Aug 2019 10:10

Tgt Ion:166 Resp: 404038
Ion Ratio Lower Upper
166 100
165 99.6 81.1 121.7
167 16.6 11.0 16.4#





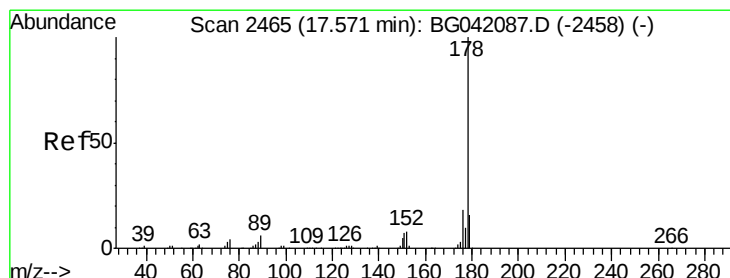
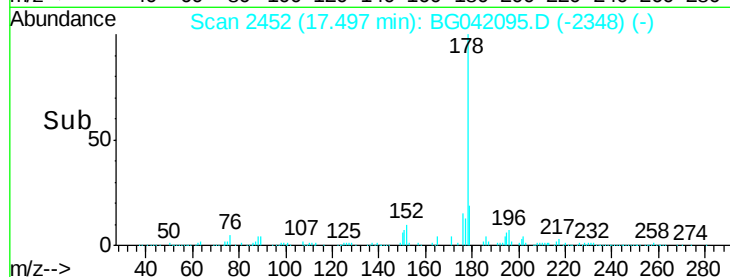
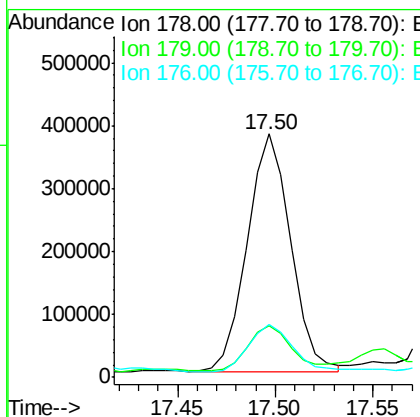
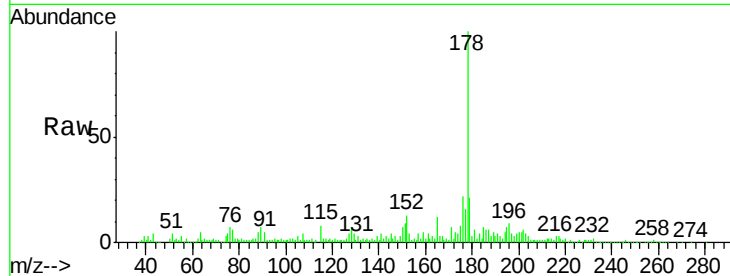
#69
Phenanthrene
Concen: 27.356 ng/ul
RT: 17.50 min Scan# 2452
Delta R.T. 0.01 min
Lab File: BG042095.D
Acq: 9 Aug 2019 10:10

Instrument :
BNA_G
ClientSampled :
C0AM8

Tot Ion	Ratio	Lower	Upper
178	100		
179	21.2	12.8	19.2#
176	21.6	15.4	23.2

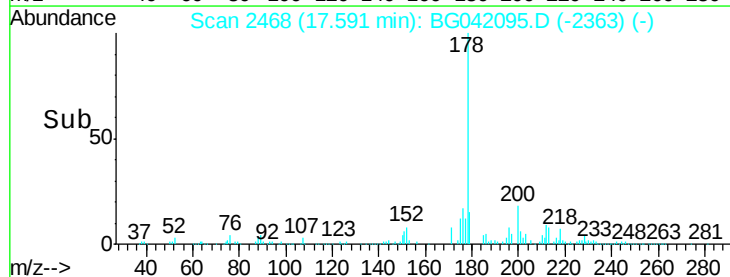
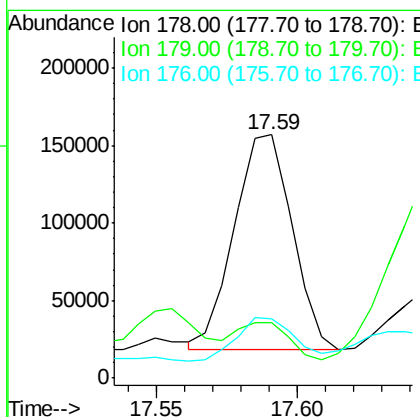
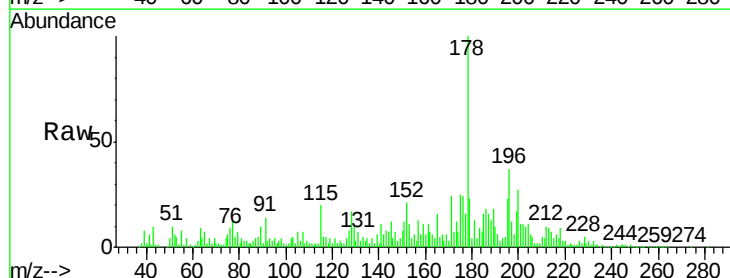
Manual Integrations
APPROVED

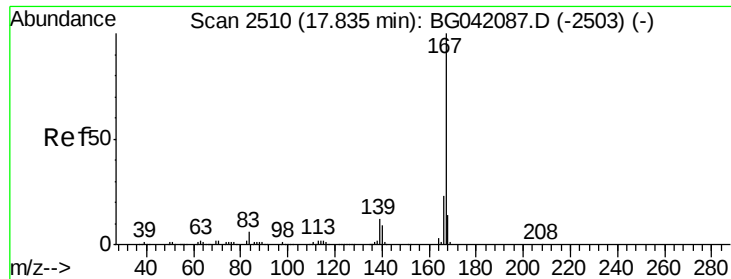
Sohil
8/13/2019 8:16:32 AM



#71
Anthracene
Concen: 9.225 ng/ul
RT: 17.59 min Scan# 2468
Delta R.T. 0.02 min
Lab File: BG042095.D
Acq: 9 Aug 2019 10:10

Tgt Ion	Ratio	Lower	Upper
178	100		
179	22.7	13.4	20.0#
176	24.4	15.4	23.2#





#74

Carbazole

Concen: 3.440 ng/ul

RT: 17.87 min Scan# 2515

Delta R.T. 0.03 min

Lab File: BG042095.D

Acq: 9 Aug 2019 10:10

Instrument :

BNA_G

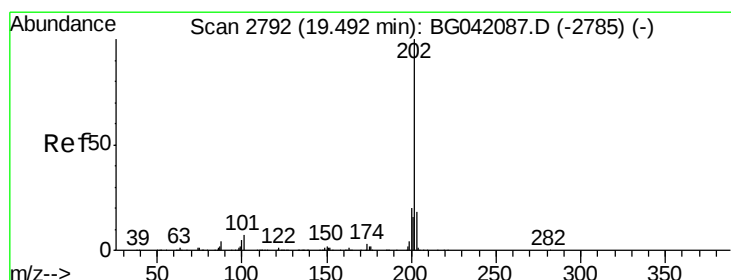
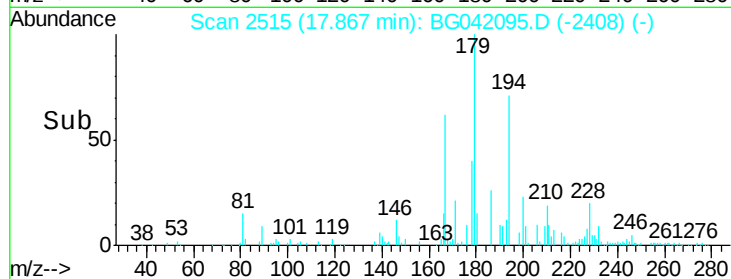
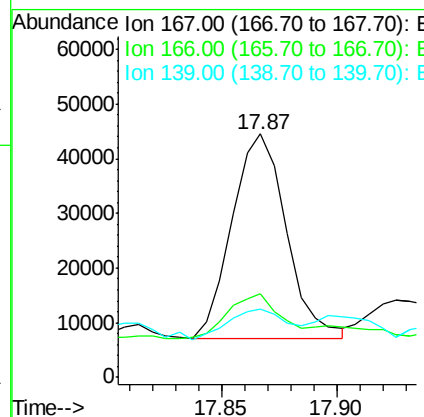
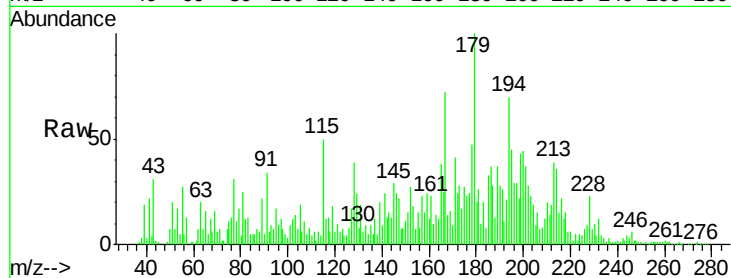
ClientSampleId :

C0AM8

Tot Ion:	167	Resp:	61110
Ion Ratio	Lower	Upper	
167	100		
166	34.1	18.2	27.4#
139	27.8	9.6	14.4#

Manual Integrations
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#76

Fluoranthene

Concen: 11.855 ng/ul

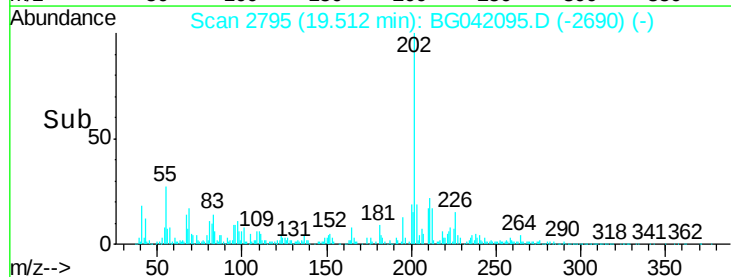
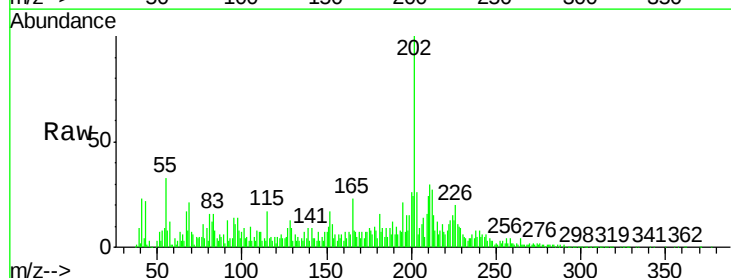
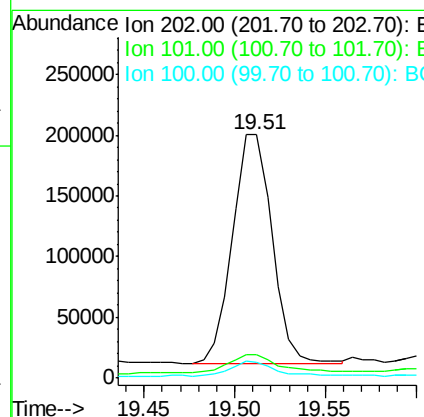
RT: 19.51 min Scan# 2795

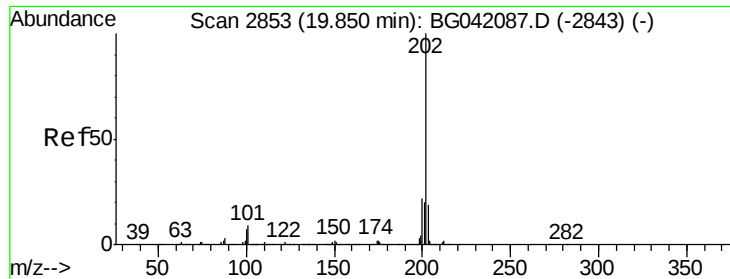
Delta R.T. 0.02 min

Lab File: BG042095.D

Acq: 9 Aug 2019 10:10

Tgt Ion:	202	Resp:	289596
Ion Ratio	Lower	Upper	
202	100		
101	9.5	6.7	10.1
100	6.5	5.3	7.9





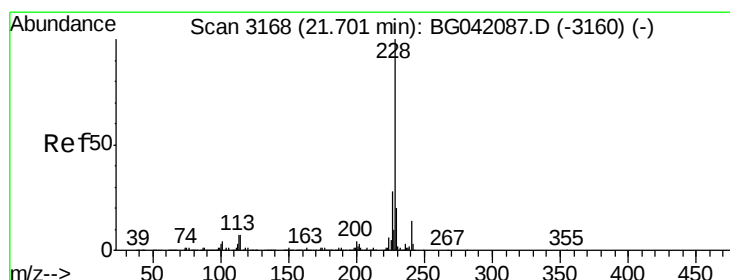
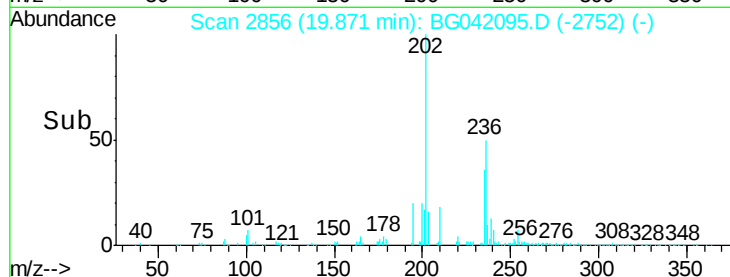
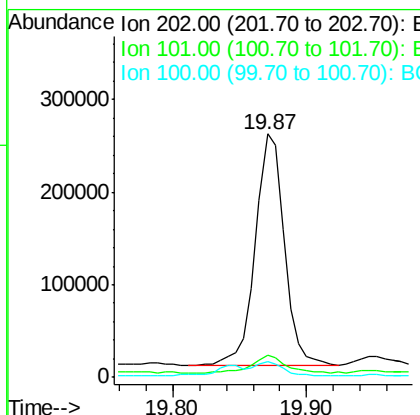
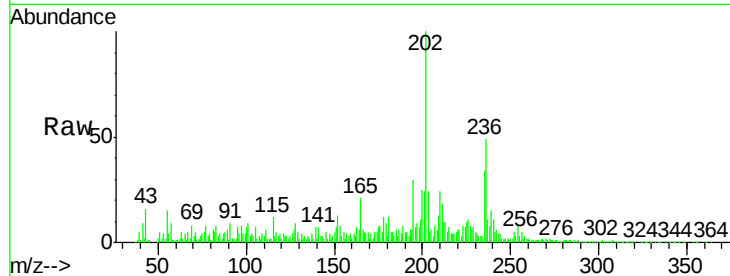
#79
Pvrene
Concen: 13.493 ng/ul
RT: 19.87 min Scan# 2856
Delta R.T. 0.01 min
Lab File: BG042095.D
Acq: 9 Aug 2019 10:10

Instrument :
BNA_G
ClientSampleId :
C0AM8

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.9	7.6	11.4
100	6.6	6.5	9.7

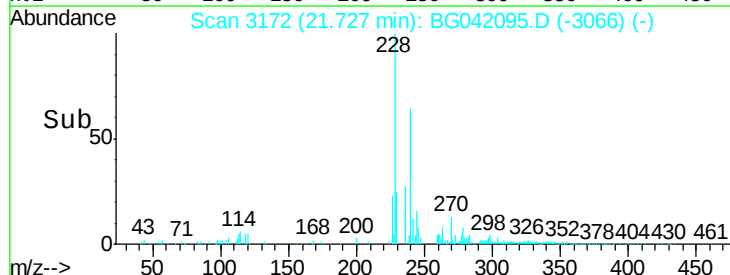
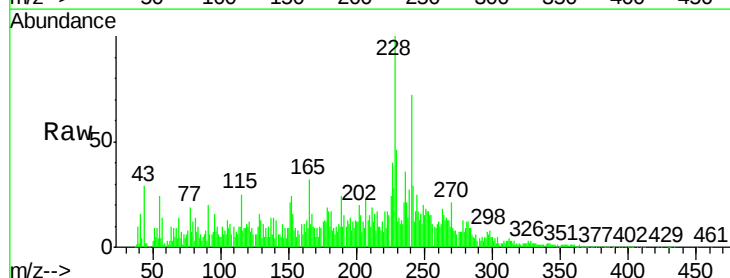
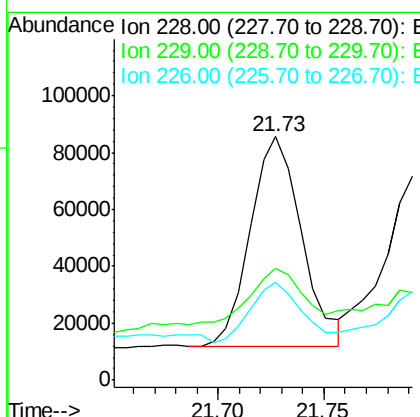
Manual Integrations
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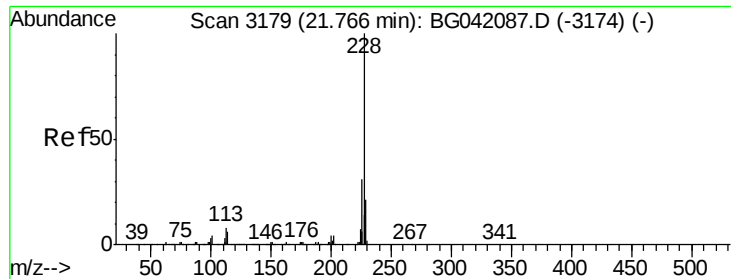
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#82
Benzo(a)anthracene
Concen: 4.301 ng/ul
RT: 21.73 min Scan# 3172
Delta R.T. 0.03 min
Lab File: BG042095.D
Acq: 9 Aug 2019 10:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	46.0	17.0	25.6#
226	40.3	23.3	34.9#





#84

Chrysene

Concen: 3.905 ng/ul

RT: 21.79 min Scan# 3183

Delta R.T. 0.03 min

Lab File: BG042095.D

Acq: 9 Aug 2019 10:10

Instrument :

BNA_G

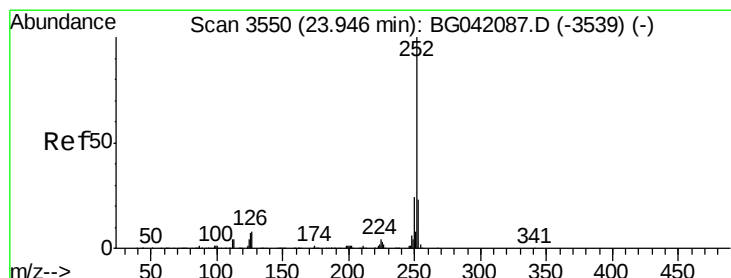
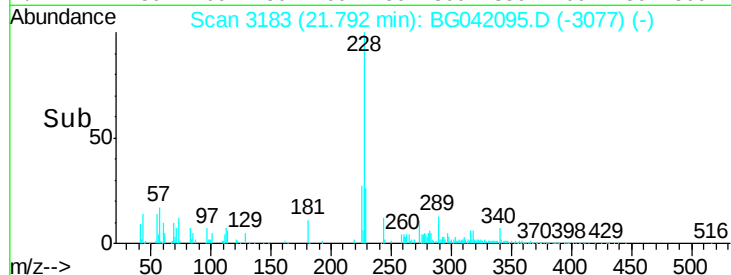
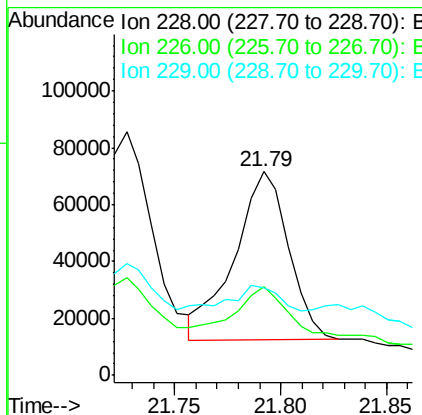
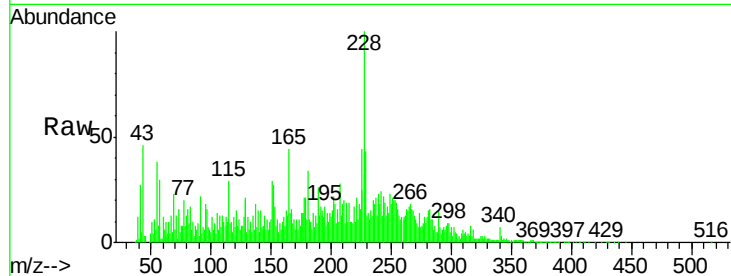
ClientSampled :

C0AM8

Tot Ion:	228	Resp:	104815
Ion Ratio	Lower	Upper	
228	100		
226	43.6	25.7	38.5#
229	43.0	16.6	24.8#

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#87

Benzo(b)fluoranthene

Concen: 2.797 ng/ul

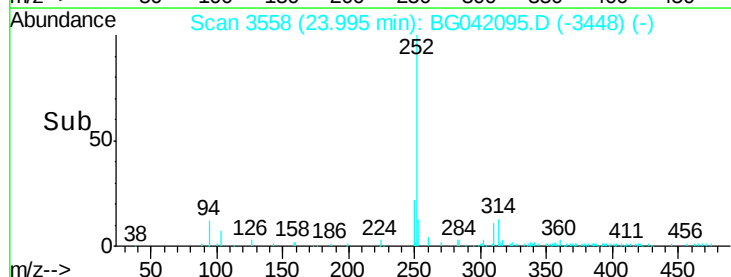
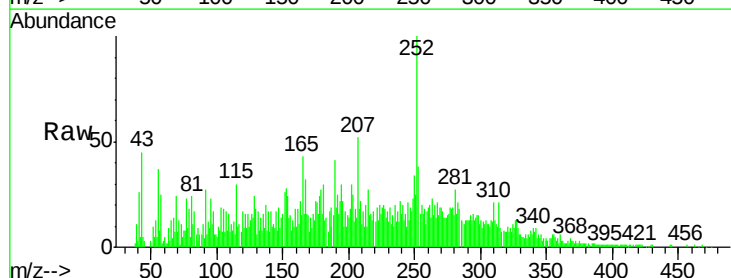
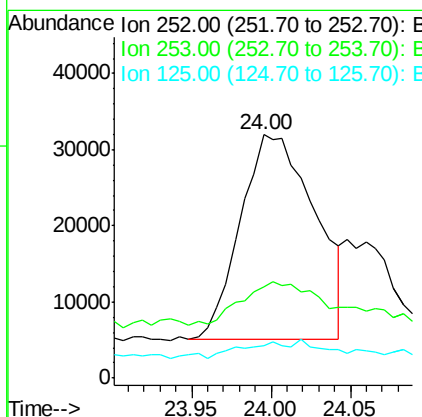
RT: 24.00 min Scan# 3558

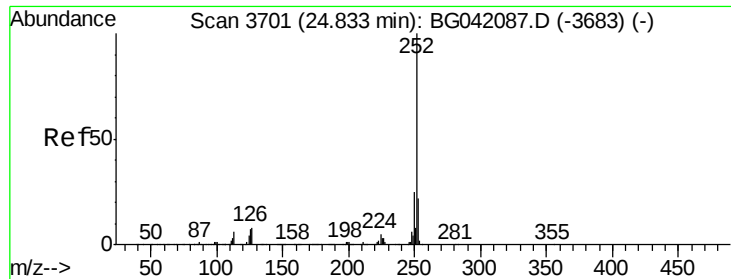
Delta R.T. 0.05 min

Lab File: BG042095.D

Acq: 9 Aug 2019 10:10

Tgt Ion:	252	Resp:	87640
Ion Ratio	Lower	Upper	
252	100		
253	37.6	18.4	27.6#
125	13.4	5.8	8.8#





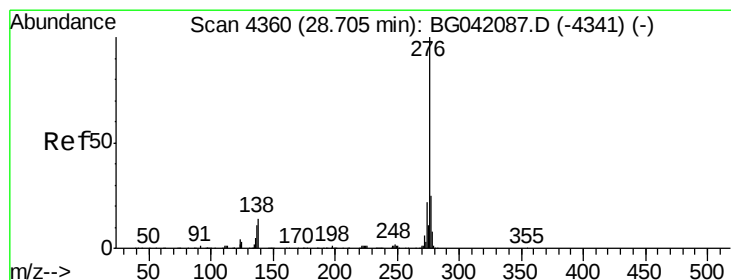
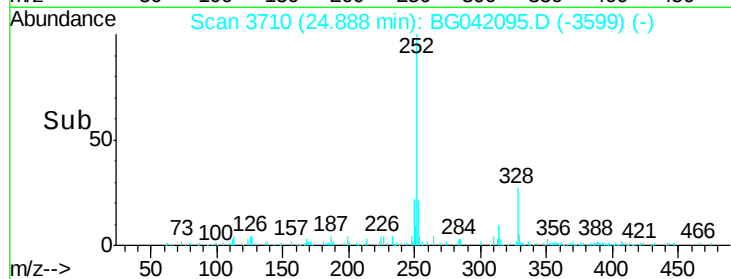
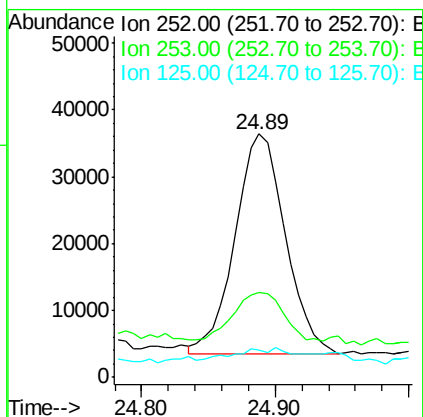
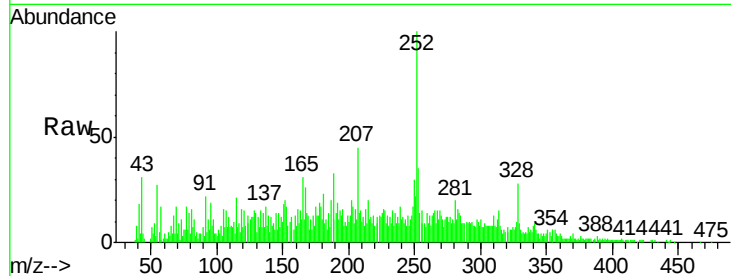
#90
Benzo(a)pyrene
Concen: 2.875 ng/ul
RT: 24.89 min Scan# 3710
Delta R.T. 0.06 min
Lab File: BG042095.D
Acq: 9 Aug 2019 10:10

Instrument :
BNA_G
ClientSampleId :
C0AM8

Tot Ion	Ratio	Lower	Upper
252	100		
253	35.1	18.3	27.5#
125	11.4	6.5	9.7#

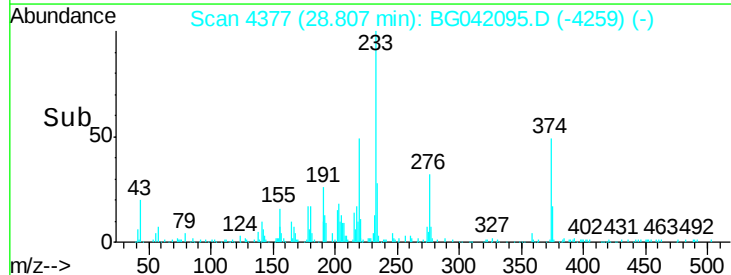
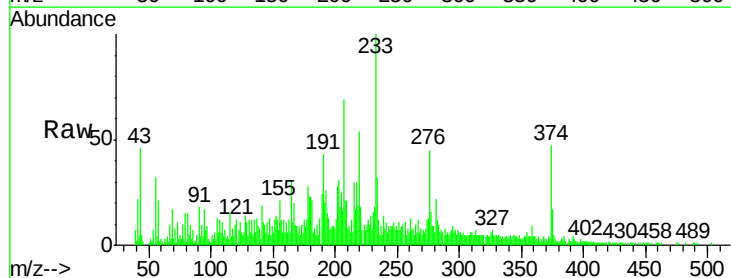
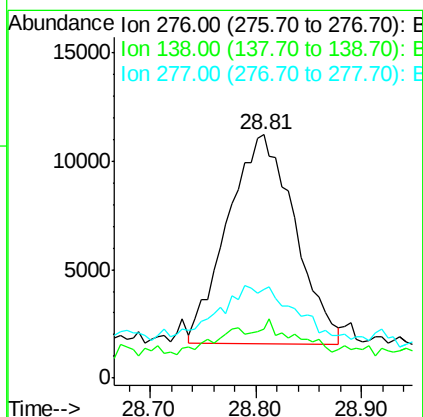
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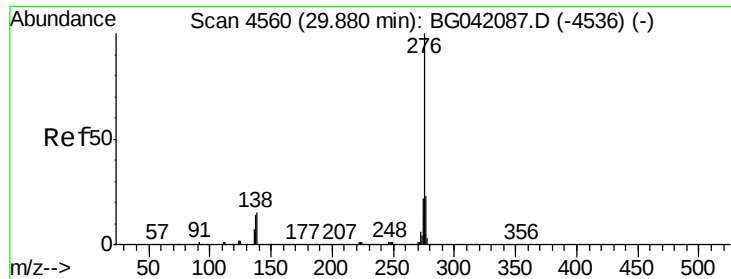
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#91
Indeno(1,2,3-cd)pyrene
Concen: 1.219 ng/ul
RT: 28.81 min Scan# 4377
Delta R.T. 0.10 min
Lab File: BG042095.D
Acq: 9 Aug 2019 10:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.9	12.0	18.0#
277	36.5	19.2	28.8#





#93

Benzo(a,h,i)perylene

Concen: 1.173 ng/ul

RT: 29.98 min Scan# 4576

Delta R.T. 0.09 min

Lab File: BG042095.D

Acq: 9 Aug 2019 10:10

Instrument :

BNA_G

ClientSampleId :

C0AM8

Tot Ion:	276	Resp:	34096
Ion Ratio	Lower	Upper	
276	100		
138	21.5	12.6	18.8#
277	36.2	19.2	28.8#

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