

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
 Data File : BG042091.D
 Acq On : 9 Aug 2019 7:36
 Operator : HP/JU
 Sample : K4147-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AM5

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:16:46 AM

Quant Time: Aug 10 21:35:19 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	73878	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	296970	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	220109	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	424705	20.00	ng/ul	0.00
77) Chrysene-d12	21.74	240	450342	20.00	ng/ul	0.01
85) Perylene-d12	25.02	264	536869	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	8091	4.79	ng/uL	0.00
5) Phenol-d5	7.18	99	173354	29.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	89518	27.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	157745	31.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	150736	30.97	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	83517m	37.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	95952	36.97	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	187045	35.70	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	215762	37.11	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	522532	30.61	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	634187	32.52	ng/ul	0.00
51) 4-Nitrophenol-d4	14.92	143	78093	27.24	ng/ul	0.04
57) Fluorene-d10	15.68	176	528018	34.77	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.82	200	81824	30.03	ng/ul	0.02
70) Anthracene-d10	17.55	188	738421	36.24	ng/ul	0.01
78) Pyrene-d10	19.84	212	776677	30.91	ng/ul	0.01
89) Benzo(a)pyrene-d12	24.80	264	964733	34.40	ng/ul	0.03

Target Compounds

				Ovalue	
6) Phenol	7.21	94	10153	1.697 ng/ul#	89
11) 2-Methylphenol	8.46	108	8297	1.729 ng/ul	85
16) 4-Methylphenol	8.80	108	14575	2.812 ng/ul	89
24) 2,4-Dimethylphenol	10.02	107	56622m	10.349 ng/ul	
28) Naphthalene	10.90	128	320204	21.091 ng/ul	99
34) 2-Methylnaphthalene	12.52	142	587654	48.699 ng/ul	100
40) 1,1'-Biphenyl	13.52	154	109644	6.851 ng/ul	97
44) Dimethylphthalate	14.14	163	90945	5.366 ng/ul#	76
47) Acenaphthylene	14.42	152	31487	1.600 ng/ul#	52
49) Acenaphthene	14.76	153	59178	4.300 ng/ul	92
53) Dibenzofuran	15.09	168	207171	10.087 ng/ul	92
58) Fluorene	15.74	166	293658	17.751 ng/ul#	97
69) Phenanthrene	17.49	178	399179	17.169 ng/ul#	94
71) Anthracene	17.58	178	157230	6.667 ng/ul#	88
74) Carbazole	17.85	167	33078	1.693 ng/ul#	60
76) Fluoranthene	19.50	202	130555m	4.860 ng/ul	
79) Pyrene	19.86	202	202507	6.685 ng/ul	98
82) Benzo(a)anthracene	21.71	228	68274	2.187 ng/ul#	61
84) Chrysene	21.78	228	59939	2.057 ng/ul#	63
90) Benzo(a)pyrene	24.86	252	34635	1.079 ng/ul#	69

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

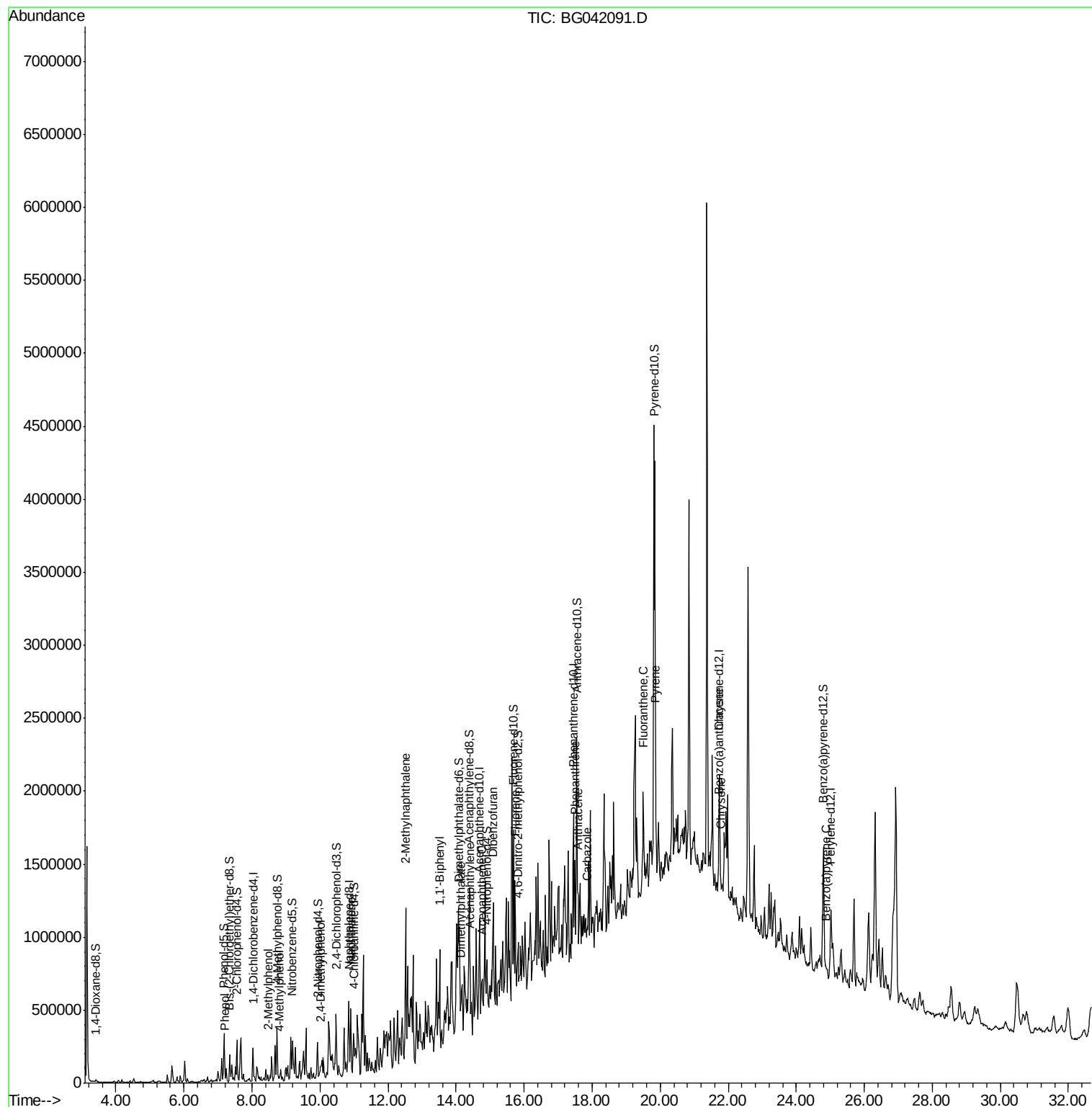
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042091.D
Acq On : 9 Aug 2019 7:36
Operator : HP/JU
Sample : K4147-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

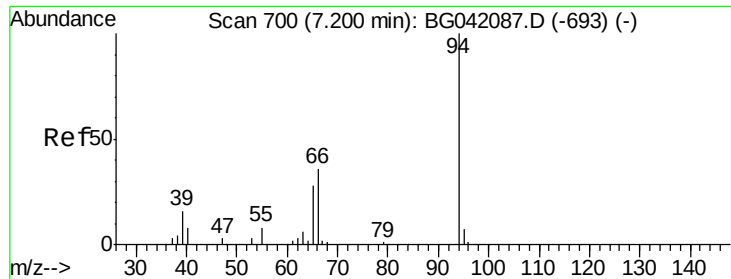
Instrument :
BNA_G
ClientSampled :
C0AM5

Manual Integrations
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 09 16:22:05 2019
Response via : Initial Calibration





#6

Phenol

Concen: 1.697 ng/ul

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

Instrument :

BNA_G

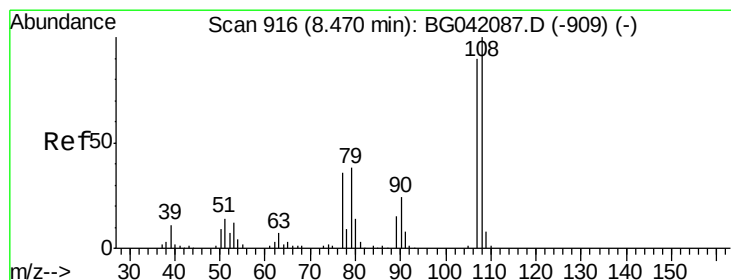
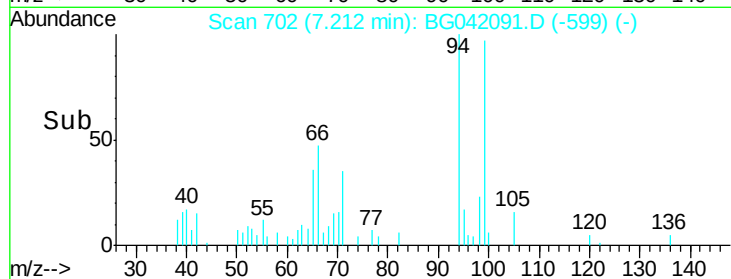
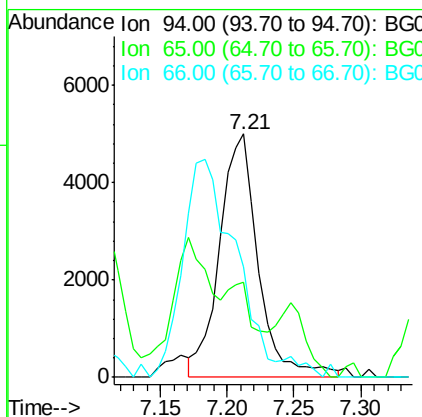
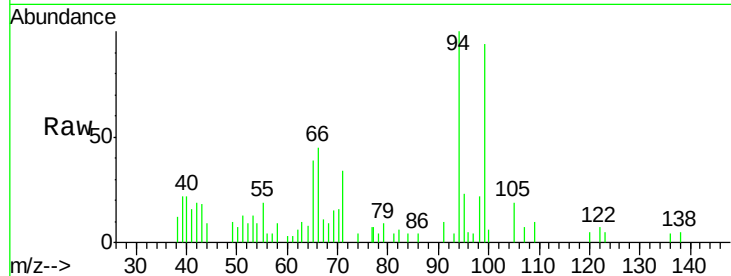
ClientSampled :

C0AM5

Tot Ion:	94	Resp:	10153
Ion Ratio	Lower	Upper	
94	100		
65	39.0	25.8	38.6#
66	45.4	31.8	47.8

Manual Integrations
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#11

2-Methylphenol

Concen: 1.729 ng/ul

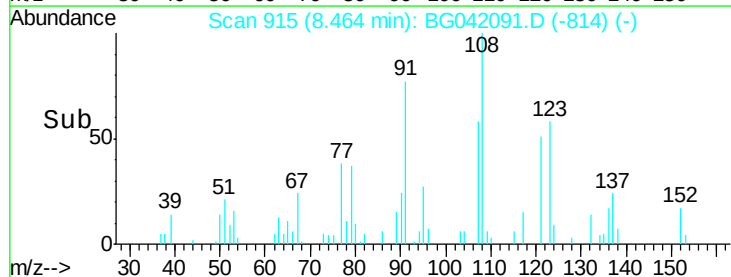
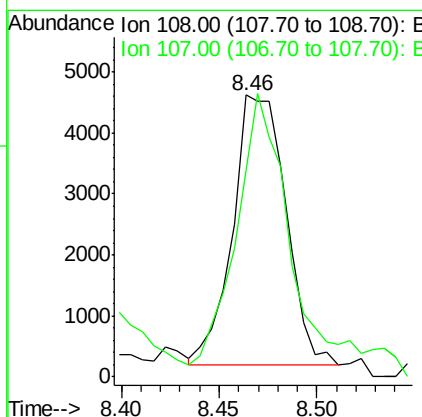
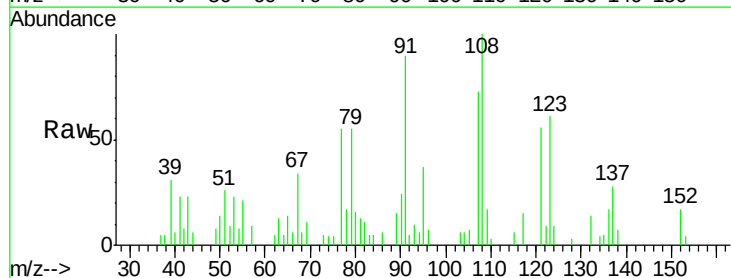
RT: 8.46 min Scan# 915

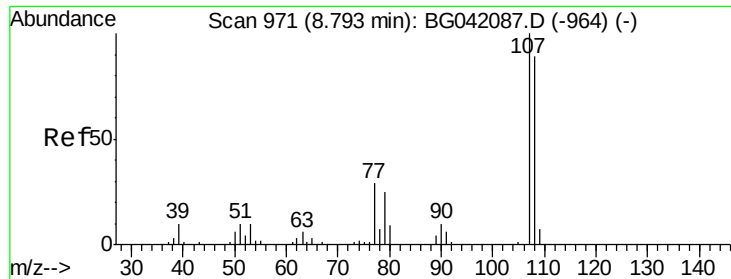
Delta R.T. -0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

Tgt Ion:	108	Resp:	8297
Ion Ratio	Lower	Upper	
108	100		
107	73.4	69.9	104.9





#16

4-Methylphenol

Concen: 2.812 ng/ul

RT: 8.80 min Scan# 973

Delta R.T. 0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

Instrument :

BNA_G

ClientSampled :

C0AM5

Tot Ion:108 Resp: 14575

Ion Ratio Lower Upper

108 100

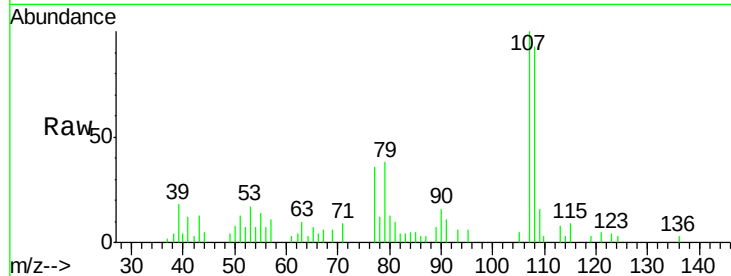
107 107.6 96.2 144.2

Manual Integrations

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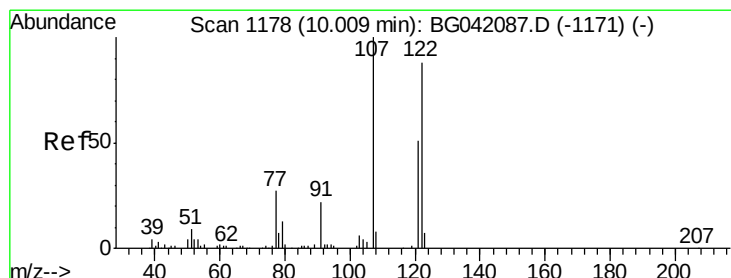
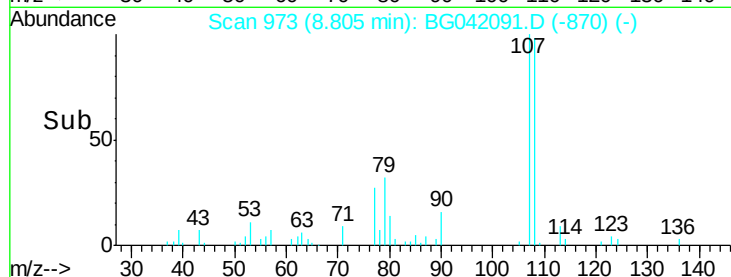
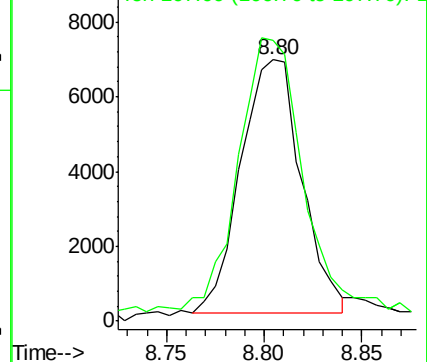
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Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#24

2,4-Dimethylphenol

Concen: 10.349 ng/ul m

RT: 10.02 min Scan# 1180

Delta R.T. 0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

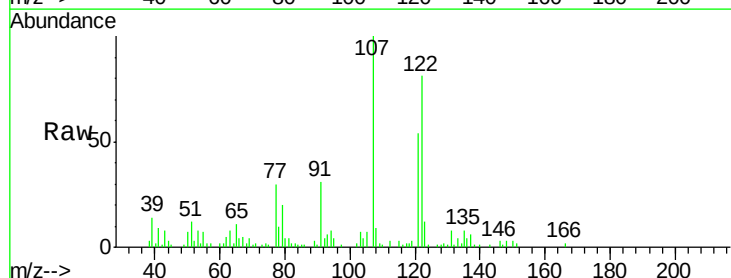
Tgt Ion:107 Resp: 56622

Ion Ratio Lower Upper

107 100

121 53.6 45.0 67.6

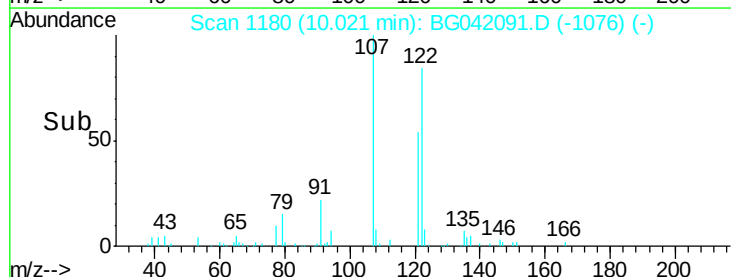
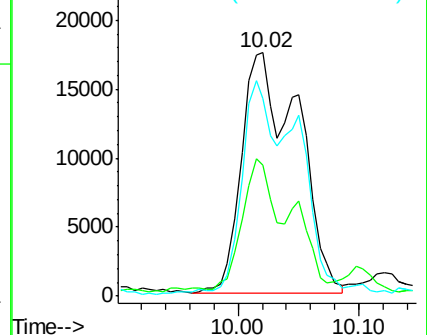
122 81.2 68.1 102.1

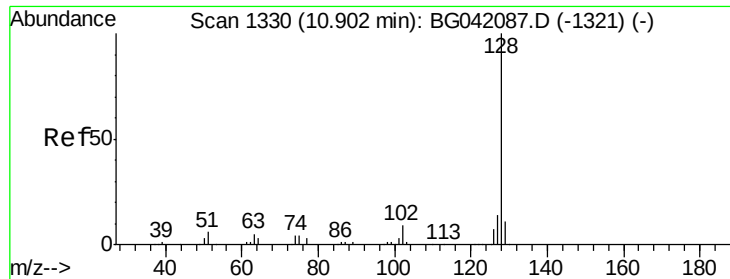


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E





#28

Naphthalene

Concen: 21.091 ng/ul

RT: 10.90 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

Instrument :

BNA_G

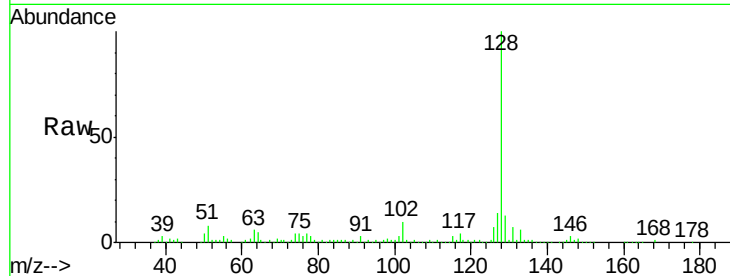
ClientSampleId :

C0AM5

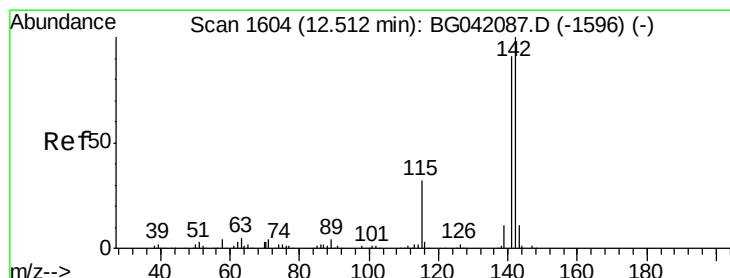
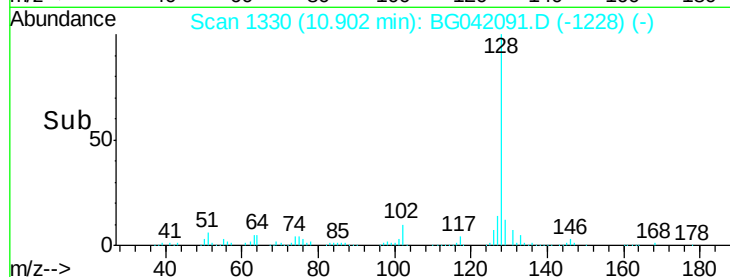
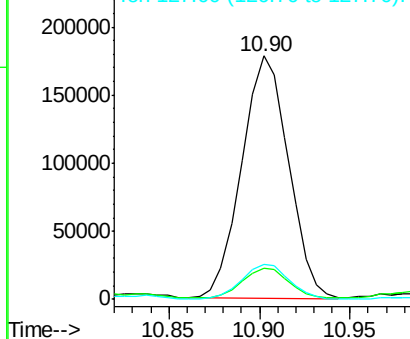
Tot Ion:	128	Resp:	320204
Ion Ratio		Lower	Upper
128	100		
129	13.0	9.5	14.3
127	14.3	11.4	17.0

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 48.699 ng/ul

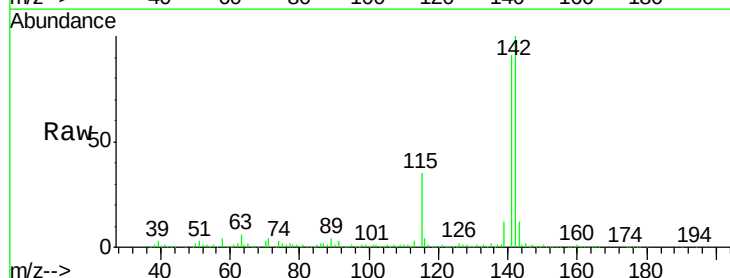
RT: 12.52 min Scan# 1605

Delta R.T. 0.01 min

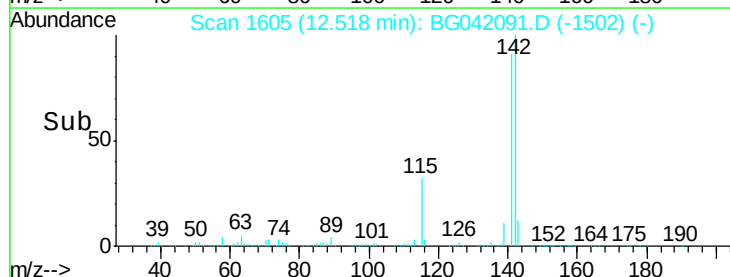
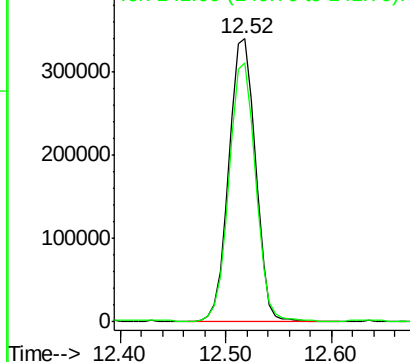
Lab File: BG042091.D

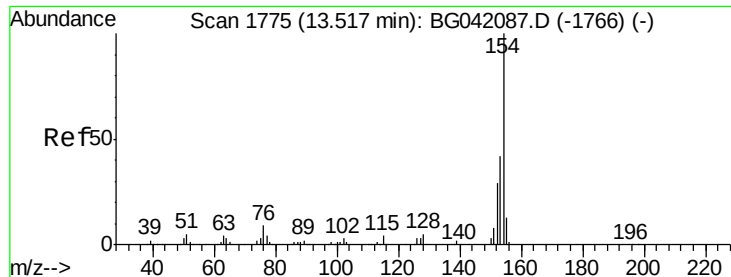
Acq: 9 Aug 2019 7:36

Tgt Ion:	142	Resp:	587654
Ion Ratio		Lower	Upper
142	100		
141	91.5	72.9	109.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 6.851 ng/ul

RT: 13.52 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

Instrument :

BNA_G

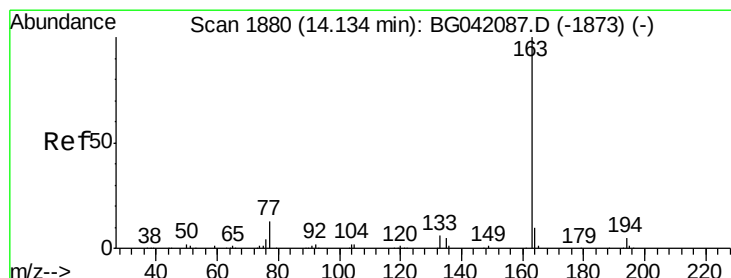
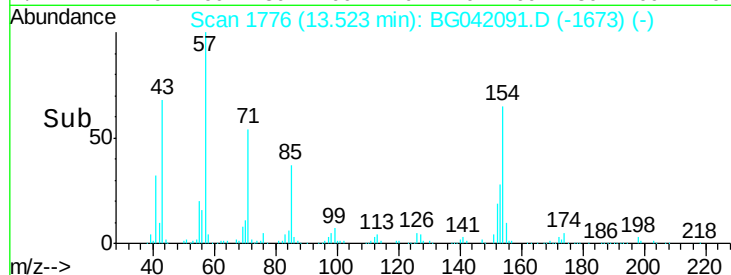
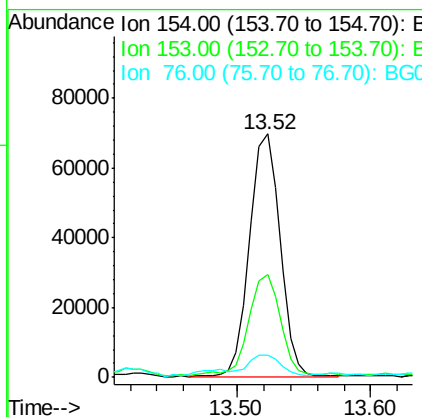
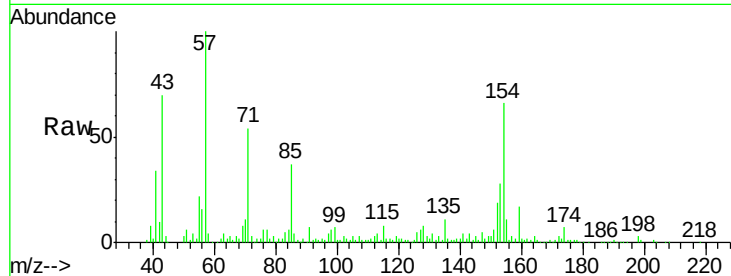
ClientSampled :

C0AM5

Tot Ion:	154	Resp:	109644
Ion Ratio	Lower	Upper	
154	100		
153	42.1	32.6	48.8
76	8.9	8.6	13.0

Manual Integrations
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#44

Dimethylphthalate

Concen: 5.366 ng/ul

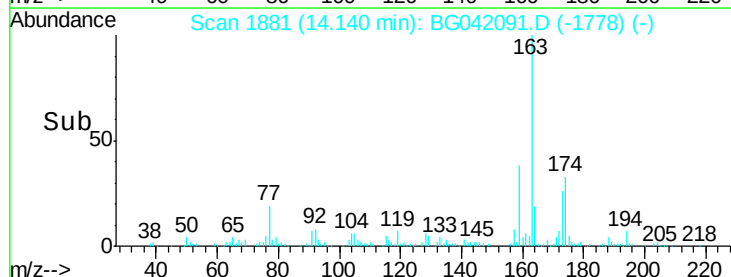
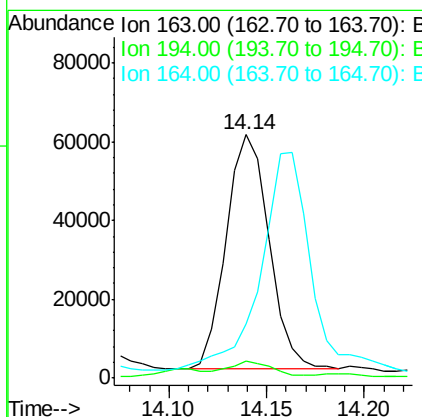
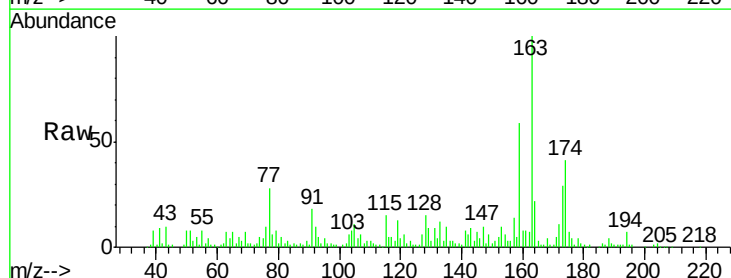
RT: 14.14 min Scan# 1881

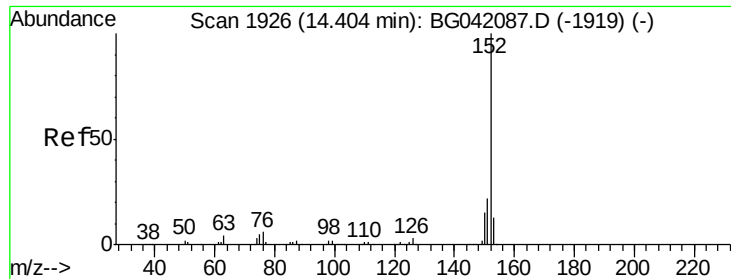
Delta R.T. 0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

Tgt Ion:	163	Resp:	90945
Ion Ratio	Lower	Upper	
163	100		
194	7.1	4.2	6.2#
164	22.2	7.8	11.8#





#47

Acenaphthylene

Concen: 1.600 ng/ul

RT: 14.42 min Scan# 1928

Delta R.T. 0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

Instrument :

BNA_G

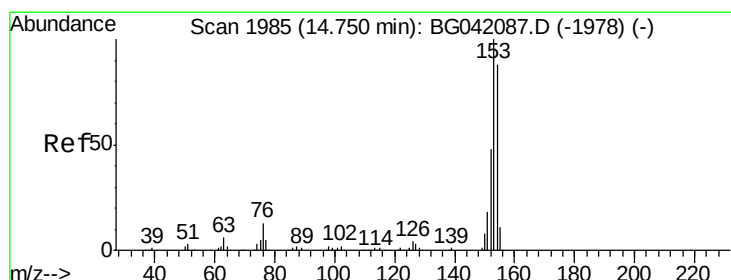
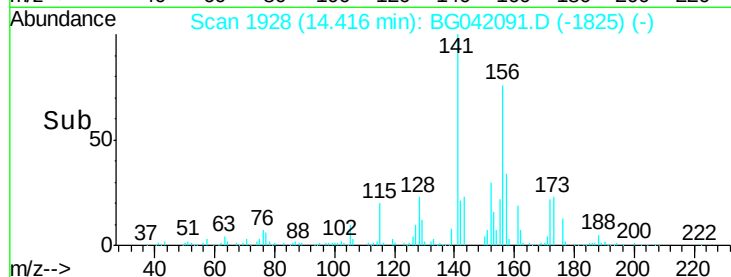
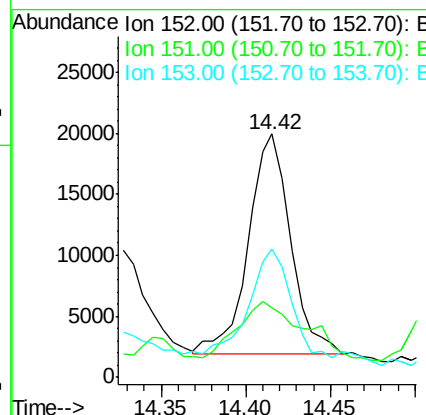
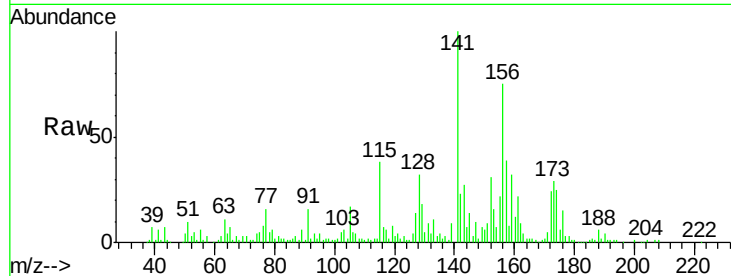
ClientSampled :

C0AM5

Tot Ion:	152	Resp:	31487
Ion Ratio	Lower	Upper	
152	100		
151	28.4	16.8	25.2#
153	52.7	10.3	15.5#

Manual Integrations
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#49

Acenaphthene

Concen: 4.300 ng/ul

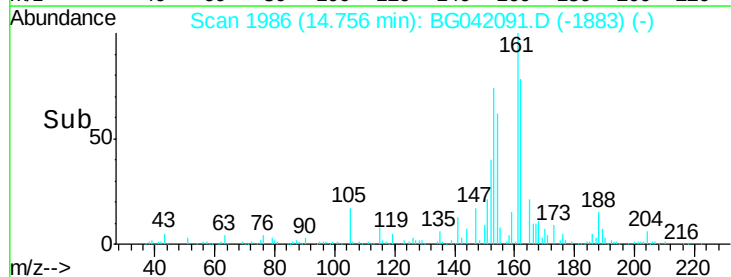
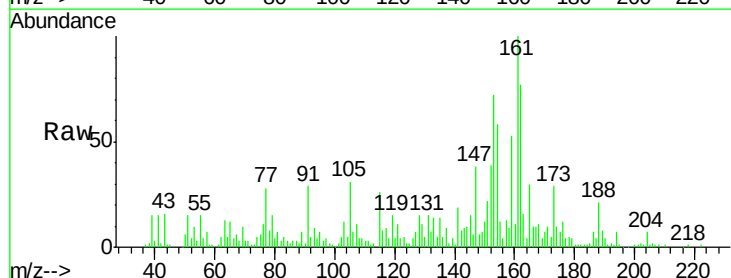
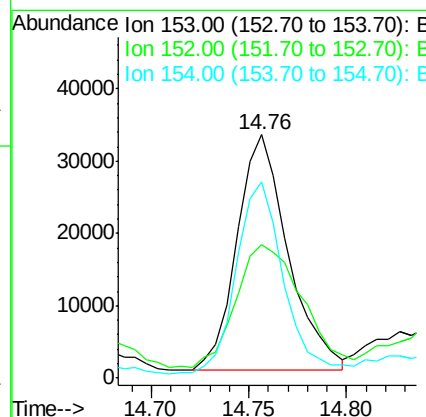
RT: 14.76 min Scan# 1986

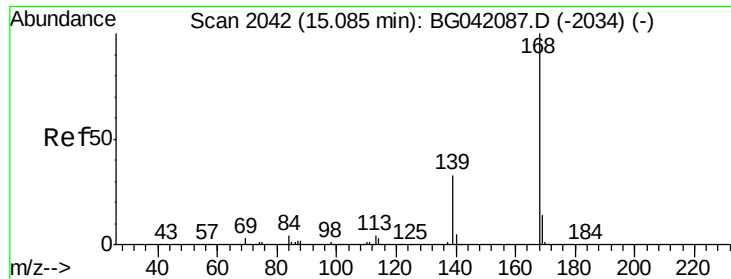
Delta R.T. 0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

Tgt Ion:	153	Resp:	59178
Ion Ratio	Lower	Upper	
153	100		
152	54.6	37.8	56.8
154	80.8	69.4	104.2





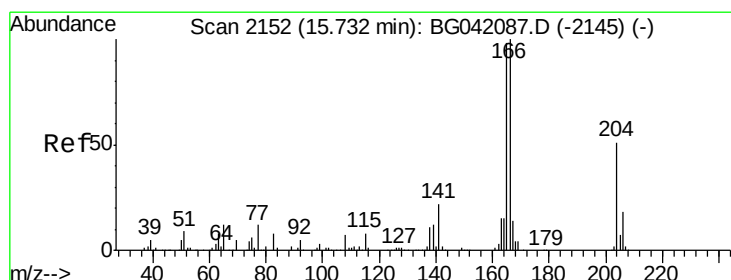
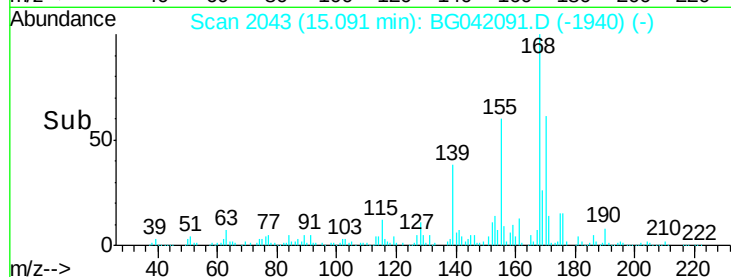
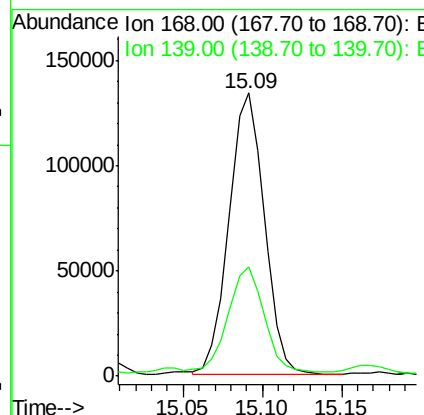
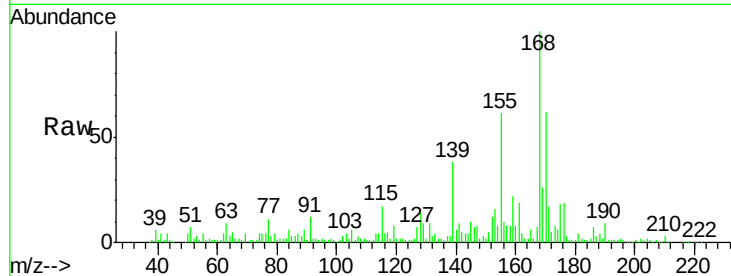
#53
Dibenzo(furan)
Concen: 10.087 ng/ul
RT: 15.09 min Scan# 2043
Delta R.T. 0.01 min
Lab File: BG042091.D
Acq: 9 Aug 2019 7:36

Instrument :
BNA_G
ClientSampled :
C0AM5

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.5	27.3	40.9

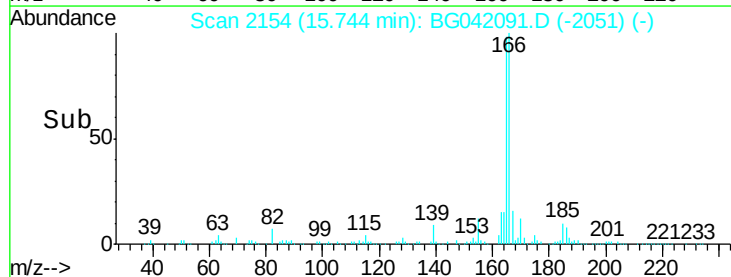
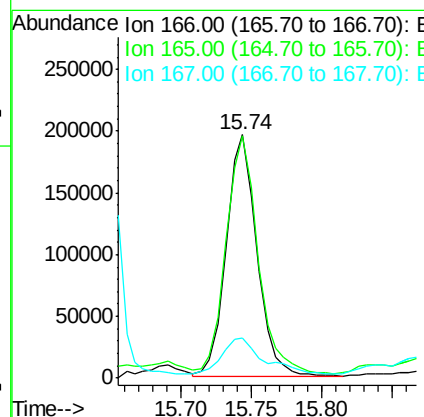
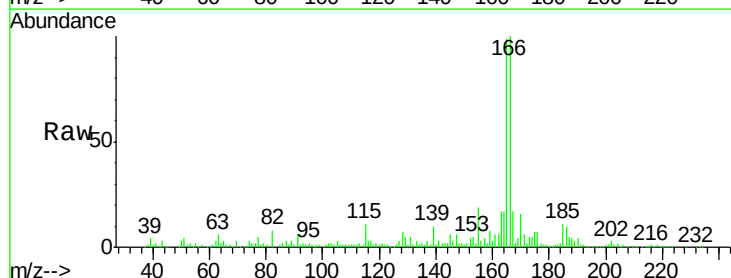
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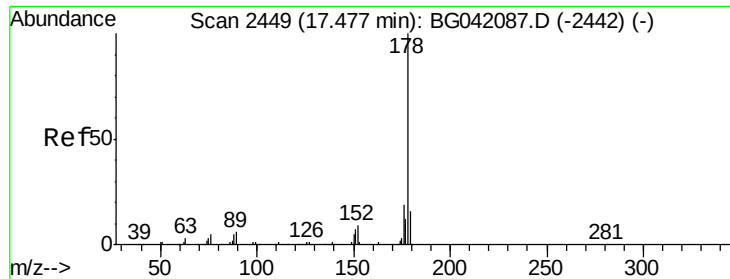
Sohil
8/13/2019 8:16:46 AM



#58
Fluorene
Concen: 17.751 ng/ul
RT: 15.74 min Scan# 2154
Delta R.T. 0.01 min
Lab File: BG042091.D
Acq: 9 Aug 2019 7:36

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	81.1	121.7
167	16.7	11.0	16.4#





#69

Phenanthrene

Concen: 17.169 ng/ul

RT: 17.49 min Scan# 2451

Delta R.T. 0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

Instrument :

BNA_G

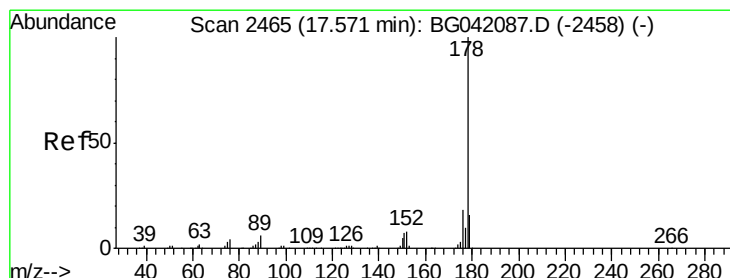
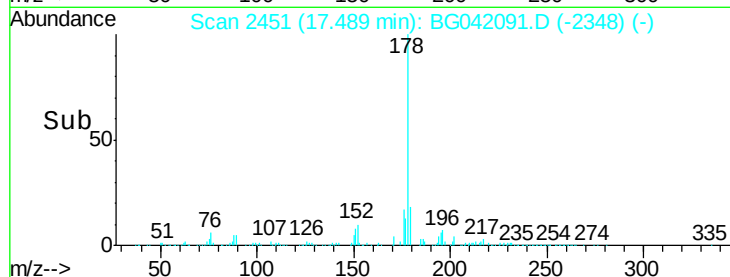
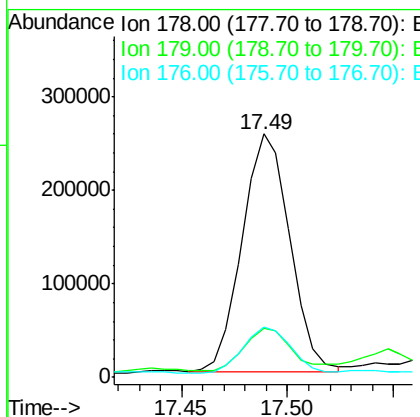
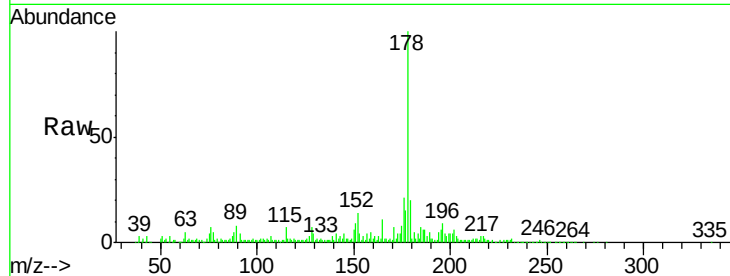
ClientSampled :

C0AM5

Tot Ion	Ratio	Resp	Lower	Upper
178	100	399179		
179	20.1	12.8	19.2#	
176	20.8	15.4	23.2	

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#71

Anthracene

Concen: 6.667 ng/ul

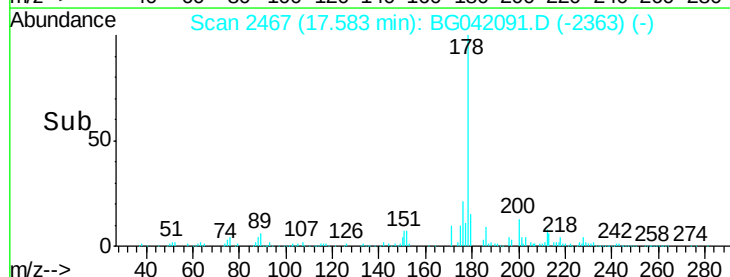
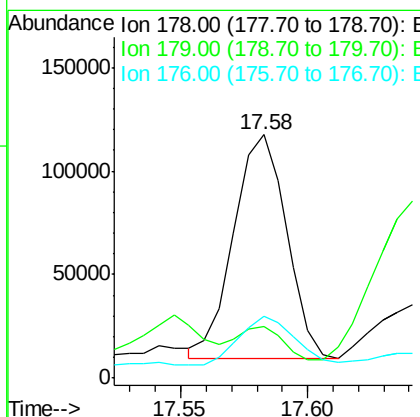
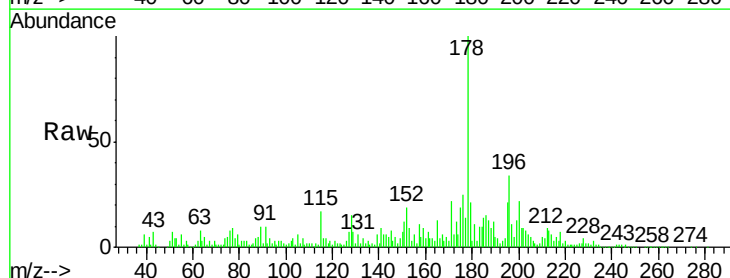
RT: 17.58 min Scan# 2467

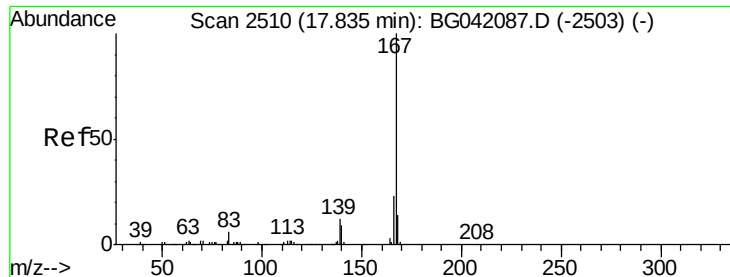
Delta R.T. 0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	157230		
179	21.4	13.4	20.0#	
176	25.3	15.4	23.2#	





#74

Carbazole

Concen: 1.693 ng/ul

RT: 17.85 min Scan# 2513

Delta R.T. 0.02 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

Instrument :

BNA_G

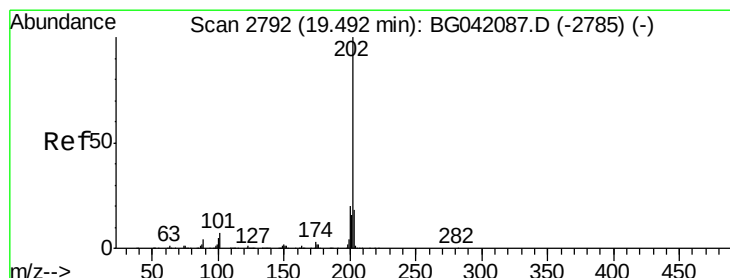
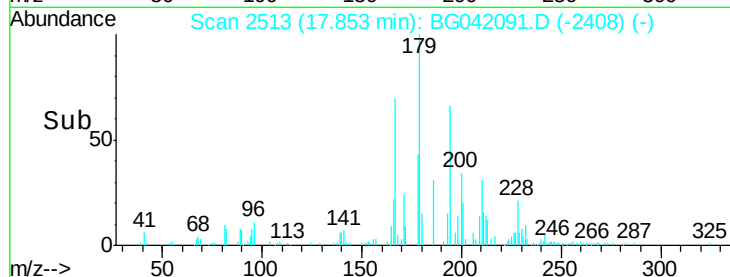
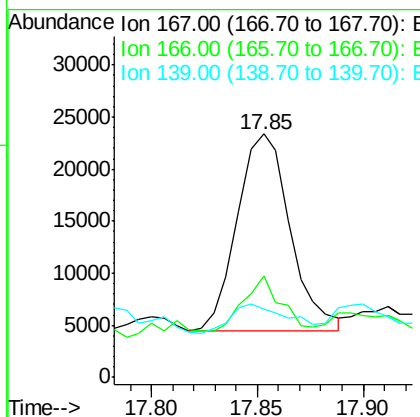
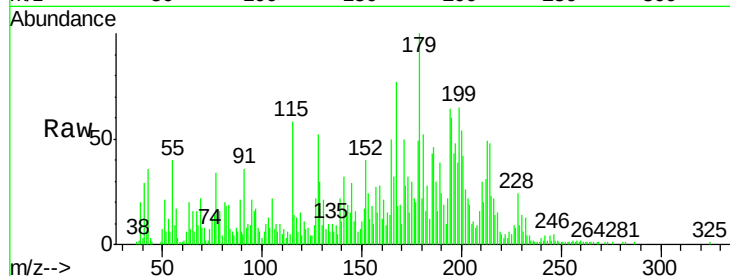
ClientSampleId :

C0AM5

Tot Ion:	167	Resp:	33078
Ion Ratio	Lower	Upper	
167	100		
166	41.7	18.2	27.4#
139	28.1	9.6	14.4#

Manual Integrations
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#76

Fluoranthene

Concen: 4.860 ng/ul m

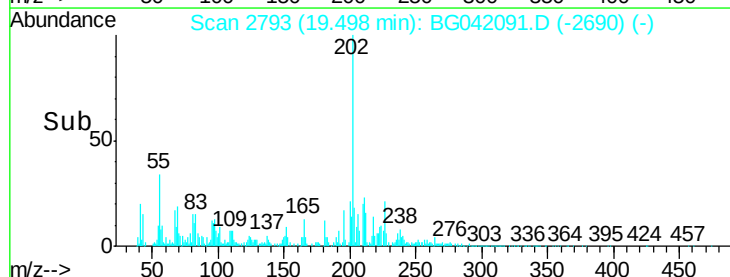
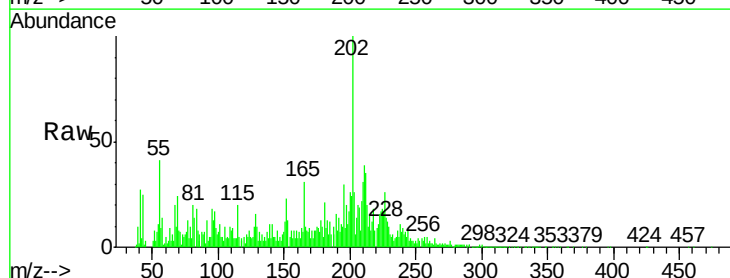
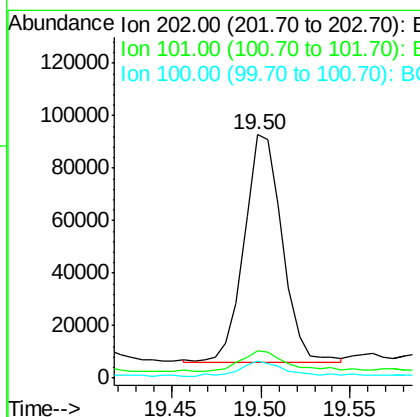
RT: 19.50 min Scan# 2793

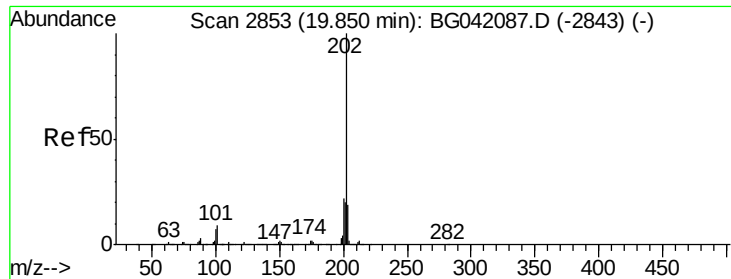
Delta R.T. 0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

Tgt Ion:	202	Resp:	130555
Ion Ratio	Lower	Upper	
202	100		
101	11.5	6.7	10.1#
100	6.9	5.3	7.9





#79

Pvrene

Concen: 6.685 ng/ul

RT: 19.86 min Scan# 2853

Delta R.T. 0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

Instrument :

BNA_G

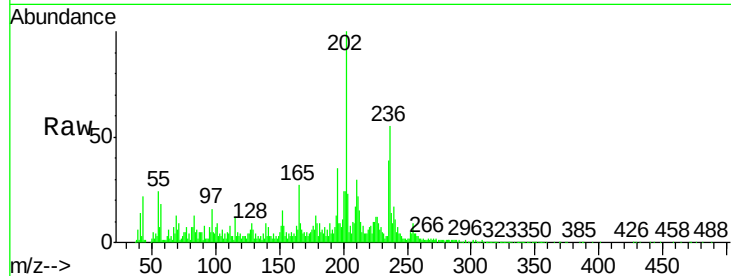
ClientSampled :

C0AM5

Tot Ion:	202	Resp:	202507
Ion Ratio	Lower	Upper	
202	100		
101	9.3	7.6	11.4
100	7.1	6.5	9.7

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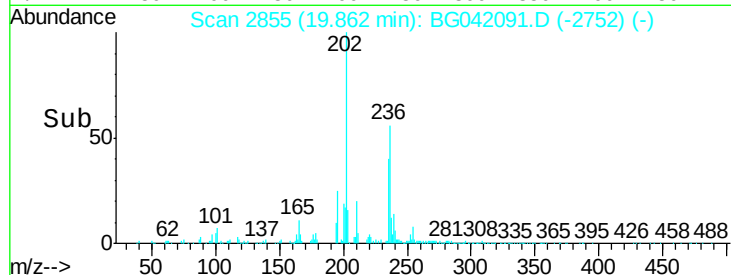


Abundance Ion 202.00 (201.70 to 202.70): E

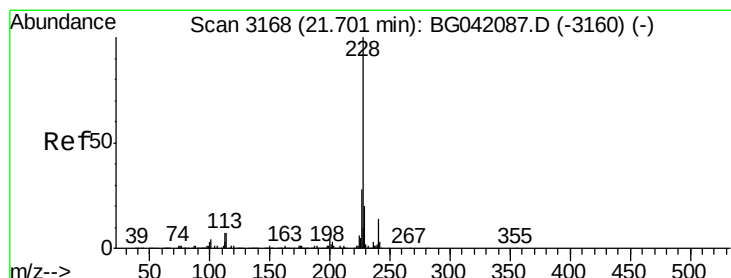
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time-->



Time-->



#82

Benzo(a)anthracene

Concen: 2.187 ng/ul

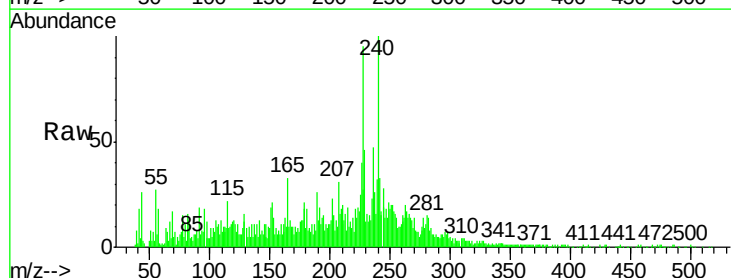
RT: 21.71 min Scan# 3170

Delta R.T. 0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

Tgt Ion:	228	Resp:	68274
Ion Ratio	Lower	Upper	
228	100		
229	48.4	17.0	25.6#
226	42.5	23.3	34.9#

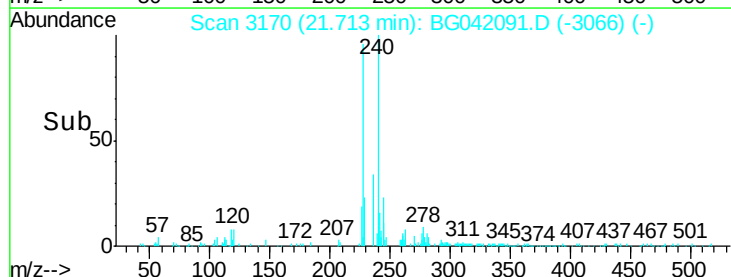


Abundance Ion 228.00 (227.70 to 228.70): E

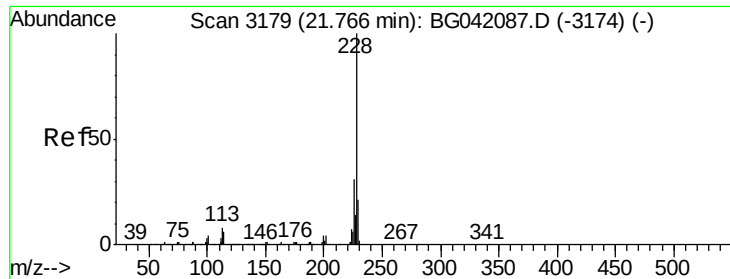
Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time-->



Time-->



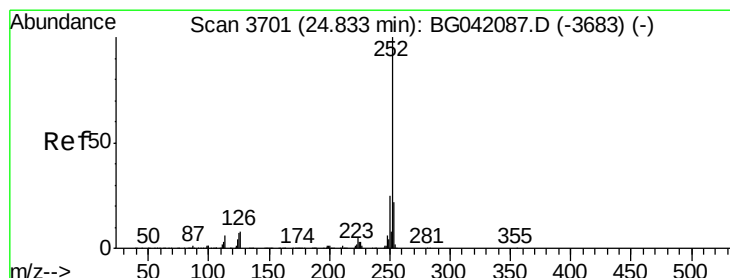
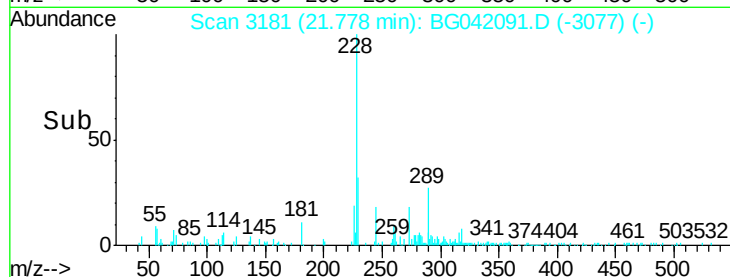
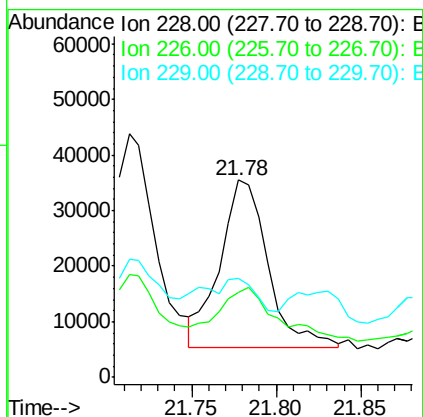
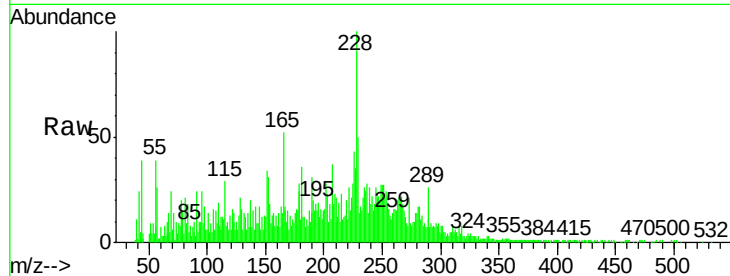
#84
Chrysene
Concen: 2.057 ng/ul
RT: 21.78 min Scan# 3181
Delta R.T. 0.01 min
Lab File: BG042091.D
Acq: 9 Aug 2019 7:36

Instrument :
BNA_G
ClientSampled :
C0AM5

Tot Ion	Ratio	Lower	Upper
228	100		
226	42.9	25.7	38.5#
229	50.4	16.6	24.8#

Manual Integrations
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Sohil
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#90
Benzo(a)pyrene
Concen: 1.079 ng/ul
RT: 24.86 min Scan# 3706
Delta R.T. 0.03 min
Lab File: BG042091.D
Acq: 9 Aug 2019 7:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	38.9	18.3	27.5#
125	16.9	6.5	9.7#

