

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041909.D
 Acq On : 3 Aug 2019 14:38
 Operator : HP/JU
 Sample : K3850-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENS0

Manual Integrations
 APPROVED

mohammad
 8/6/2019 12:17:57 PM

Quant Time: Aug 04 02:13:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Aug 04 00:02:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	91317	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	376340	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	249267	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	505093	20.00	ng/ul	0.00
77) Chrysene-d12	21.74	240	489346	20.00	ng/ul	0.02
85) Perylene-d12	25.02	264	565138	20.00	ng/ul	0.04

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.43	96	4996	2.39	ng/uL	0.00
5) Phenol-d5	7.19	99	125406	17.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	73975	18.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	115354	18.83	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	88542	14.72	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	57173	20.18	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	69943	21.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	128298	19.32	ng/ul	0.00
29) 4-Chloroaniline-d4	10.99	131	68434	9.29	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	413524	21.39	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	477539	21.62	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	34956	10.77	ng/ul	0.00
57) Fluorene-d10	15.69	176	365107	21.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	14487	4.47	ng/ul	0.01
70) Anthracene-d10	17.55	188	536554	22.14	ng/ul	0.01
78) Pyrene-d10	19.84	212	605257	22.16	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.80	264	667902	22.62	ng/ul	0.04

Target Compounds				Ovalue		
4) Benzaldehyde	7.17	77	4590	1.356	ng/ul#	78
6) Phenol	7.21	94	10862	1.468	ng/ul#	89
14) Acetophenone	8.86	105	40485	4.375	ng/ul	95
44) Dimethylphthalate	14.14	163	158119	8.237	ng/ul	99
49) Acenaphthene	14.76	153	127376	8.173	ng/ul	99
53) Dibenzofuran	15.09	168	33658	1.447	ng/ul	96
58) Fluorene	15.75	166	84126	4.490	ng/ul	93
69) Phenanthrene	17.49	178	1160790	41.979	ng/ul	96
71) Anthracene	17.59	178	384747	13.719	ng/ul	99
74) Carbazole	17.84	167	69296	2.983	ng/ul	97
76) Fluoranthene	19.51	202	2590043	81.068	ng/ul#	93
79) Pyrene	19.87	202	2475554m	75.208	ng/ul	
82) Benzo(a)anthracene	21.72	228	2081059	61.336	ng/ul#	90
84) Chrysene	21.79	228	2032900	64.196	ng/ul#	90
87) Benzo(b)fluoranthene	23.99	252	2822657	79.589	ng/ul	94
88) Benzo(k)fluoranthene	24.05	252	1096064m	32.143	ng/ul	
90) Benzo(a)pyrene	24.88	252	2138089	63.265	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	28.77	276	962338	24.413	ng/ul	96
92) Dibenzo(a,h)anthracene	28.81	278	279043m	8.679	ng/ul	
93) Benzo(g,h,i)perylene	29.94	276	778526	23.656	ng/ul	97

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

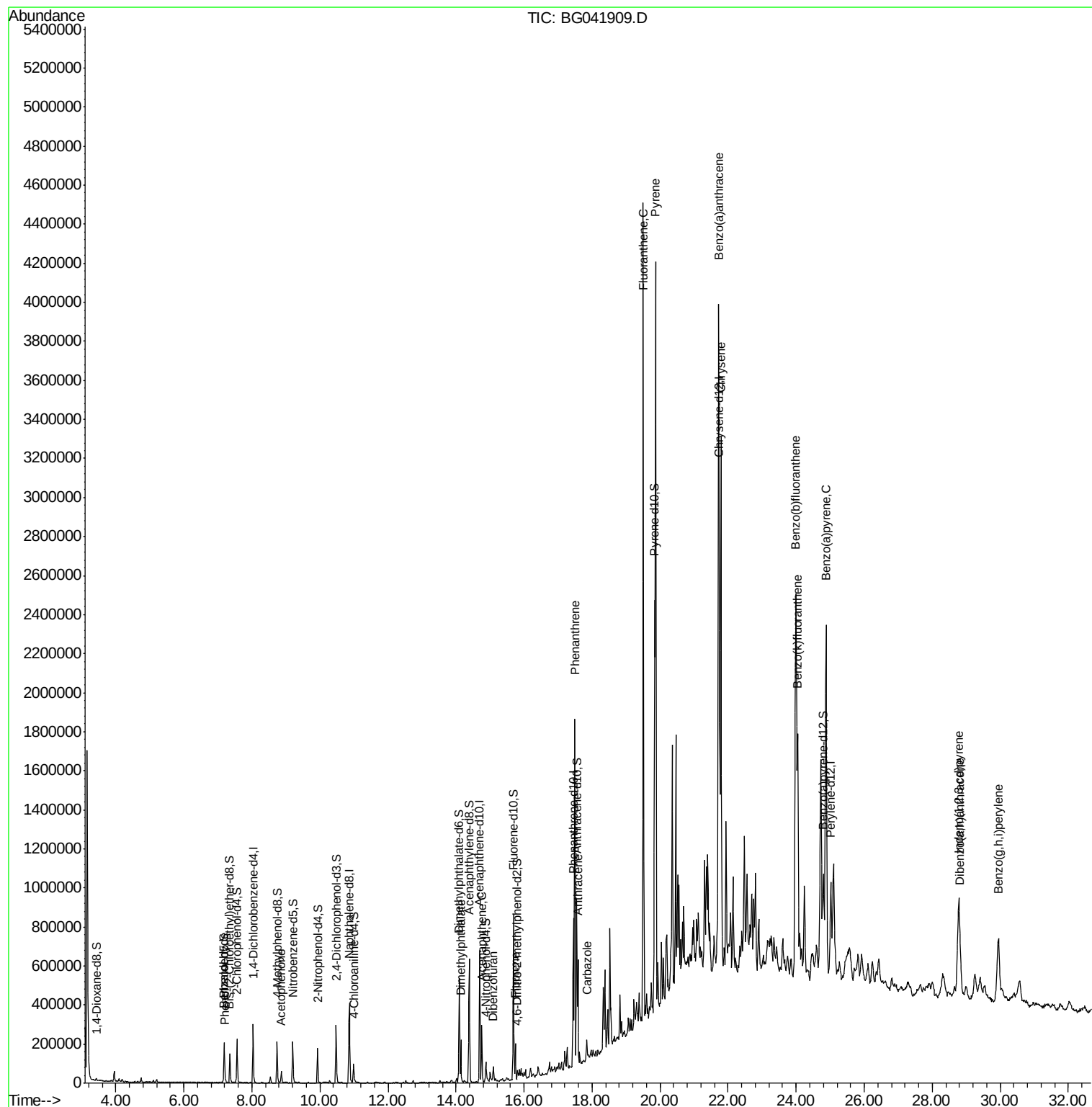
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041909.D
Acq On : 3 Aug 2019 14:38
Operator : HP/JU
Sample : K3850-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

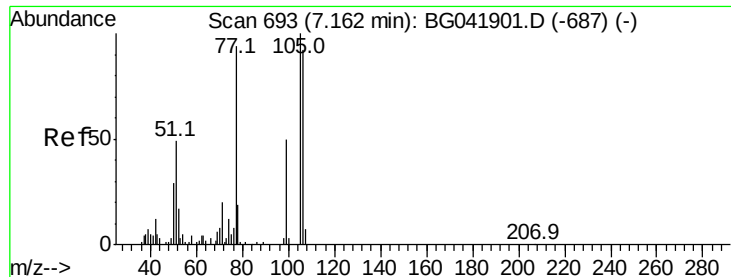
Instrument :
BNA_G
ClientSampleId :
BENS0

Manual Integrations
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8/6/2019 12:17:57 PM

Quant Time: Aug 04 02:13:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 04 00:02:32 2019
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.356 ng/ul

RT: 7.17 min Scan# 694

Delta R.T. 0.01 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Instrument :

BNA_G

ClientSampled :

BENS0

Tot Ion: 77 Resp: 4590

Ion Ratio Lower Upper

77 100

105 68.2 80.7 121.1#

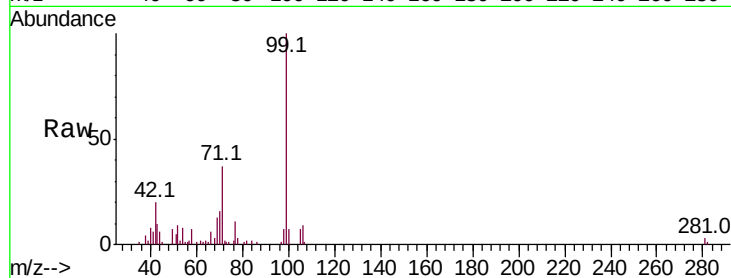
106 85.7 76.3 114.5

Manual Integrations

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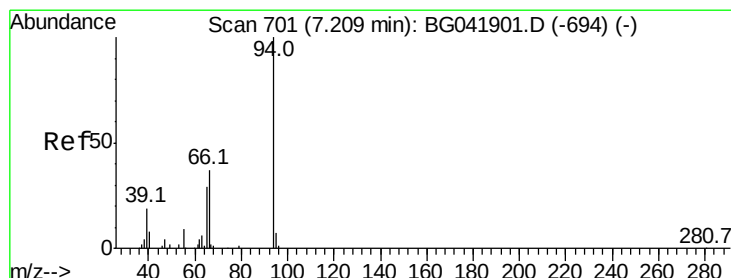
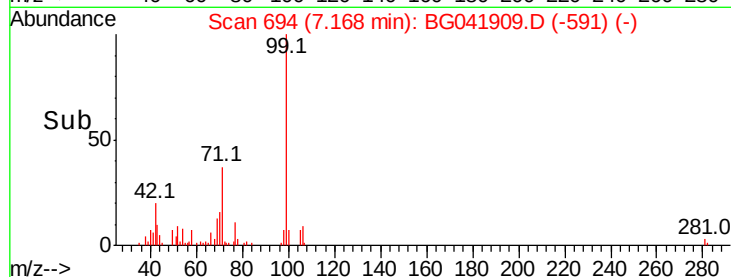
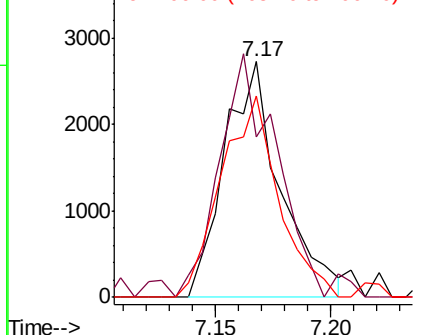
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Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#6

Phenol

Concen: 1.468 ng/ul

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

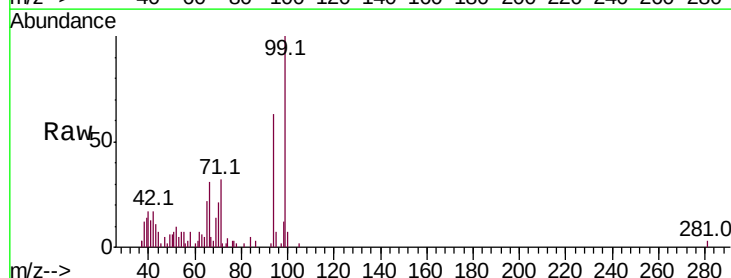
Tgt Ion: 94 Resp: 10862

Ion Ratio Lower Upper

94 100

65 35.2 25.8 38.6

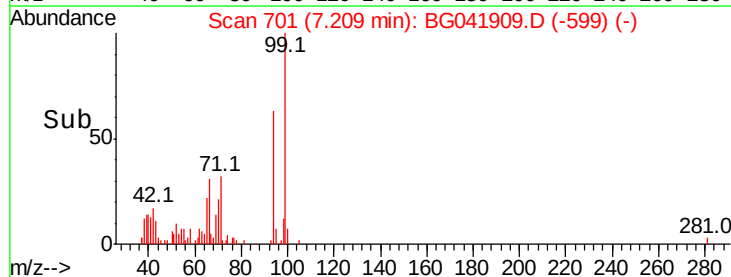
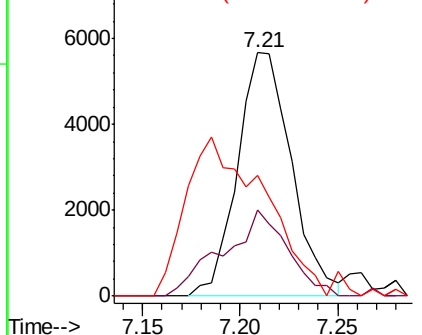
66 49.4 31.8 47.8#

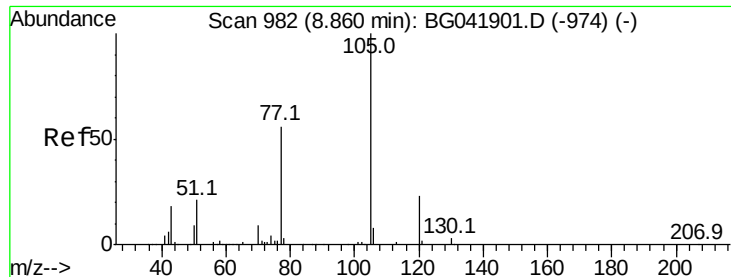


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





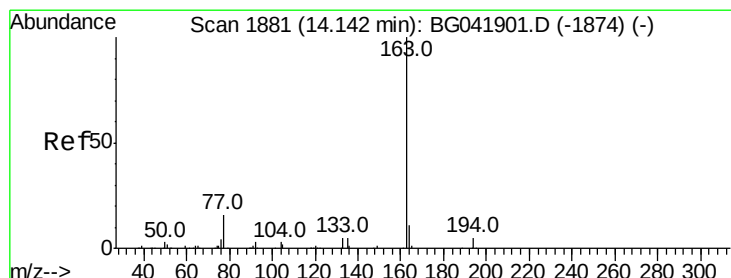
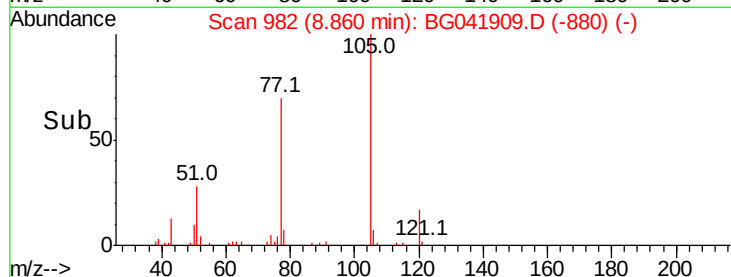
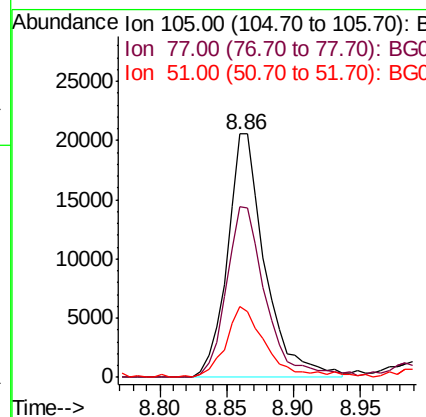
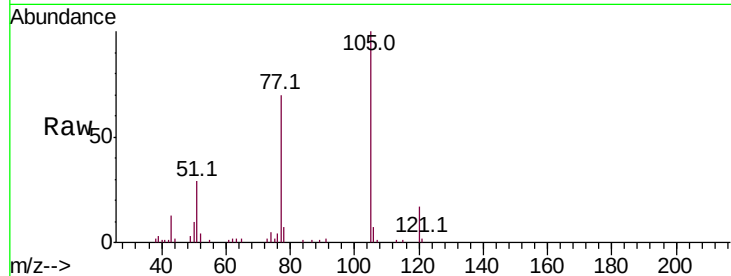
#14
Acetophenone
Concen: 4.375 ng/ul
RT: 8.86 min Scan# 982
Delta R.T. -0.00 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

Instrument :
BNA_G
ClientSampled :
BENS0

Tot Ion	Ratio	Lower	Upper
105	100		
77	70.3	60.0	90.0
51	29.3	22.1	33.1

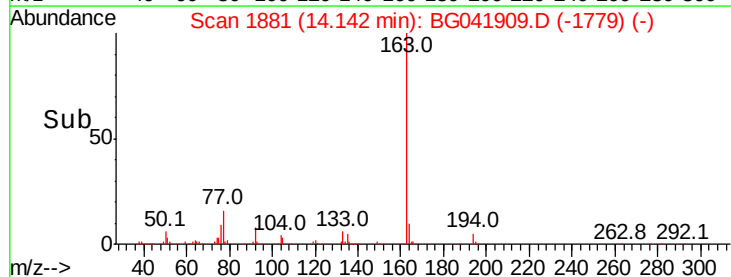
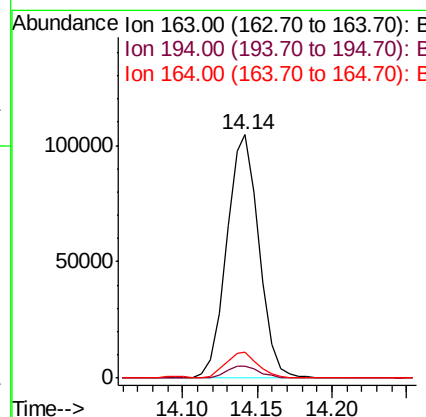
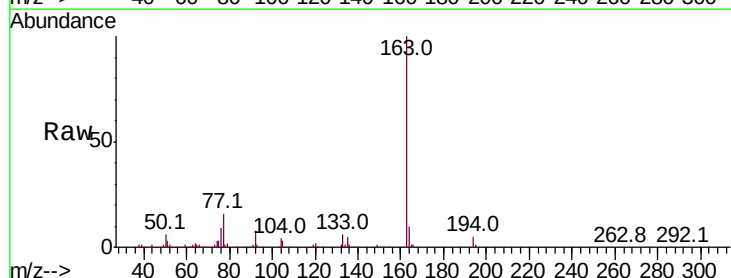
Manual Integrations
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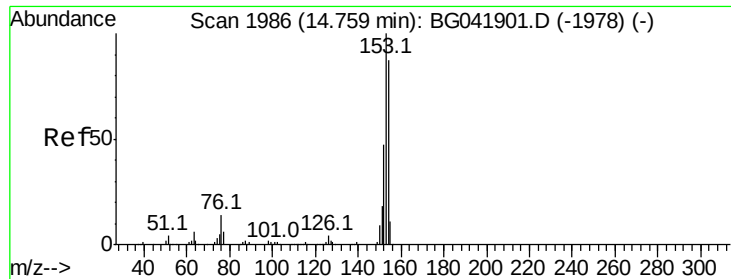
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#44
Dimethylphthalate
Concen: 8.237 ng/ul
RT: 14.14 min Scan# 1881
Delta R.T. -0.00 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	4.2	6.2
164	10.5	7.8	11.8





#49

Acenaphthene

Concen: 8.173 ng/ul

RT: 14.76 min Scan# 1986

Delta R.T. -0.00 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Instrument :

BNA_G

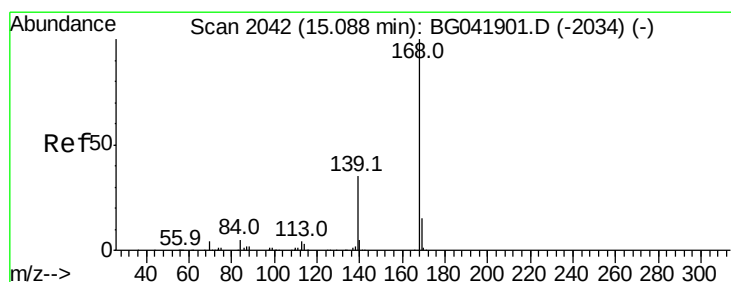
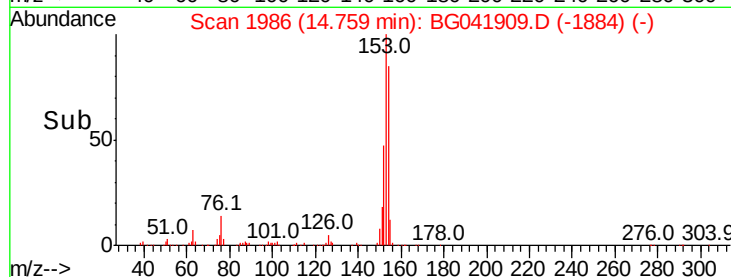
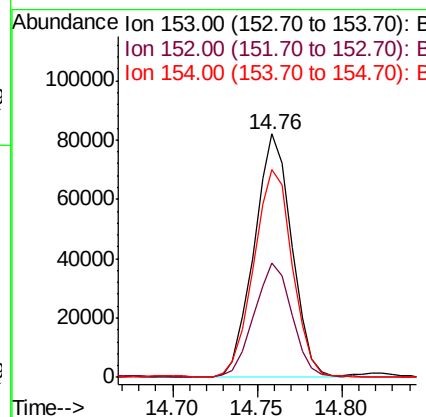
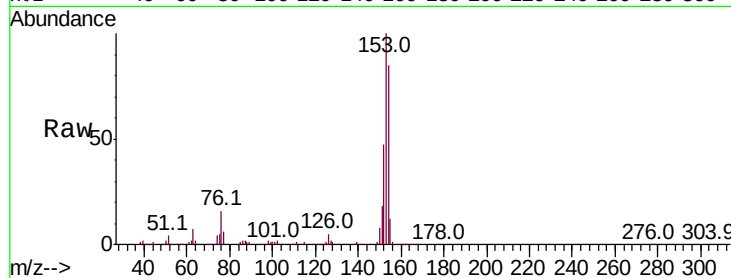
ClientSampled :

BENS0

Tot Ion:	153	Resp:	127376
Ion Ratio	Lower	Upper	
153	100		
152	47.1	37.8	56.8
154	85.2	69.4	104.2

Manual Integrations
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#53

Dibenzofuran

Concen: 1.447 ng/ul

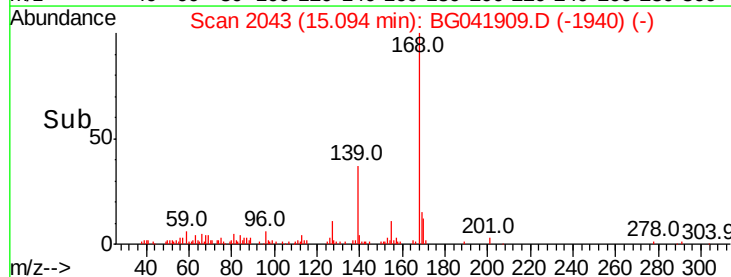
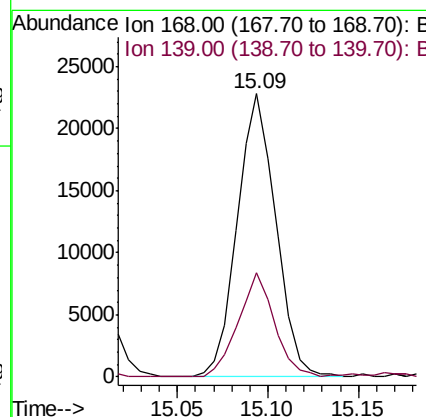
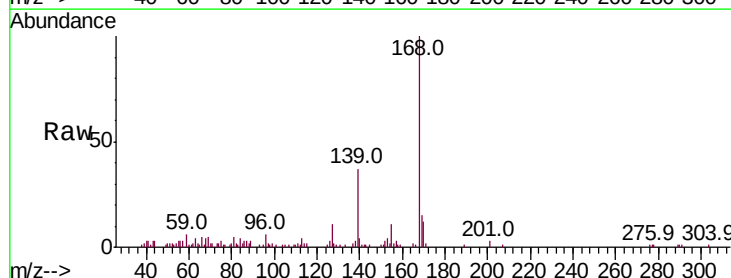
RT: 15.09 min Scan# 2043

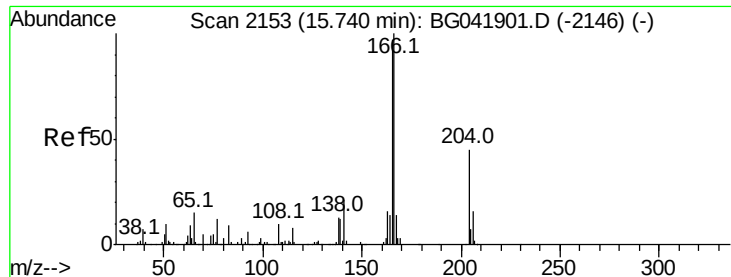
Delta R.T. 0.01 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Tgt Ion:	168	Resp:	33658
Ion Ratio	Lower	Upper	
168	100		
139	36.6	27.3	40.9





#58

Fluorene

Concen: 4.490 ng/ul

RT: 15.75 min Scan# 2154

Delta R.T. 0.01 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Instrument :

BNA_G

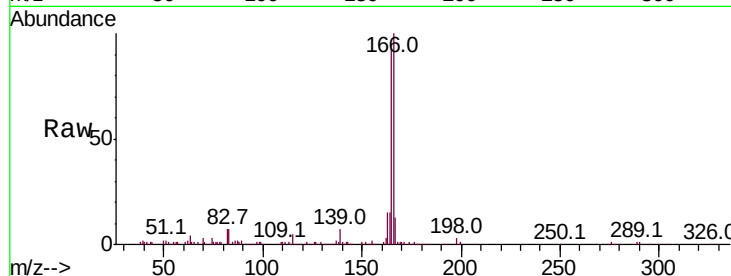
ClientSampleId :

BENS0

Tot Ion	Ratio	Resp	Lower	Upper
166	100	84126		
165	93.3	81.1	121.7	
167	12.9	11.0	16.4	

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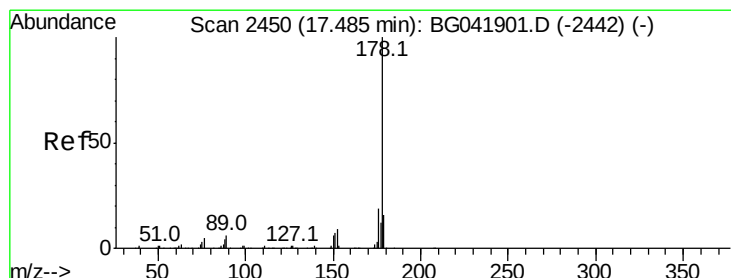
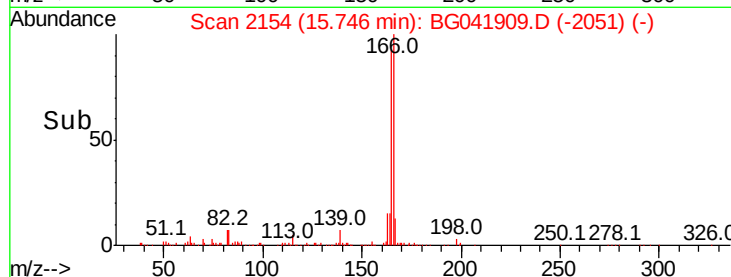
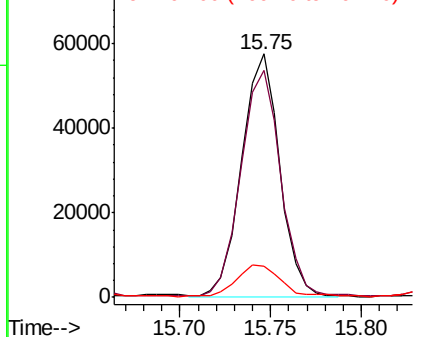


Abundance

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



#69

Phenanthrene

Concen: 41.979 ng/ul

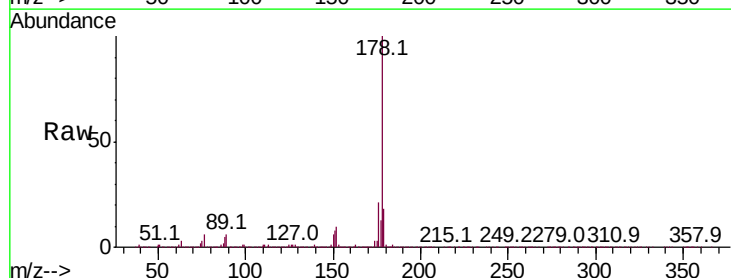
RT: 17.49 min Scan# 2451

Delta R.T. 0.01 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1160790		
179	17.6	12.8	19.2	
176	21.0	15.4	23.2	

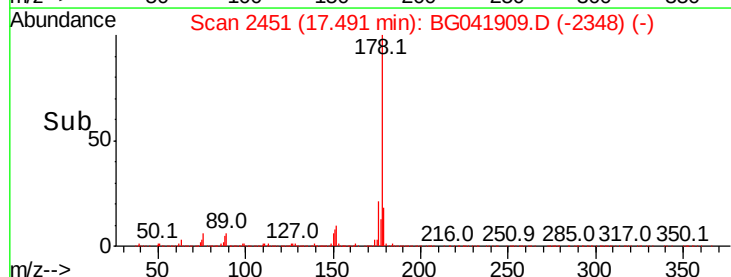
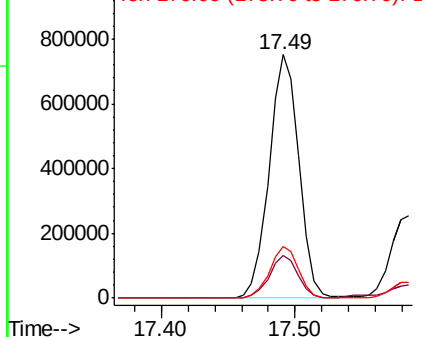


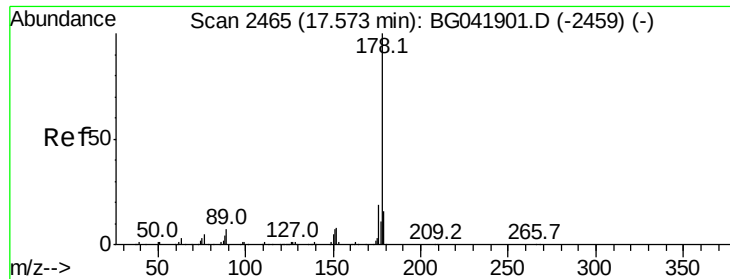
Abundance

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





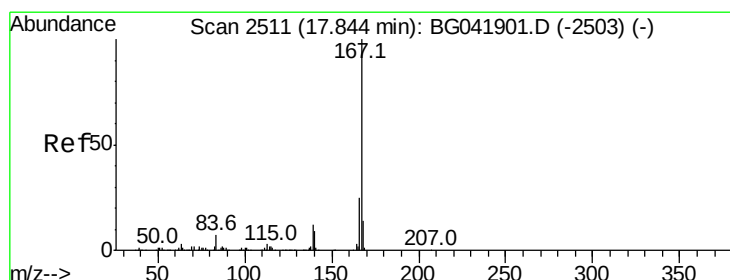
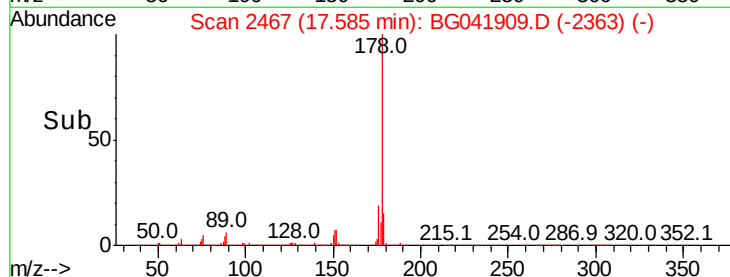
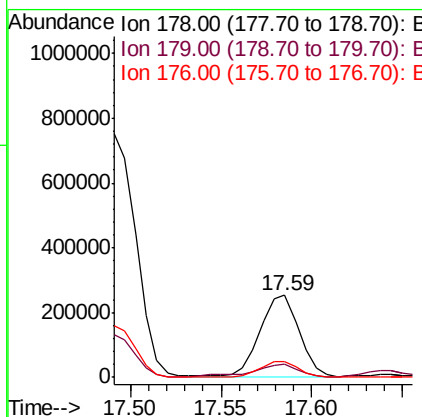
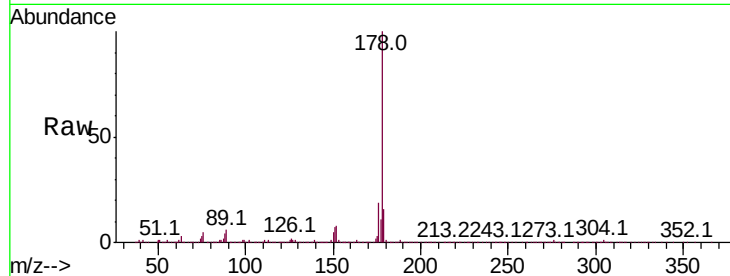
#71
 Anthracene
 Concen: 13.719 ng/ul
 RT: 17.59 min Scan# 2467
 Delta R.T. 0.01 min
 Lab File: BG041909.D
 Acq: 3 Aug 2019 14:38

Instrument :
 BNA_G
 ClientSampled :
 BENS0

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	13.4	20.0
176	19.2	15.4	23.2

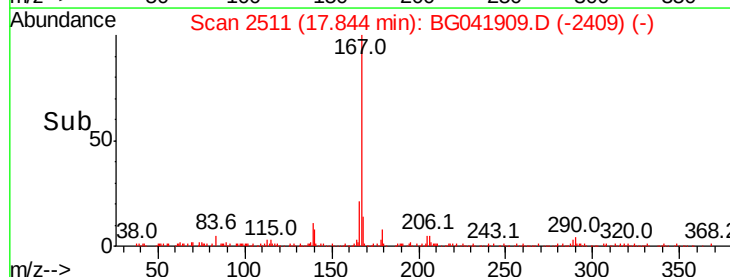
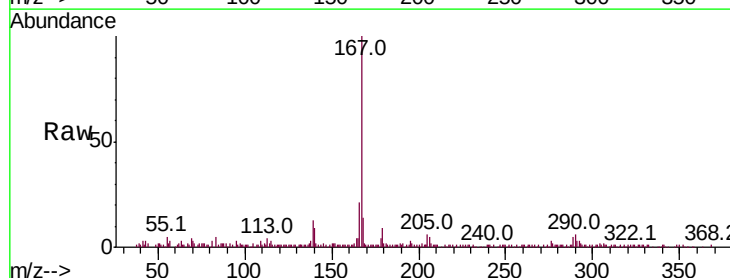
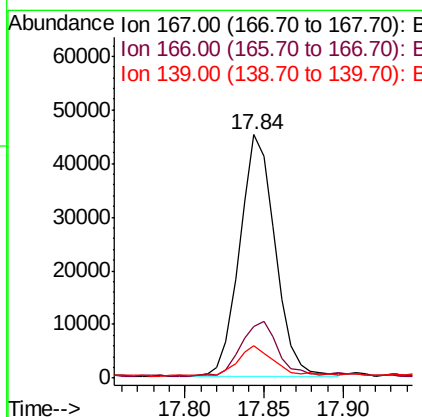
Manual Integrations
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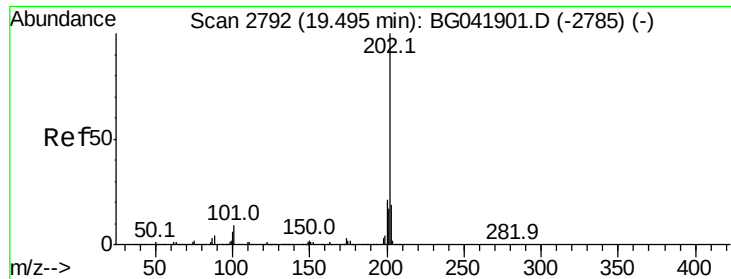
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#74
 Carbazole
 Concen: 2.983 ng/ul
 RT: 17.84 min Scan# 2511
 Delta R.T. -0.00 min
 Lab File: BG041909.D
 Acq: 3 Aug 2019 14:38

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	18.2	27.4
139	13.1	9.6	14.4





#76

Fluoranthene

Concen: 81.068 ng/ul

RT: 19.51 min Scan# 2794

Delta R.T. 0.01 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Instrument :

BNA_G

ClientSampleId :

BENS0

Tot Ion:202 Resp: 2590043

Ion Ratio Lower Upper

202 100

101 11.1 6.7 10.1#

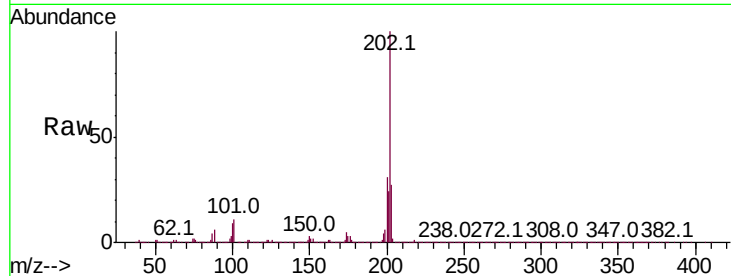
100 8.6 5.3 7.9#

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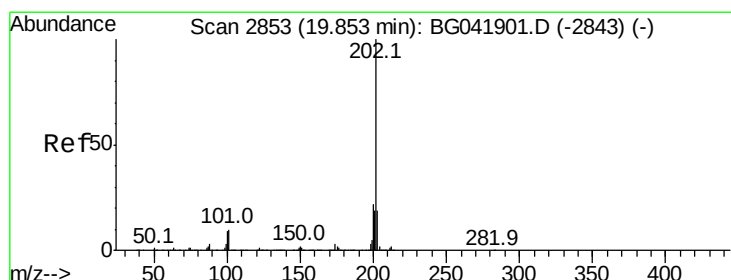
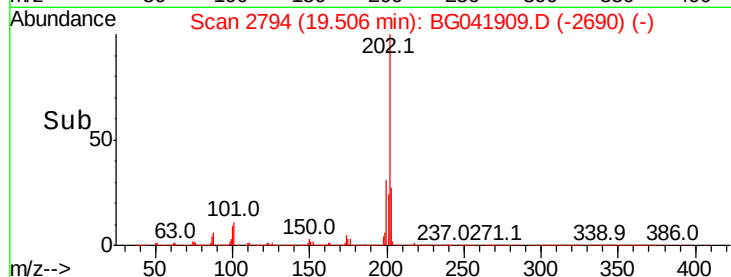
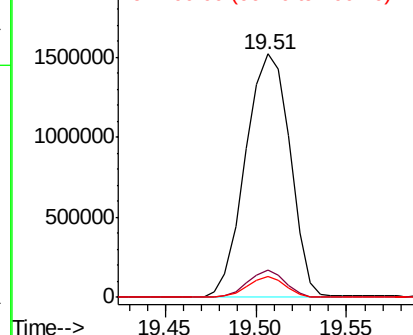


Abundance

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): B



#79

Pyrene

Concen: 75.208 ng/ul m

RT: 19.87 min Scan# 2856

Delta R.T. 0.02 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Tgt Ion:202 Resp: 2475554

Ion Ratio Lower Upper

202 100

101 12.2 7.6 11.4#

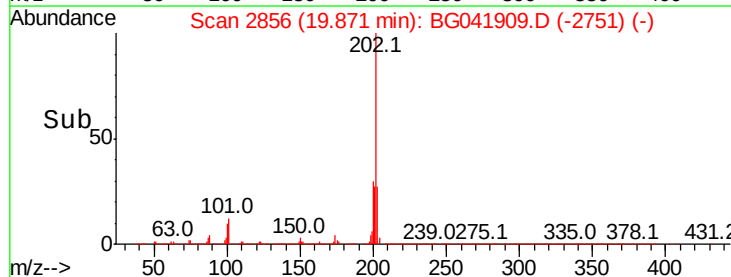
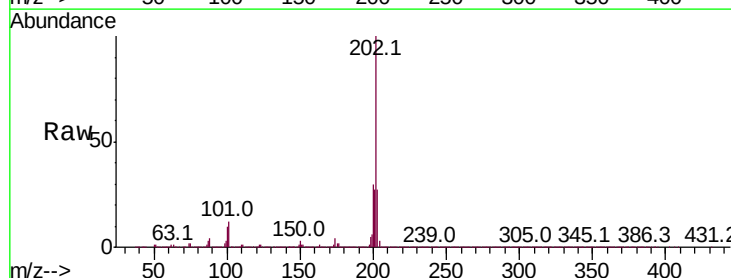
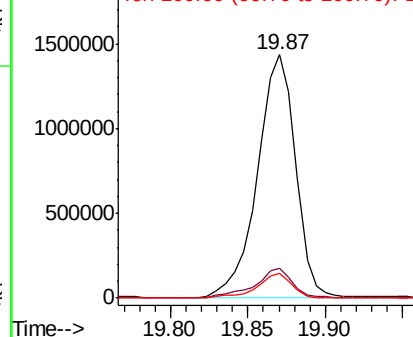
100 10.0 6.5 9.7#

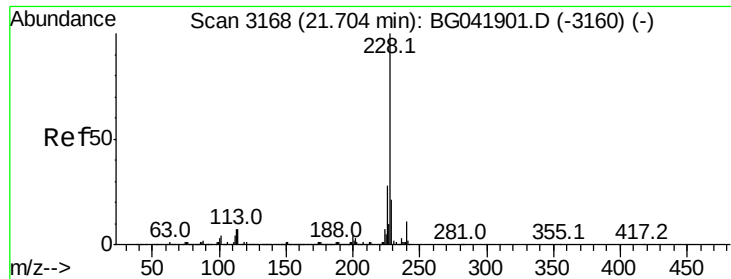
Abundance

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): B





#82

Benzo(a)anthracene

Concen: 61.336 ng/ul

RT: 21.72 min Scan# 3171

Delta R.T. 0.02 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Instrument :

BNA_G

ClientSampled :

BENS0

Tot Ion:228 Resp: 2081059

Ion Ratio Lower Upper

228 100

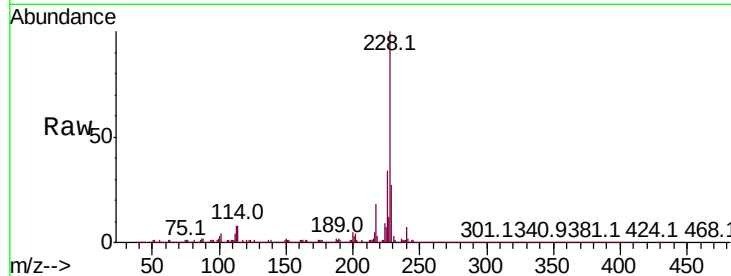
229 26.7 17.0 25.6#

226 33.9 23.3 34.9

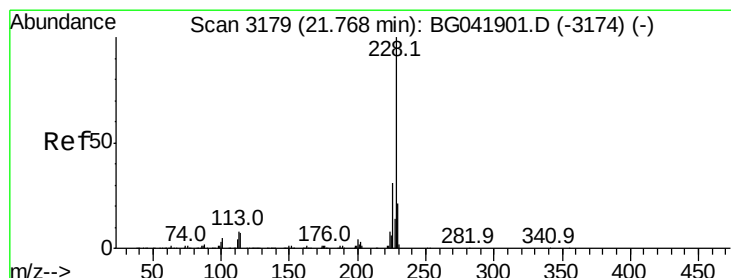
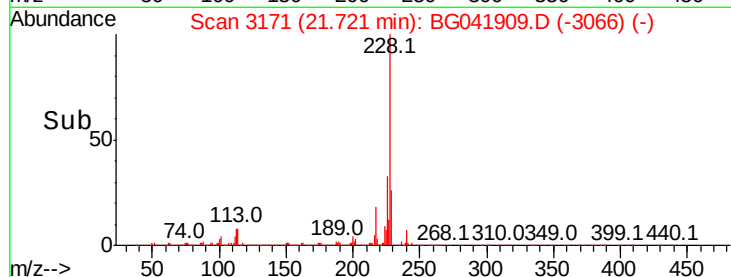
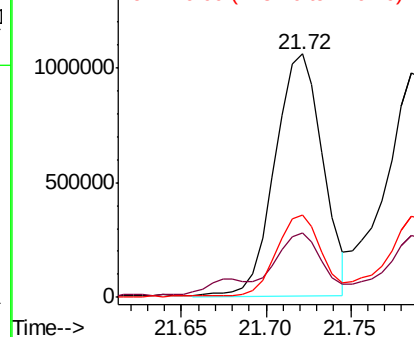
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#84

Chrysene

Concen: 64.196 ng/ul

RT: 21.79 min Scan# 3182

Delta R.T. 0.02 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Tgt Ion:228 Resp: 2032900

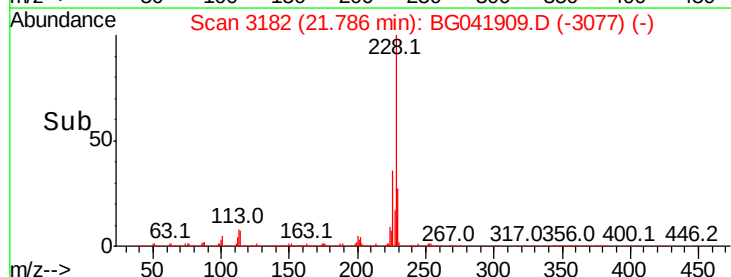
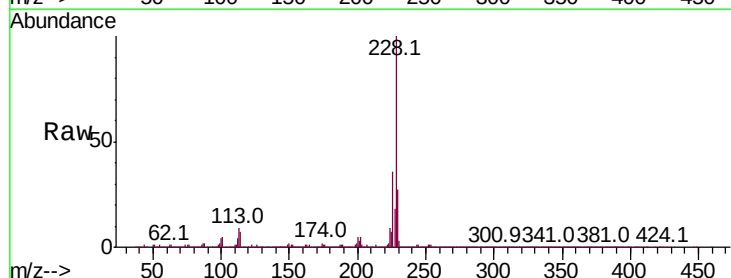
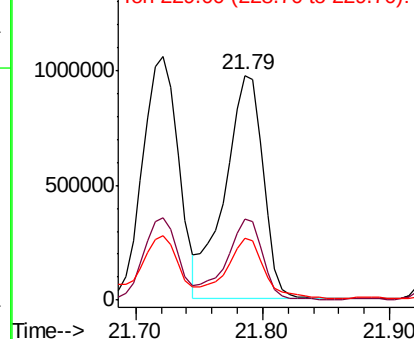
Ion Ratio Lower Upper

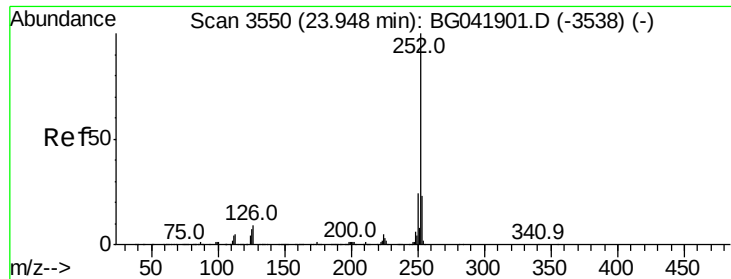
228 100

226 36.1 25.7 38.5

229 27.4 16.6 24.8#

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 79.589 ng/ul

RT: 23.99 min Scan# 3557

Delta R.T. 0.04 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Instrument :

BNA_G

ClientSampleId :

BENS0

Tot Ion:252 Resp: 2822657

Ion Ratio Lower Upper

252 100

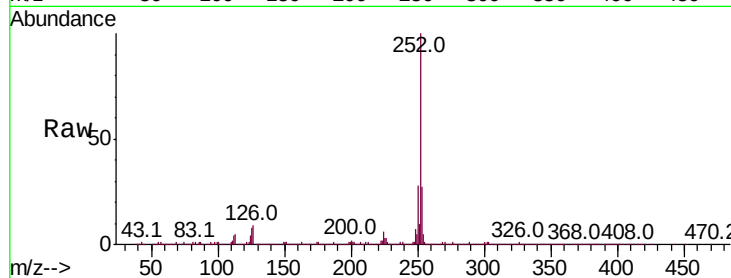
253 26.5 18.4 27.6

125 8.0 5.8 8.8

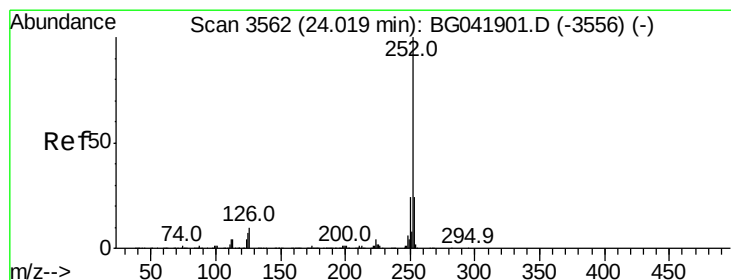
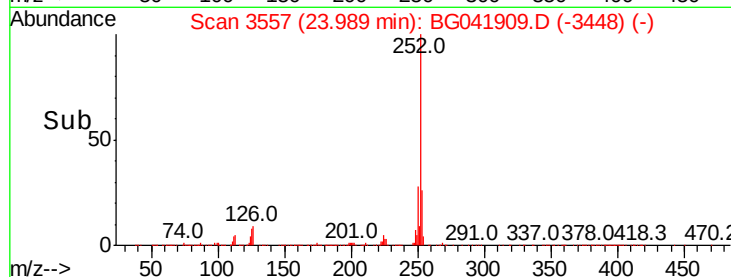
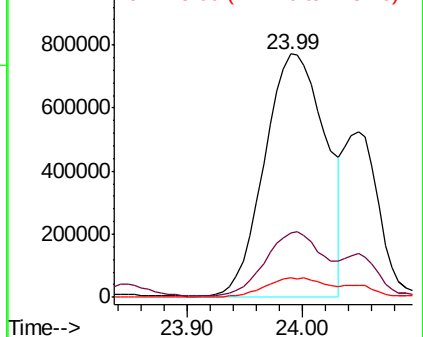
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 32.143 ng/ul m

RT: 24.05 min Scan# 3567

Delta R.T. 0.03 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

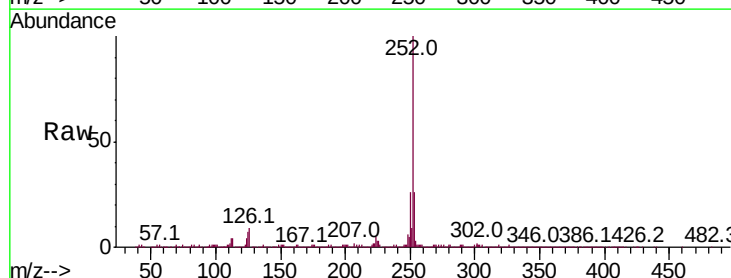
Tgt Ion:252 Resp: 1096064

Ion Ratio Lower Upper

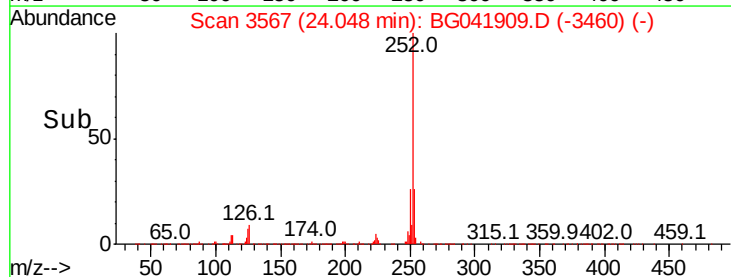
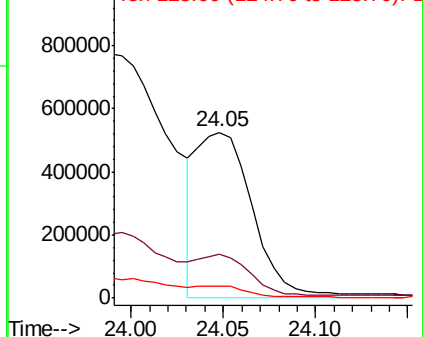
252 100

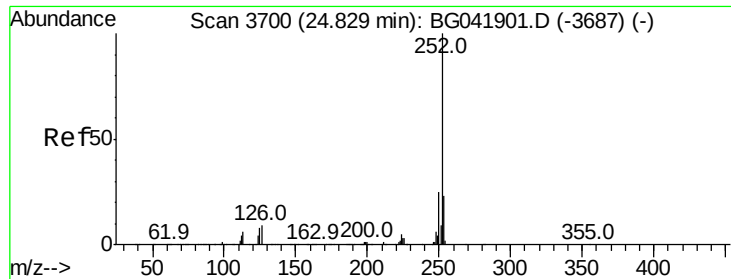
253 26.2 18.3 27.5

125 7.0 5.5 8.3



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





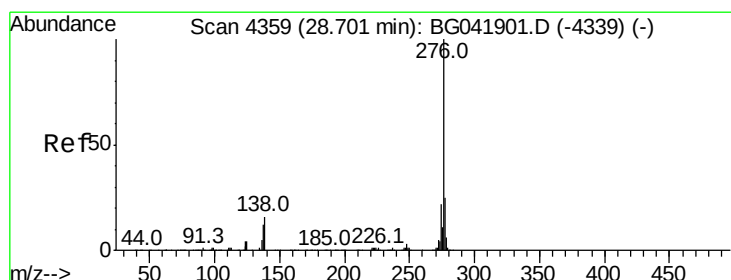
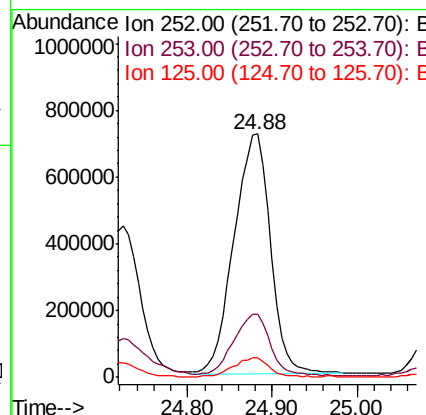
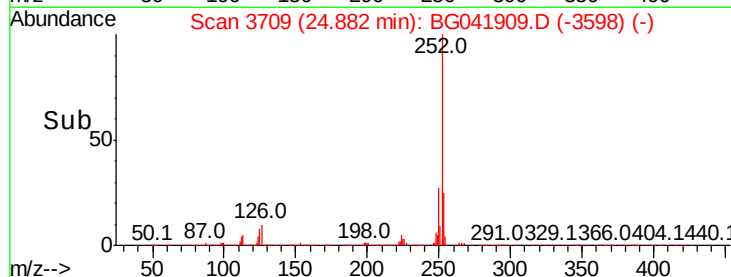
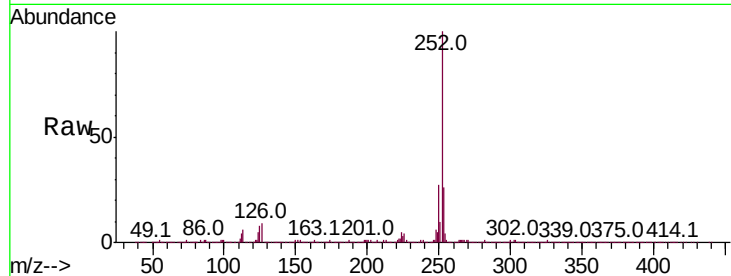
#90
Benzo(a)pyrene
Concen: 63.265 ng/ul
RT: 24.88 min Scan# 3709
Delta R.T. 0.05 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

Instrument :
BNA_G
ClientSampled :
BENS0

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.3	27.5
125	8.0	6.5	9.7

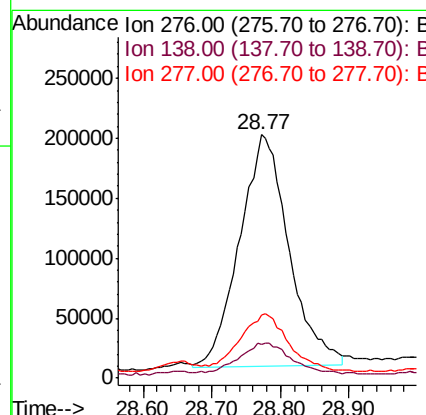
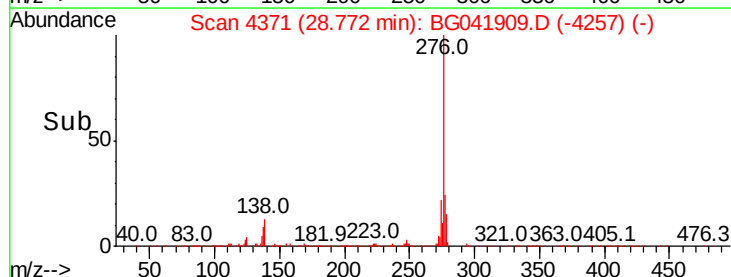
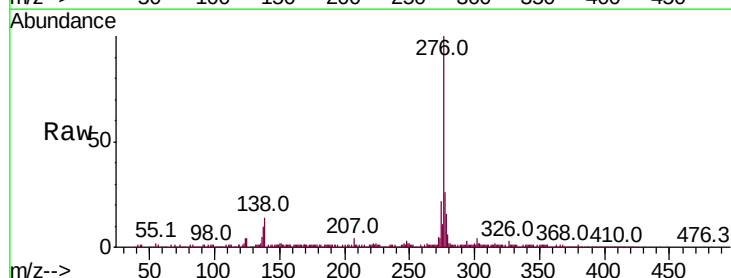
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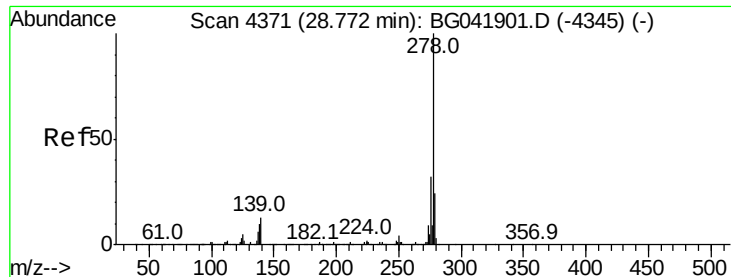
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#91
Indeno(1,2,3-cd)pyrene
Concen: 24.413 ng/ul
RT: 28.77 min Scan# 4371
Delta R.T. 0.07 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.9	12.0	18.0
277	26.0	19.2	28.8





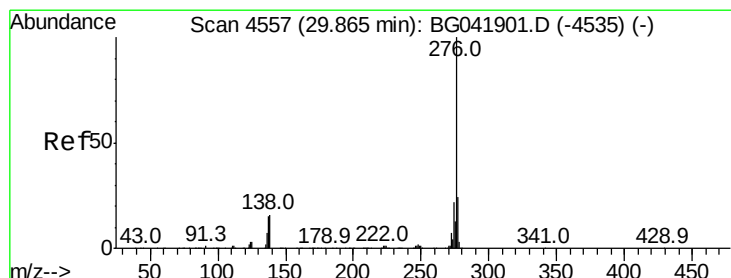
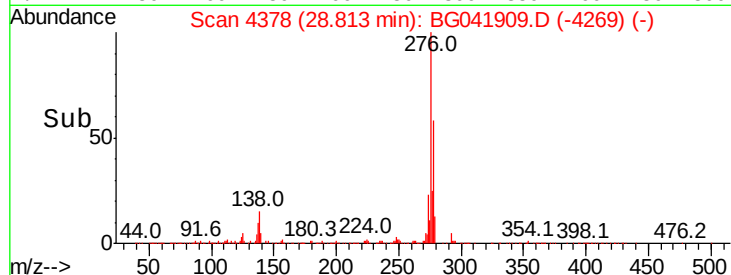
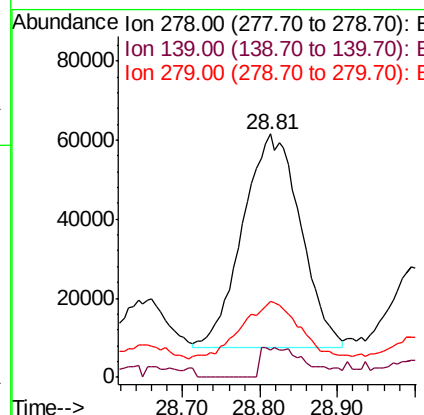
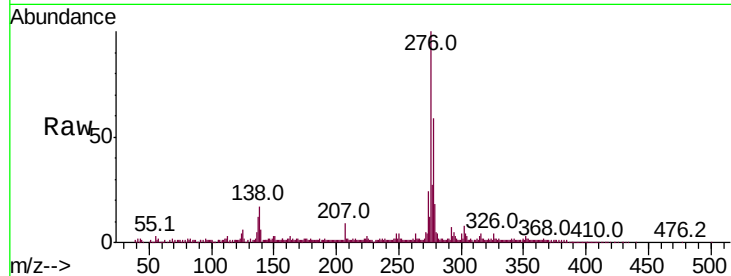
#92
Dibenzo(a,h)anthracene
Concen: 8.679 ng/ul m
RT: 28.81 min Scan# 4378
Delta R.T. 0.04 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

Instrument :
BNA_G
ClientSampleId :
BENS0

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.0	9.4	14.0
279	31.0	19.2	28.8#

Manual Integrations
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#93
Benzo(g,h,i)perylene
Concen: 23.656 ng/ul
RT: 29.94 min Scan# 4570
Delta R.T. 0.08 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.4	12.6	18.8
277	25.1	19.2	28.8

