

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041905.D
 Acq On : 3 Aug 2019 12:05
 Operator : HP/JU
 Sample : K3850-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENP0

Manual Integrations
 APPROVED

mohammad
 8/6/2019 12:18:04 PM

Quant Time: Aug 04 01:18:49 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	112679	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	464334	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	304713	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	603850	20.00	ng/ul	0.00
77) Chrysene-d12	21.74	240	603843	20.00	ng/ul	0.02
85) Perylene-d12	25.02	264	703159	20.00	ng/ul	0.03

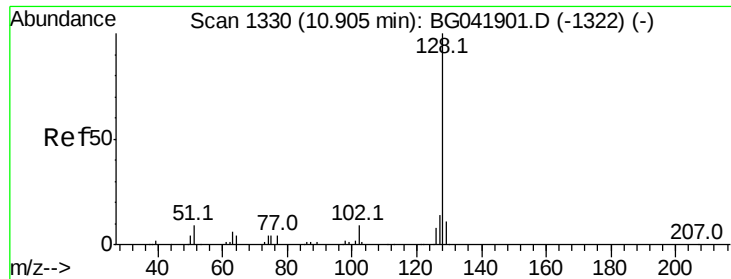
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	5804	2.25	ng/uL	0.00
5) Phenol-d5	7.19	99	126474	14.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	84344	17.05	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	126184	16.69	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	99773	13.44	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	64081	18.33	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	79760	19.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	140319	17.13	ng/ul	0.00
29) 4-Chloroaniline-d4	10.99	131	65517	7.21	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	426620	18.05	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	504120	18.67	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	41900	10.56	ng/ul	0.00
57) Fluorene-d10	15.69	176	376363	17.90	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	46338	11.96	ng/ul	0.01
70) Anthracene-d10	17.55	188	547436	18.90	ng/ul	0.01
78) Pyrene-d10	19.83	212	617862	18.34	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.79	264	689576	18.77	ng/ul	0.03

Target Compounds

					Ovalue	
28) Naphthalene	10.91	128	116629	4.913	ng/ul	99
34) 2-Methylnaphthalene	12.52	142	119665	6.342	ng/ul	99
40) 1,1'-Biphenyl	13.52	154	47111	2.126	ng/ul	95
44) Dimethylphthalate	14.14	163	129961	5.539	ng/ul	99
49) Acenaphthene	14.76	153	308763	16.206	ng/ul	98
53) Dibenzofuran	15.09	168	196213	6.901	ng/ul	95
58) Fluorene	15.75	166	275824	12.043	ng/ul	98
69) Phenanthrene	17.50	178	2577865m	77.980	ng/ul	
71) Anthracene	17.58	178	816257	24.345	ng/ul	99
74) Carbazole	17.84	167	155062	5.583	ng/ul	97
76) Fluoranthene	19.51	202	2936234	76.873	ng/ul#	91
79) Pyrene	19.87	202	3336598m	82.146	ng/ul	
82) Benzo(a)anthracene	21.72	228	2280417	54.468	ng/ul#	87
84) Chrysene	21.79	228	2318618	59.335	ng/ul#	87
87) Benzo(b)fluoranthene	23.99	252	2436527	55.216	ng/ul	96
88) Benzo(k)fluoranthene	24.04	252	839491m	19.786	ng/ul	
90) Benzo(a)pyrene	24.88	252	2001960	47.610	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	28.78	276	877529	17.892	ng/ul	98
92) Dibenzo(a,h)anthracene	28.81	278	272318	6.807	ng/ul	94
93) Benzo(g,h,i)perylene	29.94	276	801436	19.572	ng/ul	97

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



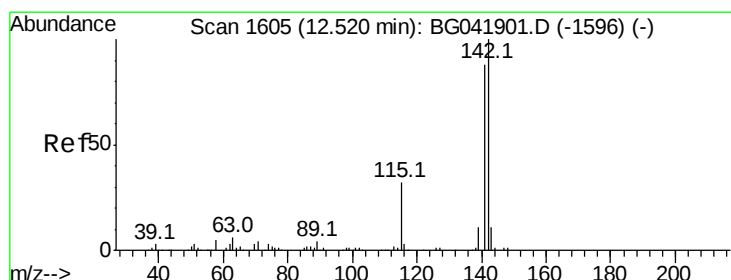
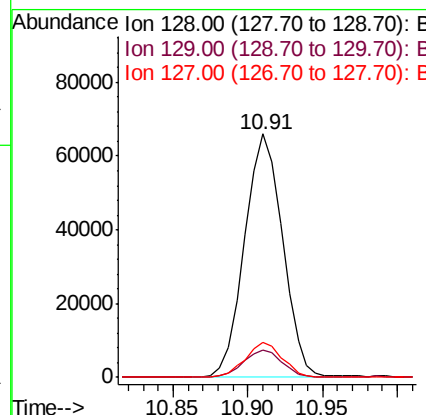
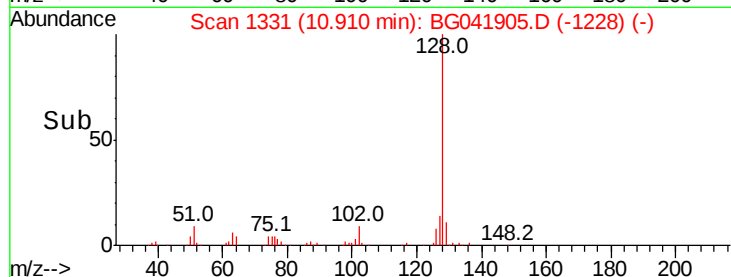
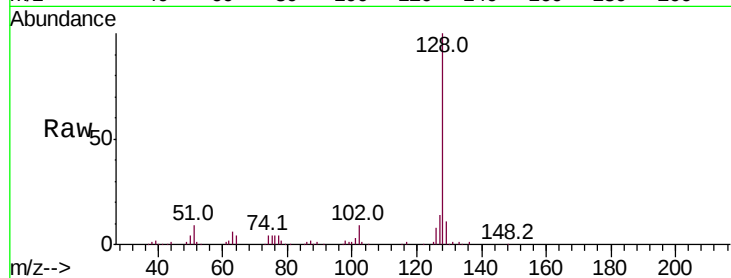
#28
Naphthalene
Concen: 4.913 ng/ul
RT: 10.91 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BG041905.D
Acq: 3 Aug 2019 12:05

Instrument :
BNA_G
ClientSampleId :
BENP0

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.5	14.3
127	14.2	11.4	17.0

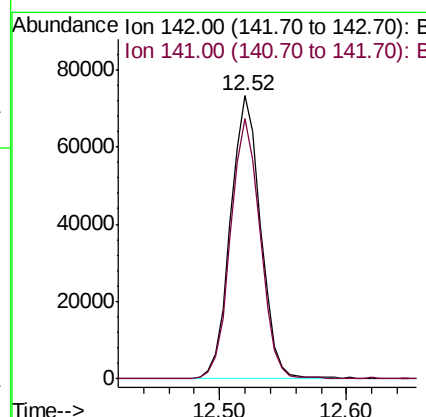
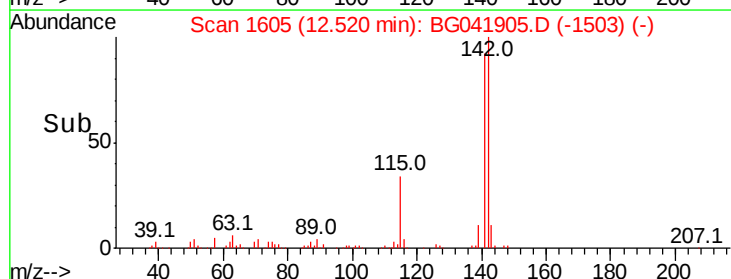
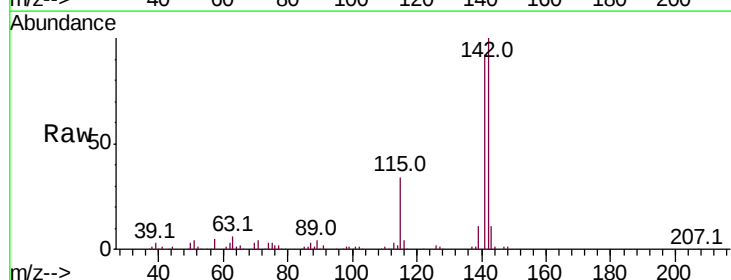
Manual Integrations
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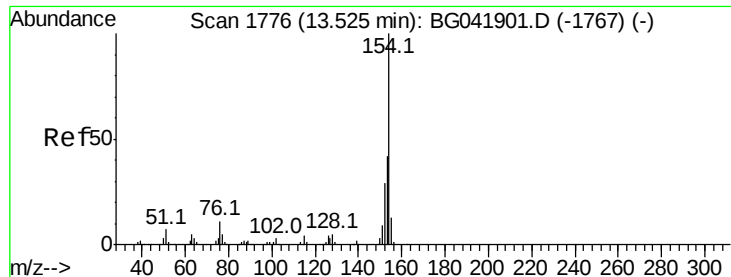
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#34
2-Methylnaphthalene
Concen: 6.342 ng/ul
RT: 12.52 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BG041905.D
Acq: 3 Aug 2019 12:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	72.9	109.3





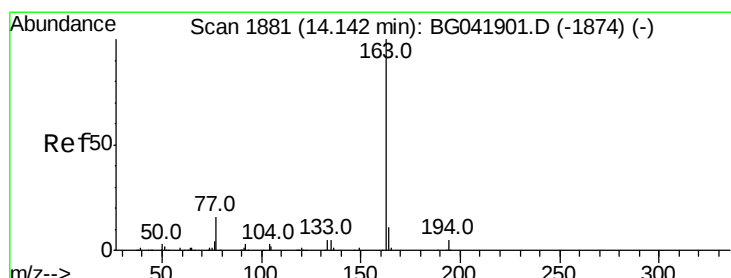
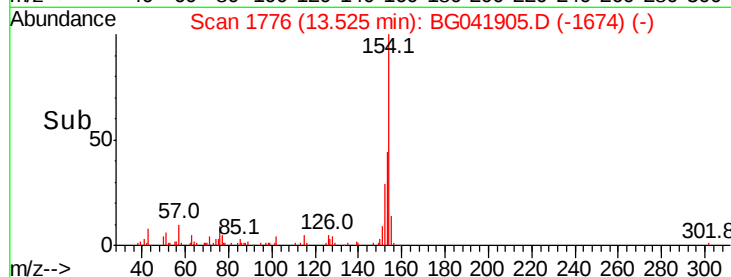
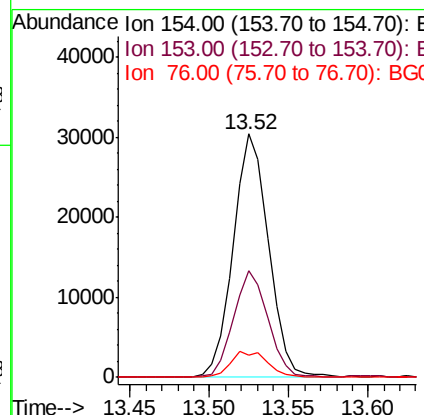
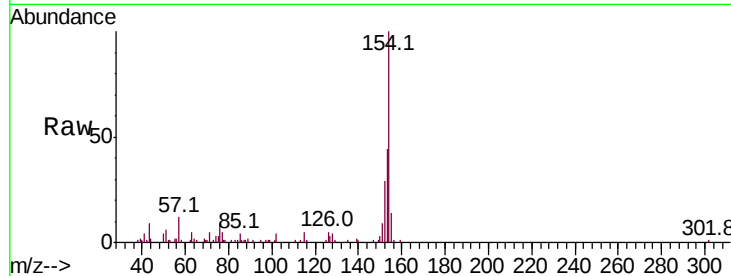
#40
1,1'-Biphenyl
Concen: 2.126 ng/ul
RT: 13.52 min Scan# 1776
Delta R.T. -0.00 min
Lab File: BG041905.D
Acq: 3 Aug 2019 12:05

Instrument :
BNA_G
ClientSampleId :
BENP0

Tot Ion:	154	Resp:	47111
Ion Ratio	Lower	Upper	
154	100		
153	43.8	32.6	48.8
76	9.2	8.6	13.0

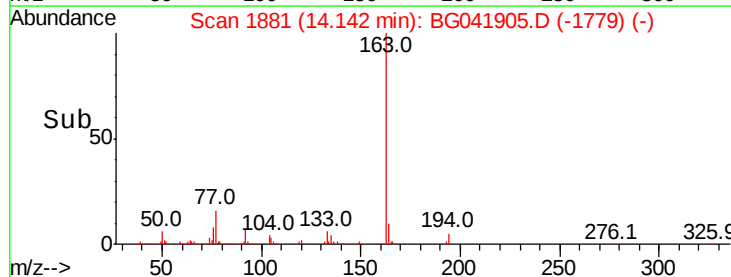
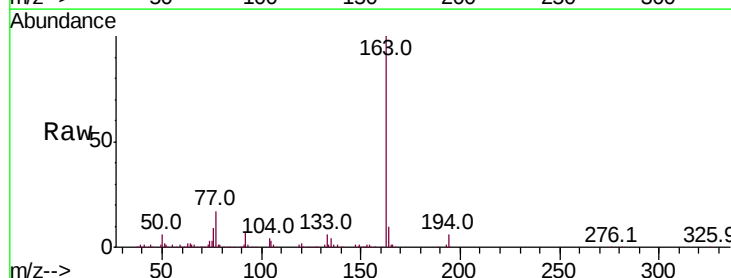
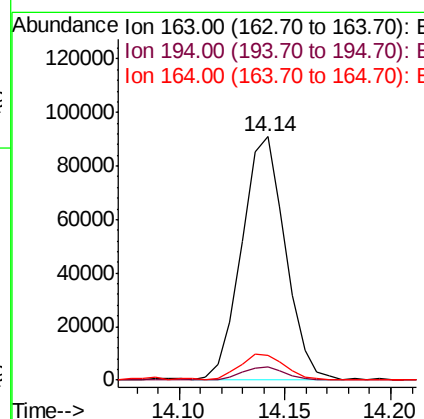
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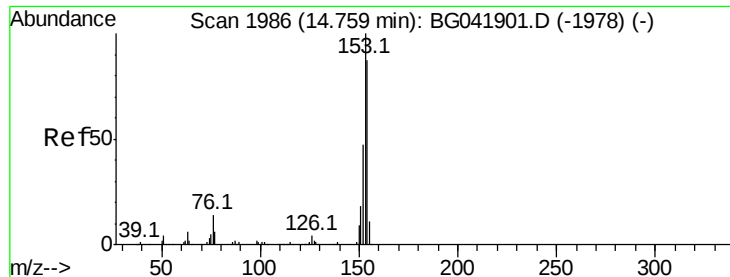
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#44
Dimethylphthalate
Concen: 5.539 ng/ul
RT: 14.14 min Scan# 1881
Delta R.T. -0.00 min
Lab File: BG041905.D
Acq: 3 Aug 2019 12:05

Tgt Ion:	163	Resp:	129961
Ion Ratio	Lower	Upper	
163	100		
194	5.5	4.2	6.2
164	10.4	7.8	11.8





#49

Acenaphthene

Concen: 16.206 ng/ul

RT: 14.76 min Scan# 1986

Delta R.T. -0.00 min

Lab File: BG041905.D

Acq: 3 Aug 2019 12:05

Instrument :

BNA_G

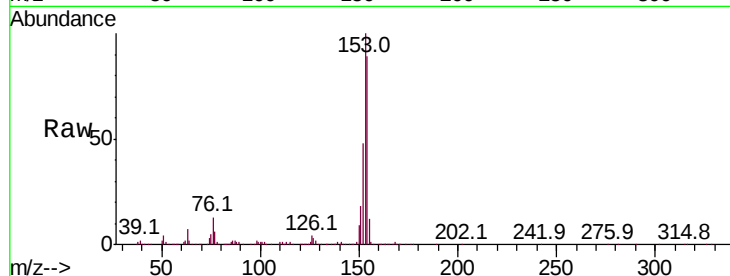
ClientSampleId :

BENP0

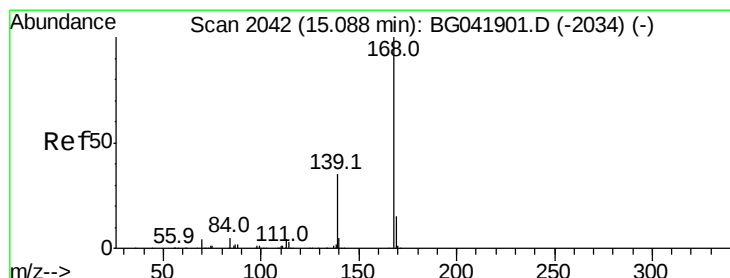
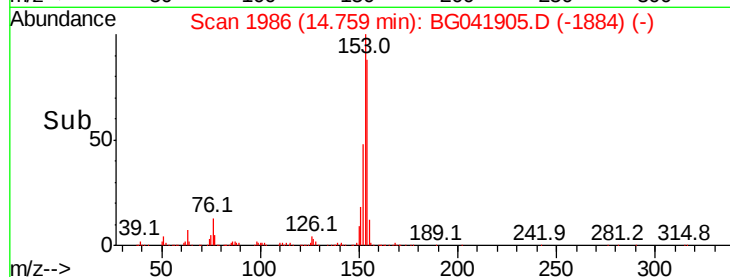
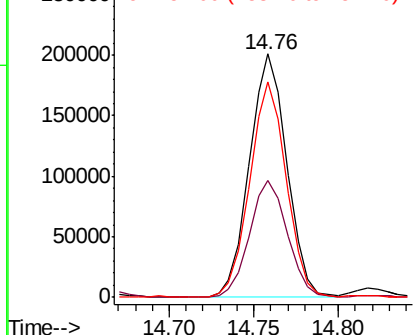
Tot Ion:	153	Resp:	308763
Ion Ratio	Lower	Upper	
153	100		
152	47.8	37.8	56.8
154	88.5	69.4	104.2

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 6.901 ng/ul

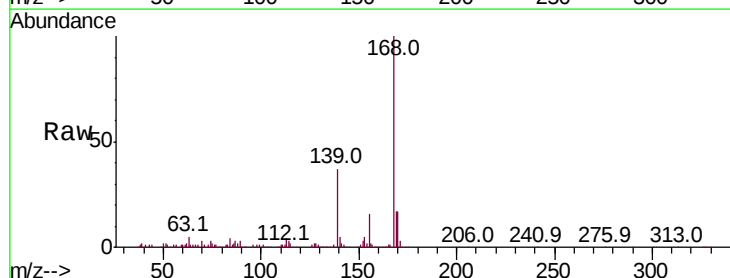
RT: 15.09 min Scan# 2043

Delta R.T. 0.01 min

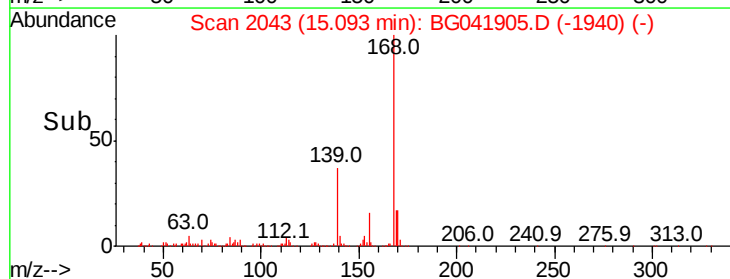
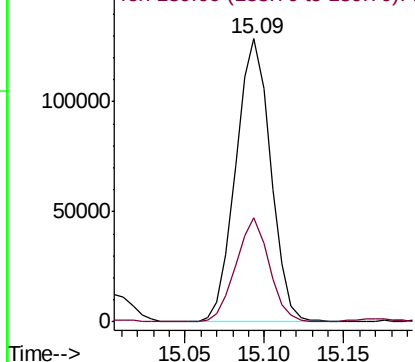
Lab File: BG041905.D

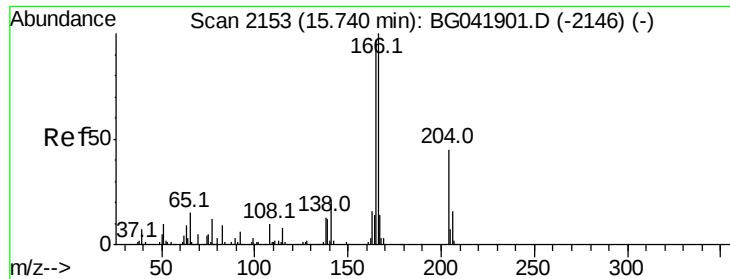
Acq: 3 Aug 2019 12:05

Tgt Ion:	168	Resp:	196213
Ion Ratio	Lower	Upper	
168	100		
139	36.9	27.3	40.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





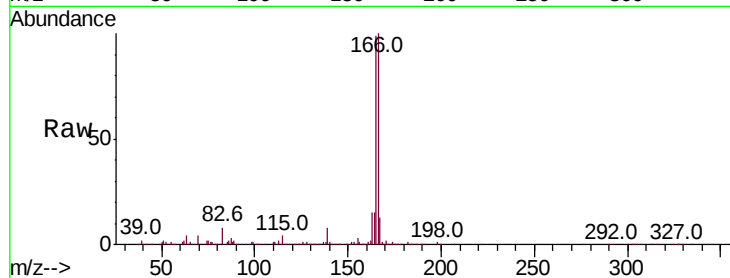
#58
 Fluorene
 Concen: 12.043 ng/ul
 RT: 15.75 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: BG041905.D
 Acq: 3 Aug 2019 12:05

Instrument :
 BNA_G
 ClientSampleID :
 BENP0

Tot Ion	Ratio	Resp	Lower	Upper
166	100	275824		
165	98.9		81.1	121.7
167	13.5		11.0	16.4

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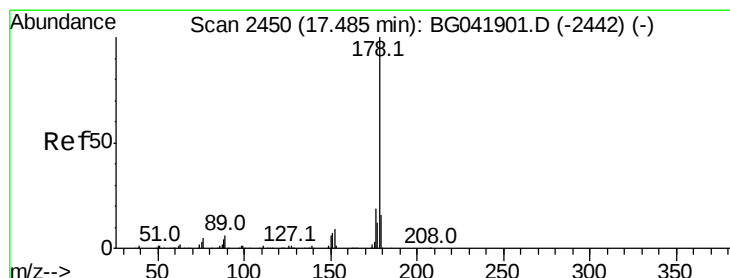
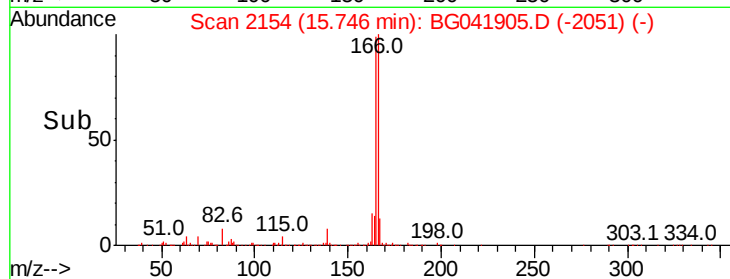
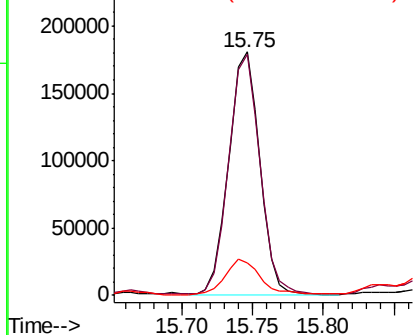


Abundance

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: 77.980 ng/ul m
 RT: 17.50 min Scan# 2452
 Delta R.T. 0.01 min
 Lab File: BG041905.D
 Acq: 3 Aug 2019 12:05

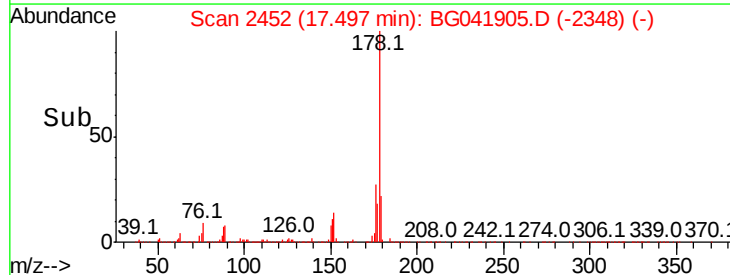
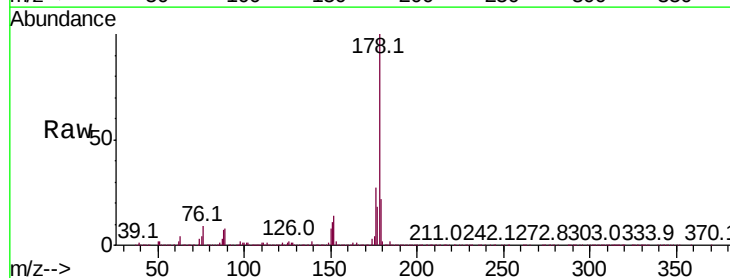
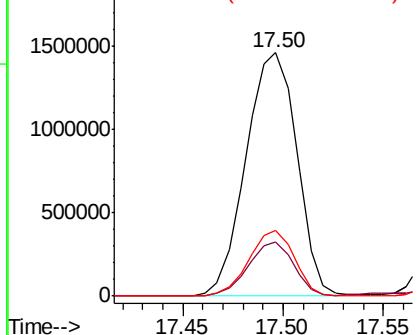
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2577865		
179	22.5		12.8	19.2#
176	27.1		15.4	23.2#

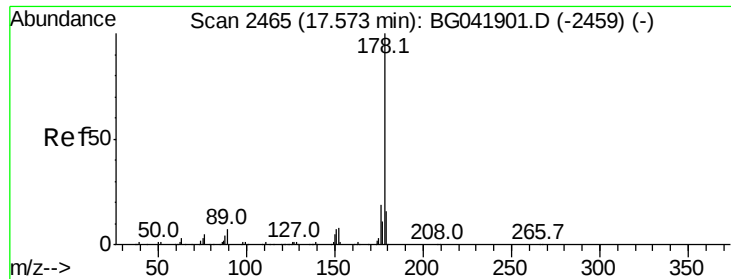
Abundance

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: 24.345 ng/ul

RT: 17.58 min Scan# 2467

Delta R.T. 0.01 min

Lab File: BG041905.D

Acq: 3 Aug 2019 12:05

Instrument :

BNA_G

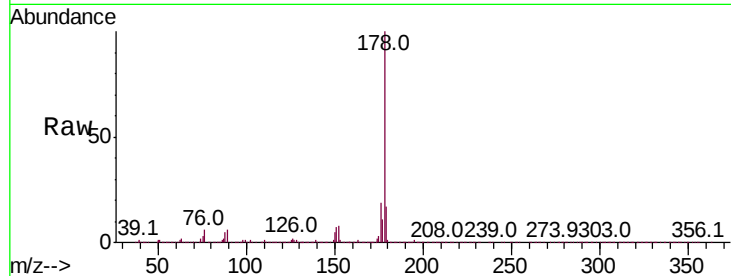
ClientSampleId :

BENP0

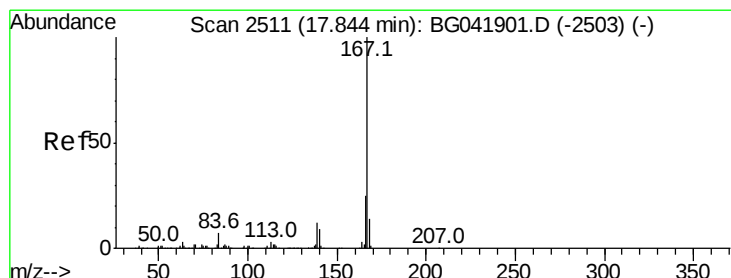
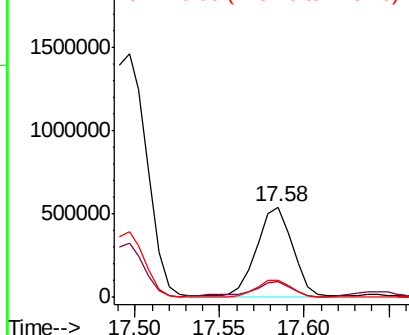
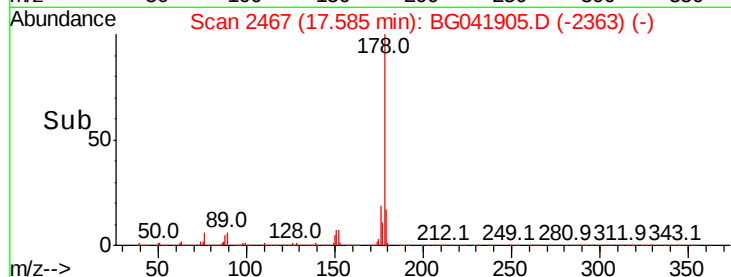
Tot Ion:178	Resp:	816257
Ion Ratio	Lower	Upper
178	100	
179	17.0	13.4 20.0
176	18.9	15.4 23.2

Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
2000000
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#74

Carbazole

Concen: 5.583 ng/ul

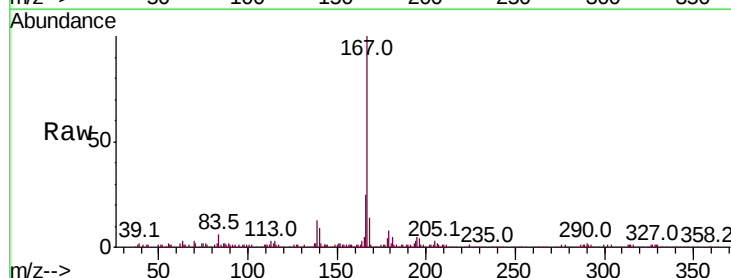
RT: 17.84 min Scan# 2511

Delta R.T. -0.00 min

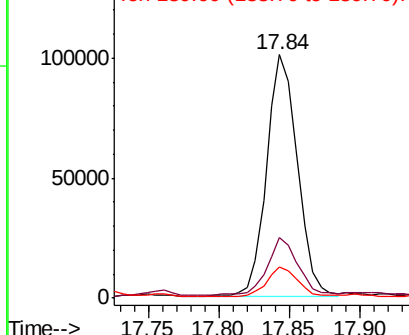
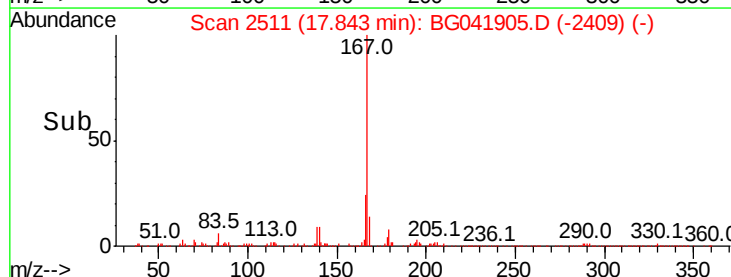
Lab File: BG041905.D

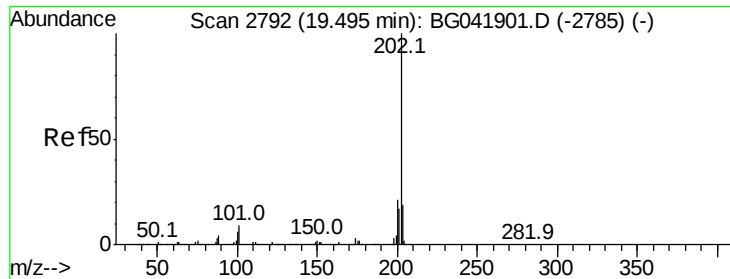
Acq: 3 Aug 2019 12:05

Tgt Ion:167	Resp:	155062
Ion Ratio	Lower	Upper
167	100	
166	24.7	18.2 27.4
139	13.0	9.6 14.4



Abundance Ion 167.00 (166.70 to 167.70): E
100000
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





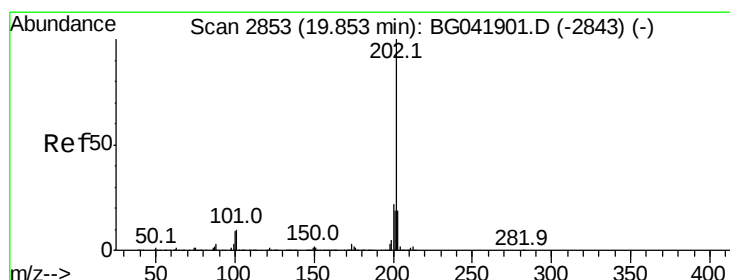
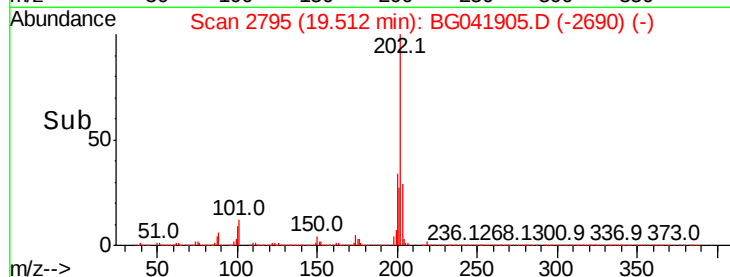
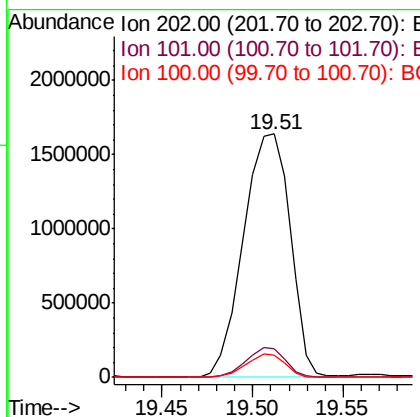
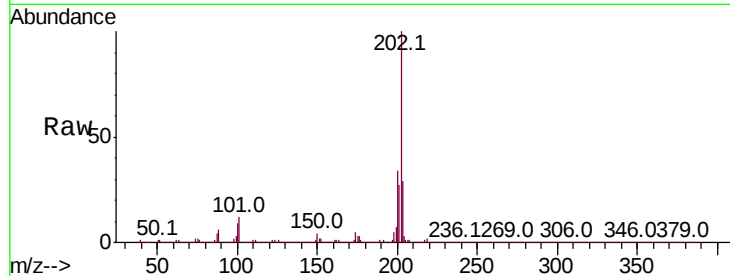
#76
Fluoranthene
Concen: 76.873 ng/ul
RT: 19.51 min Scan# 2795
Delta R.T. 0.02 min
Lab File: BG041905.D
Acq: 3 Aug 2019 12:05

Instrument :
BNA_G
ClientSampleId :
BENP0

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.9	6.7	10.1#
100	9.1	5.3	7.9#

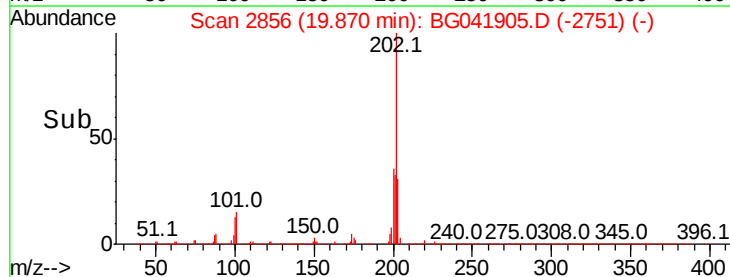
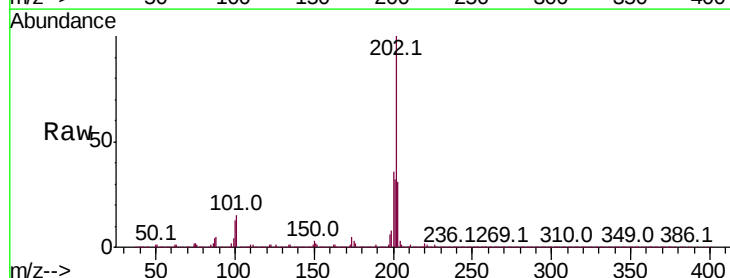
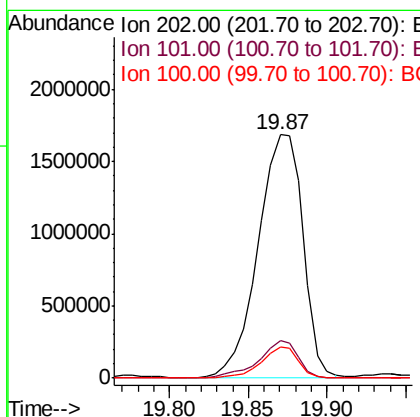
Manual Integrations
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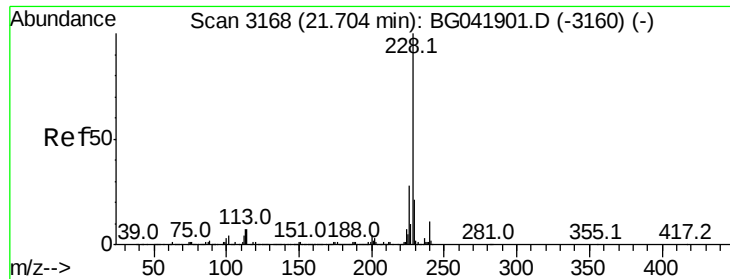
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#79
Pyrene
Concen: 82.146 ng/ul m
RT: 19.87 min Scan# 2856
Delta R.T. 0.02 min
Lab File: BG041905.D
Acq: 3 Aug 2019 12:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.4	7.6	11.4#
100	12.9	6.5	9.7#





#82

Benzo(a)anthracene

Concen: 54.468 ng/ul

RT: 21.72 min Scan# 3171

Delta R.T. 0.02 min

Lab File: BG041905.D

Acq: 3 Aug 2019 12:05

Instrument :

BNA_G

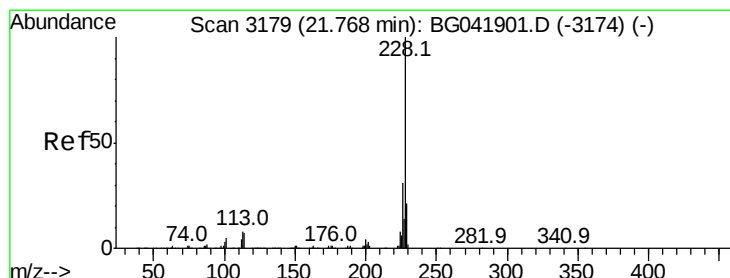
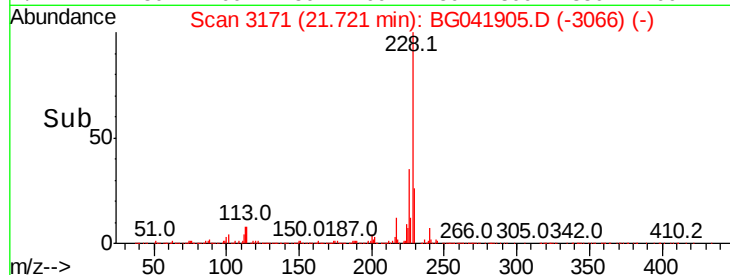
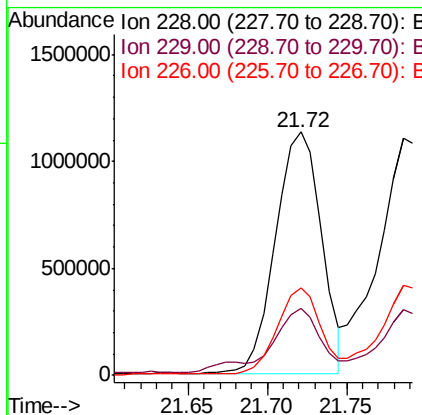
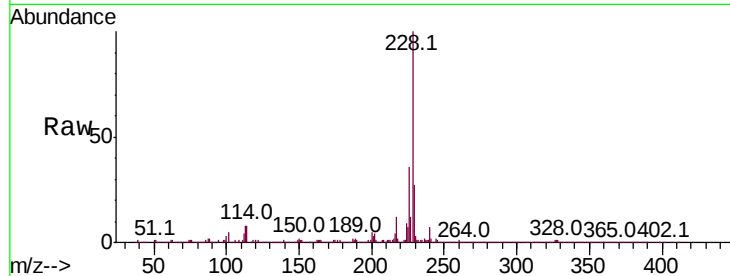
ClientSampled :

BENP0

Tot Ion:	228	Resp:	2280417
Ion	Ratio	Lower	Upper
228	100		
229	27.3	17.0	25.6#
226	36.0	23.3	34.9#

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#84

Chrysene

Concen: 59.335 ng/ul

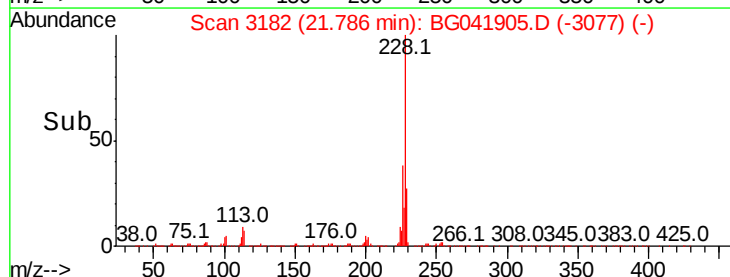
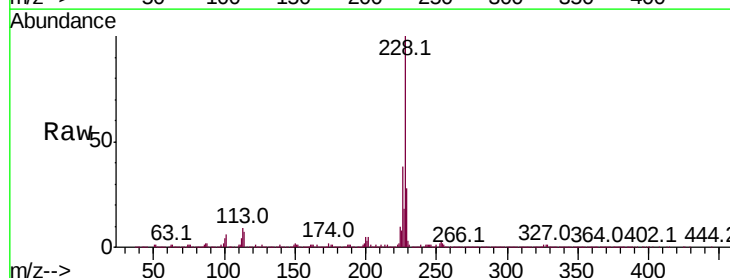
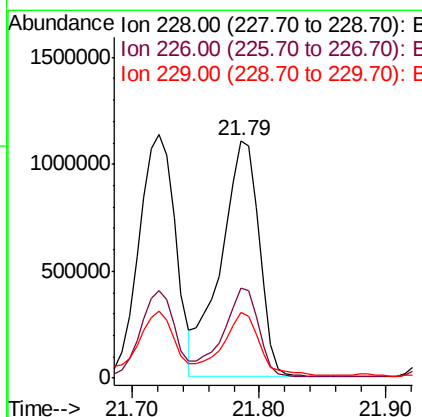
RT: 21.79 min Scan# 3182

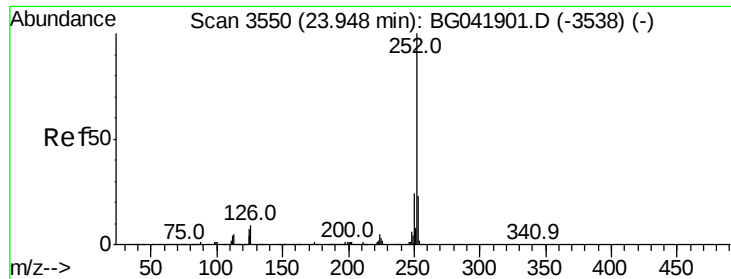
Delta R.T. 0.02 min

Lab File: BG041905.D

Acq: 3 Aug 2019 12:05

Tgt Ion:	228	Resp:	2318618
Ion	Ratio	Lower	Upper
228	100		
226	38.1	25.7	38.5
229	27.9	16.6	24.8#





#87

Benzo(b)fluoranthene

Concen: 55.216 ng/ul

RT: 23.99 min Scan# 3557

Delta R.T. 0.04 min

Lab File: BG041905.D

Acq: 3 Aug 2019 12:05

Instrument :

BNA_G

ClientSampleId :

BENP0

Tot Ion:252 Resp: 2436527

Ion Ratio Lower Upper

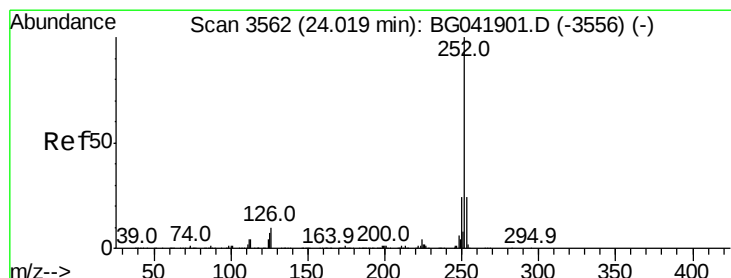
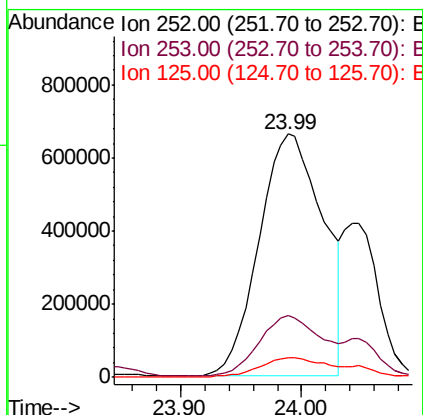
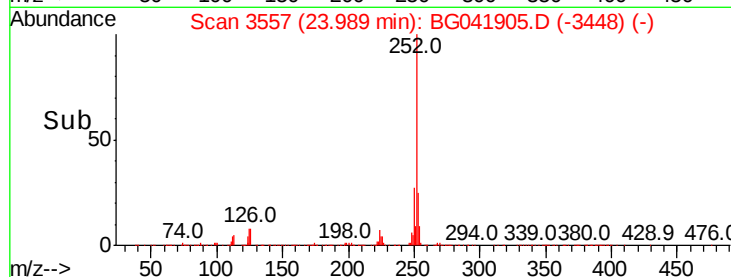
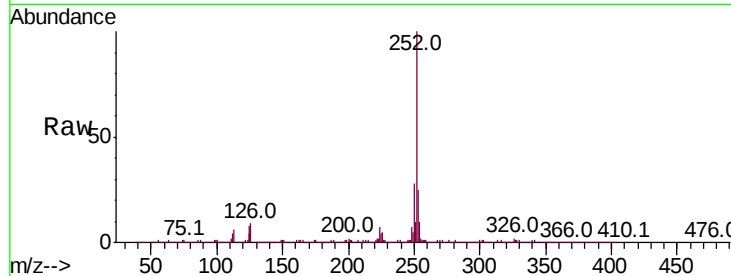
252 100

253 25.4 18.4 27.6

125 7.9 5.8 8.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 19.786 ng/ul m

RT: 24.04 min Scan# 3566

Delta R.T. 0.02 min

Lab File: BG041905.D

Acq: 3 Aug 2019 12:05

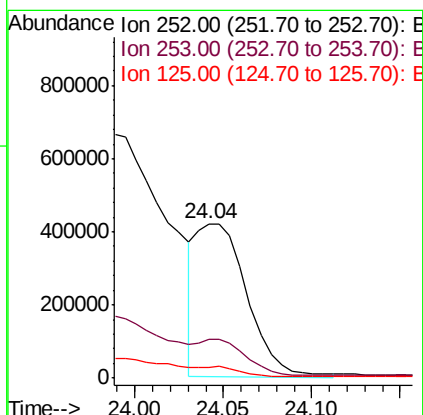
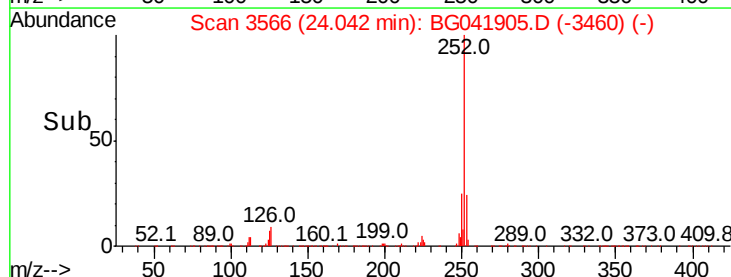
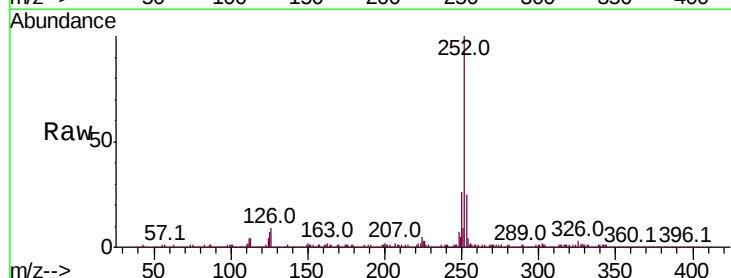
Tgt Ion:252 Resp: 839491

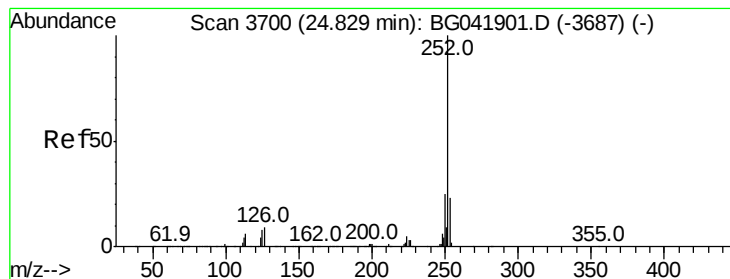
Ion Ratio Lower Upper

252 100

253 25.3 18.3 27.5

125 7.3 5.5 8.3





#90

Benzo(a)pyrene

Concen: 47.610 ng/ul

RT: 24.88 min Scan# 3708

Delta R.T. 0.05 min

Lab File: BG041905.D

Acq: 3 Aug 2019 12:05

Instrument :

BNA_G

ClientSampled :

BENP0

Tot Ion:252 Resp: 2001960

Ion Ratio Lower Upper

252 100

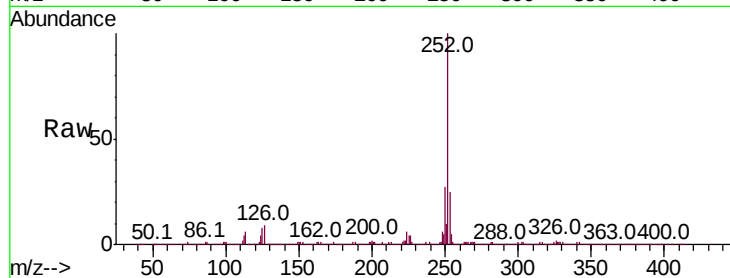
253 25.0 18.3 27.5

125 7.8 6.5 9.7

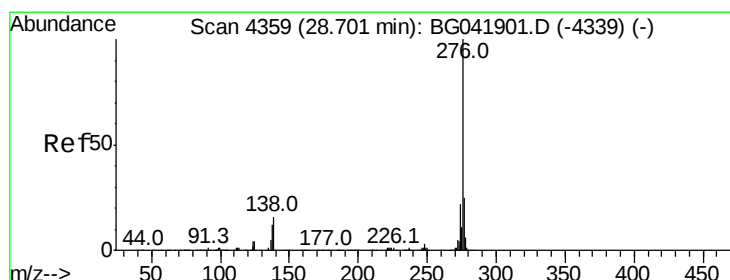
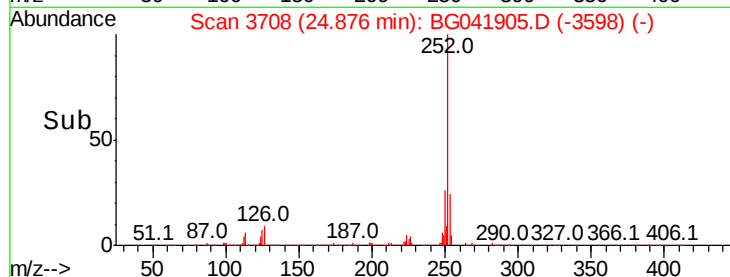
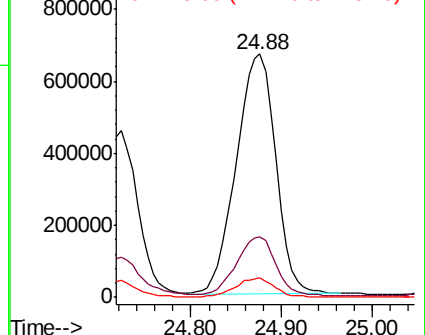
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Indeno(1,2,3-cd)pyrene

Concen: 17.892 ng/ul

RT: 28.78 min Scan# 4372

Delta R.T. 0.08 min

Lab File: BG041905.D

Acq: 3 Aug 2019 12:05

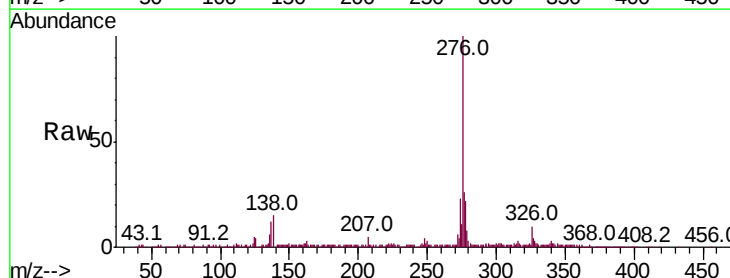
Tgt Ion:276 Resp: 877529

Ion Ratio Lower Upper

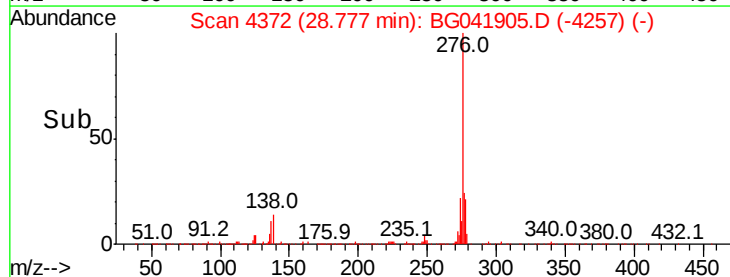
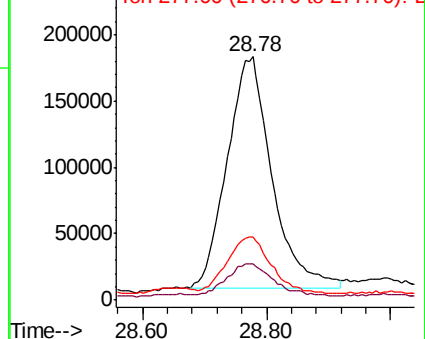
276 100

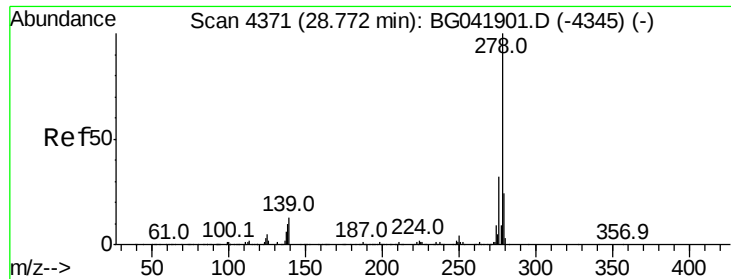
138 15.0 12.0 18.0

277 25.7 19.2 28.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 6.807 ng/ul

RT: 28.81 min Scan# 4377

Delta R.T. 0.03 min

Lab File: BG041905.D

Acq: 3 Aug 2019 12:05

Instrument :

BNA_G

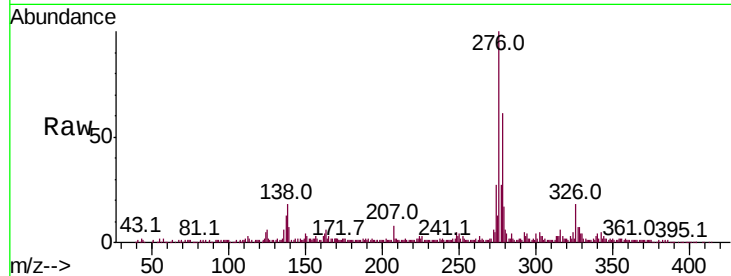
ClientSampleId :

BENP0

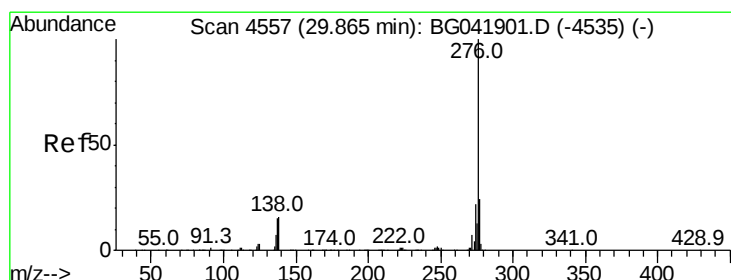
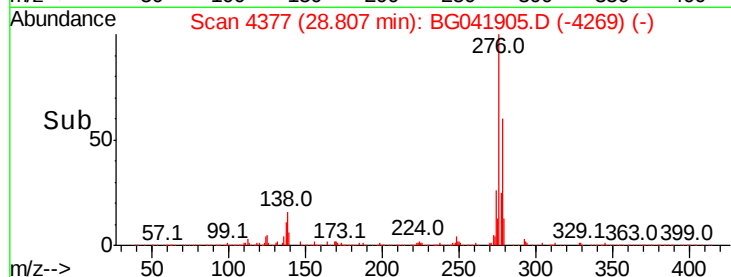
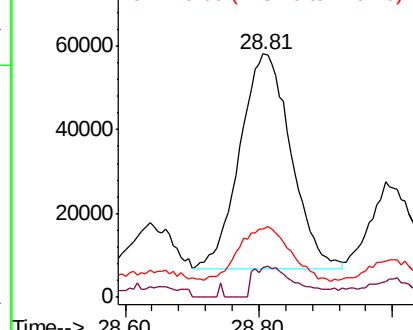
Tot Ion:	278	Resp:	272318
Ion Ratio	Lower	Upper	
278	100		
139	12.3	9.4	14.0
279	28.1	19.2	28.8

Manual Integrations
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 19.572 ng/ul

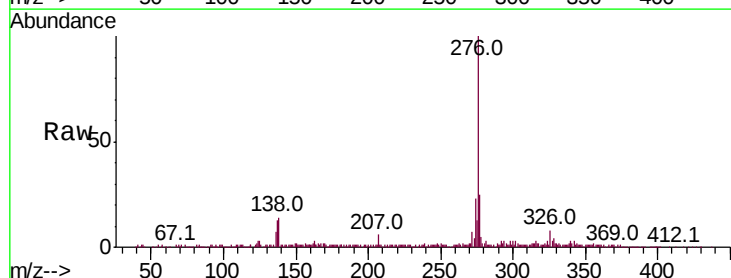
RT: 29.94 min Scan# 4570

Delta R.T. 0.08 min

Lab File: BG041905.D

Acq: 3 Aug 2019 12:05

Tgt Ion:	276	Resp:	801436
Ion Ratio	Lower	Upper	
276	100		
138	14.4	12.6	18.8
277	25.3	19.2	28.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

