

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
 Data File : BG042197.D
 Acq On : 14 Aug 2019 6:07
 Operator : HP/JU
 Sample : K4304-03
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB5N4

Manual Integrations
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Quant Time: Aug 14 08:49:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 08:30:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	89662	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	365789	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	249668	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	509089	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	497446	20.00	ng/ul	0.00
85) Perylene-d12	24.99	264	607801	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	7409	3.62	ng/uL	0.00
5) Phenol-d5	7.18	99	171508	24.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	86898	22.08	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	153540	25.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	138248	23.40	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	78901	28.65	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	98458	30.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	178054	27.59	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	210039	29.33	ng/ul	0.00
43) Dimethylphthalate-d6	14.08	166	539370	27.85	ng/ul	0.00
46) Acenaphthylene-d8	14.37	160	636649	28.78	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	73044	22.47	ng/ul	0.00
57) Fluorene-d10	15.68	176	474368	27.54	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	72964	22.34	ng/ul	0.00
70) Anthracene-d10	17.54	188	698149	28.58	ng/ul	0.00
78) Pyrene-d10	19.83	212	803256	28.94	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	933649	29.40	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.90	128	36551	1.955	ng/ul	96
34) 2-Methylnaphthalene	12.51	142	16373	1.102	ng/ul	94
44) Dimethylphthalate	14.13	163	40186	2.090	ng/ul	99
49) Acenaphthene	14.75	153	25796	1.653	ng/ul	98
53) Dibenzofuran	15.09	168	29419	1.263	ng/ul	100
58) Fluorene	15.73	166	35022	1.866	ng/ul#	97
69) Phenanthrene	17.48	178	646143	23.184	ng/ul	98
71) Anthracene	17.57	178	163176	5.773	ng/ul	98
74) Carbazole	17.84	167	44123	1.884	ng/ul	99
76) Fluoranthene	19.49	202	1126195	34.973	ng/ul	100
79) Pyrene	19.86	202	925727	27.666	ng/ul	99
82) Benzo(a)anthracene	21.70	228	573571	16.630	ng/ul	99
84) Chrysene	21.77	228	512472	15.920	ng/ul	99
87) Benzo(b)fluoranthene	23.95	252	688765	18.058	ng/ul	100
88) Benzo(k)fluoranthene	24.02	252	235561m	6.423	ng/ul	
90) Benzo(a)pyrene	24.84	252	445321	12.252	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	28.72	276	256208	6.043	ng/ul	98
92) Dibenzo(a,h)anthracene	28.76	278	78242m	2.263	ng/ul	
93) Benzo(g,h,i)perylene	29.89	276	208330	5.886	ng/ul#	94

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

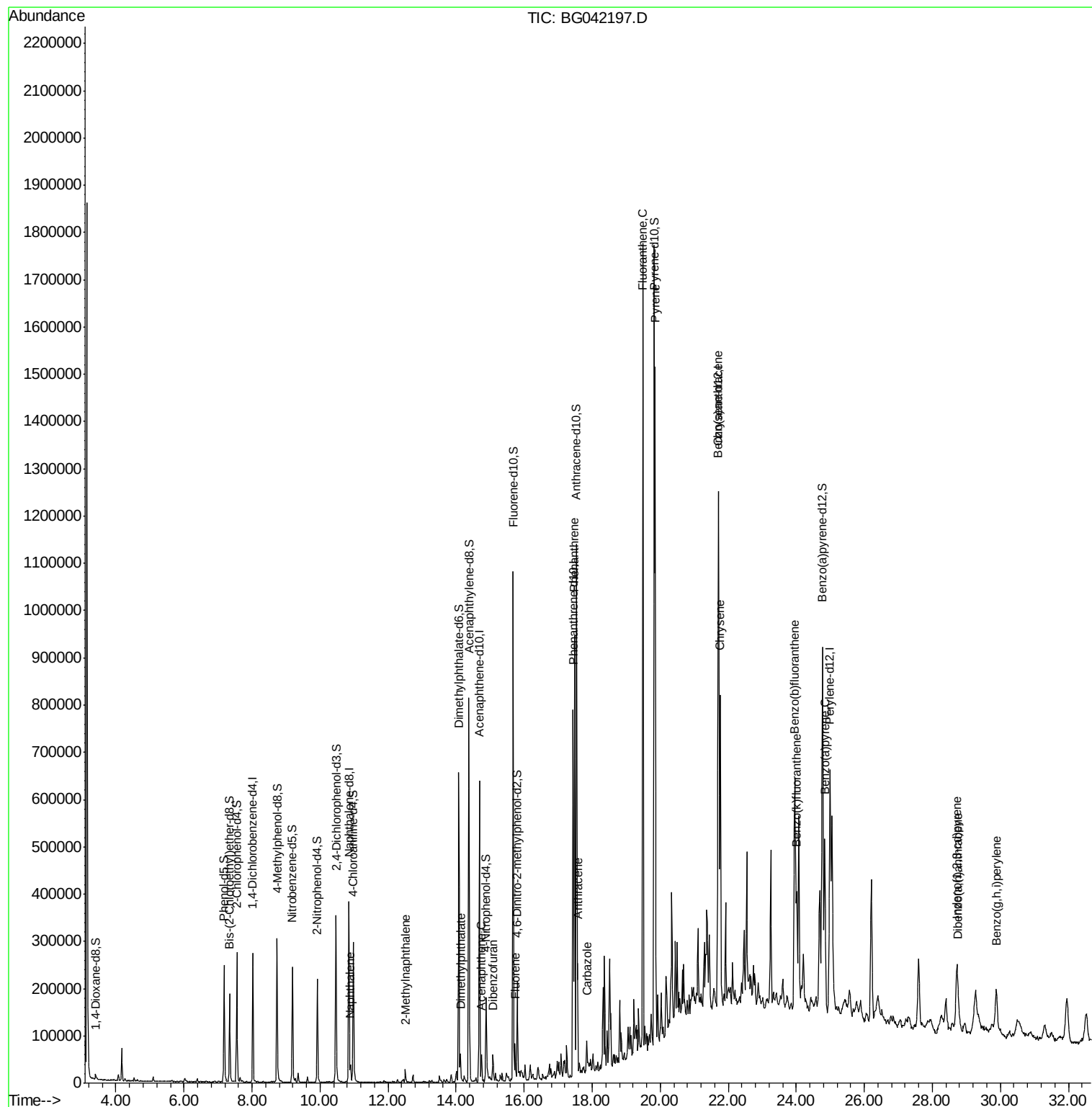
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042197.D
Acq On : 14 Aug 2019 6:07
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Sample : K4304-03
Misc :
ALS Vial : 59 Sample Multiplier: 1

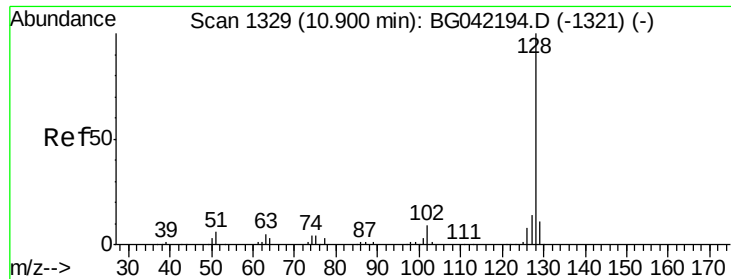
Instrument :
BNA_G
ClientSampled :
CB5N4

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Quant Time: Aug 14 08:49:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
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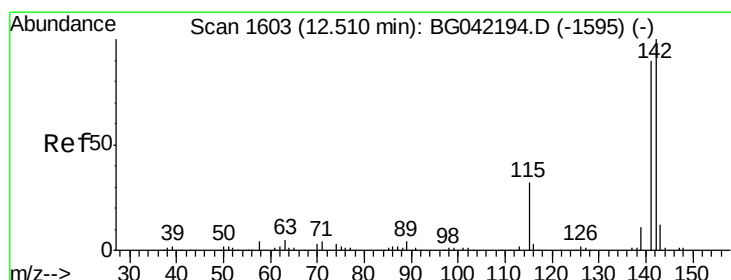
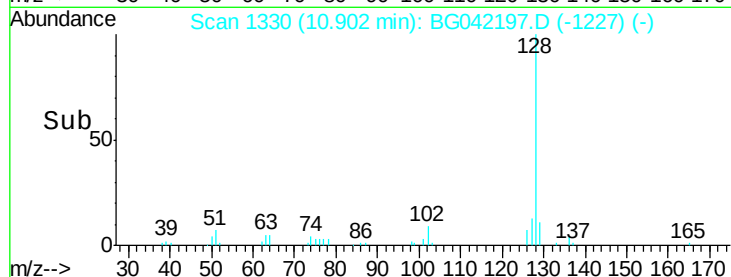
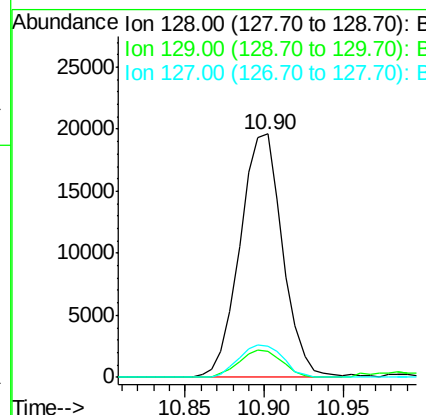
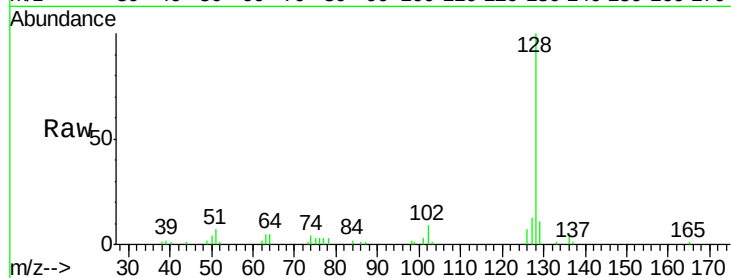
#28
Naphthalene
Concen: 1.955 ng/ul
RT: 10.90 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BG042197.D
Acq: 14 Aug 2019 6:07

Instrument :
BNA_G
ClientSampled :
CB5N4

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.5	14.3
127	12.7	11.4	17.0

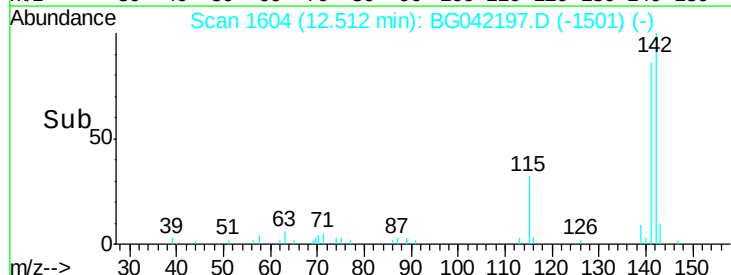
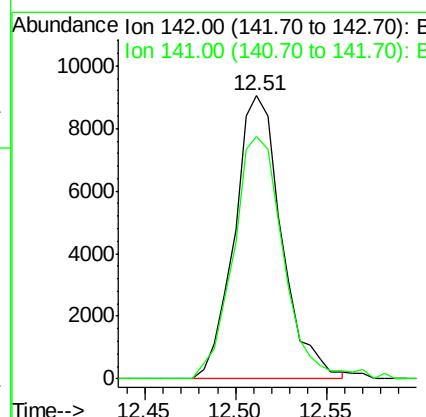
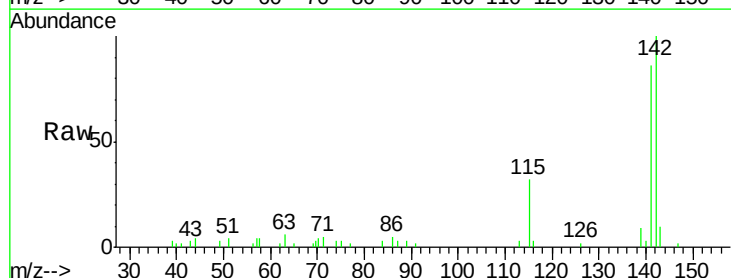
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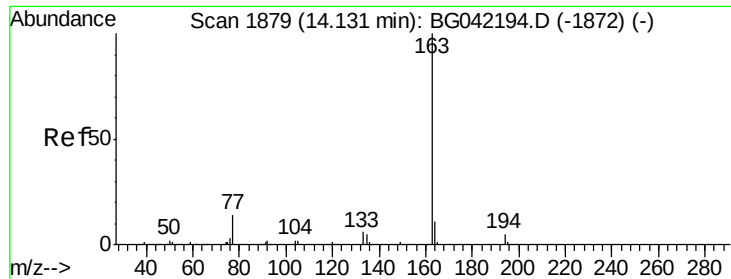
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#34
2-Methylnaphthalene
Concen: 1.102 ng/ul
RT: 12.51 min Scan# 1604
Delta R.T. 0.00 min
Lab File: BG042197.D
Acq: 14 Aug 2019 6:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.7	72.9	109.3





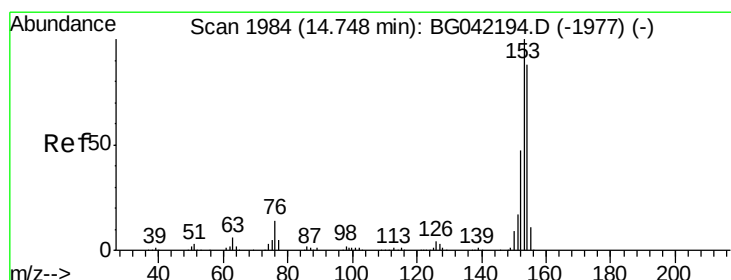
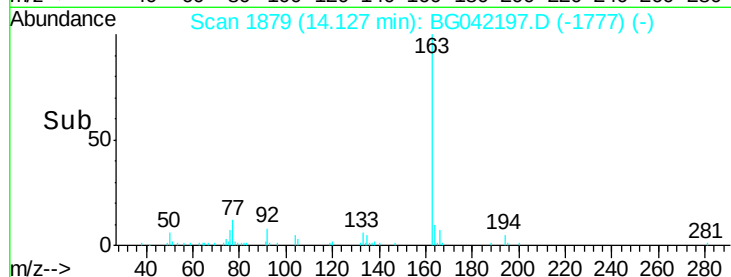
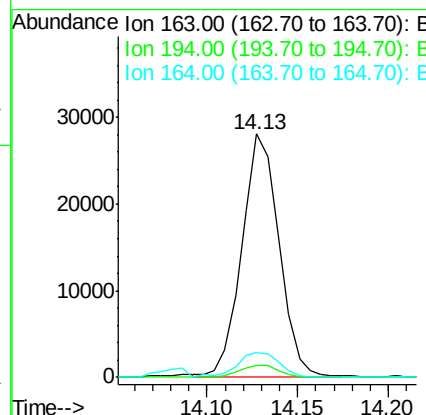
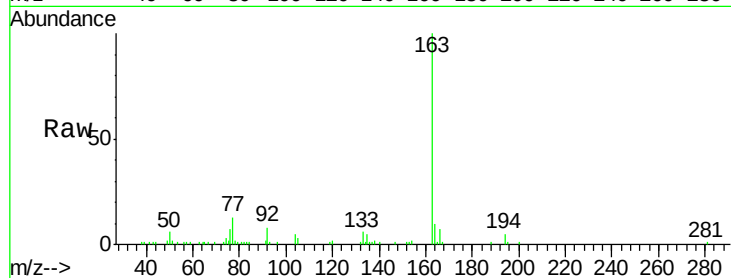
#44
Dimethylphthalate
Concen: 2.090 ng/ul
RT: 14.13 min Scan# 1879
Delta R.T. -0.00 min
Lab File: BG042197.D
Acq: 14 Aug 2019 6:07

Instrument :
BNA_G
ClientSampleId :
CB5N4

Tot Ion	Ratio	Resp	Lower	Upper
163	100	40186		
194	4.9		4.2	6.2
164	10.2		7.8	11.8

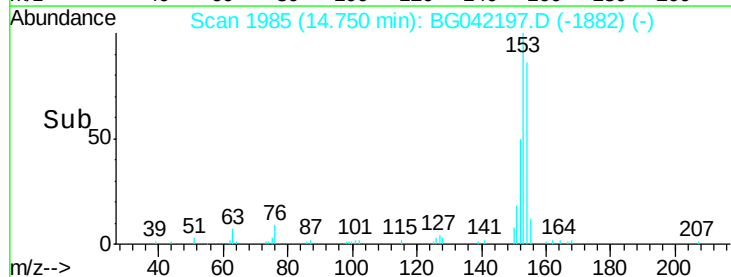
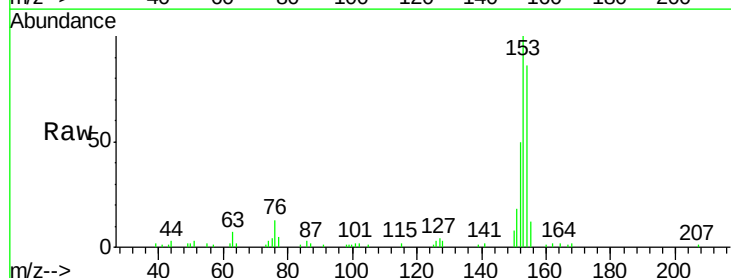
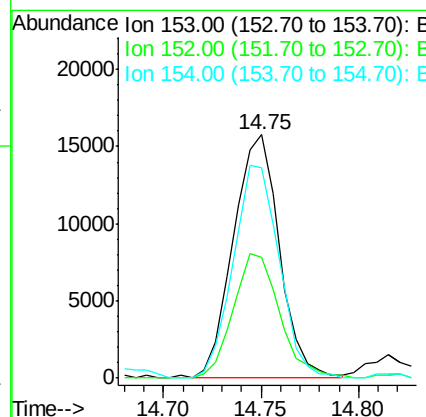
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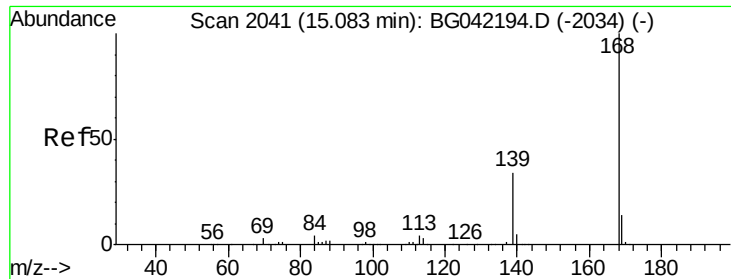
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#49
Acenaphthene
Concen: 1.653 ng/ul
RT: 14.75 min Scan# 1985
Delta R.T. 0.00 min
Lab File: BG042197.D
Acq: 14 Aug 2019 6:07

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	25796		
152	49.8		37.8	56.8
154	86.5		69.4	104.2





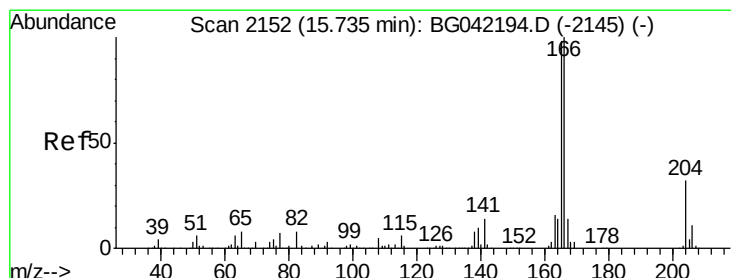
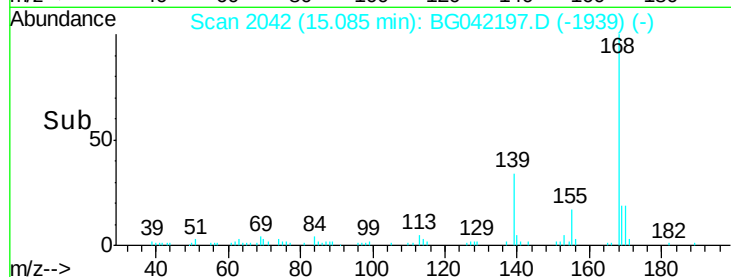
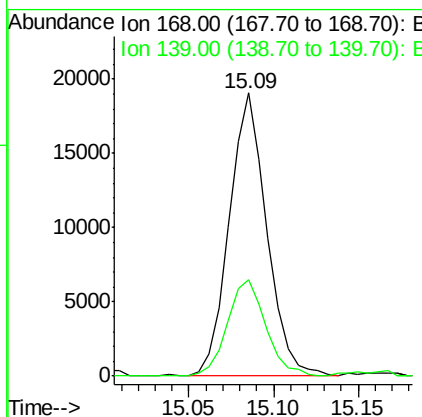
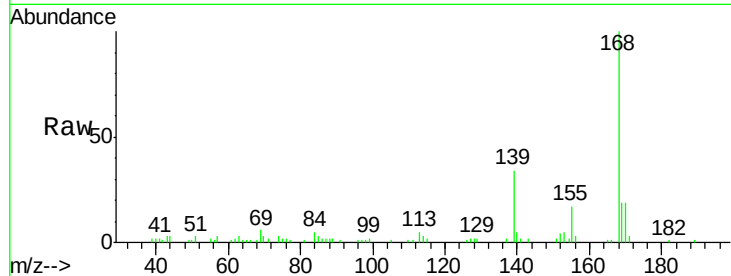
#53
Dibenzenofuran
Concen: 1.263 ng/ul
RT: 15.09 min Scan# 2042
Delta R.T. 0.00 min
Lab File: BG042197.D
Acq: 14 Aug 2019 6:07

Instrument :
BNA_G
ClientSampleId :
CB5N4

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.1	27.3	40.9

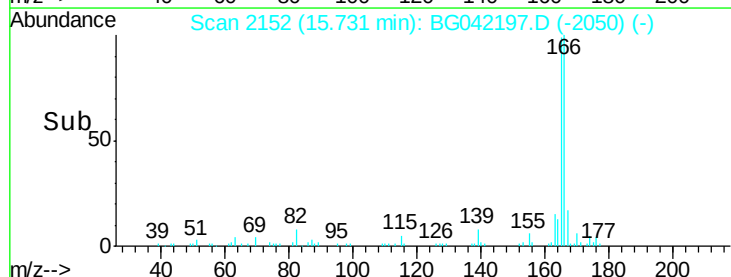
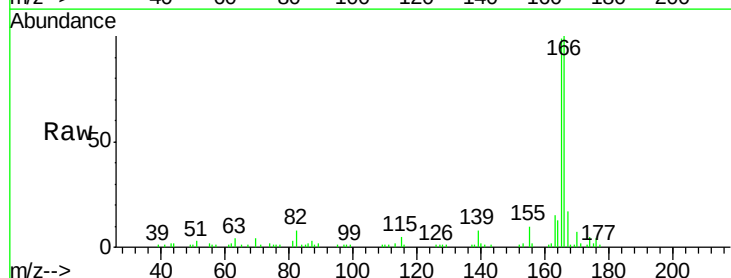
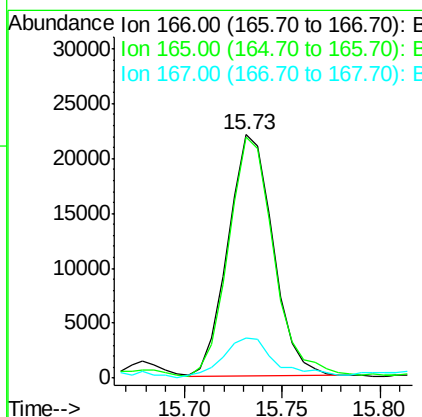
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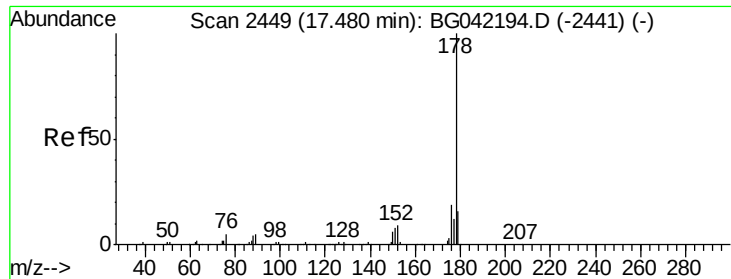
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#58
Fluorene
Concen: 1.866 ng/ul
RT: 15.73 min Scan# 2152
Delta R.T. -0.00 min
Lab File: BG042197.D
Acq: 14 Aug 2019 6:07

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.8	81.1	121.7
167	16.6	11.0	16.4#





#69

Phenanthrene

Concen: 23.184 ng/ul

RT: 17.48 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BG042197.D

Acq: 14 Aug 2019 6:07

Instrument :

BNA_G

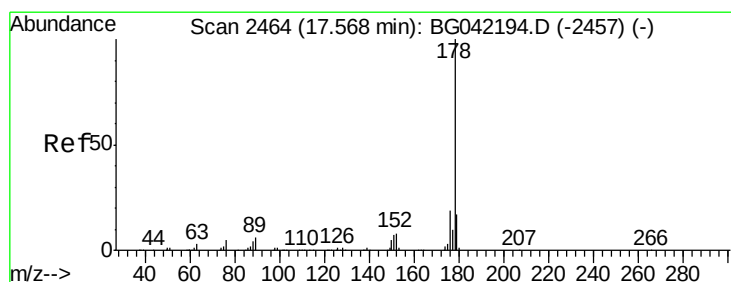
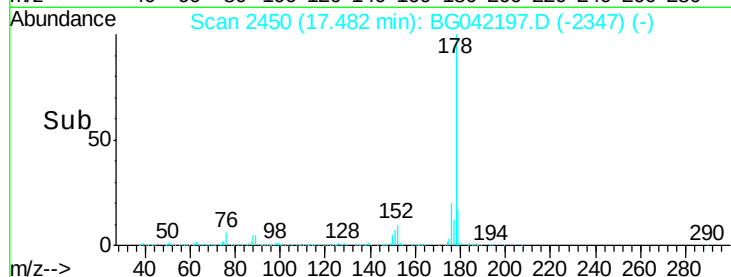
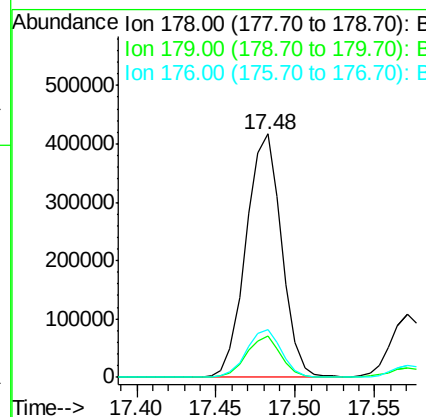
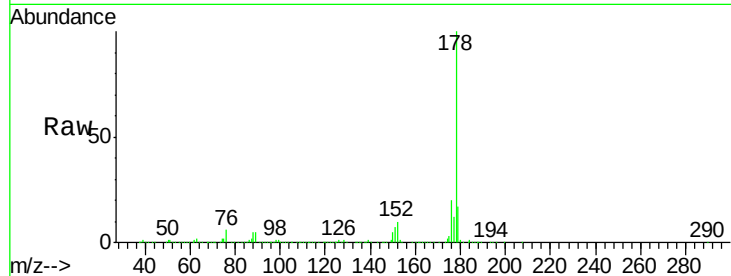
ClientSampleId :

CB5N4

Tot Ion:	178	Resp:	646143
Ion Ratio	Lower	Upper	
178	100		
179	16.9	12.8	19.2
176	19.8	15.4	23.2

Manual Integrations
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#71

Anthracene

Concen: 5.773 ng/ul

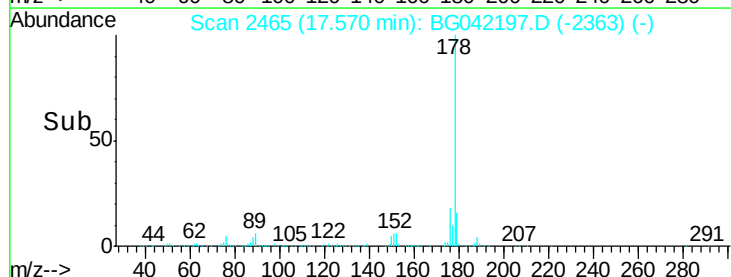
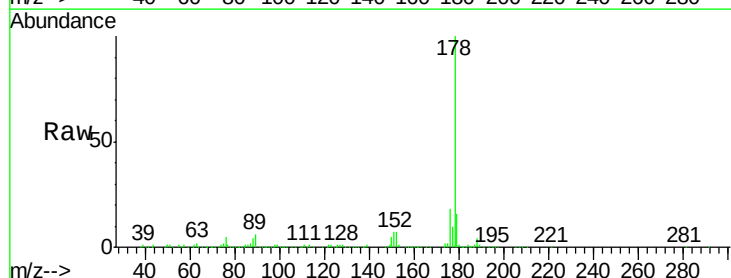
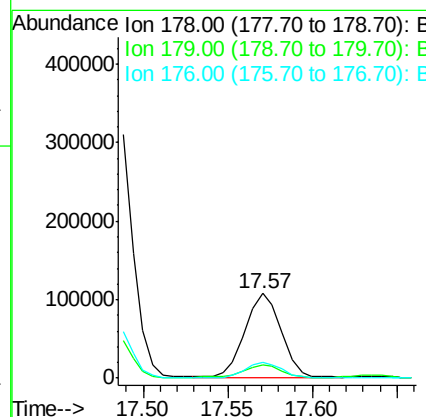
RT: 17.57 min Scan# 2465

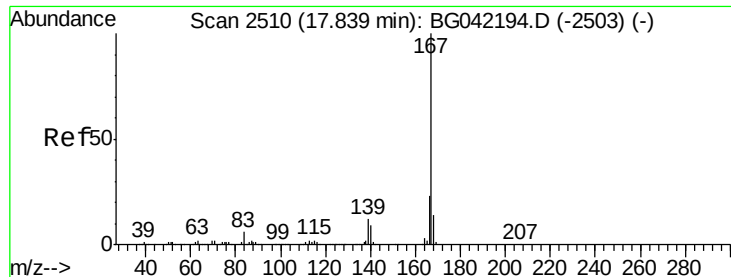
Delta R.T. -0.00 min

Lab File: BG042197.D

Acq: 14 Aug 2019 6:07

Tgt Ion:	178	Resp:	163176
Ion Ratio	Lower	Upper	
178	100		
179	15.8	13.4	20.0
176	18.3	15.4	23.2





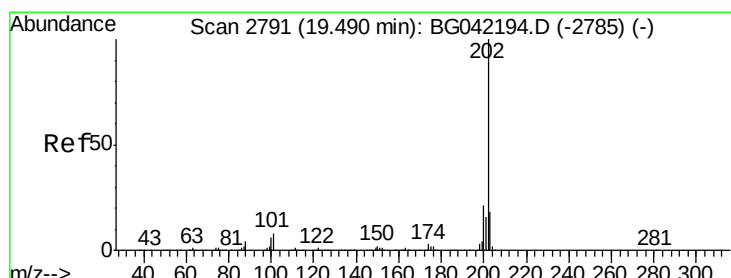
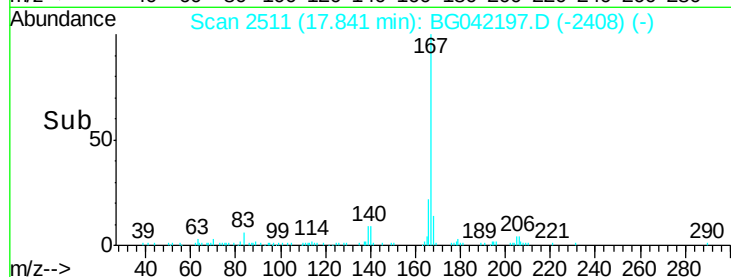
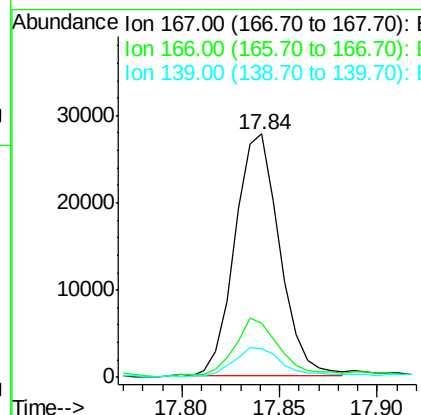
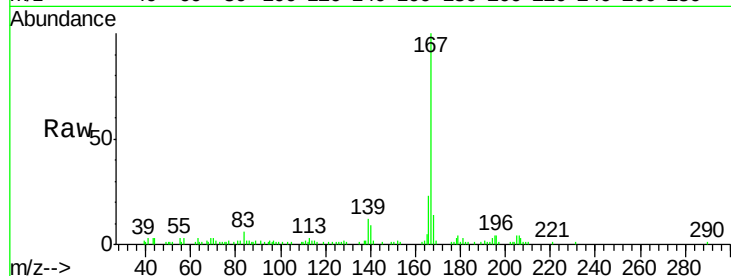
#74
 Carbazole
 Concen: 1.884 ng/ul
 RT: 17.84 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: BG042197.D
 Acq: 14 Aug 2019 6:07

Instrument :
 BNA_G
 ClientSampleId :
 CB5N4

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.5	18.2	27.4
139	11.7	9.6	14.4

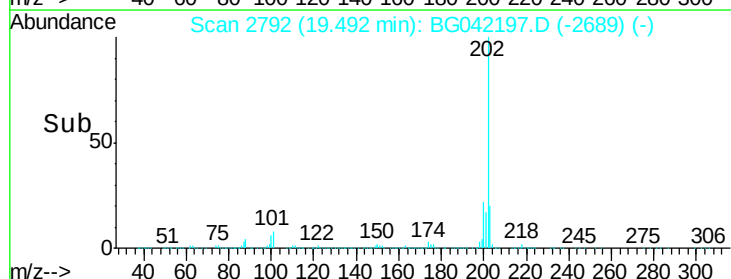
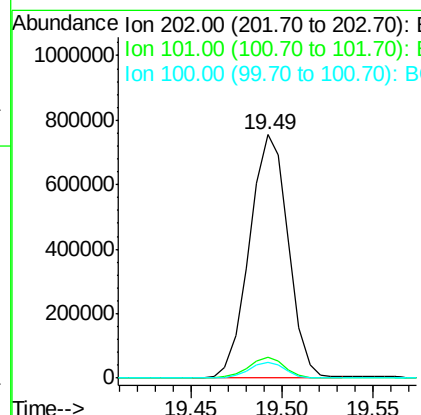
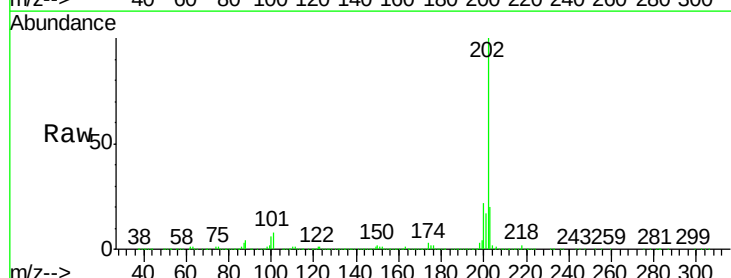
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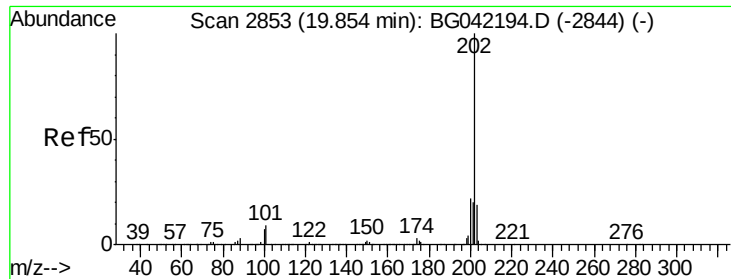
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#76
 Fluoranthene
 Concen: 34.973 ng/ul
 RT: 19.49 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: BG042197.D
 Acq: 14 Aug 2019 6:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	6.7	10.1
100	6.3	5.3	7.9





#79

Pvrene

Concen: 27.666 ng/ul

RT: 19.86 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG042197.D

Acq: 14 Aug 2019 6:07

Instrument :

BNA_G

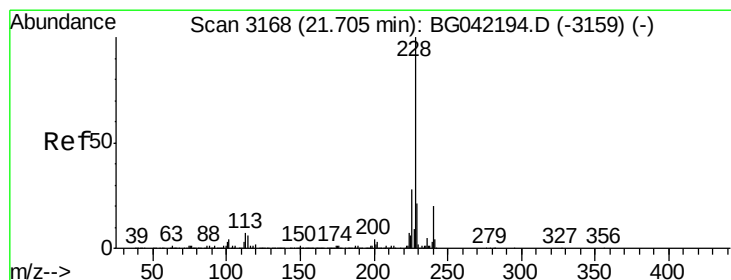
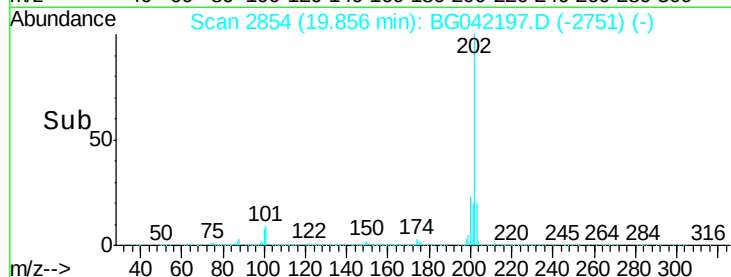
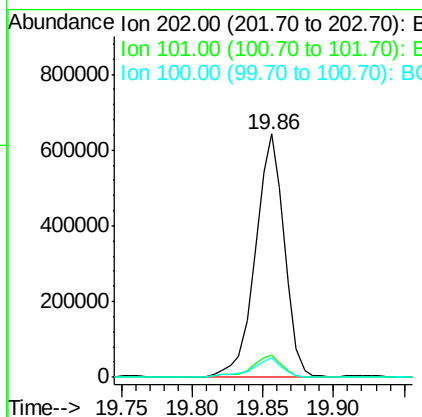
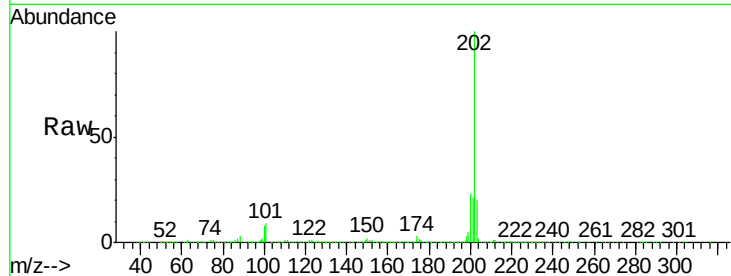
ClientSampleId :

CB5N4

Tot Ion:	202	Resp:	925727
Ion Ratio	Lower	Upper	
202	100		
101	8.9	7.6	11.4
100	7.8	6.5	9.7

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#82

Benzo(a)anthracene

Concen: 16.630 ng/ul

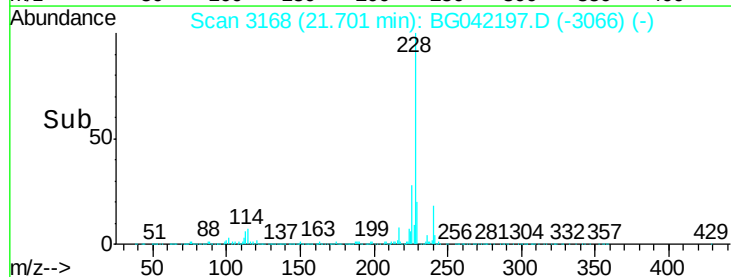
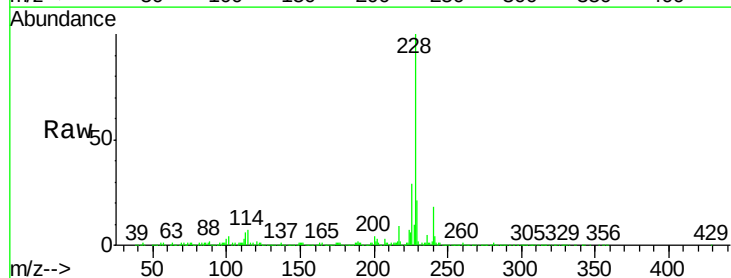
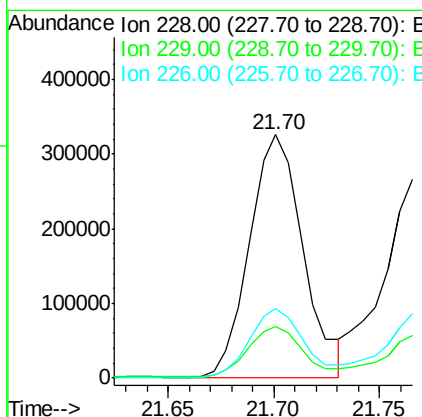
RT: 21.70 min Scan# 3168

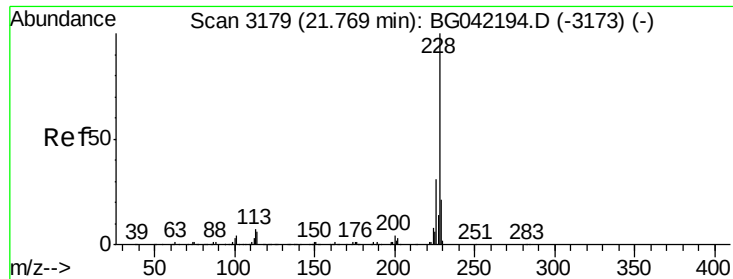
Delta R.T. -0.00 min

Lab File: BG042197.D

Acq: 14 Aug 2019 6:07

Tgt Ion:	228	Resp:	573571
Ion Ratio	Lower	Upper	
228	100		
229	21.3	17.0	25.6
226	28.6	23.3	34.9





#84

Chrysene

Concen: 15.920 ng/ul

RT: 21.77 min Scan# 3179

Delta R.T. -0.00 min

Lab File: BG042197.D

Acq: 14 Aug 2019 6:07

Instrument :

BNA_G

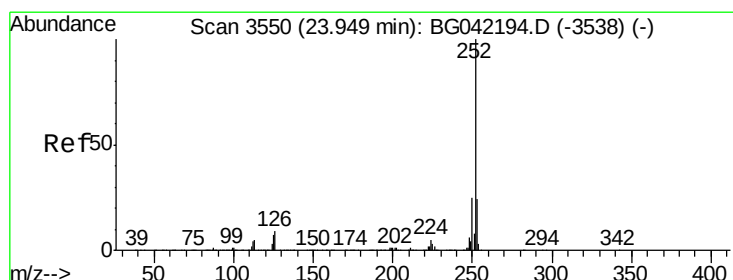
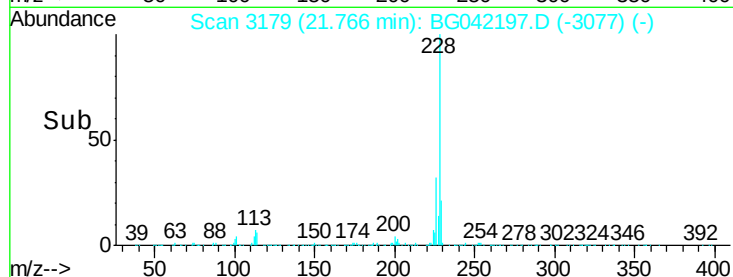
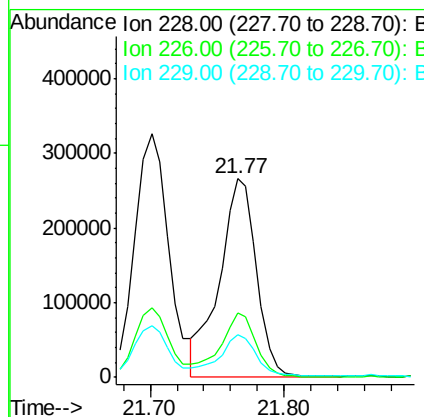
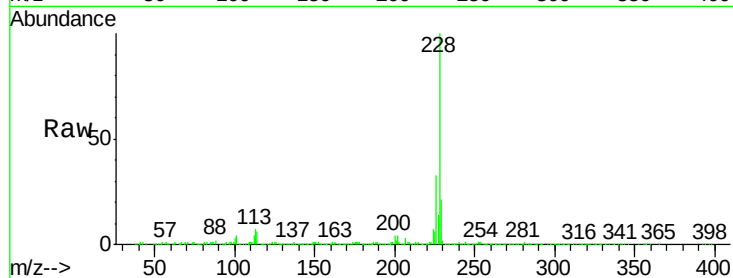
ClientSampleId :

CB5N4

Tot Ion:	228	Resp:	512472
Ion Ratio		Lower	Upper
228	100		
226	32.5	25.7	38.5
229	21.2	16.6	24.8

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 18.058 ng/ul

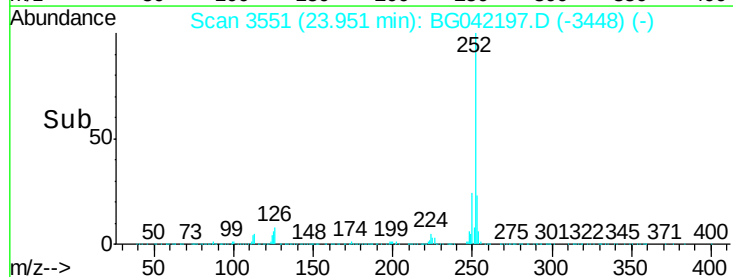
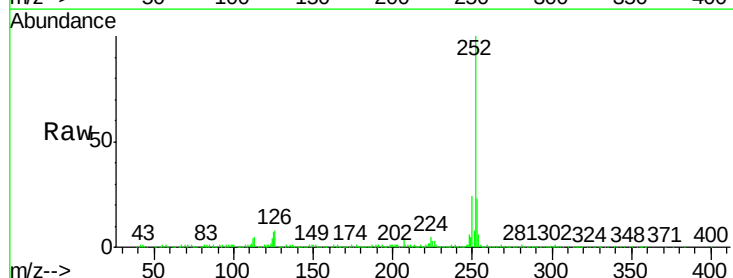
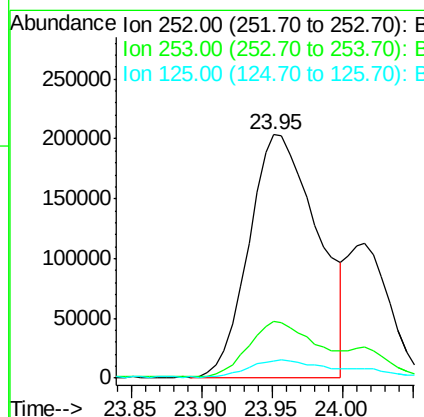
RT: 23.95 min Scan# 3551

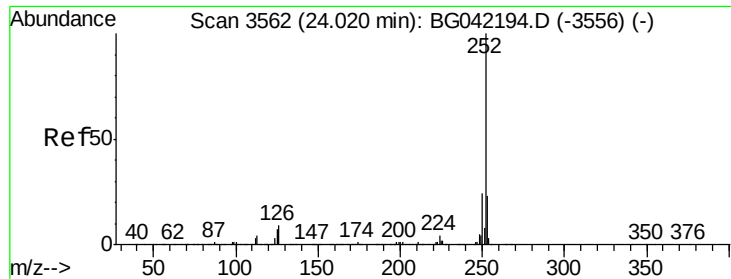
Delta R.T. 0.00 min

Lab File: BG042197.D

Acq: 14 Aug 2019 6:07

Tgt Ion:	252	Resp:	688765
Ion Ratio		Lower	Upper
252	100		
253	23.1	18.4	27.6
125	6.8	5.8	8.8





#88

Benzo(k)fluoranthene

Concen: 6.423 ng/ul m

RT: 24.02 min Scan# 3562

Delta R.T. 0.00 min

Lab File: BG042197.D

Acq: 14 Aug 2019 6:07

Instrument :

BNA_G

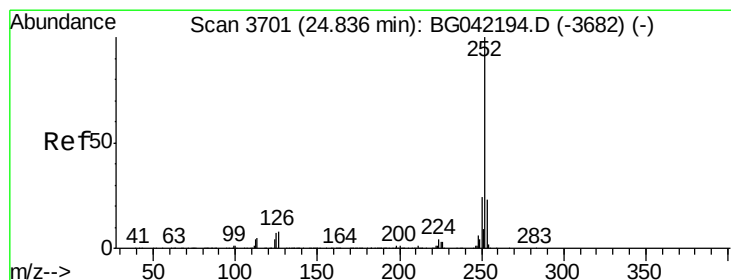
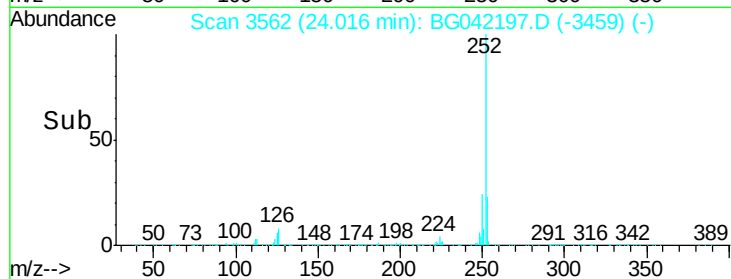
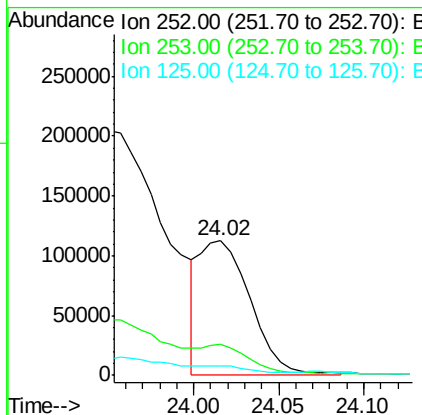
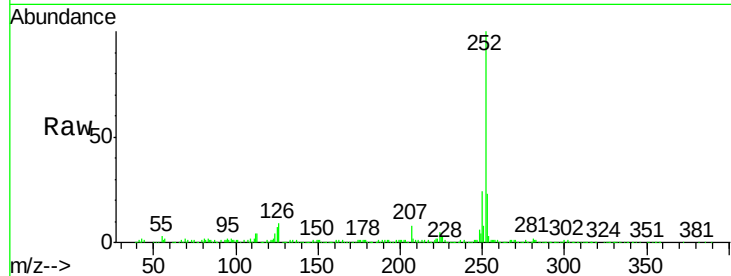
ClientSampled :

CB5N4

Tot Ion:	252	Resp:	235561
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.3	27.5
125	6.9	5.5	8.3

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#90

Benzo(a)pyrene

Concen: 12.252 ng/ul

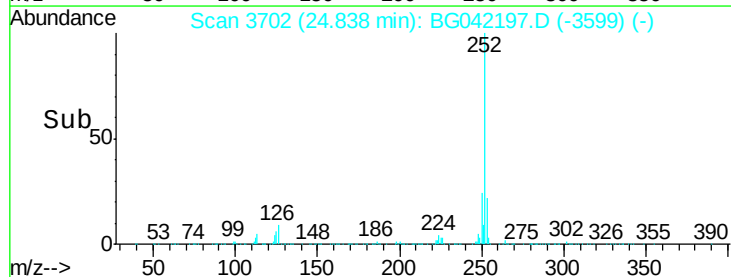
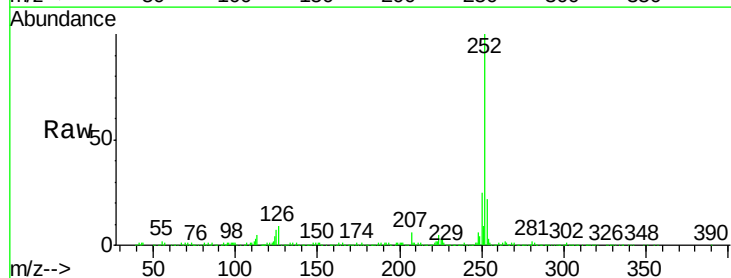
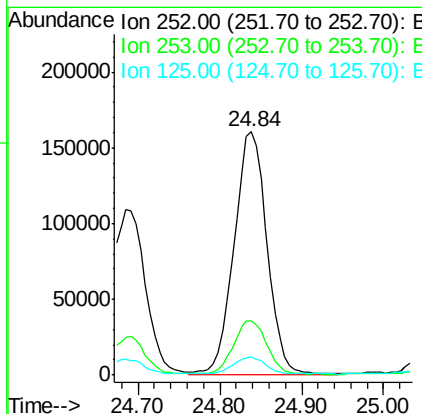
RT: 24.84 min Scan# 3702

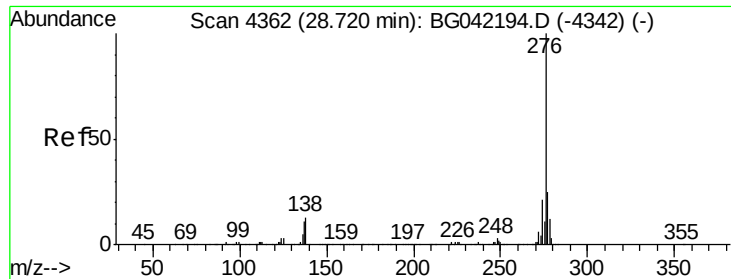
Delta R.T. 0.00 min

Lab File: BG042197.D

Acq: 14 Aug 2019 6:07

Tgt Ion:	252	Resp:	445321
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.3	27.5
125	7.5	6.5	9.7





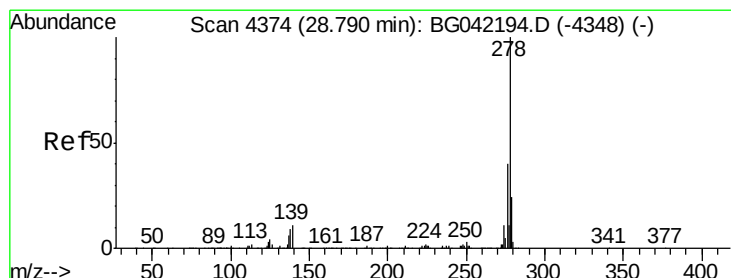
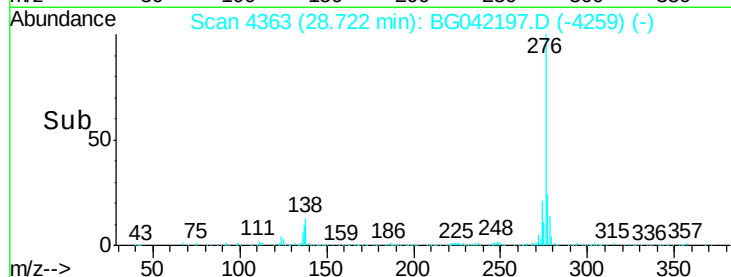
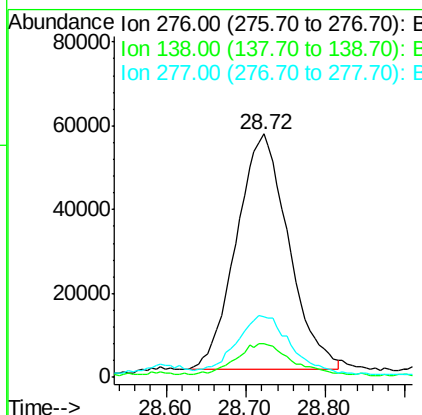
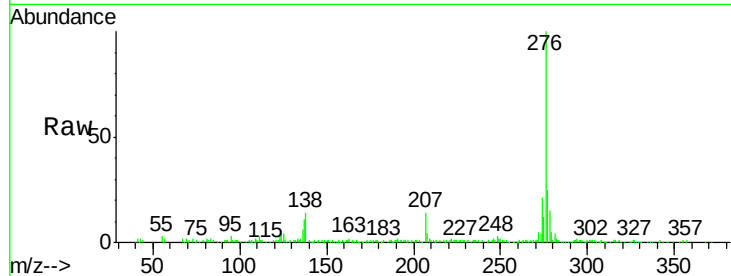
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 6.043 ng/ul
 RT: 28.72 min Scan# 4363
 Delta R.T. 0.01 min
 Lab File: BG042197.D
 Acq: 14 Aug 2019 6:07

Instrument :
 BNA_G
 ClientSampleId :
 CB5N4

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.0	12.0	18.0
277	24.9	19.2	28.8

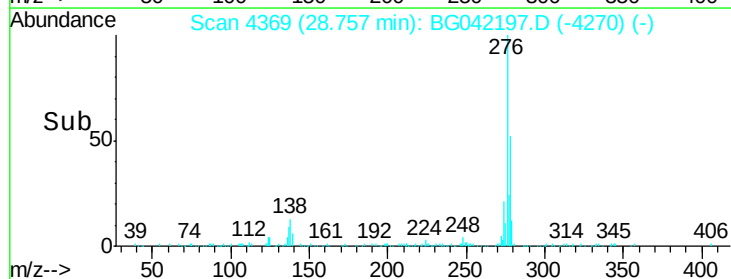
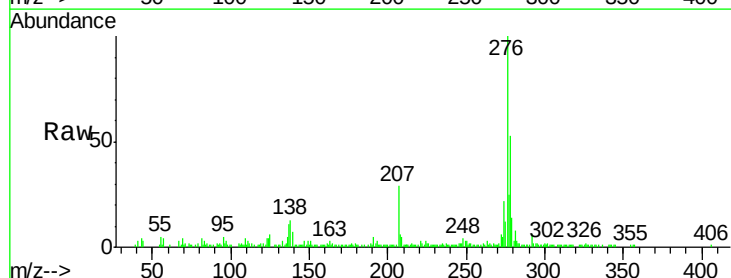
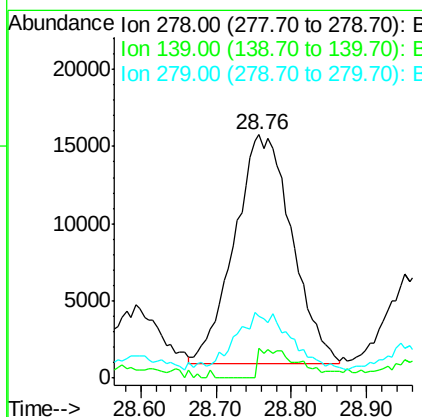
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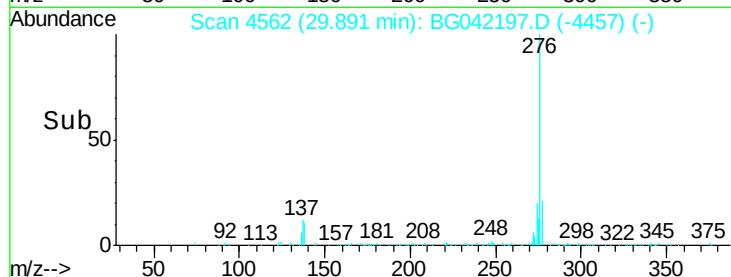
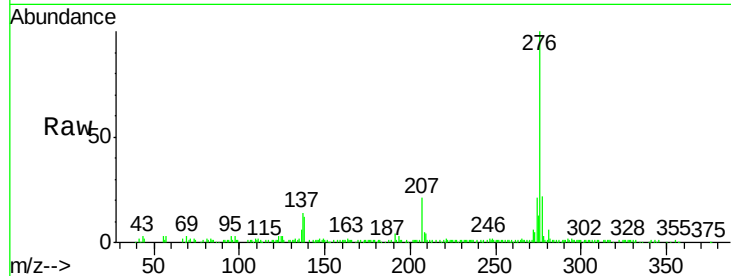
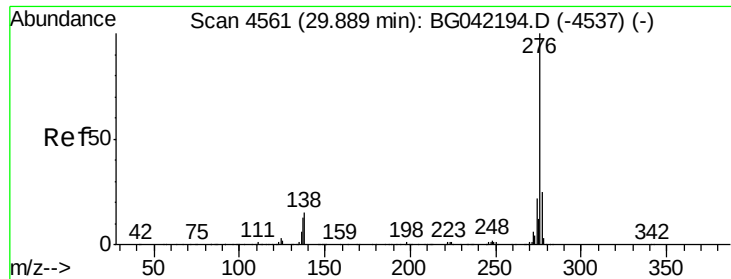
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#92
 Dibenzo(a,h)anthracene
 Concen: 2.263 ng/ul m
 RT: 28.76 min Scan# 4369
 Delta R.T. -0.02 min
 Lab File: BG042197.D
 Acq: 14 Aug 2019 6:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.4	9.4	14.0
279	25.6	19.2	28.8





#93

Benzo(a,h,i)perylene

Concen: 5.886 ng/ul

RT: 29.89 min Scan# 4562

Delta R.T. 0.01 min

Lab File: BG042197.D

Acq: 14 Aug 2019 6:07

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.1	12.6	18.8#
277	22.2	19.2	28.8

Instrument :

BNA_G

ClientSampleId :

CB5N4

Manual Integrations
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