

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
 Data File : BG042203.D
 Acq On : 14 Aug 2019 9:58
 Operator : HP/JU
 Sample : K4304-09
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB5P0

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:11:45 PM

Quant Time: Aug 14 11:04:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 10:42:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	89238	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	365761	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	247637	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	503449	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	492023	20.00	ng/ul	0.00
85) Perylene-d12	24.99	264	583087	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	5065	2.48	ng/uL	0.00
5) Phenol-d5	7.18	99	124419	17.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	63436	16.20	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	114713	19.16	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	106384	18.09	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	56493	20.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	70829	22.16	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	130803	20.27	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	150175	20.97	ng/ul	0.00
43) Dimethylphthalate-d6	14.08	166	414291	21.57	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	476162	21.70	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	50281	15.59	ng/ul	0.00
57) Fluorene-d10	15.68	176	363100	21.25	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	46614	14.43	ng/ul	0.00
70) Anthracene-d10	17.54	188	531266	21.99	ng/ul	0.00
78) Pyrene-d10	19.82	212	610959	22.25	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.76	264	695410	22.83	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.90	128	27111	1.450	ng/ul#	95
44) Dimethylphthalate	14.13	163	32148	1.686	ng/ul	98
49) Acenaphthene	14.75	153	20764	1.341	ng/ul	98
53) Dibenzofuran	15.09	168	29027	1.256	ng/ul	93
58) Fluorene	15.73	166	28276	1.519	ng/ul	91
69) Phenanthrene	17.48	178	421540	15.295	ng/ul	99
71) Anthracene	17.57	178	79830	2.856	ng/ul	97
74) Carbazole	17.84	167	37732	1.630	ng/ul	97
76) Fluoranthene	19.49	202	541754	17.012	ng/ul	97
79) Pyrene	19.85	202	445613	13.464	ng/ul	98
82) Benzo(a)anthracene	21.70	228	256039	7.505	ng/ul	99
84) Chrysene	21.77	228	231297	7.264	ng/ul	97
87) Benzo(b)fluoranthene	23.96	252	321949	8.798	ng/ul	97
88) Benzo(k)fluoranthene	24.02	252	108676m	3.089	ng/ul	
90) Benzo(a)pyrene	24.84	252	210320	6.032	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	28.72	276	122629	3.015	ng/ul	96
92) Dibenzo(a,h)anthracene	28.78	278	37106m	1.119	ng/ul	
93) Benzo(g,h,i)perylene	29.89	276	99478	2.930	ng/ul	98

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

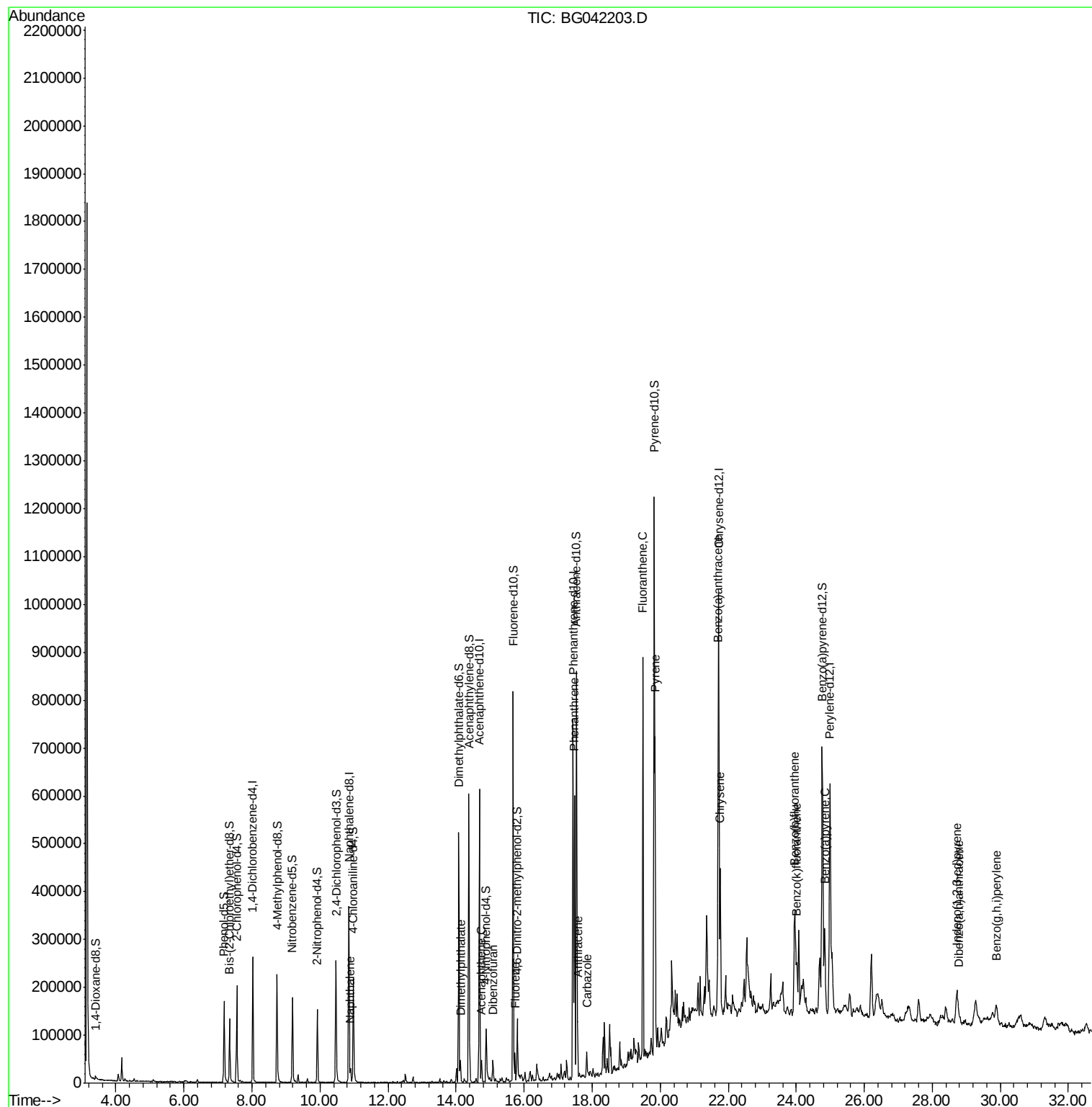
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042203.D
Acq On : 14 Aug 2019 9:58
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Misc :
ALS Vial : 65 Sample Multiplier: 1

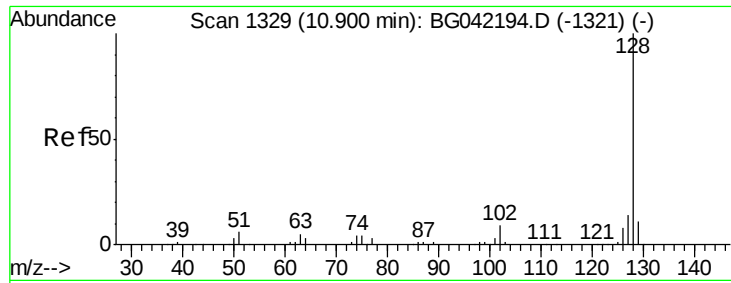
Instrument :
BNA_G
ClientSampleId :
CB5P0

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
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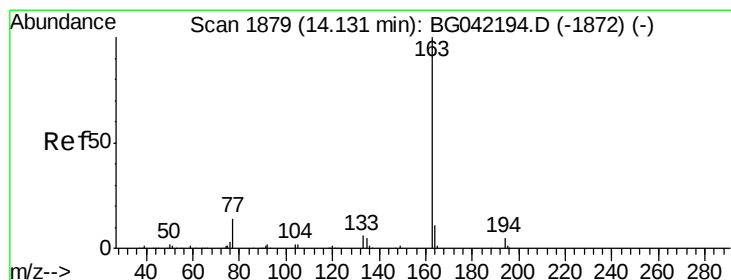
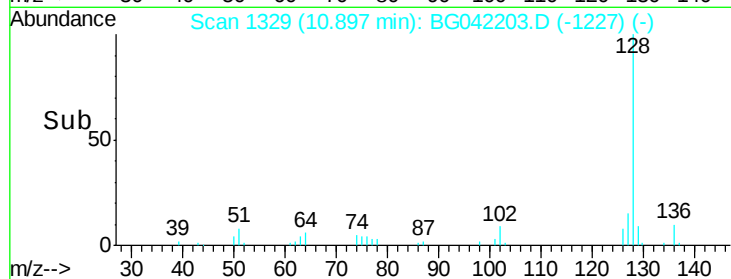
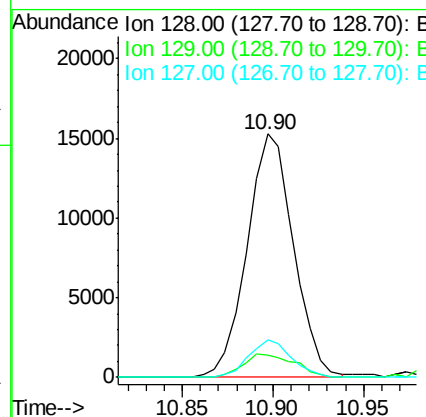
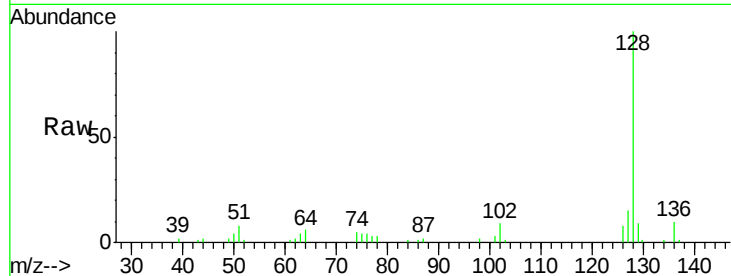
#28
Naphthalene
Concen: 1.450 ng/ul
RT: 10.90 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BG042203.D
Acq: 14 Aug 2019 9:58

Instrument :
BNA_G
ClientSampleId :
CB5P0

Tot Ion	Ratio	Lower	Upper
128	100		
129	8.9	9.5	14.3#
127	15.2	11.4	17.0

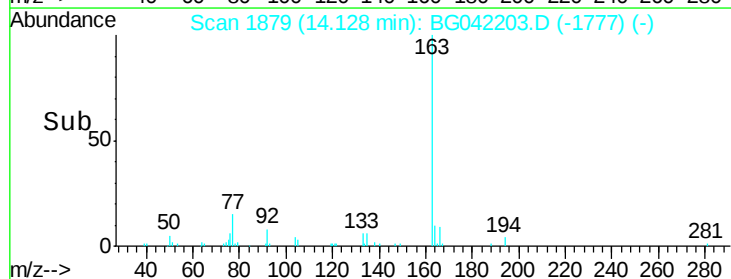
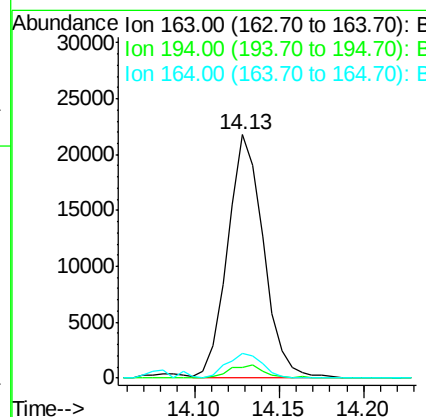
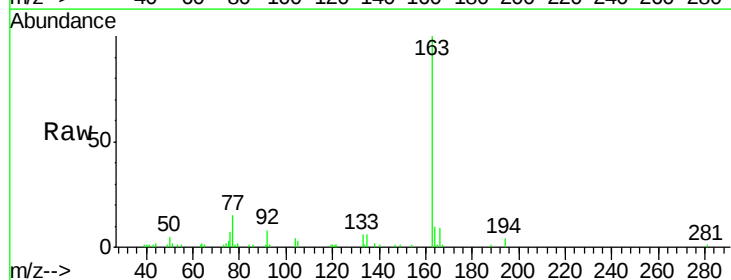
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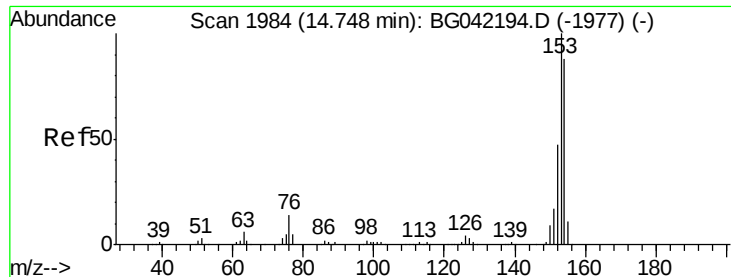
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#44
Dimethylphthalate
Concen: 1.686 ng/ul
RT: 14.13 min Scan# 1879
Delta R.T. -0.00 min
Lab File: BG042203.D
Acq: 14 Aug 2019 9:58

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	4.2	6.2
164	10.3	7.8	11.8





#49

Acenaphthene

Concen: 1.341 ng/ul

RT: 14.75 min Scan# 1984

Delta R.T. -0.00 min

Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

Instrument :

BNA_G

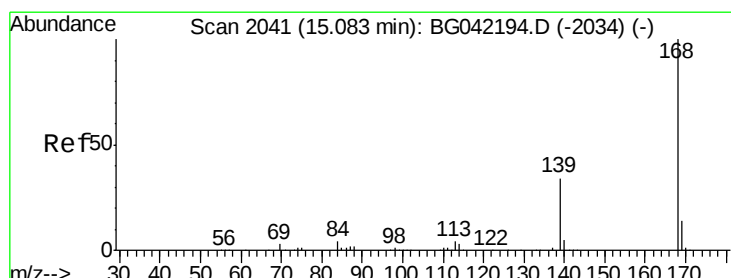
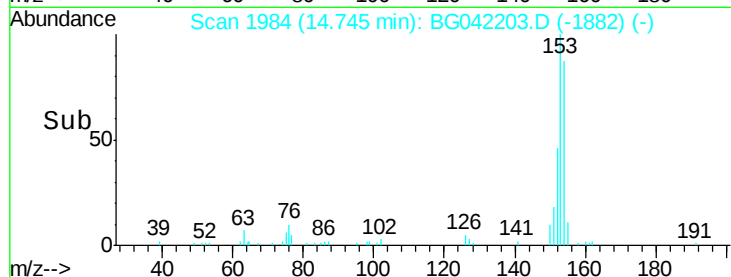
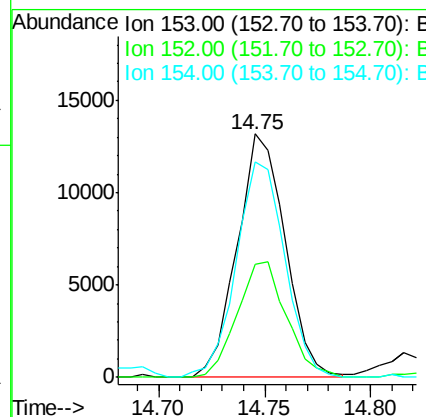
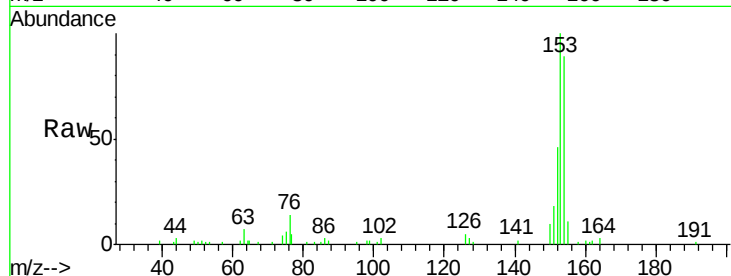
ClientSampleId :

CB5P0

Tot Ion:	153	Resp:	20764
Ion Ratio	Lower	Upper	
153	100		
152	46.3	37.8	56.8
154	88.6	69.4	104.2

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#53

Dibenzofuran

Concen: 1.256 ng/ul

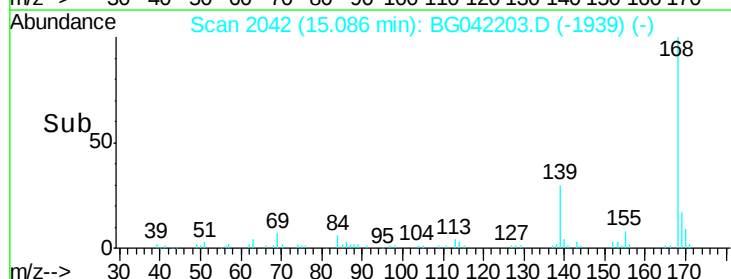
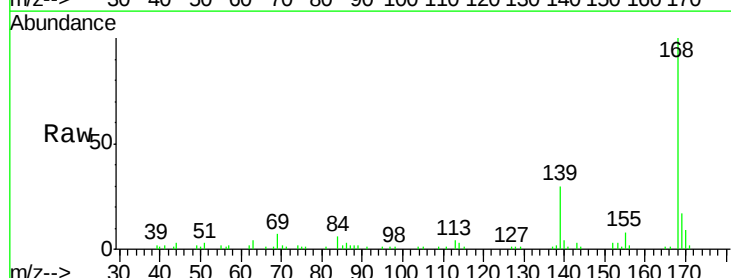
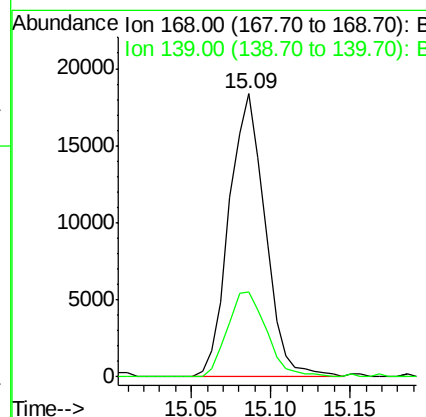
RT: 15.09 min Scan# 2042

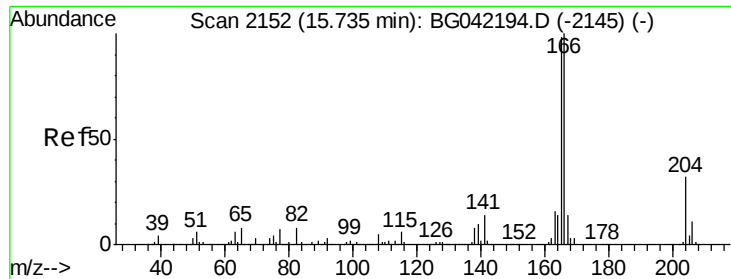
Delta R.T. 0.00 min

Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

Tgt Ion:	168	Resp:	29027
Ion Ratio	Lower	Upper	
168	100		
139	29.9	27.3	40.9





#58

Fluorene

Concen: 1.519 ng/ul

RT: 15.73 min Scan# 2152

Delta R.T. -0.00 min

Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

Instrument :

BNA_G

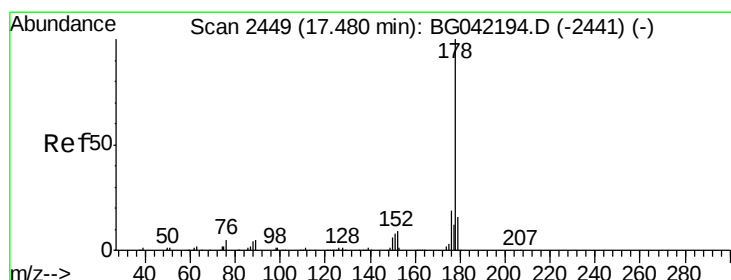
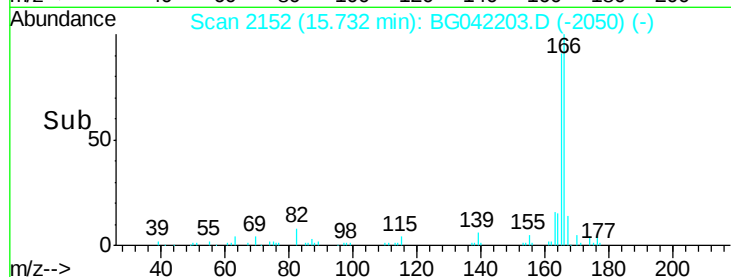
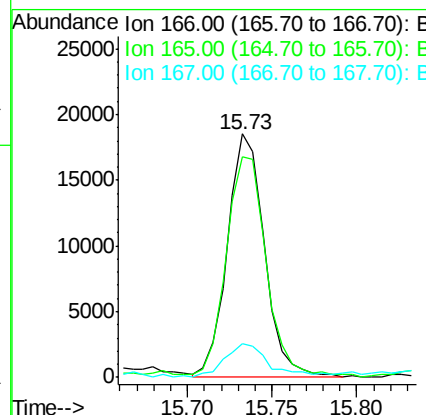
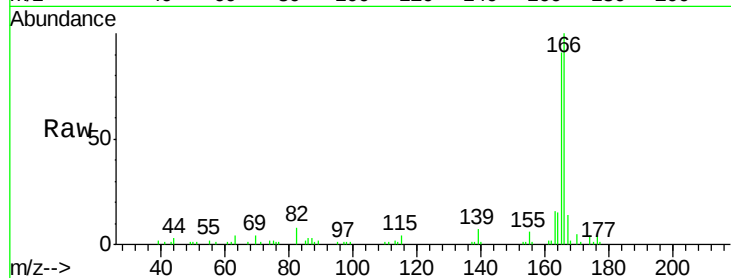
ClientSampled :

CB5P0

Tot Ion:	166	Resp:	28276
Ion Ratio	Lower	Upper	
166	100		
165	90.8	81.1	121.7
167	13.7	11.0	16.4

Manual Integrations
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#69

Phenanthrene

Concen: 15.295 ng/ul

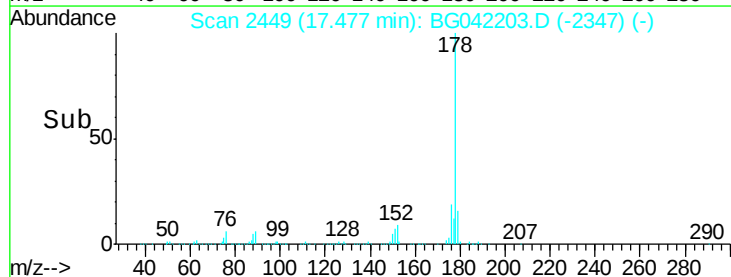
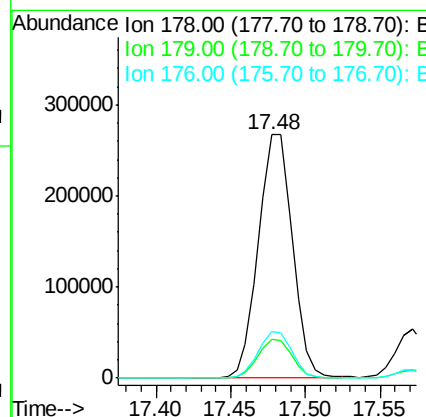
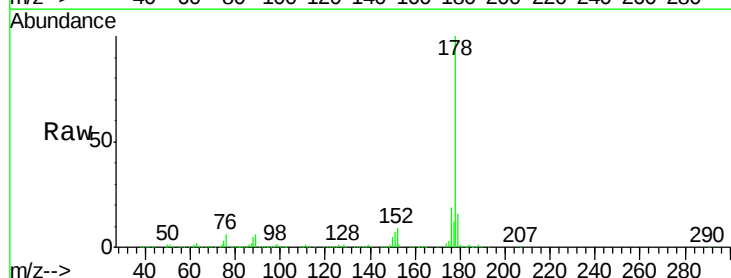
RT: 17.48 min Scan# 2449

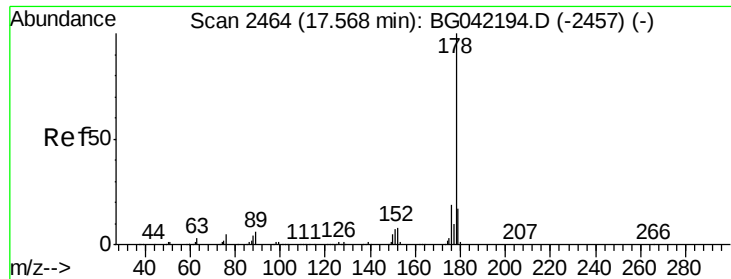
Delta R.T. -0.00 min

Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

Tgt Ion:	178	Resp:	421540
Ion Ratio	Lower	Upper	
178	100		
179	15.8	12.8	19.2
176	19.0	15.4	23.2





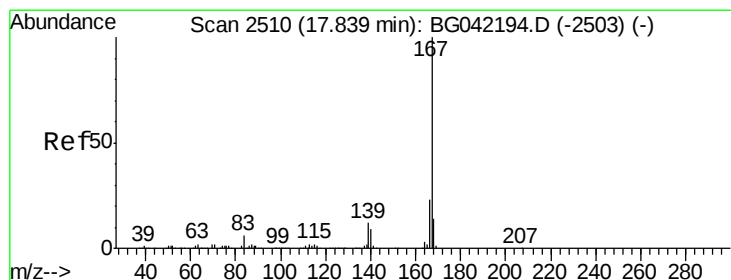
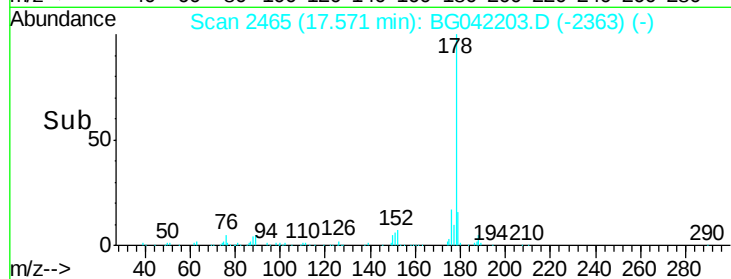
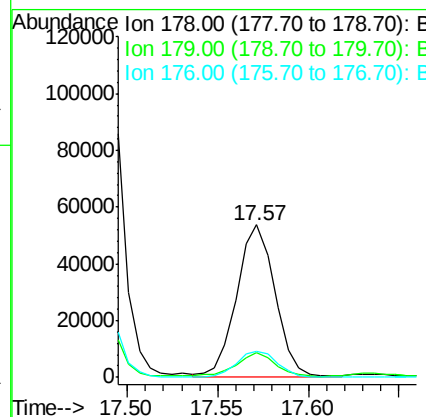
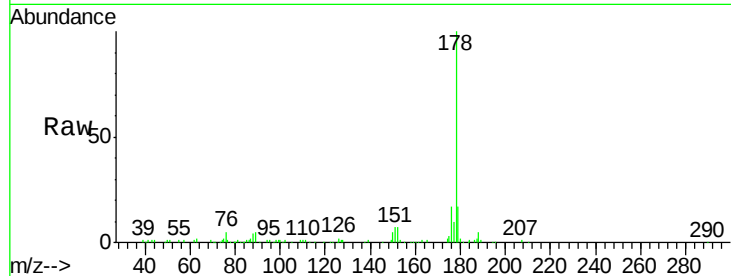
#71
 Anthracene
 Concen: 2.856 ng/ul
 RT: 17.57 min Scan# 2465
 Delta R.T. -0.00 min
 Lab File: BG042203.D
 Acq: 14 Aug 2019 9:58

Instrument :
 BNA_G
 ClientSampleId :
 CB5P0

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.7	13.4	20.0
176	17.2	15.4	23.2

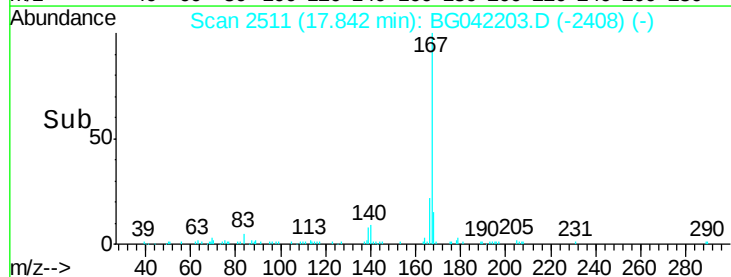
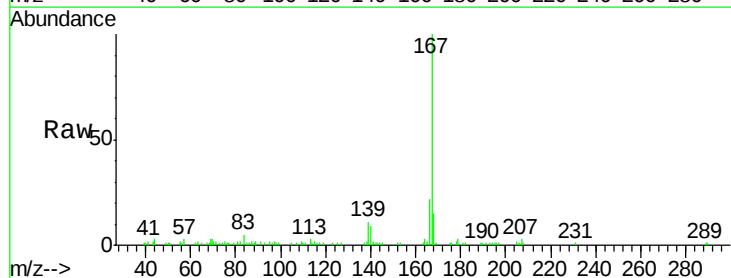
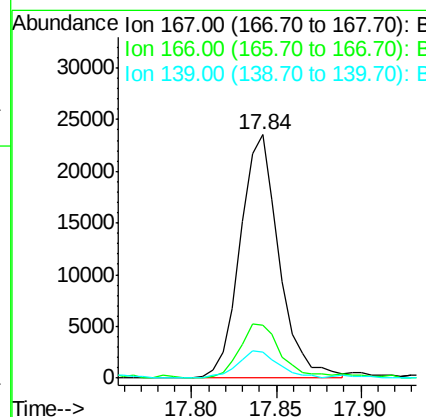
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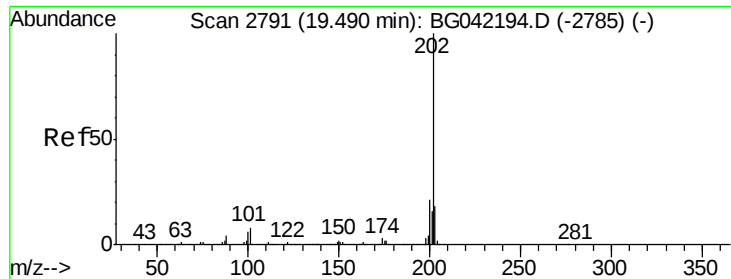
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#74
 Carbazole
 Concen: 1.630 ng/ul
 RT: 17.84 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: BG042203.D
 Acq: 14 Aug 2019 9:58

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.2	27.4
139	10.9	9.6	14.4





#76

Fluoranthene

Concen: 17.012 ng/ul

RT: 19.49 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

Instrument :

BNA_G

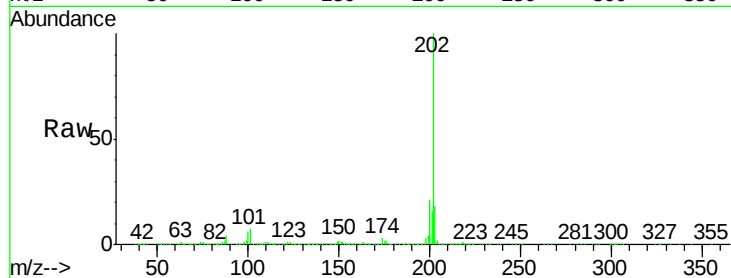
ClientSampled :

CB5P0

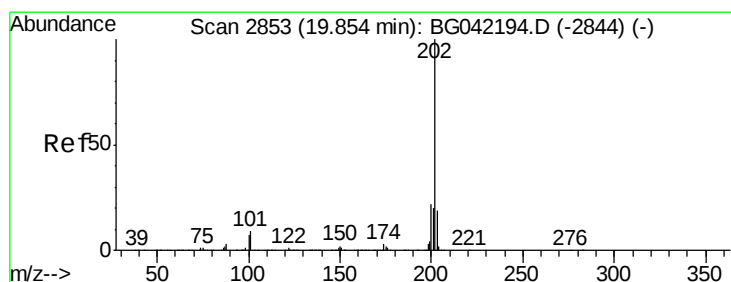
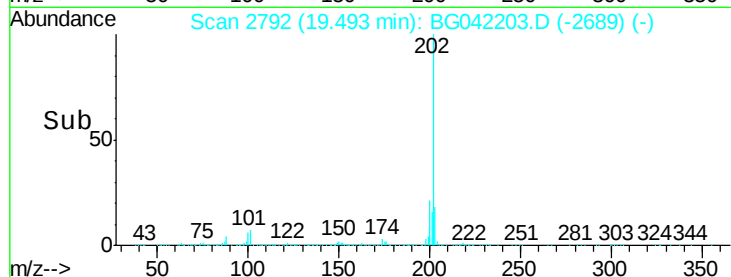
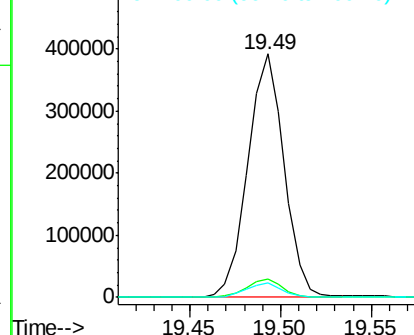
Tot Ion:	202	Resp:	541754
Ion Ratio	Lower	Upper	
202	100		
101	7.4	6.7	10.1
100	5.7	5.3	7.9

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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: 13.464 ng/ul

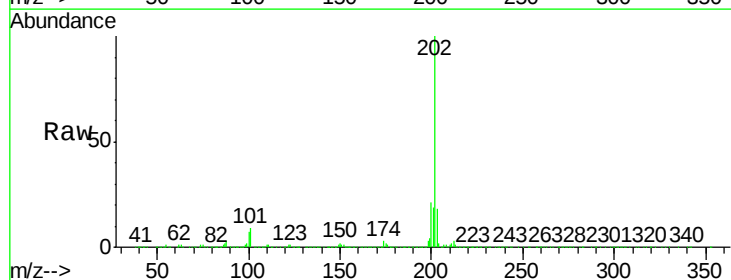
RT: 19.85 min Scan# 2853

Delta R.T. -0.00 min

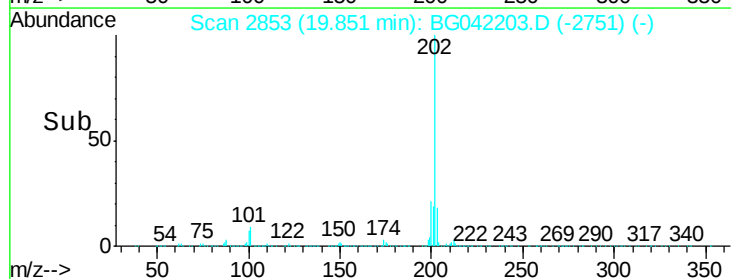
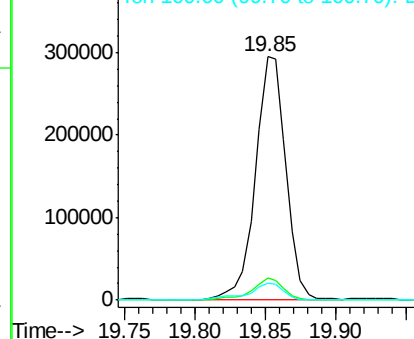
Lab File: BG042203.D

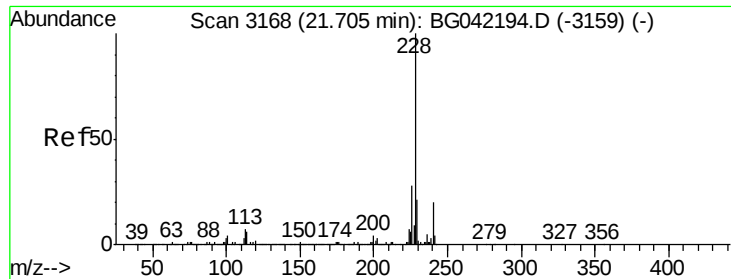
Acq: 14 Aug 2019 9:58

Tgt Ion:	202	Resp:	445613
Ion Ratio	Lower	Upper	
202	100		
101	9.2	7.6	11.4
100	7.2	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: 7.505 ng/ul

RT: 21.70 min Scan# 3168

Delta R.T. -0.00 min

Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

Instrument :

BNA_G

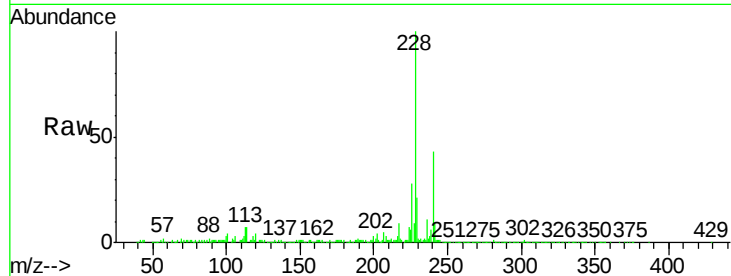
ClientSampleId :

CB5P0

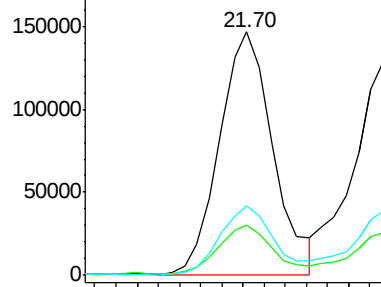
Tot Ion:	228	Resp:	256039
Ion Ratio	Lower	Upper	
228	100		
229	20.9	17.0	25.6
226	28.3	23.3	34.9

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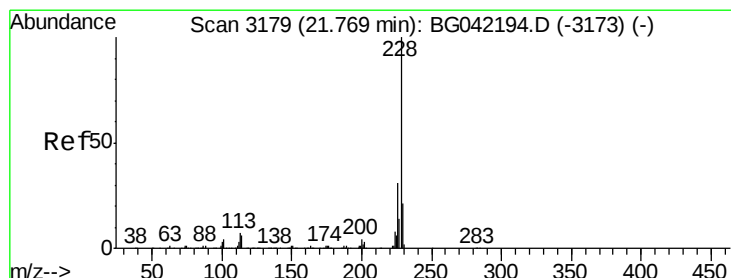
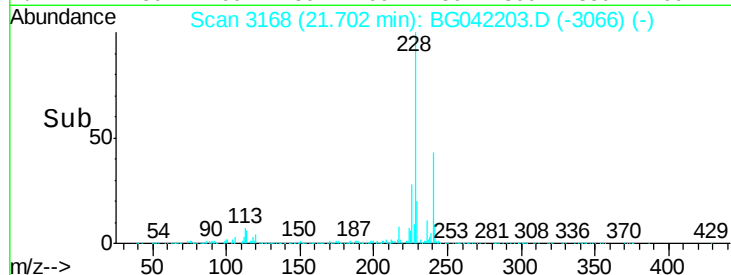
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



Time-->



#84

Chrysene

Concen: 7.264 ng/ul

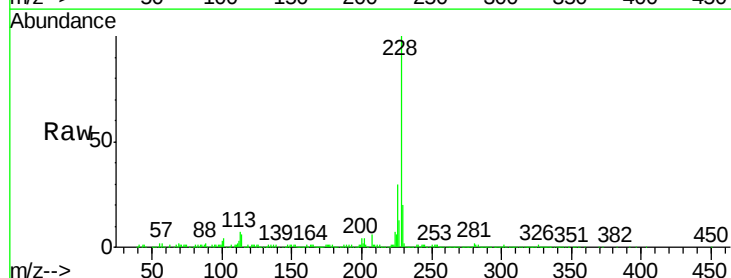
RT: 21.77 min Scan# 3179

Delta R.T. -0.00 min

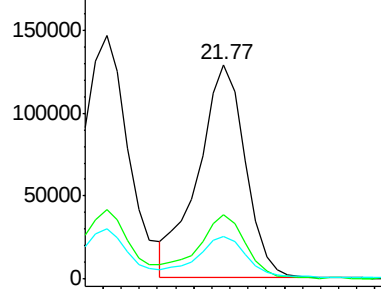
Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

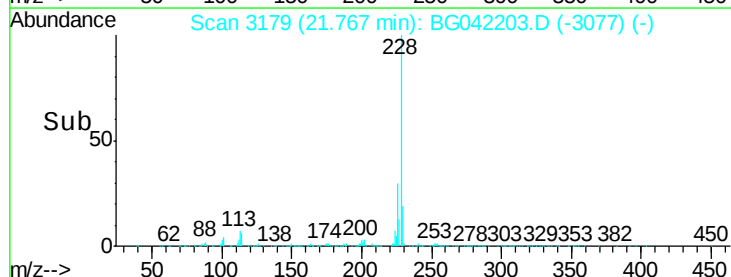
Tgt Ion:	228	Resp:	231297
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.7	38.5
229	19.8	16.6	24.8

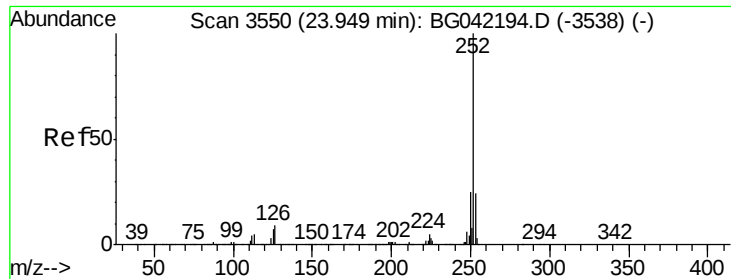


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





#87

Benzo(b)fluoranthene

Concen: 8.798 ng/ul

RT: 23.96 min Scan# 3552

Delta R.T. 0.01 min

Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

Instrument :

BNA_G

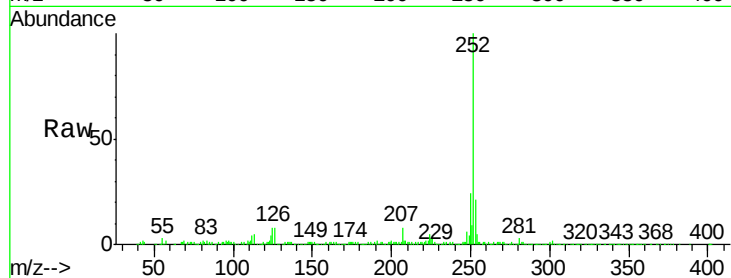
ClientSampleId :

CB5P0

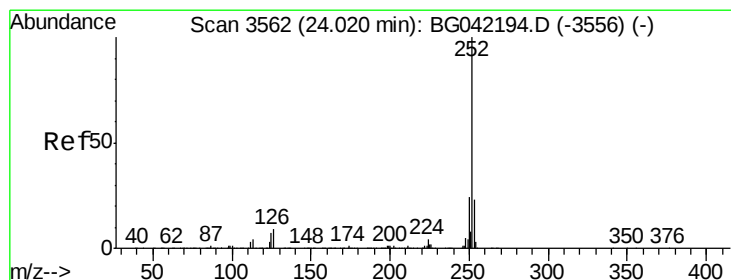
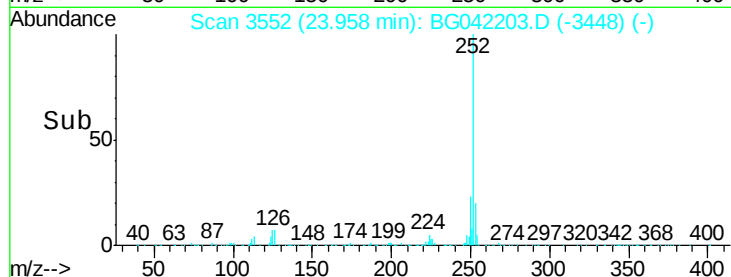
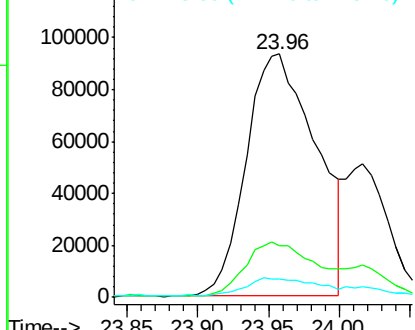
Tot Ion:	252	Resp:	321949
Ion Ratio	Lower	Upper	
252	100		
253	21.1	18.4	27.6
125	7.6	5.8	8.8

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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: 3.089 ng/ul m

RT: 24.02 min Scan# 3562

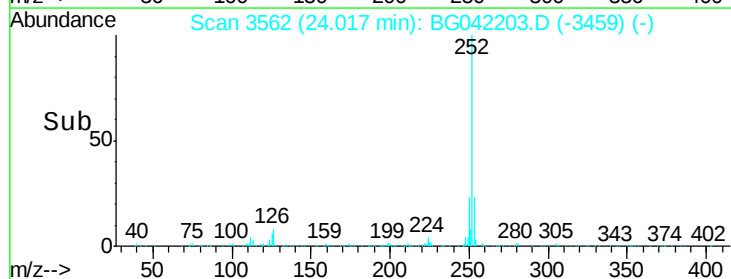
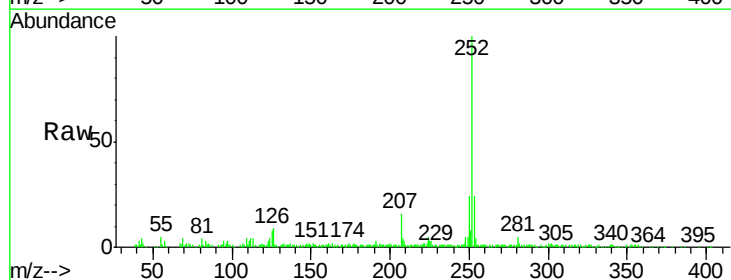
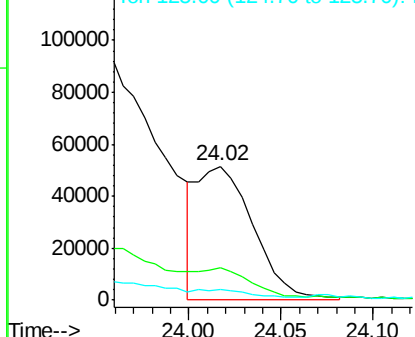
Delta R.T. 0.00 min

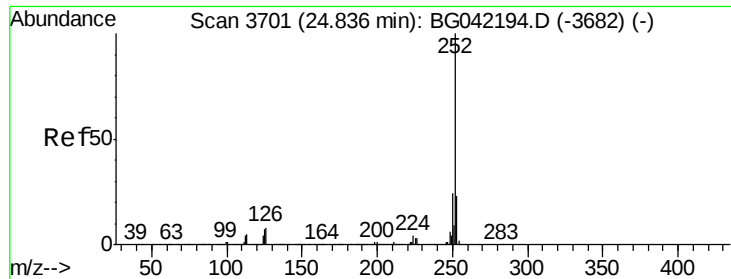
Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

Tgt Ion:	252	Resp:	108676
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.3	27.5
125	7.7	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: 6.032 ng/ul

RT: 24.84 min Scan# 3702

Delta R.T. 0.00 min

Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

Instrument :

BNA_G

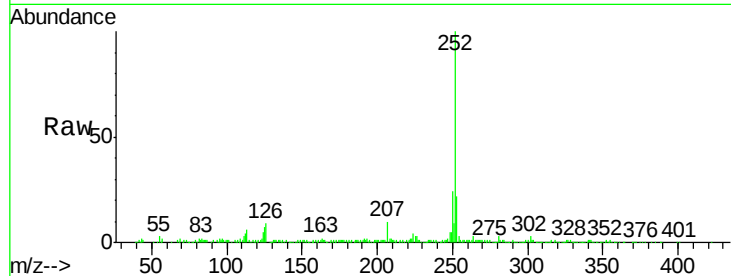
ClientSampled :

CB5P0

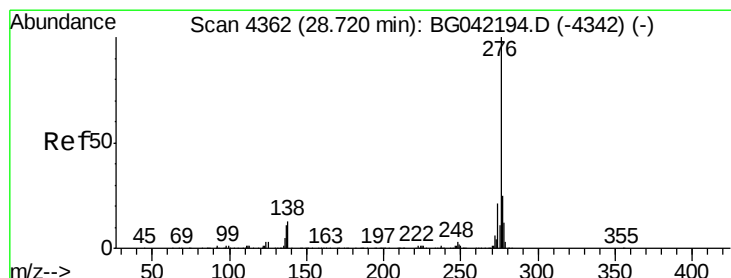
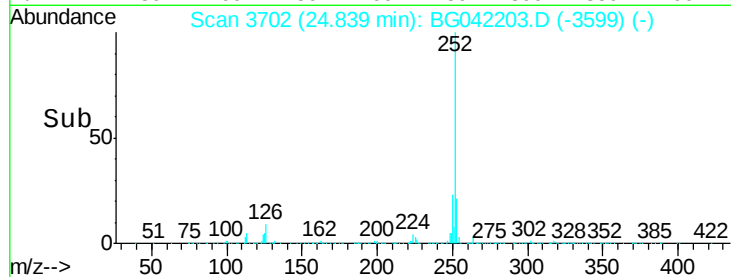
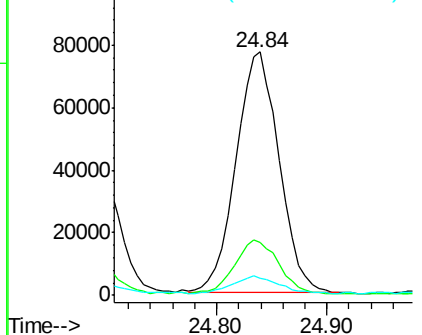
Tot Ion:	252	Resp:	210320
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.3	27.5
125	7.2	6.5	9.7

Manual Integrations
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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: 3.015 ng/ul

RT: 28.72 min Scan# 4362

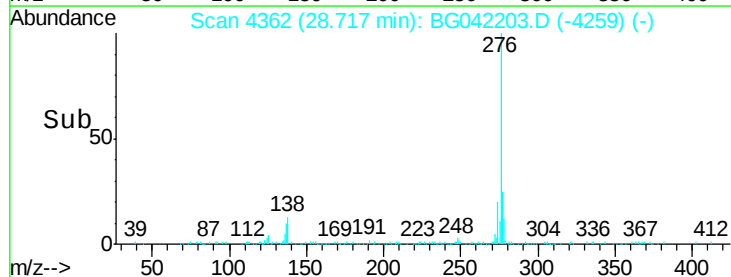
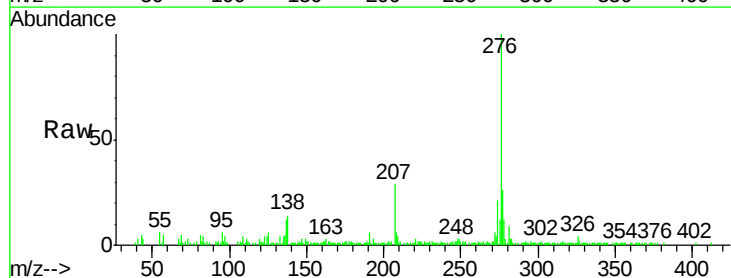
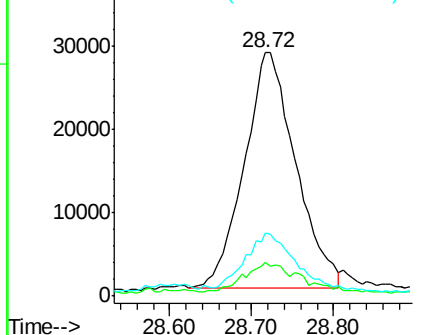
Delta R.T. 0.00 min

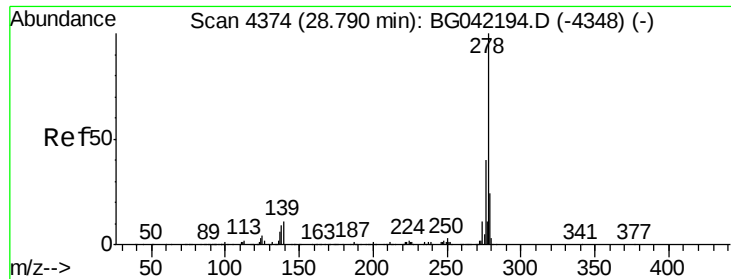
Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

Tgt Ion:	276	Resp:	122629
Ion Ratio	Lower	Upper	
276	100		
138	13.8	12.0	18.0
277	26.1	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: 1.119 ng/ul m

RT: 28.78 min Scan# 4373

Delta R.T. 0.00 min

Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

Instrument :

BNA_G

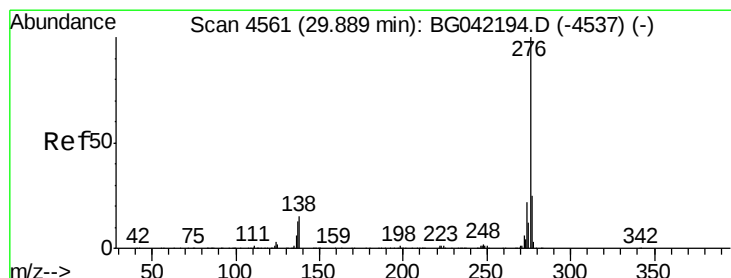
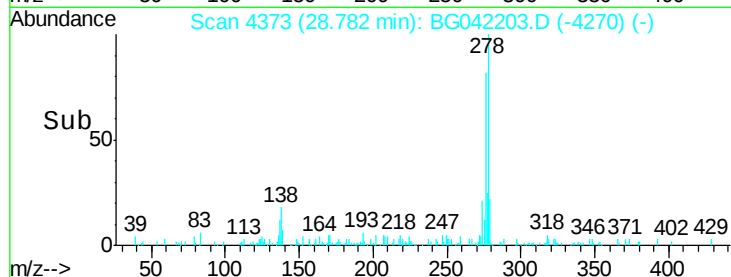
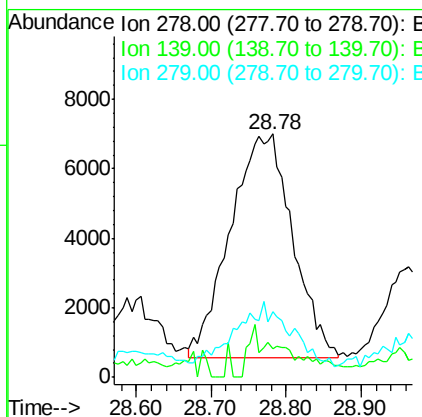
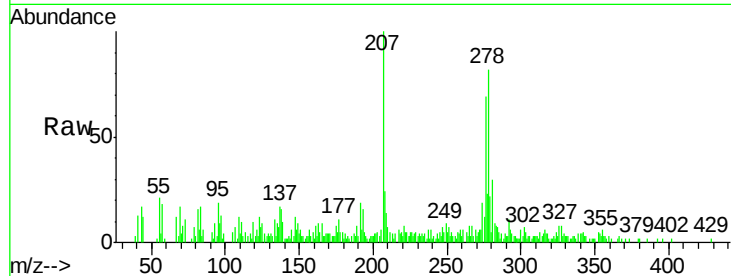
ClientSampleId :

CB5P0

Tot Ion:	278	Resp:	37106
Ion Ratio	Lower	Upper	
278	100		
139	11.7	9.4	14.0
279	26.8	19.2	28.8

Manual Integrations
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#93

Benzo(g,h,i)perylene

Concen: 2.930 ng/ul

RT: 29.89 min Scan# 4561

Delta R.T. 0.01 min

Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

Tgt Ion:	276	Resp:	99478
Ion Ratio	Lower	Upper	
276	100		
138	15.4	12.6	18.8
277	25.6	19.2	28.8

