

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
 Data File : BG042202.D
 Acq On : 14 Aug 2019 9:20
 Operator : HP/JU
 Sample : K4304-08
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB5N9

Manual Integrations
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mohammad
 8/15/2019 5:11:42 PM

Quant Time: Aug 14 10:56:07 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	79232	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	335403	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	234072	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	475784	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	465221	20.00	ng/ul	0.00
85) Perylene-d12	25.00	264	555095	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	8243	4.55	ng/uL	0.00
5) Phenol-d5	7.18	99	203179	32.68	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	100466	28.89	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	185666	34.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	174178	33.37	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	91816	36.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	113083	38.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	213824	36.13	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	225964	34.41	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	609631	33.58	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	717535	34.60	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	86327	28.32	ng/ul	0.00
57) Fluorene-d10	15.68	176	537414	33.27	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	80963	26.52	ng/ul	0.00
70) Anthracene-d10	17.54	188	773571	33.89	ng/ul	0.00
78) Pyrene-d10	19.83	212	868496	33.45	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	1015381	35.02	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	7.21	94	9813	1.529	ng/ul#	86
28) Naphthalene	10.90	128	36378	2.122	ng/ul	99
34) 2-Methylnaphthalene	12.51	142	14759	1.083	ng/ul	99
44) Dimethylphthalate	14.13	163	86139	4.779	ng/ul	98
49) Acenaphthene	14.75	153	31008	2.119	ng/ul	97
53) Dibenzofuran	15.09	168	31749	1.454	ng/ul	96
58) Fluorene	15.74	166	35799	2.035	ng/ul	92
69) Phenanthrene	17.48	178	537514	20.636	ng/ul	99
71) Anthracene	17.57	178	114683	4.341	ng/ul	97
74) Carbazole	17.84	167	52265	2.388	ng/ul	99
76) Fluoranthene	19.49	202	843286	28.021	ng/ul	98
79) Pyrene	19.86	202	704915	22.526	ng/ul	98
82) Benzo(a)anthracene	21.70	228	430063	13.333	ng/ul	99
84) Chrysene	21.77	228	395486	13.136	ng/ul	99
87) Benzo(b)fluoranthene	23.95	252	547596	15.720	ng/ul	100
88) Benzo(k)fluoranthene	24.02	252	203653m	6.080	ng/ul	
90) Benzo(a)pyrene	24.84	252	388121	11.692	ng/ul#	98
91) Indeno(1,2,3-cd)pyrene	28.73	276	253957m	6.559	ng/ul	
92) Dibenzo(a,h)anthracene	28.76	278	69765m	2.209	ng/ul	
93) Benzo(g,h,i)perylene	29.90	276	188687	5.837	ng/ul	96

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

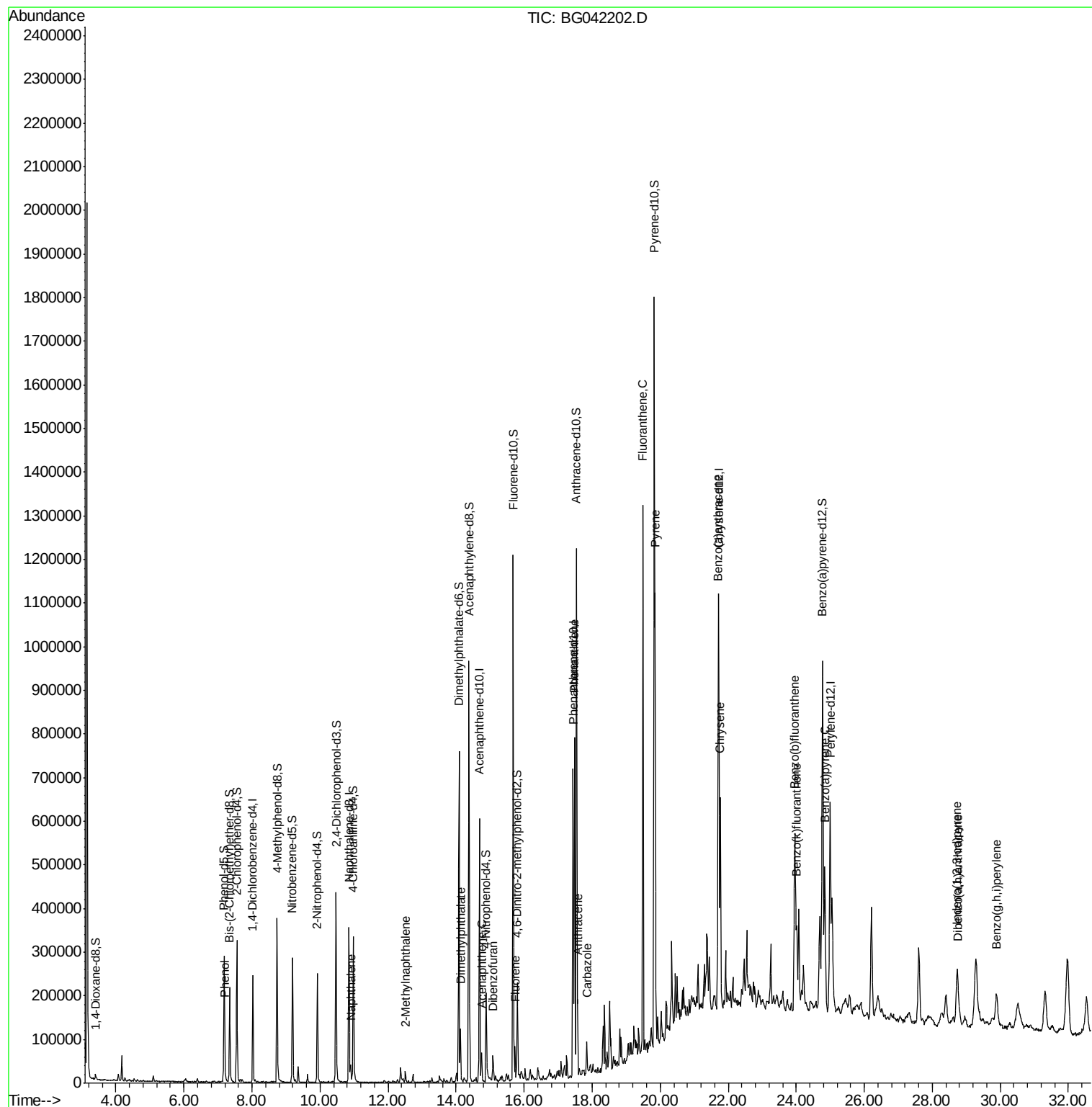
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042202.D
Acq On : 14 Aug 2019 9:20
Operator : HP/JU
Sample : K4304-08
Misc :
ALS Vial : 64 Sample Multiplier: 1

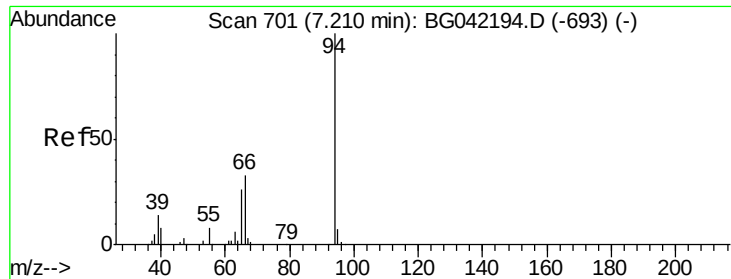
Instrument :
BNA_G
ClientSampled :
CB5N9

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#6

Phenol

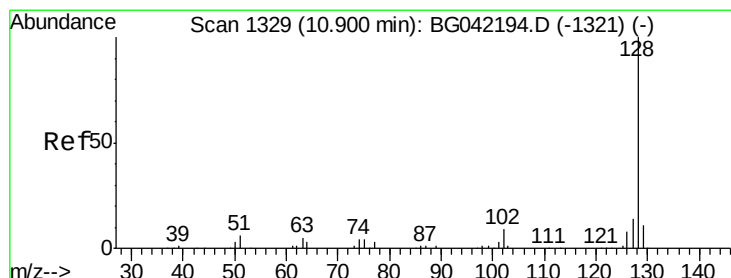
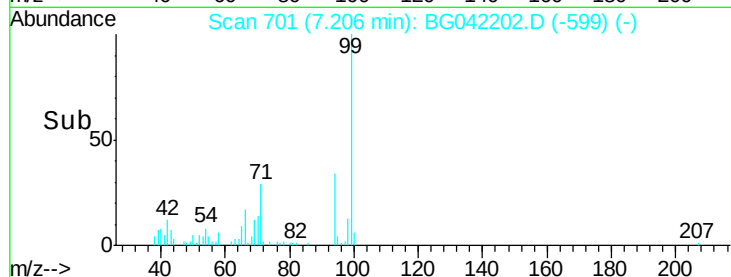
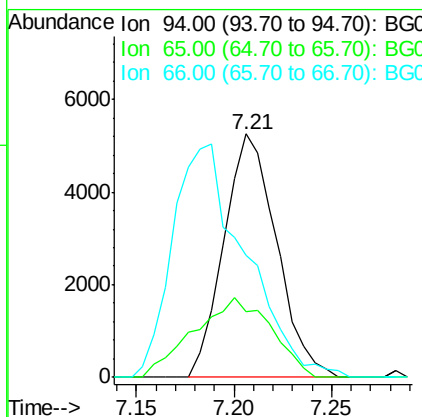
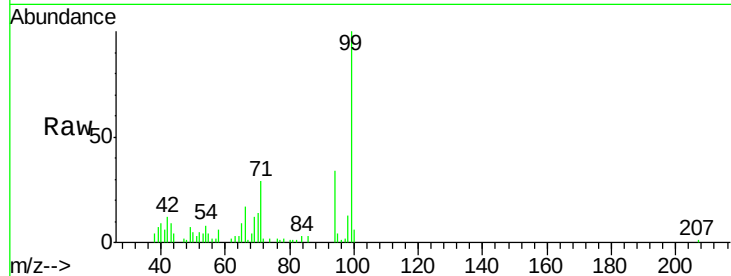
Concen: 1.529 ng/ul
 RT: 7.21 min Scan# 701
 Delta R.T. -0.00 min
 Lab File: BG042202.D
 Acq: 14 Aug 2019 9:20

Instrument :
 BNA_G
 ClientSampleId :
 CB5N9

Tot Ion	Ratio	Lower	Upper
94	100		
65	26.8	25.8	38.6
66	50.2	31.8	47.8

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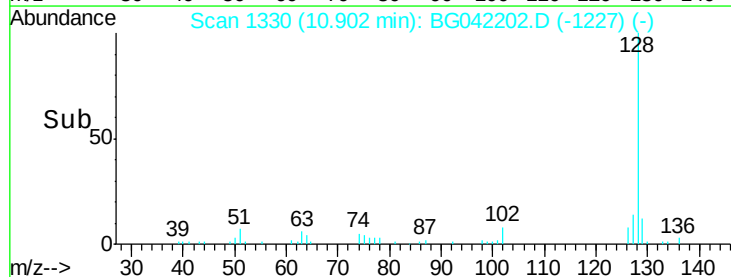
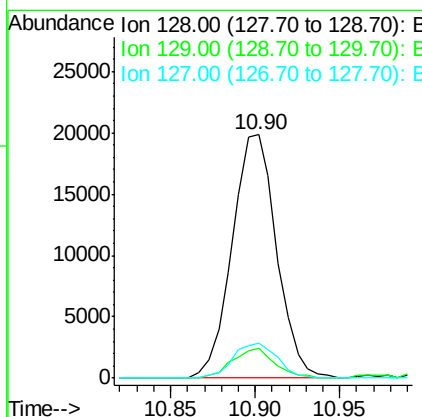
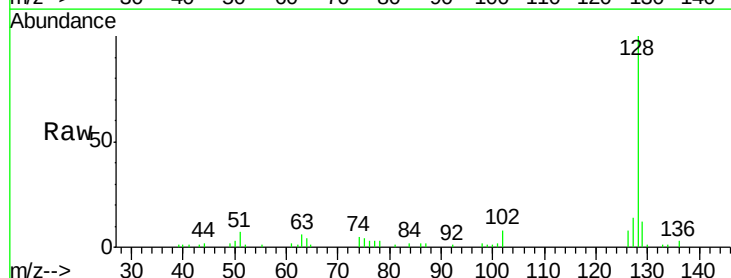


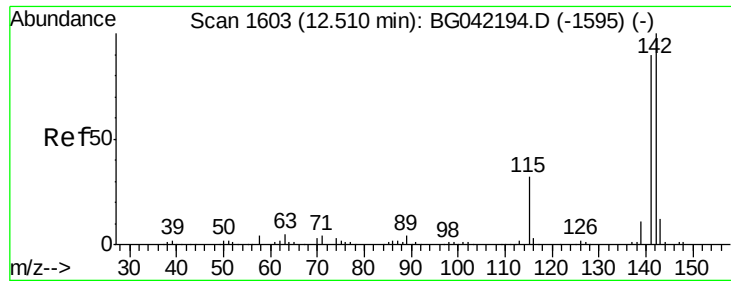
#28

Naphthalene

Concen: 2.122 ng/ul
 RT: 10.90 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: BG042202.D
 Acq: 14 Aug 2019 9:20

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.5	14.3
127	14.5	11.4	17.0





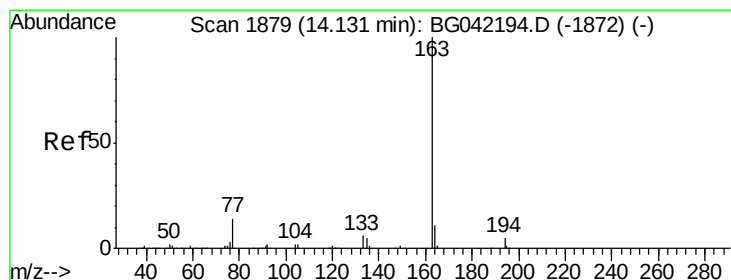
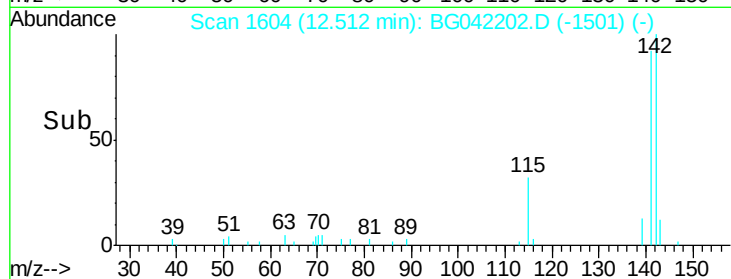
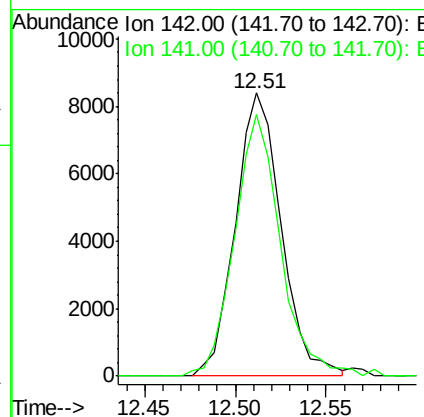
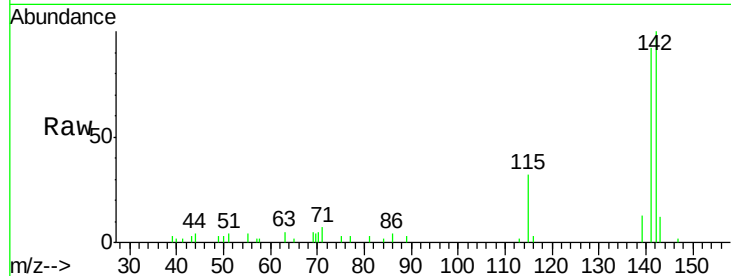
#34
2-Methylnaphthalene
Concen: 1.083 ng/ul
RT: 12.51 min Scan# 1604
Delta R.T. 0.00 min
Lab File: BG042202.D
Acq: 14 Aug 2019 9:20

Instrument :
BNA_G
ClientSampleId :
CB5N9

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.2	72.9	109.3

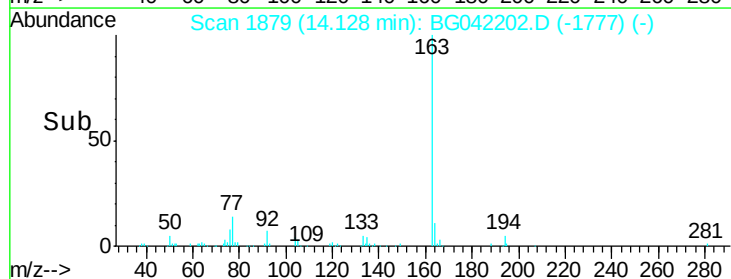
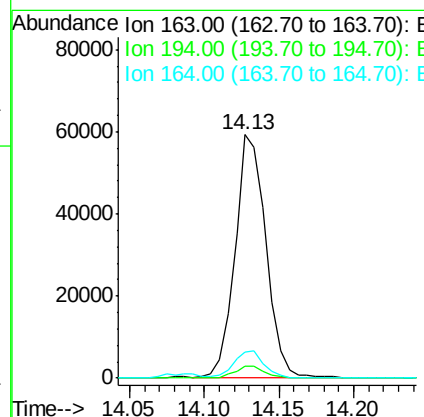
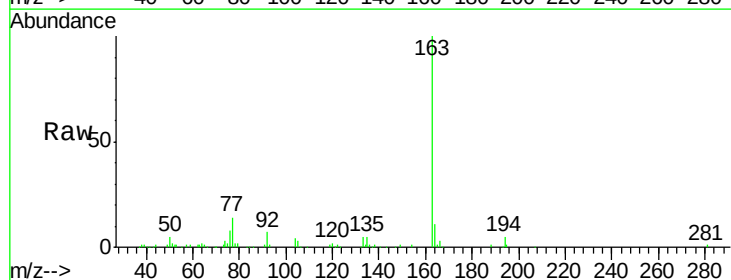
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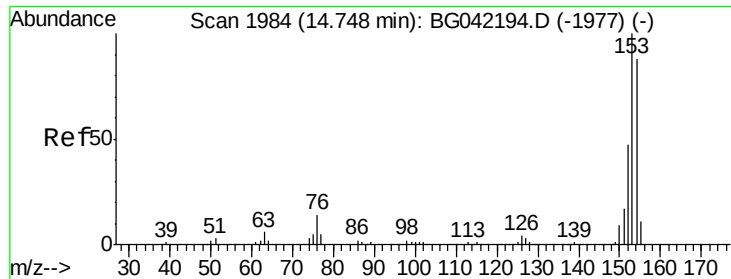
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#44
Dimethylphthalate
Concen: 4.779 ng/ul
RT: 14.13 min Scan# 1879
Delta R.T. -0.00 min
Lab File: BG042202.D
Acq: 14 Aug 2019 9:20

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	4.2	6.2
164	10.8	7.8	11.8





#49

Acenaphthene

Concen: 2.119 ng/ul

RT: 14.75 min Scan# 1985

Delta R.T. 0.00 min

Lab File: BG042202.D

Acq: 14 Aug 2019 9:20

Instrument :

BNA_G

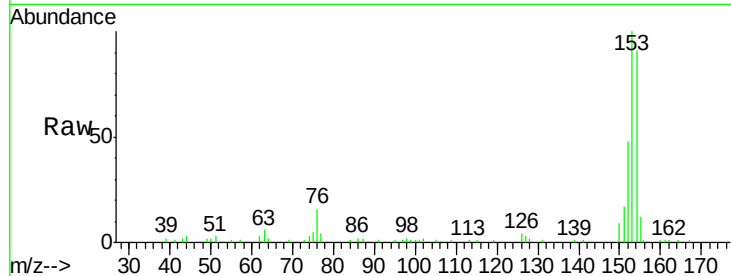
ClientSampled :

CB5N9

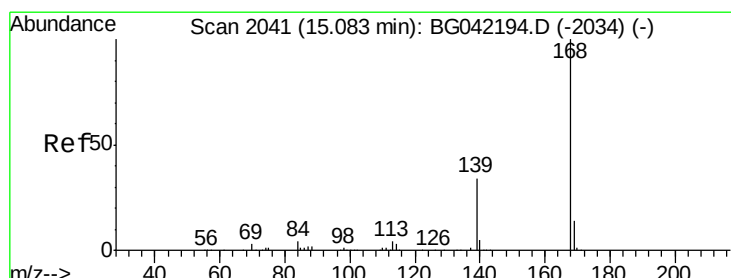
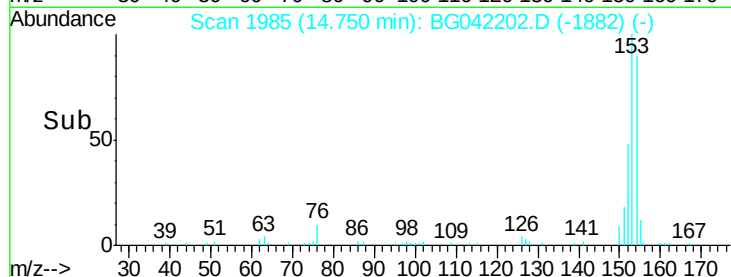
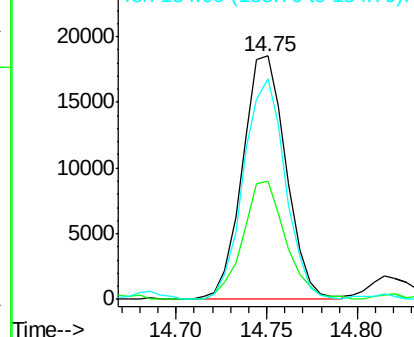
Tot Ion:	153	Resp:	31008
Ion Ratio	Lower	Upper	
153	100		
152	48.5	37.8	56.8
154	90.8	69.4	104.2

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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: 1.454 ng/ul

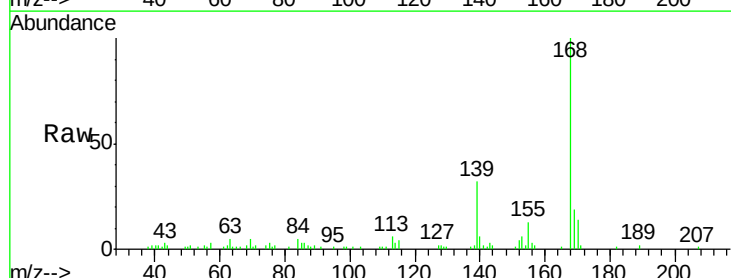
RT: 15.09 min Scan# 2042

Delta R.T. 0.00 min

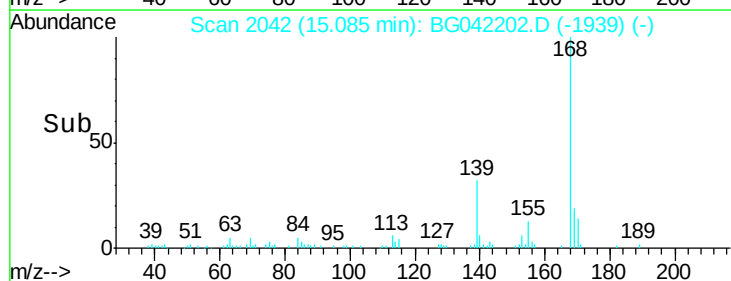
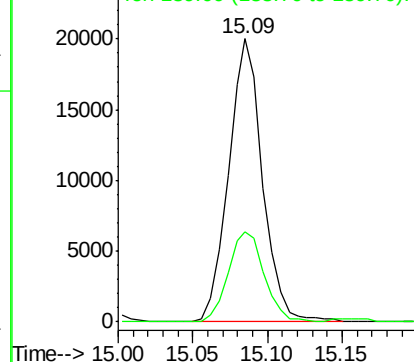
Lab File: BG042202.D

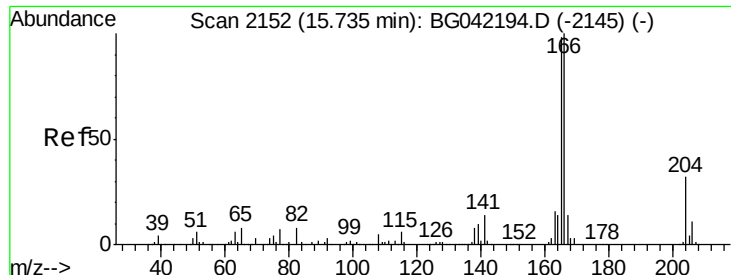
Acq: 14 Aug 2019 9:20

Tgt Ion:	168	Resp:	31749
Ion Ratio	Lower	Upper	
168	100		
139	31.8	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: 2.035 ng/ul

RT: 15.74 min Scan# 2153

Delta R.T. 0.00 min

Lab File: BG042202.D

Acq: 14 Aug 2019 9:20

Instrument :

BNA_G

ClientSampleId :

CB5N9

Tot Ion:166 Resp: 35799

Ion Ratio Lower Upper

166 100

165 92.5 81.1 121.7

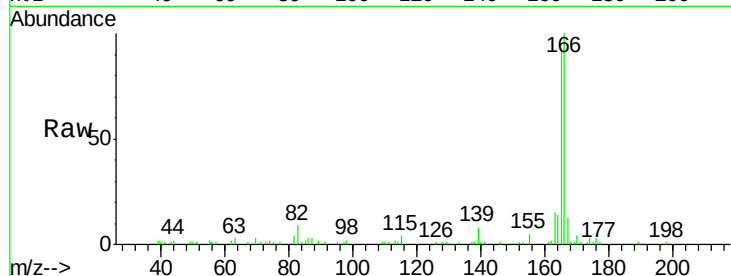
167 12.8 11.0 16.4

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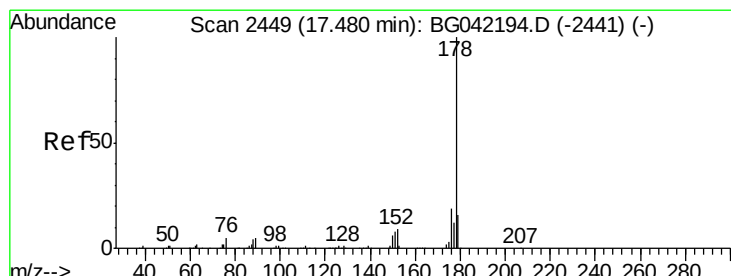
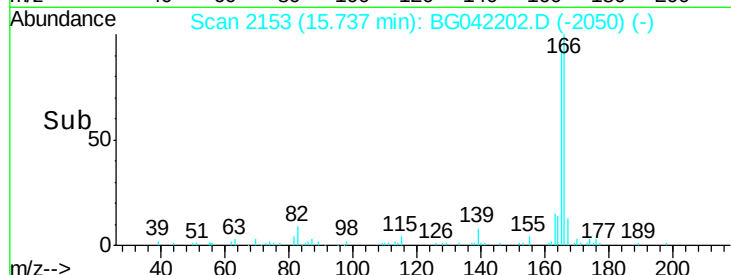
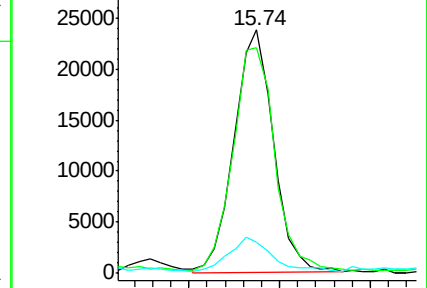
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 20.636 ng/ul

RT: 17.48 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BG042202.D

Acq: 14 Aug 2019 9:20

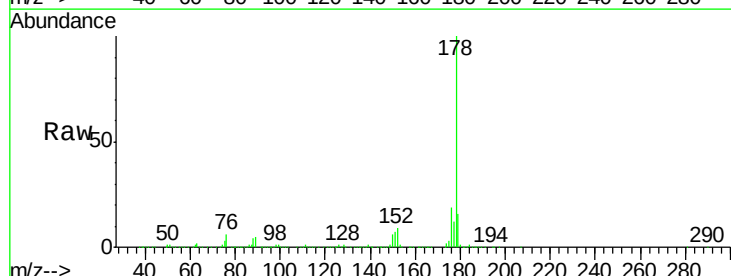
Tgt Ion:178 Resp: 537514

Ion Ratio Lower Upper

178 100

179 15.6 12.8 19.2

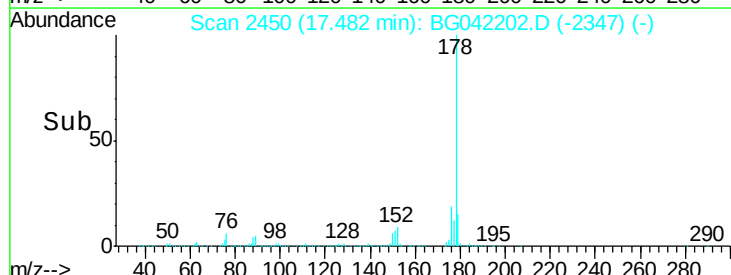
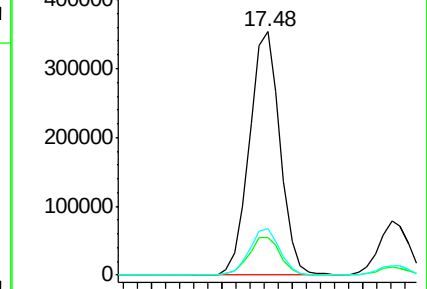
176 19.0 15.4 23.2

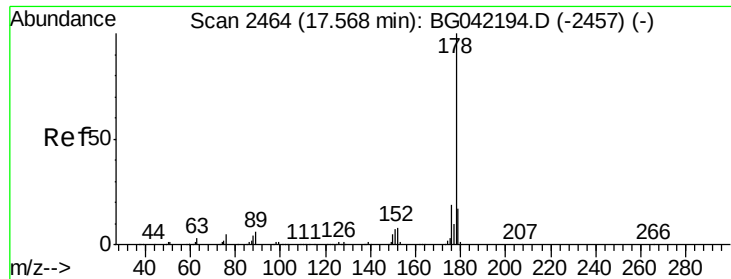


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





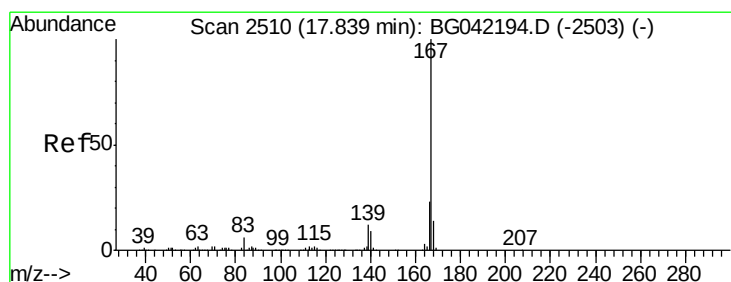
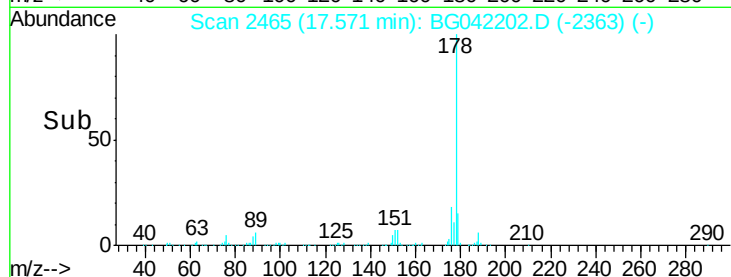
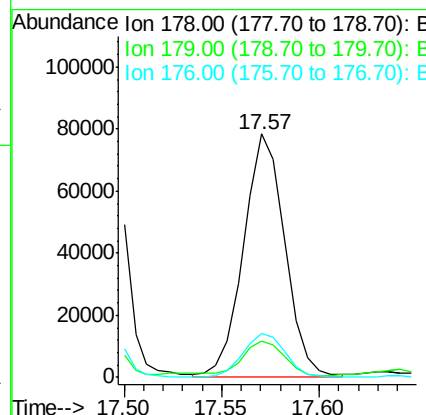
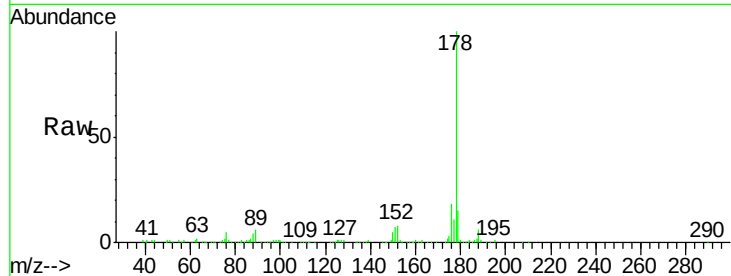
#71
 Anthracene
 Concen: 4.341 ng/ul
 RT: 17.57 min Scan# 2465
 Delta R.T. -0.00 min
 Lab File: BG042202.D
 Acq: 14 Aug 2019 9:20

Instrument :
 BNA_G
 ClientSampleId :
 CB5N9

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	13.4	20.0
176	18.2	15.4	23.2

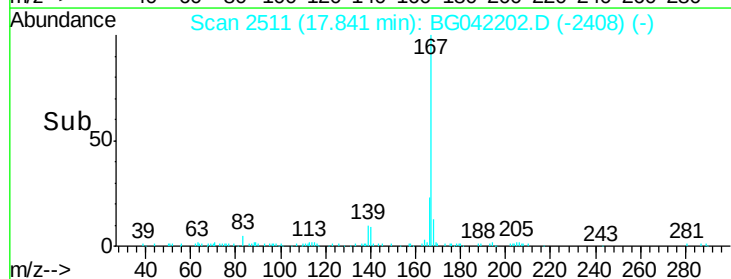
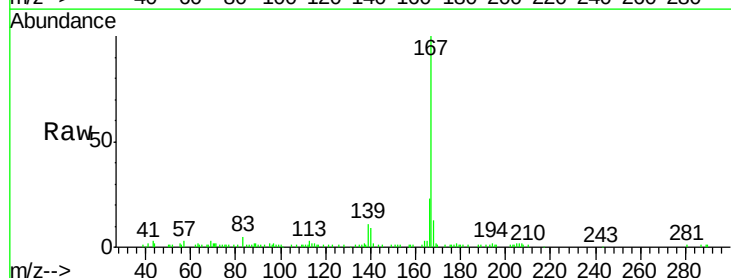
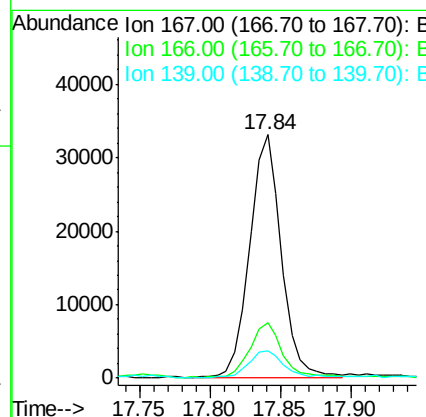
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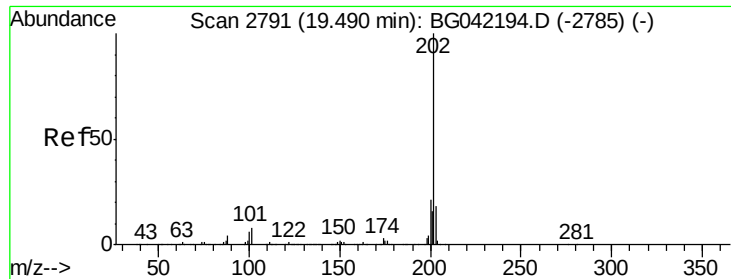
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#74
 Carbazole
 Concen: 2.388 ng/ul
 RT: 17.84 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: BG042202.D
 Acq: 14 Aug 2019 9:20

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.7	18.2	27.4
139	11.3	9.6	14.4





#76

Fluoranthene

Concen: 28.021 ng/ul

RT: 19.49 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BG042202.D

Acq: 14 Aug 2019 9:20

Instrument :

BNA_G

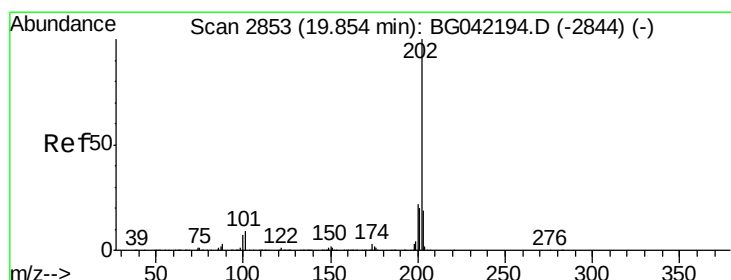
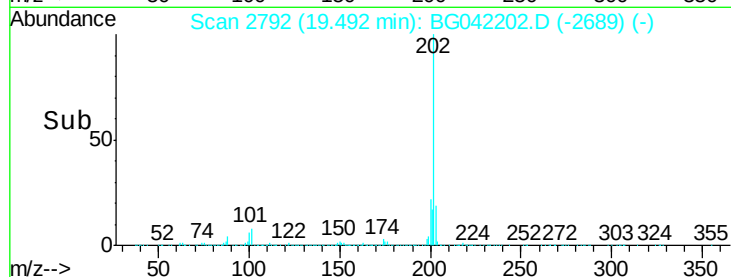
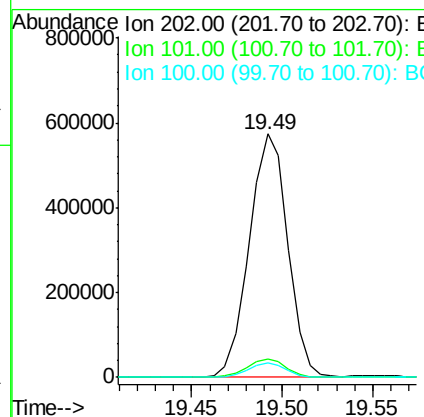
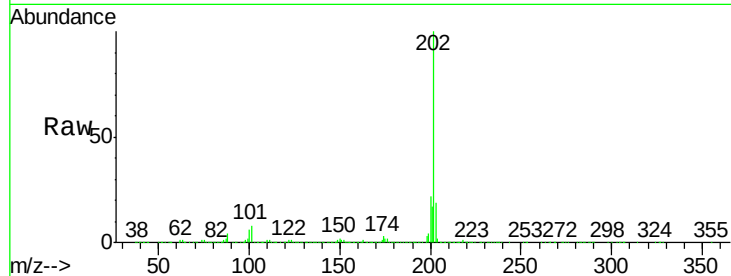
ClientSampleId :

CB5N9

Tot Ion:	202	Resp:	843286
Ion Ratio	Lower	Upper	
202	100		
101	7.7	6.7	10.1
100	5.8	5.3	7.9

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#79

Pyrene

Concen: 22.526 ng/ul

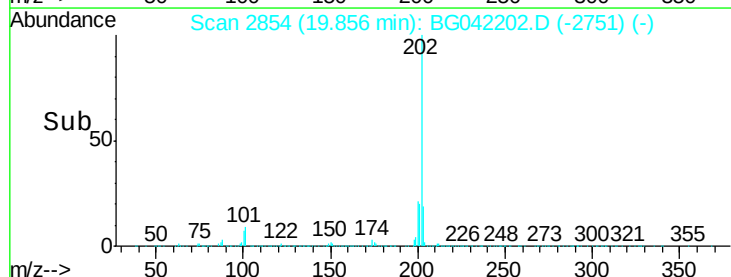
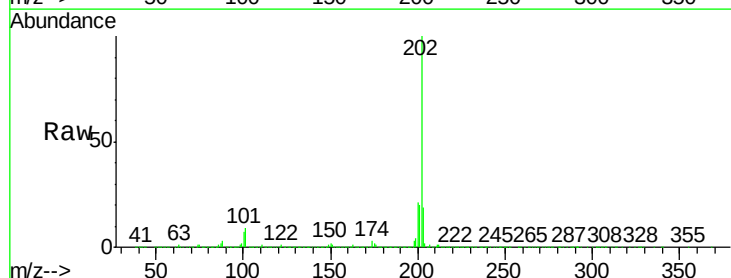
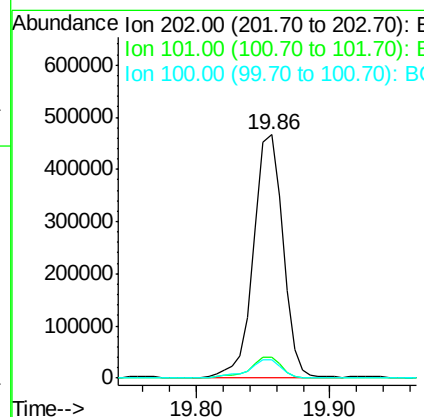
RT: 19.86 min Scan# 2854

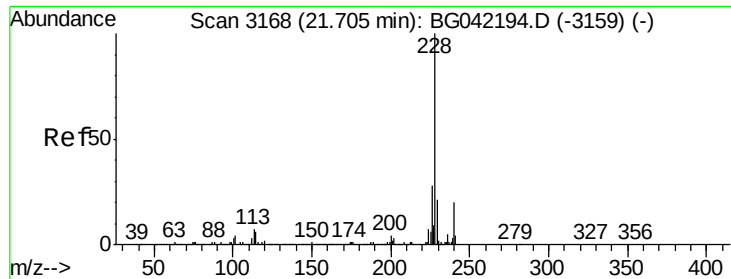
Delta R.T. 0.00 min

Lab File: BG042202.D

Acq: 14 Aug 2019 9:20

Tgt Ion:	202	Resp:	704915
Ion Ratio	Lower	Upper	
202	100		
101	8.6	7.6	11.4
100	7.3	6.5	9.7





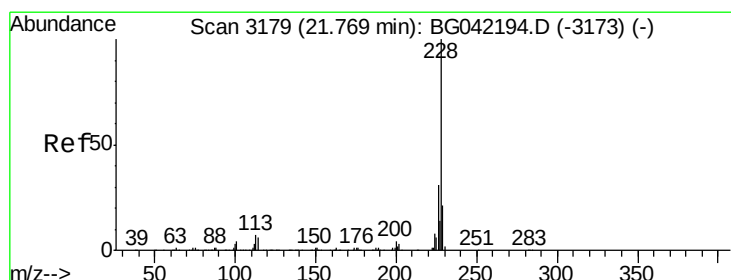
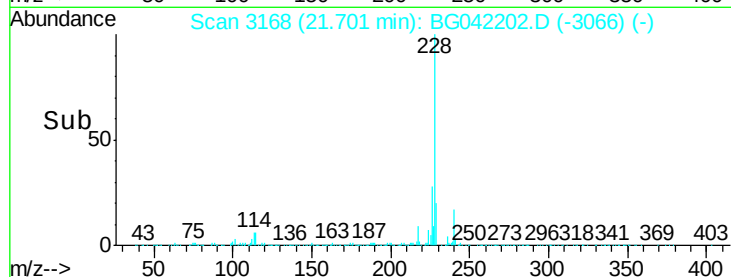
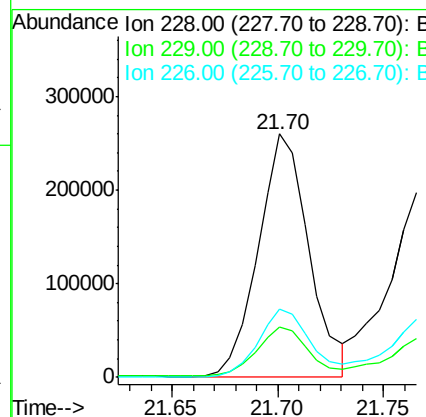
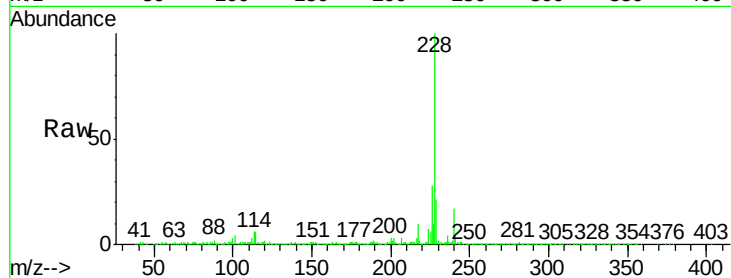
#82
Benzo(a)anthracene
Concen: 13.333 ng/ul
RT: 21.70 min Scan# 3168
Delta R.T. -0.00 min
Lab File: BG042202.D
Acq: 14 Aug 2019 9:20

Instrument :
BNA_G
ClientSampleId :
CB5N9

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.9	17.0	25.6
226	28.1	23.3	34.9

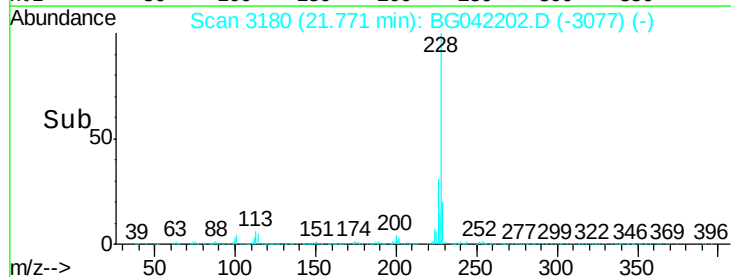
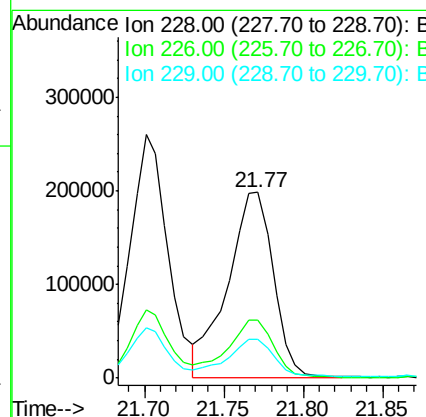
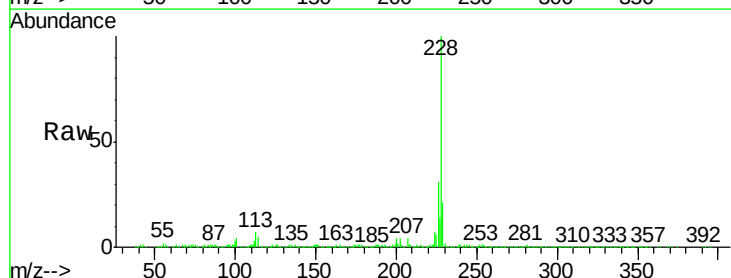
Manual Integrations
APPROVED

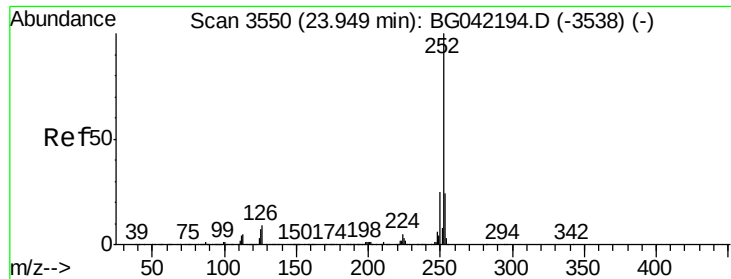
mohammad
8/15/2019 5:11:42 PM



#84
Chrysene
Concen: 13.136 ng/ul
RT: 21.77 min Scan# 3180
Delta R.T. 0.00 min
Lab File: BG042202.D
Acq: 14 Aug 2019 9:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.7	38.5
229	20.7	16.6	24.8





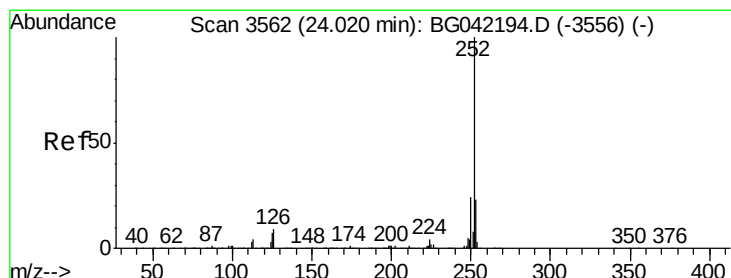
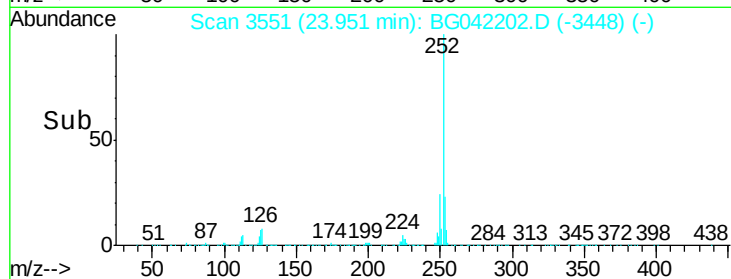
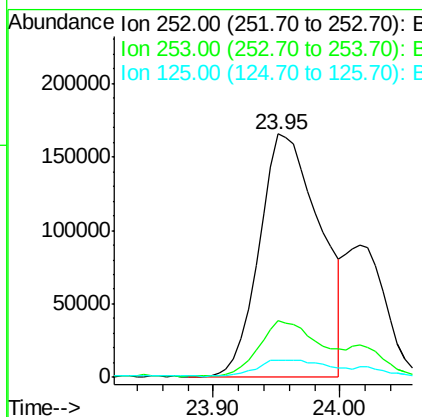
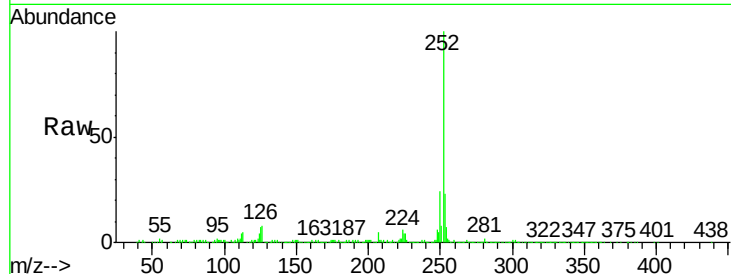
#87
Benzo(b)fluoranthene
Concen: 15.720 ng/ul
RT: 23.95 min Scan# 3551
Delta R.T. 0.00 min
Lab File: BG042202.D
Acq: 14 Aug 2019 9:20

Instrument :
BNA_G
ClientSampled :
CB5N9

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	7.2	5.8	8.8

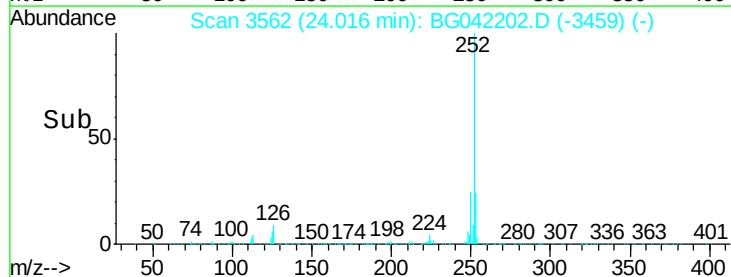
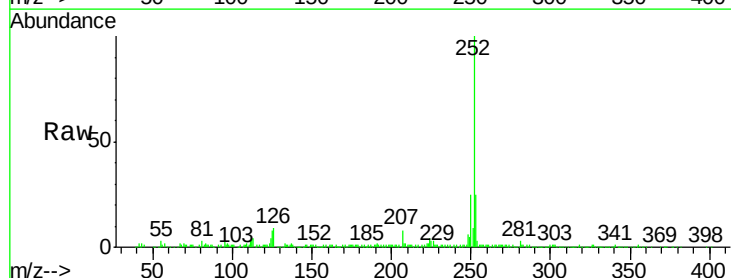
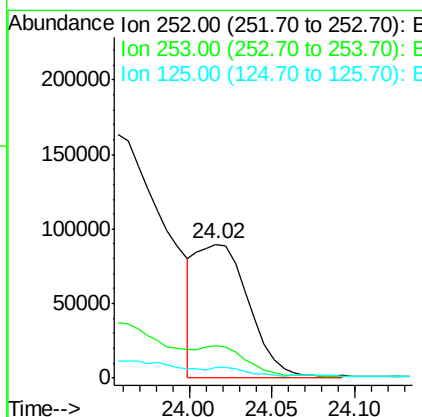
Manual Integrations
APPROVED

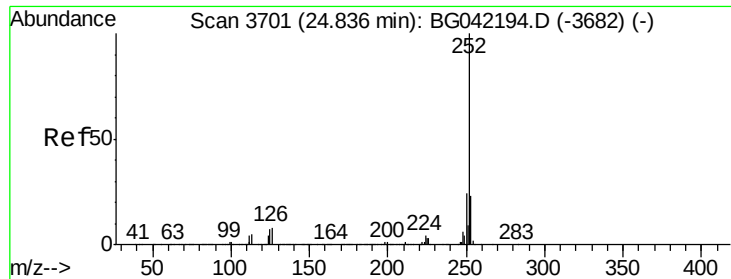
mohammad
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#88
Benzo(k)fluoranthene
Concen: 6.080 ng/ul m
RT: 24.02 min Scan# 3562
Delta R.T. 0.00 min
Lab File: BG042202.D
Acq: 14 Aug 2019 9:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.3	27.5
125	7.7	5.5	8.3





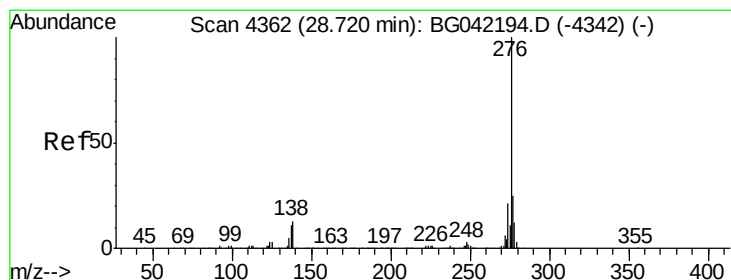
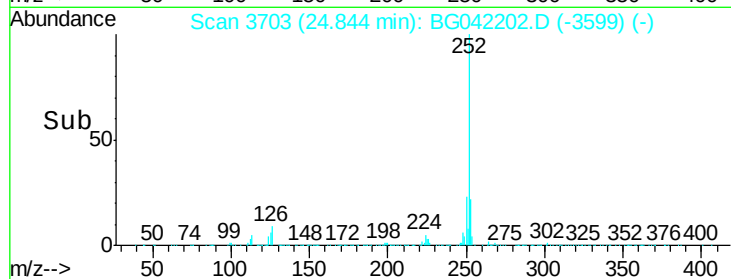
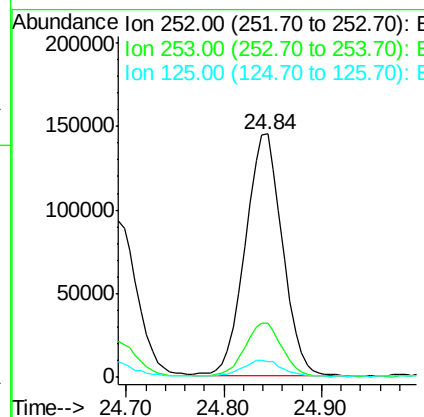
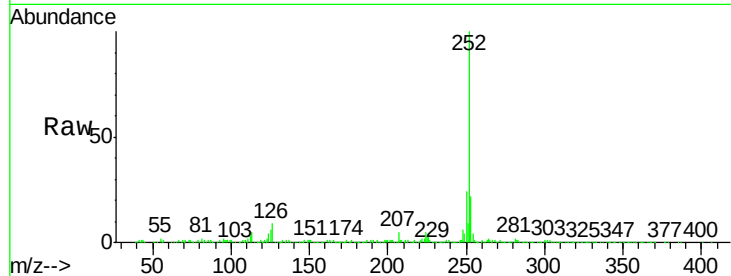
#90
Benzo(a)pyrene
Concen: 11.692 ng/ul
RT: 24.84 min Scan# 3703
Delta R.T. 0.01 min
Lab File: BG042202.D
Acq: 14 Aug 2019 9:20

Instrument :
BNA_G
ClientSampleId :
CB5N9

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.4	18.3	27.5
125	6.4	6.5	9.7

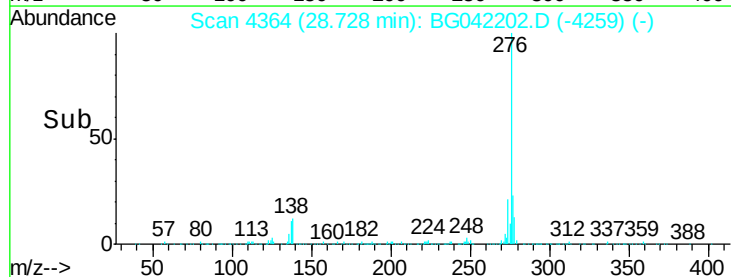
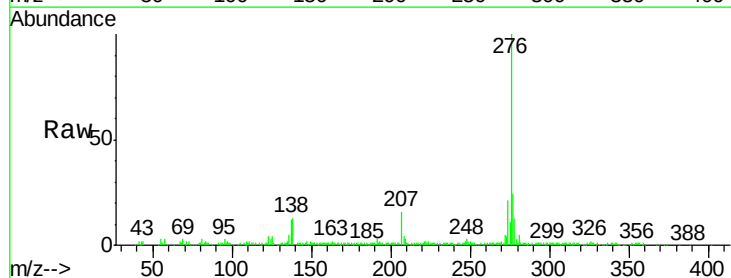
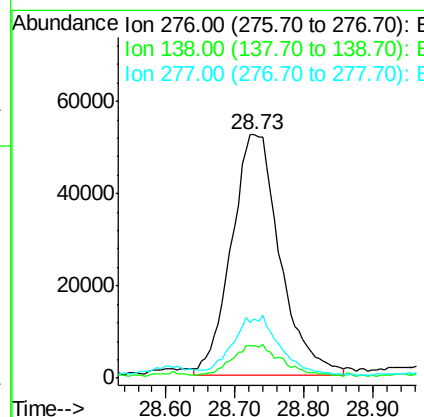
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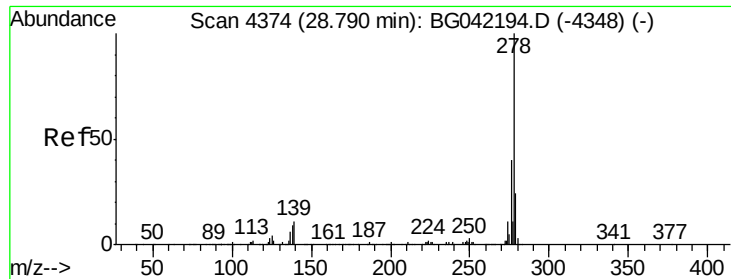
mohammad
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#91
Indeno(1,2,3-cd)pyrene
Concen: 6.559 ng/ul m
RT: 28.73 min Scan# 4364
Delta R.T. 0.01 min
Lab File: BG042202.D
Acq: 14 Aug 2019 9:20

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	13.2	12.0	18.0
277	24.2	19.2	28.8





#92

Dibenzo(a,h)anthracene

Concen: 2.209 ng/ul m

RT: 28.76 min Scan# 4370

Delta R.T. -0.01 min

Lab File: BG042202.D

Acq: 14 Aug 2019 9:20

Instrument :

BNA_G

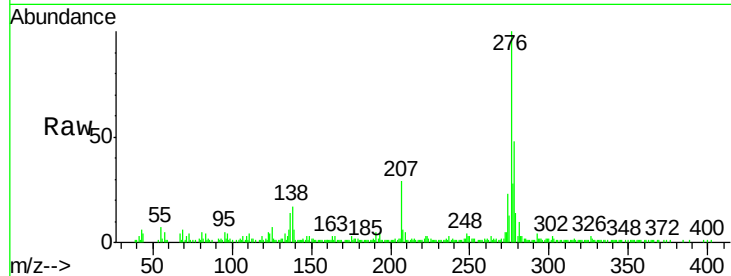
ClientSampleId :

CB5N9

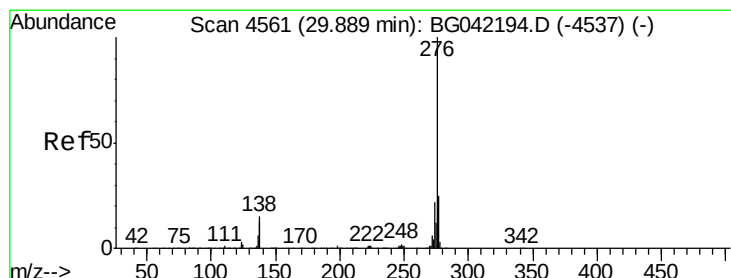
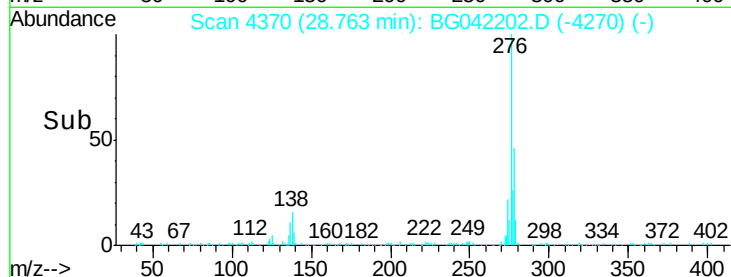
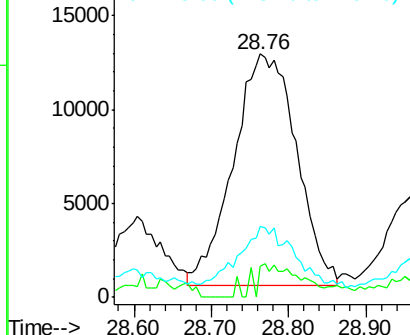
Tot Ion:	278	Resp:	69765
Ion Ratio	Lower	Upper	
278	100		
139	12.8	9.4	14.0
279	28.9	19.2	28.8#

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: 5.837 ng/ul

RT: 29.90 min Scan# 4563

Delta R.T. 0.02 min

Lab File: BG042202.D

Acq: 14 Aug 2019 9:20

Tgt Ion:	276	Resp:	188687
Ion Ratio	Lower	Upper	
276	100		
138	12.8	12.6	18.8
277	23.3	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

