

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
 Data File : BG042198.D
 Acq On : 14 Aug 2019 6:46
 Operator : HP/JU
 Sample : K4304-04
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB5N5

Manual Integrations
 APPROVED

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Quant Time: Aug 14 08:52:26 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	83764	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	350127	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	241651	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	493785	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	479749	20.00	ng/ul	0.00
85) Perylene-d12	25.00	264	581525	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	8600	4.49	ng/uL	0.00
5) Phenol-d5	7.18	99	205186	31.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	102140	27.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	186733	33.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	178823	32.40	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	93838	35.60	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	117909	38.53	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	216202	35.00	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	231433	33.76	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	626377	33.42	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	738042	34.47	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	89301	28.38	ng/ul	0.00
57) Fluorene-d10	15.68	176	560688	33.63	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	87886	27.74	ng/ul	0.00
70) Anthracene-d10	17.54	188	814441	34.38	ng/ul	0.00
78) Pyrene-d10	19.83	212	918900	34.32	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	1074559	35.37	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	7.21	94	7856	1.158 ng/ul#	87
28) Naphthalene	10.90	128	124099	6.933 ng/ul	99
34) 2-Methylnaphthalene	12.51	142	38029	2.673 ng/ul	99
44) Dimethylphthalate	14.13	163	99974	5.372 ng/ul	99
47) Acenaphthylene	14.41	152	21721	1.005 ng/ul#	97
49) Acenaphthene	14.75	153	86961	5.756 ng/ul	99
53) Dibenzofuran	15.08	168	99761	4.424 ng/ul	97
58) Fluorene	15.73	166	111407	6.134 ng/ul	96
69) Phenanthrene	17.48	178	1228112	45.431 ng/ul	97
71) Anthracene	17.57	178	317928	11.596 ng/ul	100
74) Carbazole	17.84	167	135847	5.982 ng/ul	99
76) Fluoranthene	19.50	202	1607644	51.471 ng/ul	100
79) Pyrene	19.86	202	1343640	41.637 ng/ul	99
82) Benzo(a)anthracene	21.70	228	848410	25.506 ng/ul	99
84) Chrysene	21.77	228	782583	25.207 ng/ul	99
87) Benzo(b)fluoranthene	23.96	252	1091854	29.919 ng/ul	100
88) Benzo(k)fluoranthene	24.02	252	365617m	10.420 ng/ul	
90) Benzo(a)pyrene	24.84	252	771171	22.176 ng/ul	100
91) Indeno(1,2,3-cd)pyrene	28.73	276	486428	11.992 ng/ul	98
92) Dibenzo(a,h)anthracene	28.78	278	130284	3.938 ng/ul	98
93) Benzo(a,h,i)perylene	29.89	276	365621	10.796 ng/ul	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

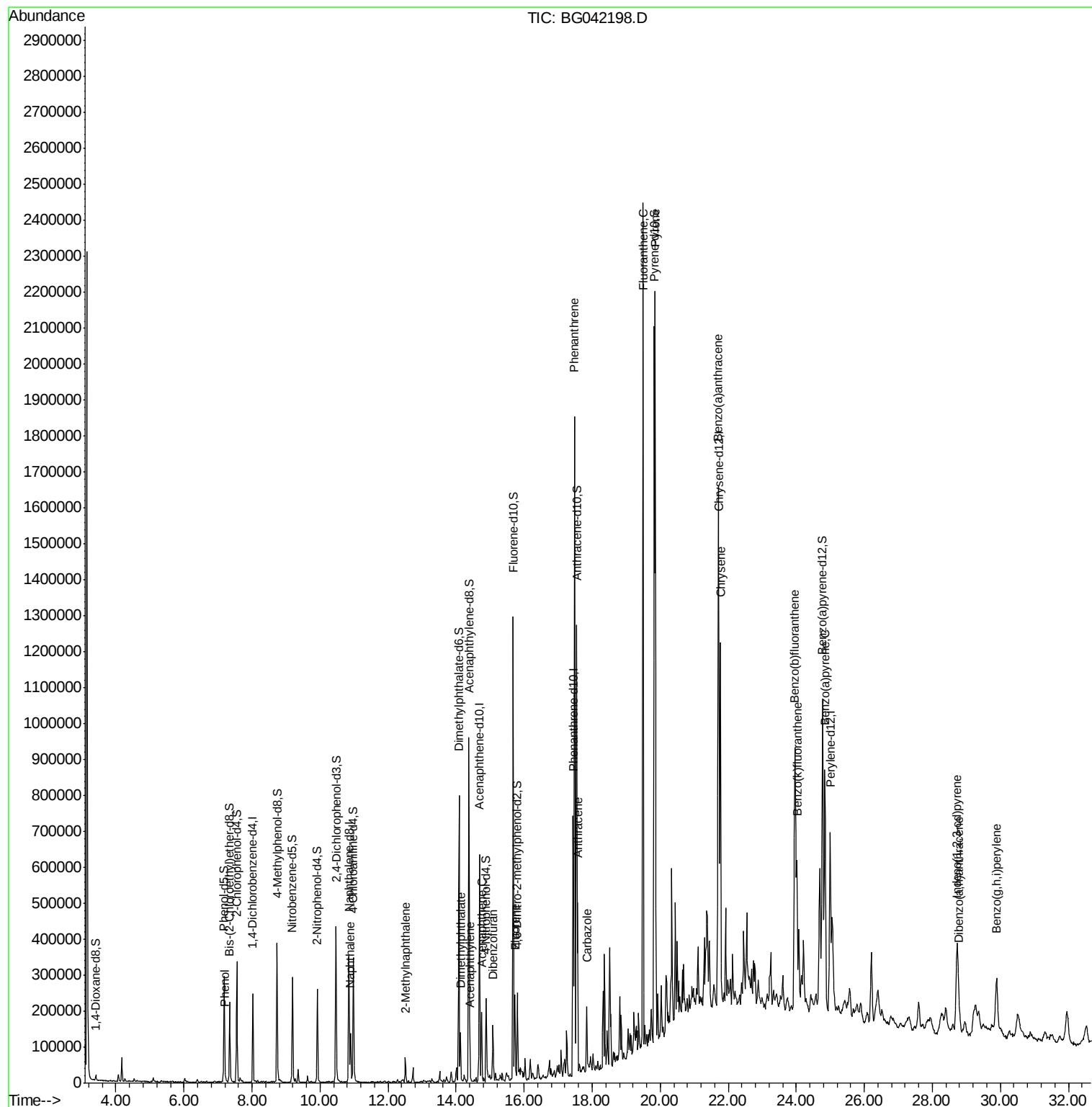
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042198.D
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Operator : HP/JU
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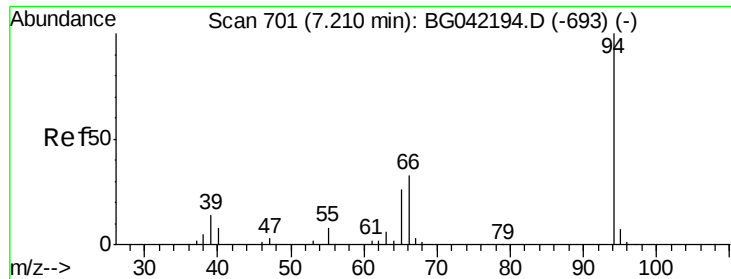
Instrument :
BNA_G
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CB5N5

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#6

Phenol

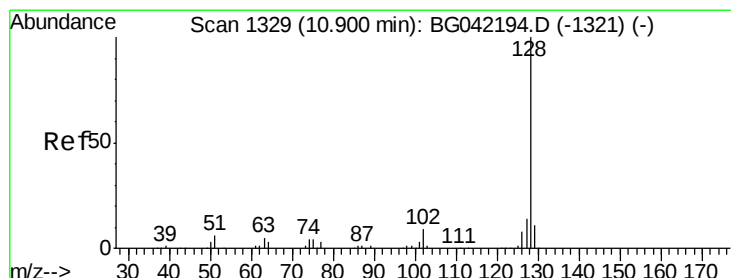
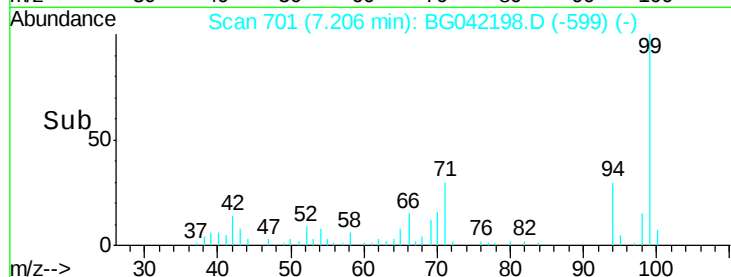
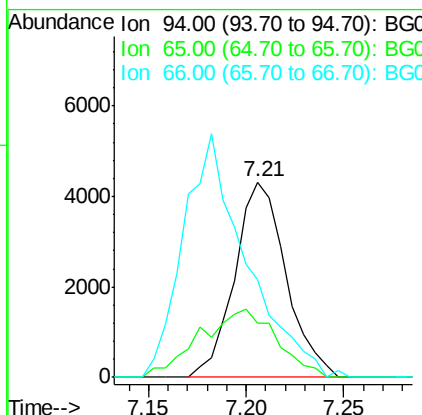
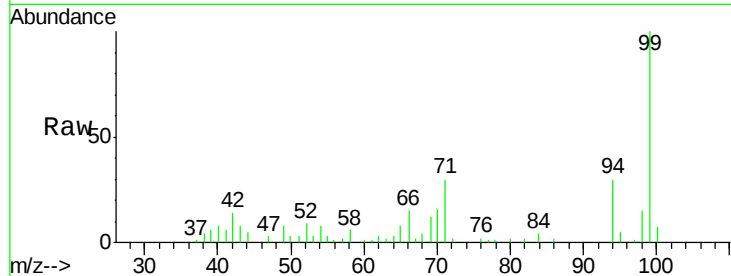
Concen: 1.158 ng/ul
 RT: 7.21 min Scan# 701
 Delta R.T. -0.00 min
 Lab File: BG042198.D
 Acq: 14 Aug 2019 6:46

Instrument :
 BNA_G
 ClientSampleId :
 CB5N5

Tot Ion	Ratio	Lower	Upper
94	100		
65	27.7	25.8	38.6
66	50.1	31.8	47.8

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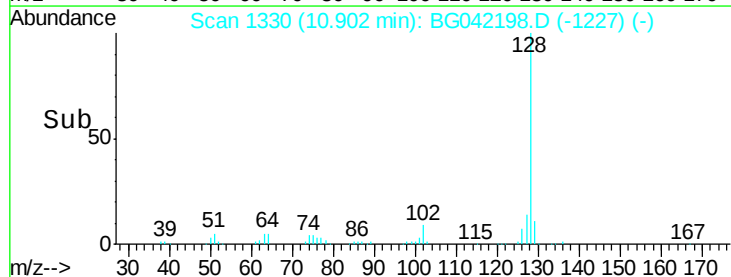
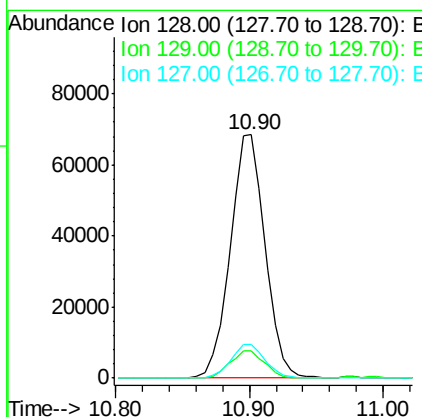
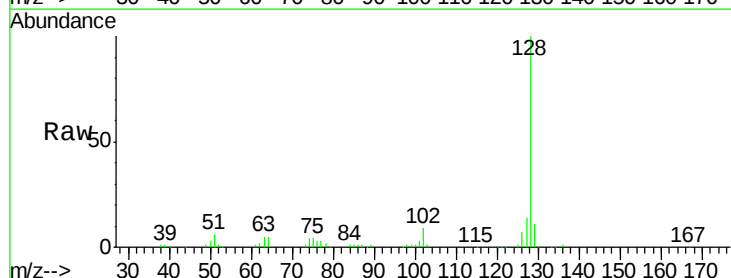


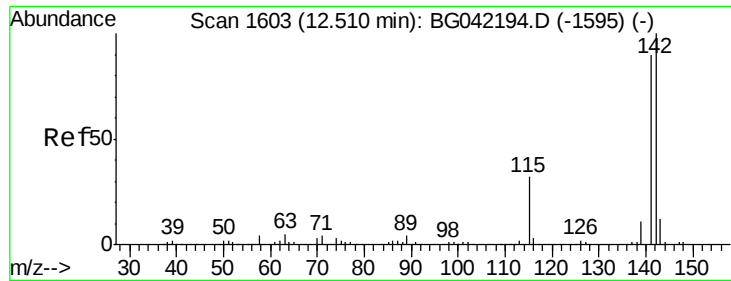
#28

Naphthalene

Concen: 6.933 ng/ul
 RT: 10.90 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: BG042198.D
 Acq: 14 Aug 2019 6:46

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.5	14.3
127	14.0	11.4	17.0





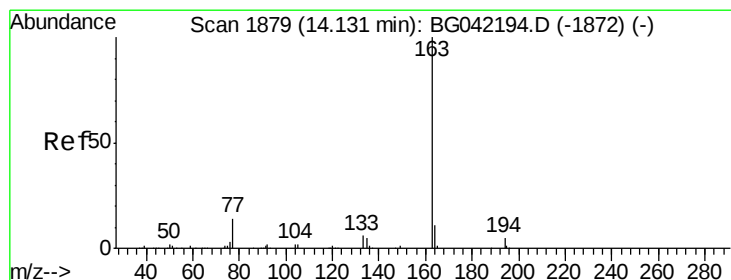
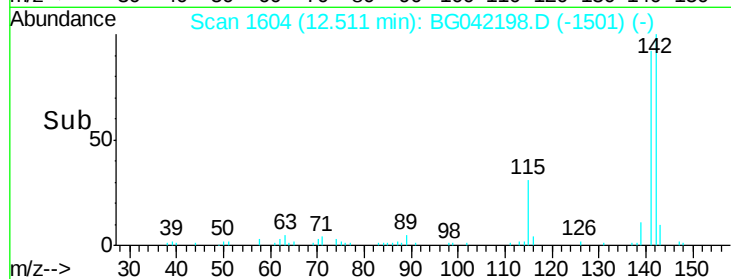
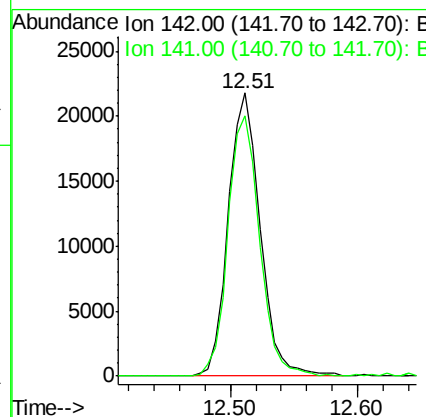
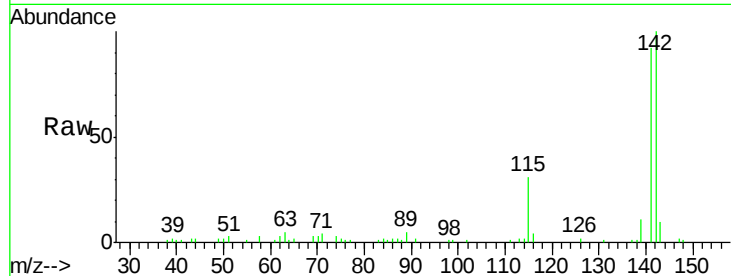
#34
 2-Methylnaphthalene
 Concen: 2.673 ng/ul
 RT: 12.51 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: BG042198.D
 Acq: 14 Aug 2019 6:46

Instrument :
 BNA_G
 ClientSampled :
 CB5N5

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.1	72.9	109.3

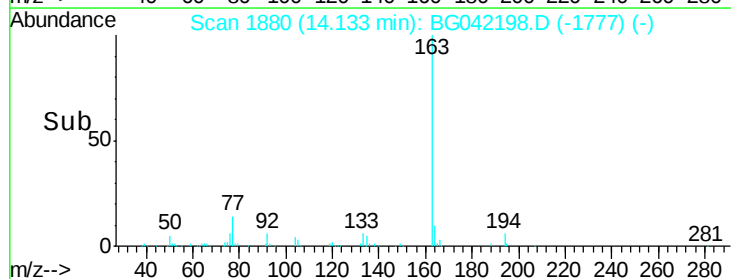
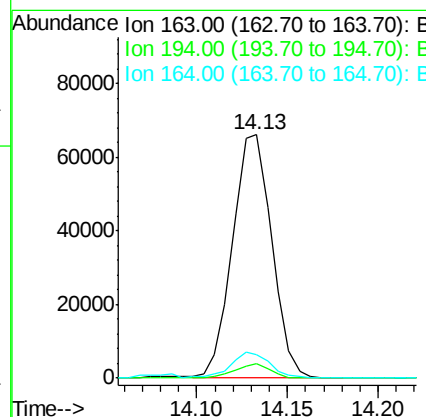
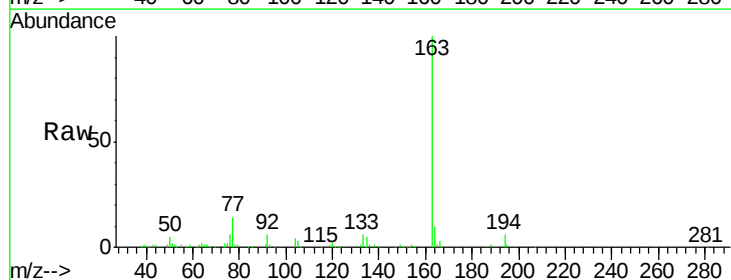
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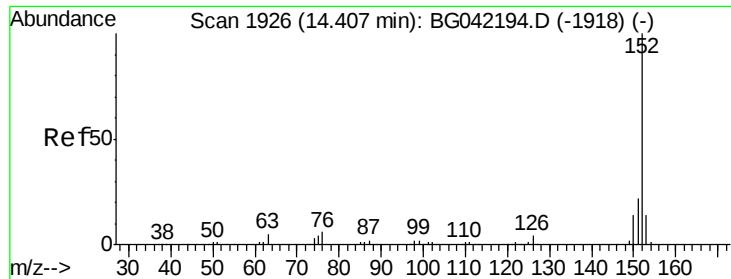
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#44
 Dimethylphthalate
 Concen: 5.372 ng/ul
 RT: 14.13 min Scan# 1880
 Delta R.T. 0.00 min
 Lab File: BG042198.D
 Acq: 14 Aug 2019 6:46

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.9	4.2	6.2
164	9.5	7.8	11.8





#47

Acenaphthylene

Concen: 1.005 ng/ul

RT: 14.41 min Scan# 1927

Delta R.T. 0.00 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

Instrument :

BNA_G

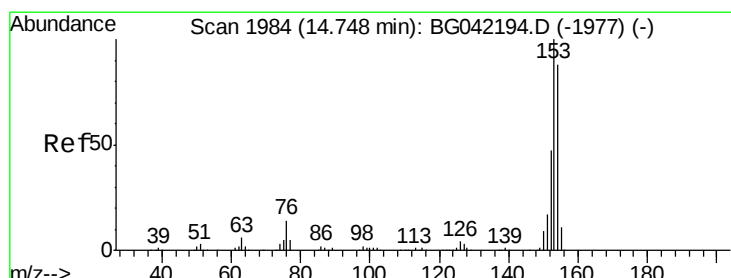
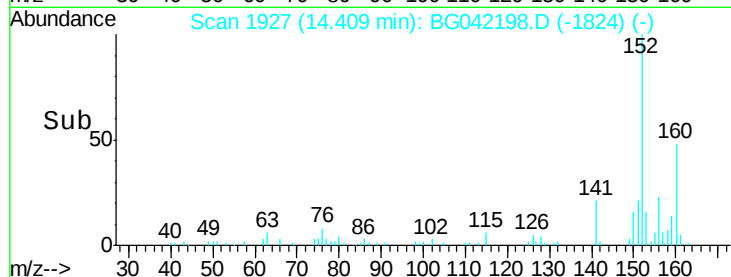
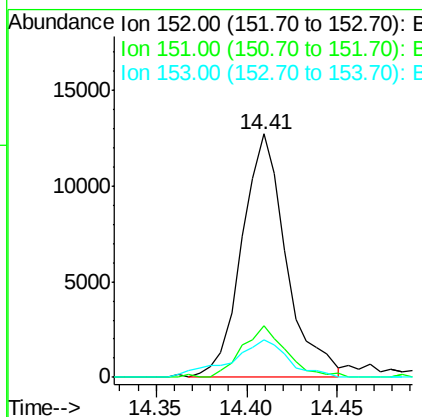
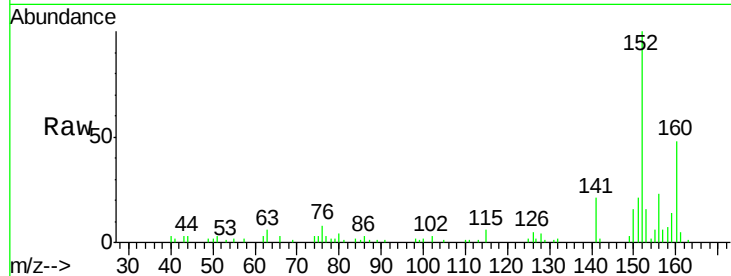
ClientSampleId :

CB5N5

Tot Ion:	152	Resp:	21721
Ion Ratio	Lower	Upper	
152	100		
151	21.0	16.8	25.2
153	15.7	10.3	15.5#

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#49

Acenaphthene

Concen: 5.756 ng/ul

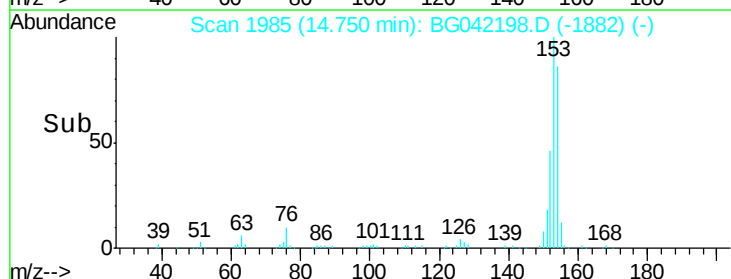
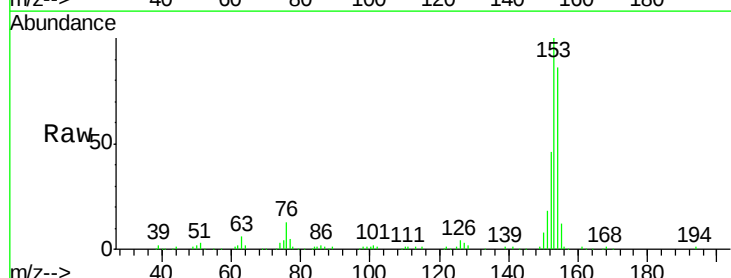
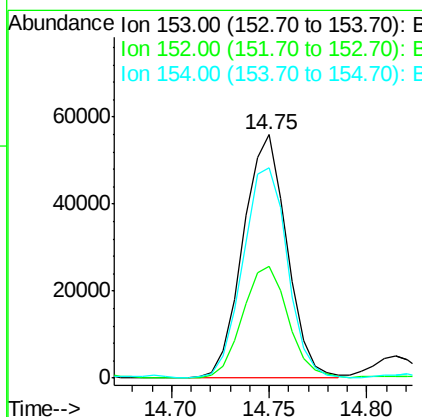
RT: 14.75 min Scan# 1985

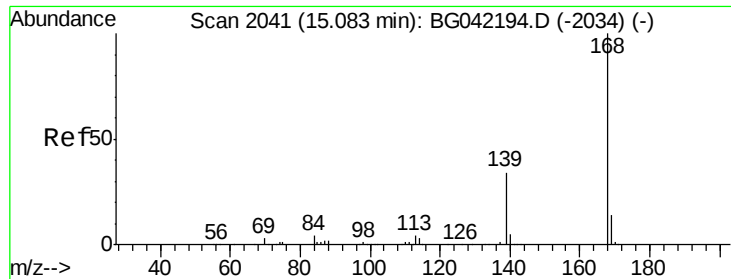
Delta R.T. 0.00 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

Tgt Ion:	153	Resp:	86961
Ion Ratio	Lower	Upper	
153	100		
152	45.7	37.8	56.8
154	86.2	69.4	104.2





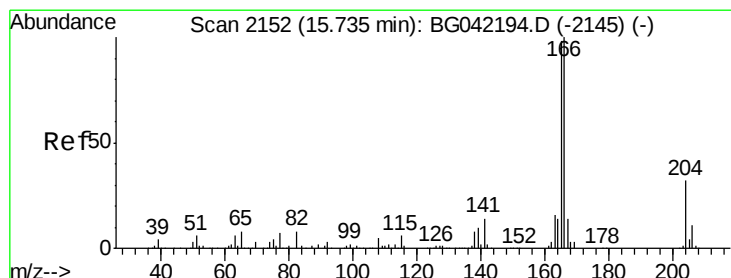
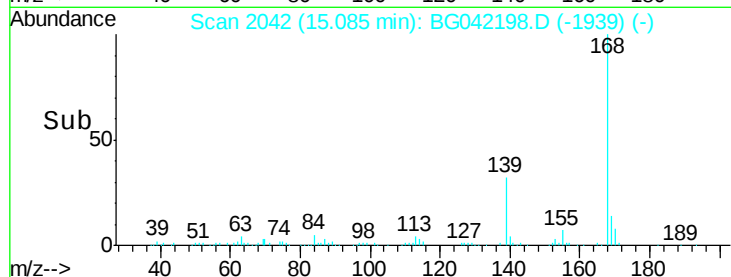
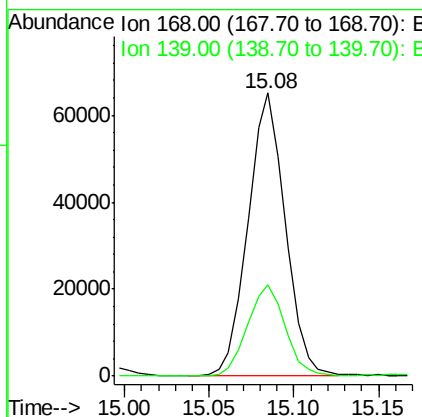
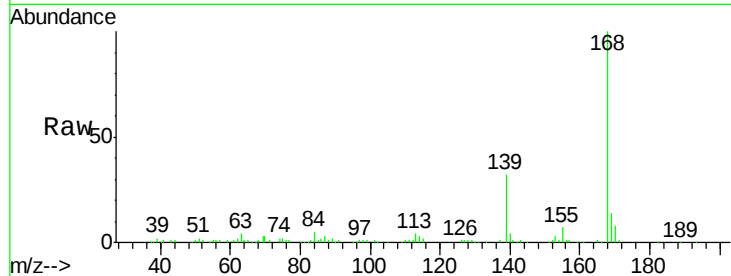
#53
Dibenzenofuran
Concen: 4.424 ng/ul
RT: 15.08 min Scan# 2042
Delta R.T. 0.00 min
Lab File: BG042198.D
Acq: 14 Aug 2019 6:46

Instrument :
BNA_G
ClientSampleId :
CB5N5

Tot Ion	Ratio	Lower	Upper
168	100		
139	32.5	27.3	40.9

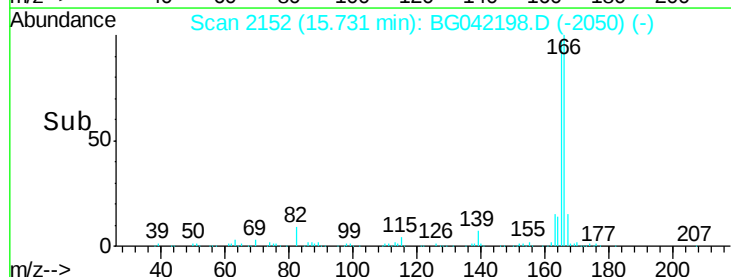
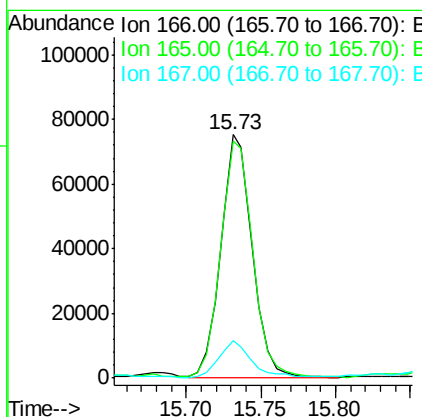
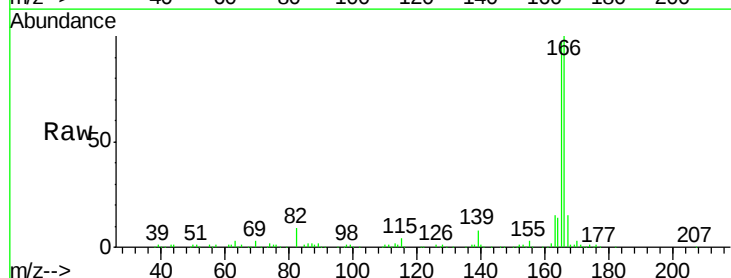
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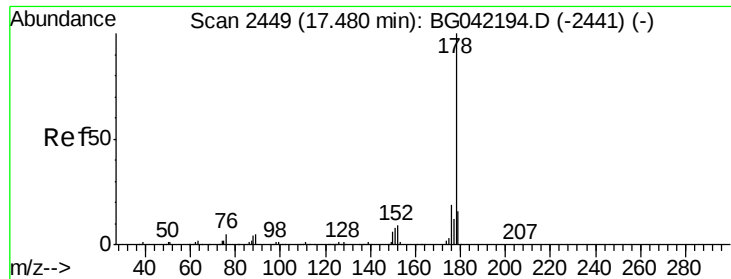
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#58
Fluorene
Concen: 6.134 ng/ul
RT: 15.73 min Scan# 2152
Delta R.T. -0.00 min
Lab File: BG042198.D
Acq: 14 Aug 2019 6:46

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.3	81.1	121.7
167	15.3	11.0	16.4





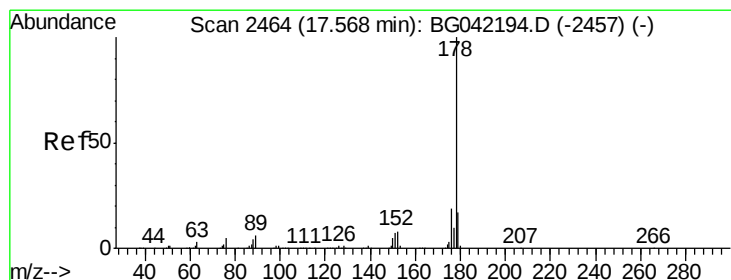
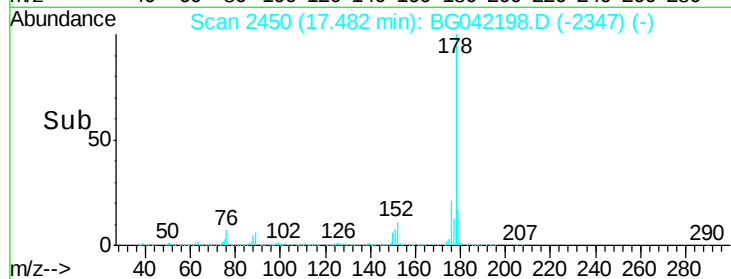
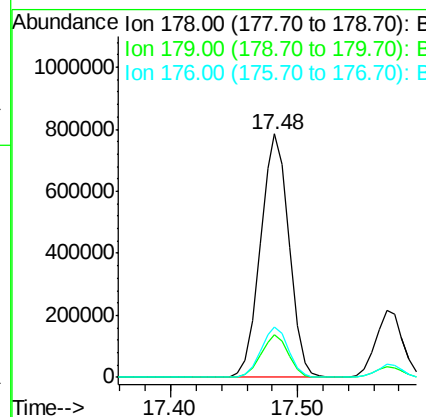
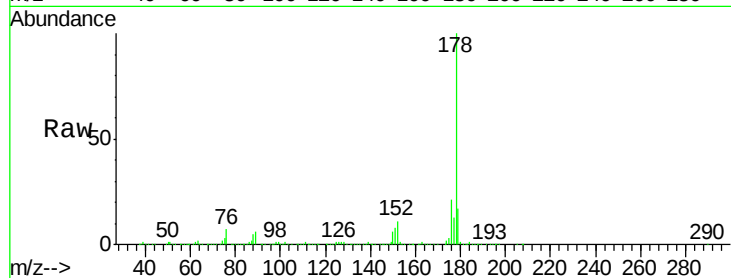
#69
Phenanthrene
Concen: 45.431 ng/ul
RT: 17.48 min Scan# 2450
Delta R.T. 0.00 min
Lab File: BG042198.D
Acq: 14 Aug 2019 6:46

Instrument :
BNA_G
ClientSampled :
CB5N5

Tot Ion	Ratio	Lower	Upper
178	100		
179	17.3	12.8	19.2
176	20.6	15.4	23.2

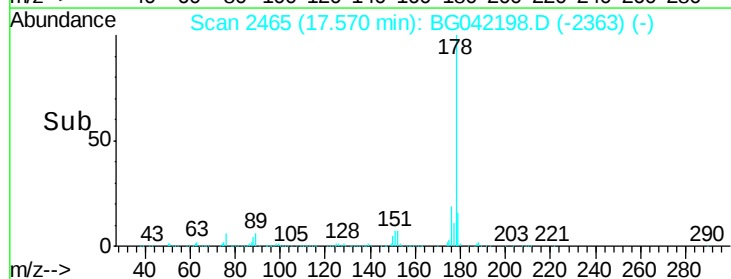
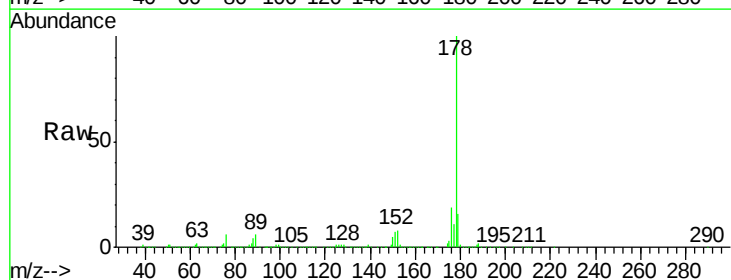
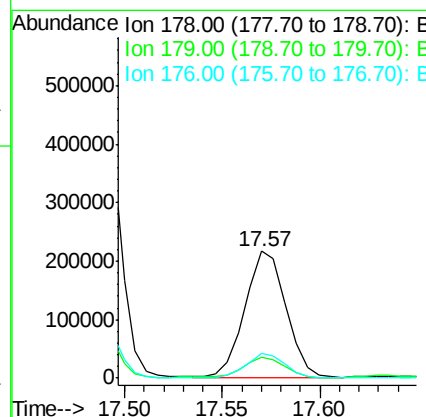
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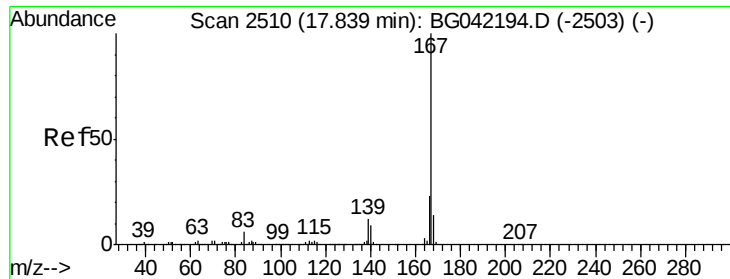
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#71
Anthracene
Concen: 11.596 ng/ul
RT: 17.57 min Scan# 2465
Delta R.T. -0.00 min
Lab File: BG042198.D
Acq: 14 Aug 2019 6:46

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.4	13.4	20.0
176	19.3	15.4	23.2





#74

Carbazole

Concen: 5.982 ng/ul

RT: 17.84 min Scan# 2511

Delta R.T. 0.00 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

Instrument :

BNA_G

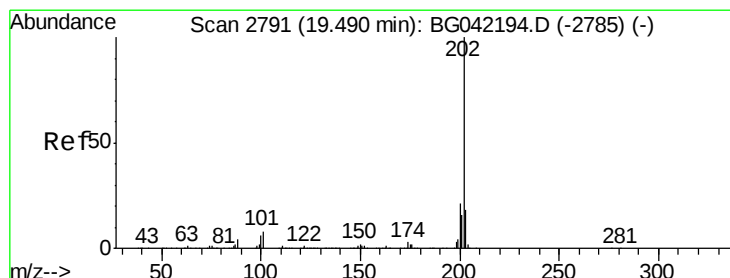
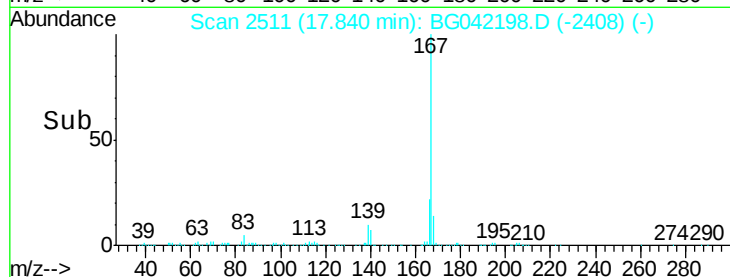
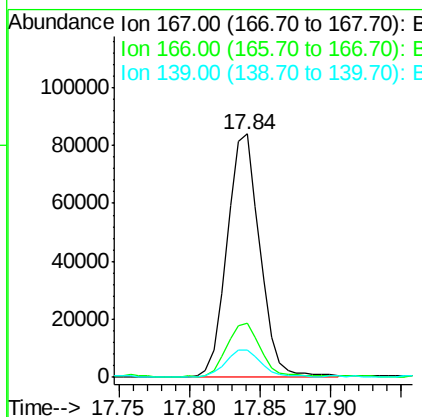
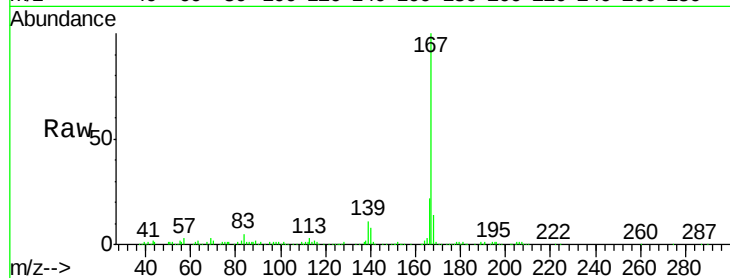
ClientSampleId :

CB5N5

Tot Ion:	167	Resp:	135847
Ion Ratio	Lower	Upper	
167	100		
166	22.2	18.2	27.4
139	11.4	9.6	14.4

Manual Integrations
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#76

Fluoranthene

Concen: 51.471 ng/ul

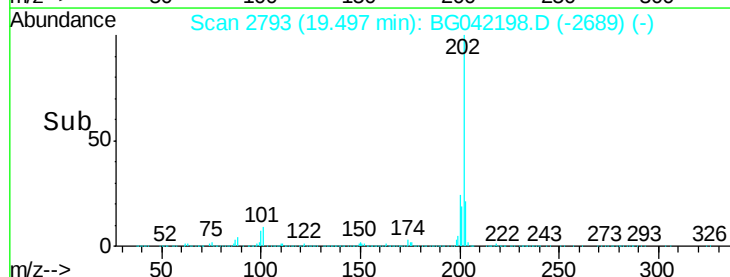
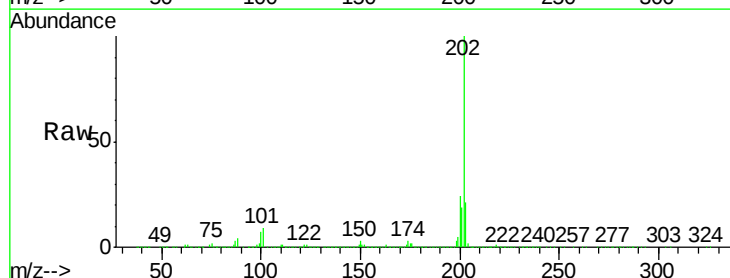
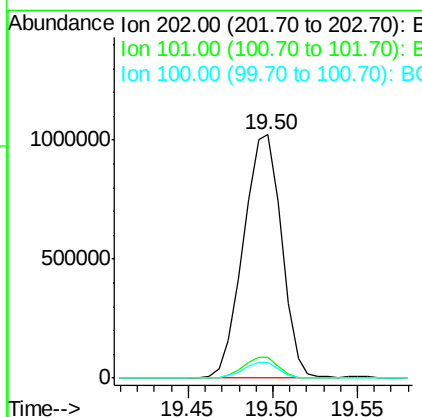
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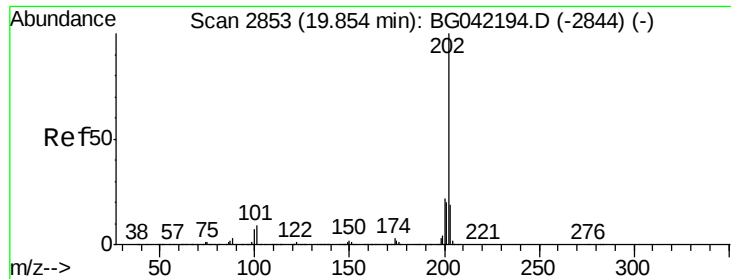
Delta R.T. 0.01 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

Tgt Ion:	202	Resp:	1607644
Ion Ratio	Lower	Upper	
202	100		
101	8.5	6.7	10.1
100	6.6	5.3	7.9





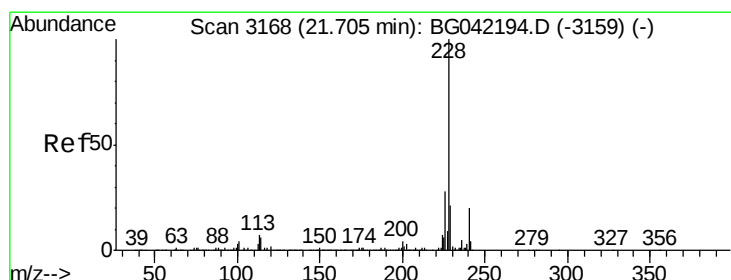
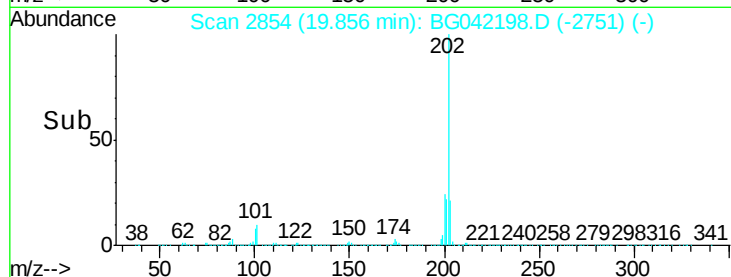
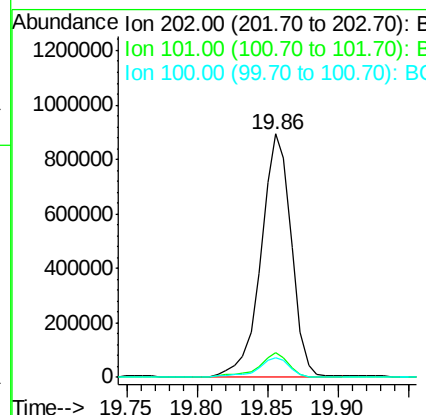
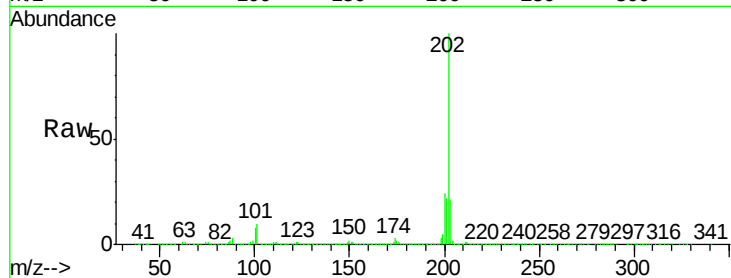
#79
Pvrene
Concen: 41.637 ng/ul
RT: 19.86 min Scan# 2854
Delta R.T. 0.00 min
Lab File: BG042198.D
Acq: 14 Aug 2019 6:46

Instrument :
BNA_G
ClientSampleId :
CB5N5

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.2	7.6	11.4
100	8.3	6.5	9.7

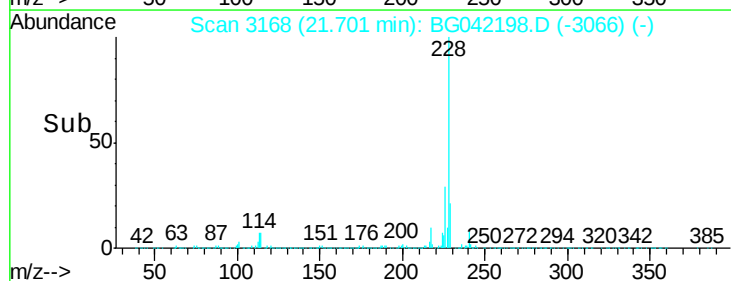
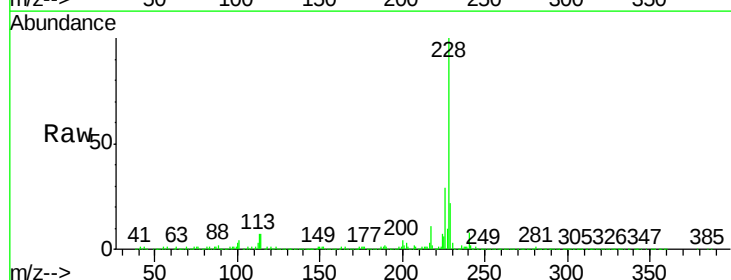
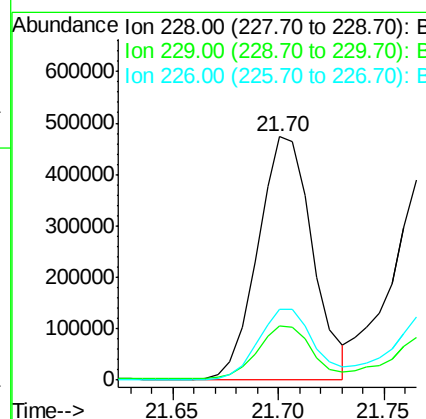
Manual Integrations
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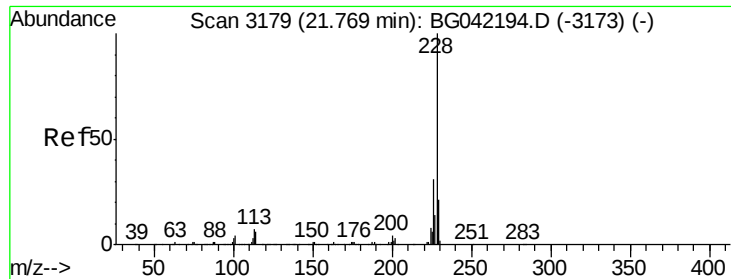
mohammad
8/15/2019 5:11:38 PM



#82
Benzo(a)anthracene
Concen: 25.506 ng/ul
RT: 21.70 min Scan# 3168
Delta R.T. -0.00 min
Lab File: BG042198.D
Acq: 14 Aug 2019 6:46

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.3	17.0	25.6
226	28.9	23.3	34.9





#84

Chrysene

Concen: 25.207 ng/ul

RT: 21.77 min Scan# 3180

Delta R.T. 0.00 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

Instrument :

BNA_G

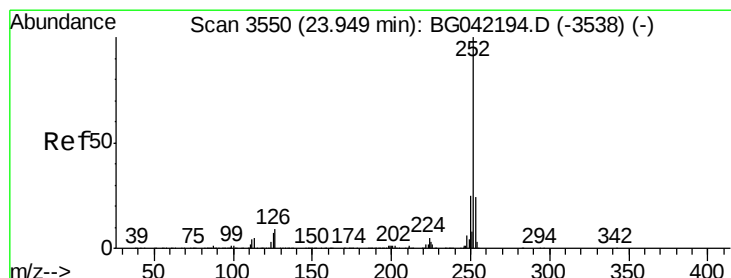
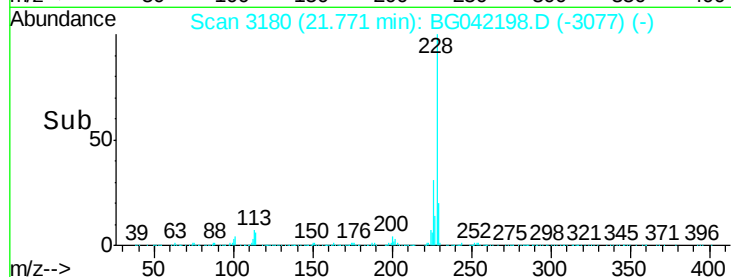
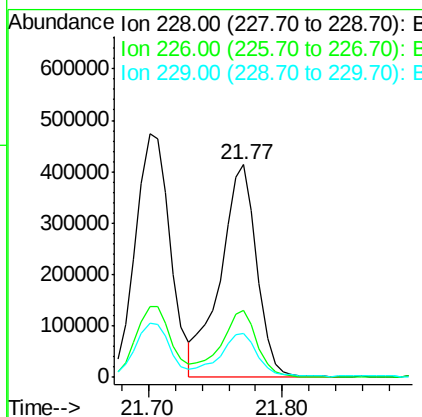
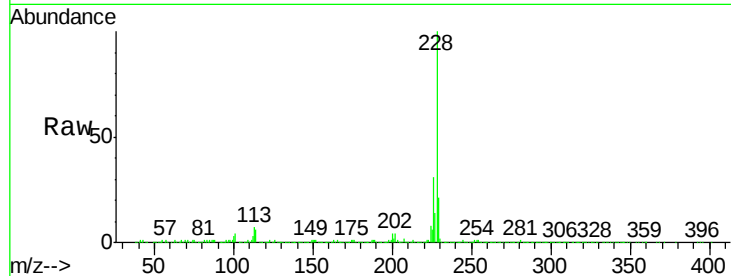
ClientSampleId :

CB5N5

Tot Ion:	228	Resp:	782583
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.7	38.5
229	20.8	16.6	24.8

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#87

Benzo(b)fluoranthene

Concen: 29.919 ng/ul

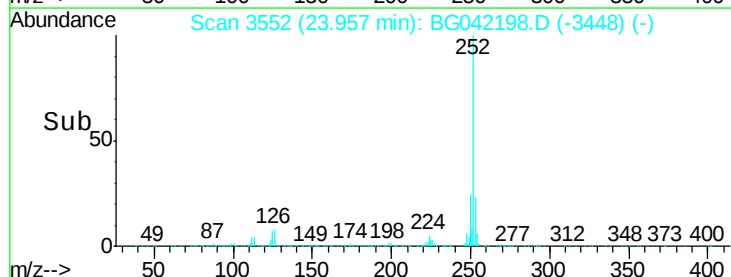
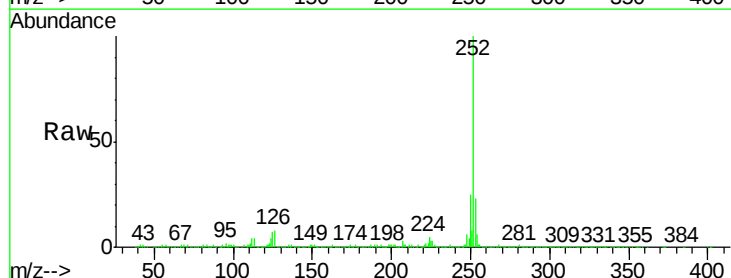
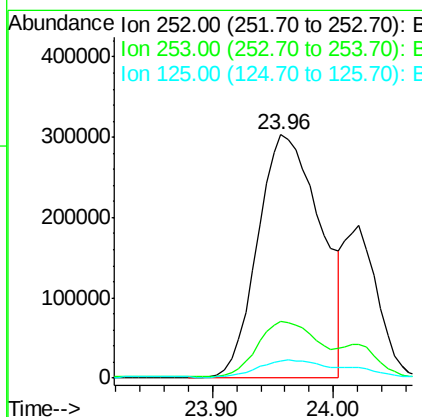
RT: 23.96 min Scan# 3552

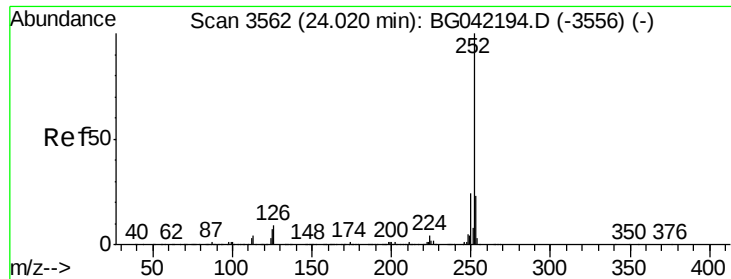
Delta R.T. 0.01 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

Tgt Ion:	252	Resp:	1091854
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.4	27.6
125	7.2	5.8	8.8





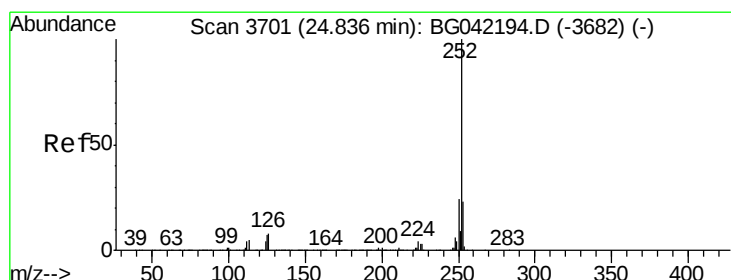
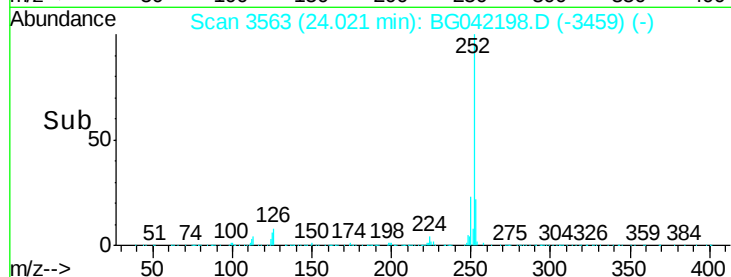
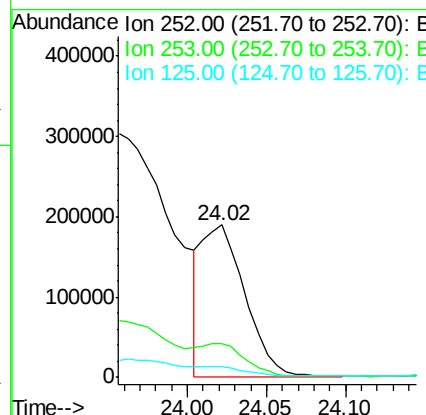
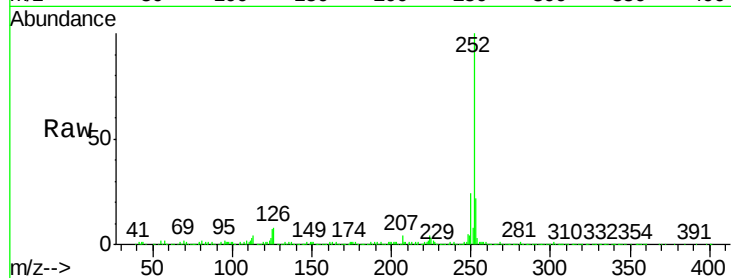
#88
Benzo(k)fluoranthene
Concen: 10.420 ng/ul m
RT: 24.02 min Scan# 3563
Delta R.T. 0.01 min
Lab File: BG042198.D
Acq: 14 Aug 2019 6:46

Instrument :
BNA_G
ClientSampleId :
CB5N5

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.4	18.3	27.5
125	6.7	5.5	8.3

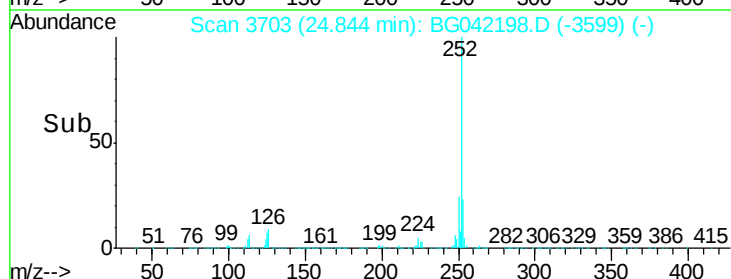
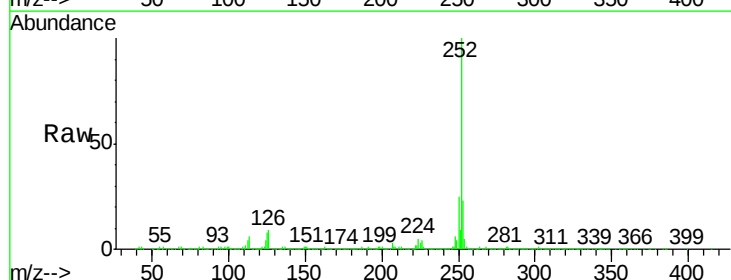
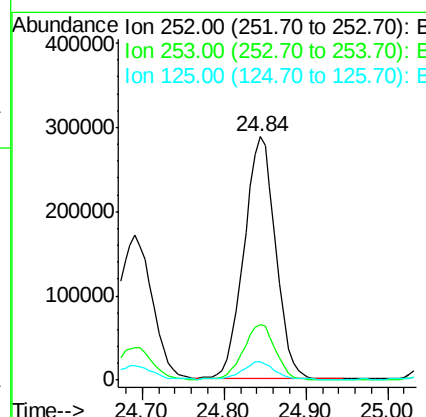
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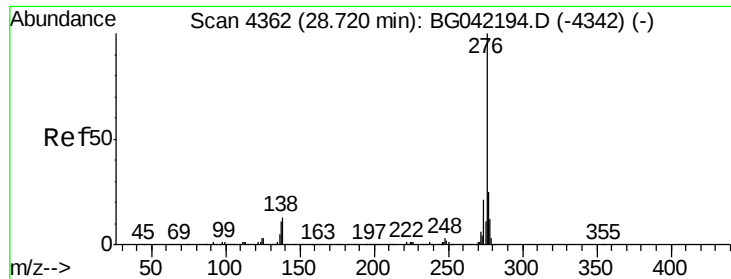
mohammad
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#90
Benzo(a)pyrene
Concen: 22.176 ng/ul
RT: 24.84 min Scan# 3703
Delta R.T. 0.01 min
Lab File: BG042198.D
Acq: 14 Aug 2019 6:46

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.0	18.3	27.5
125	7.7	6.5	9.7





#91

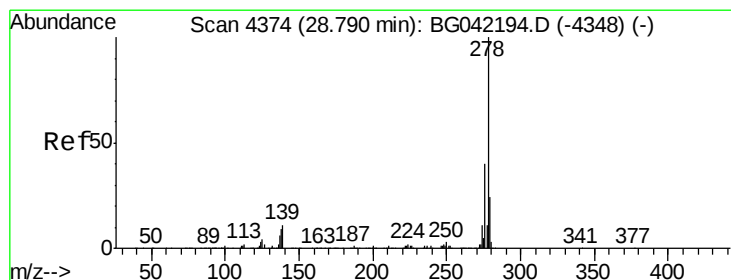
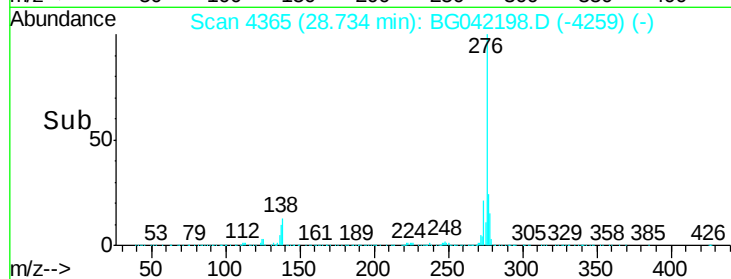
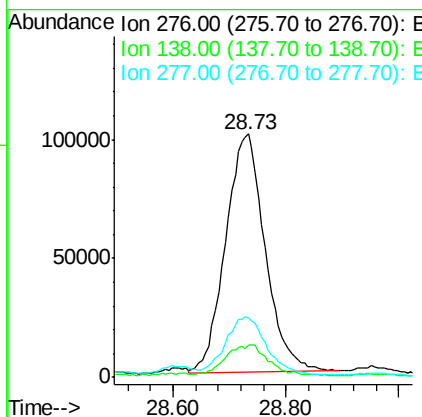
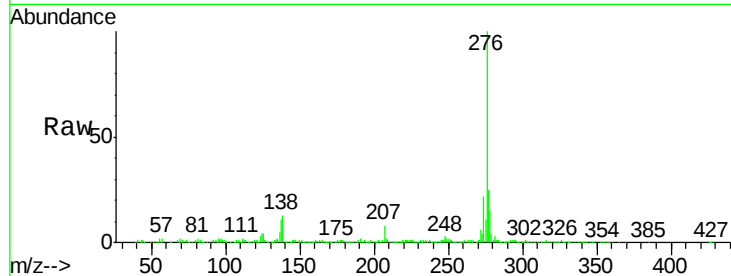
Indeno(1,2,3-cd)pyrene
Concen: 11.992 ng/ul
RT: 28.73 min Scan# 4365
Delta R.T. 0.02 min
Lab File: BG042198.D
Acq: 14 Aug 2019 6:46

Instrument :
BNA_G
ClientSampleId :
CB5N5

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.2	12.0	18.0
277	24.5	19.2	28.8

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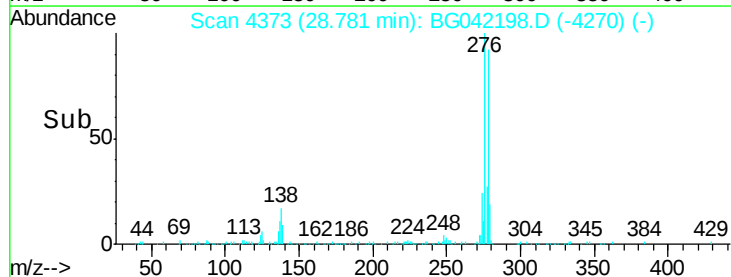
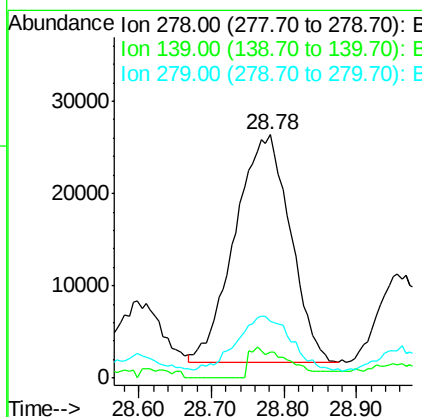
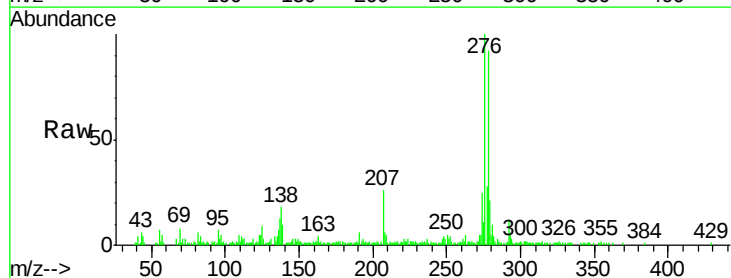
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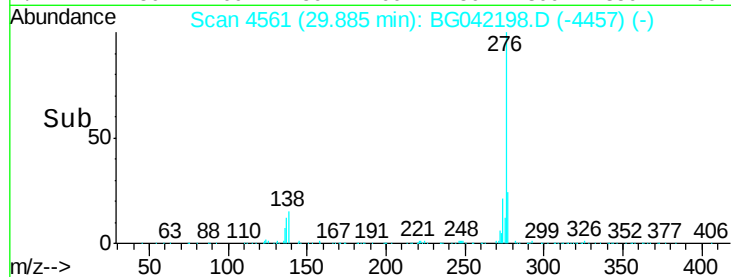
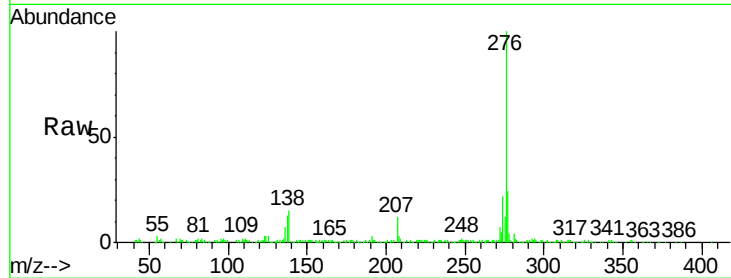
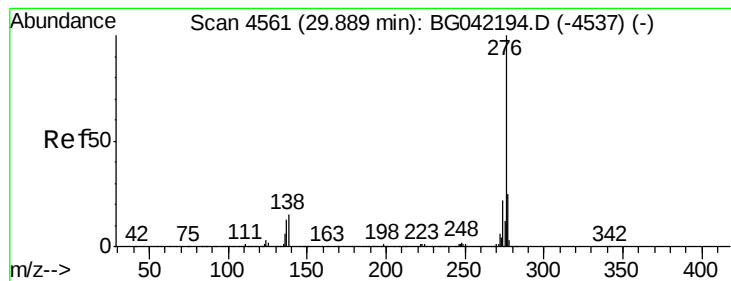


#92

Dibenzo(a,h)anthracene
Concen: 3.938 ng/ul
RT: 28.78 min Scan# 4373
Delta R.T. 0.00 min
Lab File: BG042198.D
Acq: 14 Aug 2019 6:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.5	9.4	14.0
279	23.2	19.2	28.8





#93

Benzo(a,h,i)perylene

Concen: 10.796 ng/ul

RT: 29.89 min Scan# 4561

Delta R.T. 0.01 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

Tot Ion:	276	Resp:	365621
Ion Ratio	Lower	Upper	
276	100		
138	15.4	12.6	18.8
277	24.5	19.2	28.8

Instrument :

BNA_G

ClientSampleId :

CB5N5

Manual Integrations
APPROVED

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8/15/2019 5:11:38 PM

