

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

Quant Time: Aug 14 10:46:52 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	
4) Benzaldehyde	7.15	77	3427	1.166	ng/ul	94
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	23.95	252	547596	16.349	ng/ul	99
90) Benzo(a)pyrene	24.84	252	388121	11.692	ng/ul#	98
91) Indeno(1,2,3-cd)pyrene	28.73	276	139492	3.603	ng/ul	98
92) Dibenzo(a,h)anthracene	28.26	278	41723	1.321	ng/ul	95
93) Benzo(a,h,i)perylene	29.90	276	188687	5.837	ng/ul	96

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QLast Update : Wed Aug 14 10:42:59 2019
Response via : Initial Calibration

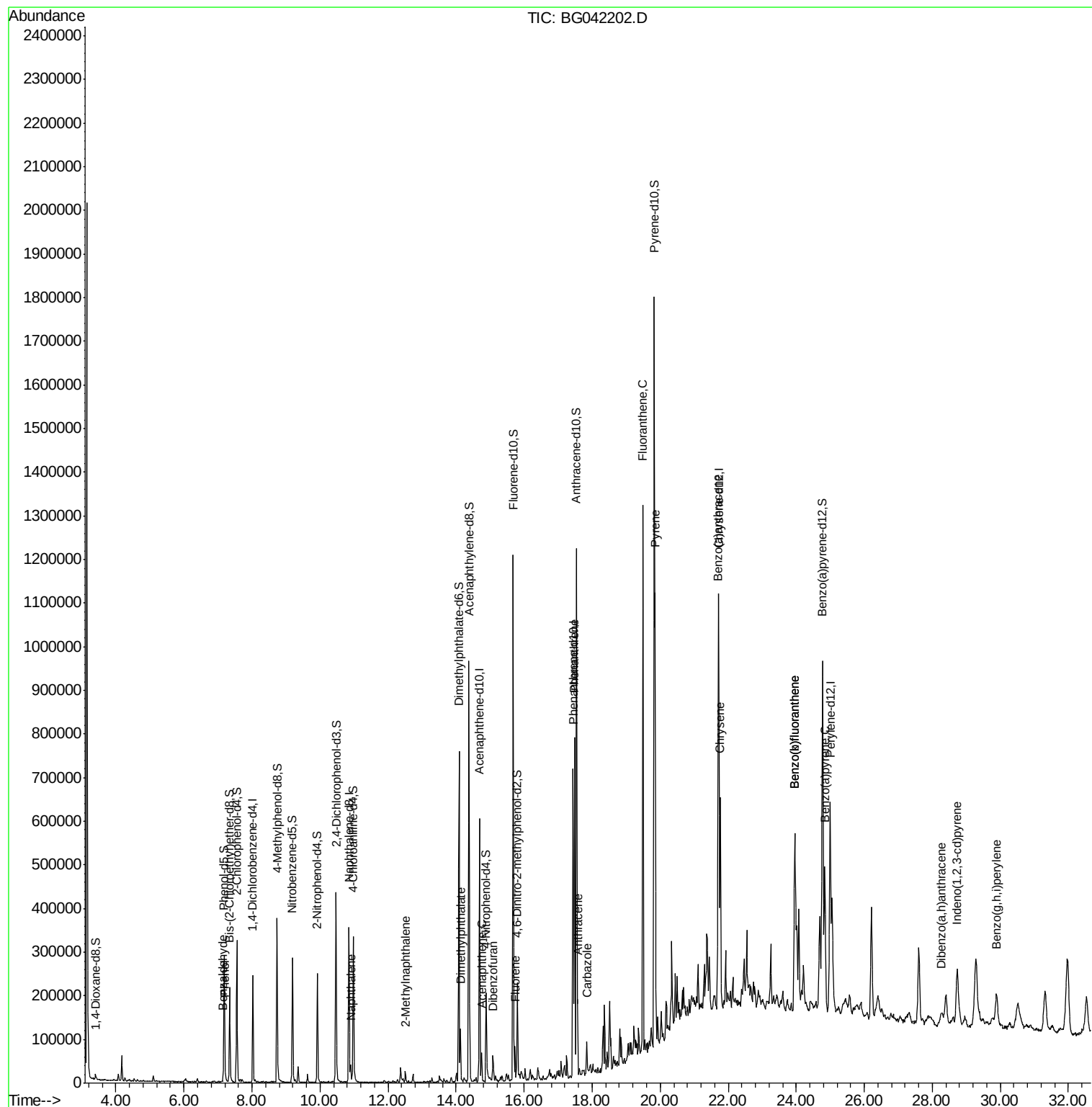
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

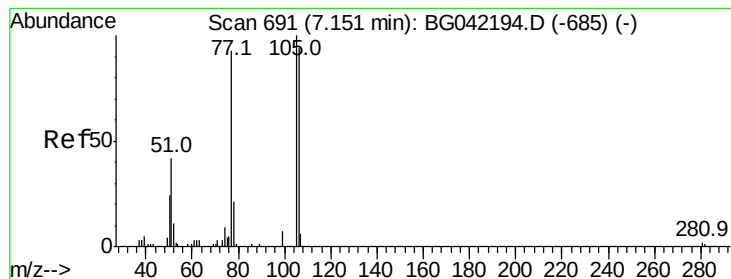
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 14 10:42:59 2019
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.166 ng/ul

RT: 7.15 min Scan# 692

Delta R.T. 0.00 min

Lab File: BG042202.D

Acq: 14 Aug 2019 9:20

Instrument :

BNA_G

ClientSampleId :

CB5N9

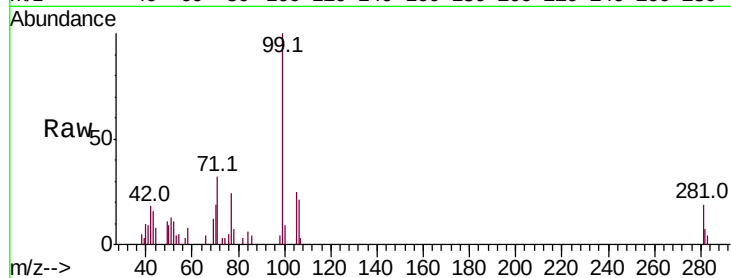
Tot Ion: 77 Resp: 3427

Ion Ratio Lower Upper

77 100

105 104.6 80.7 121.1

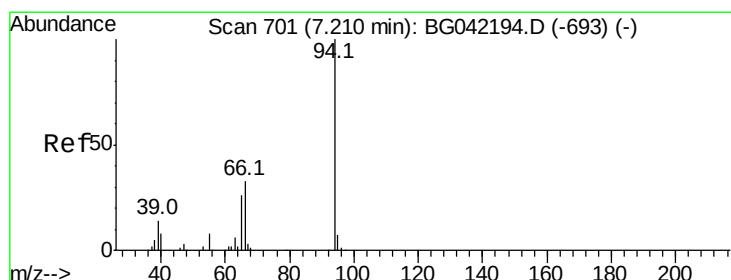
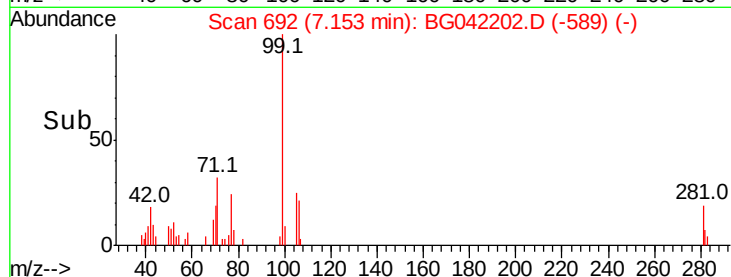
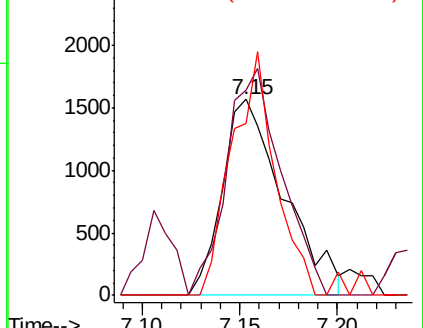
106 87.5 76.3 114.5



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#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

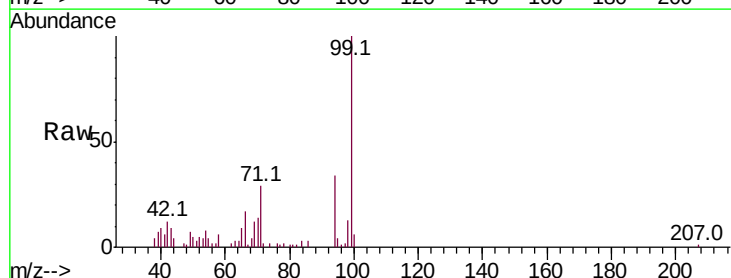
Tgt Ion: 94 Resp: 9813

Ion Ratio Lower Upper

94 100

65 26.8 25.8 38.6

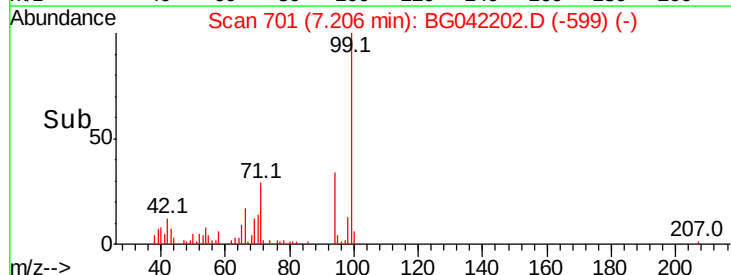
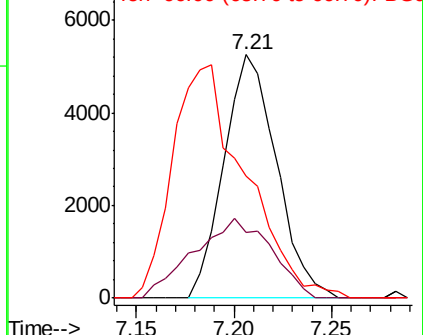
66 50.2 31.8 47.8#

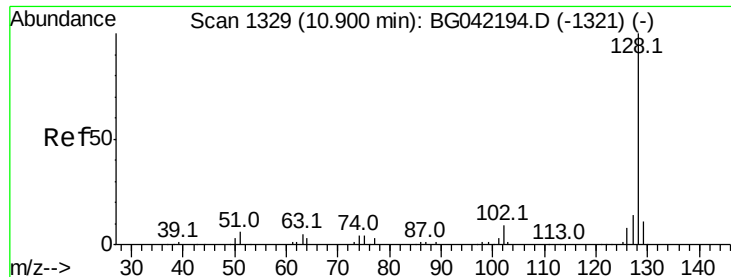


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

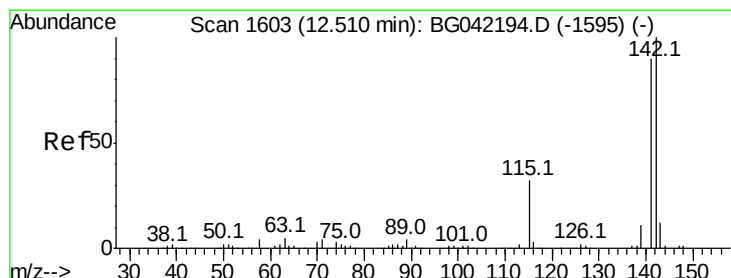
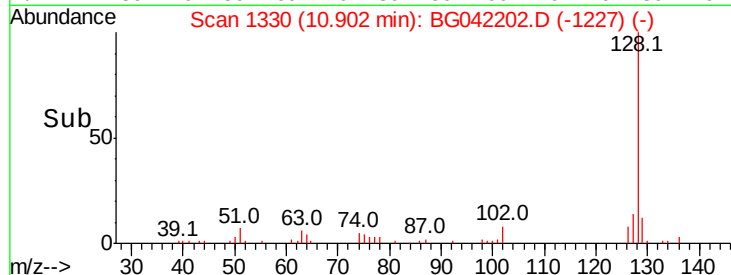
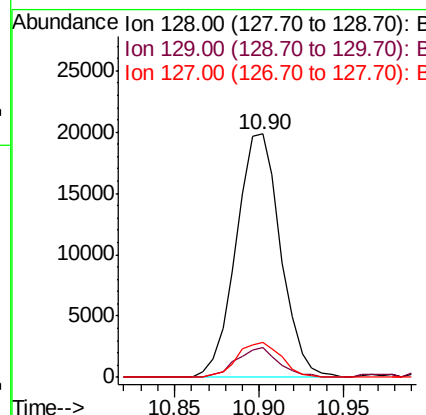
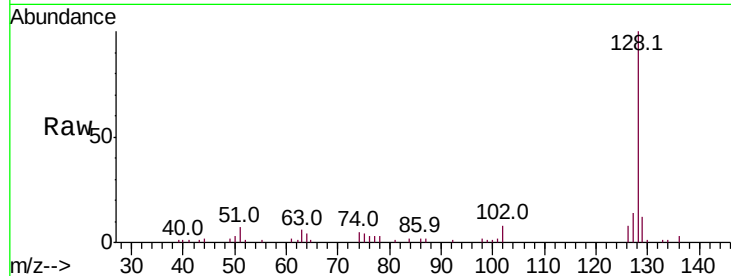




#28
Naphthalene
Concen: 2.122 ng/ul
RT: 10.90 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BG042202.D
Acq: 14 Aug 2019 9:20

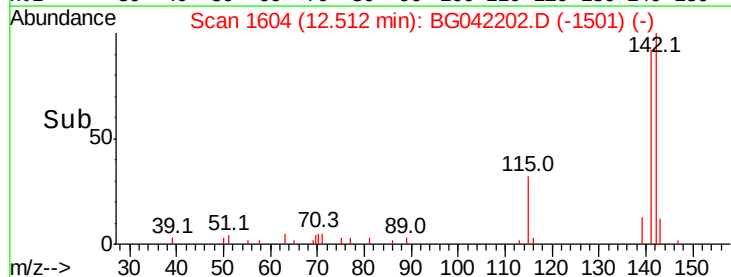
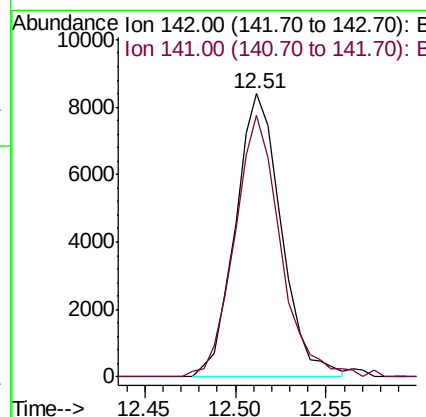
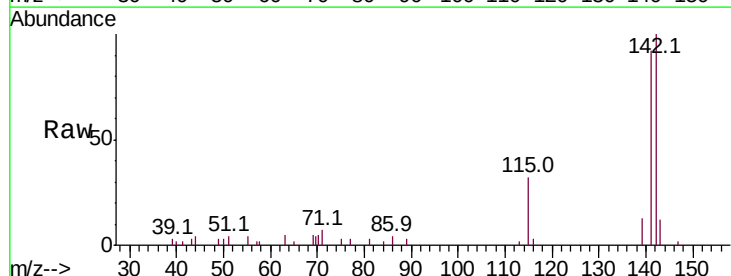
Instrument :
BNA_G
ClientSampleId :
CB5N9

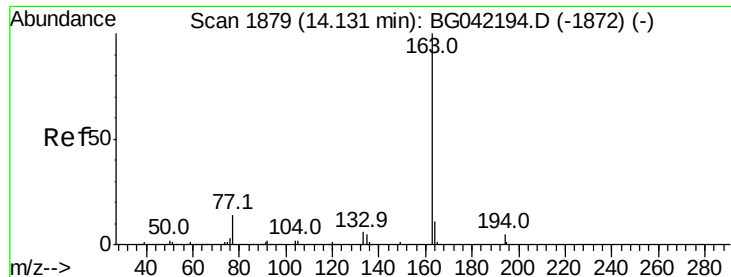
Tot Ion:128 Resp: 36378
Ion Ratio Lower Upper
128 100
129 12.0 9.5 14.3
127 14.5 11.4 17.0



#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

Tgt Ion:142 Resp: 14759
Ion Ratio Lower Upper
142 100
141 92.2 72.9 109.3

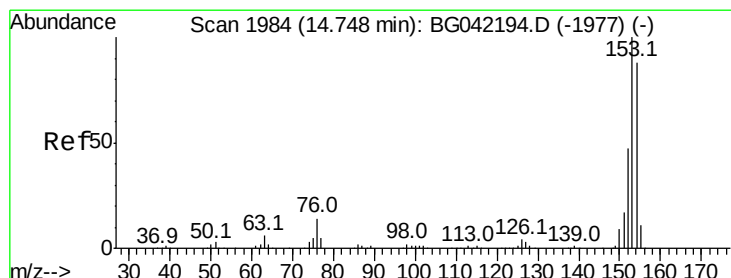
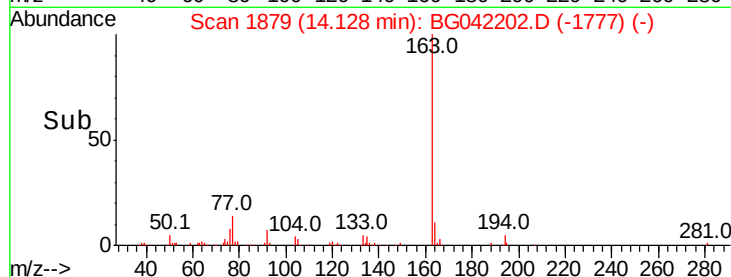
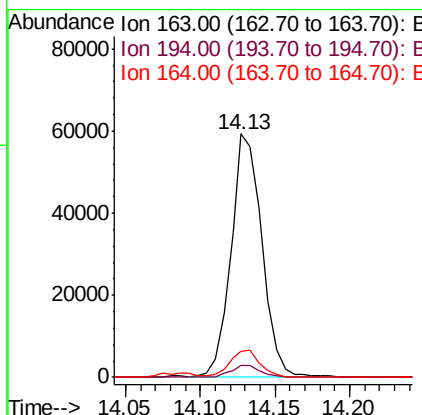
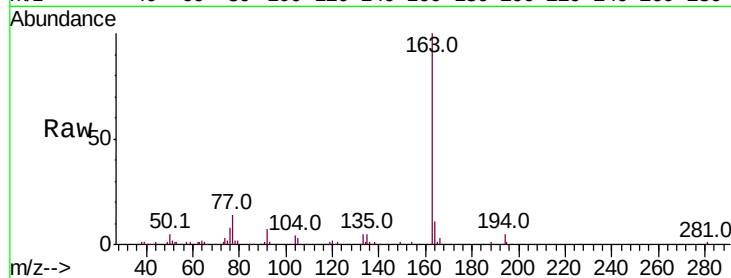




#44
Dimethylphthalate
Concen: 4.779 ng/ul
RT: 14.13 min Scan# 1879
Delta R.T. -0.00 min
Lab File: BG042202.D
Acq: 14 Aug 2019 9:20

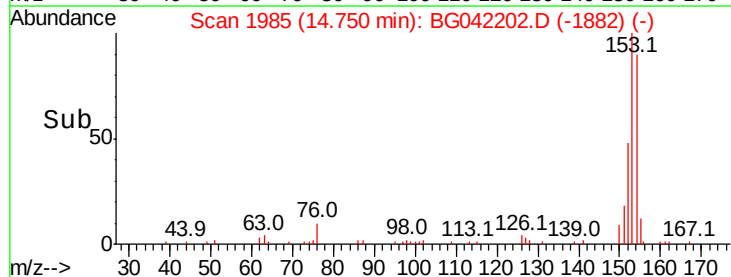
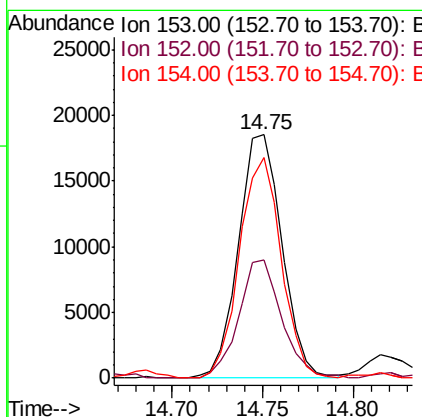
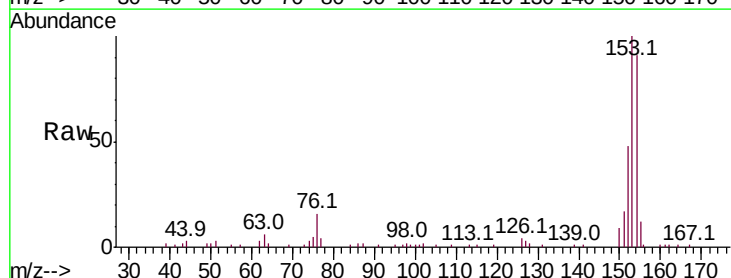
Instrument :
BNA_G
ClientSampleId :
CB5N9

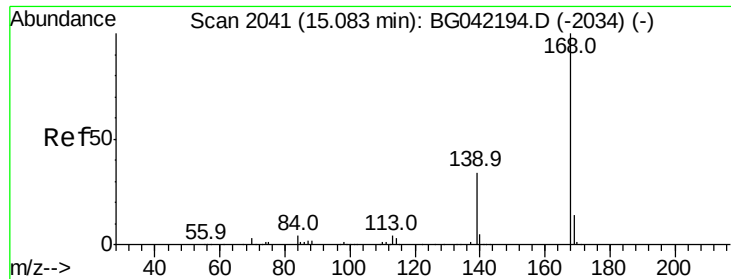
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.8	4.2	6.2
164	10.8	7.8	11.8



#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

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.5	37.8	56.8
154	90.8	69.4	104.2





#53

Dibenzenofuran

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

Instrument :

BNA_G

ClientSampleId :

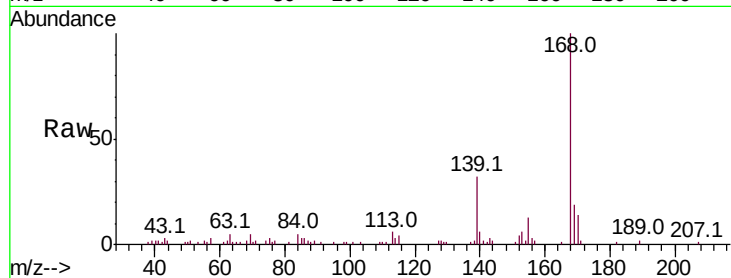
CB5N9

Tot Ion:168 Resp: 31749

Ion Ratio Lower Upper

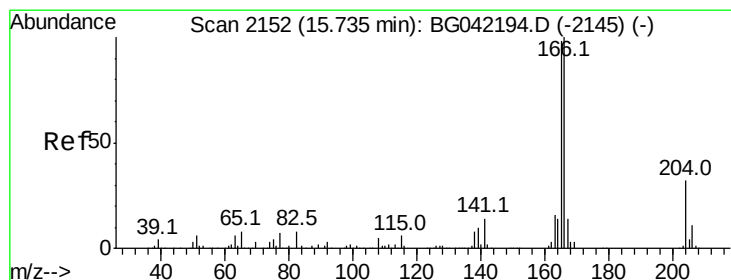
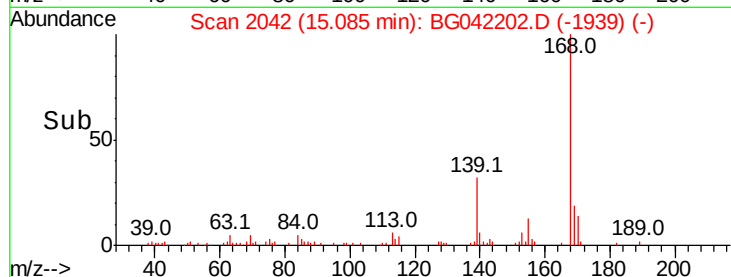
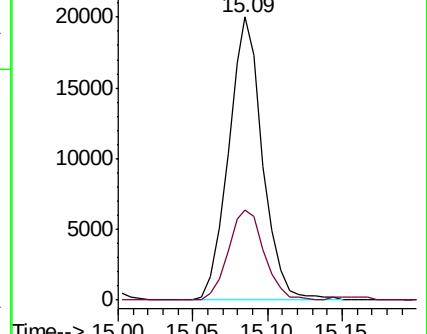
168 100

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

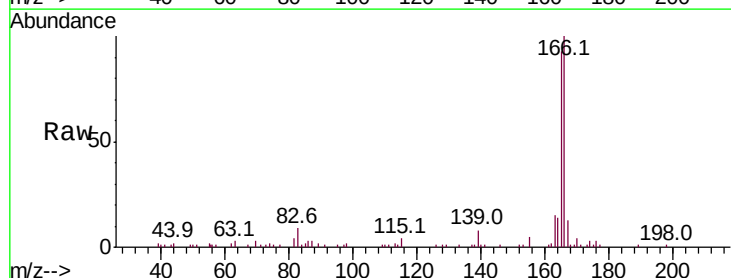
Tgt Ion:166 Resp: 35799

Ion Ratio Lower Upper

166 100

165 92.5 81.1 121.7

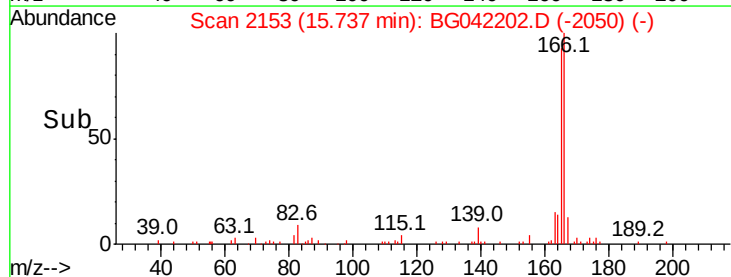
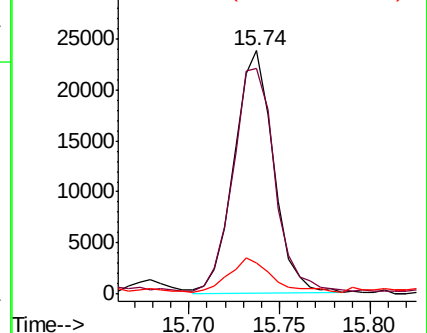
167 12.8 11.0 16.4

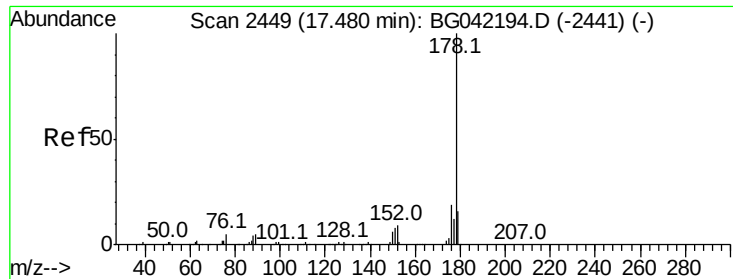


Abundance Ion 166.00 (165.70 to 166.70): E

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

Instrument :

BNA_G

ClientSampleId :

CB5N9

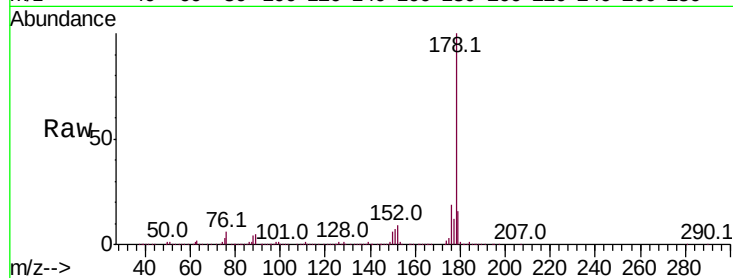
Tot Ion:178 Resp: 537514

Ion Ratio Lower Upper

178 100

179 15.6 12.8 19.2

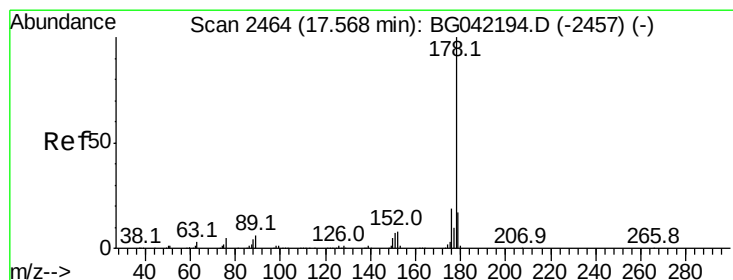
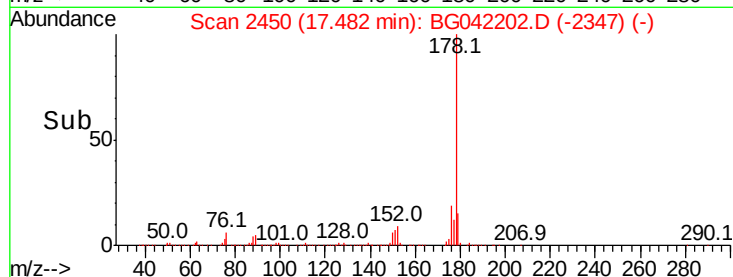
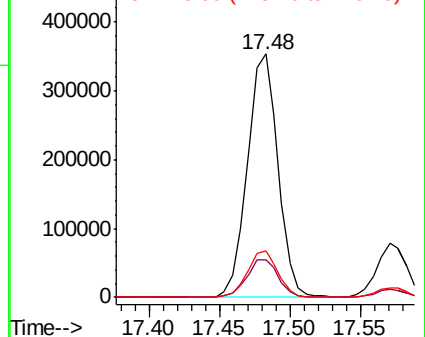
176 19.0 15.4 23.2



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

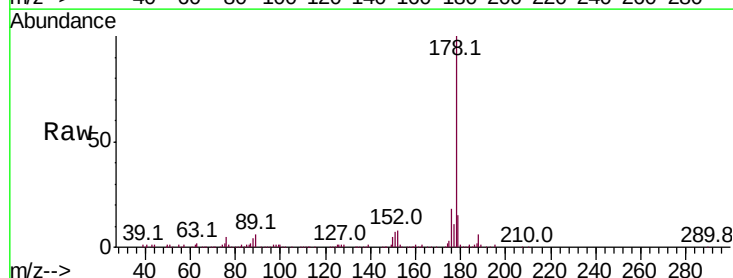
Tgt Ion:178 Resp: 114683

Ion Ratio Lower Upper

178 100

179 15.2 13.4 20.0

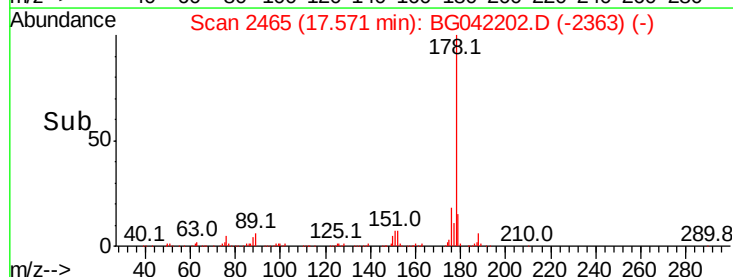
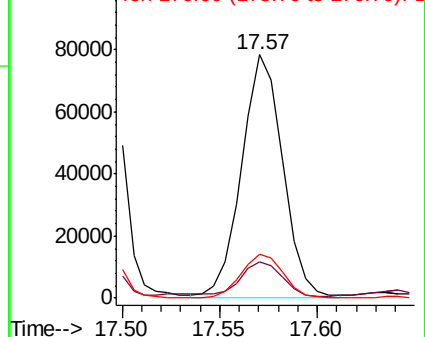
176 18.2 15.4 23.2

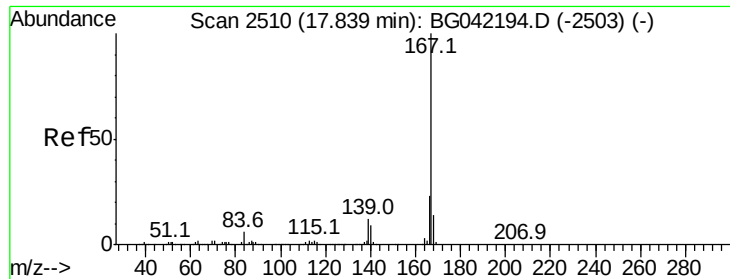


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#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

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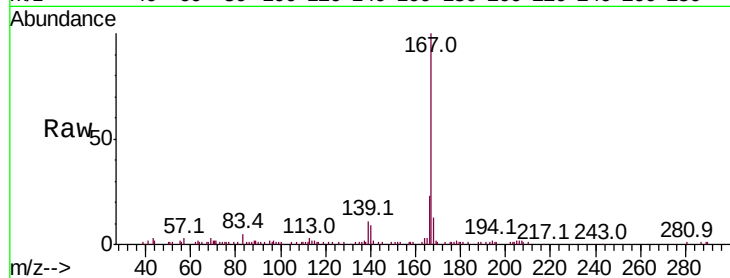
Tot Ion:167 Resp: 52265

Ion Ratio Lower Upper

167 100

166 22.7 18.2 27.4

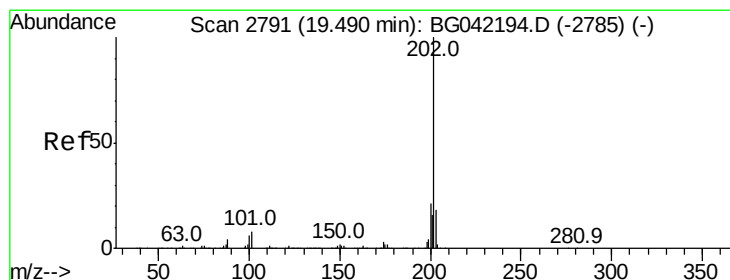
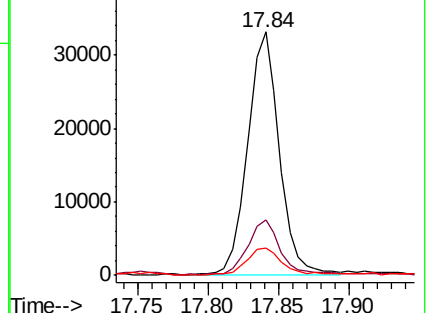
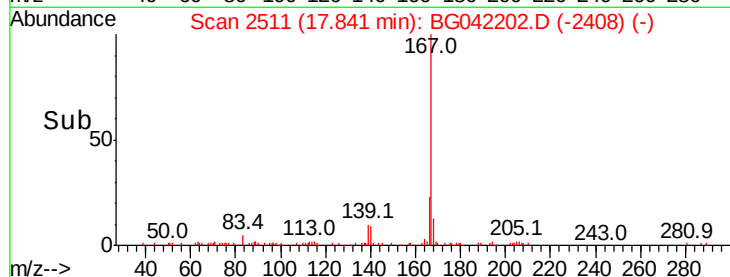
139 11.3 9.6 14.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#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

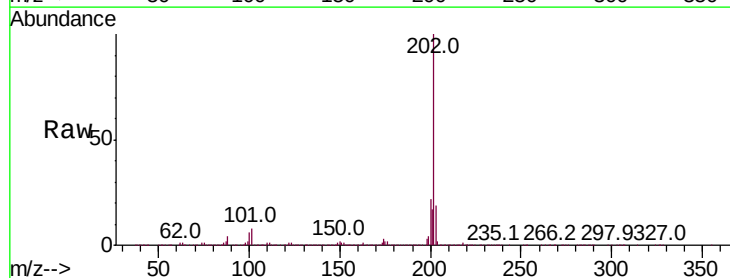
Tgt Ion:202 Resp: 843286

Ion Ratio Lower Upper

202 100

101 7.7 6.7 10.1

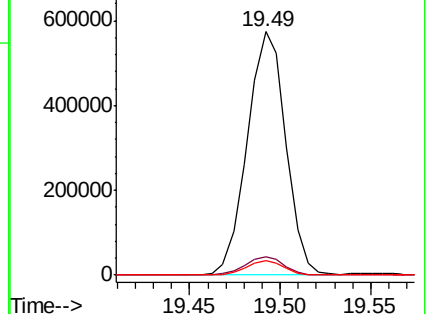
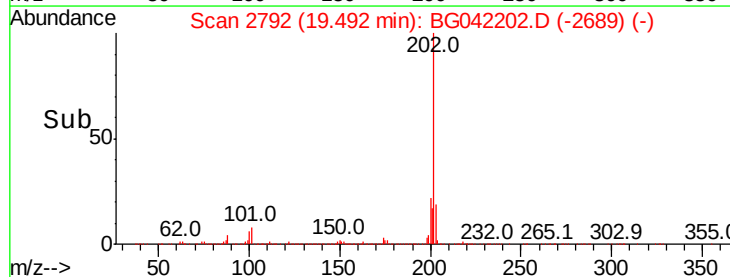
100 5.8 5.3 7.9

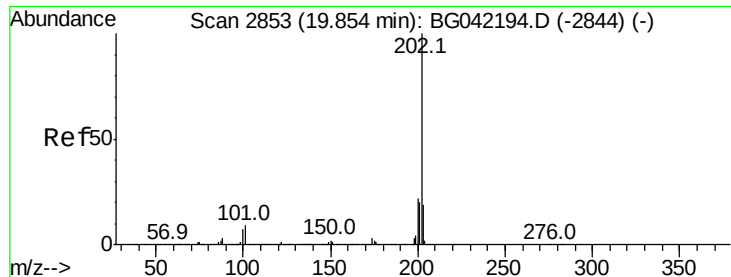


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79

Pvrene

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

Instrument :

BNA_G

ClientSampleId :

CB5N9

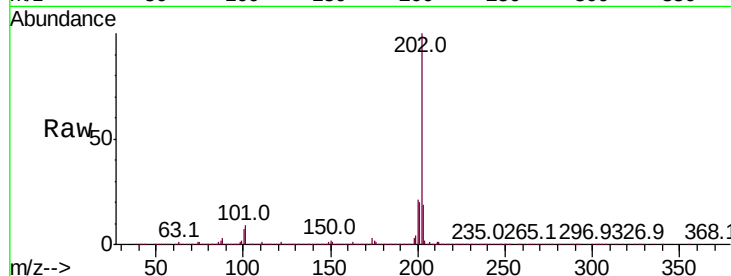
Tot Ion:202 Resp: 704915

Ion Ratio Lower Upper

202 100

101 8.6 7.6 11.4

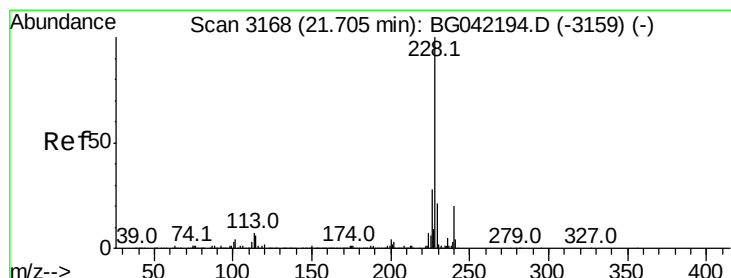
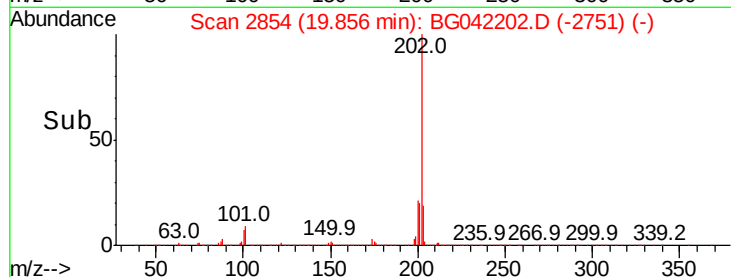
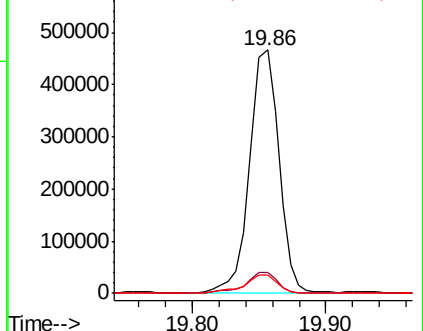
100 7.3 6.5 9.7



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): E



#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

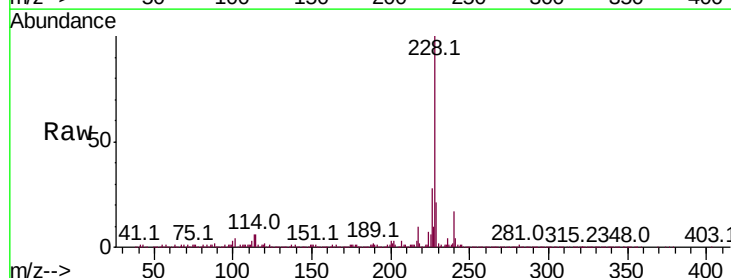
Tgt Ion:228 Resp: 430063

Ion Ratio Lower Upper

228 100

229 20.9 17.0 25.6

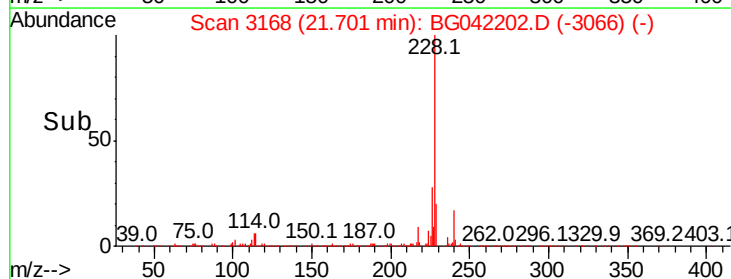
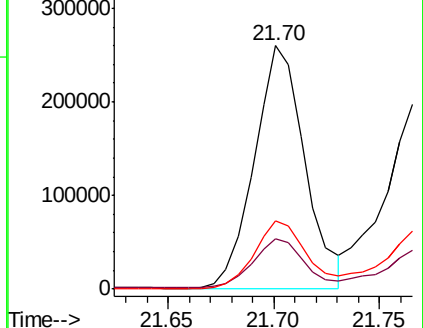
226 28.1 23.3 34.9

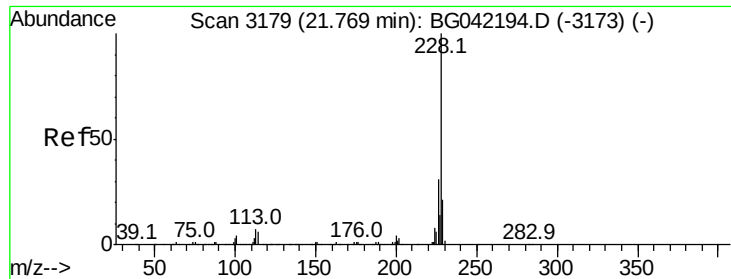


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#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

Instrument :

BNA_G

ClientSampleId :

CB5N9

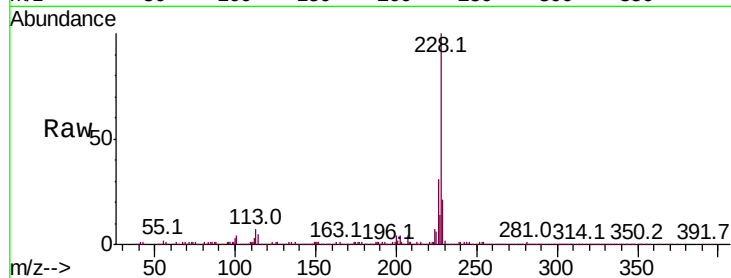
Tot Ion:228 Resp: 395486

Ion Ratio Lower Upper

228 100

226 31.5 25.7 38.5

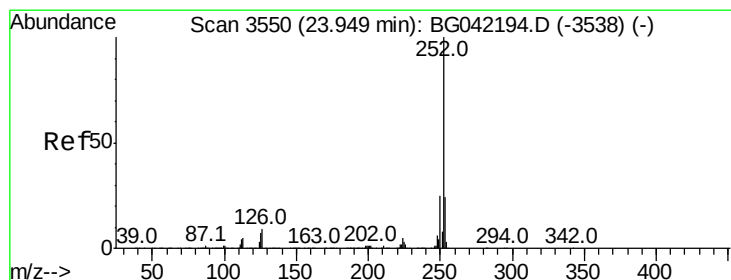
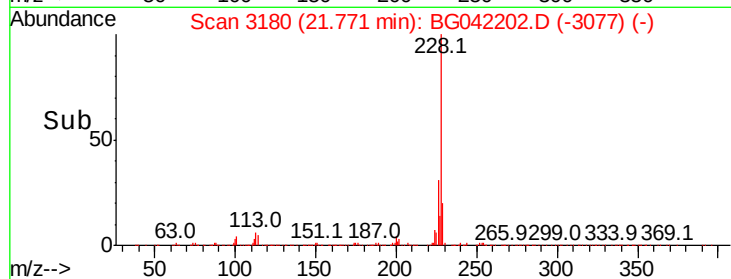
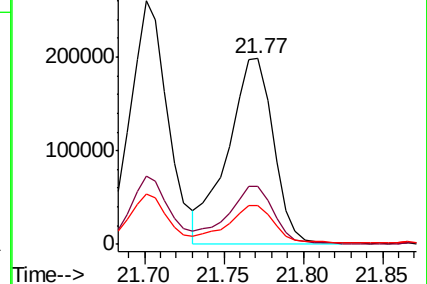
229 20.7 16.6 24.8



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



#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

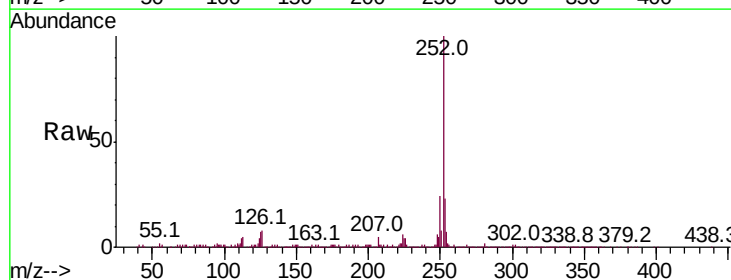
Tgt Ion:252 Resp: 547596

Ion Ratio Lower Upper

252 100

253 23.3 18.4 27.6

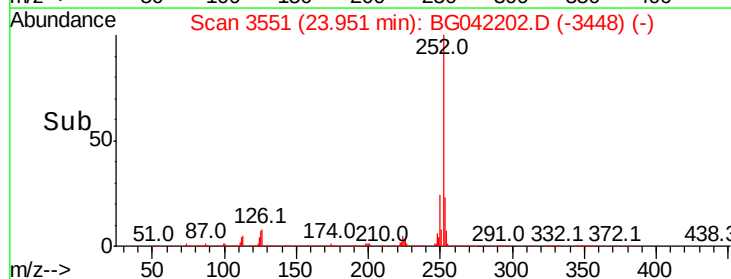
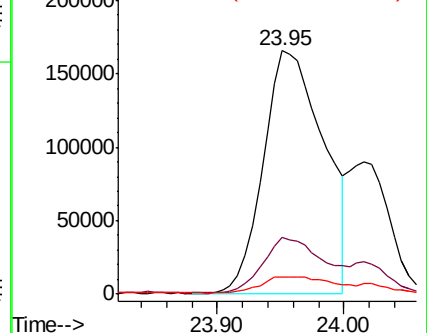
125 7.2 5.8 8.8

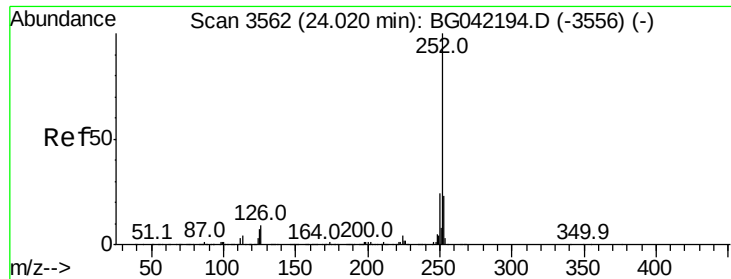


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 16.349 ng/ul

RT: 23.95 min Scan# 3551

Delta R.T. -0.06 min

Lab File: BG042202.D

Acq: 14 Aug 2019 9:20

Instrument :

BNA_G

ClientSampleId :

CB5N9

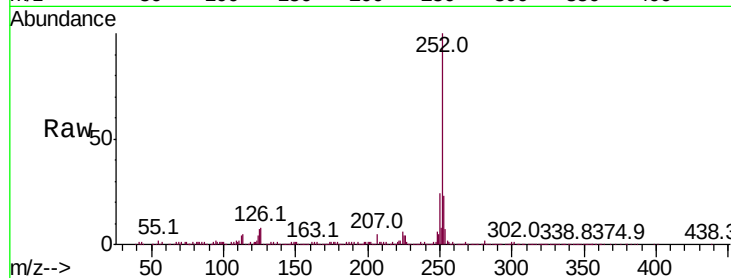
Tot Ion:252 Resp: 547596

Ion Ratio Lower Upper

252 100

253 23.3 18.3 27.5

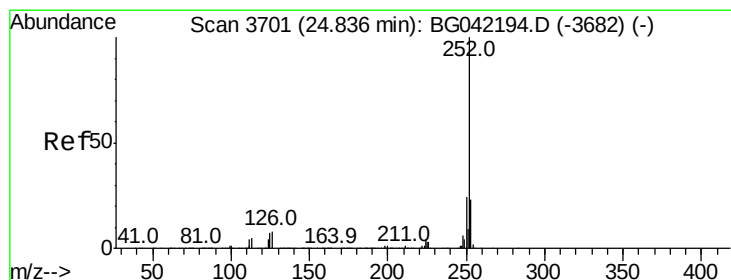
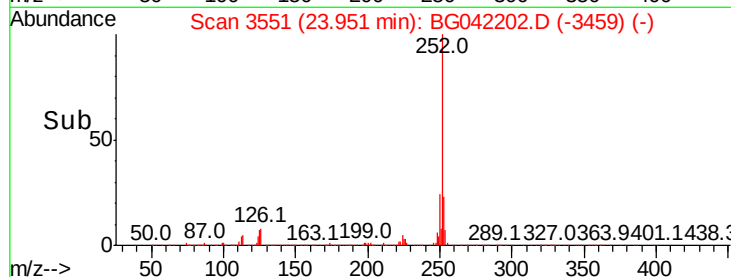
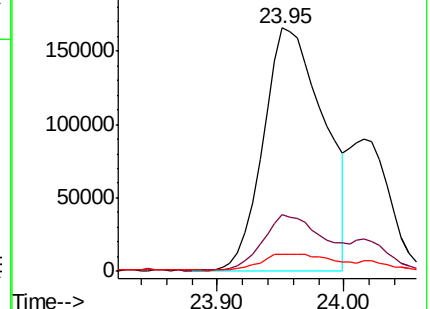
125 7.2 5.5 8.3



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: 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

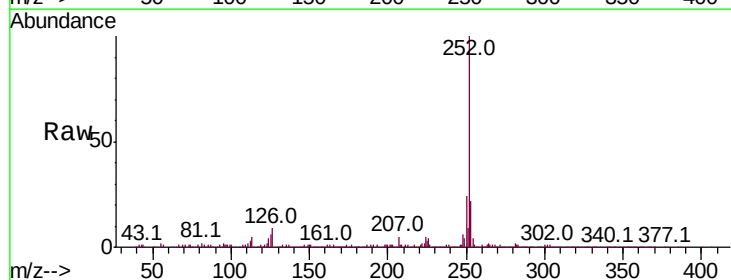
Tgt Ion:252 Resp: 388121

Ion Ratio Lower Upper

252 100

253 22.4 18.3 27.5

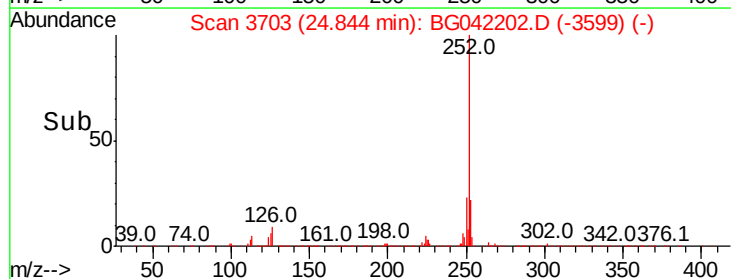
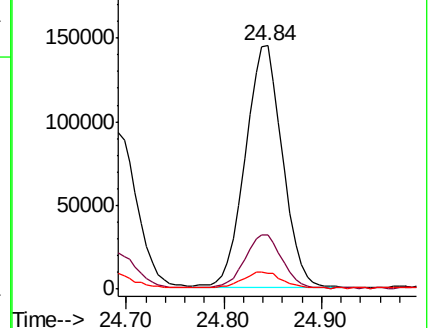
125 6.4 6.5 9.7#

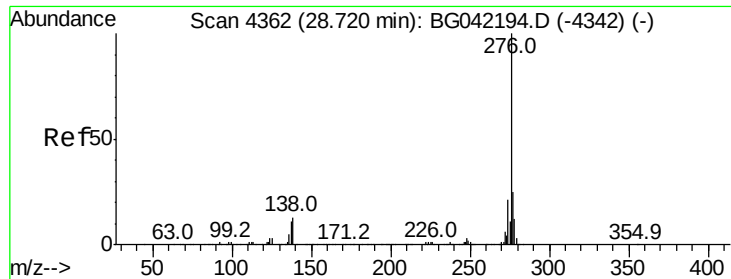


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



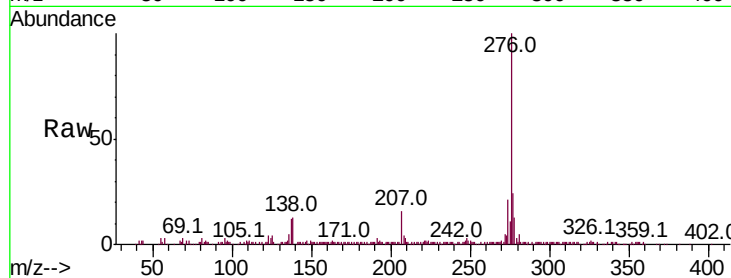


#91

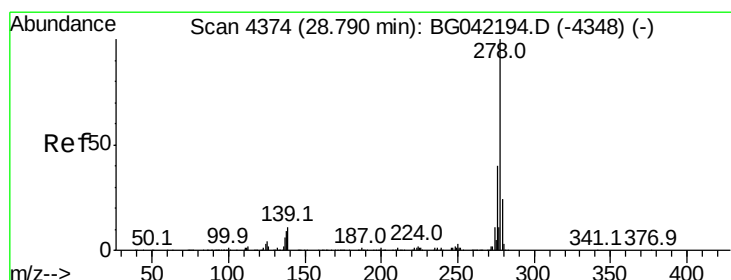
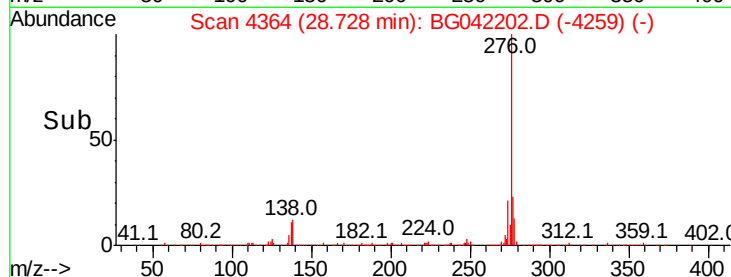
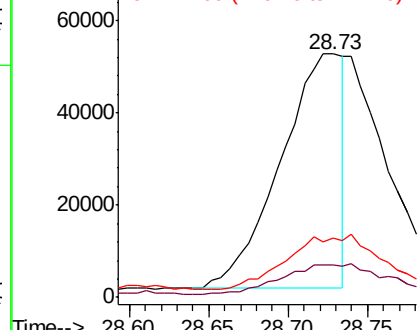
Indeno(1,2,3-cd)pyrene
Concen: 3.603 ng/ul
RT: 28.73 min Scan# 4364
Delta R.T. 0.01 min
Lab File: BG042202.D
Acq: 14 Aug 2019 9:20

Instrument :
BNA_G
ClientSampleId :
CB5N9

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



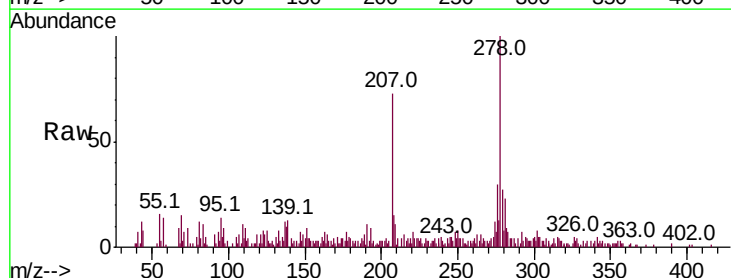
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



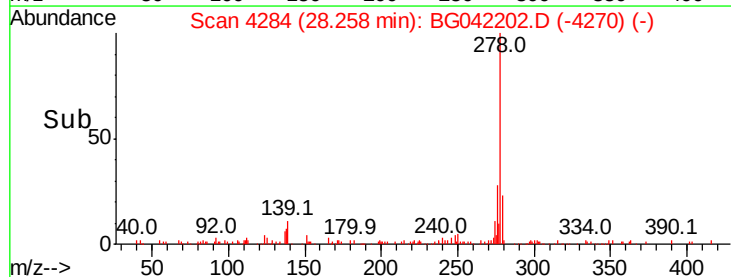
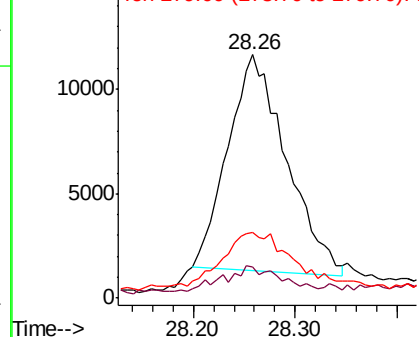
#92

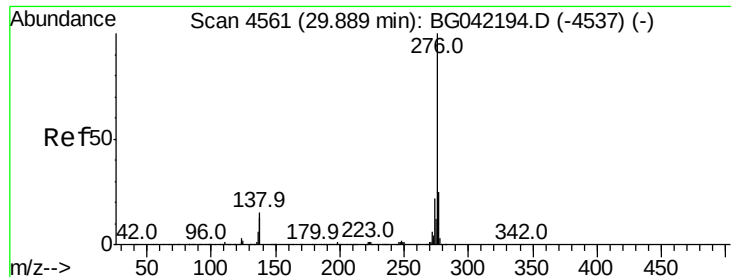
Dibenzo(a,h)anthracene
Concen: 1.321 ng/ul
RT: 28.26 min Scan# 4284
Delta R.T. -0.52 min
Lab File: BG042202.D
Acq: 14 Aug 2019 9:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.8	9.4	14.0
279	26.9	19.2	28.8



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(a,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

Instrument :

BNA_G

ClientSampleId :

CB5N9

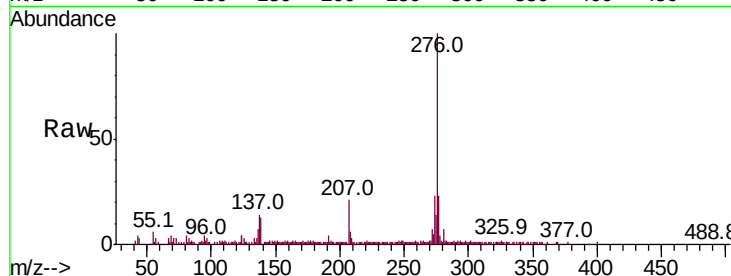
Tot Ion: 276 Resp: 188687

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

