

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080320\
 Data File : BM026979.D
 Acq On : 03 Aug 2020 15:32
 Operator : JU/CG
 Sample : L3424-11 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0S86

Quant Time: Aug 08 08:28:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 10:21:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	107873	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	425201	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	257478	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.03	188	512665	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	507865	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	493999	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	1441	0.61	ng/uL	0.00
5) Phenol-d5	6.84	99	46189	4.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	30939	4.84	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	34439	4.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	35169	4.84	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	16797	5.08	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	17309	5.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	35508	4.91	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	17199	1.99	ng/ul	0.00
44) Dimethylphthalate-d6	13.70	166	104428	5.17	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	133278	5.19	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	11297	3.31	ng/ul	0.00
58) Fluorene-d10	15.29	176	86673	4.93	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	8419	3.68	ng/ul	0.00
71) Anthracene-d10	17.13	188	132685	5.18	ng/ul	0.00
79) Pyrene-d10	19.43	212	138891	5.13	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	138609	4.97	ng/ul	0.02

Target Compounds

					Ovalue	
28) Naphthalene	10.49	128	113005	4.757	ng/ul	99
34) 2-Methylnaphthalene	12.10	142	60275	3.589	ng/ul	97
45) Dimethylphthalate	13.75	163	35508	1.676	ng/ul#	98
48) Acenaphthylene	14.01	152	686533	26.300	ng/ul	100
50) Acenaphthene	14.36	153	37465	2.083	ng/ul#	92
54) Dibenzofuran	14.69	168	173544	6.961	ng/ul	98
59) Fluorene	15.34	166	38308	1.825	ng/ul#	98
70) Phenanthrene	17.07	178	550902	17.703	ng/ul	99
72) Anthracene	17.17	178	944132	29.517	ng/ul	99
75) Carbazole	17.43	167	214918	7.601	ng/ul	98
77) Fluoranthene	19.10	202	5081475	138.295	ng/ul	100
80) Pyrene	19.47	202	5840629	158.070	ng/ul	97
83) Benzo(a)anthracene	21.22	228	3225420	92.141	ng/ul	94
84) Bis(2-ethylhexyl)phthalate	21.17	149	28899	1.403	ng/ul#	93
85) Chrysene	21.27	228	3871787	113.421	ng/ul	97
88) Benzo(b)fluoranthene	22.80	252	7430513	210.265	ng/ul	98
89) Benzo(k)fluoranthene	22.84	252	2090615	61.651	ng/ul	96
91) Benzo(a)pyrene	23.36	252	2228973	69.900	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.67	276	2551413	64.496	ng/ul	96
93) Dibenzo(a,h)anthracene	25.67	278	663879	19.842	ng/ul#	86
94) Benzo(a,h,i)perylene	26.34	276	713743	21.820	ng/ul	98

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Response via : Initial Calibration

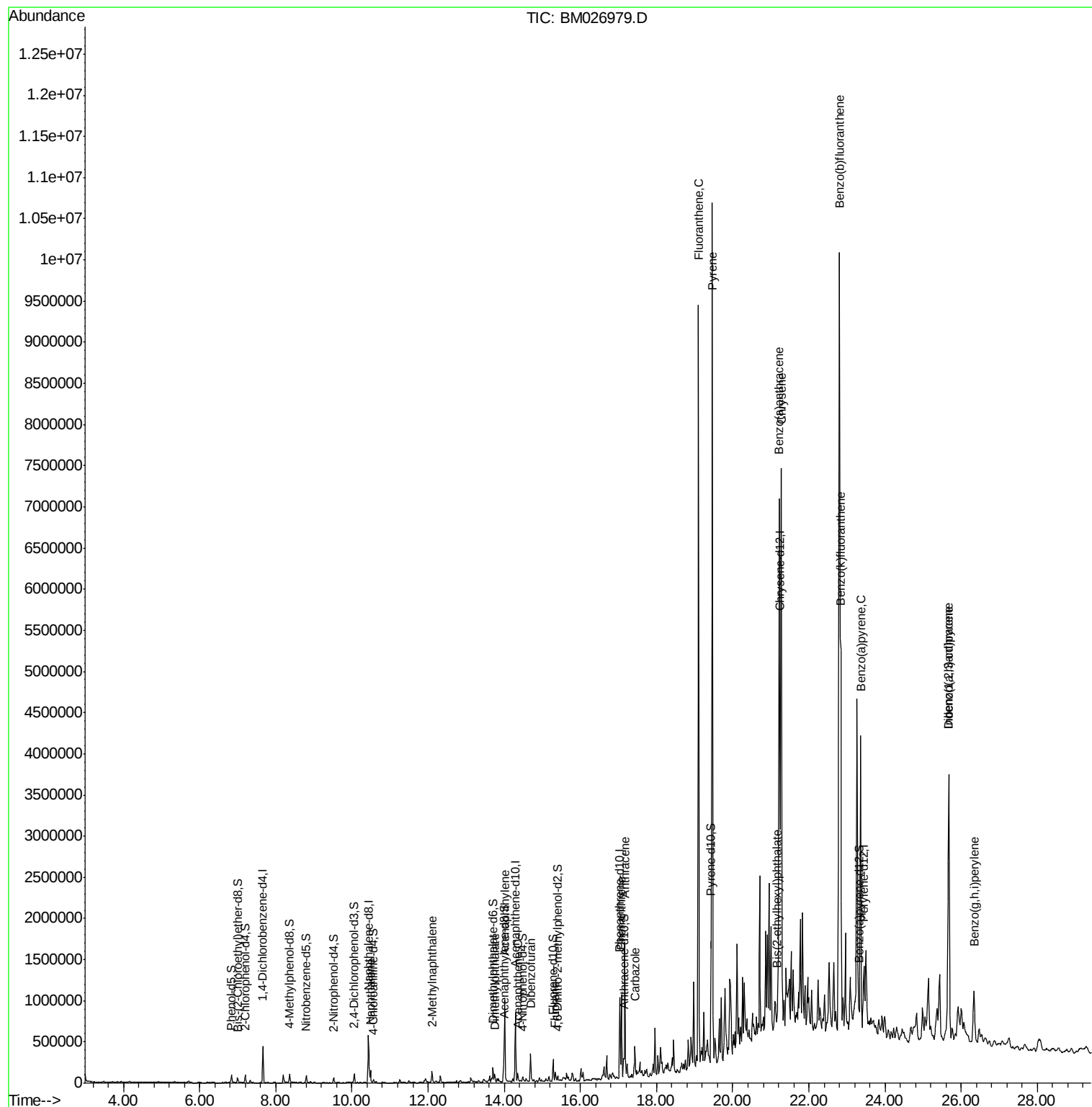
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

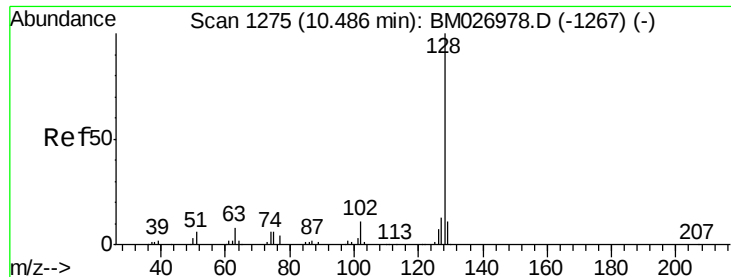
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#28

Naphthalene

Concen: 4.757 ng/ul

RT: 10.49 min Scan# 1275

Delta R.T. 0.00 min

Lab File: BM026979.D

Acq: 03 Aug 2020 15:32

Instrument :

BNA_M

ClientSampleId :

C0S86

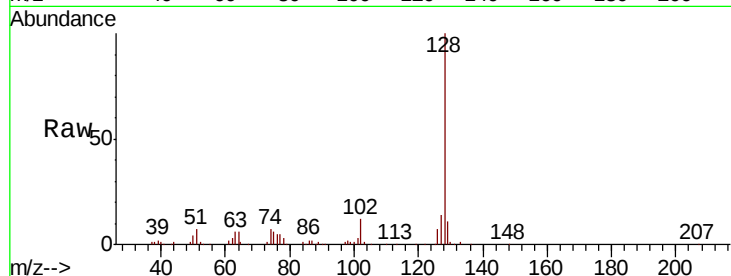
Tot Ion:128 Resp: 113005

Ion Ratio Lower Upper

128 100

129 10.9 8.3 12.5

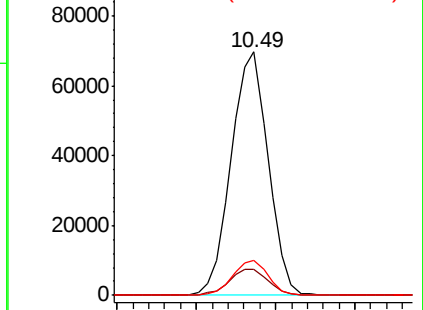
127 14.3 11.0 16.6



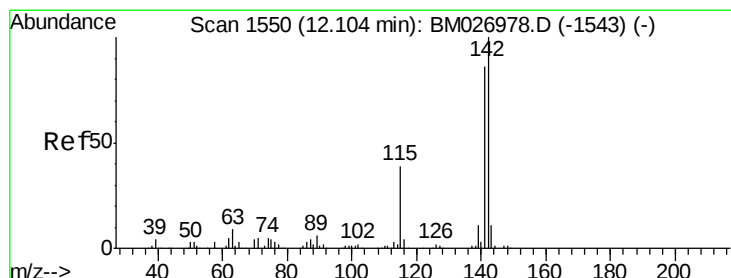
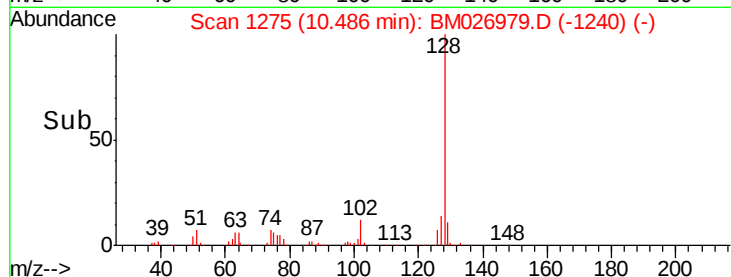
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time--> 10.40 10.45 10.50 10.55



#34

2-Methylnaphthalene

Concen: 3.589 ng/ul

RT: 12.10 min Scan# 1549

Delta R.T. -0.00 min

Lab File: BM026979.D

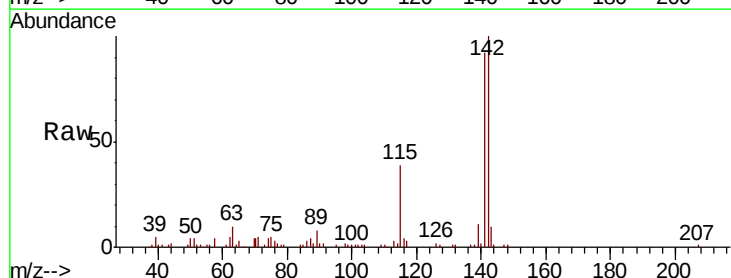
Acq: 03 Aug 2020 15:32

Tgt Ion:142 Resp: 60275

Ion Ratio Lower Upper

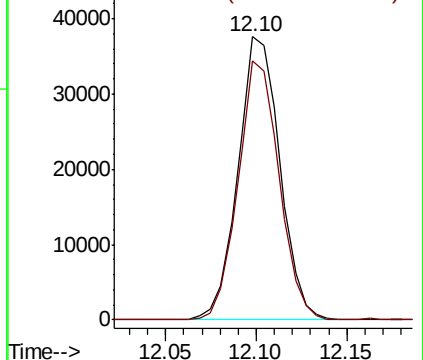
142 100

141 91.6 71.1 106.7

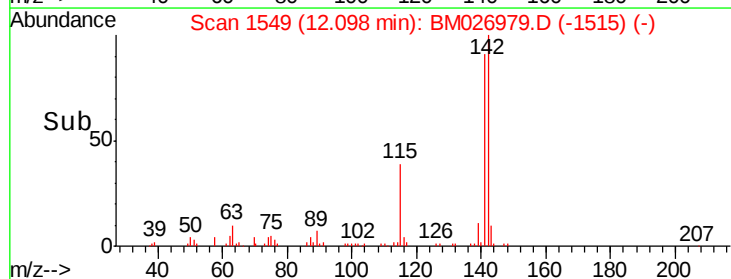


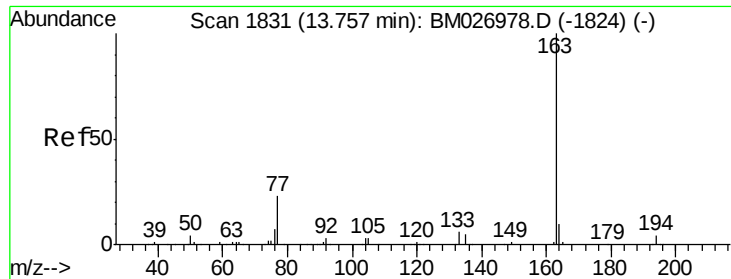
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 12.05 12.10 12.15





#45

Dimethylphthalate

Concen: 1.676 ng/ul

RT: 13.75 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BM026979.D

Acq: 03 Aug 2020 15:32

Instrument :

BNA_M

ClientSampleId :

C0S86

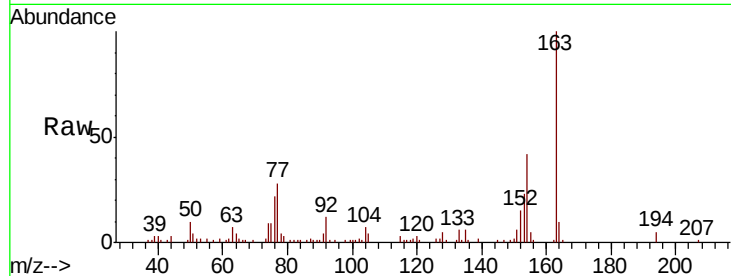
Tot Ion:163 Resp: 35508

Ion Ratio Lower Upper

163 100

194 5.1 3.0 4.6#

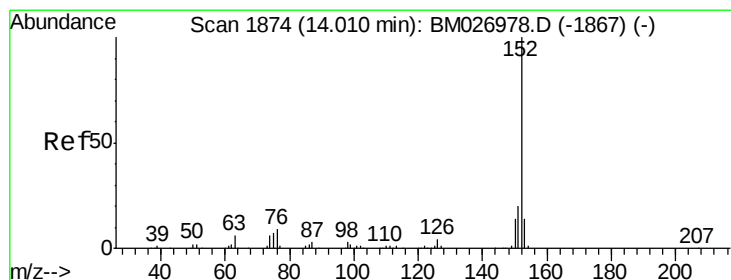
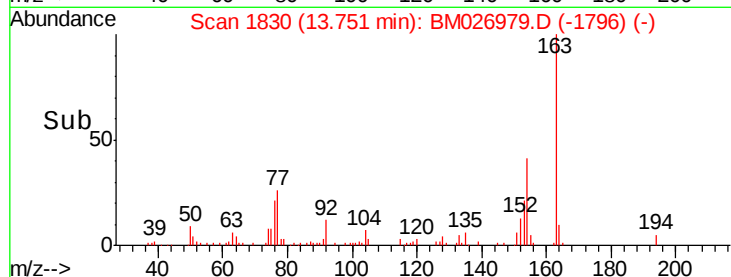
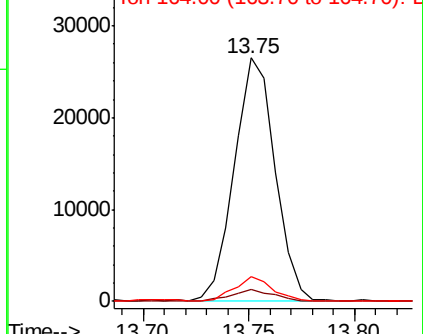
164 10.4 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#48

Acenaphthylene

Concen: 26.300 ng/ul

RT: 14.01 min Scan# 1874

Delta R.T. -0.00 min

Lab File: BM026979.D

Acq: 03 Aug 2020 15:32

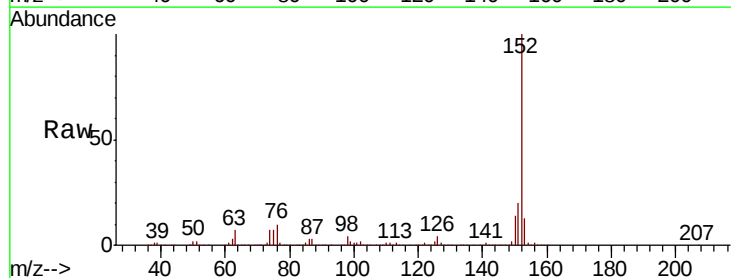
Tgt Ion:152 Resp: 686533

Ion Ratio Lower Upper

152 100

151 19.6 15.8 23.6

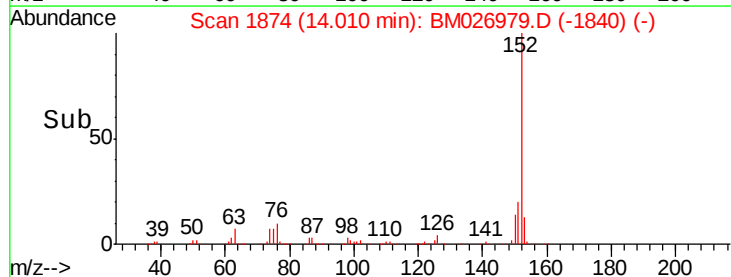
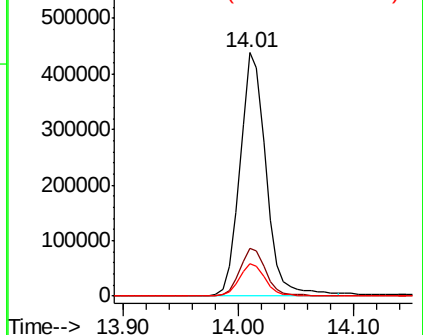
153 13.1 10.7 16.1

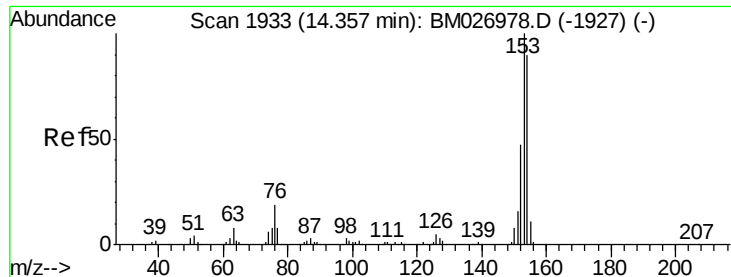


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 2.083 ng/ul

RT: 14.36 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BM026979.D

Acq: 03 Aug 2020 15:32

Instrument :

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C0S86

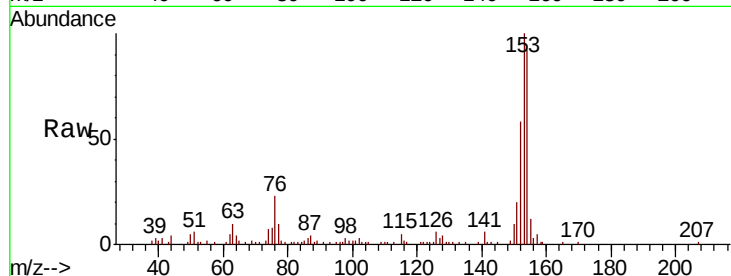
Tot Ion:153 Resp: 37465

Ion Ratio Lower Upper

153 100

152 57.6 37.8 56.6#

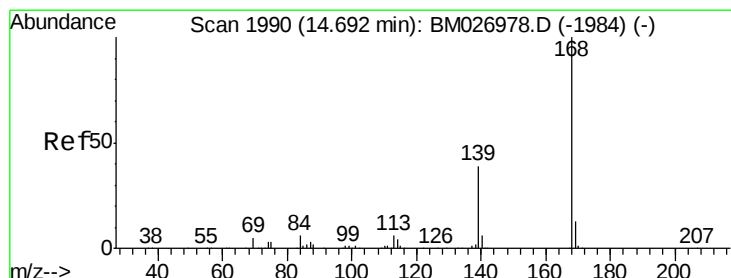
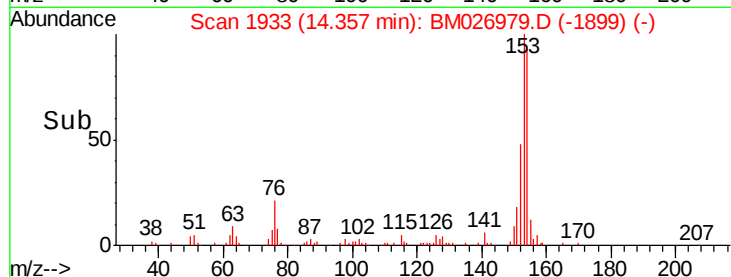
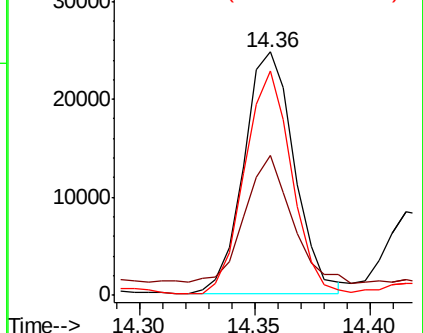
154 92.2 70.5 105.7



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



#54

Dibenzofuran

Concen: 6.961 ng/ul

RT: 14.69 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BM026979.D

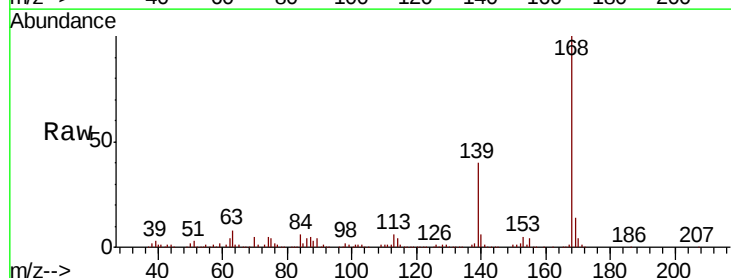
Acq: 03 Aug 2020 15:32

Tgt Ion:168 Resp: 173544

Ion Ratio Lower Upper

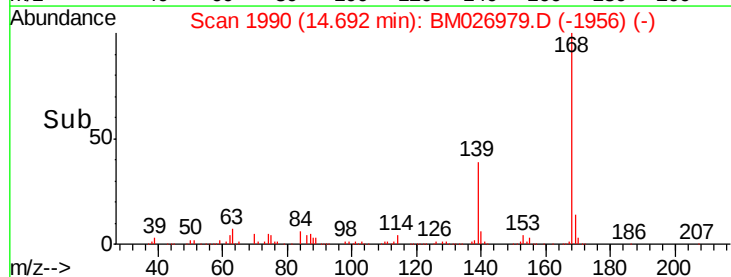
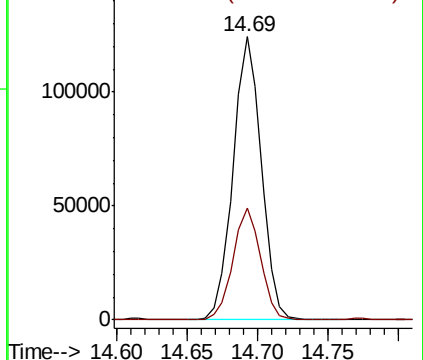
168 100

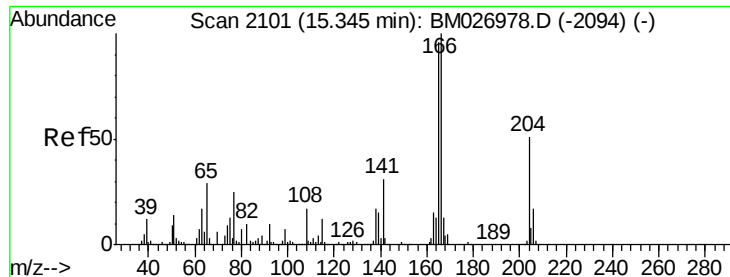
139 39.5 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 1.825 ng/ul

RT: 15.34 min Scan# 2101

Delta R.T. 0.00 min

Lab File: BM026979.D

Acq: 03 Aug 2020 15:32

Instrument :

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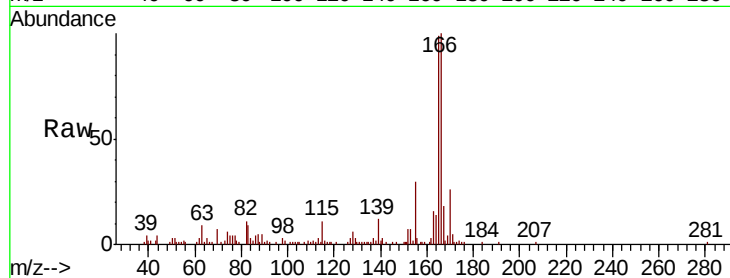
Tot Ion:166 Resp: 38308

Ion Ratio Lower Upper

166 100

165 98.6 78.2 117.2

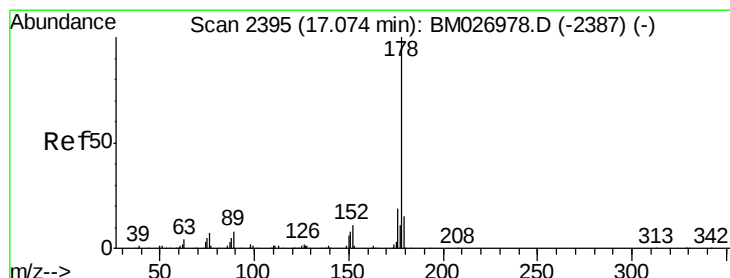
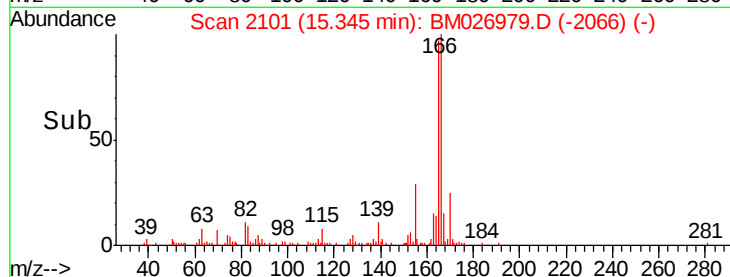
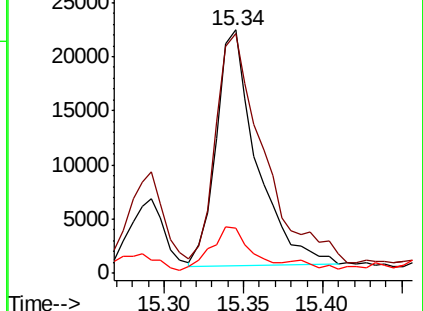
167 18.3 10.3 15.5#



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



#70

Phenanthrene

Concen: 17.703 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BM026979.D

Acq: 03 Aug 2020 15:32

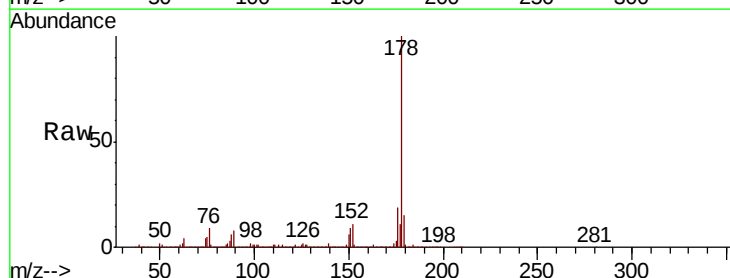
Tgt Ion:178 Resp: 550902

Ion Ratio Lower Upper

178 100

179 15.5 12.0 18.0

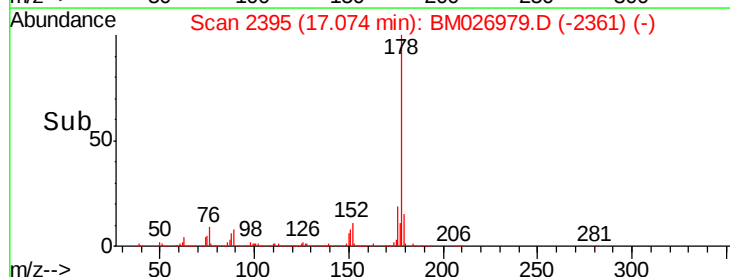
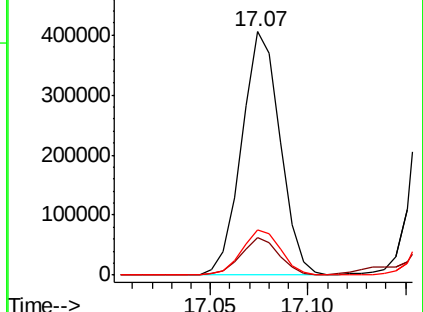
176 18.7 14.7 22.1

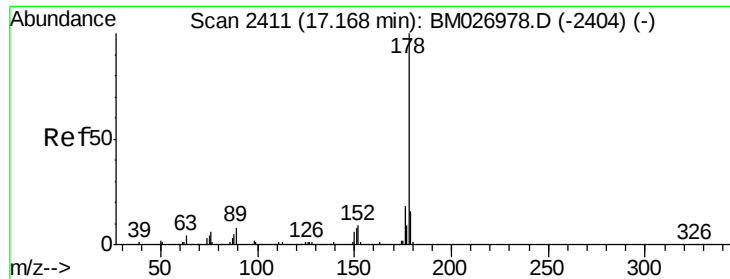


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 29.517 ng/ul

RT: 17.17 min Scan# 2411

Delta R.T. 0.00 min

Lab File: BM026979.D

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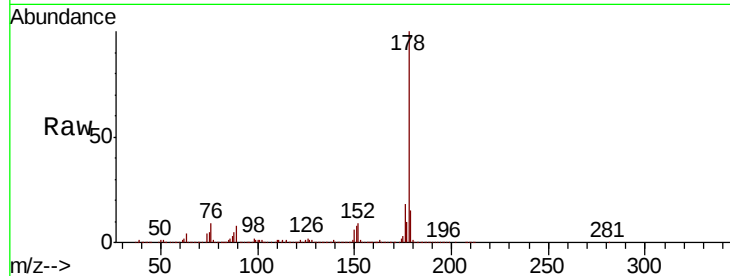
Tot Ion:178 Resp: 944132

Ion Ratio Lower Upper

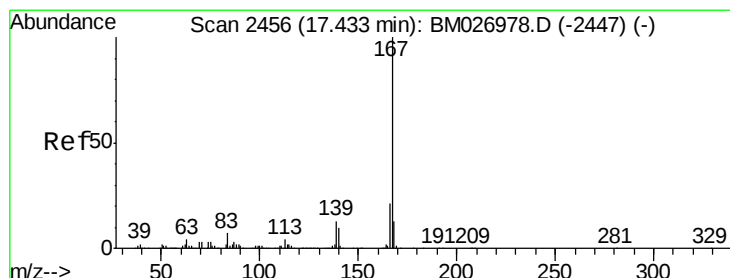
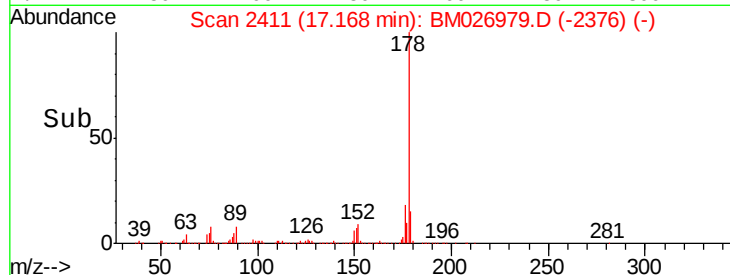
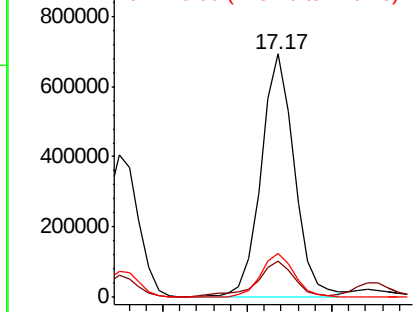
178 100

179 15.0 11.8 17.6

176 18.1 15.0 22.6



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



#75

Carbazole

Concen: 7.601 ng/ul

RT: 17.43 min Scan# 2456

Delta R.T. -0.00 min

Lab File: BM026979.D

Acq: 03 Aug 2020 15:32

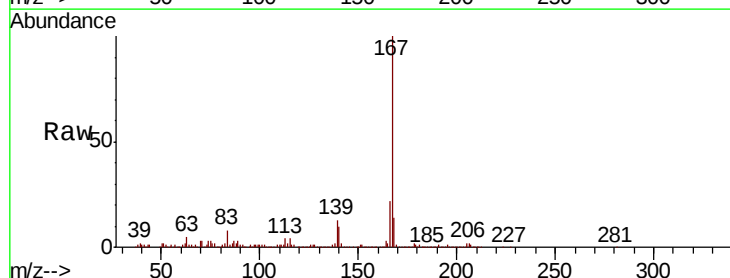
Tgt Ion:167 Resp: 214918

Ion Ratio Lower Upper

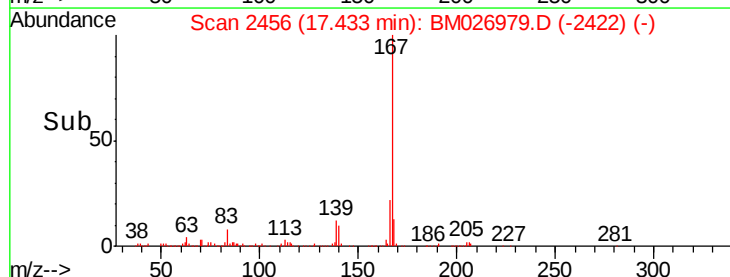
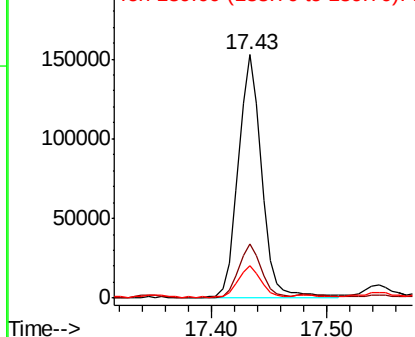
167 100

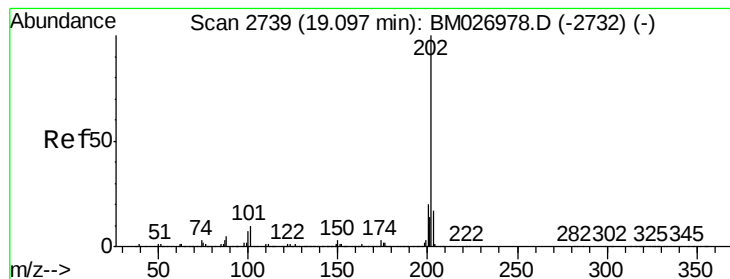
166 22.3 17.1 25.7

139 13.1 10.1 15.1



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





#77

Fluoranthene

Concen: 138.295 ng/ul

RT: 19.10 min Scan# 2740

Delta R.T. 0.01 min

Lab File: BM026979.D

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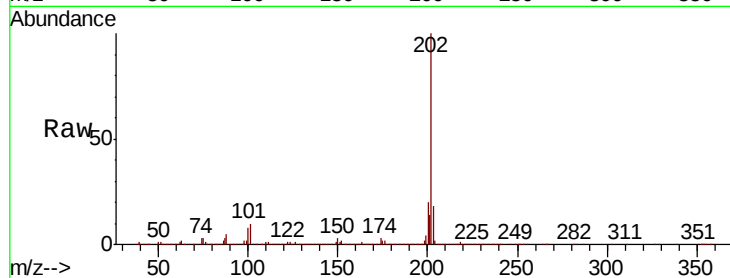
Tot Ion:202 Resp: 5081475

Ion Ratio Lower Upper

202 100

101 9.8 7.7 11.5

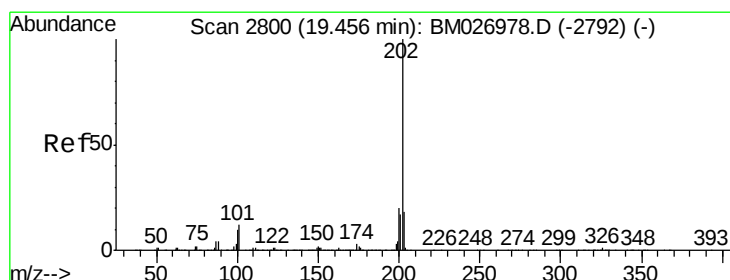
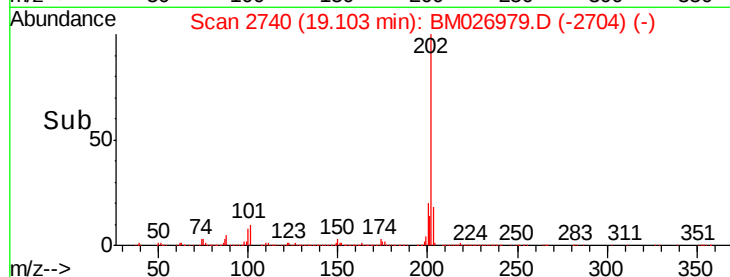
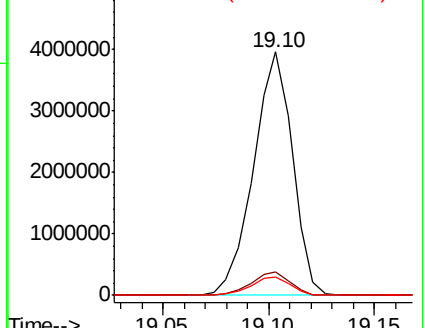
100 7.7 6.2 9.4



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



#80

Pyrene

Concen: 158.070 ng/ul

RT: 19.47 min Scan# 2802

Delta R.T. 0.01 min

Lab File: BM026979.D

Acq: 03 Aug 2020 15:32

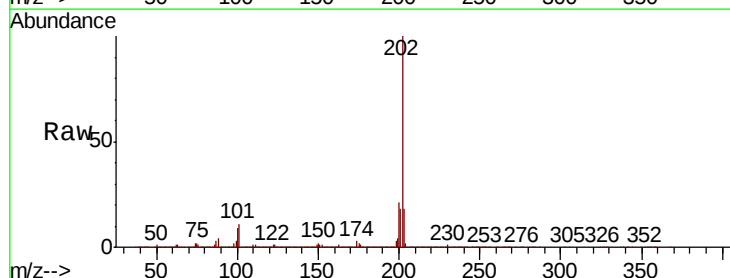
Tgt Ion:202 Resp: 5840629

Ion Ratio Lower Upper

202 100

101 10.8 9.4 14.2

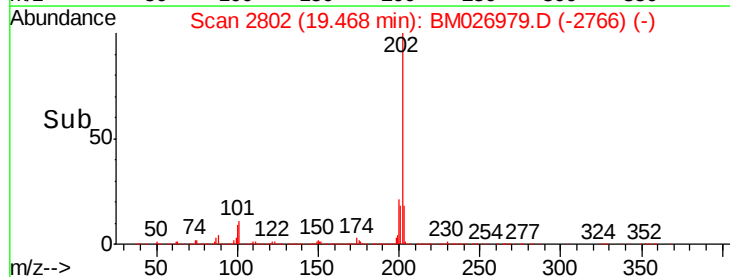
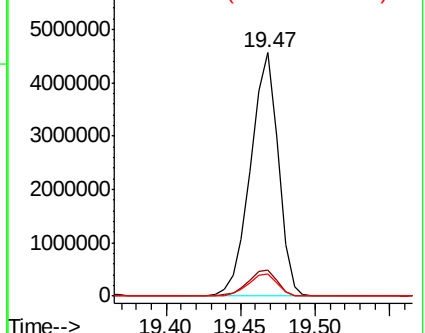
100 9.2 8.2 12.4

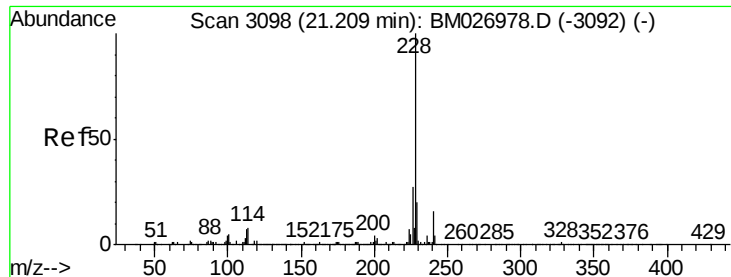


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 92.141 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. 0.01 min

Lab File: BM026979.D

Acq: 03 Aug 2020 15:32

Instrument :

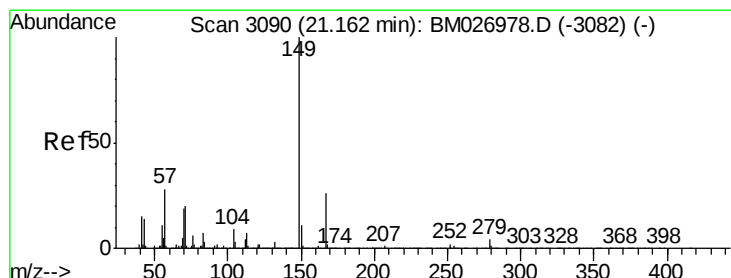
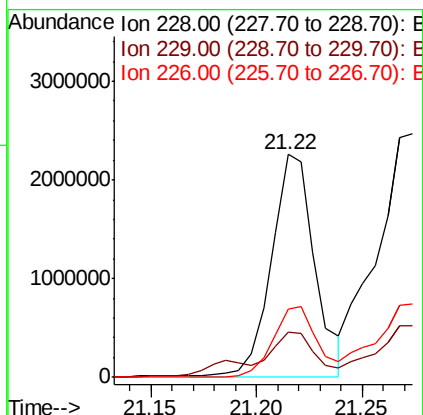
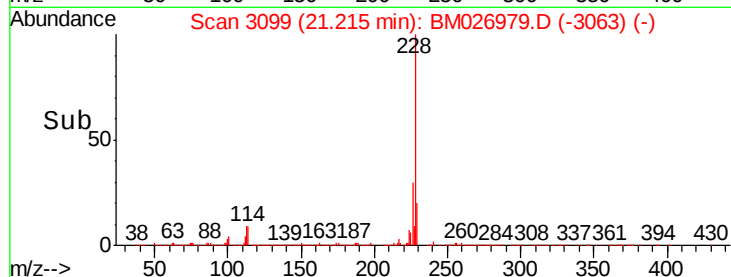
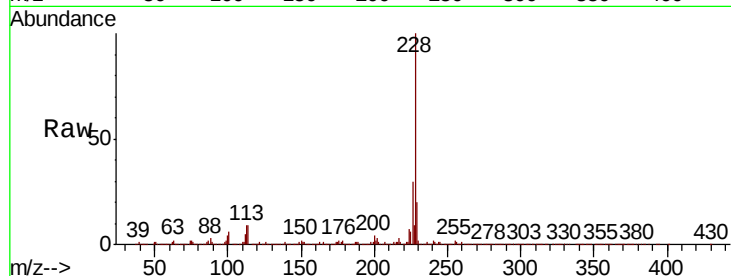
BNA_M

ClientSampleId :

C0S86

Tot Ion:228 Resp: 3225420

Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.4	23.2
226	30.5	20.9	31.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 1.403 ng/ul

RT: 21.17 min Scan# 3091

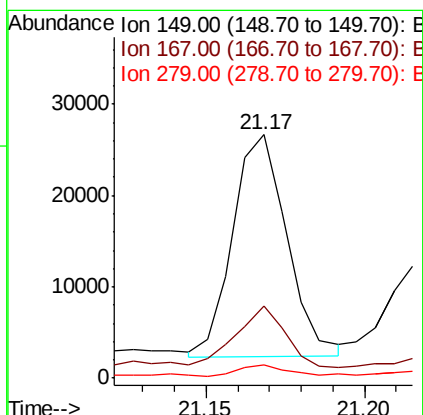
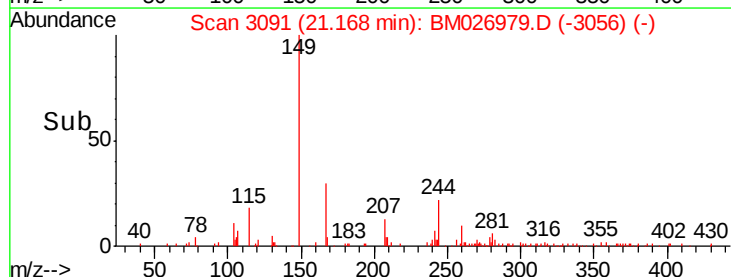
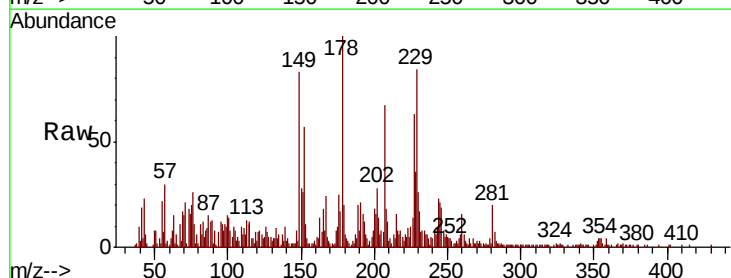
Delta R.T. 0.00 min

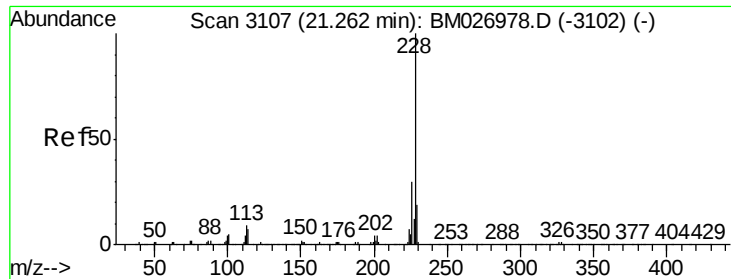
Lab File: BM026979.D

Acq: 03 Aug 2020 15:32

Tgt Ion:149 Resp: 28899

Ion	Ratio	Lower	Upper
149	100		
167	29.4	20.6	31.0
279	5.4	3.0	4.6#



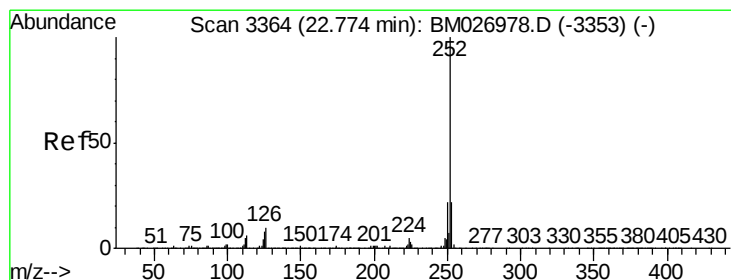
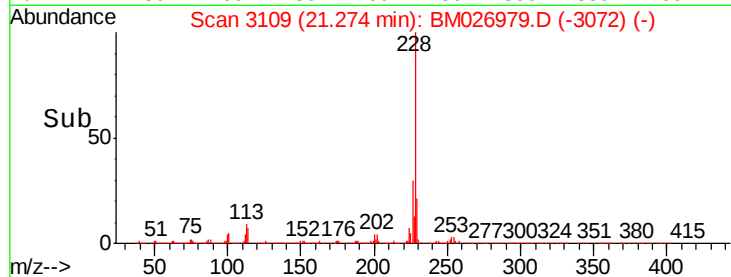
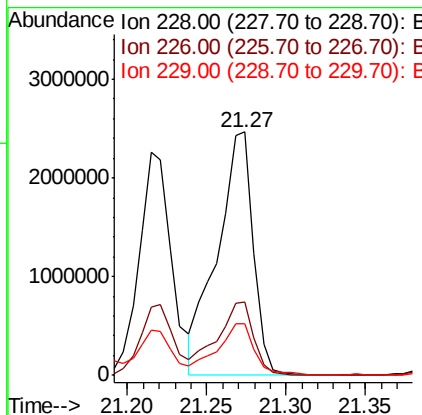
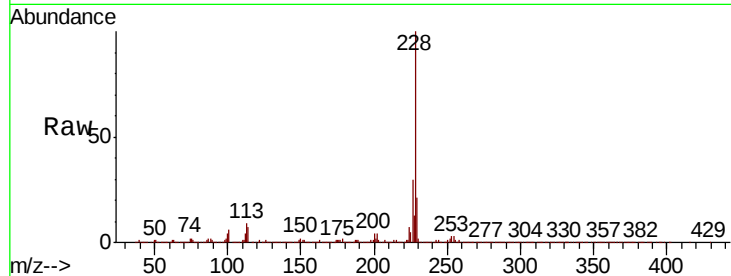


#85
Chrysene
Concen: 113.421 ng/ul
RT: 21.27 min Scan# 3109
Delta R.T. 0.01 min
Lab File: BM026979.D
Acq: 03 Aug 2020 15:32

Instrument :
BNA_M
ClientSampleId :
C0S86

Tot Ion:228 Resp: 3871787

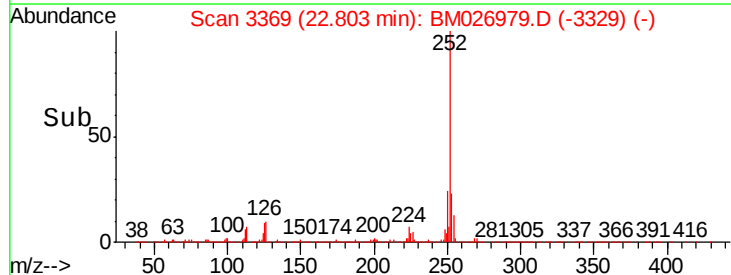
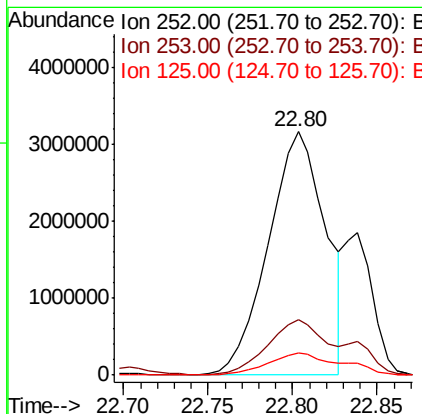
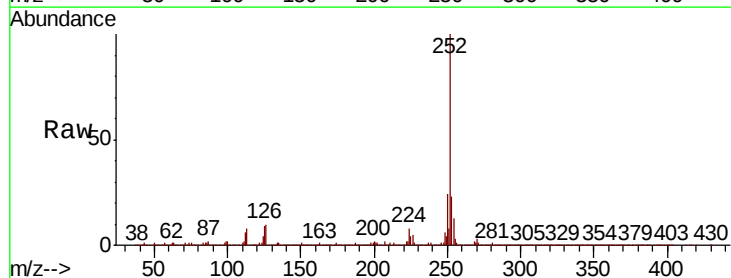
Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.2	34.8
229	21.3	15.5	23.3

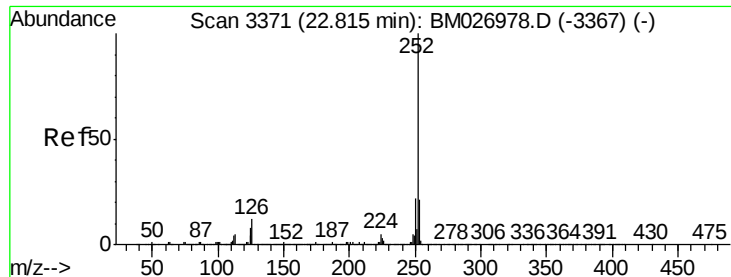


#88
Benzo(b)fluoranthene
Concen: 210.265 ng/ul
RT: 22.80 min Scan# 3369
Delta R.T. 0.03 min
Lab File: BM026979.D
Acq: 03 Aug 2020 15:32

Tgt Ion:252 Resp: 7430513

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	9.2	6.6	10.0





#89

Benzo(k)fluoranthene

Concen: 61.651 ng/ul

RT: 22.84 min Scan# 3375

Delta R.T. 0.02 min

Lab File: BM026979.D

Acq: 03 Aug 2020 15:32

Instrument :

BNA_M

ClientSampleId :

C0S86

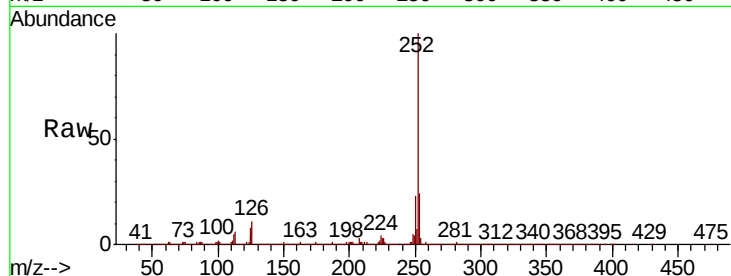
Tot Ion:252 Resp: 2090615

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.2

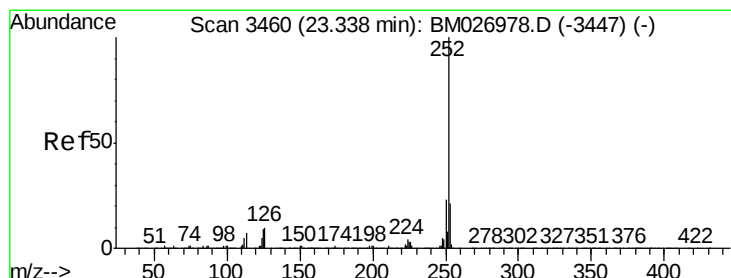
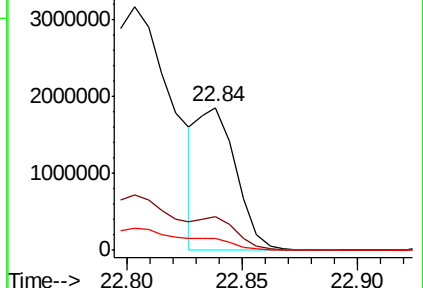
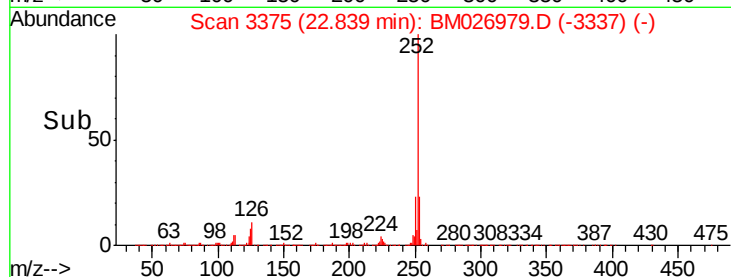
125 8.1 7.3 10.9



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

Benzo(a)pyrene

Concen: 69.900 ng/ul

RT: 23.36 min Scan# 3463

Delta R.T. 0.02 min

Lab File: BM026979.D

Acq: 03 Aug 2020 15:32

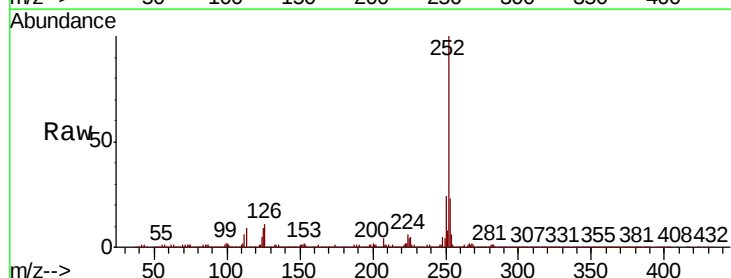
Tgt Ion:252 Resp: 2228973

Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

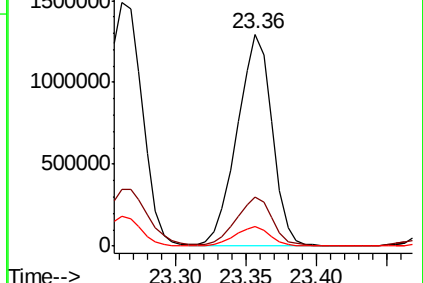
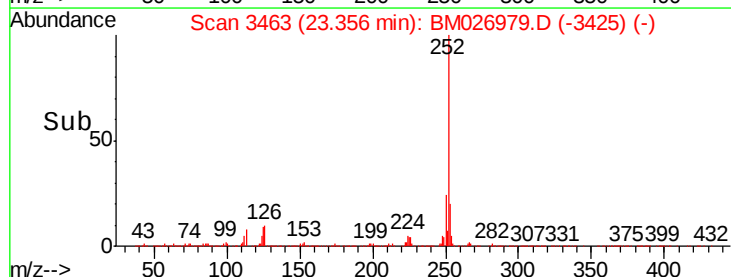
125 9.2 8.2 12.2

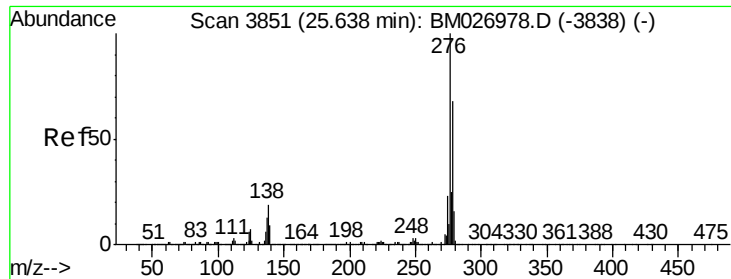


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 64.496 ng/ul

RT: 25.67 min Scan# 3856

Delta R.T. 0.03 min

Lab File: BM026979.D

Acq: 03 Aug 2020 15:32

Instrument :

BNA_M

ClientSampleId :

C0S86

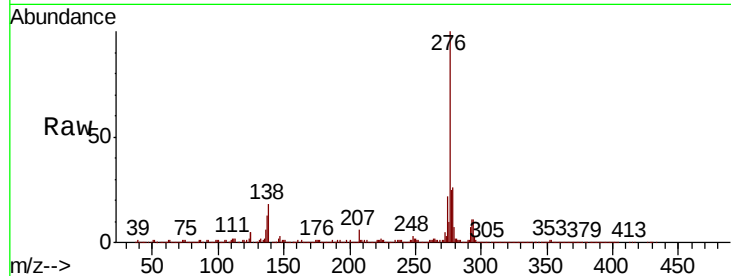
Tot Ion:276 Resp: 2551413

Ion Ratio Lower Upper

276 100

138 17.5 17.0 25.4

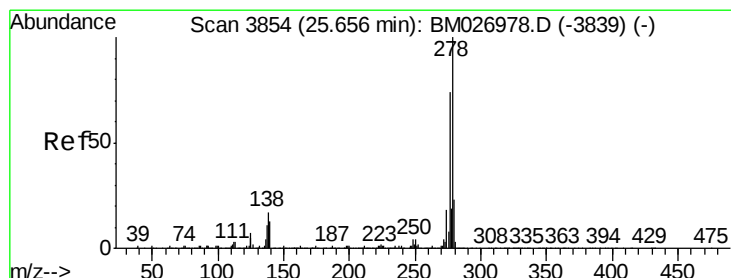
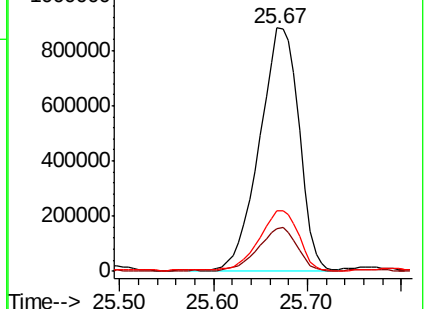
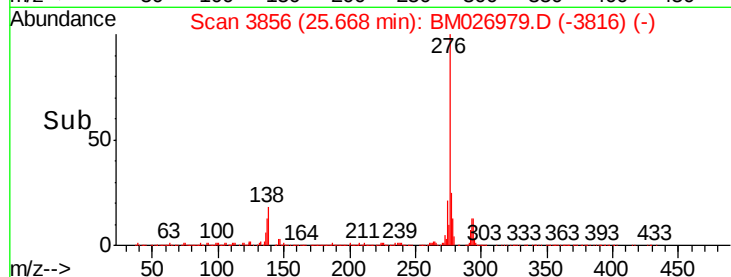
277 25.1 20.6 30.8



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



#93

Dibenzo(a,h)anthracene

Concen: 19.842 ng/ul

RT: 25.67 min Scan# 3856

Delta R.T. 0.01 min

Lab File: BM026979.D

Acq: 03 Aug 2020 15:32

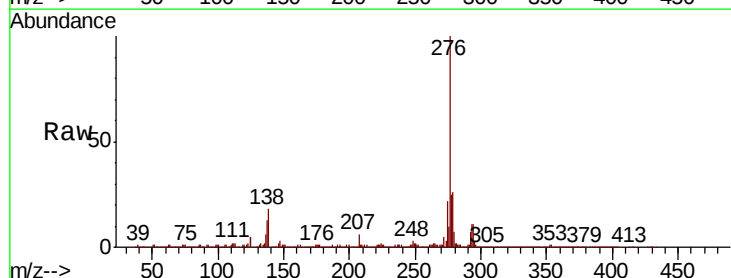
Tgt Ion:278 Resp: 663879

Ion Ratio Lower Upper

278 100

139 0.0 10.9 16.3#

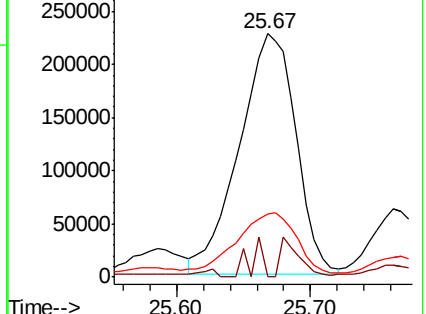
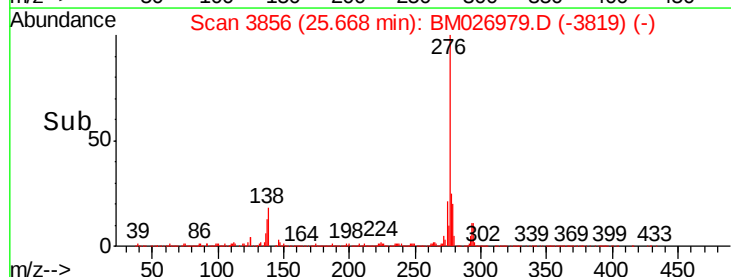
279 26.0 19.4 29.2

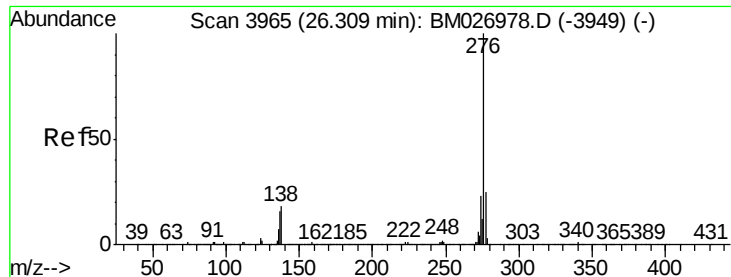


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

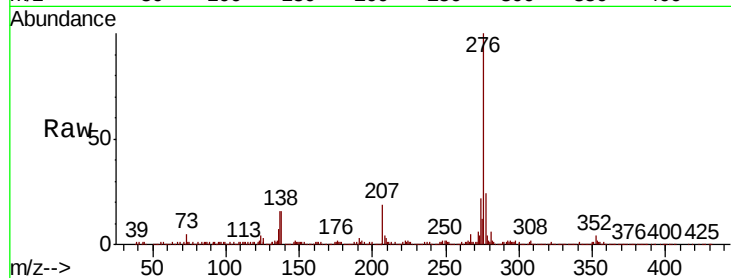




#94
 Benzo(a,h,i)perylene
 Concen: 21.820 ng/ul
 RT: 26.34 min Scan# 3970
 Delta R.T. 0.03 min
 Lab File: BM026979.D
 Acq: 03 Aug 2020 15:32

Instrument :
 BNA_M
 ClientSampleId :
 C0S86

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.5	14.9	22.3
277	23.8	19.1	28.7



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

