

Data File : BM026986.D
Acq On : 03 Aug 2020 19:50
Operator : JU/CG
Sample : L3424-05DL 25X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0S80DL

Quant Time: Aug 04 02:36:55 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	102554	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	406354	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	244161	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.03	188	501940	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	483014	20.00	ng/ul	0.00
86) Perylene-d12	23.43	264	484895	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	69	0.03	ng/uL	0.00
5) Phenol-d5	6.84	99	7564	0.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	5141	0.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	5913	0.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	5769	0.83	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	3054	0.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	2704	0.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	5446	0.79	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	2137	0.26	ng/ul	0.00
44) Dimethylphthalate-d6	13.70	166	17261	0.90	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	20690	0.85	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	998	0.31	ng/ul	0.00
58) Fluorene-d10	15.29	176	14069	0.84	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	993	0.44	ng/ul	0.00
71) Anthracene-d10	17.03	188	501940	20.01	ng/ul	-0.10
79) Pyrene-d10	19.43	212	25200	0.98	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.29	264	24519	0.90	ng/ul	0.00

Target Compounds

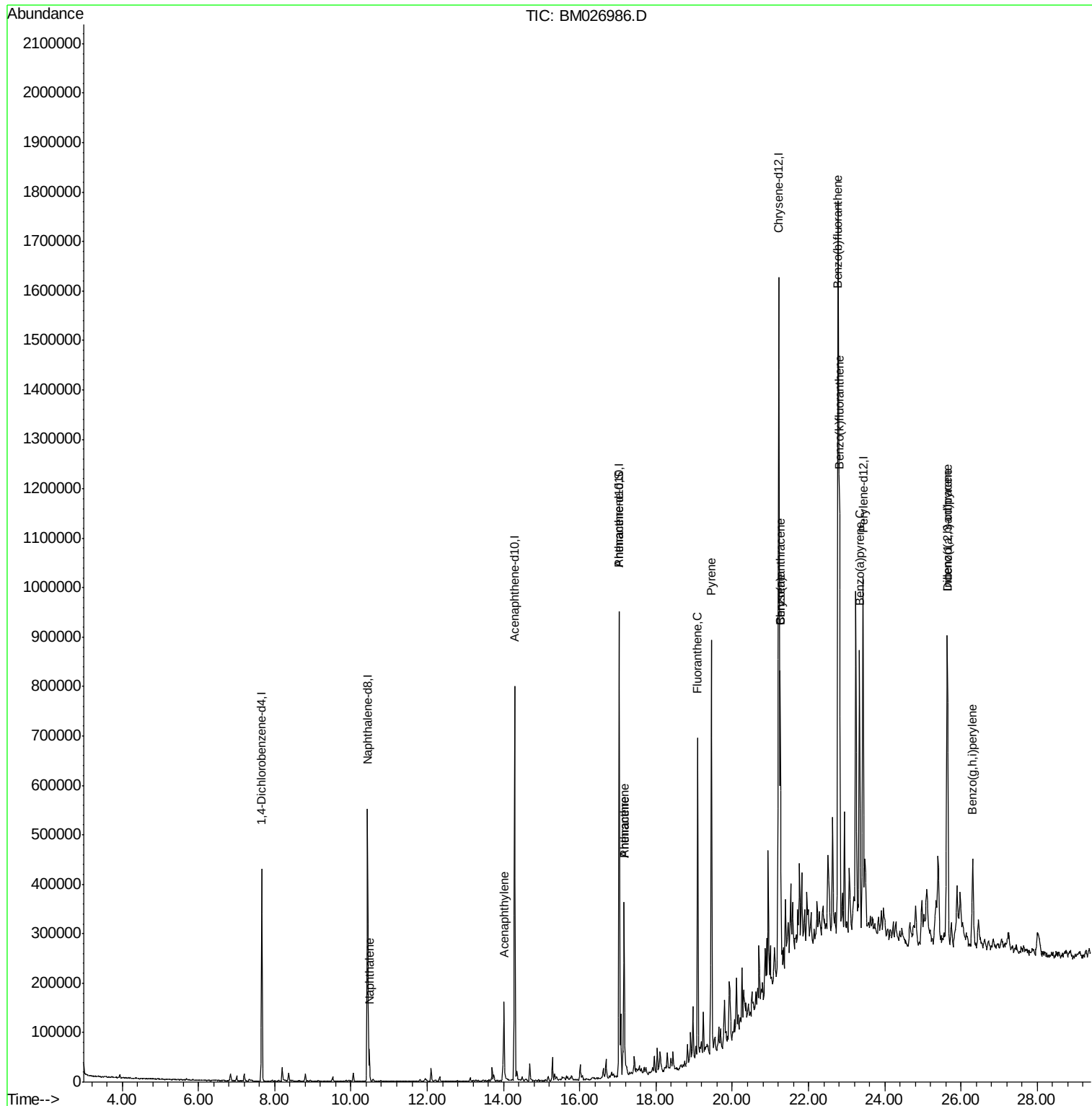
					Qvalue	
28) Naphthalene	10.48	128	47450	2.090	ng/ul	97
48) Acenaphthylene	14.01	152	117302	4.739	ng/ul	99
70) Phenanthrene	17.17	178	228065	7.485	ng/ul	99
72) Anthracene	17.17	178	230323	7.355	ng/ul	99
77) Fluoranthene	19.09	202	344320	9.571	ng/ul	99
80) Pyrene	19.46	202	468538	13.333	ng/ul	98
83) Benzo(a)anthracene	21.26	228	392744	11.797	ng/ul	94
85) Chrysene	21.26	228	392776	12.098	ng/ul	97
88) Benzo(b)fluoranthene	22.78	252	1199368	34.576	ng/ul	99
89) Benzo(k)fluoranthene	22.82	252	435594	13.087	ng/ul	98
91) Benzo(a)pyrene	23.33	252	385221	12.307	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.64	276	544530	14.023	ng/ul	96
93) Dibenzo(a,h)anthracene	25.64	278	146907	4.473	ng/ul#	88
94) Benzo(g,h,i)perylene	26.31	276	195223	6.080	ng/ul	99

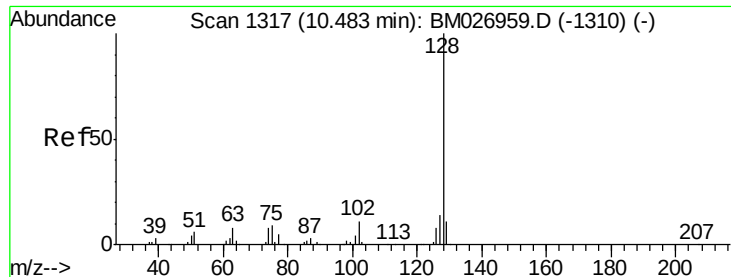
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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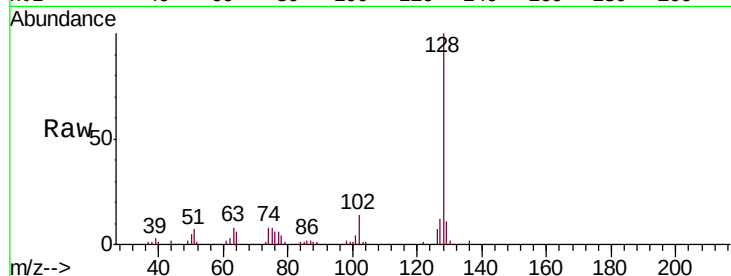




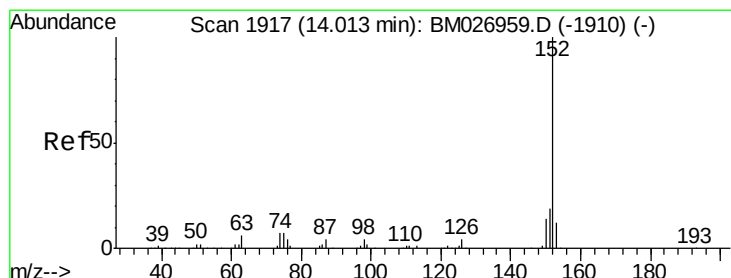
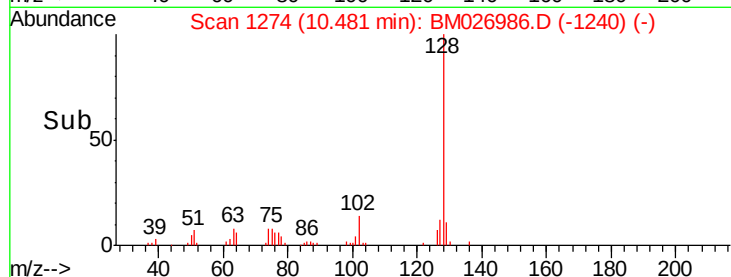
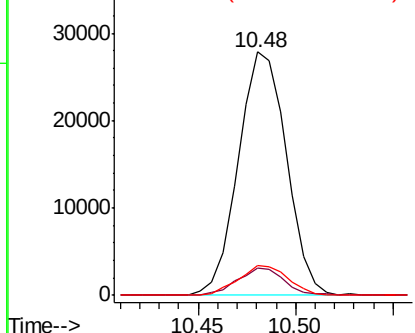
#28
Naphthalene
Concen: 2.090 ng/ul
RT: 10.48 min Scan# 1274
Delta R.T. -0.00 min
Lab File: BM026986.D
Acq: 03 Aug 2020 19:50

Instrument :
BNA_M
ClientSampleId :
C0S80DL

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.3	12.5
127	12.3	11.0	16.6

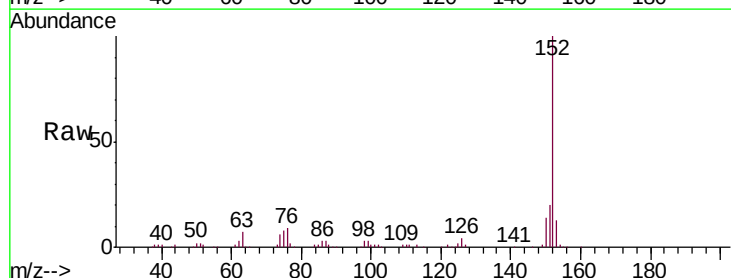


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

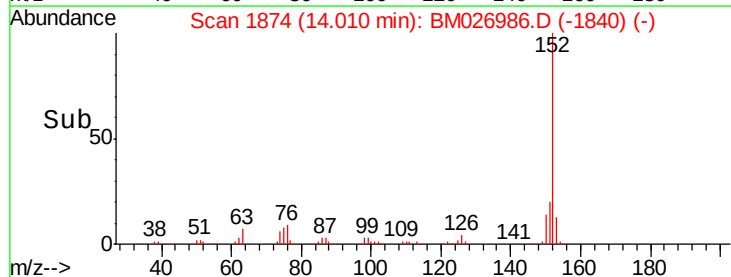
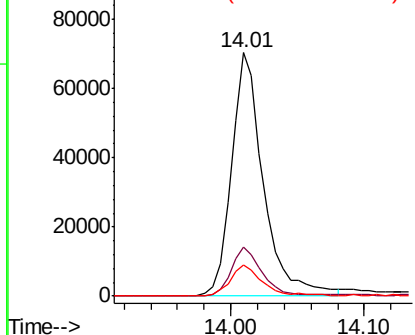


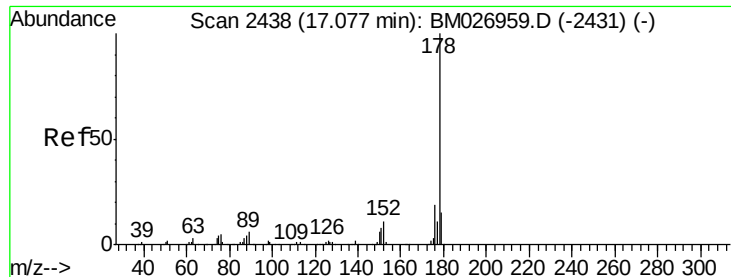
#48
Acenaphthylene
Concen: 4.739 ng/ul
RT: 14.01 min Scan# 1874
Delta R.T. -0.00 min
Lab File: BM026986.D
Acq: 03 Aug 2020 19:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	12.7	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

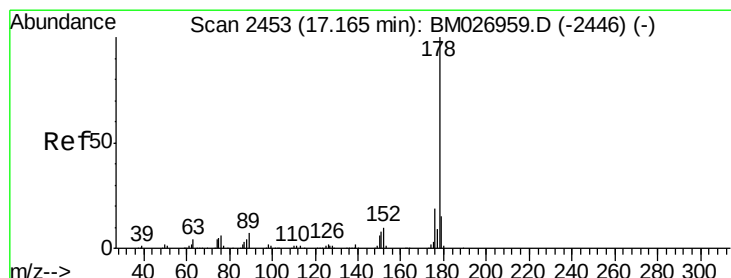
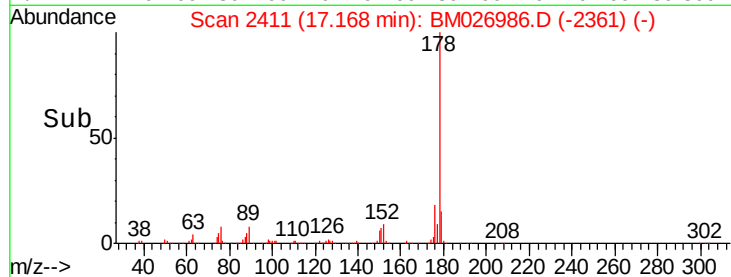
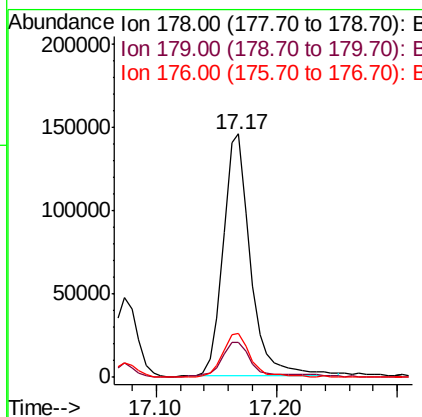
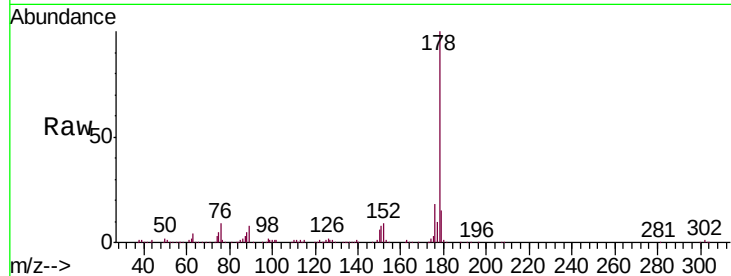




#70
Phenanthrene
Concen: 7.485 ng/ul
RT: 17.17 min Scan# 2411
Delta R.T. 0.09 min
Lab File: BM026986.D
Acq: 03 Aug 2020 19:50

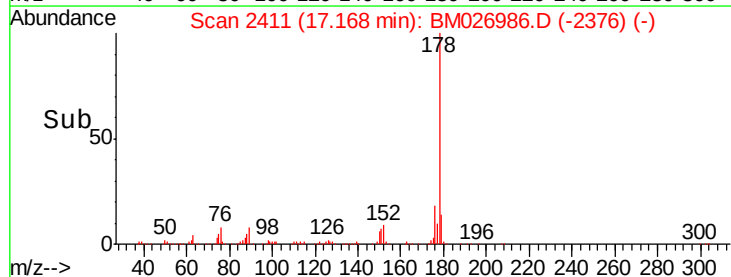
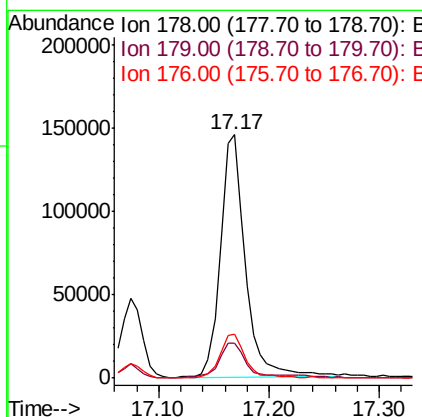
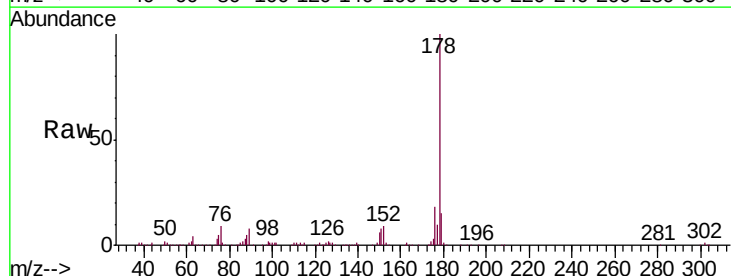
Instrument :
BNA_M
ClientSampleId :
C0S80DL

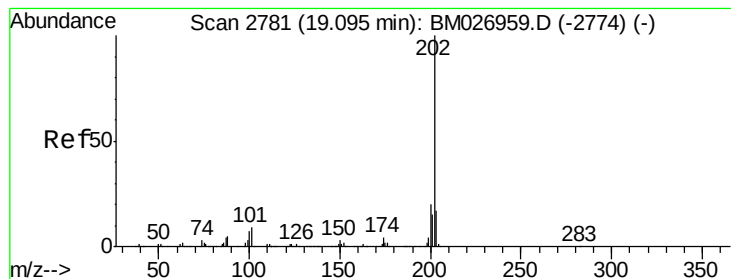
Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.5	12.0	18.0
176	18.0	14.7	22.1



#72
Anthracene
Concen: 7.355 ng/ul
RT: 17.17 min Scan# 2411
Delta R.T. 0.00 min
Lab File: BM026986.D
Acq: 03 Aug 2020 19:50

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.5	11.8	17.6
176	18.0	15.0	22.6





#77

Fluoranthene

Concen: 9.571 ng/ul

RT: 19.09 min Scan# 2738

Delta R.T. -0.00 min

Lab File: BM026986.D

Acq: 03 Aug 2020 19:50

Instrument :

BNA_M

ClientSampleId :

C0S80DL

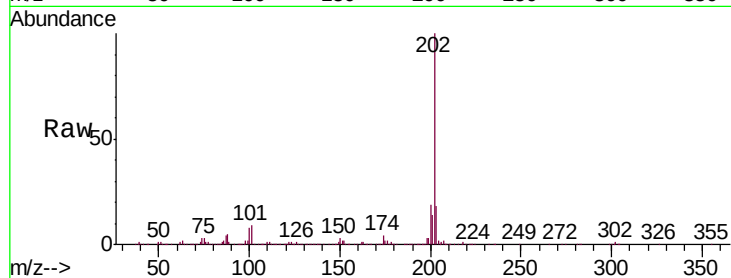
Tgt Ion:202 Resp: 344320

Ion Ratio Lower Upper

202 100

101 9.2 7.7 11.5

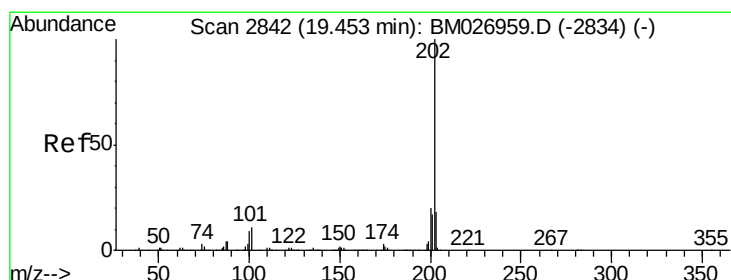
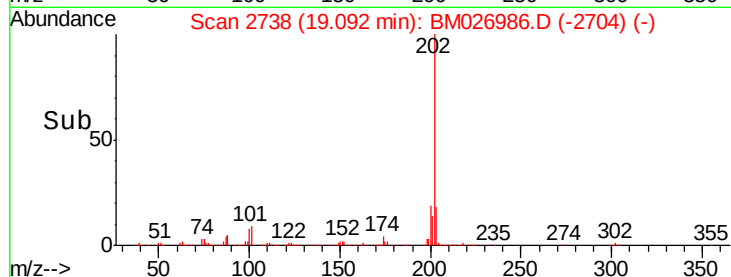
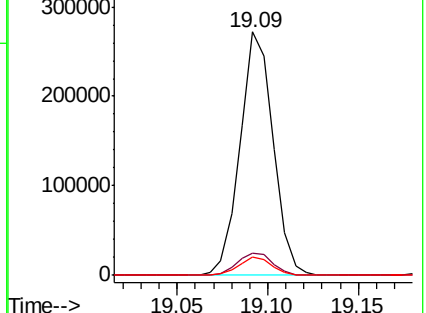
100 7.6 6.2 9.4



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: 13.333 ng/ul

RT: 19.46 min Scan# 2800

Delta R.T. -0.00 min

Lab File: BM026986.D

Acq: 03 Aug 2020 19:50

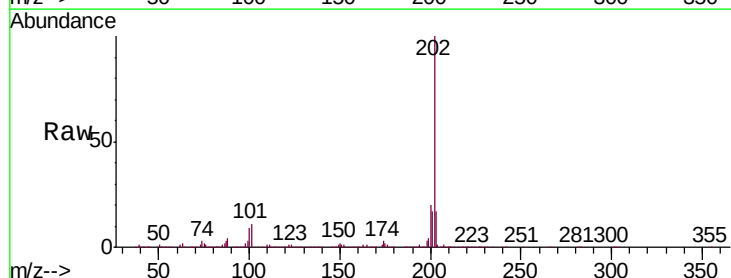
Tgt Ion:202 Resp: 468538

Ion Ratio Lower Upper

202 100

101 11.2 9.4 14.2

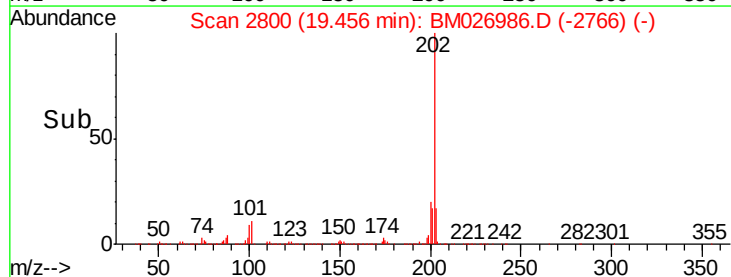
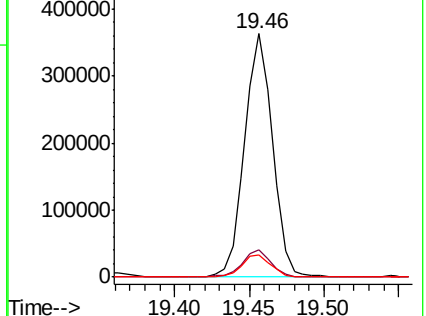
100 9.1 8.2 12.4

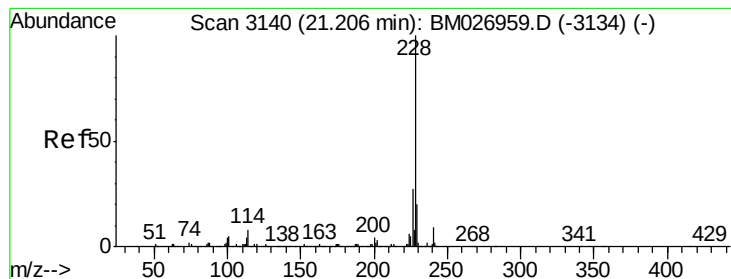


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 11.797 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. 0.05 min

Lab File: BM026986.D

Acq: 03 Aug 2020 19:50

Instrument :

BNA_M

ClientSampleId :

C0S80DL

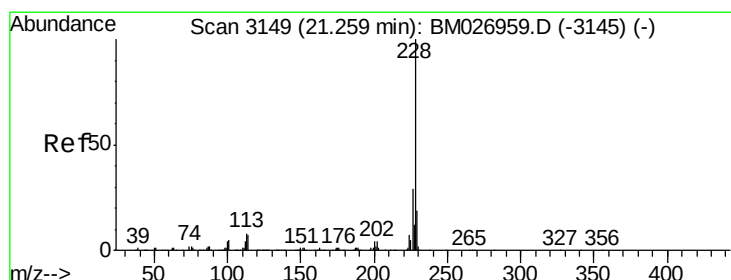
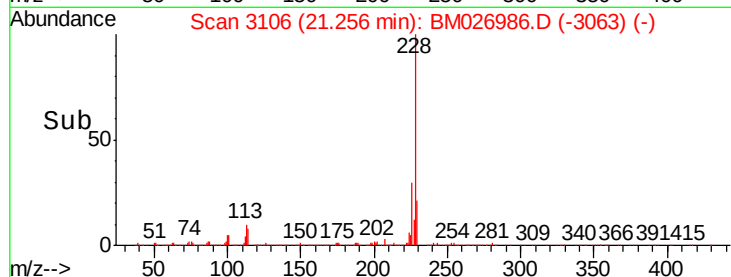
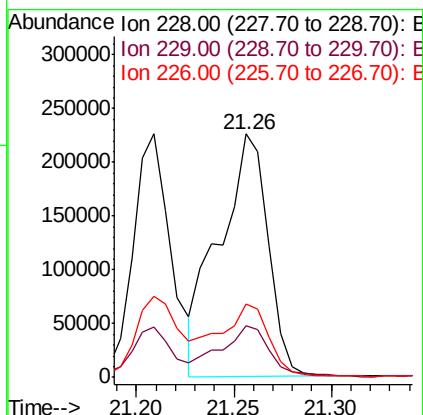
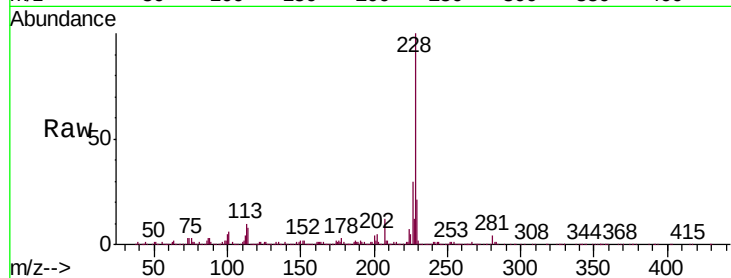
Tgt Ion:228 Resp: 392744

Ion Ratio Lower Upper

228 100

229 21.1 15.4 23.2

226 30.2 20.9 31.3



#85

Chrysene

Concen: 12.098 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. -0.00 min

Lab File: BM026986.D

Acq: 03 Aug 2020 19:50

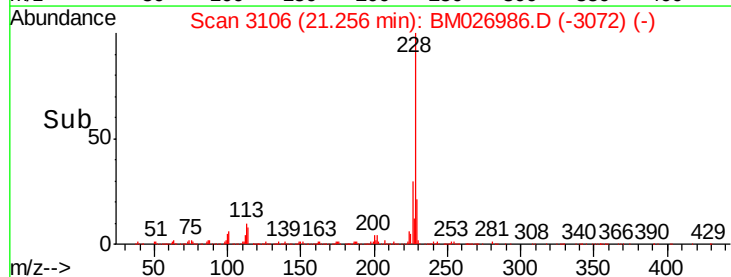
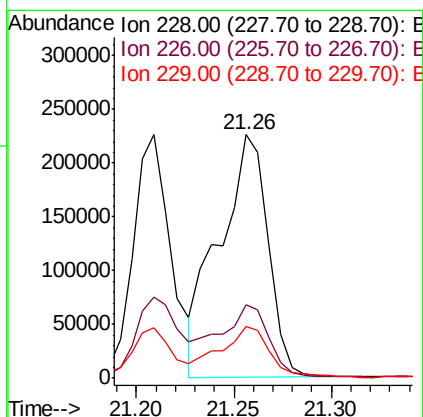
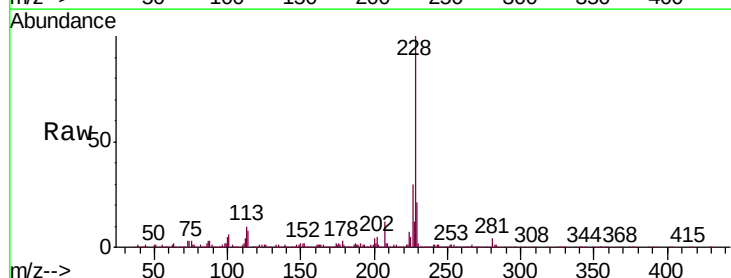
Tgt Ion:228 Resp: 392776

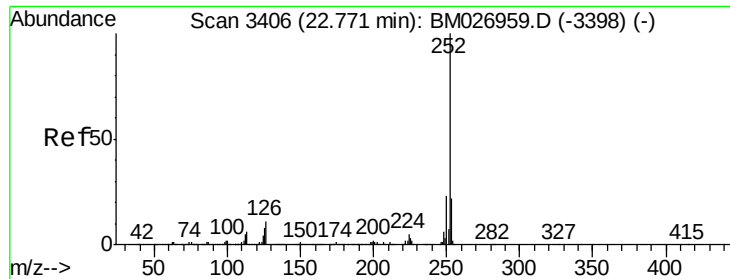
Ion Ratio Lower Upper

228 100

226 30.2 23.2 34.8

229 21.1 15.5 23.3





#88

Benzo(b)fluoranthene

Concen: 34.576 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. 0.01 min

Lab File: BM026986.D

Acq: 03 Aug 2020 19:50

Instrument :

BNA_M

ClientSampleId :

C0S80DL

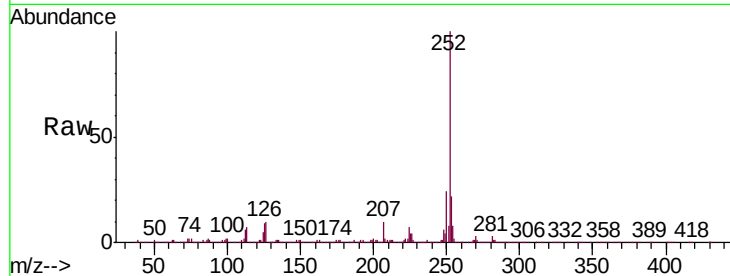
Tgt Ion:252 Resp: 1199368

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

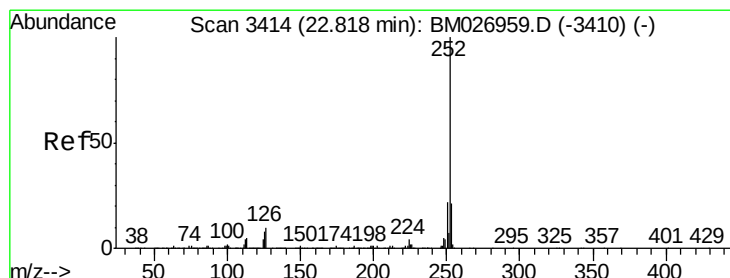
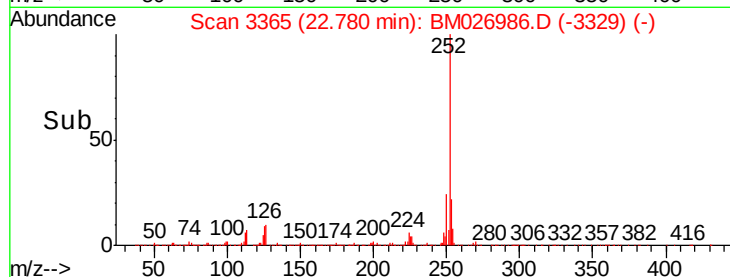
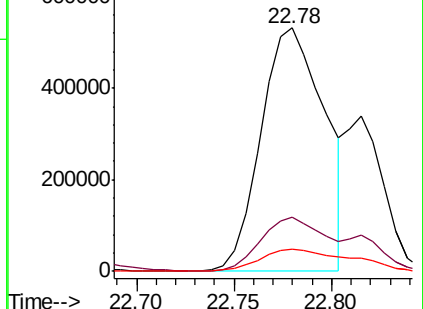
125 8.9 6.6 10.0



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



#89

Benzo(k)fluoranthene

Concen: 13.087 ng/ul

RT: 22.82 min Scan# 3371

Delta R.T. -0.00 min

Lab File: BM026986.D

Acq: 03 Aug 2020 19:50

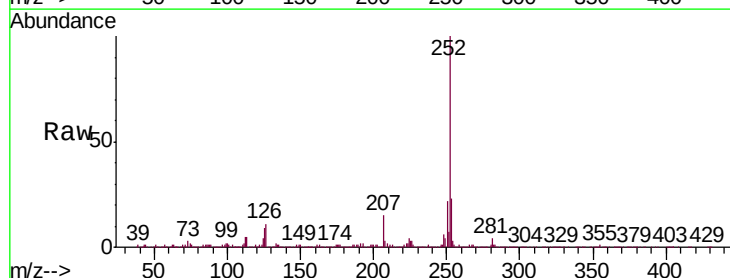
Tgt Ion:252 Resp: 435594

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

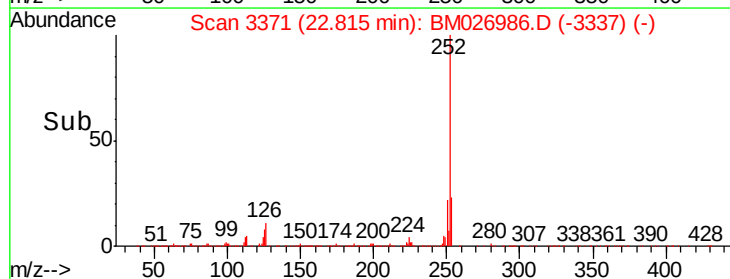
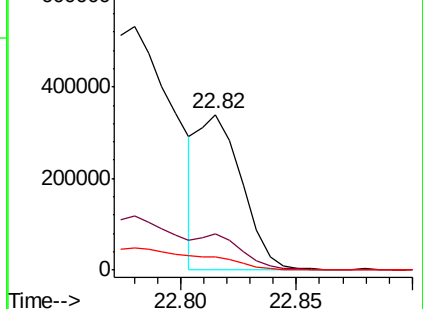
125 8.8 7.3 10.9

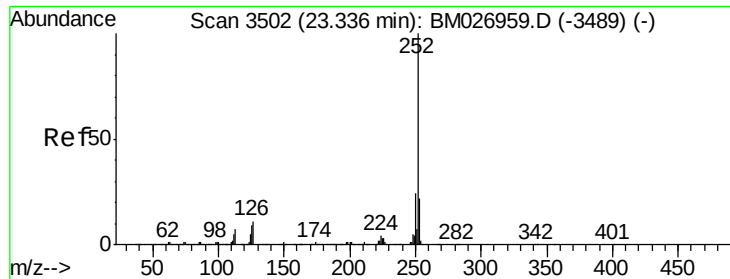


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 12.307 ng/ul

RT: 23.33 min Scan# 3459

Delta R.T. -0.00 min

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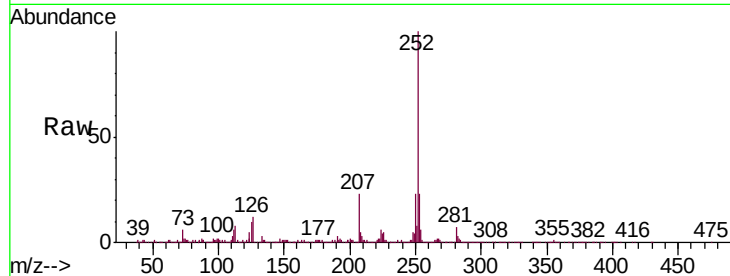
Tgt Ion:252 Resp: 385221

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

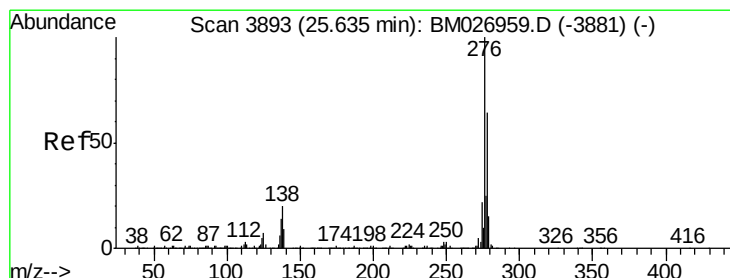
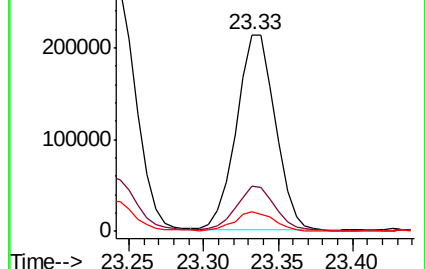
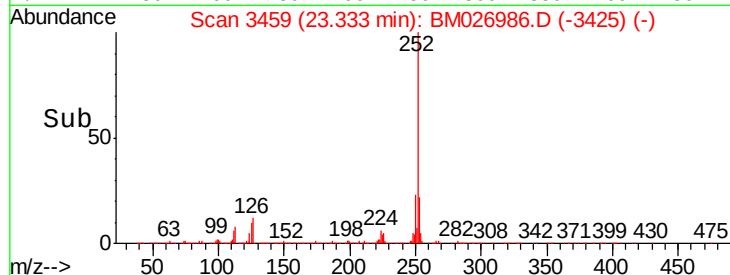
125 10.0 8.2 12.2



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: 14.023 ng/ul

RT: 25.64 min Scan# 3851

Delta R.T. 0.00 min

Lab File: BM026986.D

Acq: 03 Aug 2020 19:50

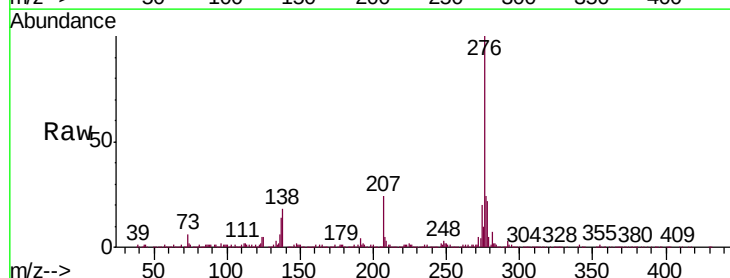
Tgt Ion:276 Resp: 544530

Ion Ratio Lower Upper

276 100

138 18.5 17.0 25.4

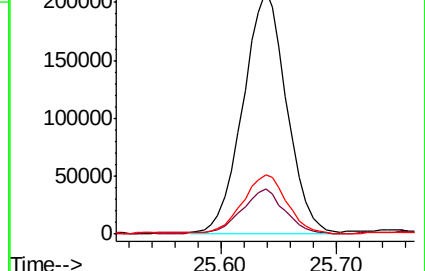
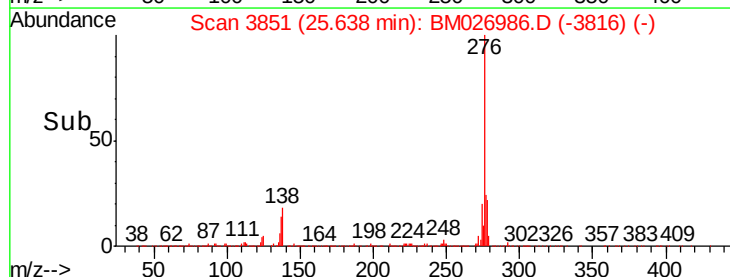
277 24.4 20.6 30.8

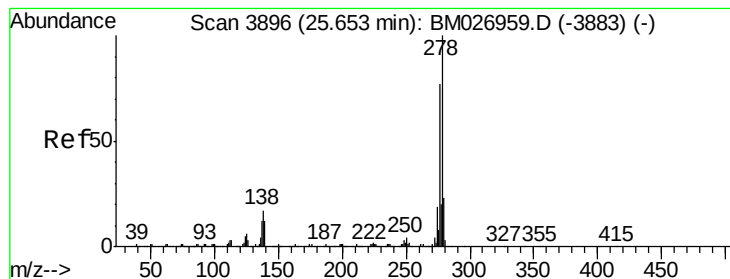


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 4.473 ng/ul

RT: 25.64 min Scan# 3852

Delta R.T. -0.01 min

Lab File: BM026986.D

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C0S80DL

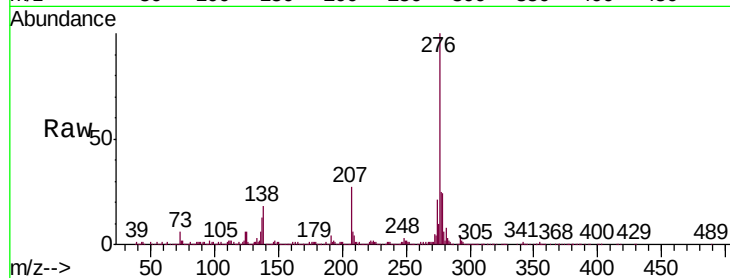
Tgt Ion:278 Resp: 146907

Ion Ratio Lower Upper

278 100

139 0.0 10.9 16.3#

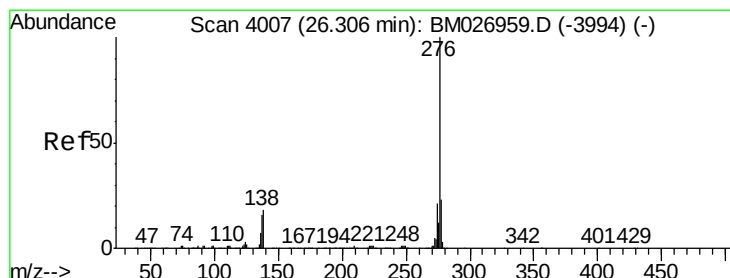
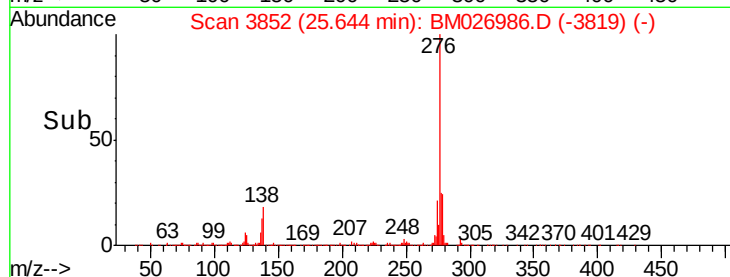
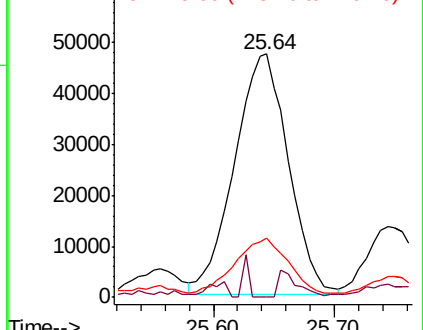
279 24.3 19.4 29.2



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(g,h,i)perylene

Concen: 6.080 ng/ul

RT: 26.31 min Scan# 3965

Delta R.T. -0.00 min

Lab File: BM026986.D

Acq: 03 Aug 2020 19:50

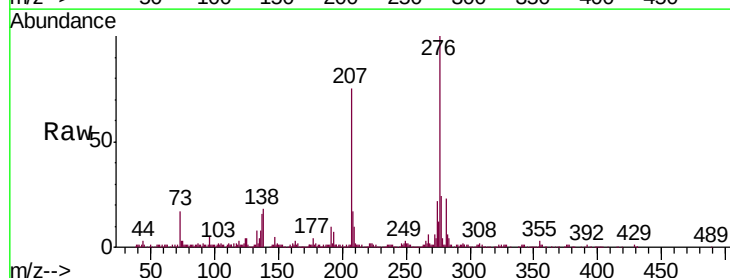
Tgt Ion:276 Resp: 195223

Ion Ratio Lower Upper

276 100

138 17.8 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

