

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\
 Data File : BN006577.D
 Acq On : 25 Jun 2019 19:08
 Operator : HP/JU
 Sample : K3388-07DL 5X
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4218DL

Quant Time: Jun 26 00:51:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 25 07:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	5802	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	21862	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	10385	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	19115	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	10621	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	13600	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.01	152	1002	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	1704	0.03	ng/ul	0.00

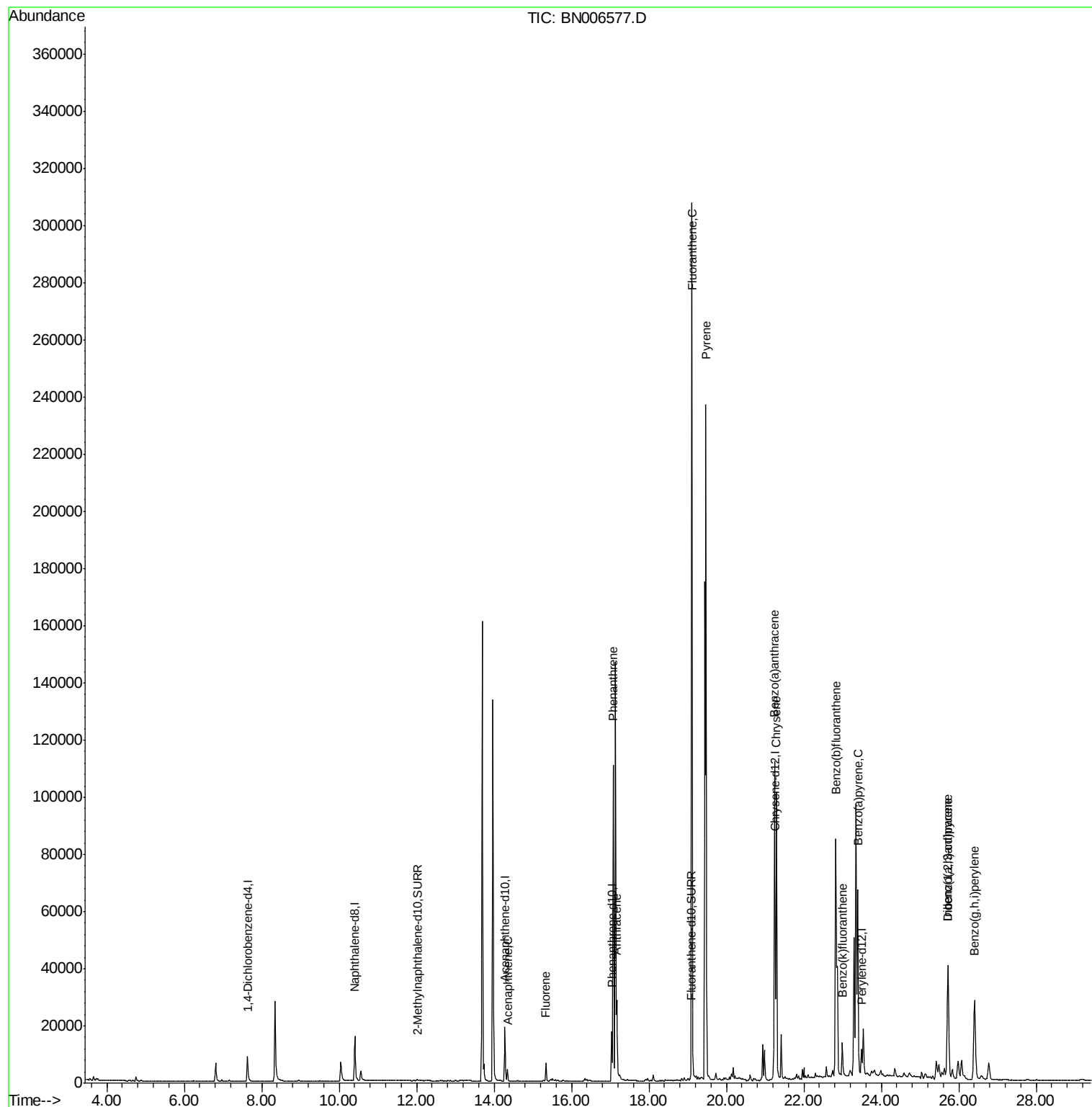
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Acenaphthene	14.34	153	2305	0.058	ng/ul	99
9) Fluorene	15.34	166	4237	0.090	ng/ul	97
12) Phenanthrene	17.08	178	120084	1.957	ng/ul	99
13) Anthracene	17.17	178	28893	0.493	ng/ul	99
15) Fluoranthene	19.11	202	252069	3.720	ng/ul	99
17) Pyrene	19.47	202	193726	3.463	ng/ul	99
18) Benzo(a)anthracene	21.24	228	92327	1.965	ng/ul	99
19) Chrysene	21.29	228	102944	2.334	ng/ul	100
21) Benzo(b)fluoranthene	22.82	252	178803	3.153	ng/ul	90
22) Benzo(k)fluoranthene	22.99	252	9761	0.177	ng/ul	93
23) Benzo(a)pyrene	23.39	252	86479	1.637	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.72	276	63891	1.118	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.73	278	15014	0.329	ng/ul	99
26) Benzo(g,h,i)perylene	26.41	276	56636	1.183	ng/ul	95

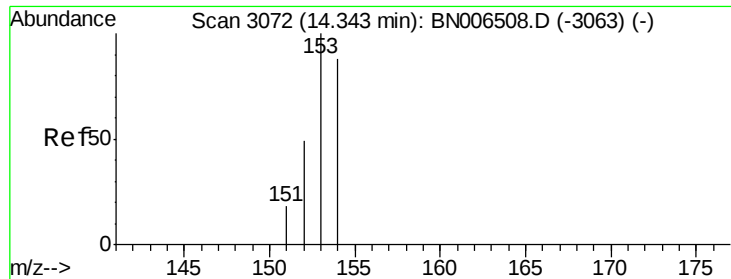
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthene

Concen: 0.058 ng/ul

RT: 14.34 min Scan# 3072

Delta R.T. 0.00 min

Lab File: BN006577.D

Acq: 25 Jun 2019 19:08

Instrument :

BNA_N

ClientSampleId :

A4218DL

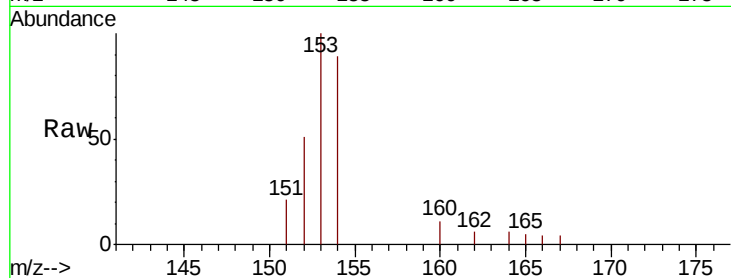
Tgt Ion:153 Resp: 2305

Ion Ratio Lower Upper

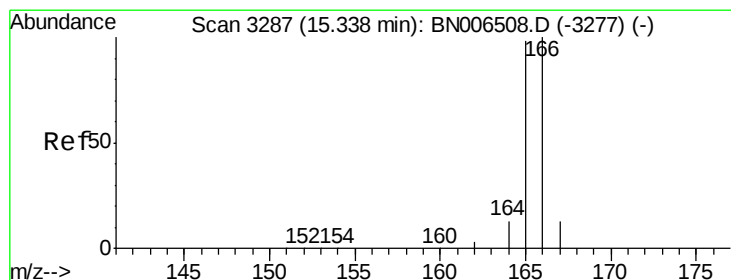
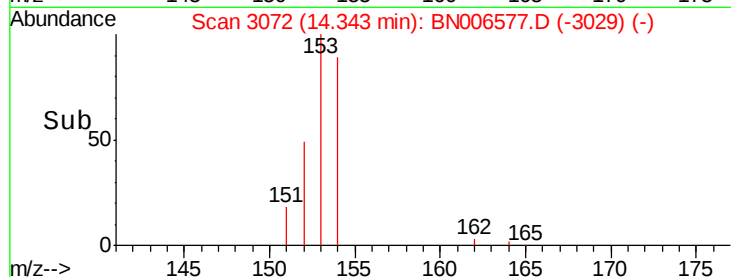
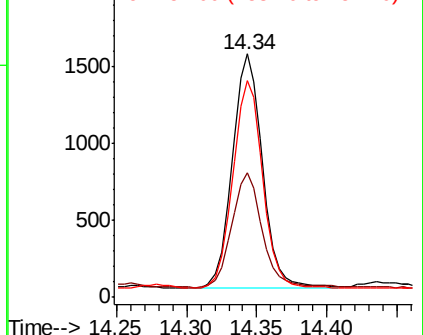
153 100

152 51.2 39.1 58.7

154 89.2 71.1 106.7



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



#9

Fluorene

Concen: 0.090 ng/ul

RT: 15.34 min Scan# 3287

Delta R.T. -0.00 min

Lab File: BN006577.D

Acq: 25 Jun 2019 19:08

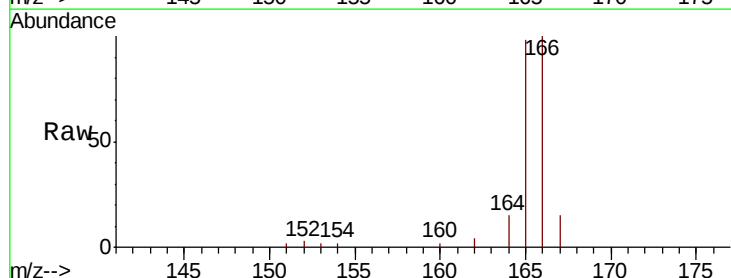
Tgt Ion:166 Resp: 4237

Ion Ratio Lower Upper

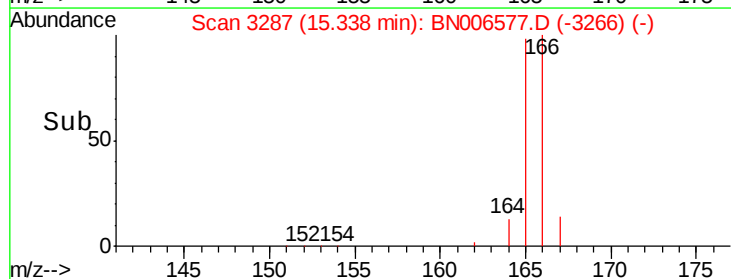
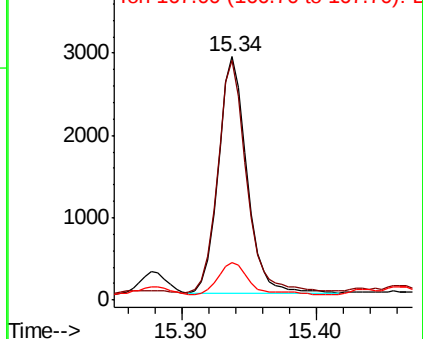
166 100

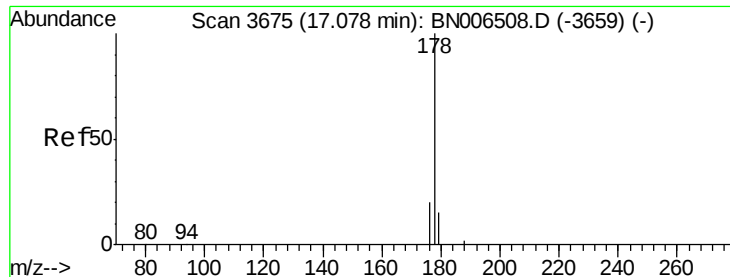
165 98.5 76.4 114.6

167 15.4 11.0 16.6



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





#12

Phenanthrene

Concen: 1.957 ng/ul

RT: 17.08 min Scan# 3675

Delta R.T. 0.00 min

Lab File: BN006577.D

Acq: 25 Jun 2019 19:08

Instrument :

BNA_N

ClientSampleId :

A4218DL

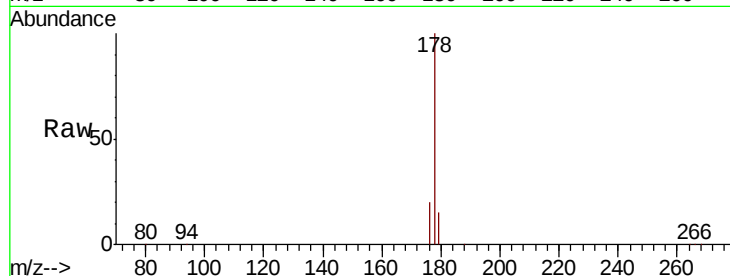
Tgt Ion:178 Resp: 120084

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

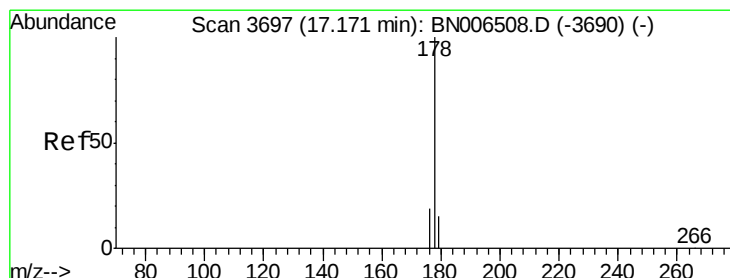
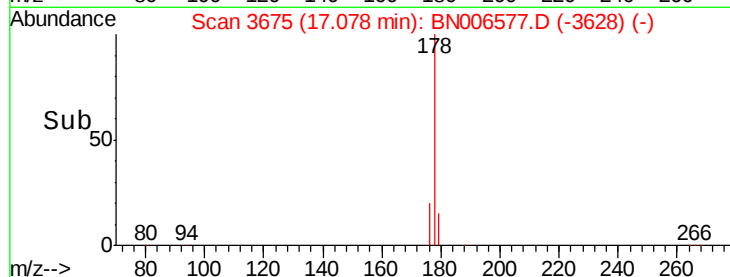
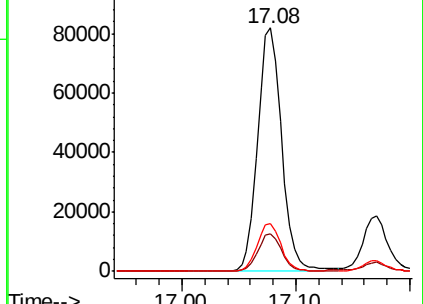
176 19.6 15.3 22.9



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



#13

Anthracene

Concen: 0.493 ng/ul

RT: 17.17 min Scan# 3697

Delta R.T. -0.00 min

Lab File: BN006577.D

Acq: 25 Jun 2019 19:08

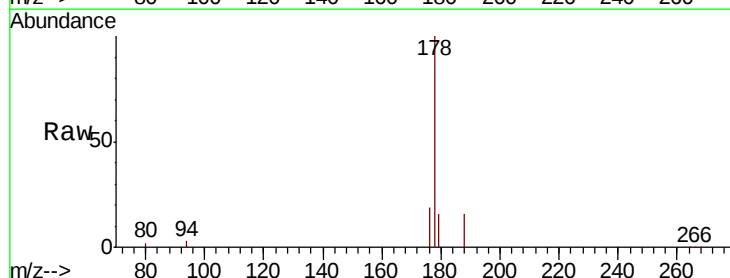
Tgt Ion:178 Resp: 28893

Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.4

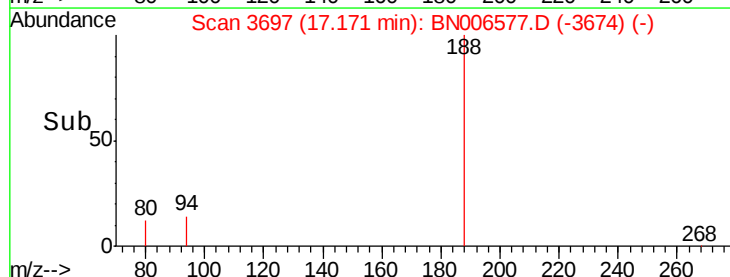
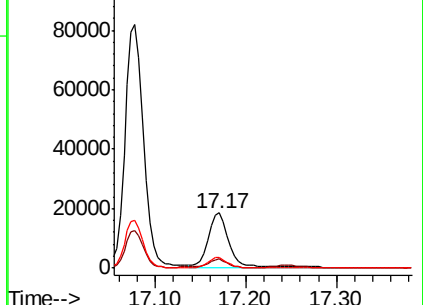
176 18.7 15.1 22.7

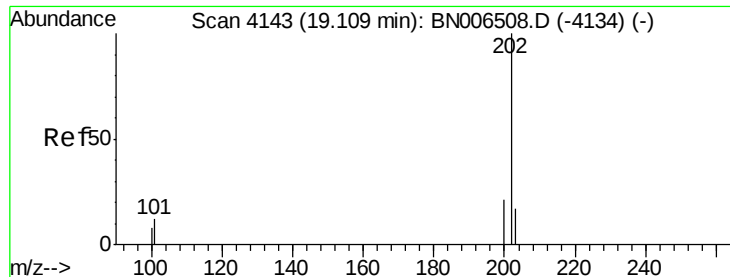


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

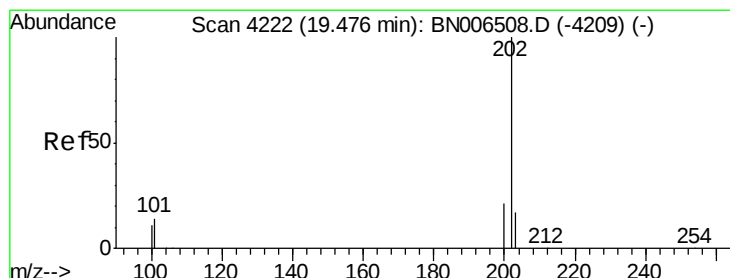
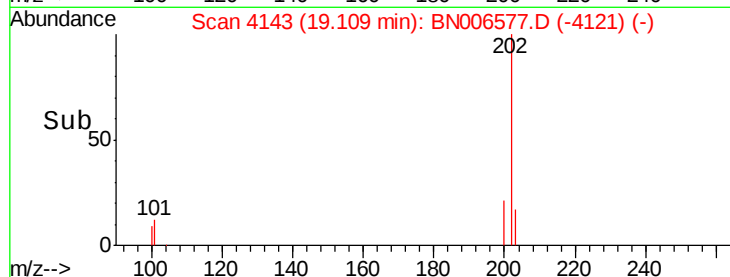
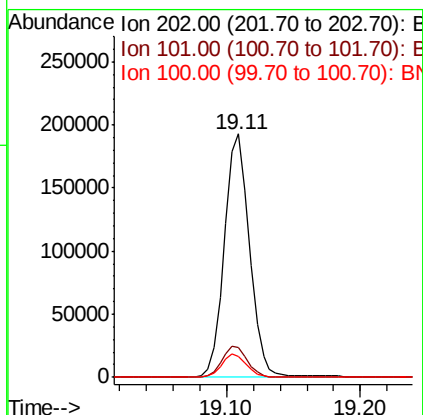
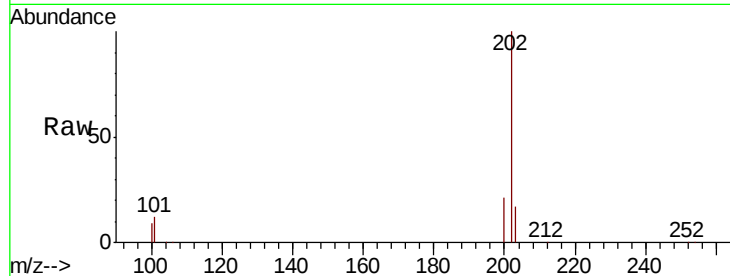




#15
Fluoranthene
Concen: 3.720 ng/ul
RT: 19.11 min Scan# 4143
Delta R.T. 0.00 min
Lab File: BN006577.D
Acq: 25 Jun 2019 19:08

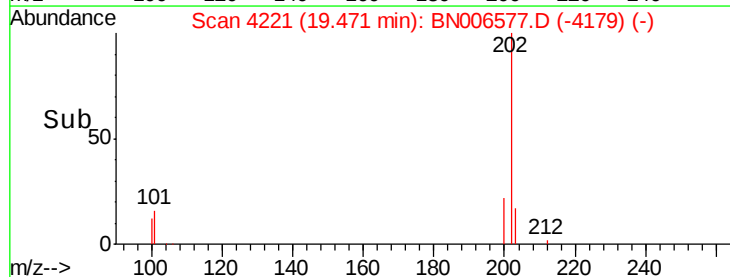
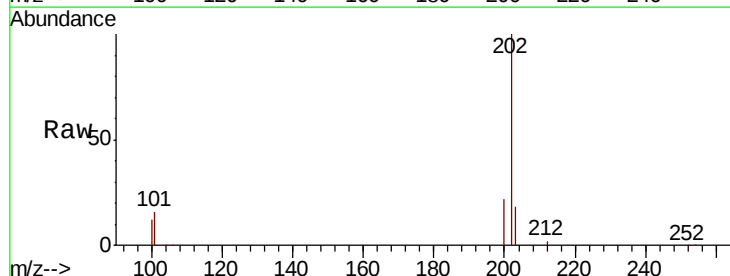
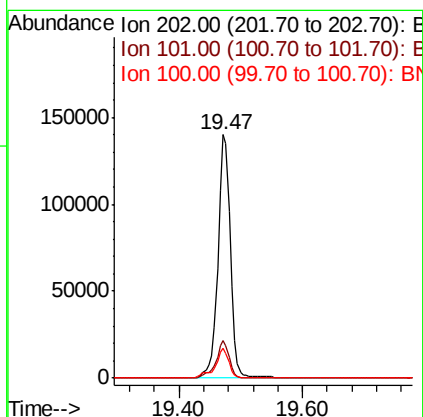
Instrument :
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A4218DL

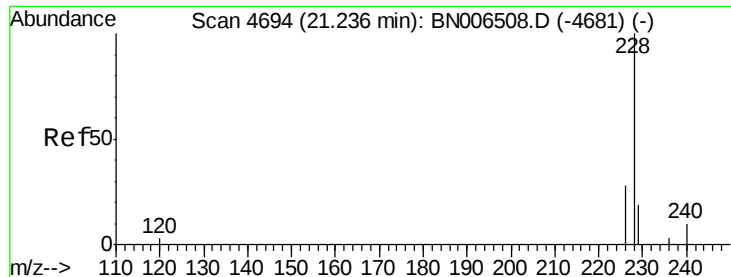
Tgt Ion:202 Resp: 252069
Ion Ratio Lower Upper
202 100
101 12.4 0.0 32.1
100 8.8 0.0 28.7



#17
Pyrene
Concen: 3.463 ng/ul
RT: 19.47 min Scan# 4221
Delta R.T. -0.00 min
Lab File: BN006577.D
Acq: 25 Jun 2019 19:08

Tgt Ion:202 Resp: 193726
Ion Ratio Lower Upper
202 100
101 15.6 12.2 18.2
100 12.2 9.8 14.6





#18

Benzo(a)anthracene

Concen: 1.965 ng/ul

RT: 21.24 min Scan# 4695

Delta R.T. 0.00 min

Lab File: BN006577.D

Acq: 25 Jun 2019 19:08

Instrument :

BNA_N

ClientSampleId :

A4218DL

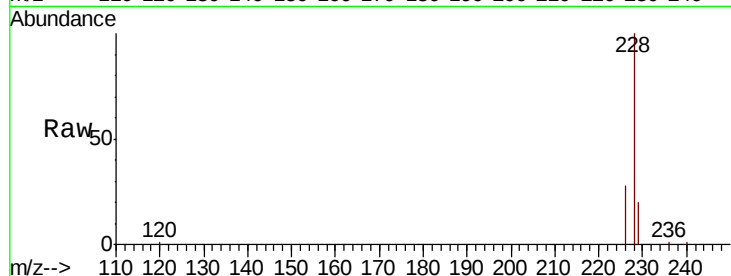
Tgt Ion:228 Resp: 92327

Ion Ratio Lower Upper

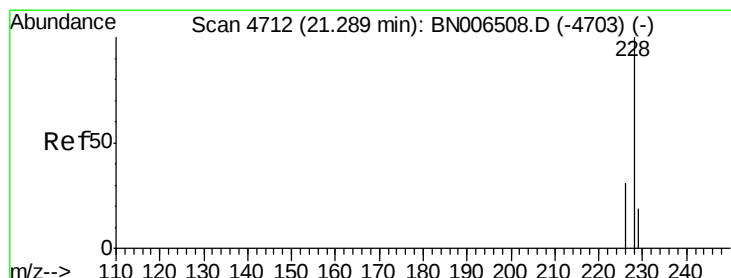
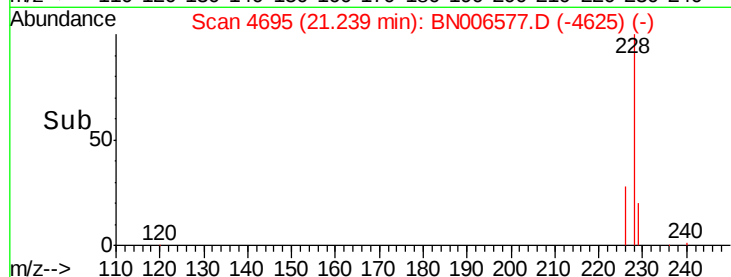
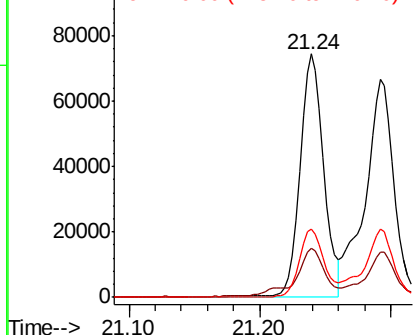
228 100

229 20.4 16.5 24.7

226 27.9 22.8 34.2



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



#19

Chrysene

Concen: 2.334 ng/ul

RT: 21.29 min Scan# 4713

Delta R.T. 0.00 min

Lab File: BN006577.D

Acq: 25 Jun 2019 19:08

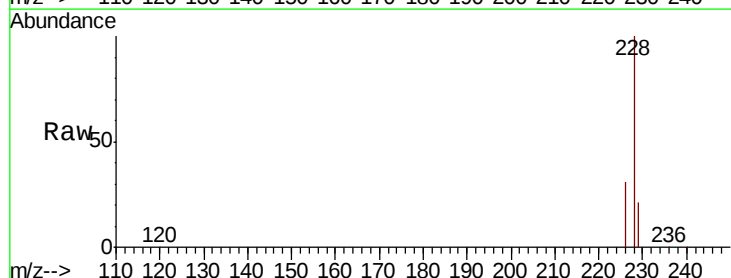
Tgt Ion:228 Resp: 102944

Ion Ratio Lower Upper

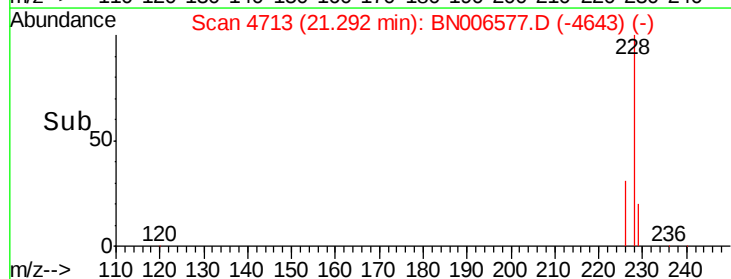
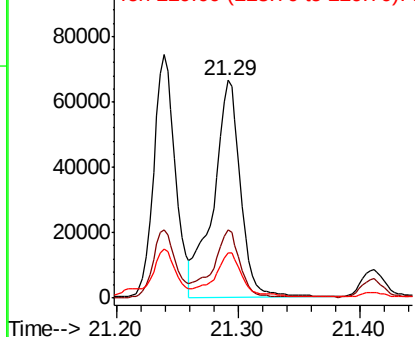
228 100

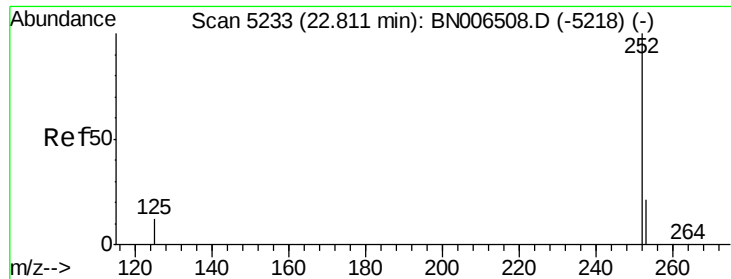
226 31.2 25.0 37.6

229 20.8 16.3 24.5



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





#21

Benzo(b)fluoranthene

Concen: 3.153 ng/u1

RT: 22.82 min Scan# 5236

Delta R.T. 0.01 min

Lab File: BN006577.D

Acq: 25 Jun 2019 19:08

Instrument :

BNA_N

ClientSampleId :

A4218DL

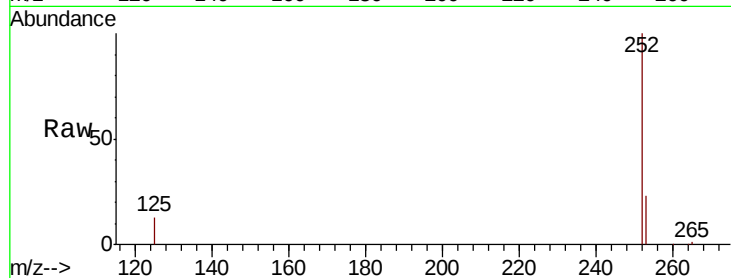
Tgt Ion:252 Resp: 178803

Ion Ratio Lower Upper

252 100

253 22.6 0.0 51.4

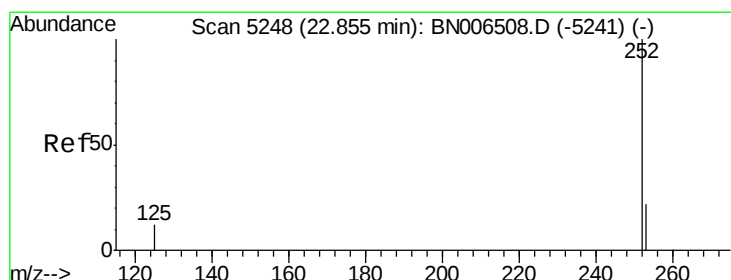
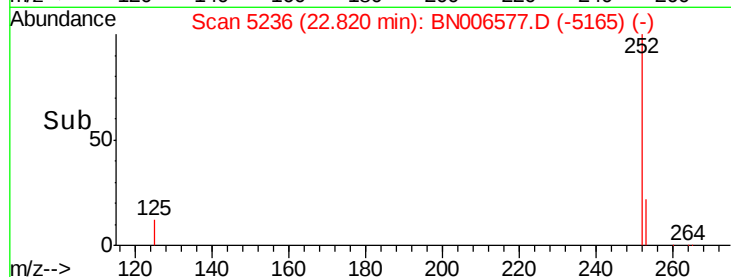
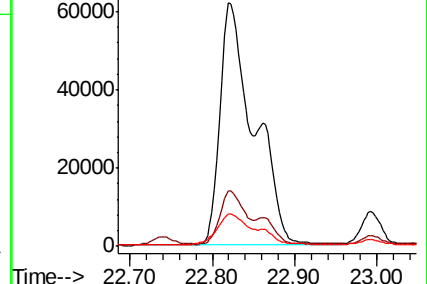
125 13.1 0.0 41.0



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



#22

Benzo(k)fluoranthene

Concen: 0.177 ng/u1

RT: 22.99 min Scan# 5295

Delta R.T. 0.14 min

Lab File: BN006577.D

Acq: 25 Jun 2019 19:08

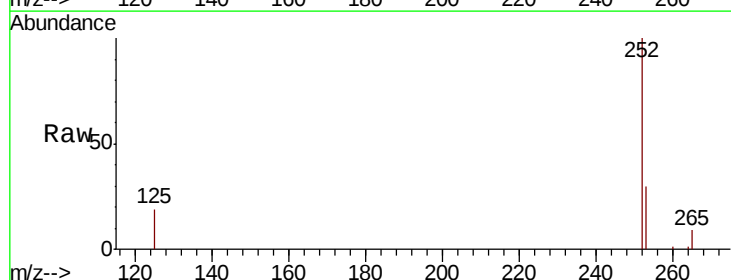
Tgt Ion:252 Resp: 9761

Ion Ratio Lower Upper

252 100

253 29.9 20.3 30.5

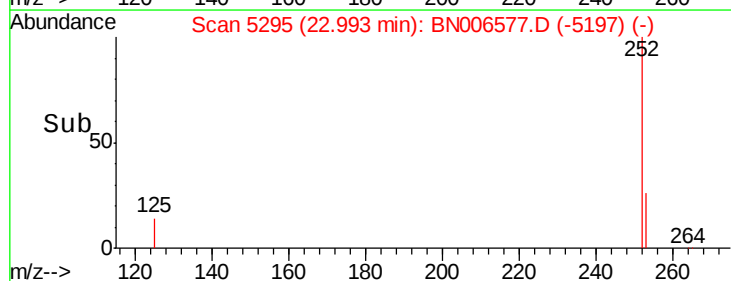
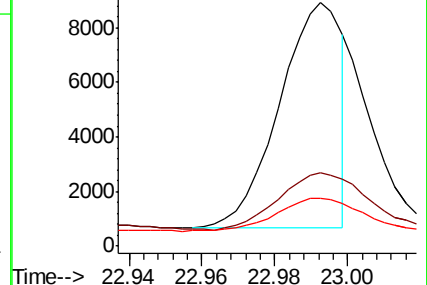
125 19.4 14.3 21.5

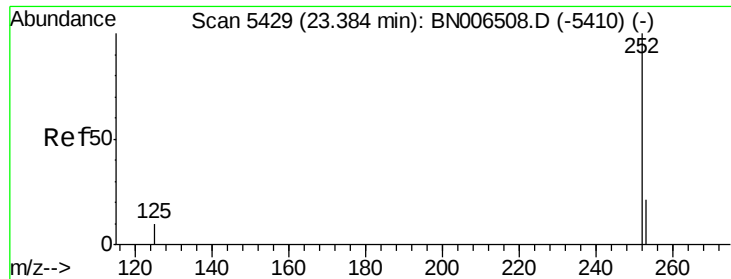


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.637 ng/ul

RT: 23.39 min Scan# 5431

Delta R.T. 0.01 min

Lab File: BN006577.D

Acq: 25 Jun 2019 19:08

Instrument :

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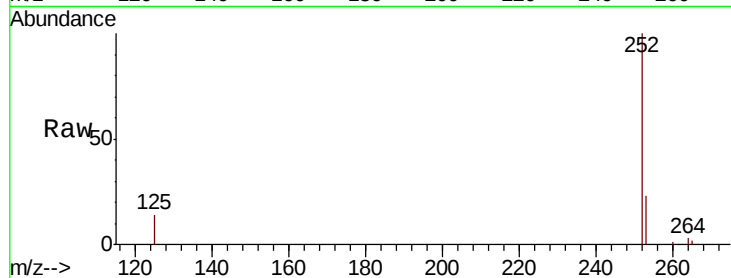
Tgt Ion:252 Resp: 86479

Ion Ratio Lower Upper

252 100

253 22.9 21.1 31.7

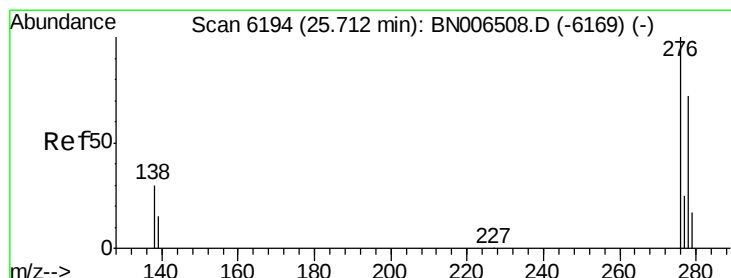
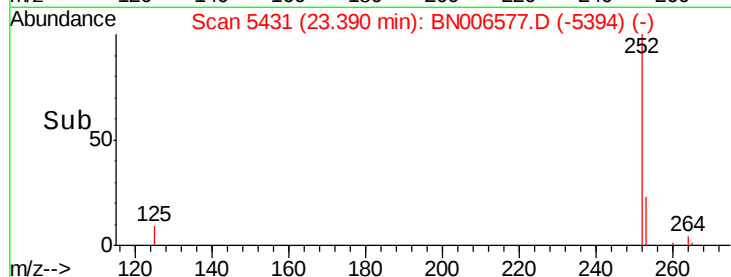
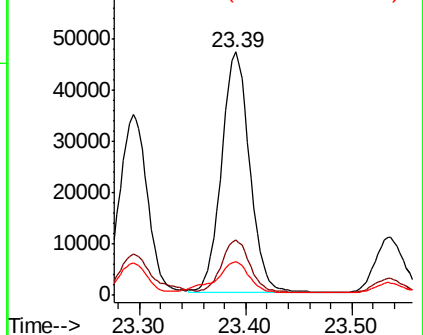
125 13.8 20.3 30.5#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 1.118 ng/ul

RT: 25.72 min Scan# 6197

Delta R.T. 0.01 min

Lab File: BN006577.D

Acq: 25 Jun 2019 19:08

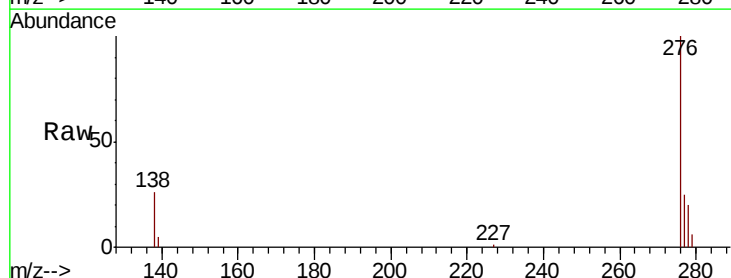
Tgt Ion:276 Resp: 63891

Ion Ratio Lower Upper

276 100

138 24.7 25.6 38.4#

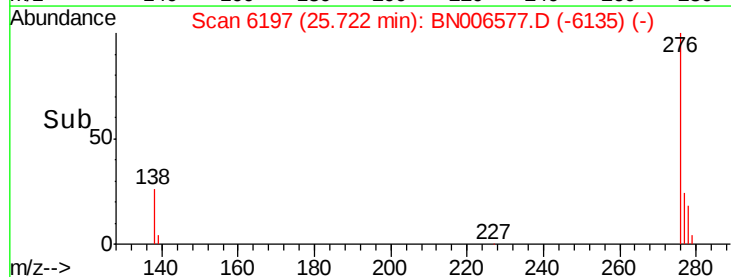
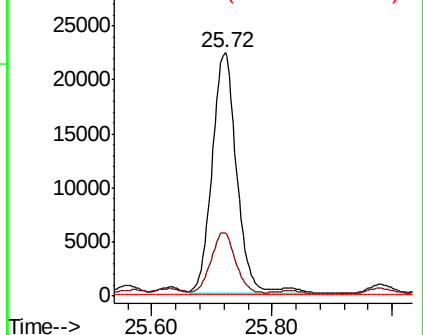
227 0.2 0.3 0.5#

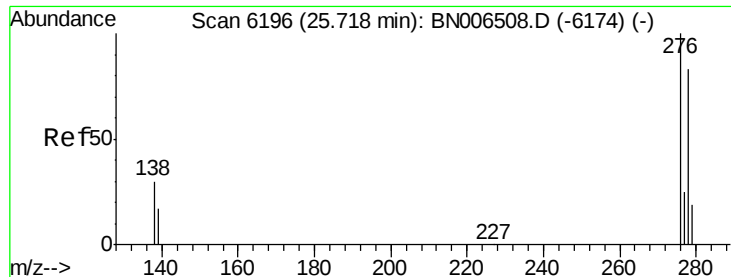


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.329 ng/ul

RT: 25.73 min Scan# 6198

Delta R.T. 0.01 min

Lab File: BN006577.D

Acq: 25 Jun 2019 19:08

Instrument :

BNA_N

ClientSampleId :

A4218DL

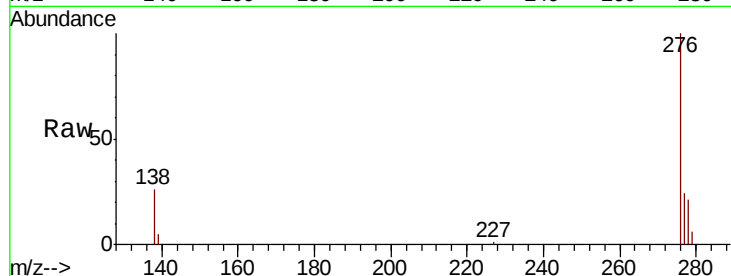
Tgt Ion:278 Resp: 15014

Ion Ratio Lower Upper

278 100

139 25.3 21.2 31.8

279 28.2 22.6 33.8

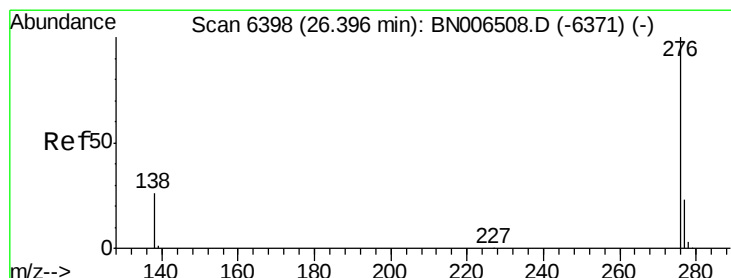
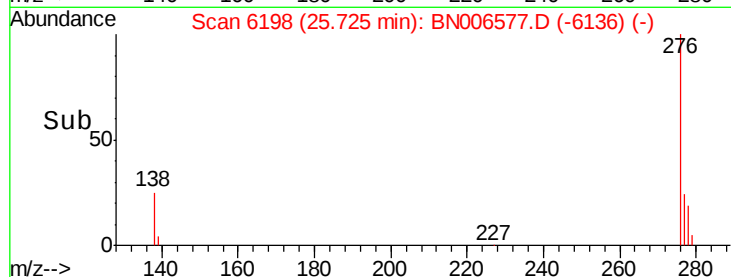
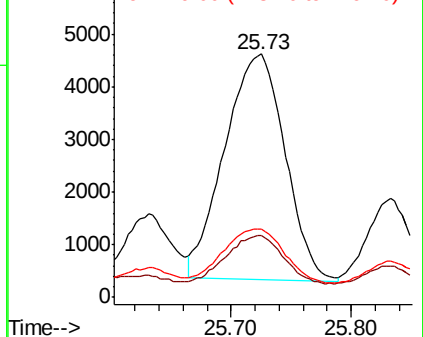


Abundance

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



#26

Benzo(g,h,i)perylene

Concen: 1.183 ng/ul

RT: 26.41 min Scan# 6401

Delta R.T. 0.01 min

Lab File: BN006577.D

Acq: 25 Jun 2019 19:08

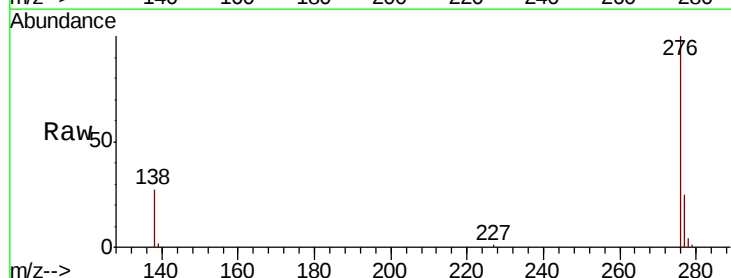
Tgt Ion:276 Resp: 56636

Ion Ratio Lower Upper

276 100

138 27.0 24.2 36.4

277 24.5 21.5 32.3



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

