

Data File : BM021792.D
Acq On : 04 Aug 2019 02:39
Operator : HP/JU
Sample : K3850-20
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENS6

Quant Time: Aug 04 04:27:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 04 04:24:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	1124	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	4493	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.29	164	2810	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.14	188	281190	0.40	ng/ul	0.07
16) Chrysene-d12	0.00	240	0	0.00	ng/ul	-21.26
20) Perylene-d12	23.46	264	12909	0.40	ng/ul	-0.02

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	1312	0.18	ng/ul	-0.03
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	

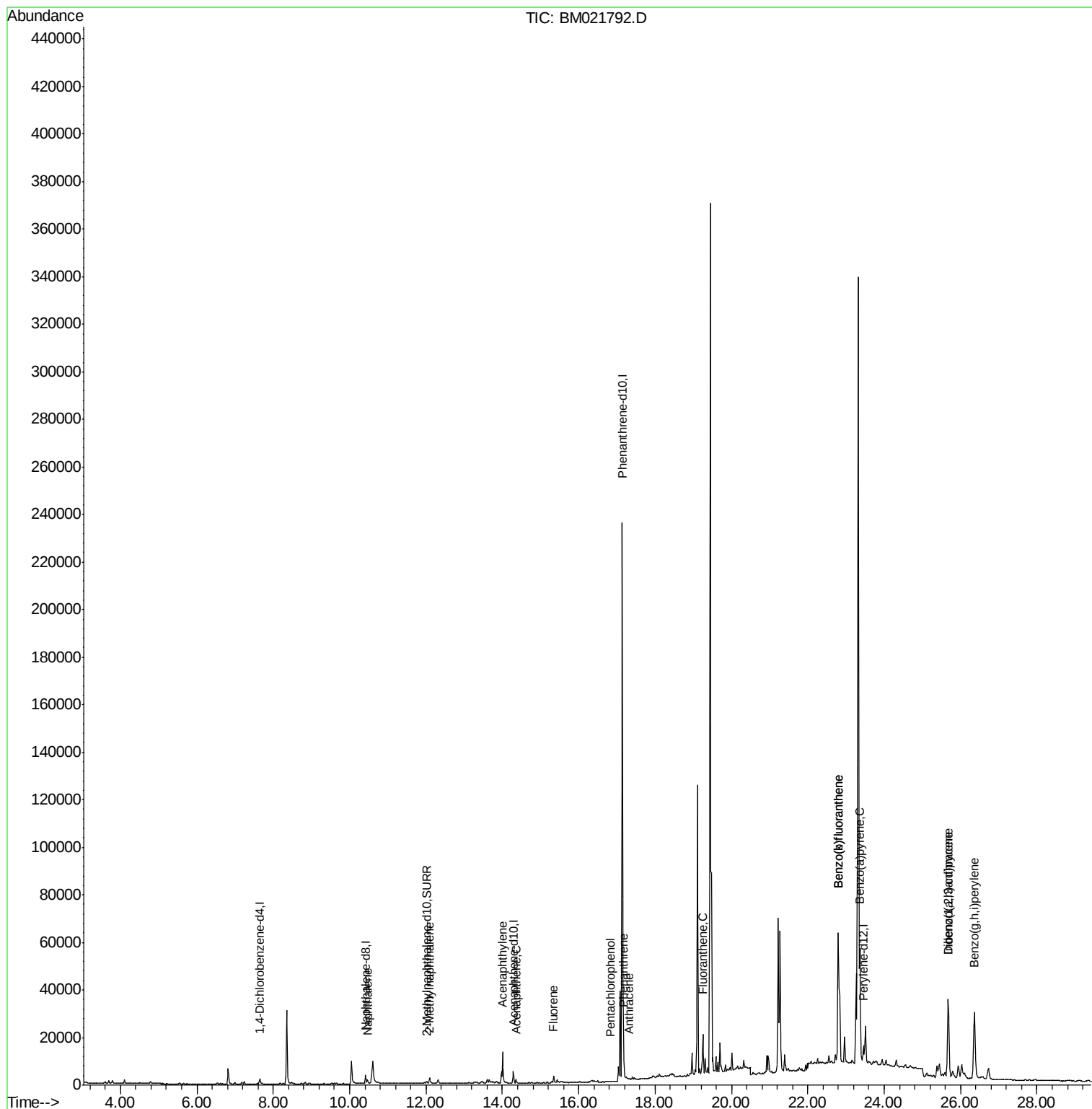
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.47	128	1832	0.144	ng/ul	97
5) 2-Methylnaphthalene	12.09	142	1724	0.204	ng/ul	96
7) Acenaphthylene	14.01	152	7458	0.569	ng/ul	96
8) Acenaphthene	14.35	153	1078	0.101	ng/ul	95
9) Fluorene	15.34	166	1908	0.160	ng/ul#	98
11) Pentachlorophenol	16.82	266	4	0.000	ng/ul#	30
12) Phenanthrene	17.18	178	8782	0.011	ng/ul	97
13) Anthracene	17.32	178	143	0.000	ng/ul#	1
15) Fluoranthene	19.26	202	3896	0.004	ng/ul	95
21) Benzo(b)fluoranthene	22.80	252	126817	2.913	ng/ul	89
22) Benzo(k)fluoranthene	22.80	252	126817	2.574	ng/ul#	89
23) Benzo(a)pyrene	23.36	252	60677	1.371	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	25.68	276	56343	1.066	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.69	278	12406	0.290	ng/ul#	80
26) Benzo(g,h,i)perylene	26.36	276	62681	1.317	ng/ul#	94

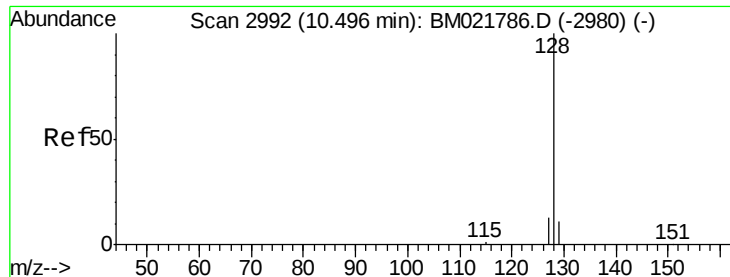
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.144 ng/ul

RT: 10.47 min Scan# 2985

Delta R.T. -0.03 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

Instrument :

BNA_M

ClientSampleId :

BENS6

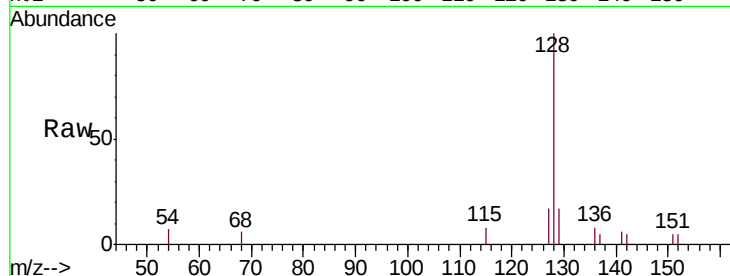
Tgt Ion:128 Resp: 1832

Ion Ratio Lower Upper

128 100

129 17.1 12.3 18.5

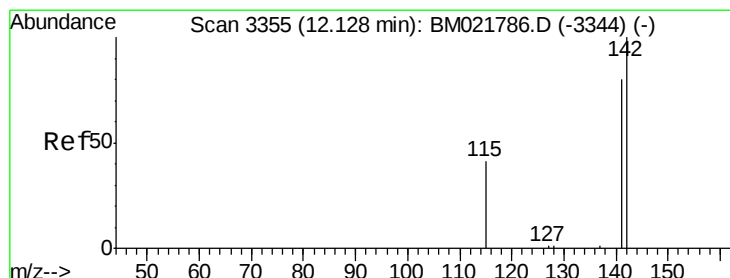
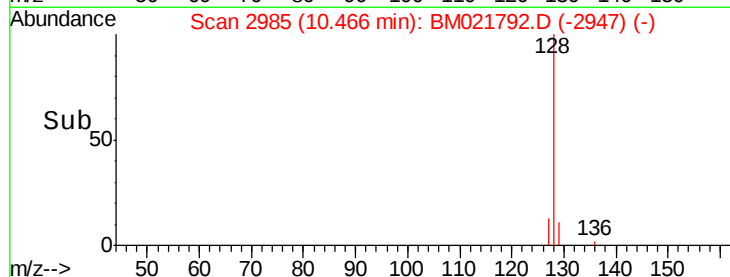
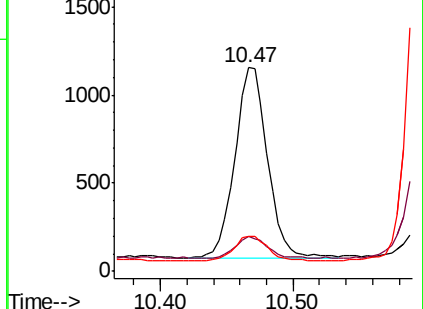
127 17.1 13.0 19.6



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



#5

2-Methylnaphthalene

Concen: 0.204 ng/ul

RT: 12.09 min Scan# 3347

Delta R.T. -0.03 min

Lab File: BM021792.D

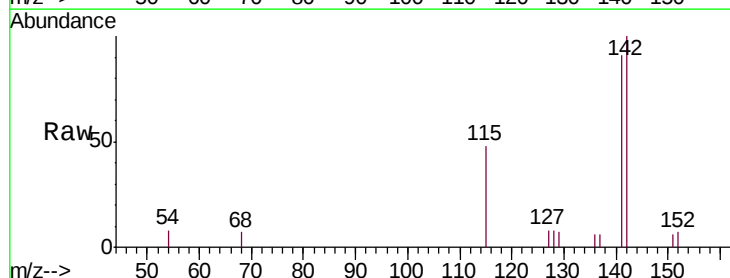
Acq: 04 Aug 2019 02:39

Tgt Ion:142 Resp: 1724

Ion Ratio Lower Upper

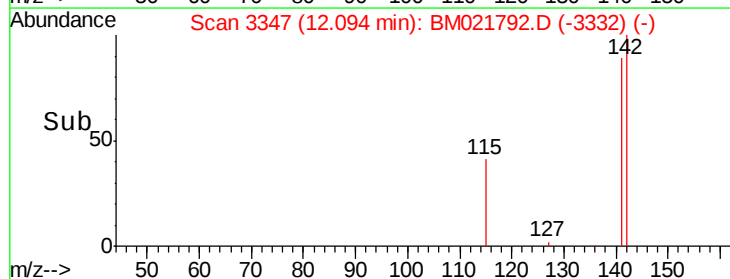
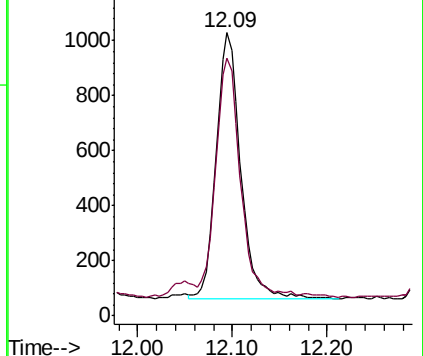
142 100

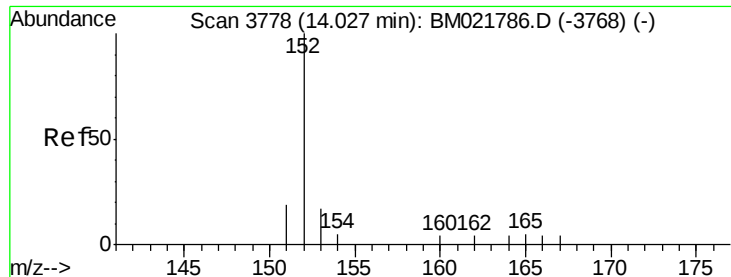
141 89.1 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.569 ng/ul

RT: 14.01 min Scan# 3773

Delta R.T. -0.02 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

Instrument :

BNA_M

ClientSampleId :

BENS6

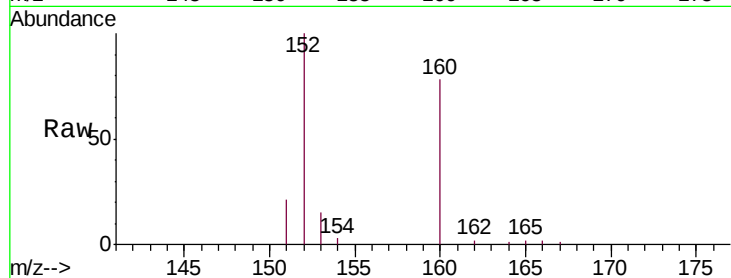
Tgt Ion:152 Resp: 7458

Ion Ratio Lower Upper

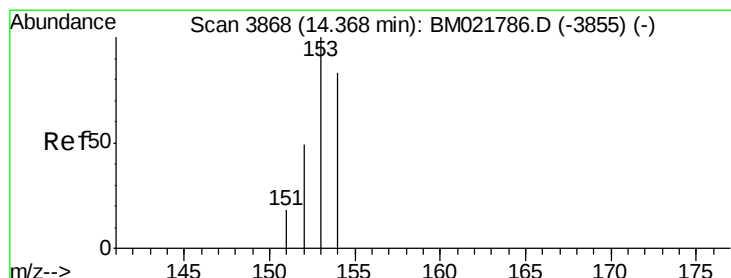
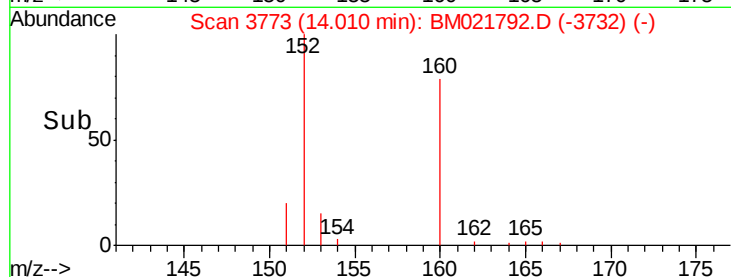
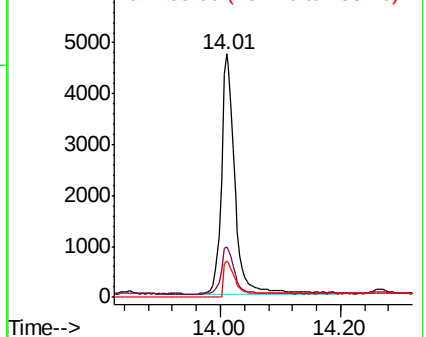
152 100

151 20.8 18.3 27.5

153 14.9 12.8 19.2



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



#8

Acenaphthene

Concen: 0.101 ng/ul

RT: 14.35 min Scan# 3864

Delta R.T. -0.01 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

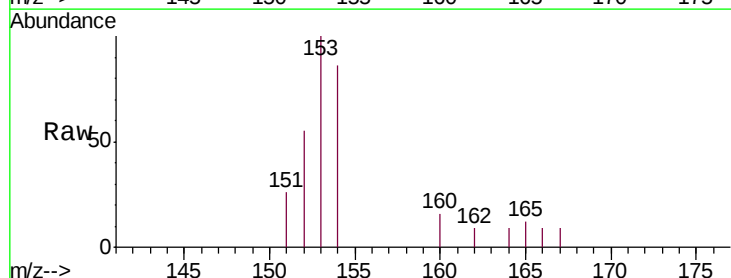
Tgt Ion:153 Resp: 1078

Ion Ratio Lower Upper

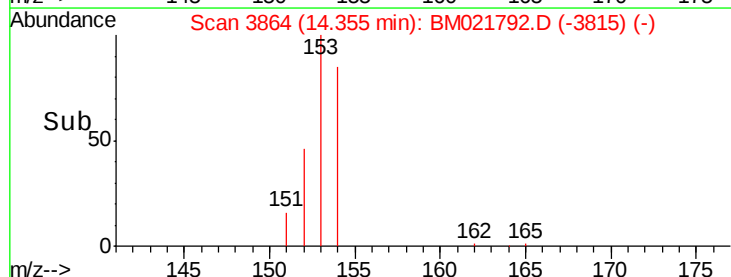
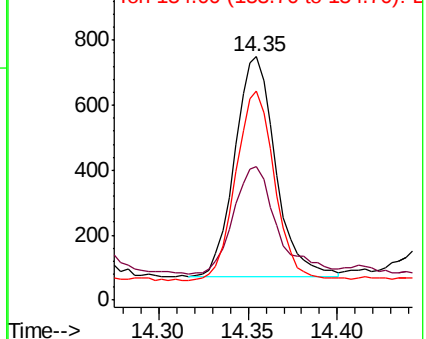
153 100

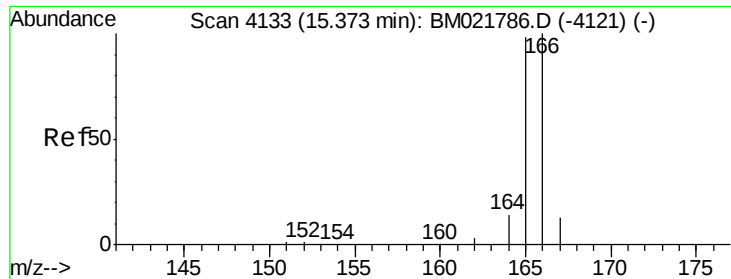
152 55.1 41.3 61.9

154 85.8 72.3 108.5



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: 0.160 ng/ul

RT: 15.34 min Scan# 4125

Delta R.T. -0.03 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

Instrument :

BNA_M

ClientSampleId :

BENS6

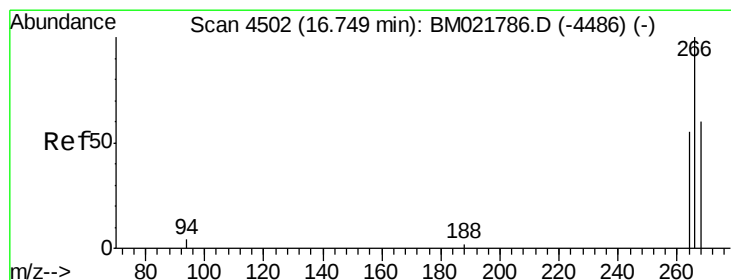
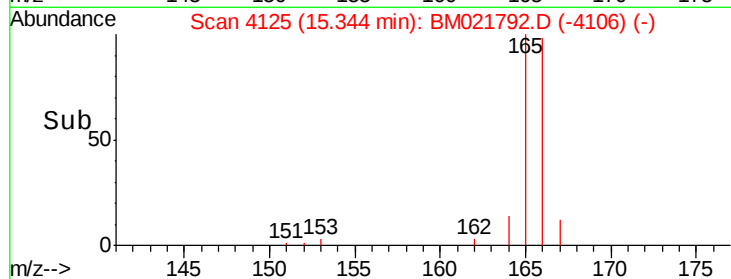
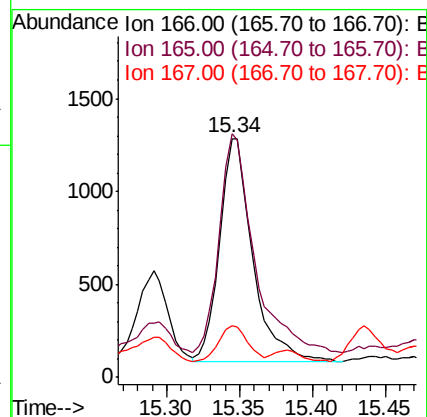
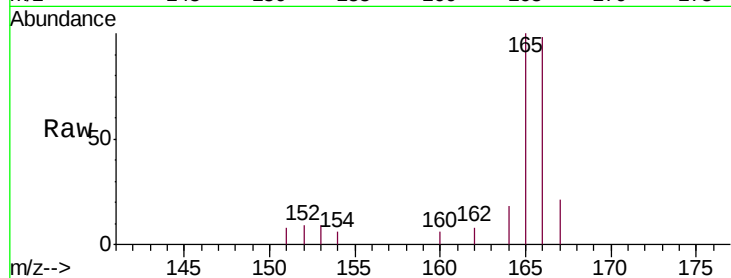
Tgt Ion:166 Resp: 1908

Ion Ratio Lower Upper

166 100

165 101.9 81.4 122.0

167 21.6 13.7 20.5#



#11

Pentachlorophenol

Concen: 0.000 ng/ul

RT: 16.82 min Scan# 4523

Delta R.T. 0.07 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

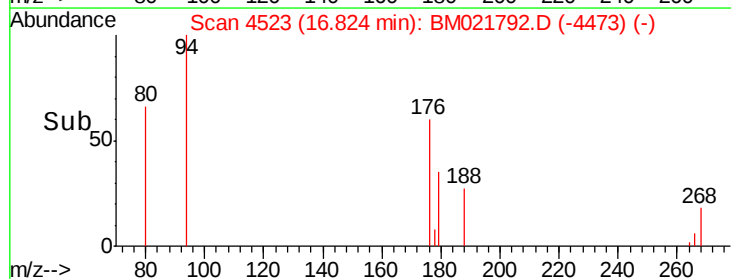
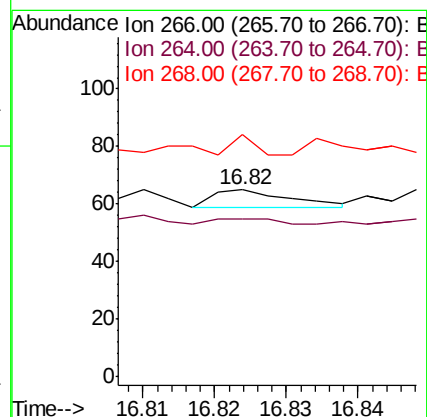
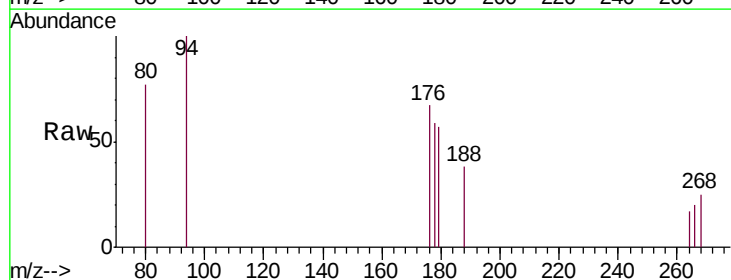
Tgt Ion:266 Resp: 4

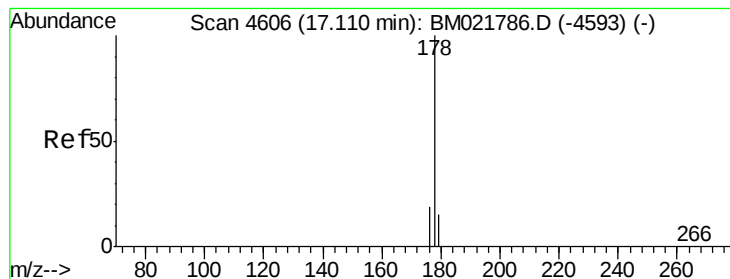
Ion Ratio Lower Upper

266 100

264 25.0 54.2 81.2#

268 0.0 57.6 86.4#





#12

Phenanthrene

Concen: 0.011 ng/ul

RT: 17.18 min Scan# 4625

Delta R.T. 0.07 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

Instrument :

BNA_M

ClientSampleId :

BENS6

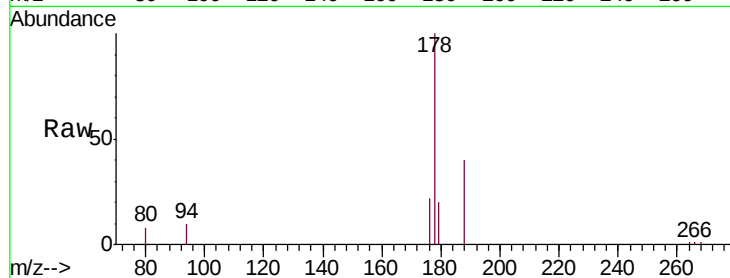
Tgt Ion:178 Resp: 8782

Ion Ratio Lower Upper

178 100

179 19.5 14.2 21.2

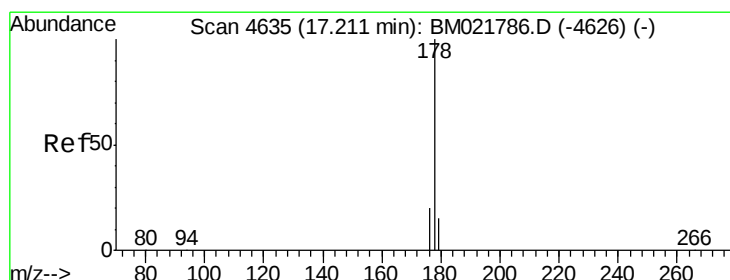
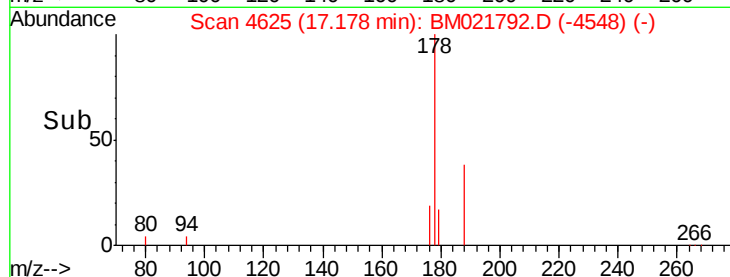
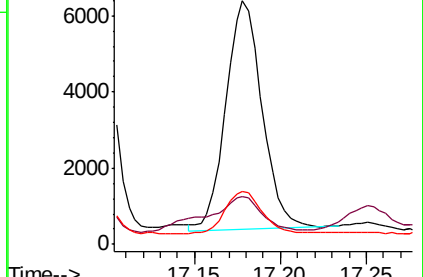
176 22.0 16.8 25.2



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



#13

Anthracene

Concen: 0.000 ng/ul

RT: 17.32 min Scan# 4665

Delta R.T. 0.11 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

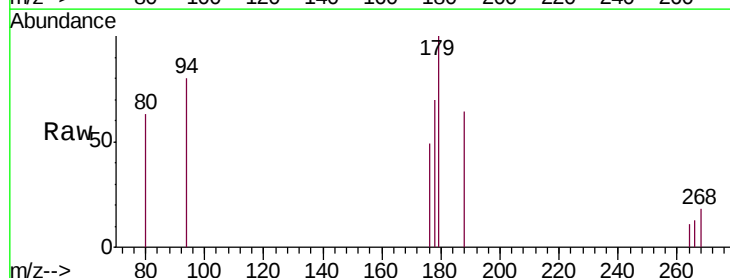
Tgt Ion:178 Resp: 143

Ion Ratio Lower Upper

178 100

179 142.1 15.5 23.3#

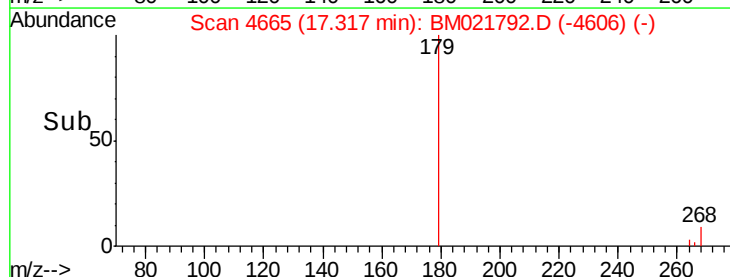
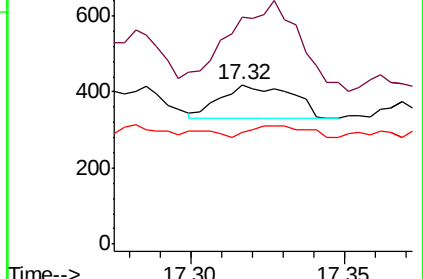
176 70.2 16.6 25.0#

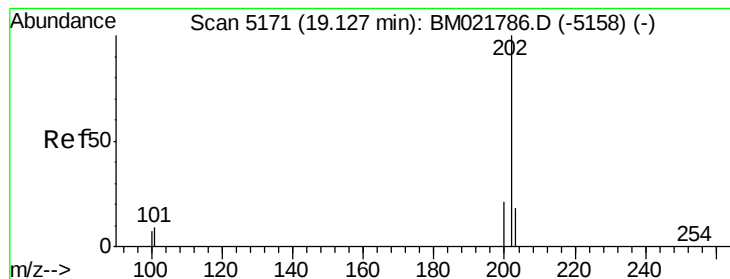


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.004 ng/ul

RT: 19.26 min Scan# 5206

Delta R.T. 0.14 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

Instrument :

BNA_M

ClientSampleId :

BENS6

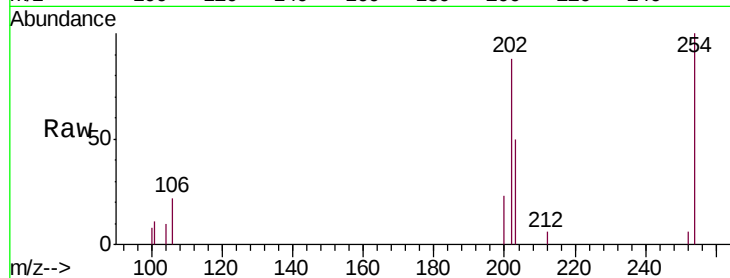
Tgt Ion:202 Resp: 3896

Ion Ratio Lower Upper

202 100

101 12.6 0.0 30.2

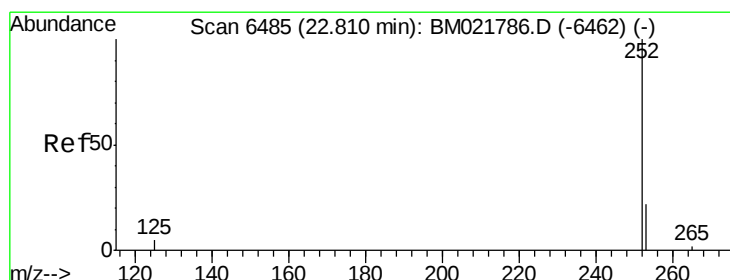
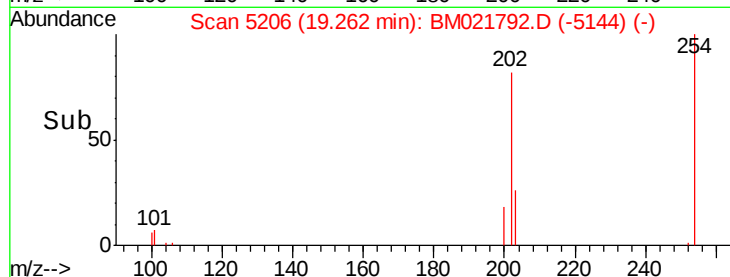
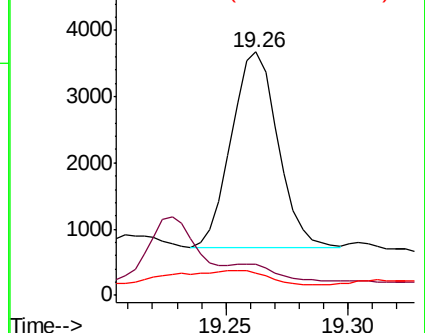
100 9.2 0.0 28.1



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



#21

Benzo(b)fluoranthene

Concen: 2.913 ng/ul

RT: 22.80 min Scan# 6478

Delta R.T. -0.01 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

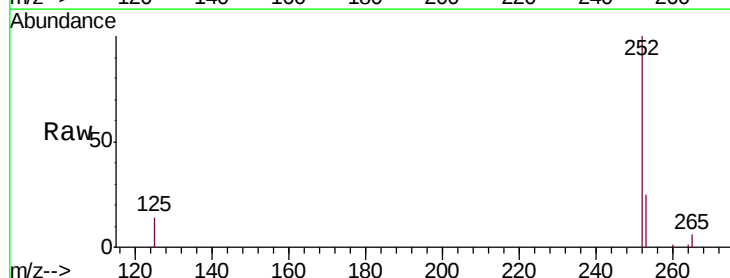
Tgt Ion:252 Resp: 126817

Ion Ratio Lower Upper

252 100

253 24.9 0.0 67.4

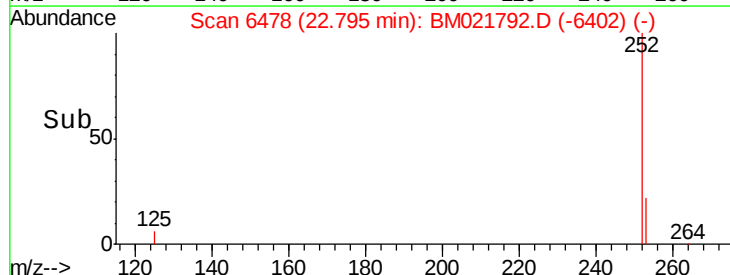
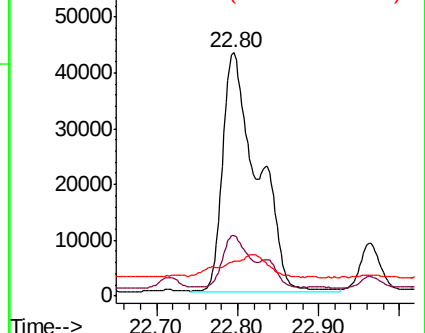
125 14.2 0.0 31.0

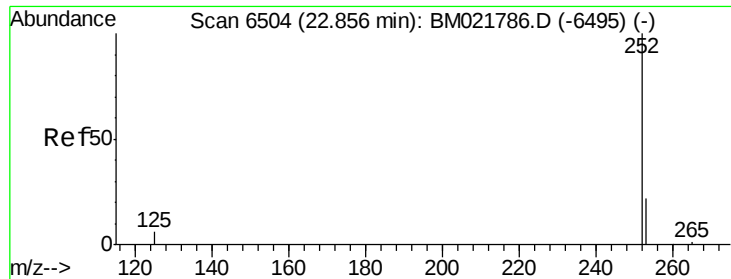


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.574 ng/ul

RT: 22.80 min Scan# 6478

Delta R.T. -0.06 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

Instrument :

BNA_M

ClientSampleId :

BENS6

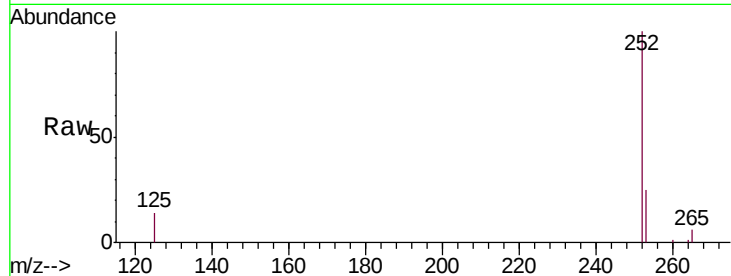
Tgt Ion:252 Resp: 126817

Ion Ratio Lower Upper

252 100

253 24.9 27.0 40.4#

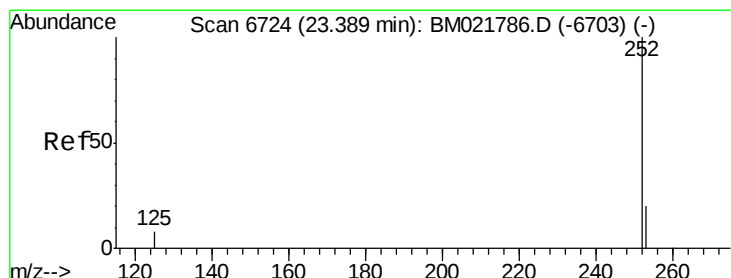
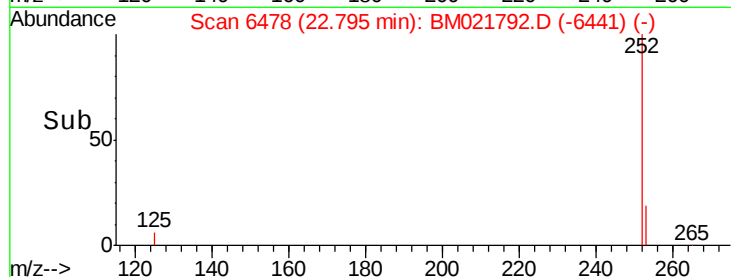
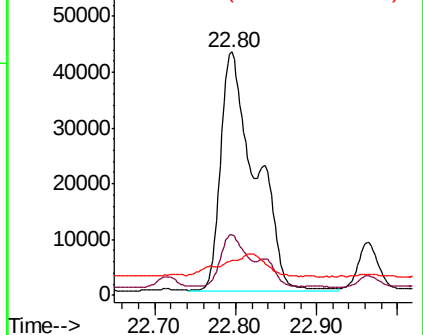
125 14.2 12.2 18.2



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



#23

Benzo(a)pyrene

Concen: 1.371 ng/ul

RT: 23.36 min Scan# 6712

Delta R.T. -0.03 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

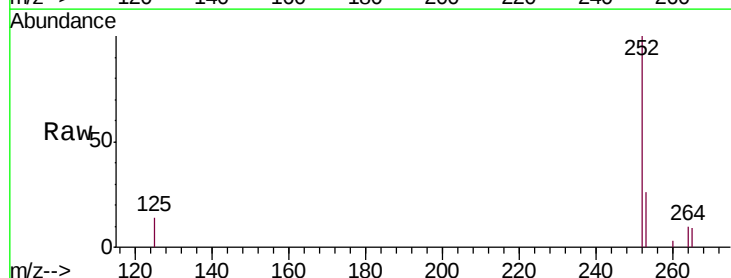
Tgt Ion:252 Resp: 60677

Ion Ratio Lower Upper

252 100

253 25.5 31.7 47.5#

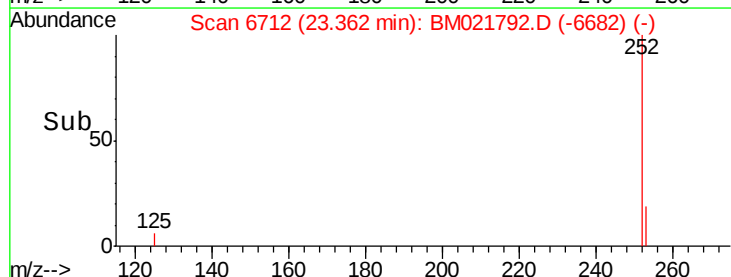
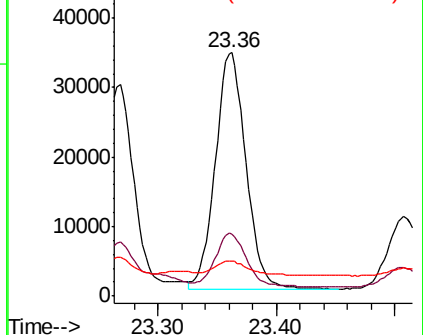
125 14.4 14.6 21.8#

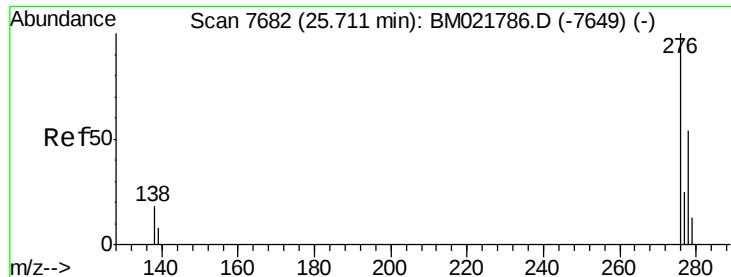


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Indeno(1,2,3-cd)pyrene

Concen: 1.066 ng/u1

RT: 25.68 min Scan# 7669

Delta R.T. -0.03 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

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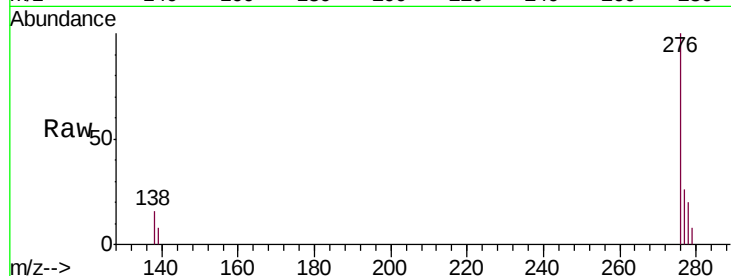
Tgt Ion:276 Resp: 56343

Ion Ratio Lower Upper

276 100

138 12.9 15.1 22.7#

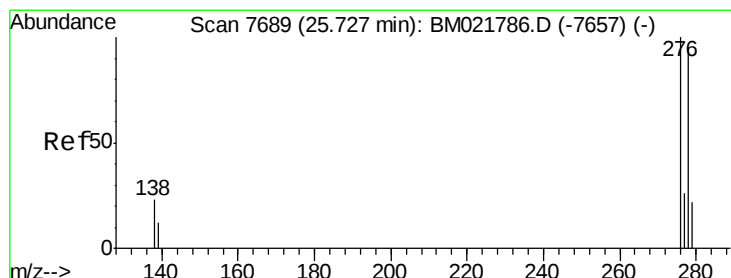
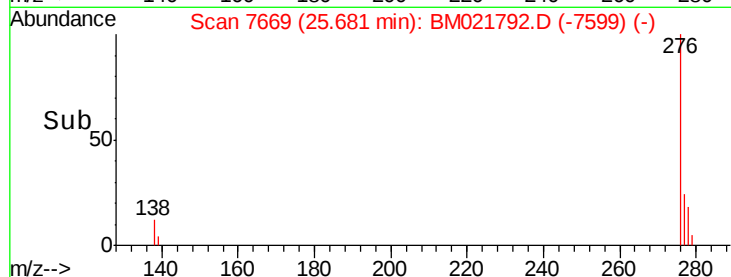
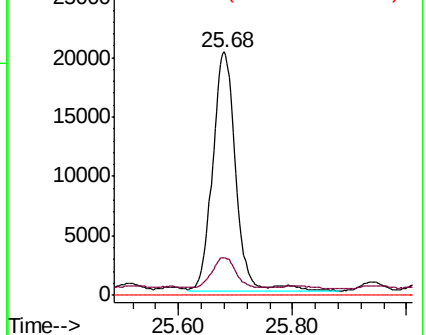
227 0.0 0.0 0.0



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: 0.290 ng/u1

RT: 25.69 min Scan# 7671

Delta R.T. -0.04 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

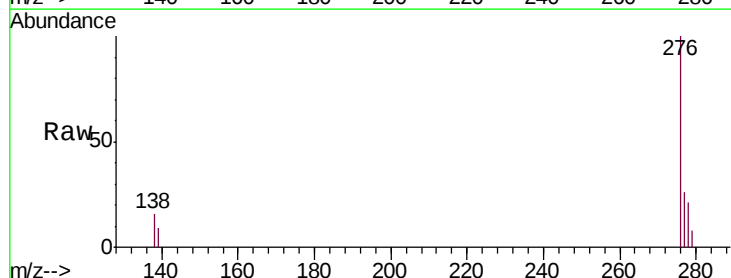
Tgt Ion:278 Resp: 12406

Ion Ratio Lower Upper

278 100

139 41.1 14.2 21.2#

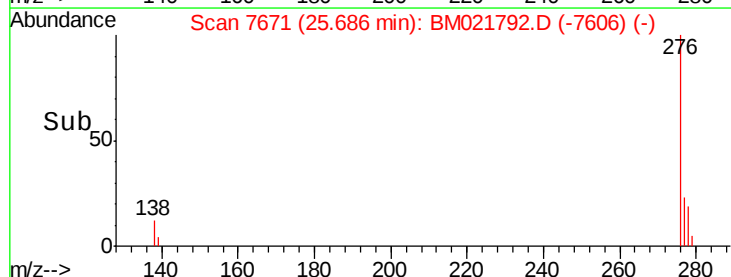
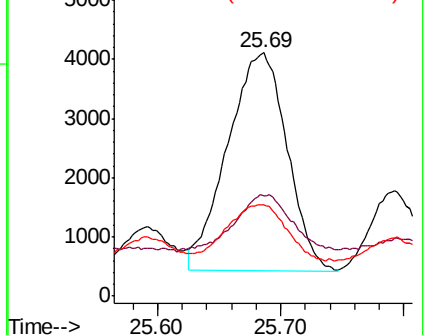
279 37.3 28.3 42.5

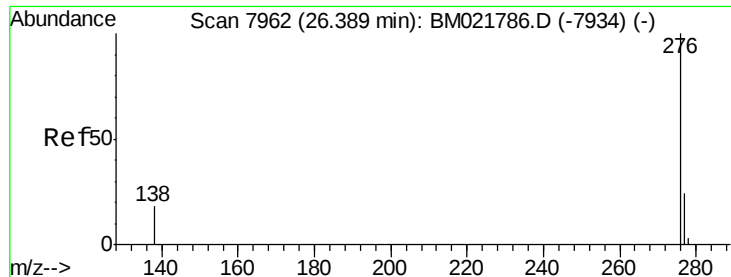


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.317 ng/ul

RT: 26.36 min Scan# 7951

Delta R.T. -0.02 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

Instrument :

BNA_M

ClientSampleId :

BENS6

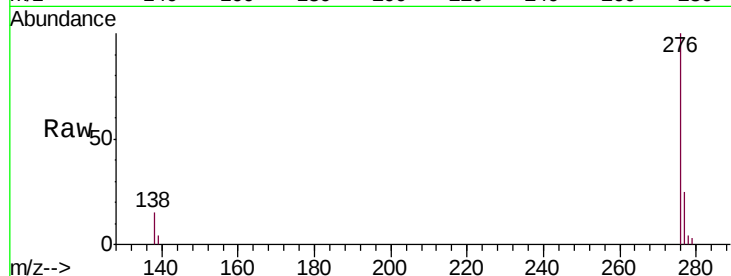
Tgt Ion: 276 Resp: 62681

Ion Ratio Lower Upper

276 100

138 15.0 15.5 23.3#

277 25.0 21.4 32.2



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

