

Data File : BM021790.D
Acq On : 04 Aug 2019 01:25
Operator : HP/JU
Sample : K3850-17
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENS3

Quant Time: Aug 04 04:27:30 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	1238	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	4824	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.29	164	2858	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.14	188	267843	0.40	ng/ul	0.08
16) Chrysene-d12	0.00	240	0	0.00	ng/ul	-21.26
20) Perylene-d12	23.45	264	13593	0.40	ng/ul	-0.03

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	1235	0.16	ng/ul	-0.03
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	

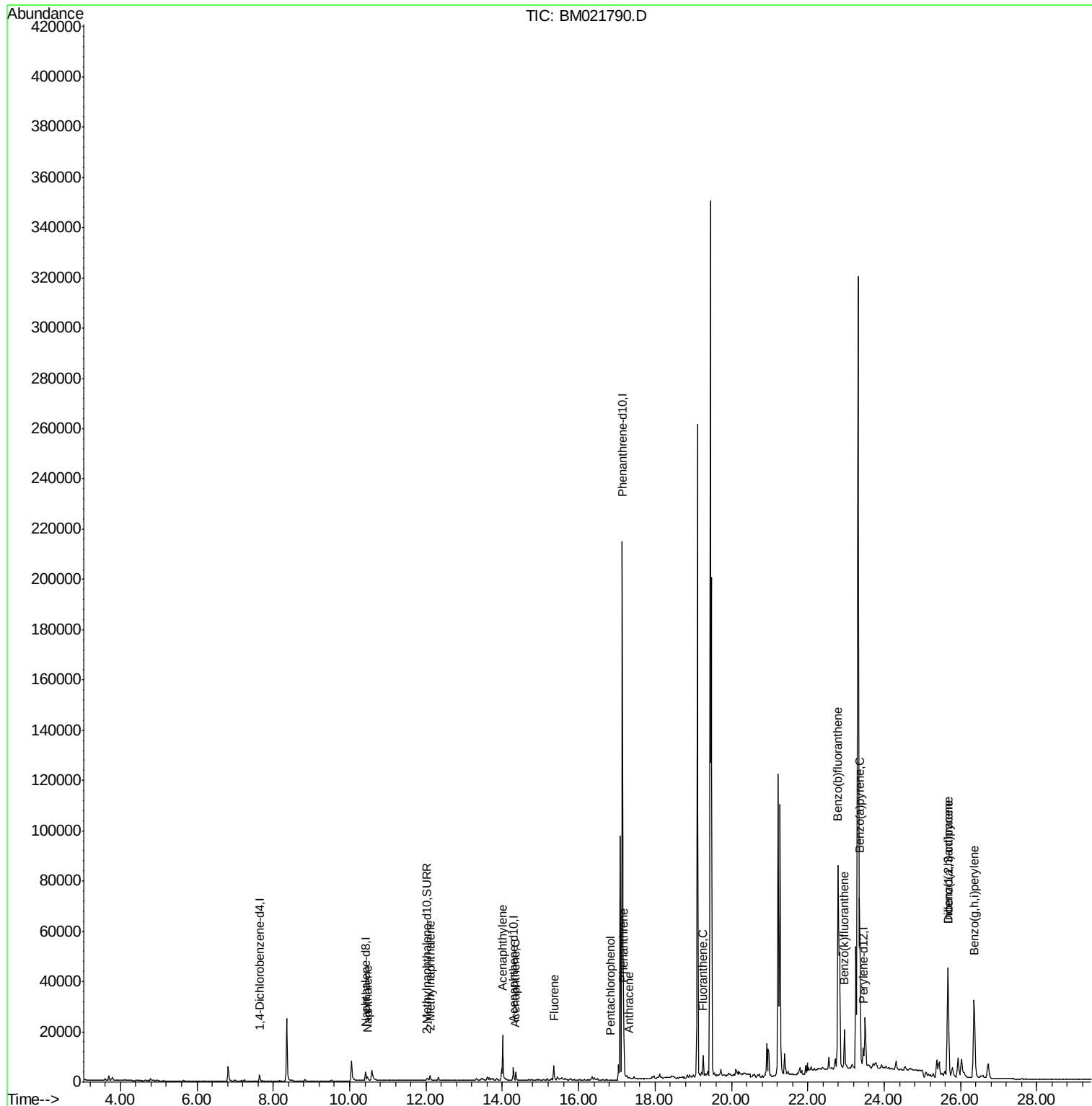
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.47	128	1779	0.131	ng/ul	98
5) 2-Methylnaphthalene	12.11	142	1632	0.180	ng/ul	95
7) Acenaphthylene	14.01	152	10708	0.803	ng/ul	96
8) Acenaphthene	14.35	153	1911	0.175	ng/ul	95
9) Fluorene	15.35	166	3757	0.310	ng/ul	99
11) Pentachlorophenol	16.84	266	4	0.000	ng/ul#	1
12) Phenanthrene	17.18	178	20616	0.026	ng/ul	97
13) Anthracene	17.33	178	521	0.001	ng/ul#	1
15) Fluoranthene	19.26	202	6602	0.006	ng/ul	98
21) Benzo(b)fluoranthene	22.79	252	193717	4.226	ng/ul	82
22) Benzo(k)fluoranthene	22.96	252	15739	0.303	ng/ul	96
23) Benzo(a)pyrene	23.36	252	90892	1.950	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	25.67	276	72490	1.302	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.68	278	18784	0.418	ng/ul	95
26) Benzo(g,h,i)perylene	26.36	276	65895	1.315	ng/ul#	93

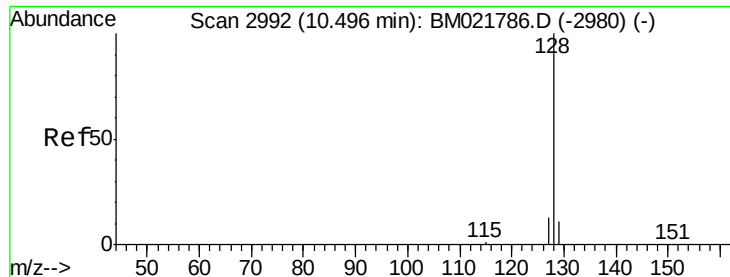
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.131 ng/ul

RT: 10.47 min Scan# 2986

Delta R.T. -0.03 min

Lab File: BM021790.D

Acq: 04 Aug 2019 01:25

Instrument :

BNA_M

ClientSampleId :

BENS3

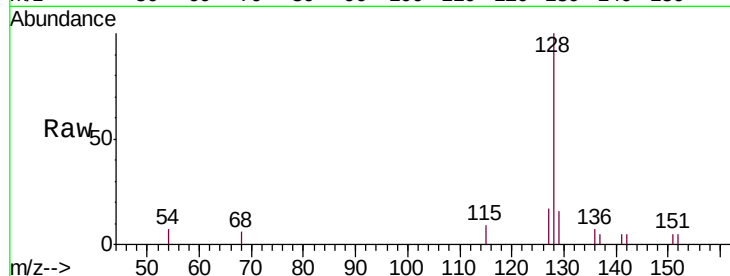
Tgt Ion:128 Resp: 1779

Ion Ratio Lower Upper

128 100

129 16.1 12.3 18.5

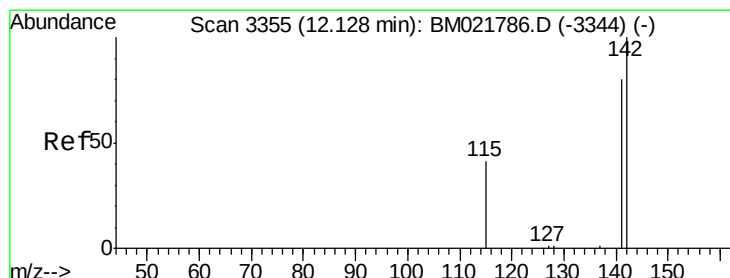
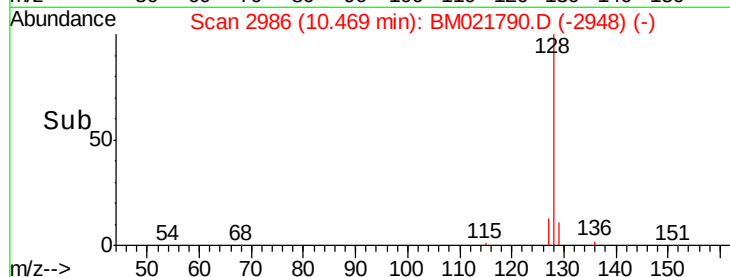
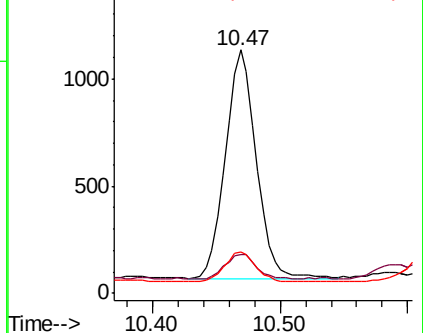
127 17.2 13.0 19.6



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: 0.180 ng/ul

RT: 12.11 min Scan# 3350

Delta R.T. -0.02 min

Lab File: BM021790.D

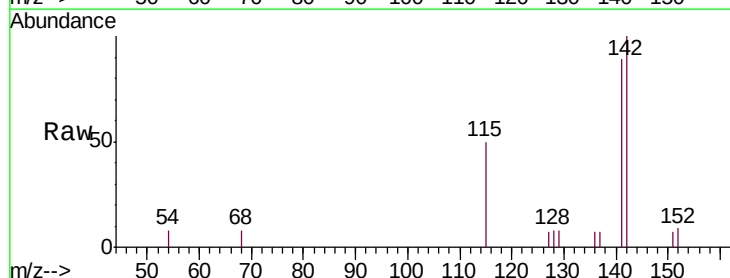
Acq: 04 Aug 2019 01:25

Tgt Ion:142 Resp: 1632

Ion Ratio Lower Upper

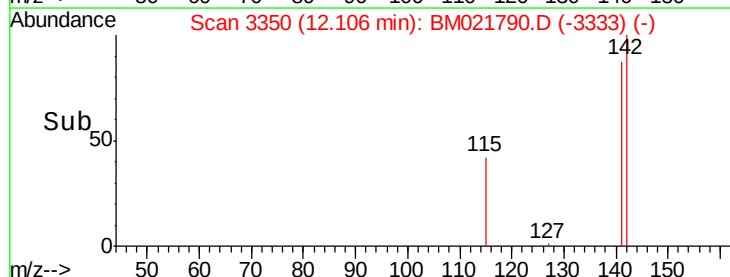
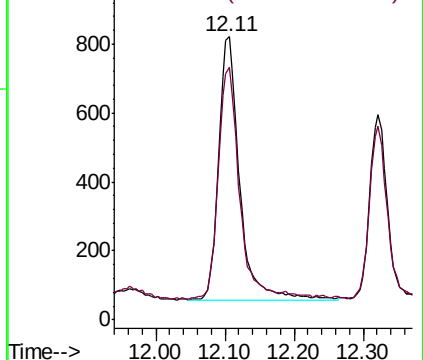
142 100

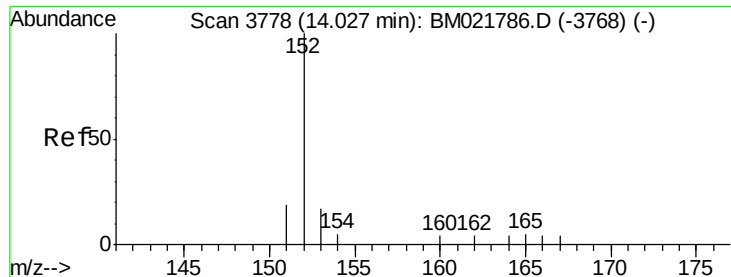
141 88.5 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.803 ng/ul

RT: 14.01 min Scan# 3774

Delta R.T. -0.02 min

Lab File: BM021790.D

Acq: 04 Aug 2019 01:25

Instrument :

BNA_M

ClientSampleId :

BENS3

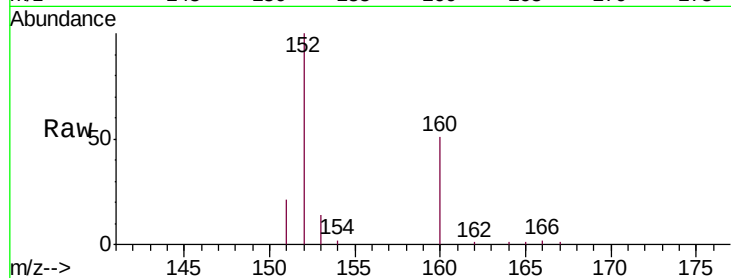
Tgt Ion:152 Resp: 10708

Ion Ratio Lower Upper

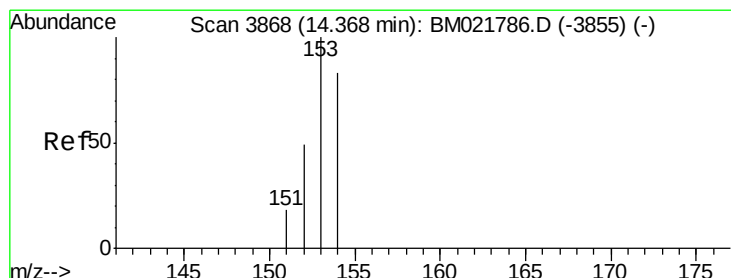
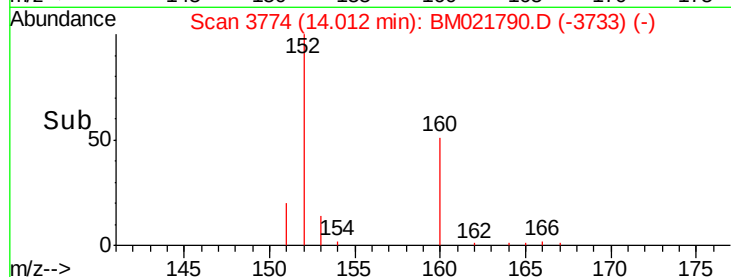
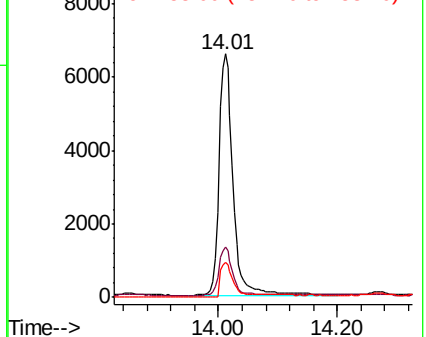
152 100

151 20.7 18.3 27.5

153 14.2 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: 0.175 ng/ul

RT: 14.35 min Scan# 3864

Delta R.T. -0.02 min

Lab File: BM021790.D

Acq: 04 Aug 2019 01:25

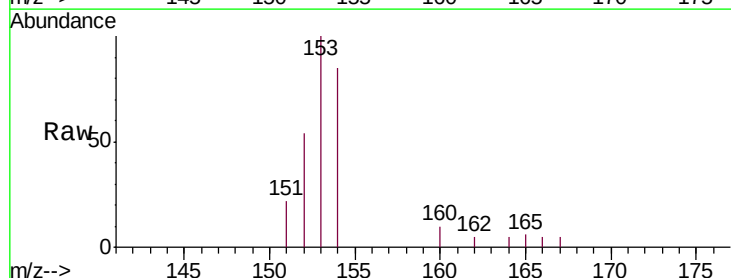
Tgt Ion:153 Resp: 1911

Ion Ratio Lower Upper

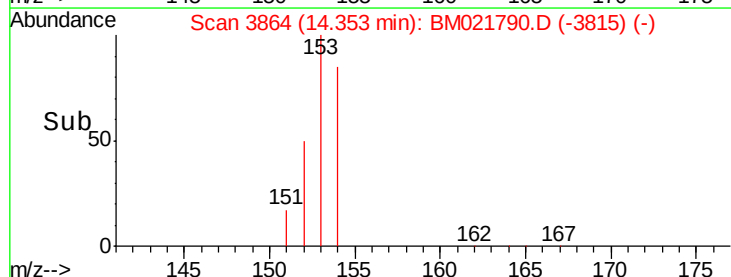
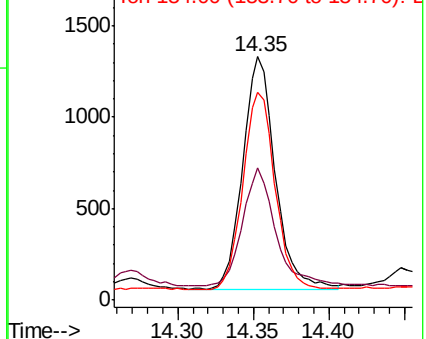
153 100

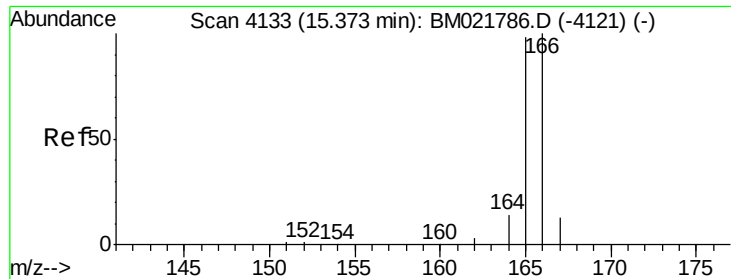
152 54.4 41.3 61.9

154 85.2 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: 0.310 ng/ul

RT: 15.35 min Scan# 4126

Delta R.T. -0.03 min

Lab File: BM021790.D

Acq: 04 Aug 2019 01:25

Instrument :

BNA_M

ClientSampleId :

BENS3

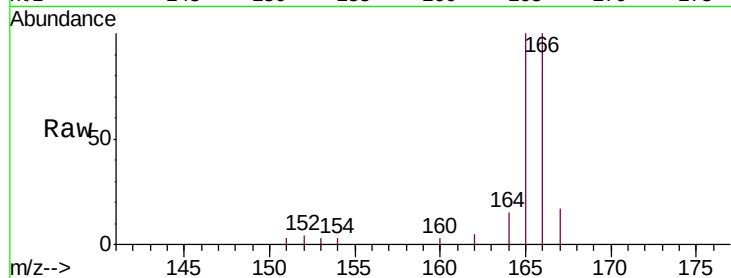
Tgt Ion:166 Resp: 3757

Ion Ratio Lower Upper

166 100

165 100.2 81.4 122.0

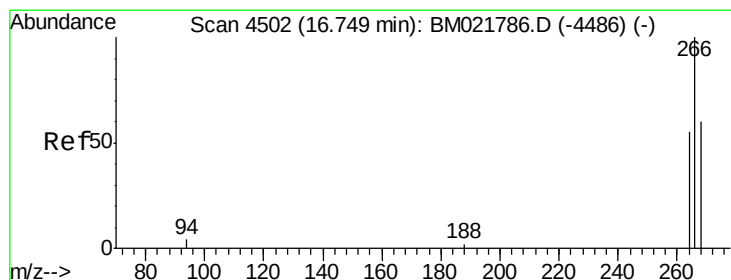
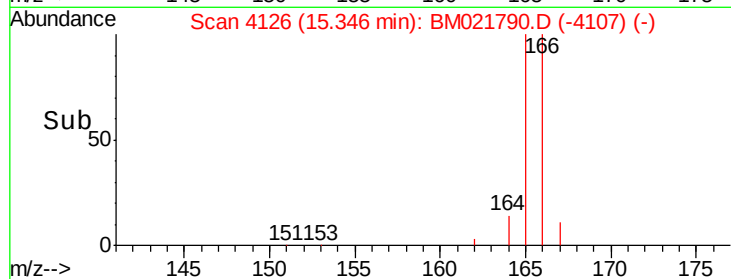
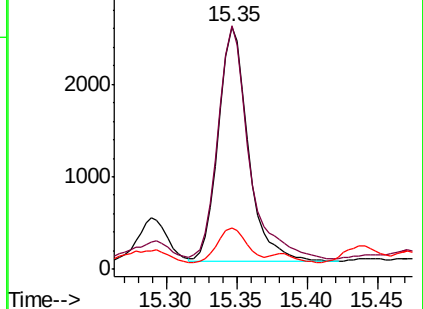
167 17.0 13.7 20.5



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



#11

Pentachlorophenol

Concen: 0.000 ng/ul

RT: 16.84 min Scan# 4527

Delta R.T. 0.09 min

Lab File: BM021790.D

Acq: 04 Aug 2019 01:25

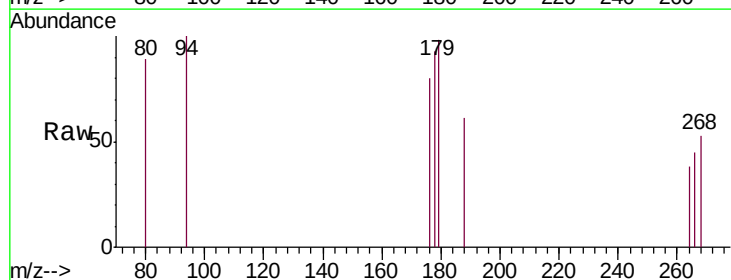
Tgt Ion:266 Resp: 4

Ion Ratio Lower Upper

266 100

264 0.0 54.2 81.2#

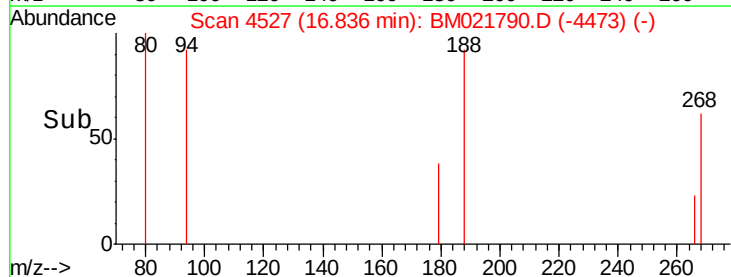
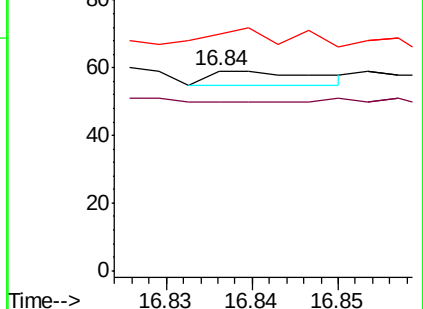
268 250.0 57.6 86.4#

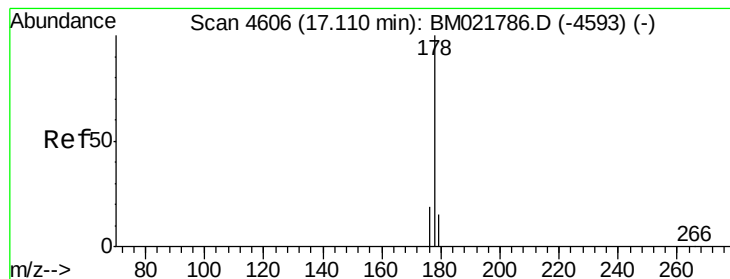


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.026 ng/ul

RT: 17.18 min Scan# 4626

Delta R.T. 0.07 min

Lab File: BM021790.D

Acq: 04 Aug 2019 01:25

Instrument :

BNA_M

ClientSampleId :

BENS3

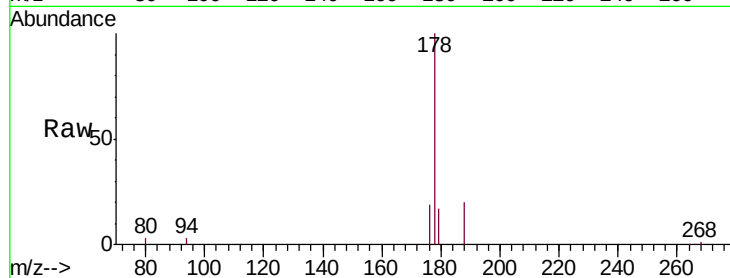
Tgt Ion:178 Resp: 20616

Ion Ratio Lower Upper

178 100

179 16.8 14.2 21.2

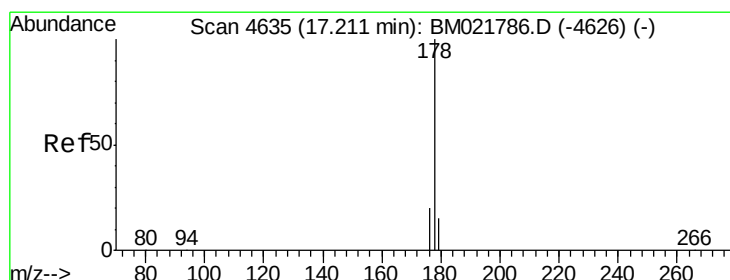
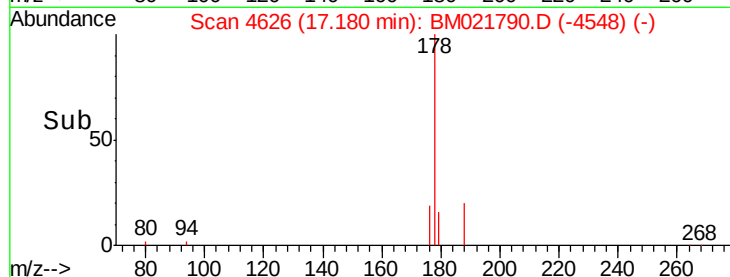
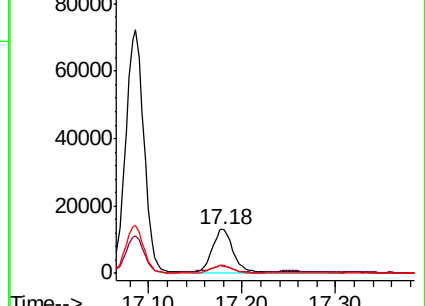
176 19.3 16.8 25.2



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: 0.001 ng/ul

RT: 17.33 min Scan# 4668

Delta R.T. 0.11 min

Lab File: BM021790.D

Acq: 04 Aug 2019 01:25

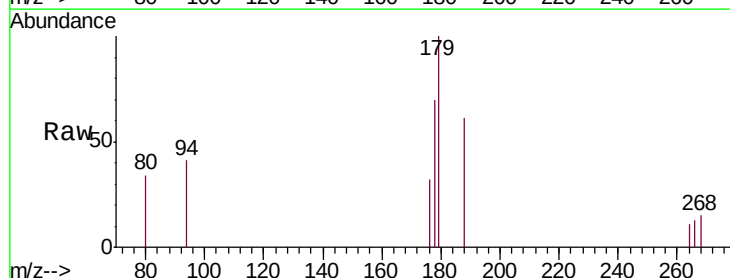
Tgt Ion:178 Resp: 521

Ion Ratio Lower Upper

178 100

179 142.2 15.5 23.3#

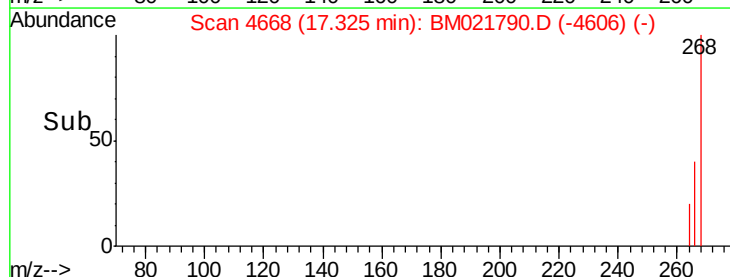
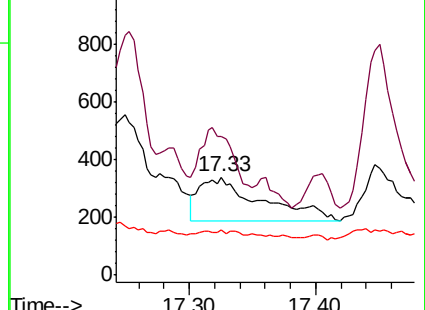
176 45.7 16.6 25.0#

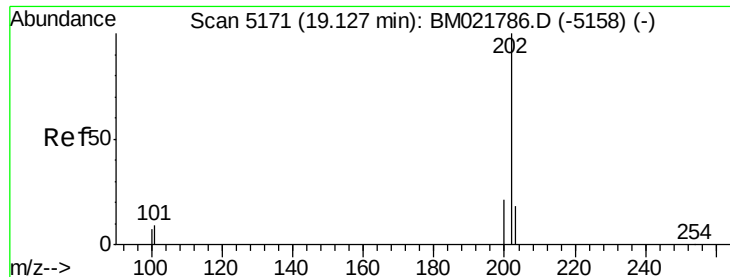


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.006 ng/ul

RT: 19.26 min Scan# 5206

Delta R.T. 0.13 min

Lab File: BM021790.D

Acq: 04 Aug 2019 01:25

Instrument :

BNA_M

ClientSampleId :

BENS3

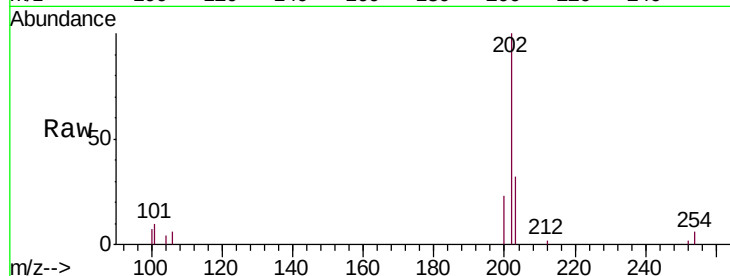
Tgt Ion:202 Resp: 6602

Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.2

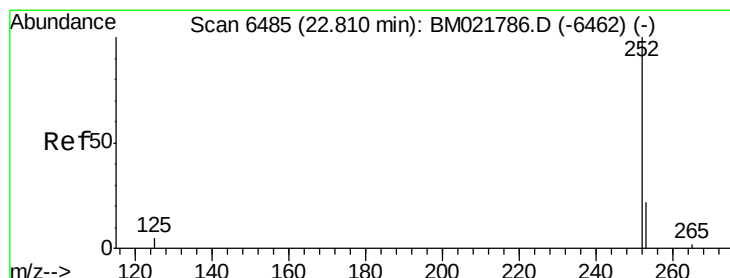
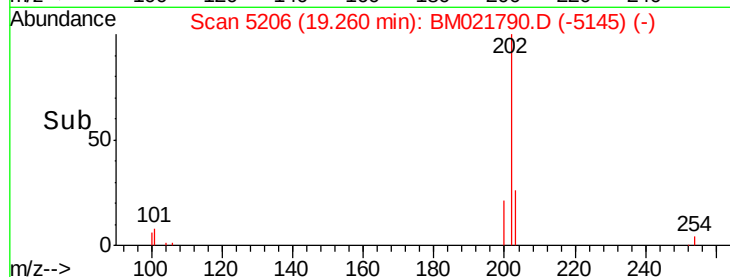
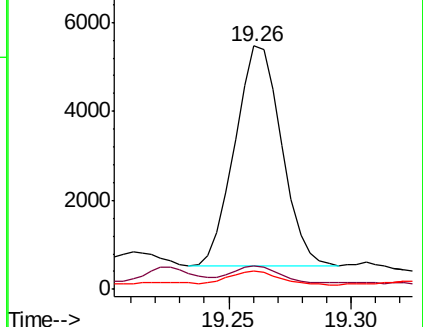
100 7.3 0.0 28.1



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: 4.226 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.02 min

Lab File: BM021790.D

Acq: 04 Aug 2019 01:25

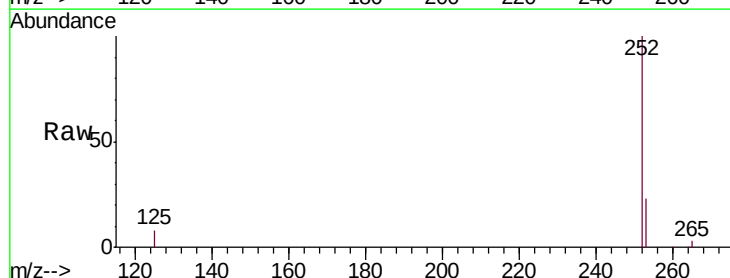
Tgt Ion:252 Resp: 193717

Ion Ratio Lower Upper

252 100

253 23.4 0.0 67.4

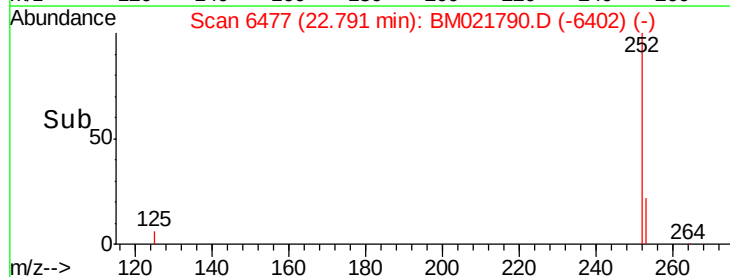
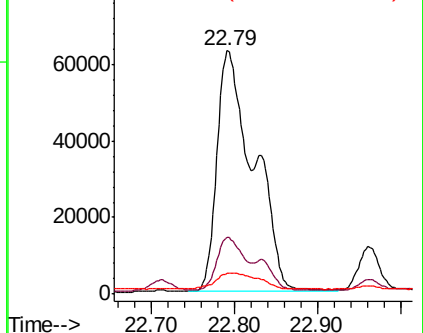
125 8.5 0.0 31.0

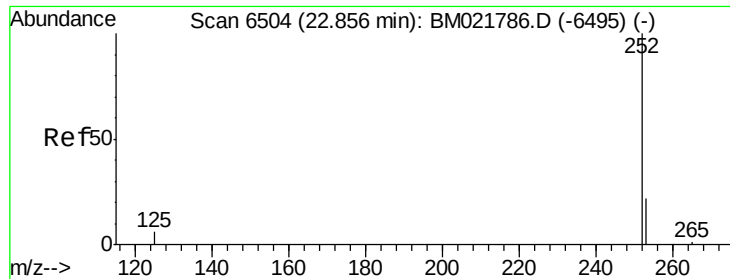


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.303 ng/ul

RT: 22.96 min Scan# 6547

Delta R.T. 0.10 min

Lab File: BM021790.D

Acq: 04 Aug 2019 01:25

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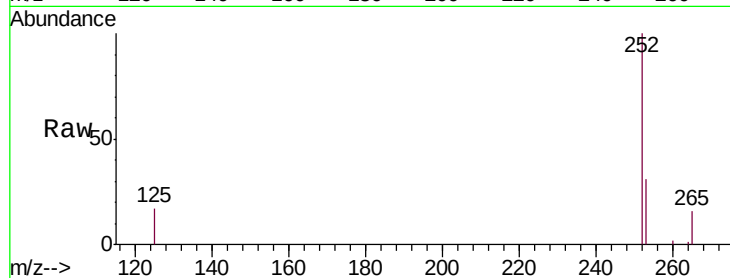
Tgt Ion:252 Resp: 15739

Ion Ratio Lower Upper

252 100

253 31.2 27.0 40.4

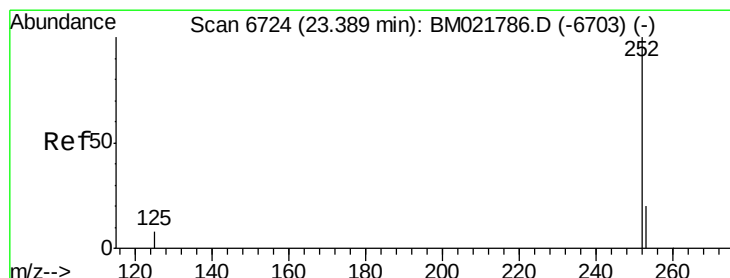
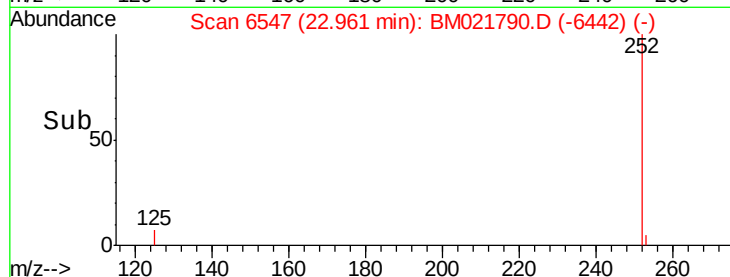
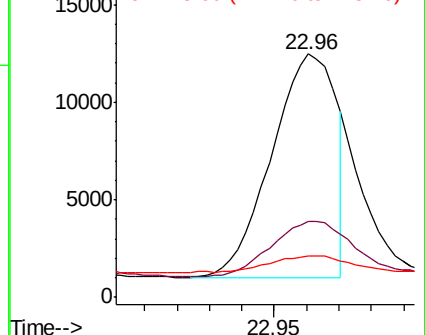
125 17.0 12.2 18.2



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: 1.950 ng/ul

RT: 23.36 min Scan# 6711

Delta R.T. -0.03 min

Lab File: BM021790.D

Acq: 04 Aug 2019 01:25

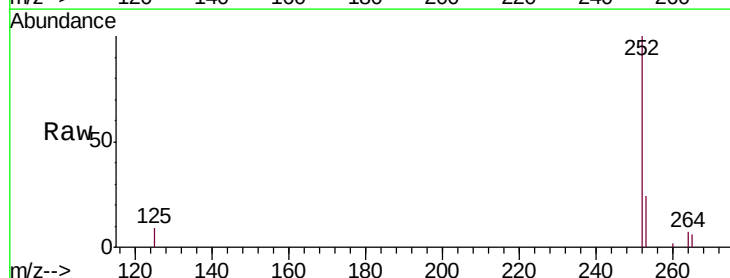
Tgt Ion:252 Resp: 90892

Ion Ratio Lower Upper

252 100

253 23.6 31.7 47.5#

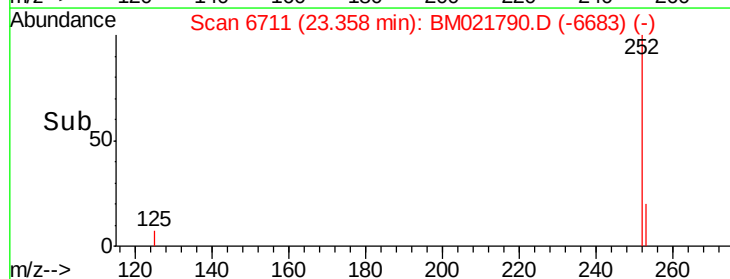
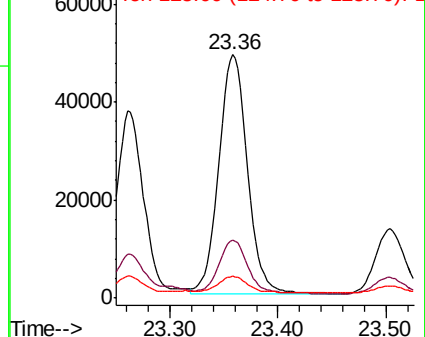
125 8.9 14.6 21.8#

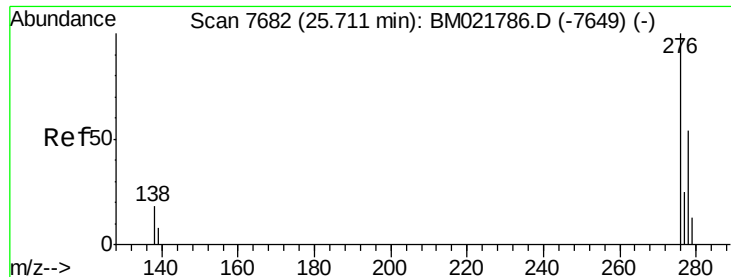


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



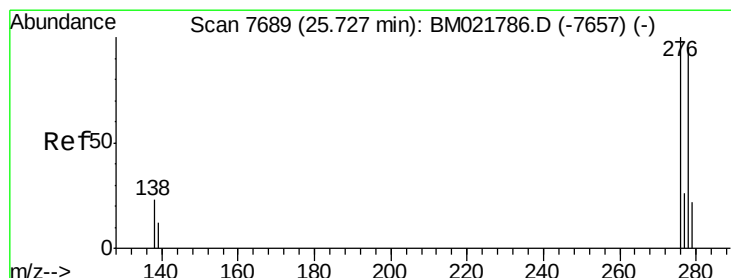
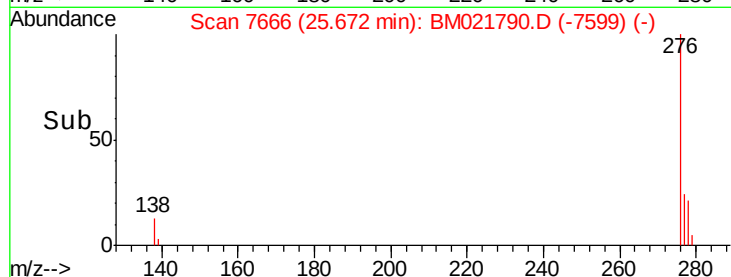
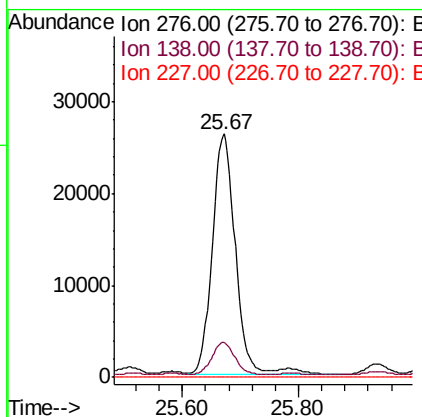
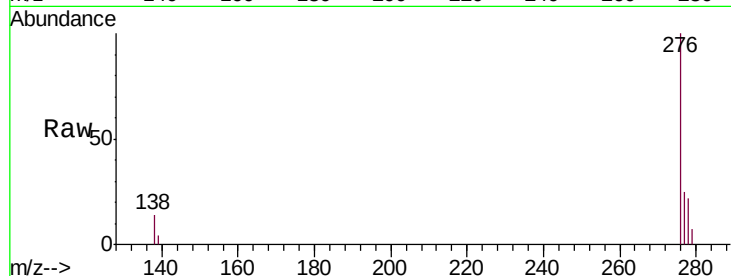


#24

Indeno(1,2,3-cd)pyrene
Concen: 1.302 ng/ul
RT: 25.67 min Scan# 7666
Delta R.T. -0.04 min
Lab File: BM021790.D
Acq: 04 Aug 2019 01:25

Instrument :
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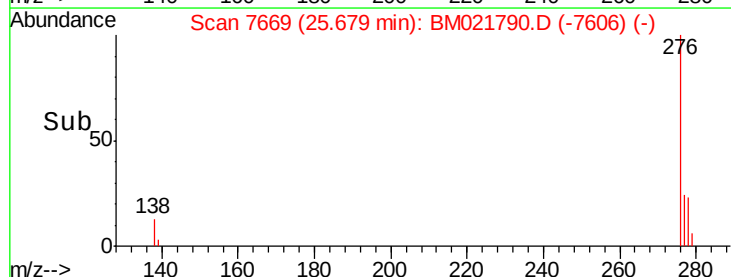
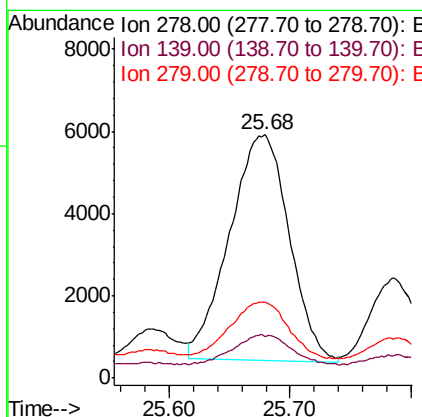
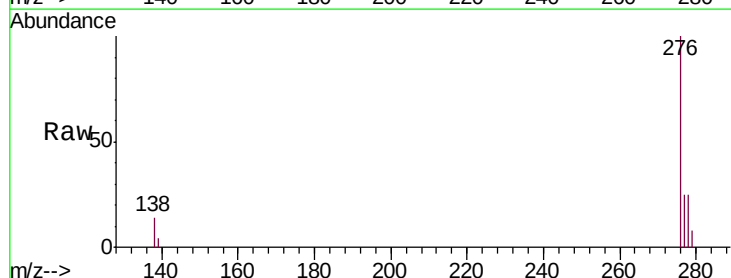
Tgt Ion: 276 Resp: 72490
Ion Ratio Lower Upper
276 100
138 13.1 15.1 22.7#
227 0.0 0.0 0.0

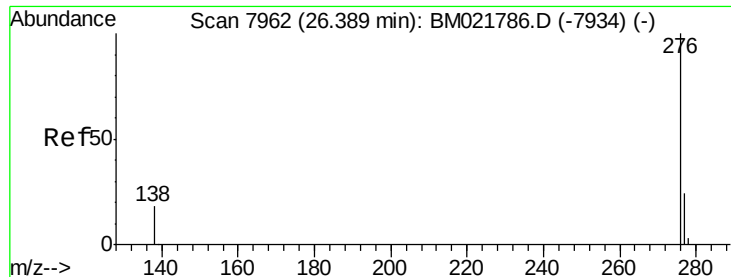


#25

Dibenzo(a,h)anthracene
Concen: 0.418 ng/ul
RT: 25.68 min Scan# 7669
Delta R.T. -0.05 min
Lab File: BM021790.D
Acq: 04 Aug 2019 01:25

Tgt Ion: 278 Resp: 18784
Ion Ratio Lower Upper
278 100
139 17.1 14.2 21.2
279 31.1 28.3 42.5





#26

Benzo(g,h,i)perylene

Concen: 1.315 ng/ul

RT: 26.36 min Scan# 7949

Delta R.T. -0.03 min

Lab File: BM021790.D

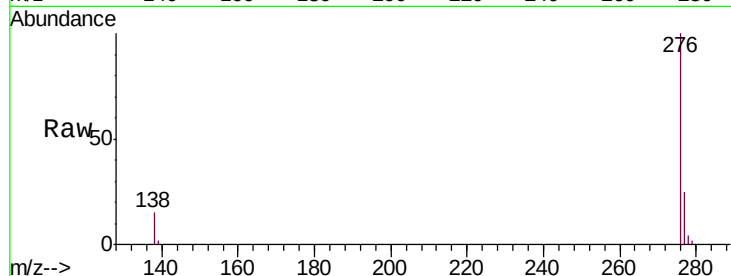
Acq: 04 Aug 2019 01:25

Instrument :

BNA_M

ClientSampleId :

BENS3



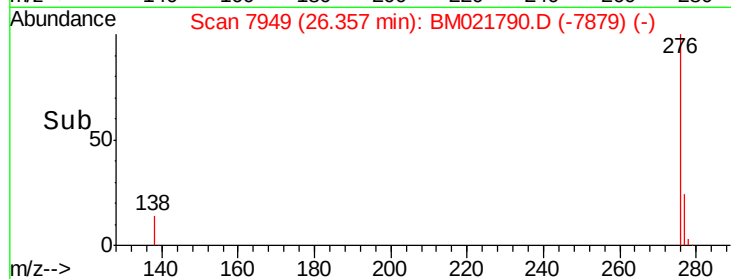
Tgt Ion: 276 Resp: 65895

Ion Ratio Lower Upper

276 100

138 14.6 15.5 23.3#

277 24.5 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

