

Data File : BM021786.D
Acq On : 03 Aug 2019 22:58
Operator : HP/JU
Sample : SSTDC00.4
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.426

Quant Time: Aug 04 04:11:07 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 : Sat Aug 03 22:53:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	643	0.40	ng/ul	0.00
2) Naphthalene-d8	10.45	136	2828	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	1558	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	3415	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	3220	0.40	ng/ul	0.00
20) Perylene-d12	23.48	264	3769	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	1884	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.10	212	4457	0.39	ng/ul	0.00

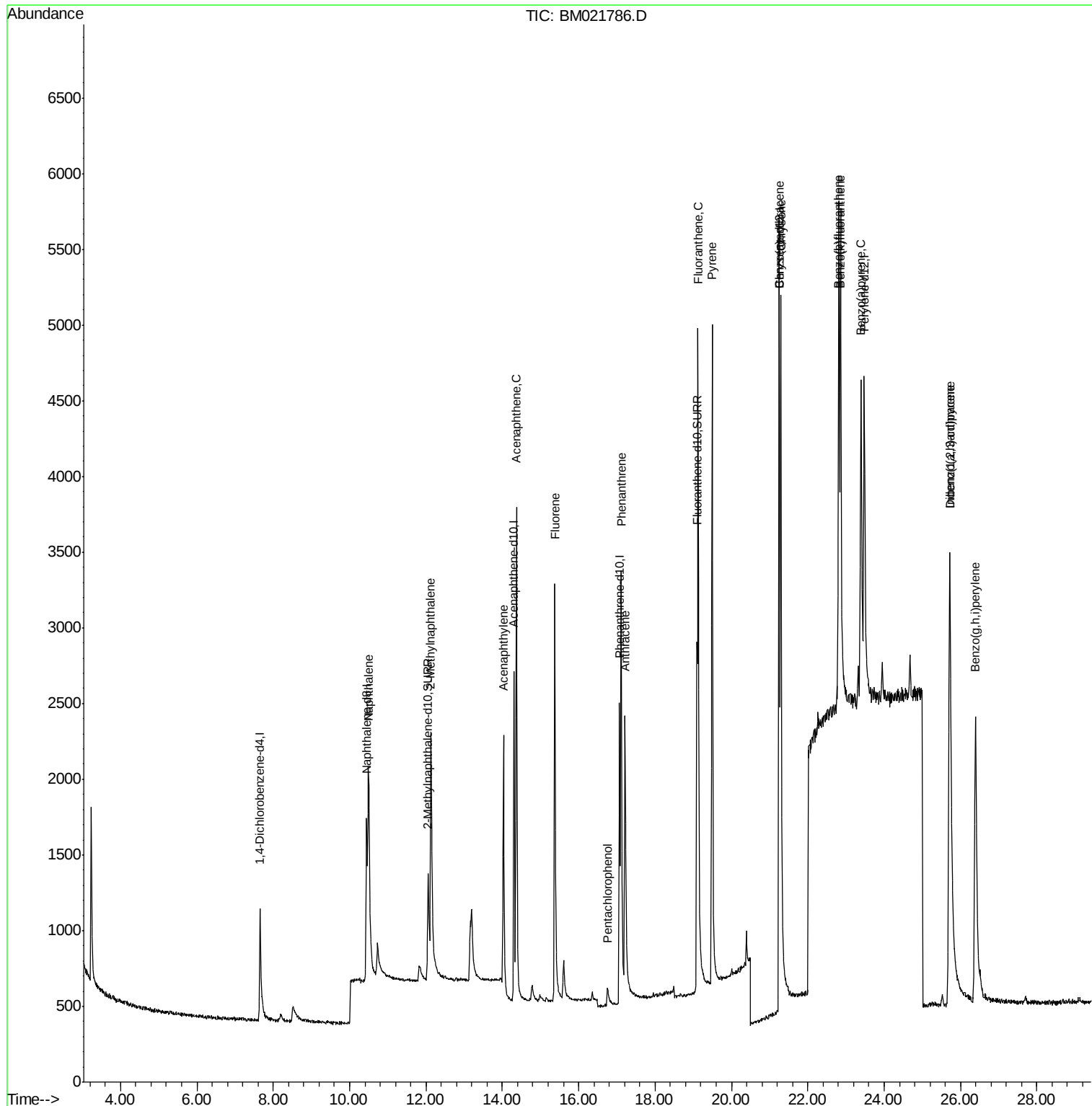
Target Compounds				Qvalue		
3) Naphthalene	10.50	128	3288	0.412	ng/ul	99
5) 2-Methylnaphthalene	12.13	142	2153	0.405	ng/ul	100
7) Acenaphthylene	14.03	152	2925	0.403	ng/ul	99
8) Acenaphthene	14.37	153	2455	0.413	ng/ul	96
9) Fluorene	15.37	166	2591	0.392	ng/ul	97
11) Pentachlorophenol	16.75	266	242	0.384	ng/ul#	77
12) Phenanthrene	17.11	178	4010	0.404	ng/ul	100
13) Anthracene	17.21	178	3361	0.397	ng/ul	97
15) Fluoranthene	19.13	202	5114	0.384	ng/ul	97
17) Pyrene	19.49	202	5499	0.416	ng/ul#	93
18) Benzo(a)anthracene	21.25	228	4304	0.374	ng/ul	99
19) Chrysene	21.29	228	6168	0.416	ng/ul	99
21) Benzo(b)fluoranthene	22.81	252	4956	0.390	ng/ul	98
22) Benzo(k)fluoranthene	22.86	252	5868	0.408	ng/ul	98
23) Benzo(a)pyrene	23.39	252	4989	0.386	ng/ul#	96
24) Indeno(1,2,3-cd)pyrene	25.71	276	6023	0.390	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.73	278	4814	0.386	ng/ul	94
26) Benzo(g,h,i)perylene	26.39	276	5630	0.405	ng/ul	96

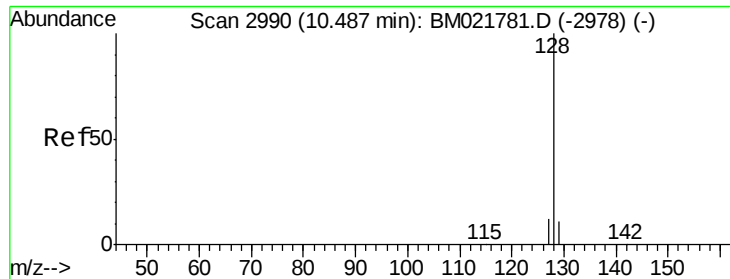
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.412 ng/ul

RT: 10.50 min Scan# 2992

Delta R.T. 0.01 min

Lab File: BM021786.D

Acq: 03 Aug 2019 22:58

Instrument :

BNA_M

ClientSampleId :

SSTD0.426

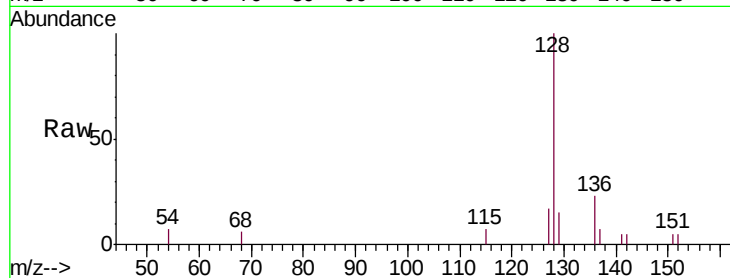
Tgt Ion:128 Resp: 3288

Ion Ratio Lower Upper

128 100

129 15.3 12.3 18.5

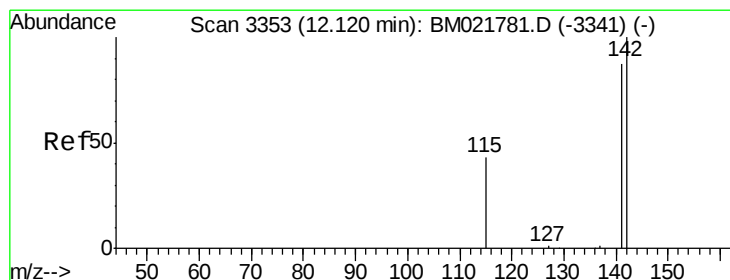
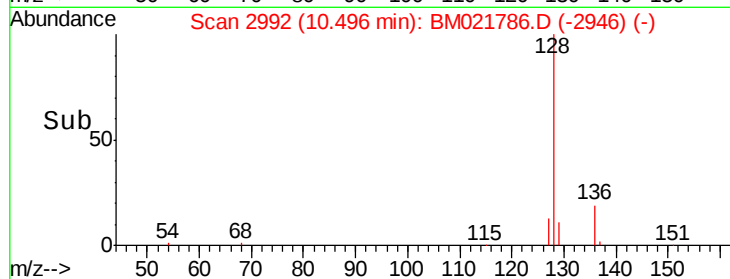
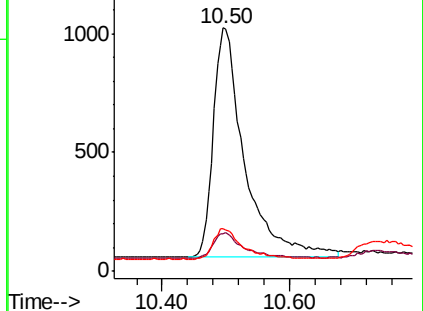
127 17.4 13.0 19.6



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: 0.405 ng/ul

RT: 12.13 min Scan# 3355

Delta R.T. 0.01 min

Lab File: BM021786.D

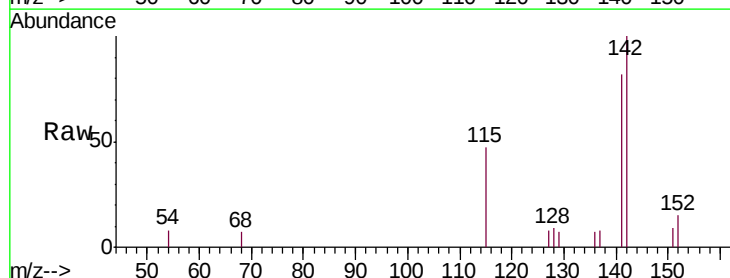
Acq: 03 Aug 2019 22:58

Tgt Ion:142 Resp: 2153

Ion Ratio Lower Upper

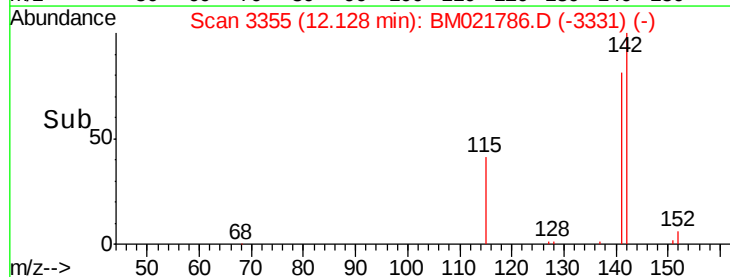
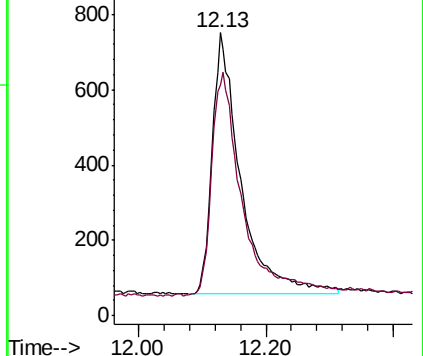
142 100

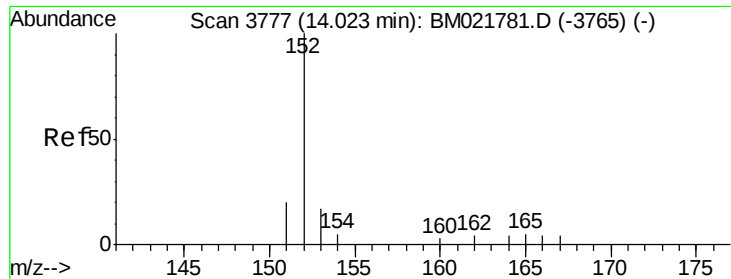
141 92.9 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.403 ng/ul

RT: 14.03 min Scan# 3778

Delta R.T. 0.00 min

Lab File: BM021786.D

Acq: 03 Aug 2019 22:58

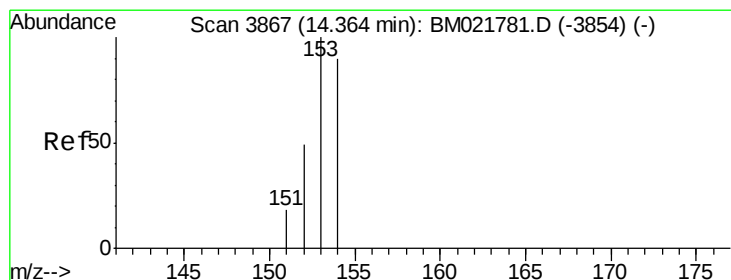
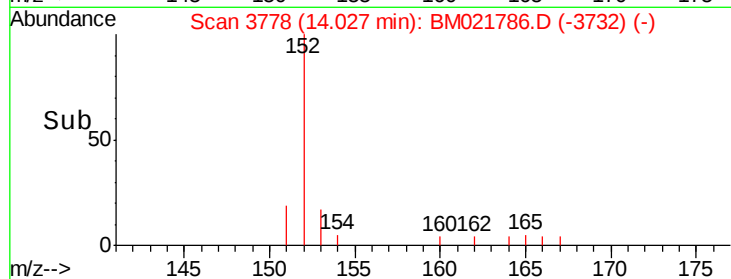
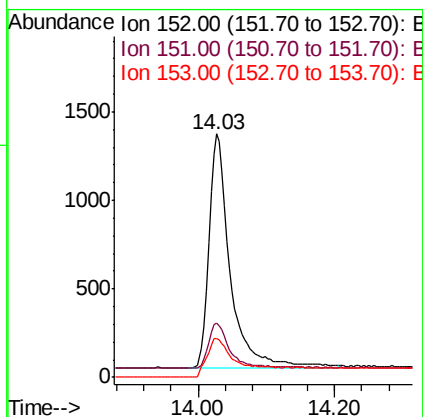
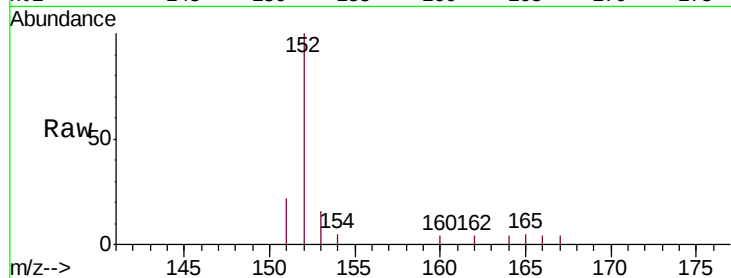
Instrument :

BNA_M

ClientSampleId :

SSTD0.426

Tgt Ion:	152	Resp:	2925
Ion	Ratio	Lower	Upper
152	100		
151	22.0	18.3	27.5
153	16.1	12.8	19.2



#8

Acenaphthene

Concen: 0.413 ng/ul

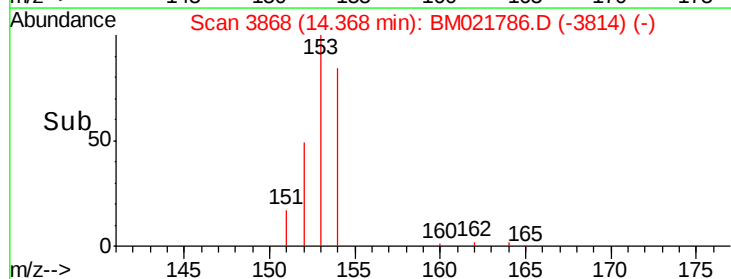
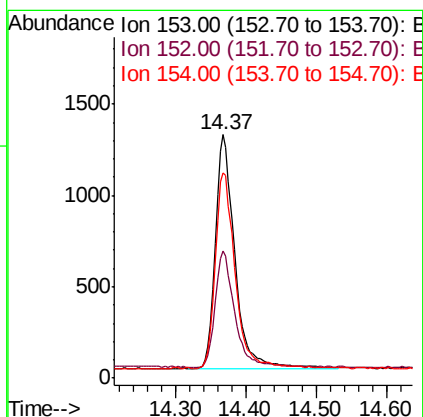
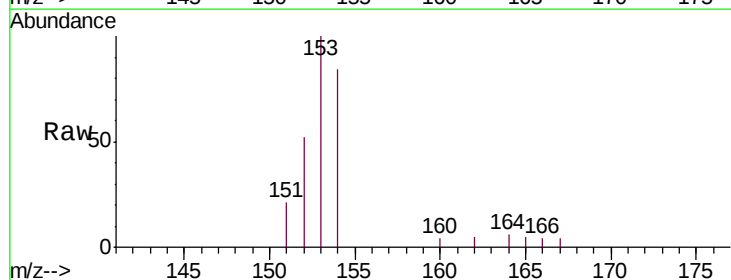
RT: 14.37 min Scan# 3868

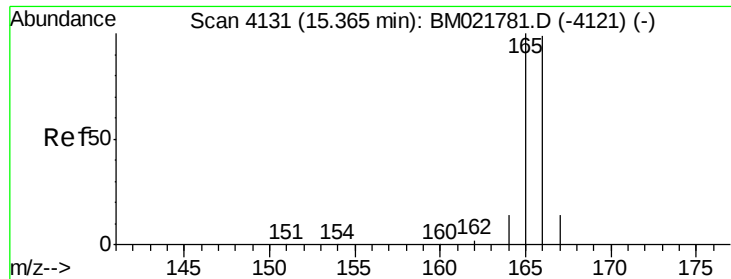
Delta R.T. 0.00 min

Lab File: BM021786.D

Acq: 03 Aug 2019 22:58

Tgt Ion:	153	Resp:	2455
Ion	Ratio	Lower	Upper
153	100		
152	52.1	41.3	61.9
154	84.2	72.3	108.5





#9

Fluorene

Concen: 0.392 ng/ul

RT: 15.37 min Scan# 4133

Delta R.T. 0.01 min

Lab File: BM021786.D

Acq: 03 Aug 2019 22:58

Instrument :

BNA_M

ClientSampleId :

SSTD0.426

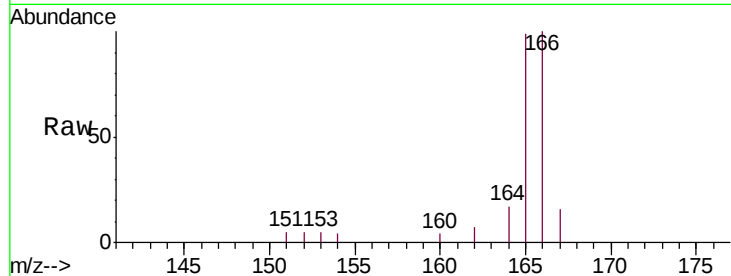
Tgt Ion:166 Resp: 2591

Ion Ratio Lower Upper

166 100

165 98.7 81.4 122.0

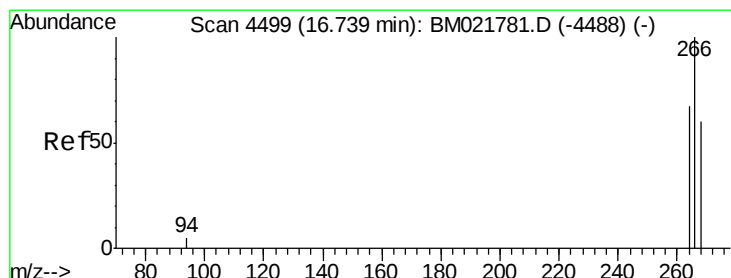
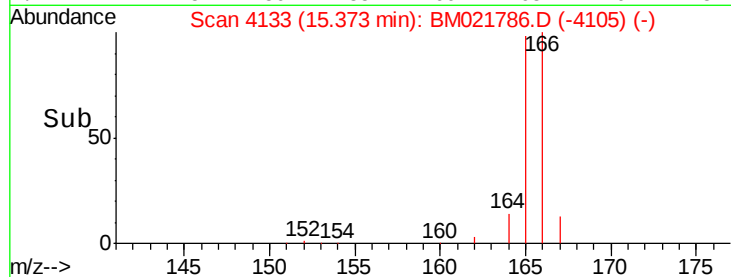
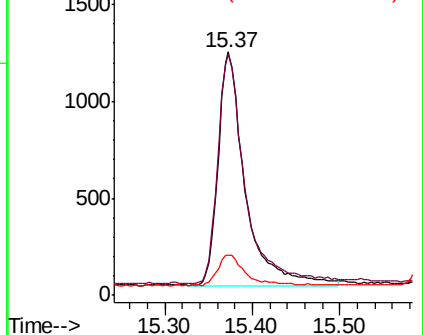
167 16.2 13.7 20.5



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: 0.384 ng/ul

RT: 16.75 min Scan# 4502

Delta R.T. 0.01 min

Lab File: BM021786.D

Acq: 03 Aug 2019 22:58

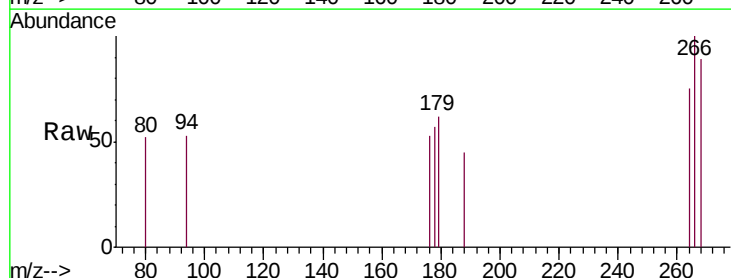
Tgt Ion:266 Resp: 242

Ion Ratio Lower Upper

266 100

264 50.4 54.2 81.2#

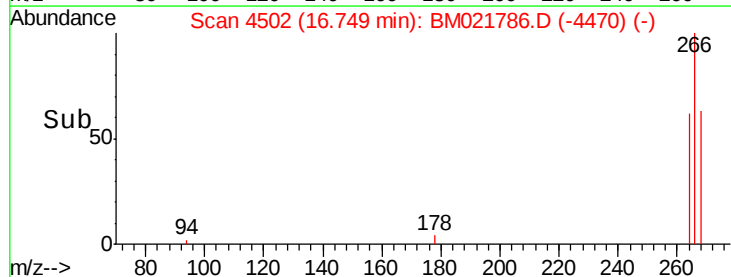
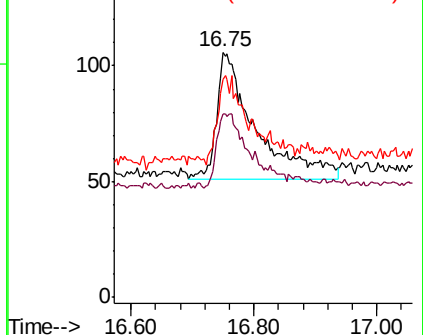
268 51.7 57.6 86.4#

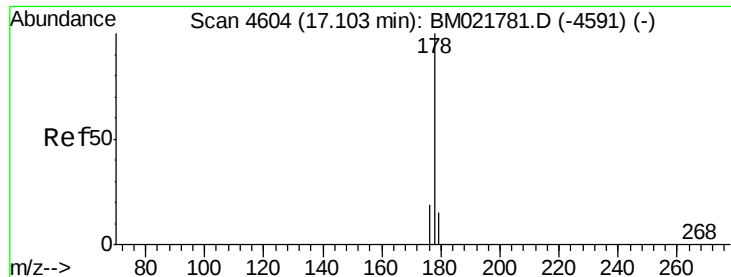


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.404 ng/ul

RT: 17.11 min Scan# 4606

Delta R.T. 0.01 min

Lab File: BM021786.D

Acq: 03 Aug 2019 22:58

Instrument :

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ClientSampleId :

SSTD0.426

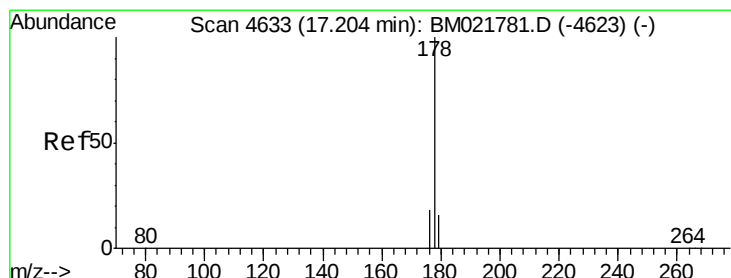
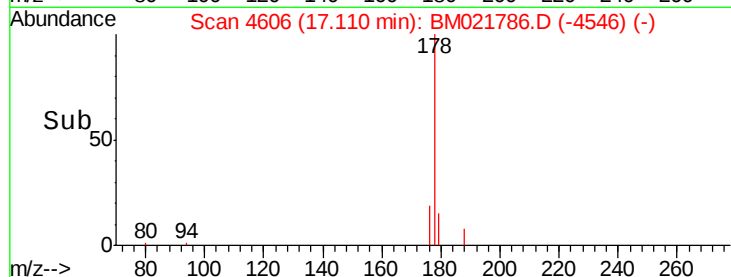
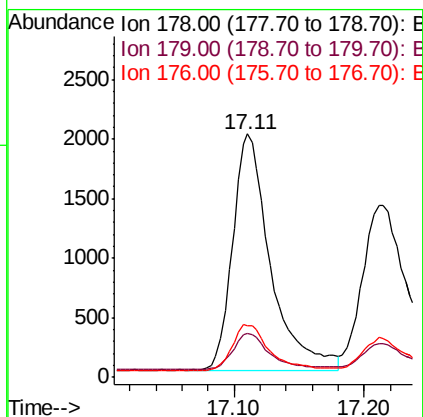
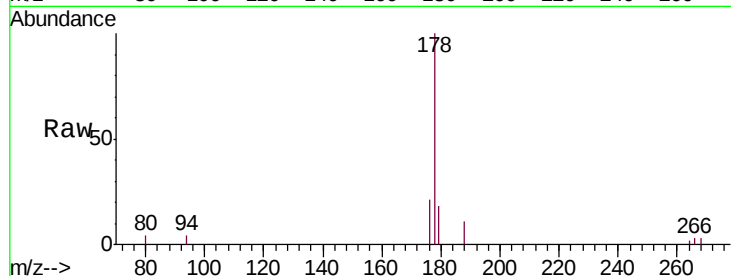
Tgt Ion:178 Resp: 4010

Ion Ratio Lower Upper

178 100

179 17.9 14.2 21.2

176 21.2 16.8 25.2



#13

Anthracene

Concen: 0.397 ng/ul

RT: 17.21 min Scan# 4635

Delta R.T. 0.01 min

Lab File: BM021786.D

Acq: 03 Aug 2019 22:58

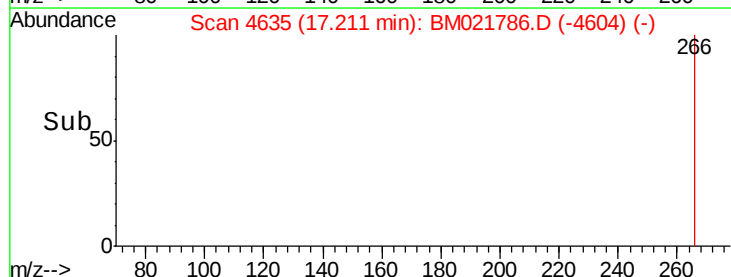
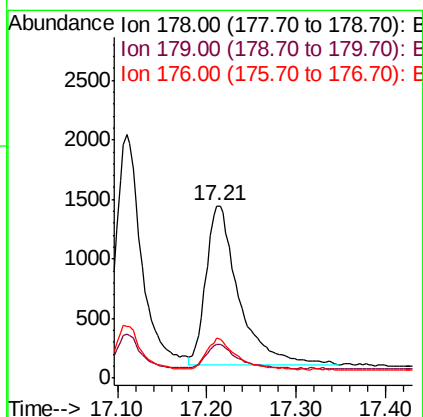
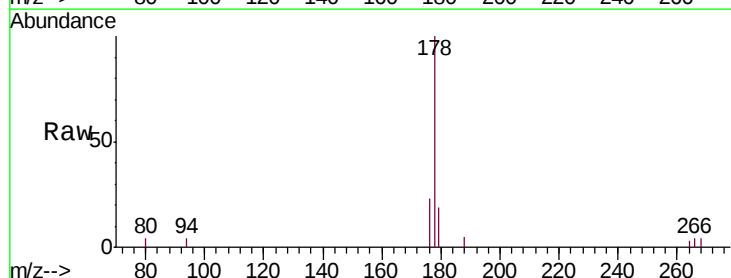
Tgt Ion:178 Resp: 3361

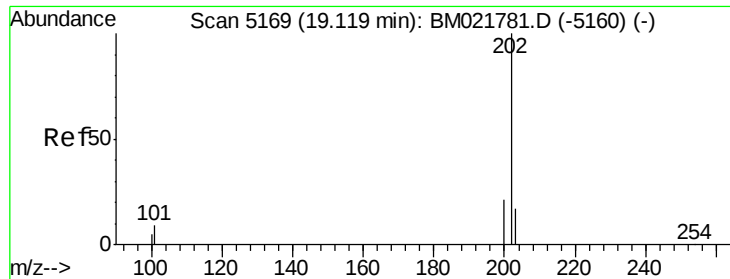
Ion Ratio Lower Upper

178 100

179 19.3 15.5 23.3

176 23.2 16.6 25.0





#15

Fluoranthene

Concen: 0.384 ng/ul

RT: 19.13 min Scan# 5171

Delta R.T. 0.01 min

Lab File: BM021786.D

Acq: 03 Aug 2019 22:58

Instrument :

BNA_M

ClientSampleId :

SSTD0.426

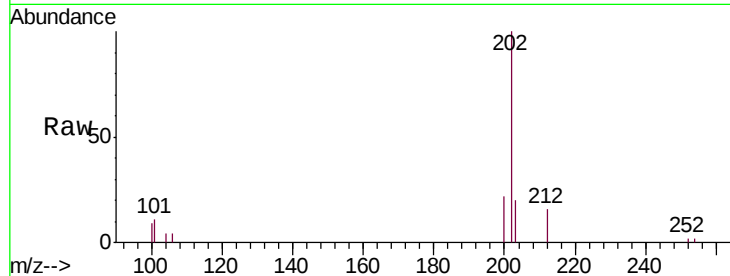
Tgt Ion:202 Resp: 5114

Ion Ratio Lower Upper

202 100

101 11.4 0.0 30.2

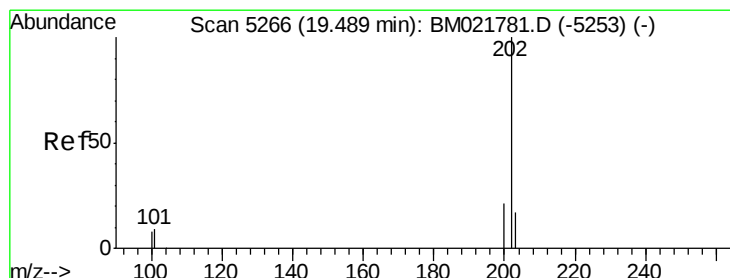
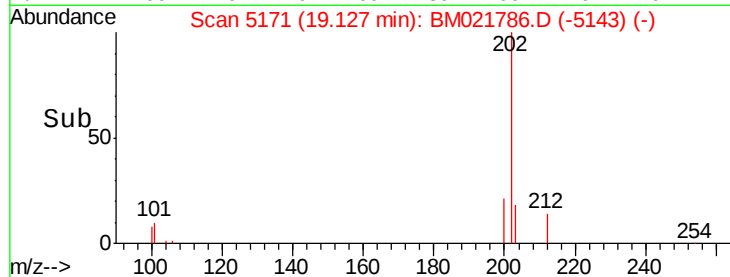
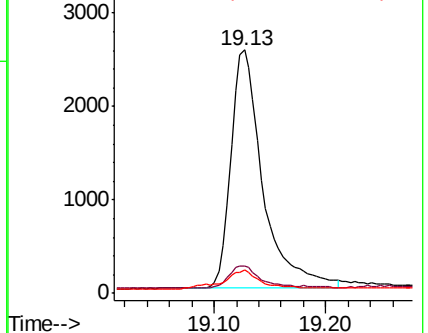
100 9.4 0.0 28.1



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



#17

Pyrene

Concen: 0.416 ng/ul

RT: 19.49 min Scan# 5267

Delta R.T. 0.00 min

Lab File: BM021786.D

Acq: 03 Aug 2019 22:58

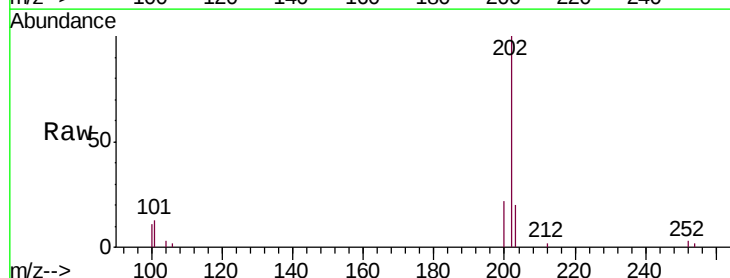
Tgt Ion:202 Resp: 5499

Ion Ratio Lower Upper

202 100

101 13.4 8.3 12.5#

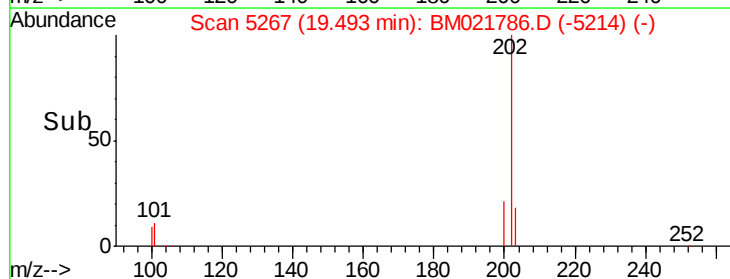
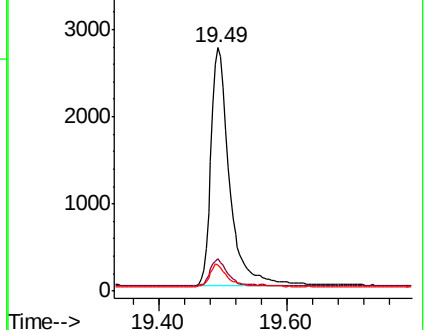
100 10.7 7.2 10.8

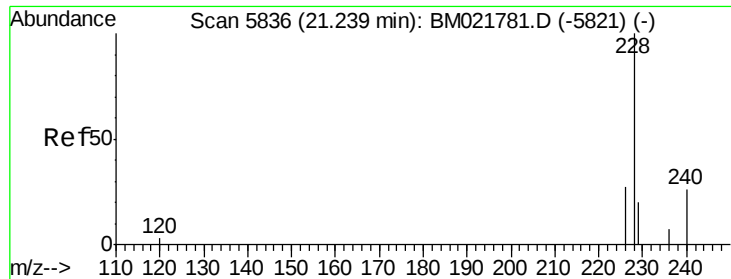


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.374 ng/ul

RT: 21.25 min Scan# 5839

Delta R.T. 0.01 min

Lab File: BM021786.D

Acq: 03 Aug 2019 22:58

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SSTD0.426

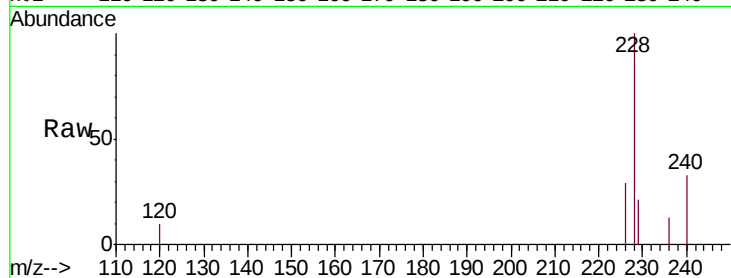
Tgt Ion:228 Resp: 4304

Ion Ratio Lower Upper

228 100

229 21.2 17.2 25.8

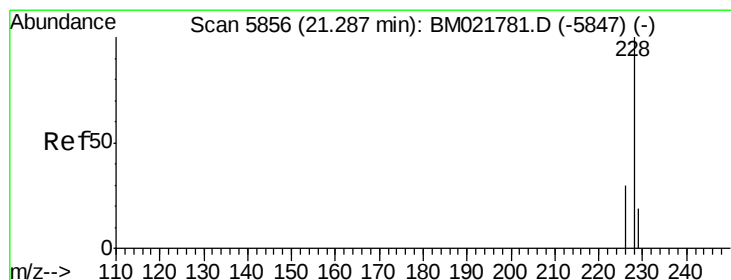
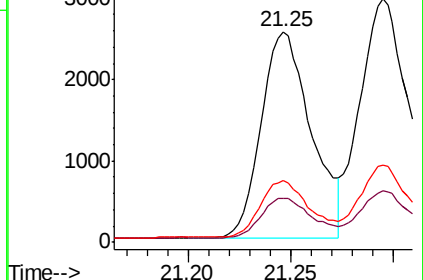
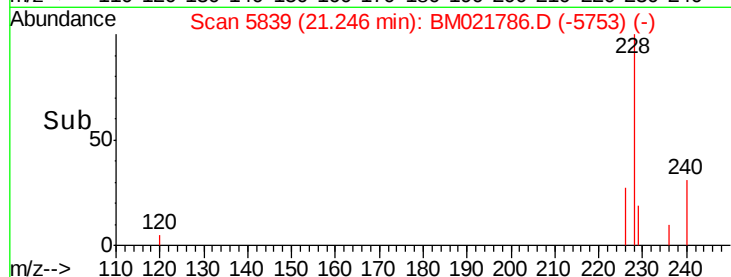
226 29.1 22.6 34.0



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: 0.416 ng/ul

RT: 21.29 min Scan# 5859

Delta R.T. 0.01 min

Lab File: BM021786.D

Acq: 03 Aug 2019 22:58

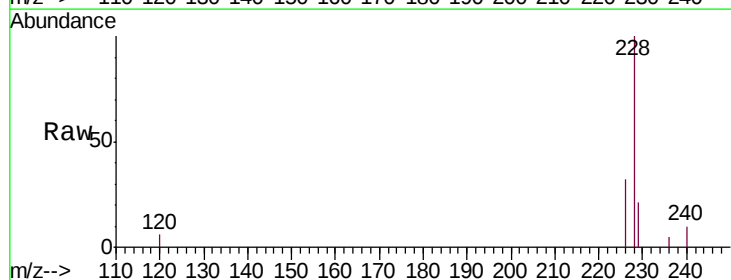
Tgt Ion:228 Resp: 6168

Ion Ratio Lower Upper

228 100

226 31.7 24.9 37.3

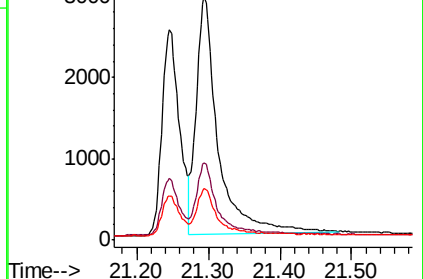
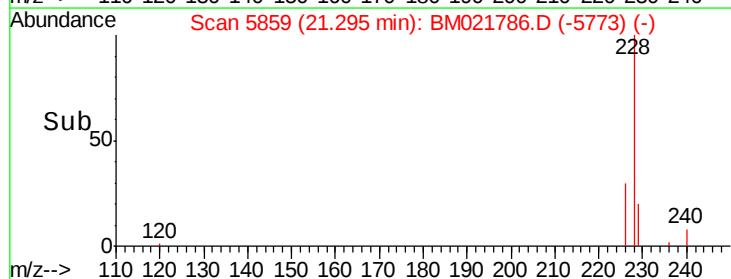
229 21.2 16.6 25.0

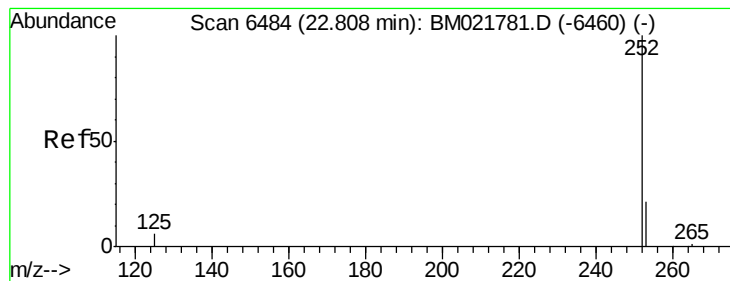


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.390 ng/ul

RT: 22.81 min Scan# 6485

Delta R.T. 0.00 min

Lab File: BM021786.D

Acq: 03 Aug 2019 22:58

Instrument :

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ClientSampleId :

SSTD0.426

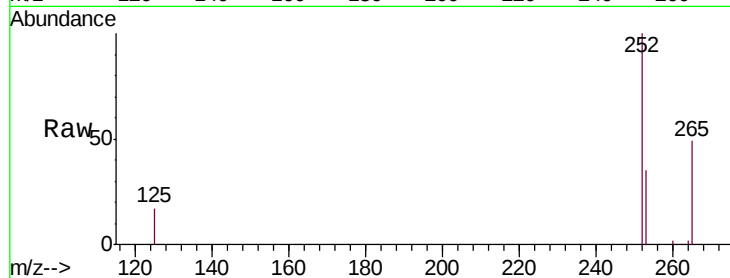
Tgt Ion:252 Resp: 4956

Ion Ratio Lower Upper

252 100

253 34.5 0.0 67.4

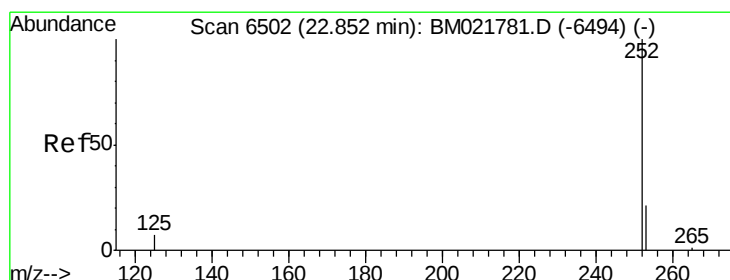
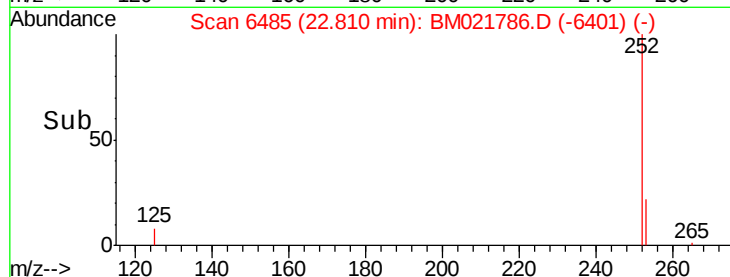
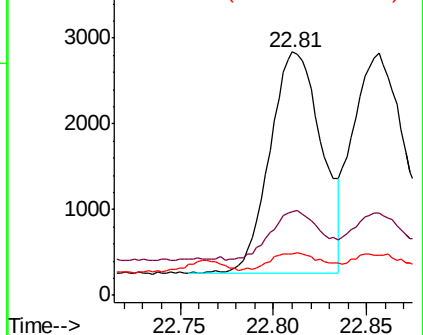
125 16.8 0.0 31.0



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: 0.408 ng/ul

RT: 22.86 min Scan# 6504

Delta R.T. 0.00 min

Lab File: BM021786.D

Acq: 03 Aug 2019 22:58

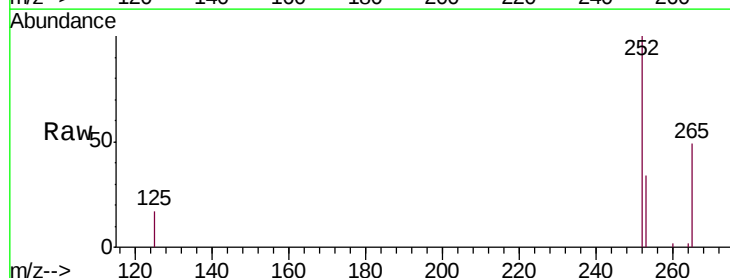
Tgt Ion:252 Resp: 5868

Ion Ratio Lower Upper

252 100

253 34.2 27.0 40.4

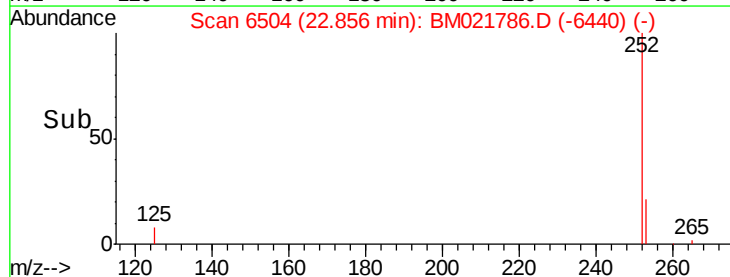
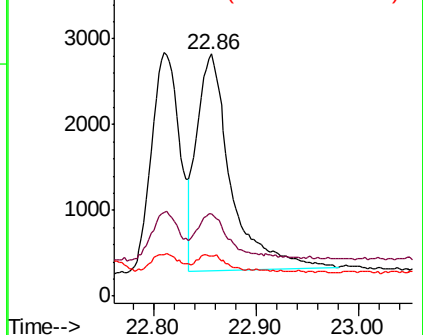
125 16.8 12.2 18.2

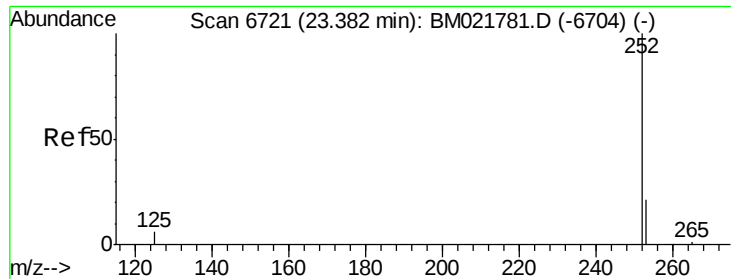


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.386 ng/u1

RT: 23.39 min Scan# 6724

Delta R.T. 0.01 min

Lab File: BM021786.D

Acq: 03 Aug 2019 22:58

Instrument :

BNA_M

ClientSampleId :

SSTD0.426

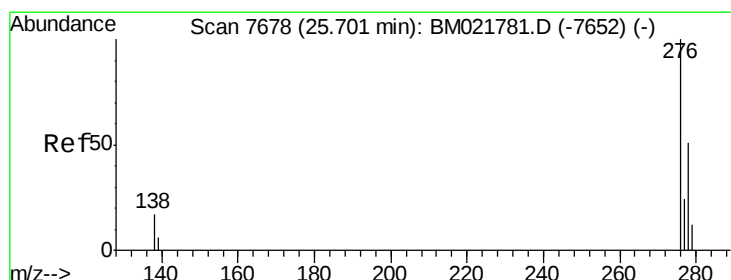
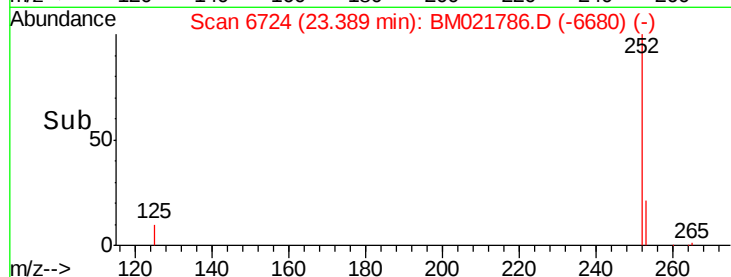
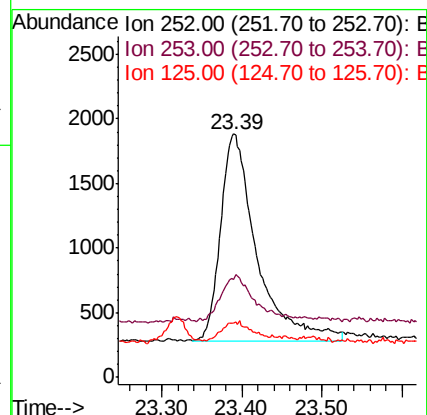
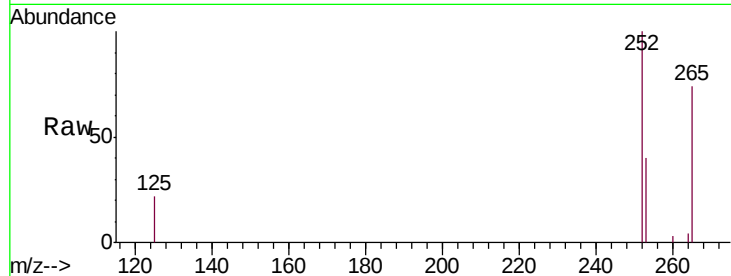
Tgt Ion:252 Resp: 4989

Ion Ratio Lower Upper

252 100

253 40.2 31.7 47.5

125 22.4 14.6 21.8#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.390 ng/u1

RT: 25.71 min Scan# 7682

Delta R.T. 0.01 min

Lab File: BM021786.D

Acq: 03 Aug 2019 22:58

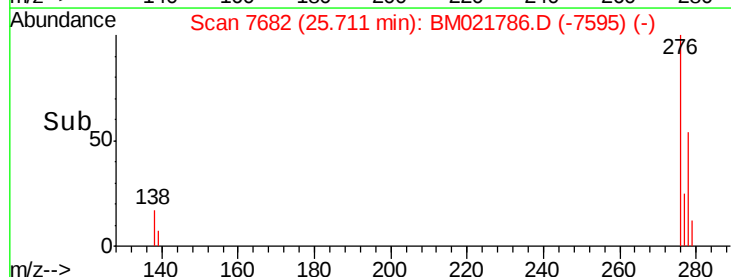
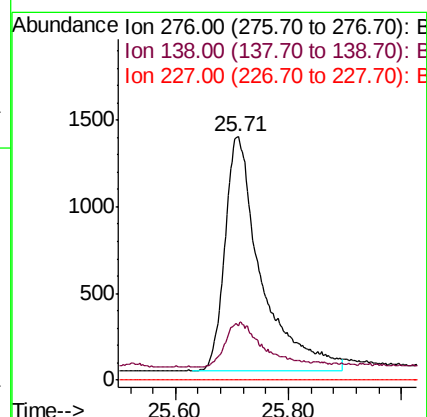
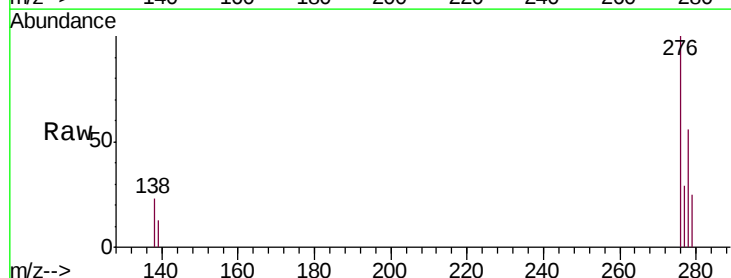
Tgt Ion:276 Resp: 6023

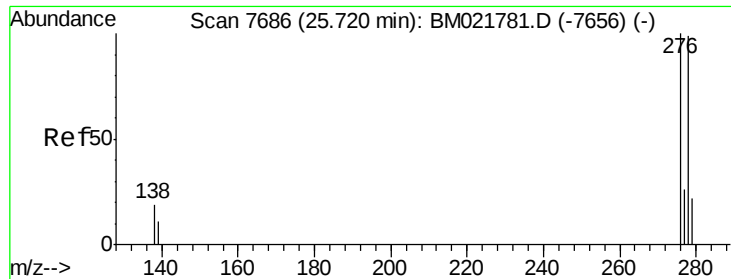
Ion Ratio Lower Upper

276 100

138 20.2 15.1 22.7

227 0.0 0.0 0.0





#25

Dibenzo(a,h)anthracene

Concen: 0.386 ng/ul

RT: 25.73 min Scan# 7689

Delta R.T. 0.01 min

Lab File: BM021786.D

Acq: 03 Aug 2019 22:58

Instrument :

BNA_M

ClientSampleId :

SSTD0.426

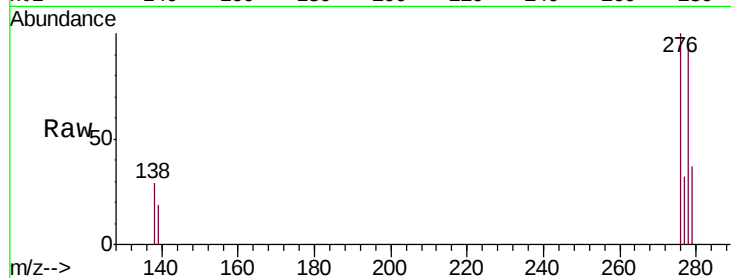
Tgt Ion:278 Resp: 4814

Ion Ratio Lower Upper

278 100

139 19.9 14.2 21.2

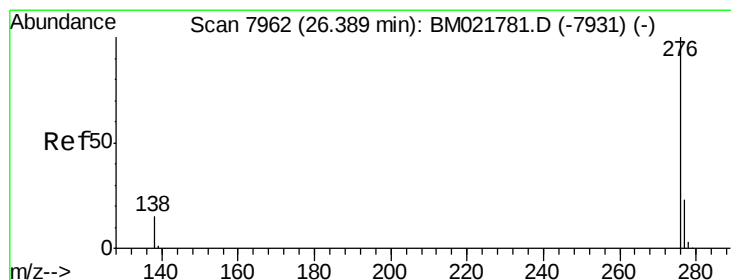
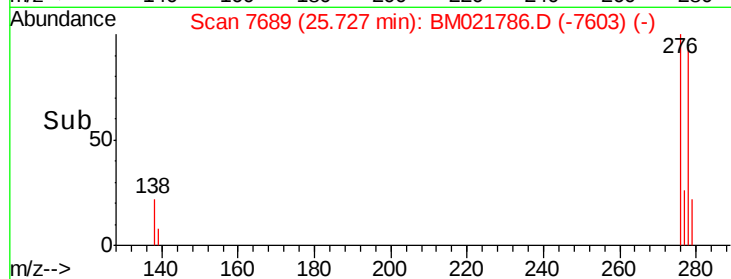
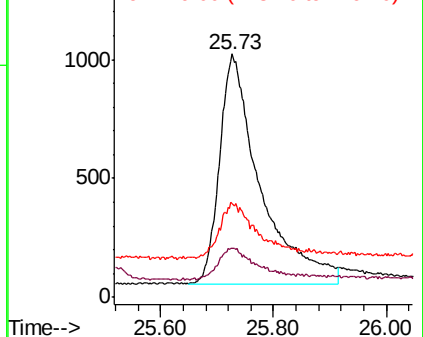
279 38.8 28.3 42.5



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: 0.405 ng/ul

RT: 26.39 min Scan# 7962

Delta R.T. -0.00 min

Lab File: BM021786.D

Acq: 03 Aug 2019 22:58

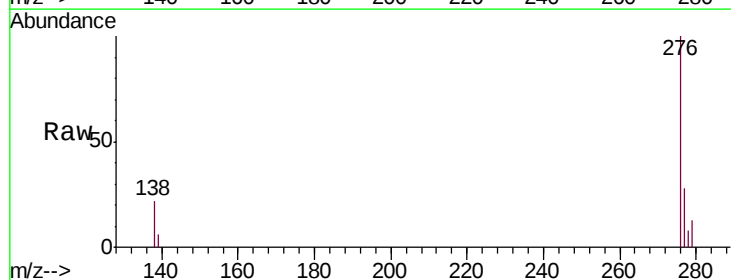
Tgt Ion:276 Resp: 5630

Ion Ratio Lower Upper

276 100

138 22.3 15.5 23.3

277 28.4 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

