

Data File : BM021780.D
Acq On : 03 Aug 2019 18:05
Operator : HP/JU
Sample : SST00.220
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.220

Quant Time: Aug 03 22:38:07 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 22:35:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	730	0.40	ng/ul	0.00
2) Naphthalene-d8	10.45	136	2803	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.31	164	1600	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	3779	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	3846	0.40	ng/ul	0.00
20) Perylene-d12	23.48	264	4600	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	919	0.24	ng/ul	0.02
14) Fluoranthene-d10	19.09	212	2579	0.27	ng/ul	0.00

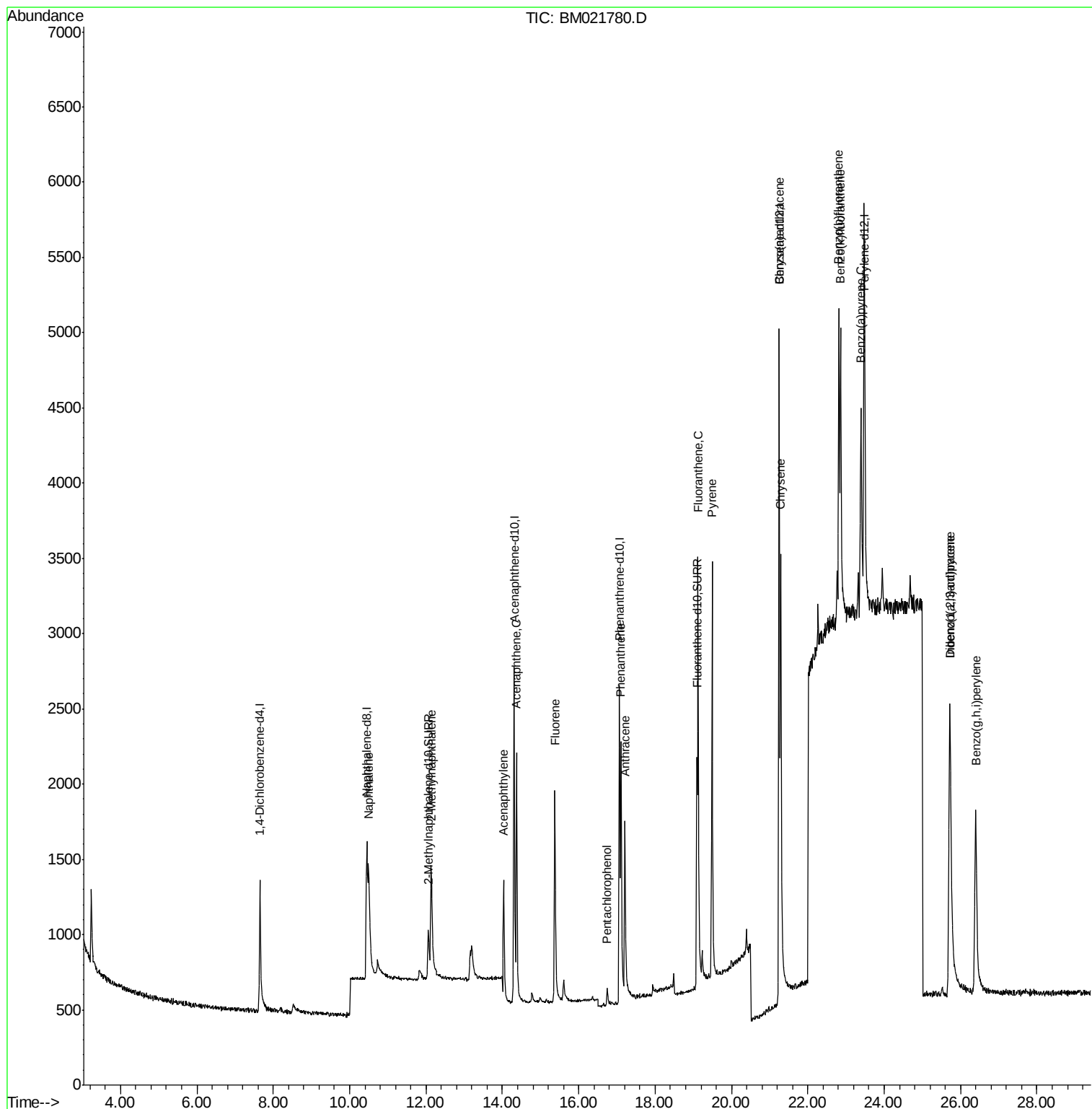
Target Compounds						Qvalue
3) Naphthalene	10.50	128	1581	0.201	ng/ul#	87
5) 2-Methylnaphthalene	12.13	142	1025	0.220	ng/ul	97
7) Acenaphthylene	14.03	152	1524	0.191	ng/ul#	93
8) Acenaphthene	14.37	153	1224	0.183	ng/ul	95
9) Fluorene	15.37	166	1333	0.188	ng/ul	97
11) Pentachlorophenol	16.74	266	142	0.256	ng/ul	91
12) Phenanthrene	17.11	178	2183	0.176	ng/ul	95
13) Anthracene	17.21	178	1797	0.187	ng/ul	94
15) Fluoranthene	19.13	202	2968	0.225	ng/ul	95
17) Pyrene	19.49	202	3213	0.190	ng/ul#	94
18) Benzo(a)anthracene	21.24	228	2675	0.220	ng/ul	98
19) Chrysene	21.29	228	3721	0.192	ng/ul	96
21) Benzo(b)fluoranthene	22.81	252	3023	0.152	ng/ul	80
22) Benzo(k)fluoranthene	22.86	252	3573	0.170	ng/ul#	80
23) Benzo(a)pyrene	23.39	252	3220	0.199	ng/ul#	72
24) Indeno(1,2,3-cd)pyrene	25.71	276	3764	0.201	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.73	278	2952	0.201	ng/ul#	81
26) Benzo(g,h,i)perylene	26.40	276	3378	0.190	ng/ul#	90

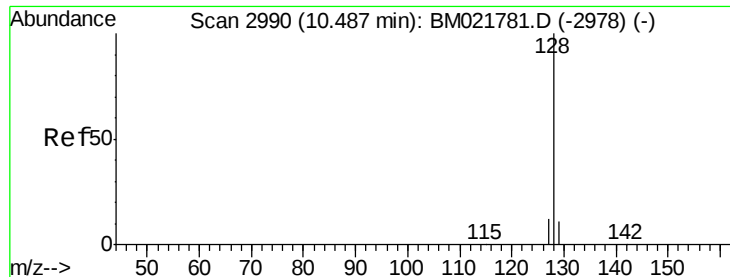
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.201 ng/ul

RT: 10.50 min Scan# 2993

Delta R.T. 0.02 min

Lab File: BM021780.D

Acq: 03 Aug 2019 18:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.220

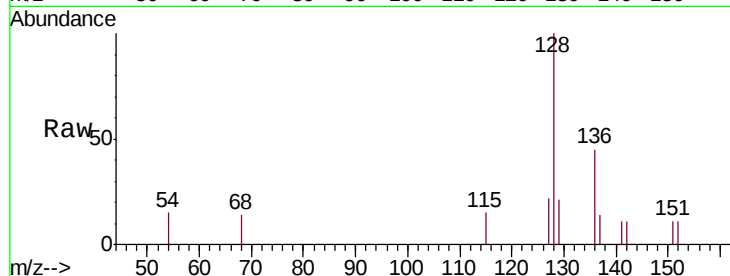
Tgt Ion:128 Resp: 1581

Ion Ratio Lower Upper

128 100

129 21.2 12.3 18.5#

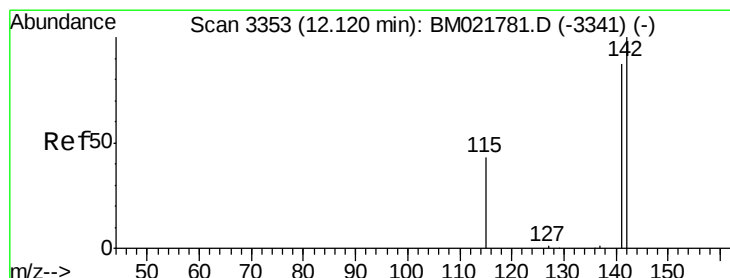
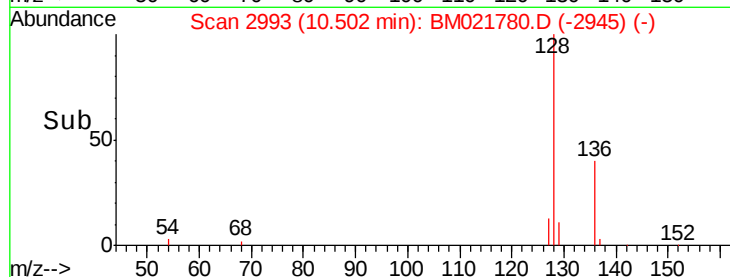
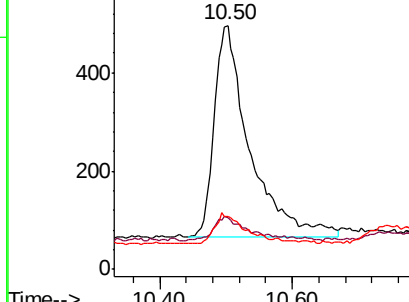
127 21.6 13.0 19.6#



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: 0.220 ng/ul

RT: 12.13 min Scan# 3356

Delta R.T. 0.02 min

Lab File: BM021780.D

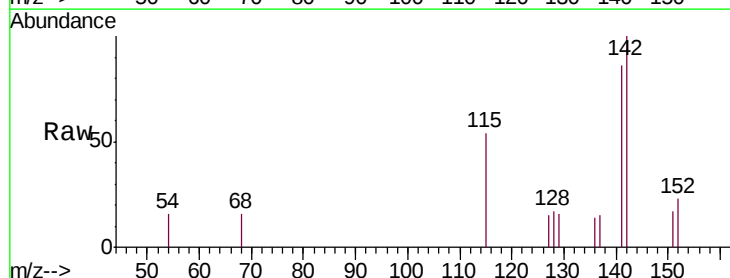
Acq: 03 Aug 2019 18:05

Tgt Ion:142 Resp: 1025

Ion Ratio Lower Upper

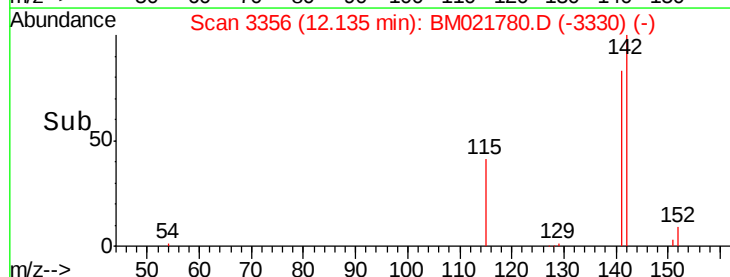
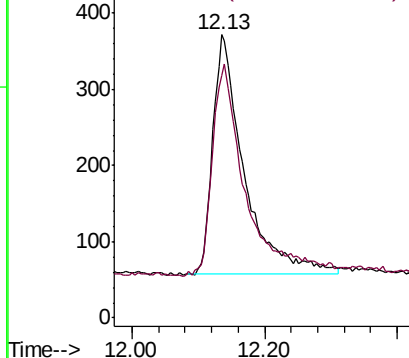
142 100

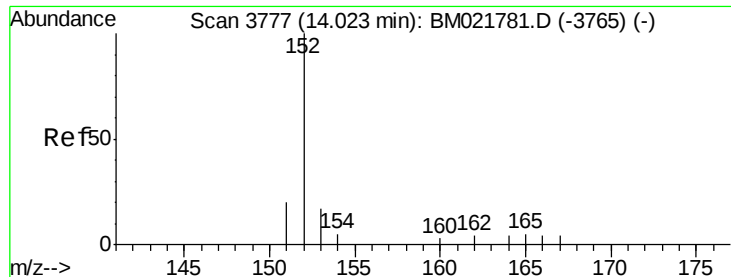
141 95.7 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.191 ng/ul

RT: 14.03 min Scan# 3779

Delta R.T. 0.01 min

Lab File: BM021780.D

Acq: 03 Aug 2019 18:05

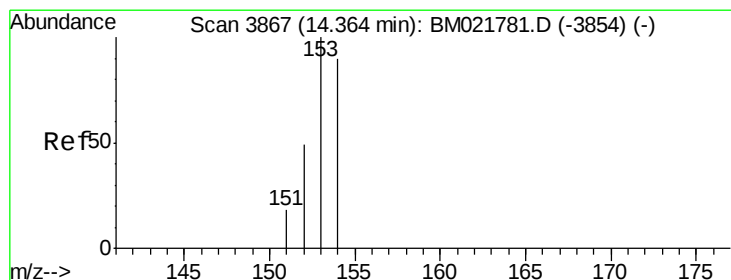
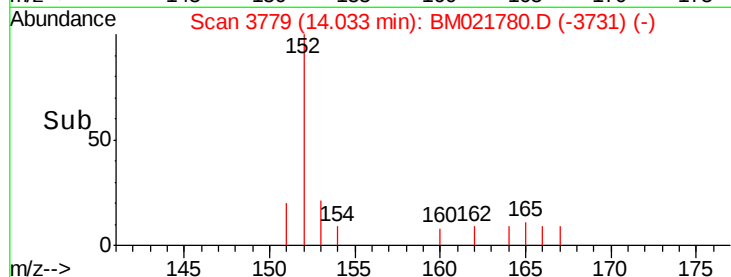
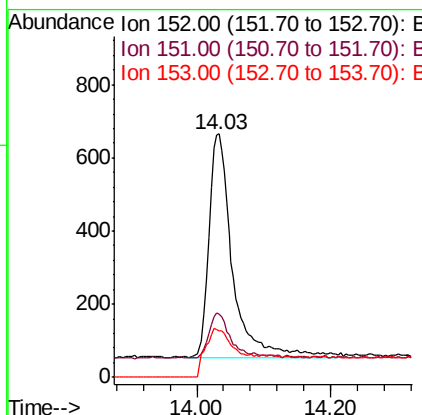
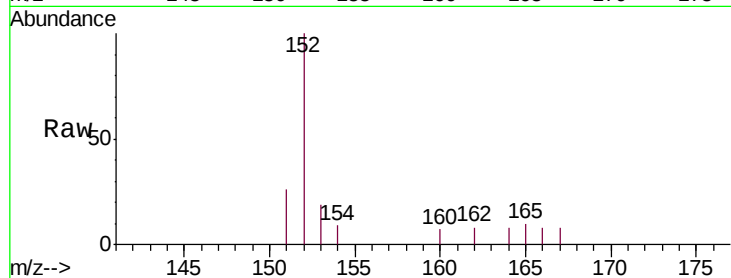
Instrument :

BNA_M

ClientSampleId :

SSTD0.220

Tgt Ion:	152	Resp:	1524
Ion	Ratio	Lower	Upper
152	100		
151	26.1	18.3	27.5
153	19.2	12.8	19.2#



#8

Acenaphthene

Concen: 0.183 ng/ul

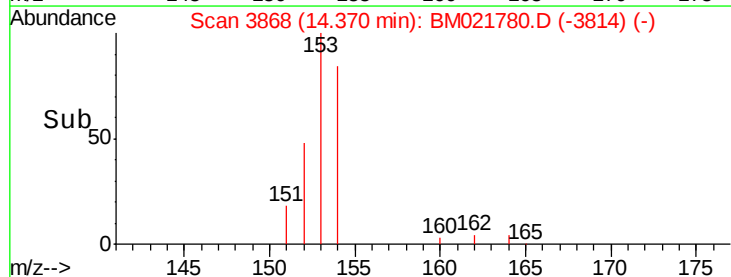
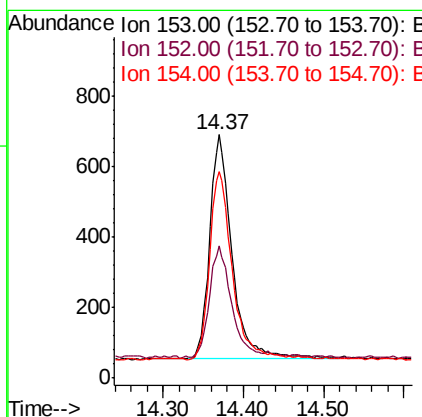
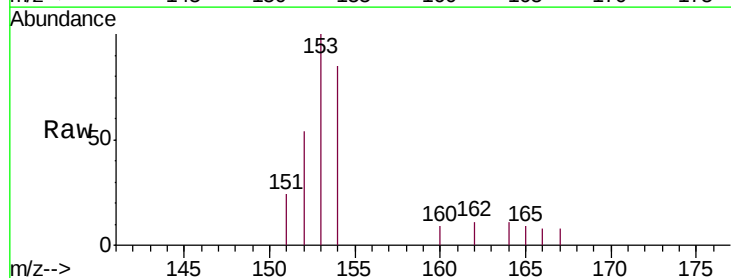
RT: 14.37 min Scan# 3868

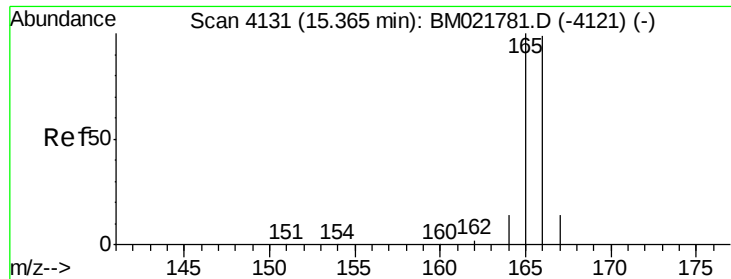
Delta R.T. 0.01 min

Lab File: BM021780.D

Acq: 03 Aug 2019 18:05

Tgt Ion:	153	Resp:	1224
Ion	Ratio	Lower	Upper
153	100		
152	54.3	41.3	61.9
154	84.6	72.3	108.5

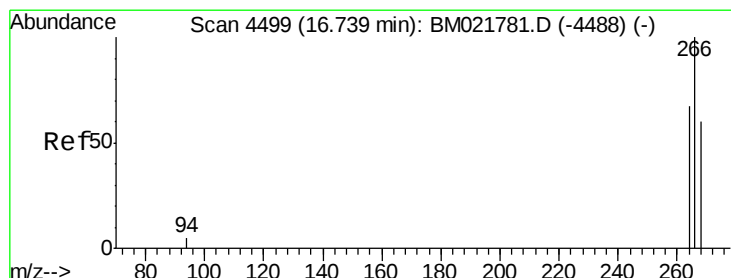
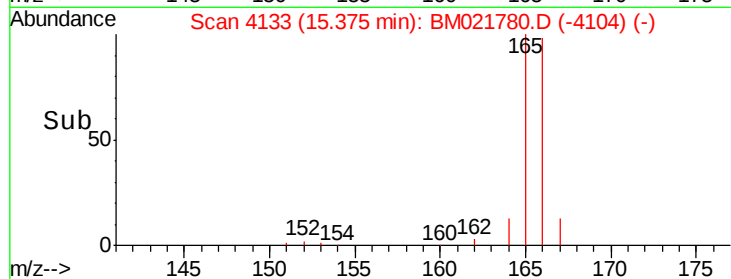
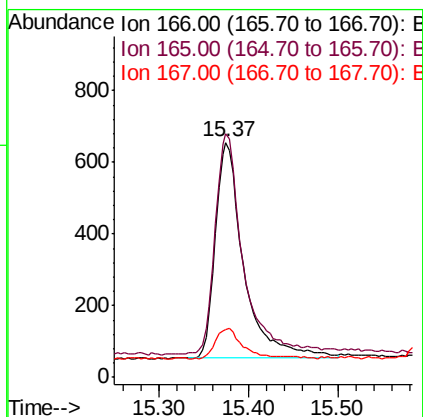
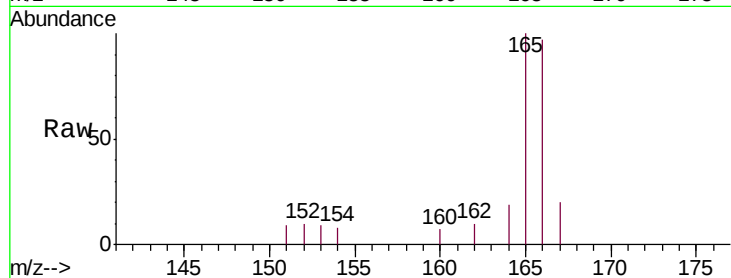




#9
Fluorene
 Concen: 0.188 ng/ul
 RT: 15.37 min Scan# 4133
 Delta R.T. 0.01 min
 Lab File: BM021780.D
 Acq: 03 Aug 2019 18:05

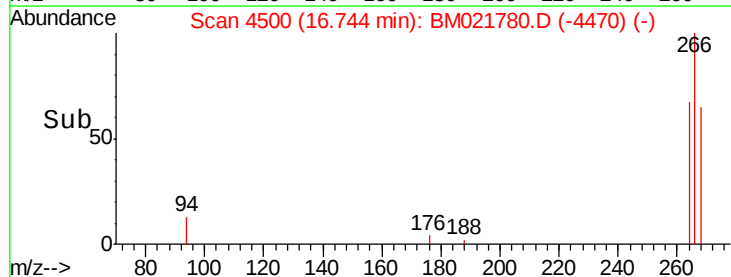
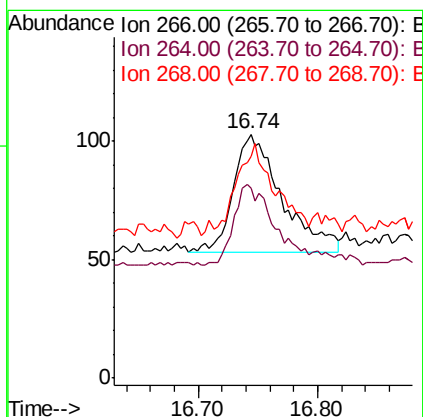
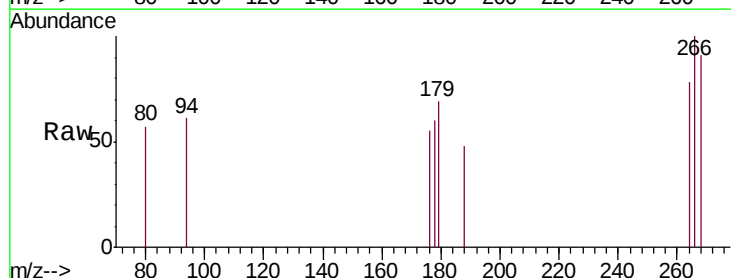
Instrument :
 BNA_M
 ClientSampleId :
 SST00.220

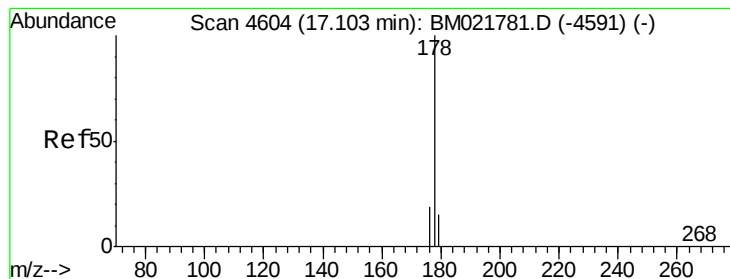
Tgt Ion:166 Resp: 1333
 Ion Ratio Lower Upper
 166 100
 165 103.5 81.4 122.0
 167 20.3 13.7 20.5



#11
Pentachlorophenol
 Concen: 0.256 ng/ul
 RT: 16.74 min Scan# 4500
 Delta R.T. 0.01 min
 Lab File: BM021780.D
 Acq: 03 Aug 2019 18:05

Tgt Ion:266 Resp: 142
 Ion Ratio Lower Upper
 266 100
 264 62.0 54.2 81.2
 268 62.7 57.6 86.4





#12

Phenanthrene

Concen: 0.176 ng/ul

RT: 17.11 min Scan# 4605

Delta R.T. 0.01 min

Lab File: BM021780.D

Acq: 03 Aug 2019 18:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.220

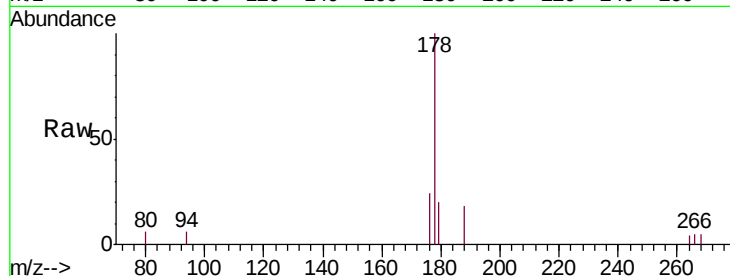
Tgt Ion:178 Resp: 2183

Ion Ratio Lower Upper

178 100

179 19.9 14.2 21.2

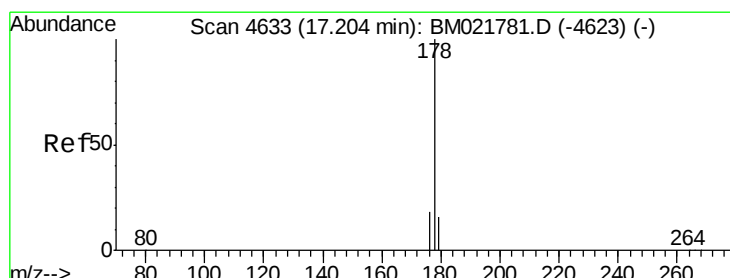
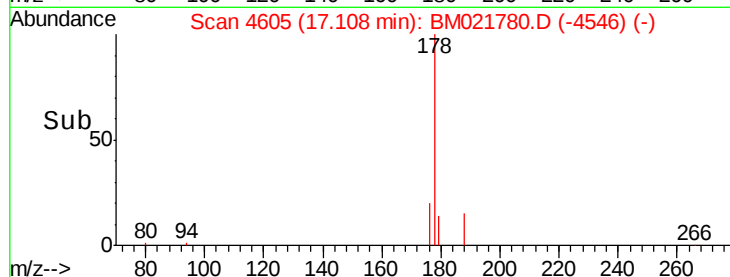
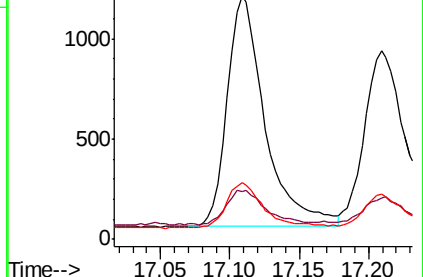
176 23.6 16.8 25.2



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: 0.187 ng/ul

RT: 17.21 min Scan# 4634

Delta R.T. 0.01 min

Lab File: BM021780.D

Acq: 03 Aug 2019 18:05

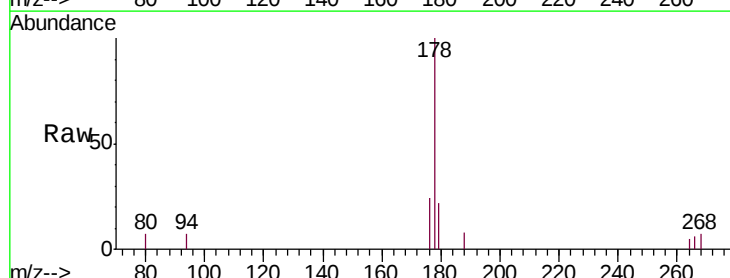
Tgt Ion:178 Resp: 1797

Ion Ratio Lower Upper

178 100

179 22.1 15.5 23.3

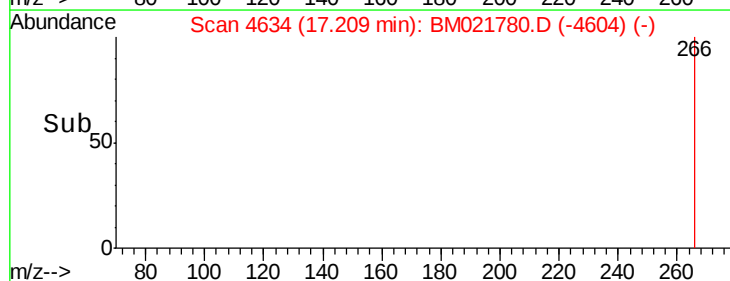
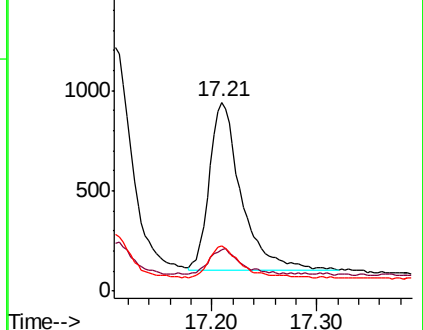
176 24.0 16.6 25.0

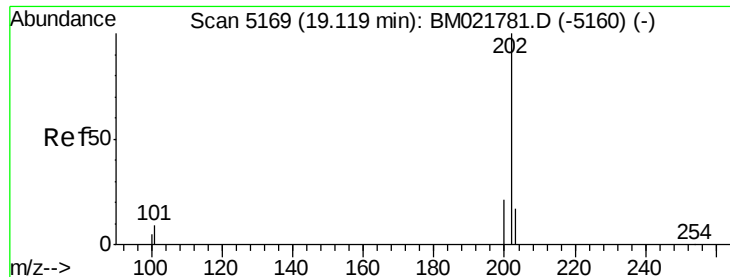


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.225 ng/ul

RT: 19.13 min Scan# 5170

Delta R.T. 0.01 min

Lab File: BM021780.D

Acq: 03 Aug 2019 18:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.220

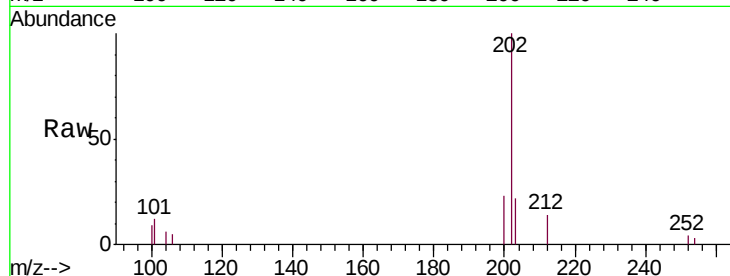
Tgt Ion:202 Resp: 2968

Ion Ratio Lower Upper

202 100

101 12.4 0.0 30.2

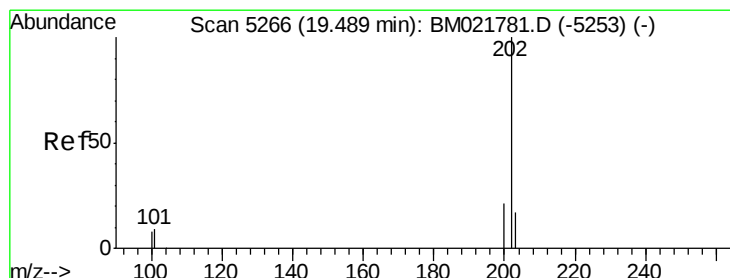
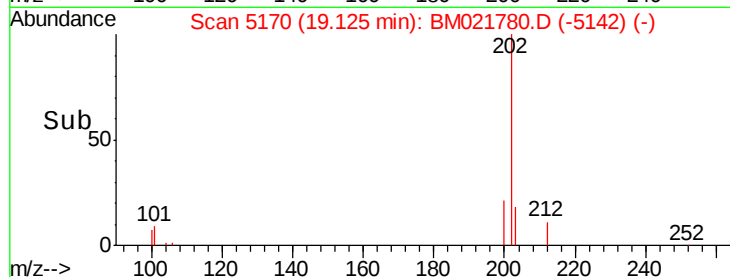
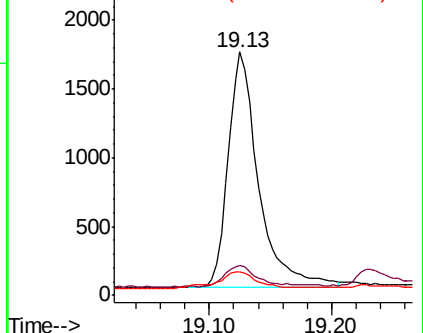
100 9.4 0.0 28.1



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: 0.190 ng/ul

RT: 19.49 min Scan# 5266

Delta R.T. 0.00 min

Lab File: BM021780.D

Acq: 03 Aug 2019 18:05

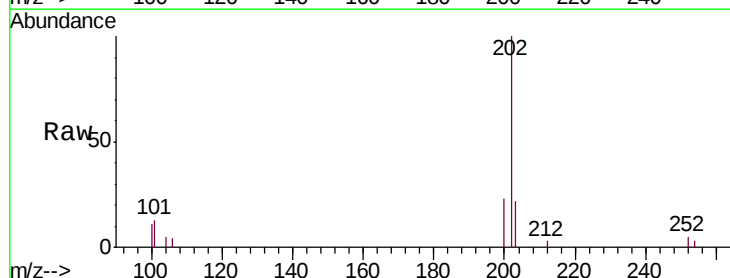
Tgt Ion:202 Resp: 3213

Ion Ratio Lower Upper

202 100

101 12.8 8.3 12.5#

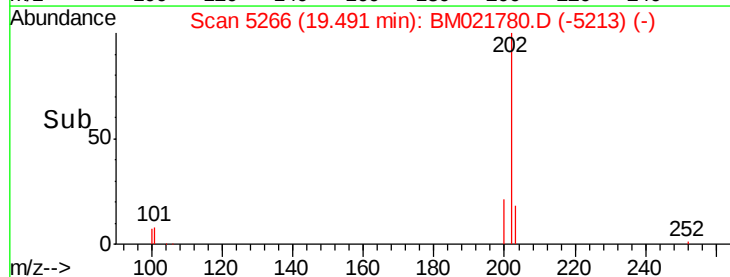
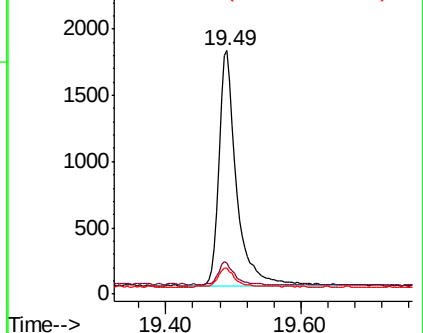
100 10.6 7.2 10.8

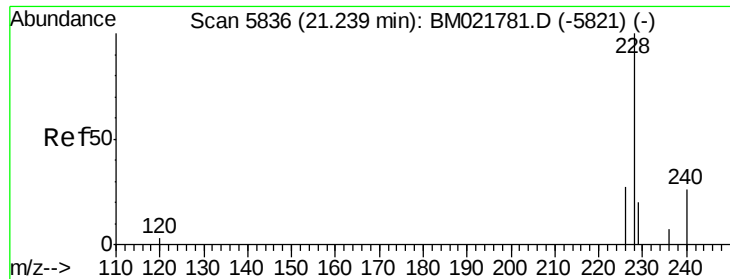


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.220 ng/ul

RT: 21.24 min Scan# 5837

Delta R.T. 0.00 min

Lab File: BM021780.D

Acq: 03 Aug 2019 18:05

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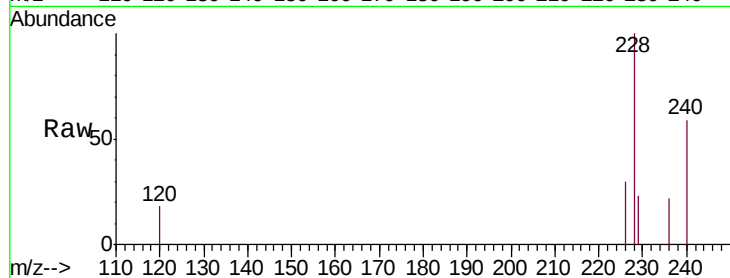
Tgt Ion:228 Resp: 2675

Ion Ratio Lower Upper

228 100

229 22.6 17.2 25.8

226 29.7 22.6 34.0

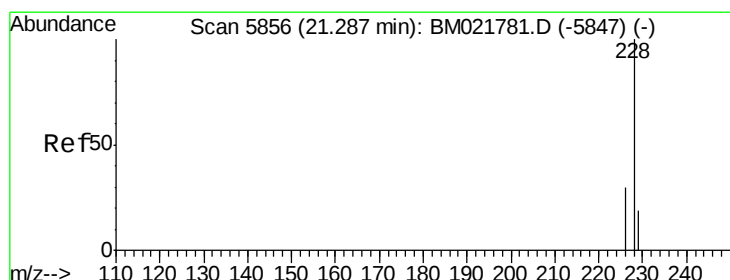
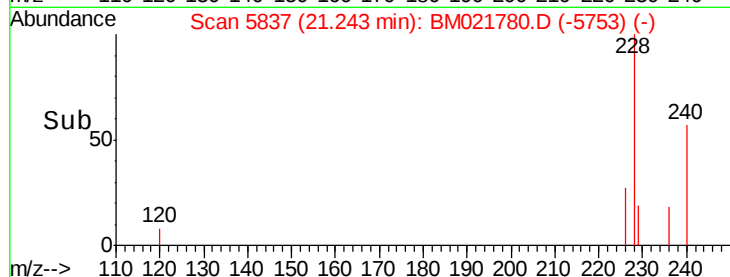
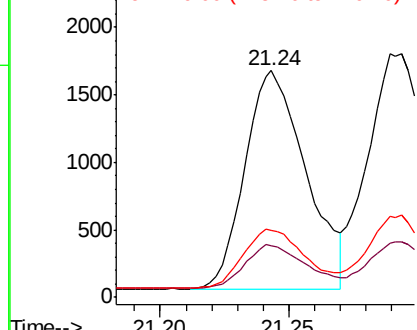


Abundance

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: 0.192 ng/ul

RT: 21.29 min Scan# 5856

Delta R.T. 0.00 min

Lab File: BM021780.D

Acq: 03 Aug 2019 18:05

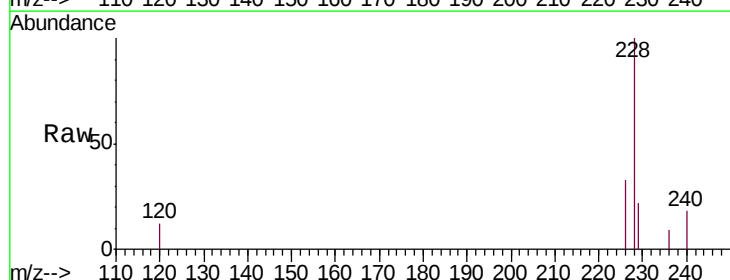
Tgt Ion:228 Resp: 3721

Ion Ratio Lower Upper

228 100

226 33.3 24.9 37.3

229 22.3 16.6 25.0

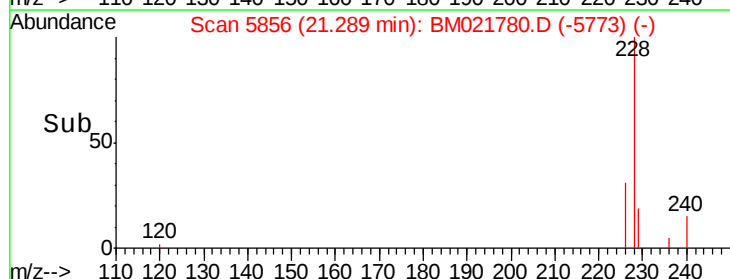
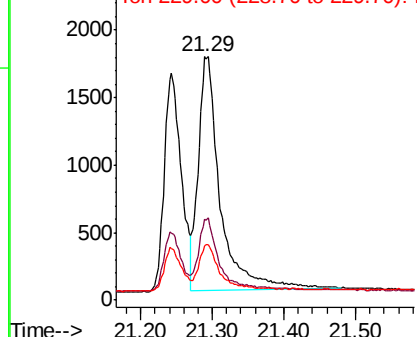


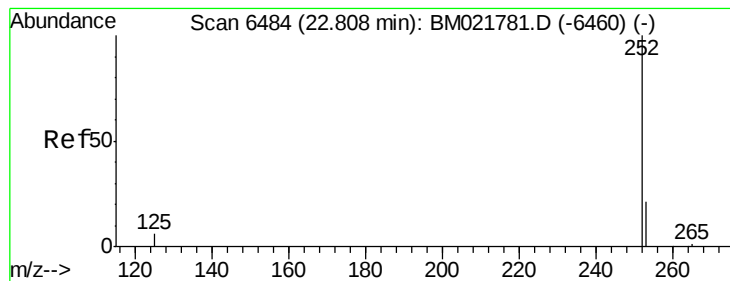
Abundance

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: 0.152 ng/ul

RT: 22.81 min Scan# 6484

Delta R.T. 0.00 min

Lab File: BM021780.D

Acq: 03 Aug 2019 18:05

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BNA_M

ClientSampleId :

SSTD0.220

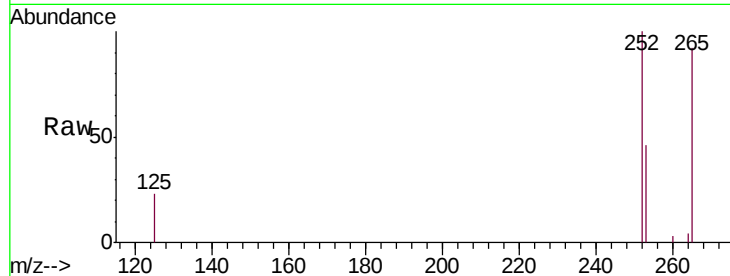
Tgt Ion:252 Resp: 3023

Ion Ratio Lower Upper

252 100

253 45.5 0.0 67.4

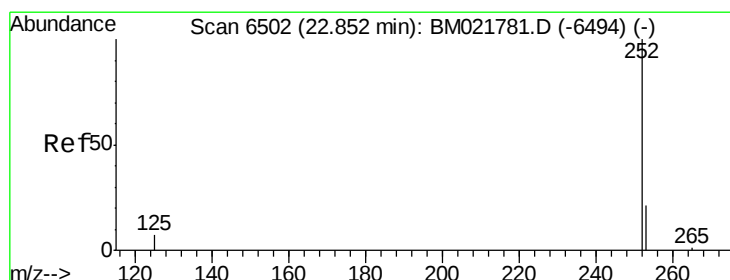
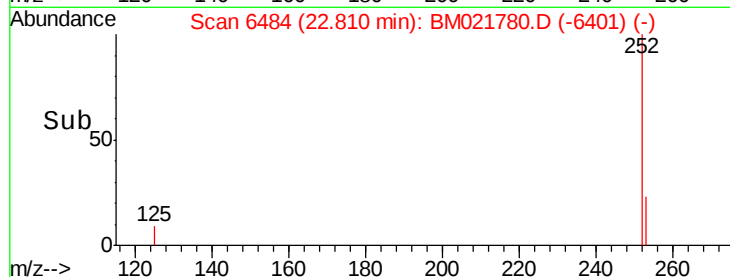
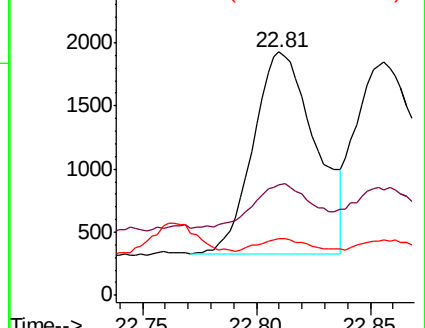
125 23.2 0.0 31.0



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: 0.170 ng/ul

RT: 22.86 min Scan# 6503

Delta R.T. 0.00 min

Lab File: BM021780.D

Acq: 03 Aug 2019 18:05

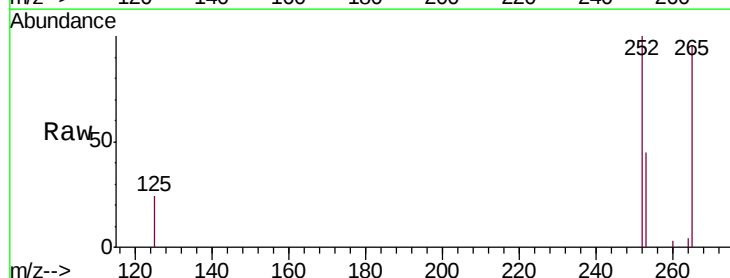
Tgt Ion:252 Resp: 3573

Ion Ratio Lower Upper

252 100

253 45.4 27.0 40.4#

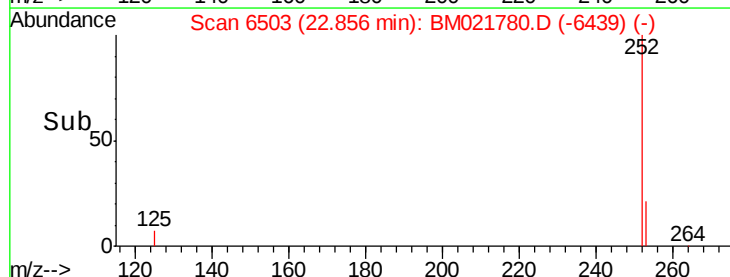
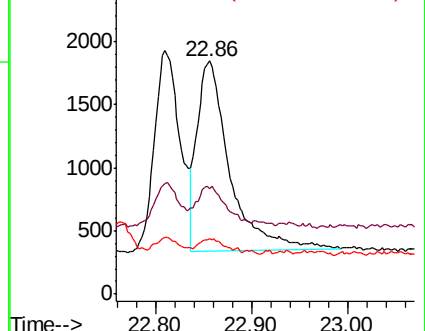
125 23.6 12.2 18.2#

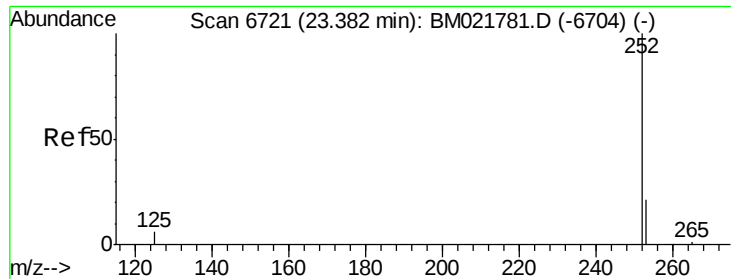


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.199 ng/u1

RT: 23.39 min Scan# 6722

Delta R.T. 0.00 min

Lab File: BM021780.D

Acq: 03 Aug 2019 18:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.220

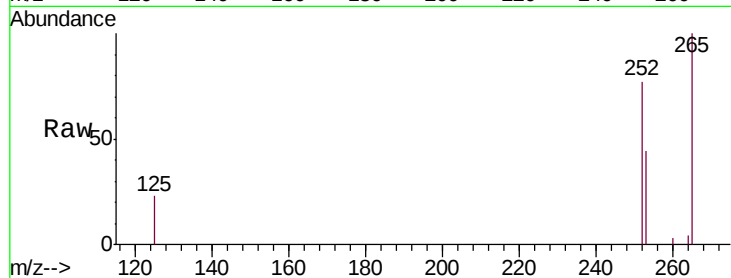
Tgt Ion:252 Resp: 3220

Ion Ratio Lower Upper

252 100

253 57.2 31.7 47.5#

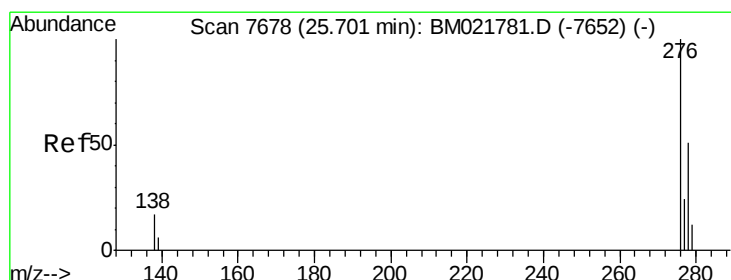
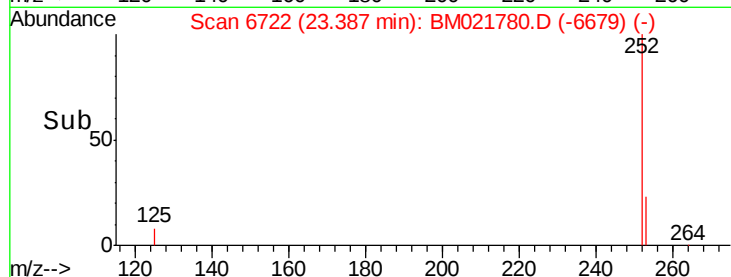
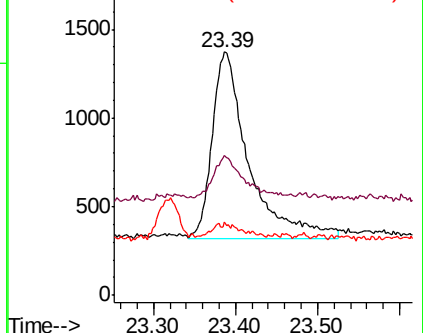
125 29.9 14.6 21.8#



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: 0.201 ng/u1

RT: 25.71 min Scan# 7682

Delta R.T. 0.01 min

Lab File: BM021780.D

Acq: 03 Aug 2019 18:05

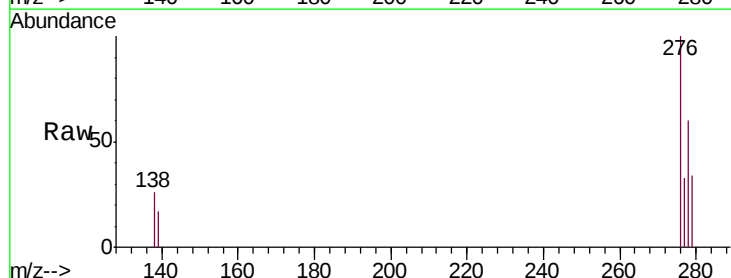
Tgt Ion:276 Resp: 3764

Ion Ratio Lower Upper

276 100

138 14.9 15.1 22.7#

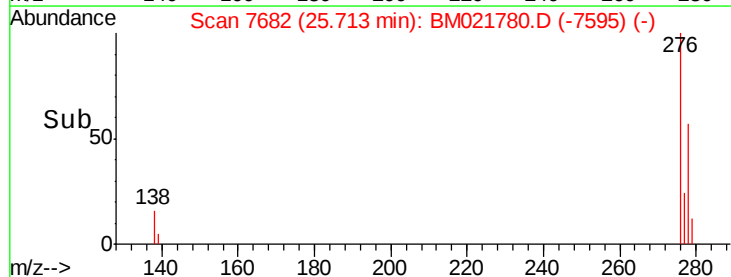
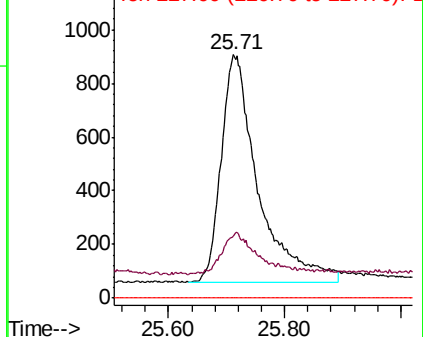
227 0.0 0.0 0.0

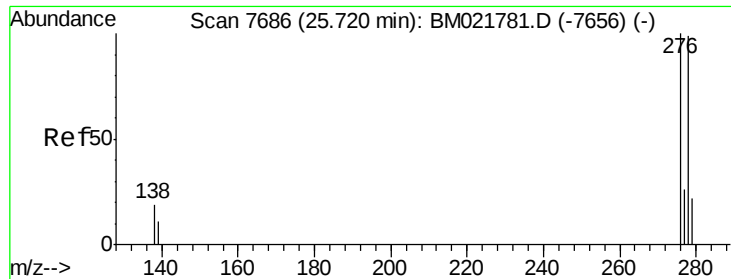


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

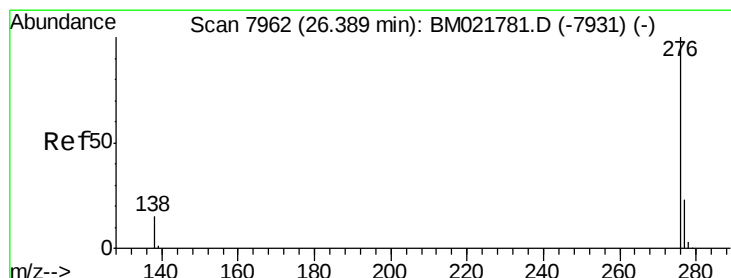
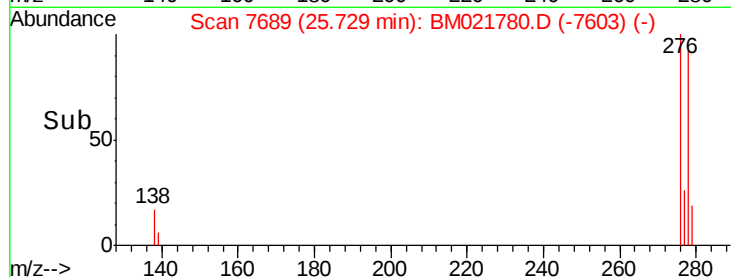
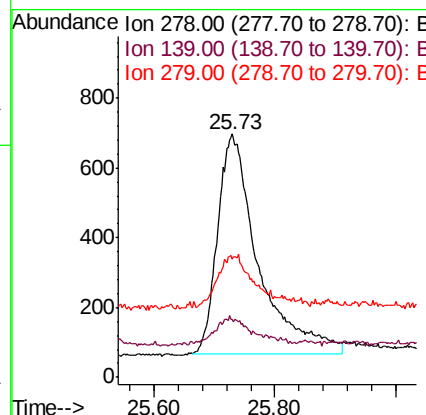
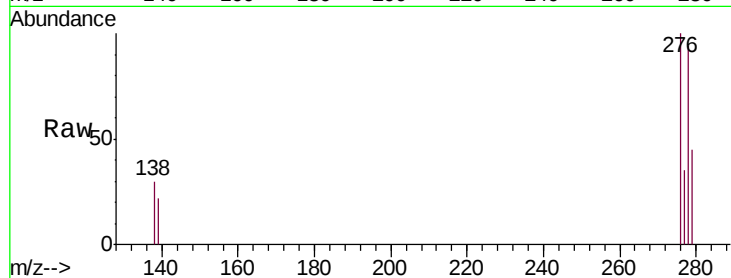




#25
Dibenzo(a,h)anthracene
Concen: 0.201 ng/ul
RT: 25.73 min Scan# 7689
Delta R.T. 0.01 min
Lab File: BM021780.D
Acq: 03 Aug 2019 18:05

Instrument :
BNA_M
ClientSampleId :
SSTD0.220

Tgt Ion: 278 Resp: 2952
Ion Ratio Lower Upper
278 100
139 23.6 14.2 21.2#
279 48.4 28.3 42.5#



#26
Benzo(g,h,i)perylene
Concen: 0.190 ng/ul
RT: 26.40 min Scan# 7965
Delta R.T. 0.01 min
Lab File: BM021780.D
Acq: 03 Aug 2019 18:05

Tgt Ion: 276 Resp: 3378
Ion Ratio Lower Upper
276 100
138 25.1 15.5 23.3#
277 30.7 21.4 32.2

