

Data File : BM021784.D
Acq On : 03 Aug 2019 20:31
Operator : HP/JU
Sample : SSTD3.224
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD3.224

Quant Time: Aug 03 22:38:50 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	7.64	152	752	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	2997	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.29	164	1640	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.05	188	3900	0.40	ng/ul	-0.02
16) Chrysene-d12	21.25	240	3979	0.40	ng/ul	0.00
20) Perylene-d12	23.47	264	4315	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	15558	3.75	ng/ul	-0.03
14) Fluoranthene-d10	19.08	212	39985	4.02	ng/ul	0.00

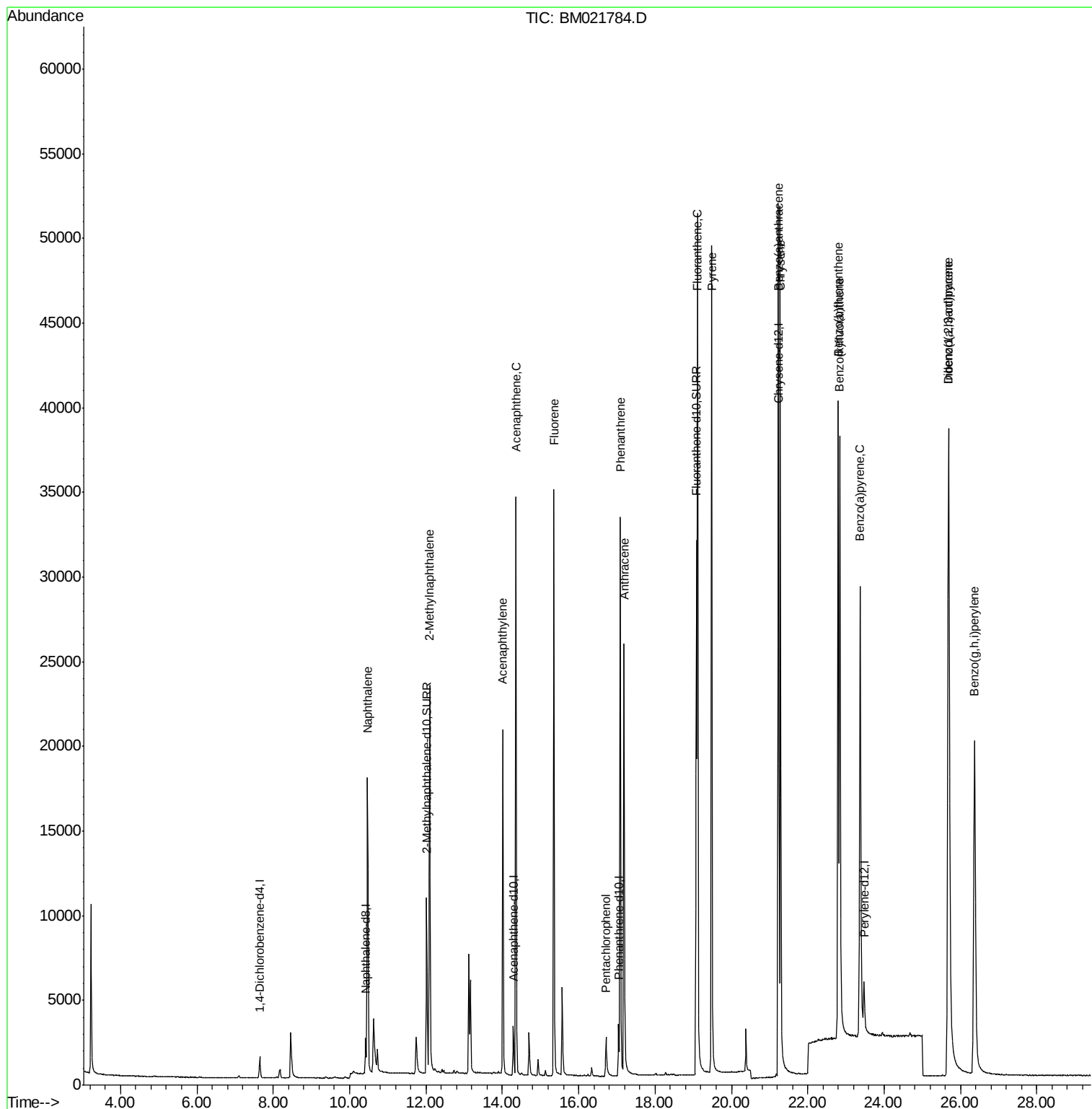
Target Compounds				Qvalue		
3) Naphthalene	10.47	128	25793	3.061	ng/ul#	92
5) 2-Methylnaphthalene	12.09	142	17940	3.599	ng/ul	98
7) Acenaphthylene	14.01	152	23098	2.823	ng/ul	93
8) Acenaphthene	14.35	153	19457	2.831	ng/ul	97
9) Fluorene	15.35	166	22229	3.052	ng/ul	97
11) Pentachlorophenol	16.71	266	2445	4.272	ng/ul	91
12) Phenanthrene	17.09	178	36222	2.837	ng/ul	96
13) Anthracene	17.18	178	33198	3.340	ng/ul	94
15) Fluoranthene	19.11	202	46989	3.450	ng/ul	95
17) Pyrene	19.48	202	47905	2.743	ng/ul	99
18) Benzo(a)anthracene	21.23	228	46104	3.668	ng/ul	97
19) Chrysene	21.28	228	51597	2.580	ng/ul	98
21) Benzo(b)fluoranthene	22.79	252	48462	2.595	ng/ul	82
22) Benzo(k)fluoranthene	22.84	252	52225	2.652	ng/ul#	82
23) Benzo(a)pyrene	23.37	252	46848	3.084	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	25.68	276	56957	3.249	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.70	278	46121	3.353	ng/ul#	84
26) Benzo(g,h,i)perylene	26.36	276	50037	3.005	ng/ul	95

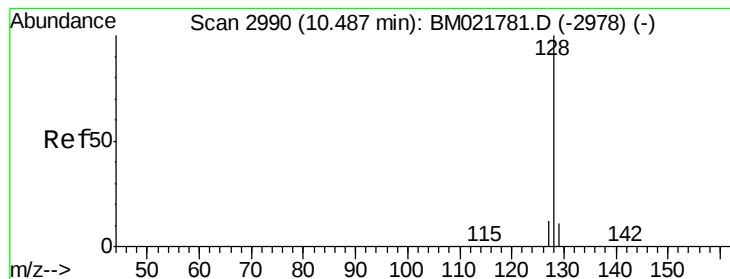
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 3.061 ng/ul

RT: 10.47 min Scan# 2986

Delta R.T. -0.02 min

Lab File: BM021784.D

Acq: 03 Aug 2019 20:31

Instrument :

BNA_M

ClientSampleId :

SSTD3.224

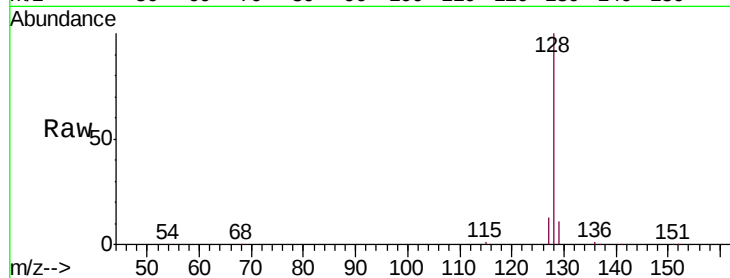
Tgt Ion:128 Resp: 25793

Ion Ratio Lower Upper

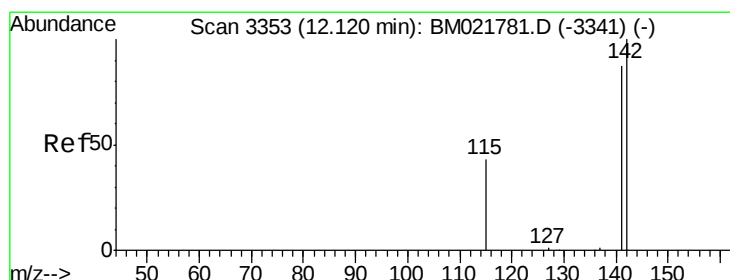
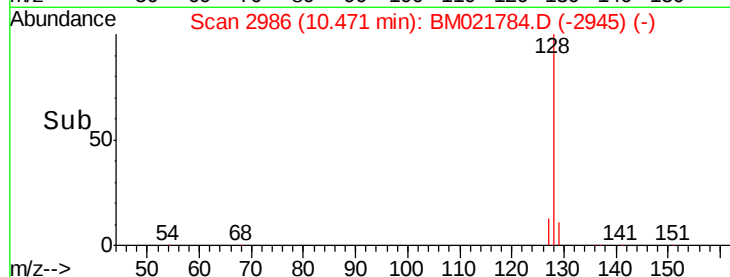
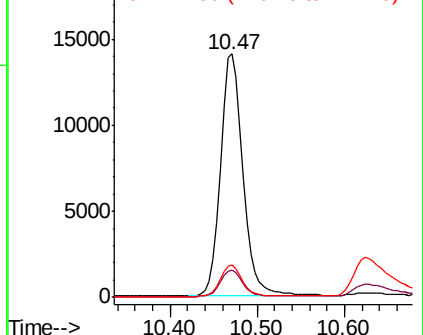
128 100

129 11.3 12.3 18.5#

127 13.3 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: 3.599 ng/ul

RT: 12.09 min Scan# 3347

Delta R.T. -0.03 min

Lab File: BM021784.D

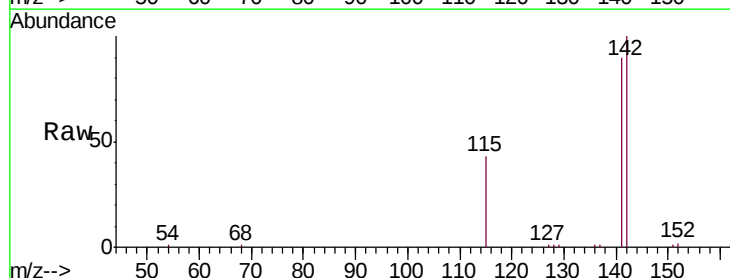
Acq: 03 Aug 2019 20:31

Tgt Ion:142 Resp: 17940

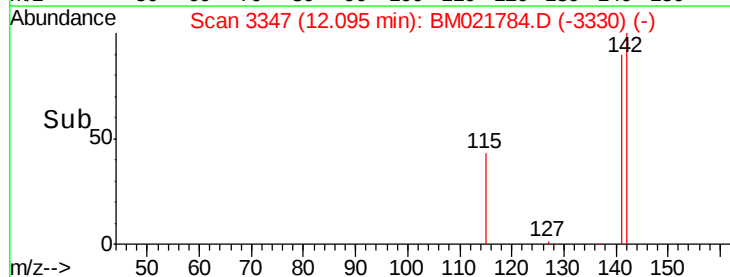
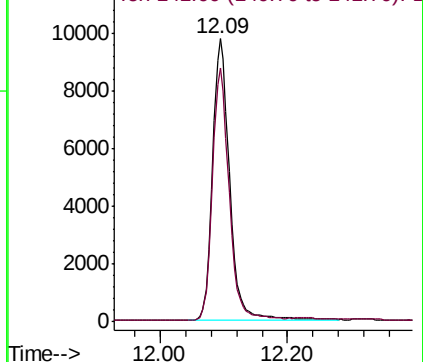
Ion Ratio Lower Upper

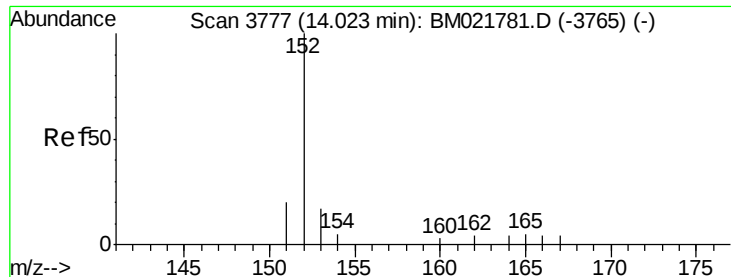
142 100

141 90.6 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: 2.823 ng/ul

RT: 14.01 min Scan# 3774

Delta R.T. -0.01 min

Lab File: BM021784.D

Acq: 03 Aug 2019 20:31

Instrument :

BNA_M

ClientSampleId :

SSTD3.224

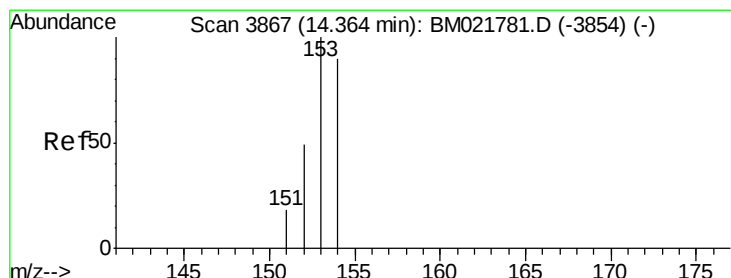
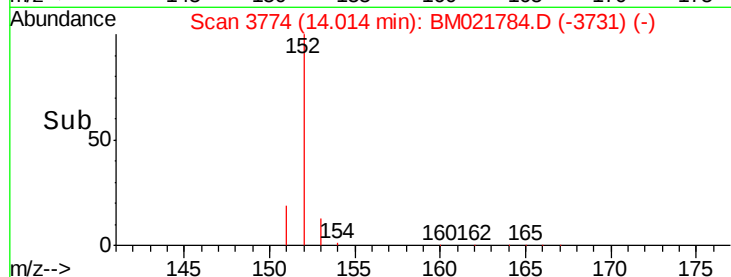
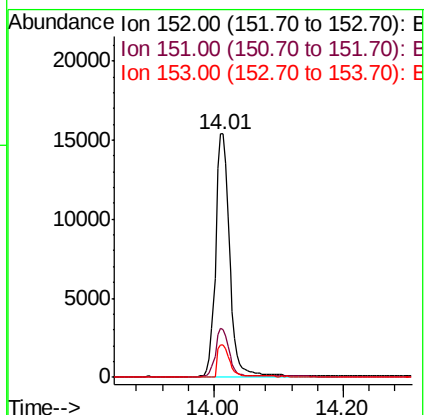
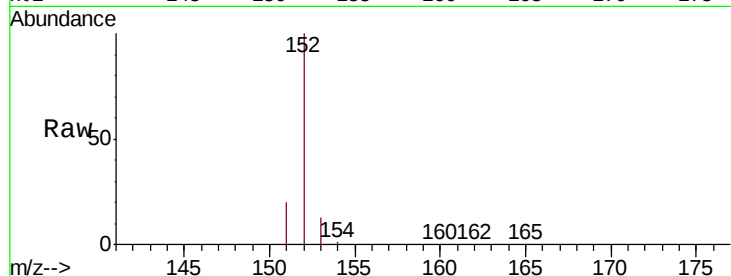
Tgt Ion:152 Resp: 23098

Ion Ratio Lower Upper

152 100

151 19.6 18.3 27.5

153 13.4 12.8 19.2



#8

Acenaphthene

Concen: 2.831 ng/ul

RT: 14.35 min Scan# 3864

Delta R.T. -0.01 min

Lab File: BM021784.D

Acq: 03 Aug 2019 20:31

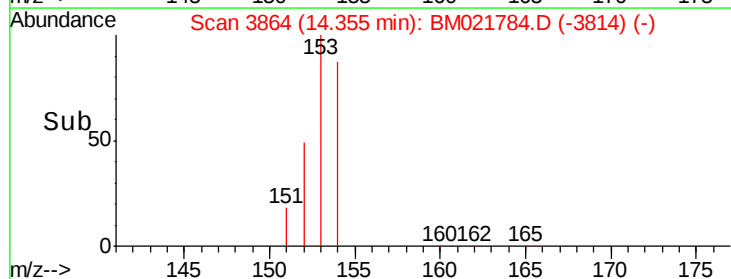
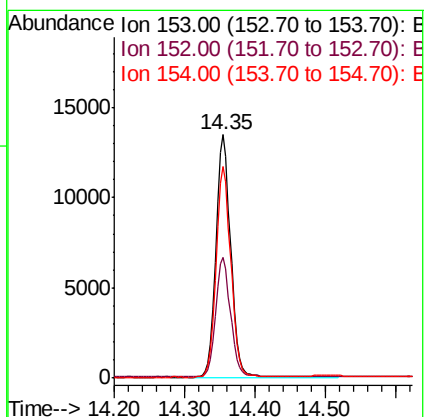
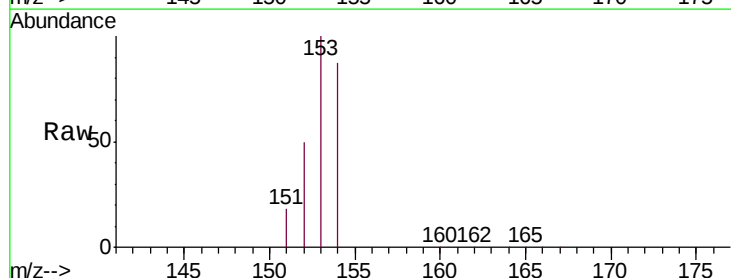
Tgt Ion:153 Resp: 19457

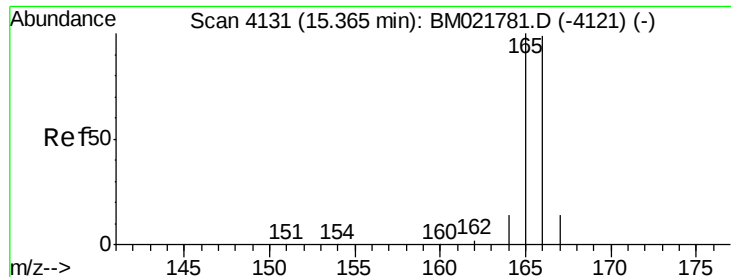
Ion Ratio Lower Upper

153 100

152 49.6 41.3 61.9

154 87.2 72.3 108.5





#9

Fluorene

Concen: 3.052 ng/ul

RT: 15.35 min Scan# 4126

Delta R.T. -0.02 min

Lab File: BM021784.D

Acq: 03 Aug 2019 20:31

Instrument :

BNA_M

ClientSampleId :

SSTD3.224

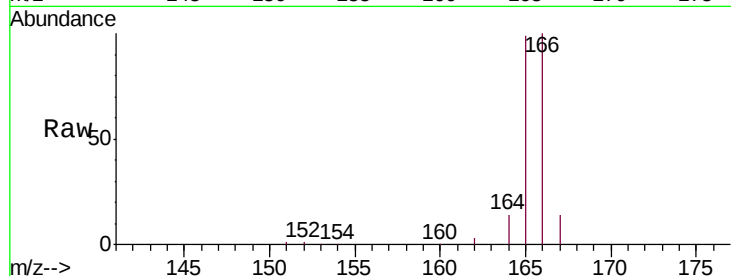
Tgt Ion:166 Resp: 22229

Ion Ratio Lower Upper

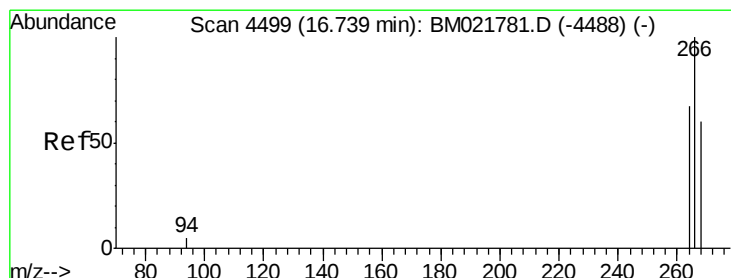
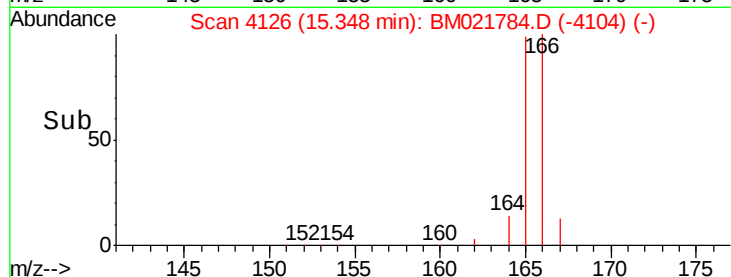
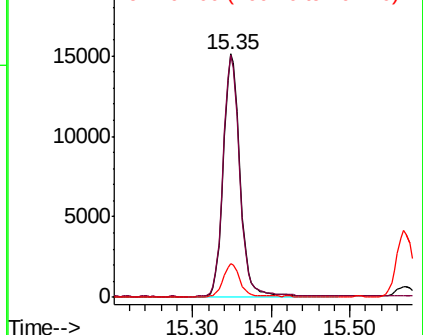
166 100

165 99.3 81.4 122.0

167 13.8 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: 4.272 ng/ul

RT: 16.71 min Scan# 4491

Delta R.T. -0.03 min

Lab File: BM021784.D

Acq: 03 Aug 2019 20:31

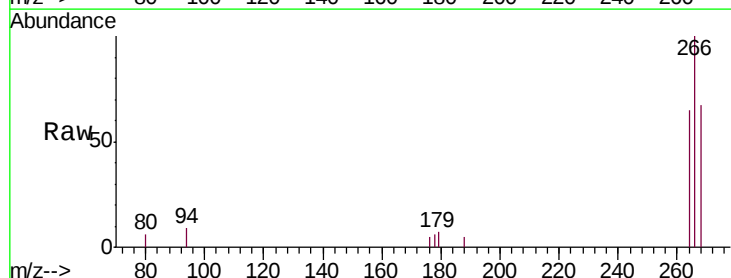
Tgt Ion:266 Resp: 2445

Ion Ratio Lower Upper

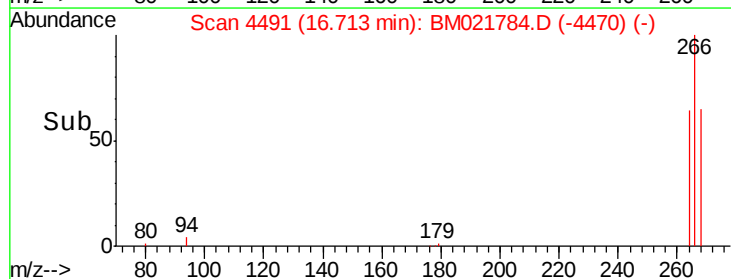
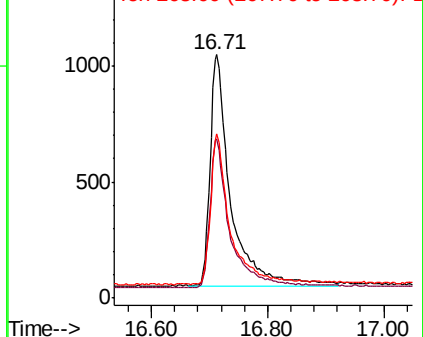
266 100

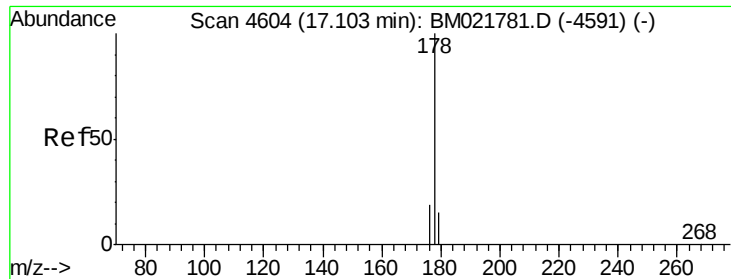
264 62.2 54.2 81.2

268 62.0 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: 2.837 ng/ul

RT: 17.09 min Scan# 4599

Delta R.T. -0.02 min

Lab File: BM021784.D

Acq: 03 Aug 2019 20:31

Instrument :

BNA_M

ClientSampleId :

SSTD3.224

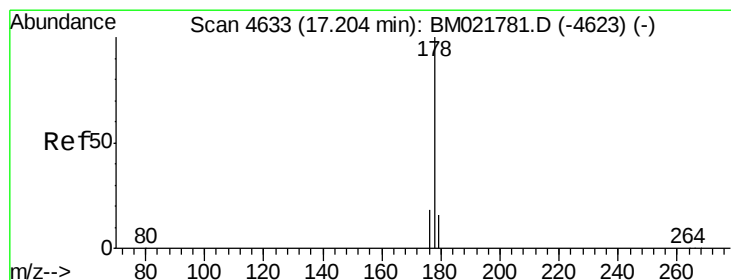
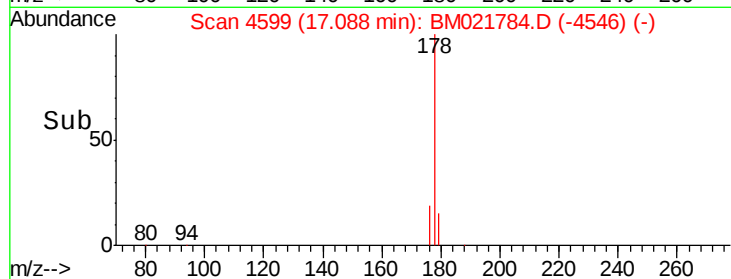
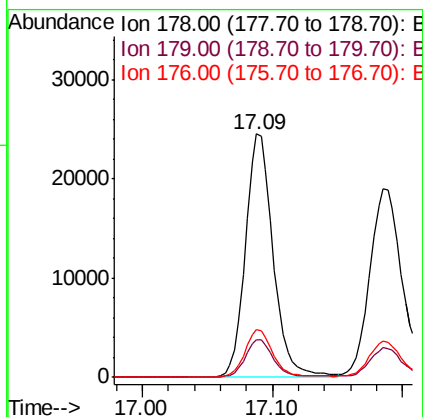
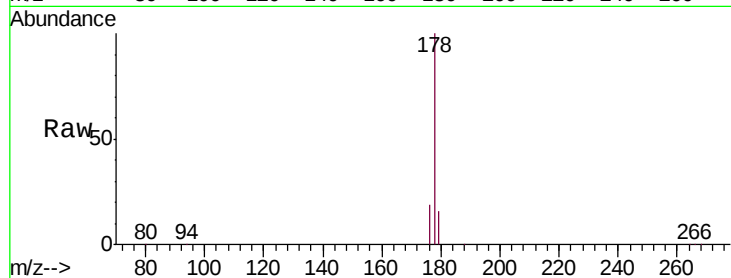
Tgt Ion:178 Resp: 36222

Ion Ratio Lower Upper

178 100

179 15.6 14.2 21.2

176 19.4 16.8 25.2



#13

Anthracene

Concen: 3.340 ng/ul

RT: 17.18 min Scan# 4627

Delta R.T. -0.02 min

Lab File: BM021784.D

Acq: 03 Aug 2019 20:31

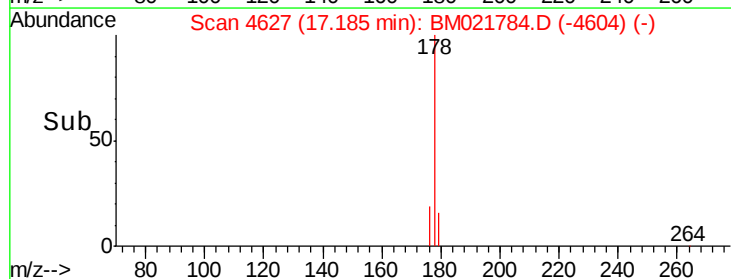
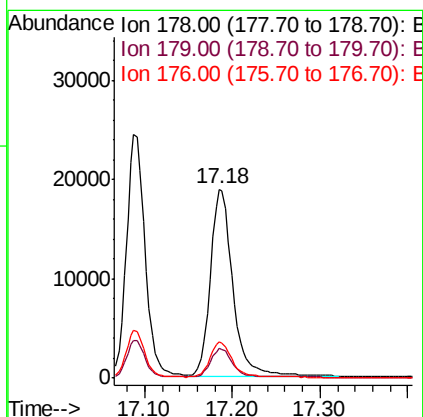
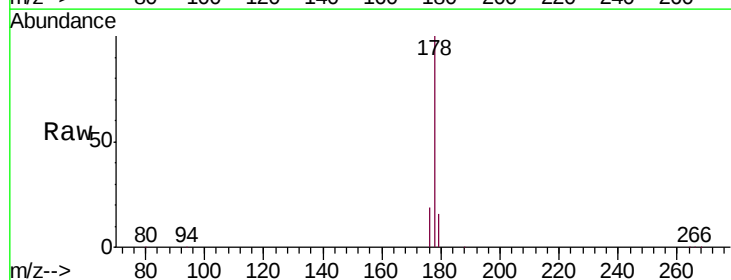
Tgt Ion:178 Resp: 33198

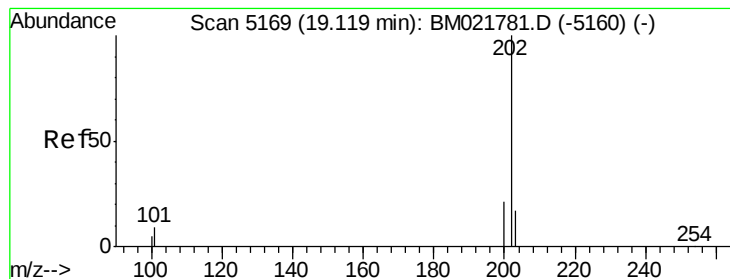
Ion Ratio Lower Upper

178 100

179 15.7 15.5 23.3

176 19.1 16.6 25.0





#15

Fluoranthene

Concen: 3.450 ng/ul

RT: 19.11 min Scan# 5167

Delta R.T. -0.01 min

Lab File: BM021784.D

Acq: 03 Aug 2019 20:31

Instrument :

BNA_M

ClientSampleId :

SSTD3.224

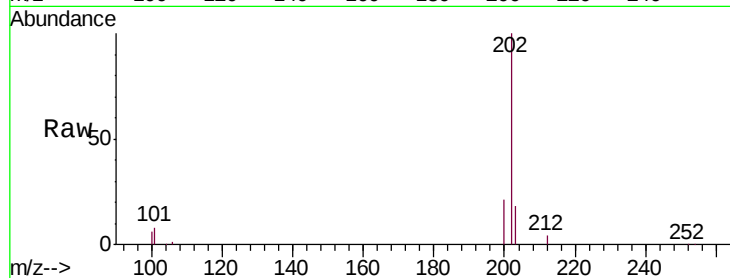
Tgt Ion:202 Resp: 46989

Ion Ratio Lower Upper

202 100

101 8.5 0.0 30.2

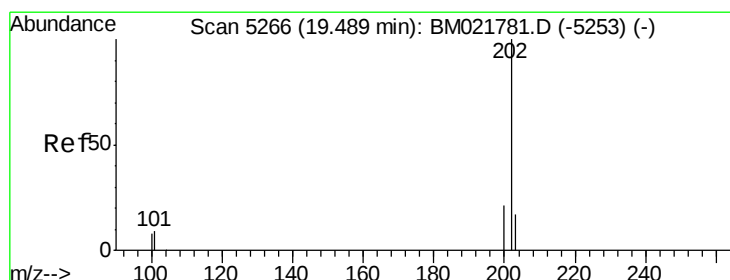
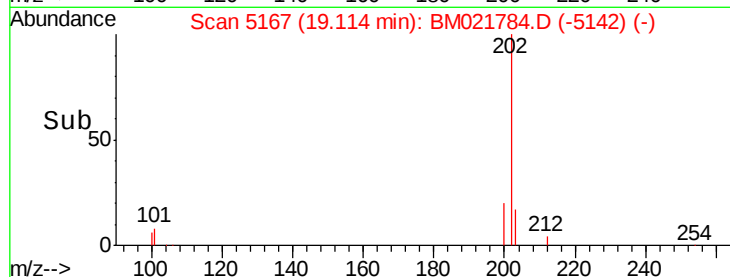
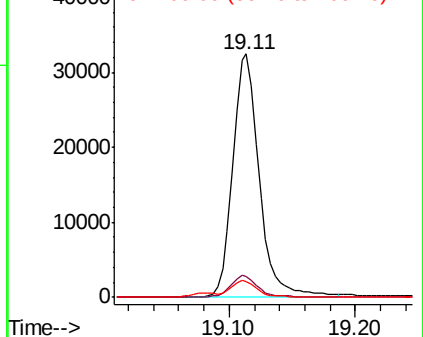
100 6.5 0.0 28.1



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: 2.743 ng/ul

RT: 19.48 min Scan# 5263

Delta R.T. -0.01 min

Lab File: BM021784.D

Acq: 03 Aug 2019 20:31

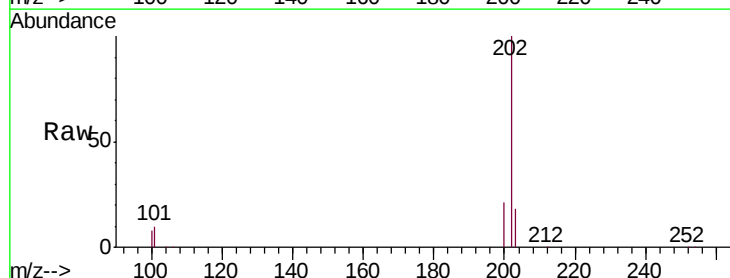
Tgt Ion:202 Resp: 47905

Ion Ratio Lower Upper

202 100

101 10.4 8.3 12.5

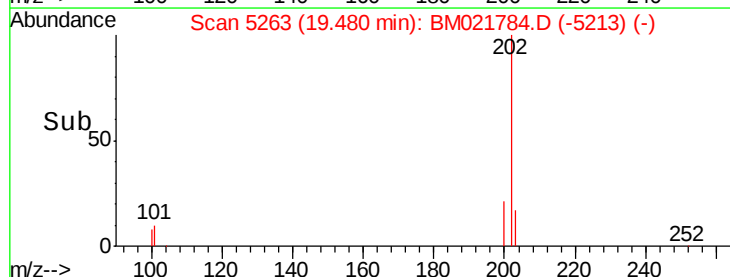
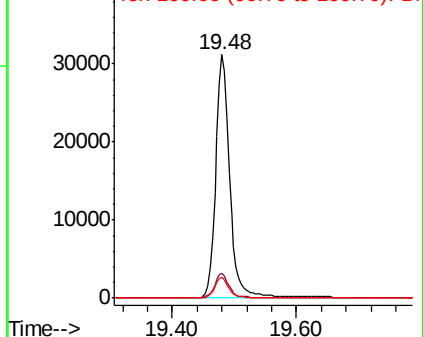
100 8.5 7.2 10.8

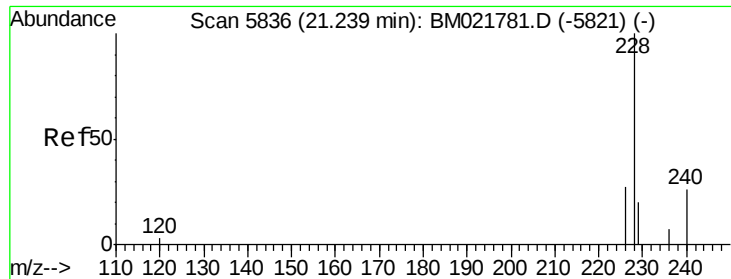


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 3.668 ng/ul

RT: 21.23 min Scan# 5831

Delta R.T. -0.01 min

Lab File: BM021784.D

Acq: 03 Aug 2019 20:31

Instrument :

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ClientSampleId :

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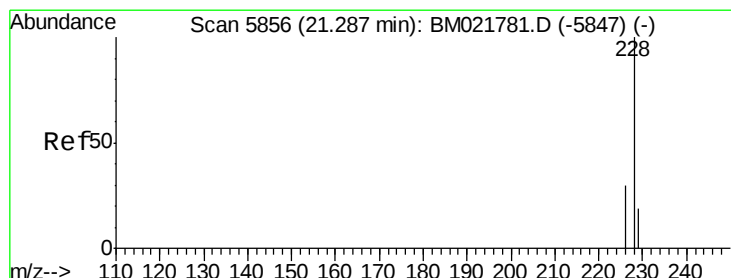
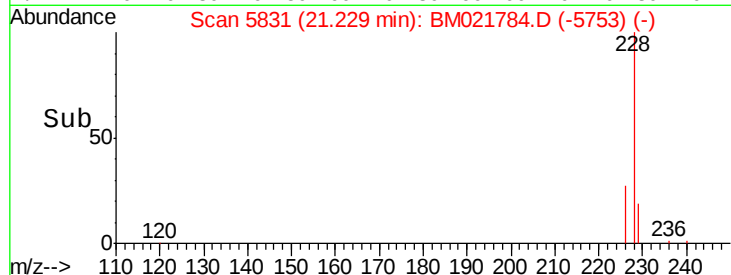
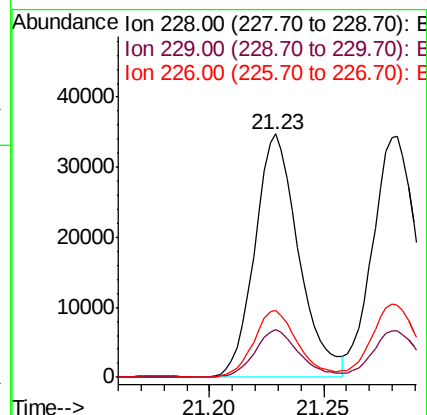
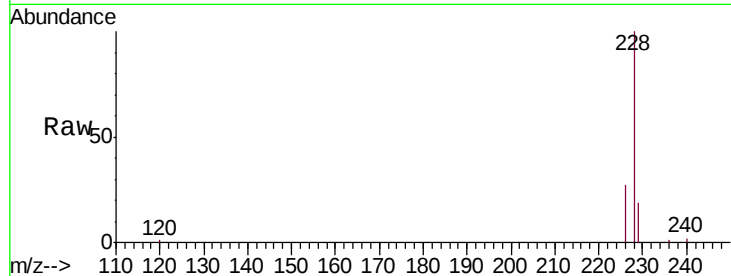
Tgt Ion:228 Resp: 46104

Ion Ratio Lower Upper

228 100

229 19.4 17.2 25.8

226 27.3 22.6 34.0



#19

Chrysene

Concen: 2.580 ng/ul

RT: 21.28 min Scan# 5853

Delta R.T. -0.01 min

Lab File: BM021784.D

Acq: 03 Aug 2019 20:31

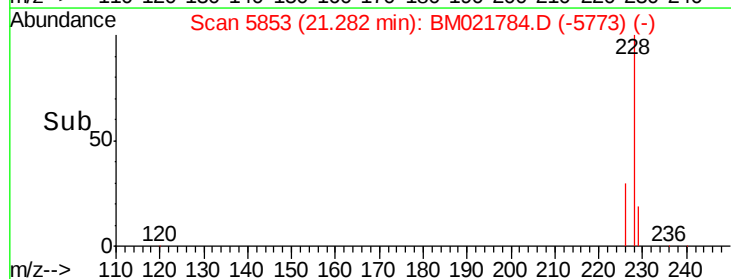
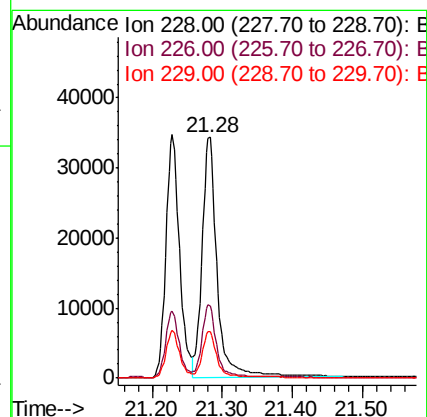
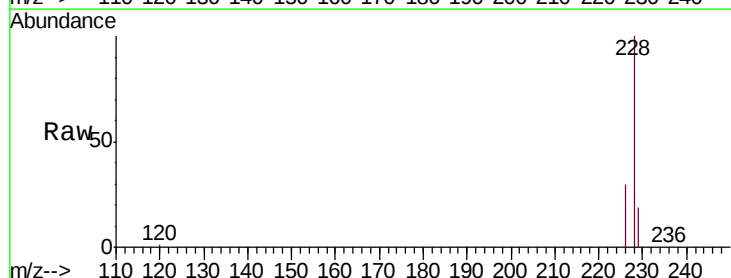
Tgt Ion:228 Resp: 51597

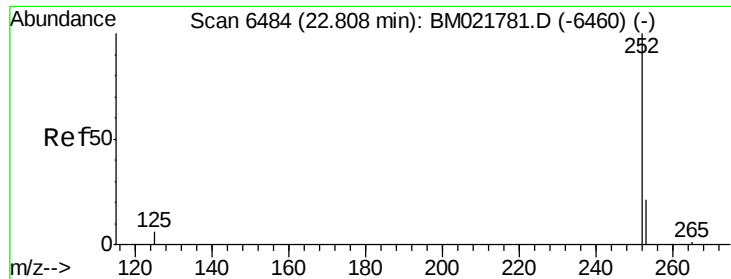
Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

229 19.4 16.6 25.0





#21

Benzo(b)fluoranthene

Concen: 2.595 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.01 min

Lab File: BM021784.D

Acq: 03 Aug 2019 20:31

Instrument :

BNA_M

ClientSampleId :

SSTD3.224

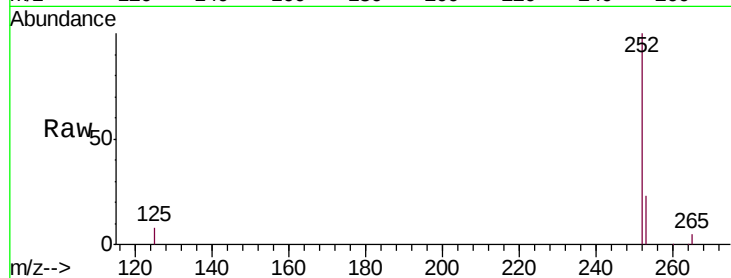
Tgt Ion:252 Resp: 48462

Ion Ratio Lower Upper

252 100

253 23.2 0.0 67.4

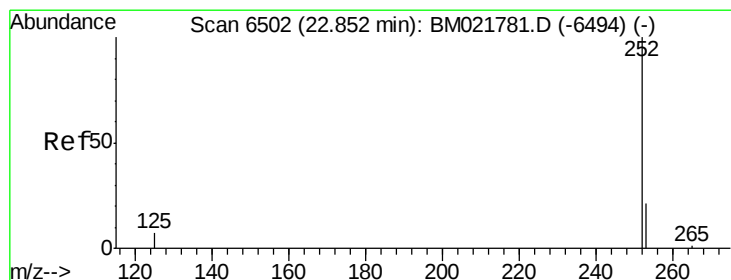
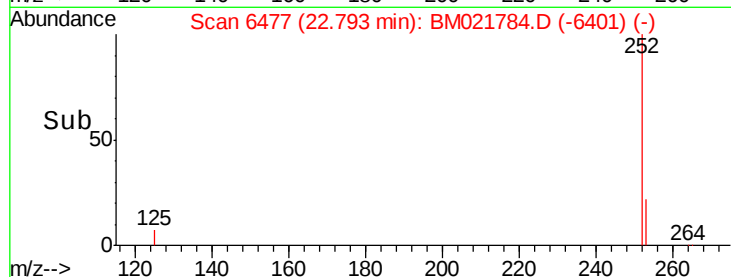
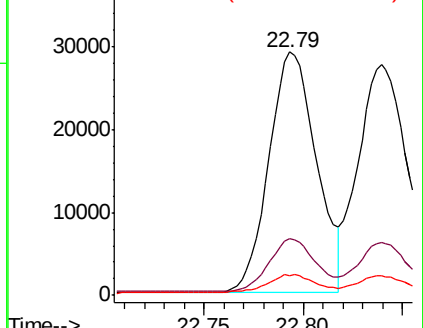
125 8.3 0.0 31.0



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: 2.652 ng/ul

RT: 22.84 min Scan# 6496

Delta R.T. -0.01 min

Lab File: BM021784.D

Acq: 03 Aug 2019 20:31

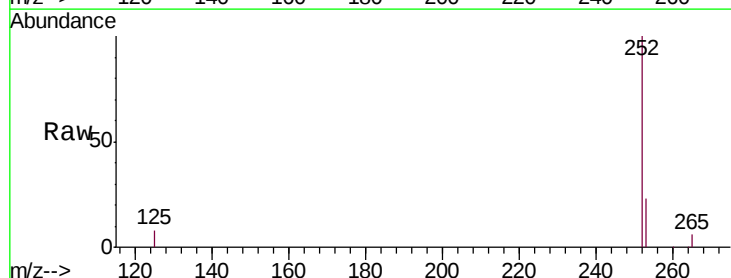
Tgt Ion:252 Resp: 52225

Ion Ratio Lower Upper

252 100

253 23.0 27.0 40.4#

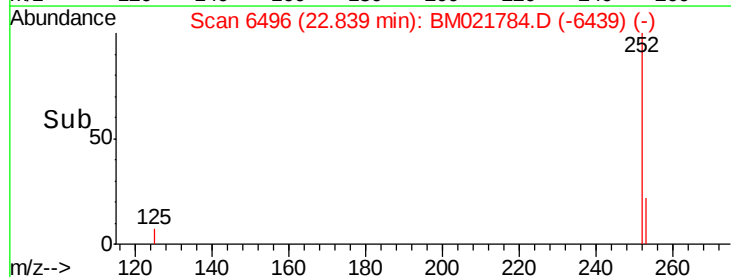
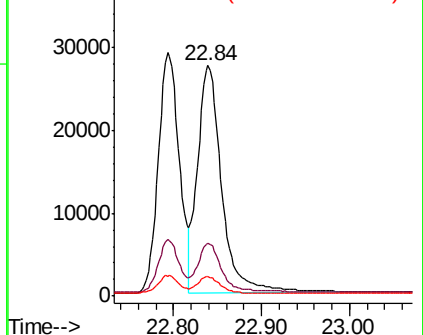
125 8.4 12.2 18.2#

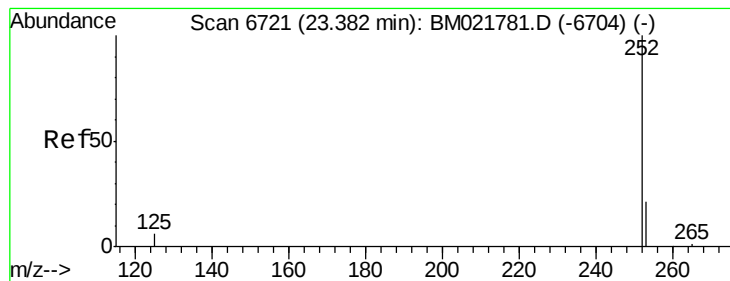


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 3.084 ng/ul

RT: 23.37 min Scan# 6715

Delta R.T. -0.01 min

Lab File: BM021784.D

Acq: 03 Aug 2019 20:31

Instrument :

BNA_M

ClientSampleId :

SSTD3.224

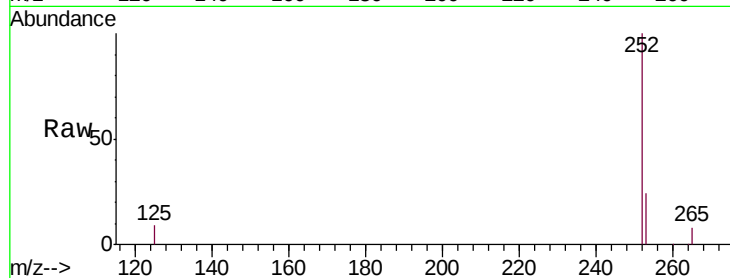
Tgt Ion:252 Resp: 46848

Ion Ratio Lower Upper

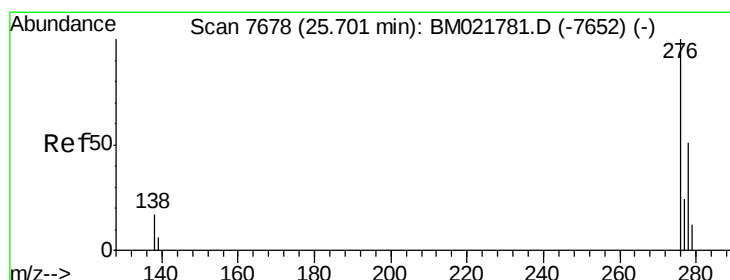
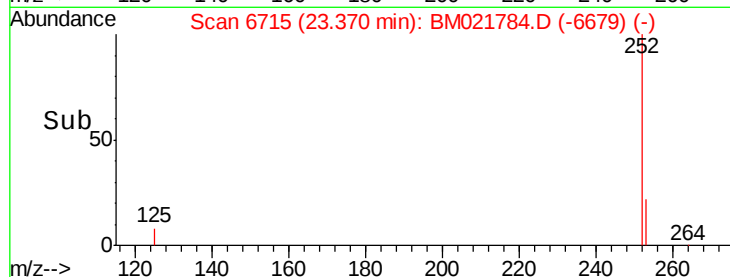
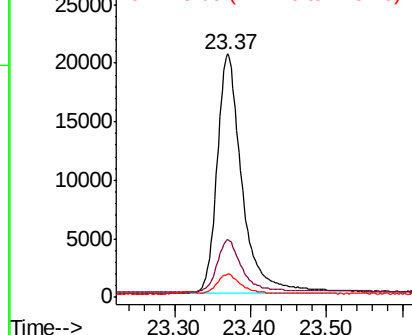
252 100

253 23.9 31.7 47.5#

125 9.5 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: 3.249 ng/ul

RT: 25.68 min Scan# 7669

Delta R.T. -0.02 min

Lab File: BM021784.D

Acq: 03 Aug 2019 20:31

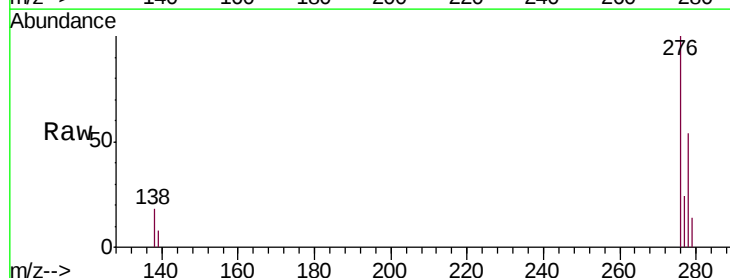
Tgt Ion:276 Resp: 56957

Ion Ratio Lower Upper

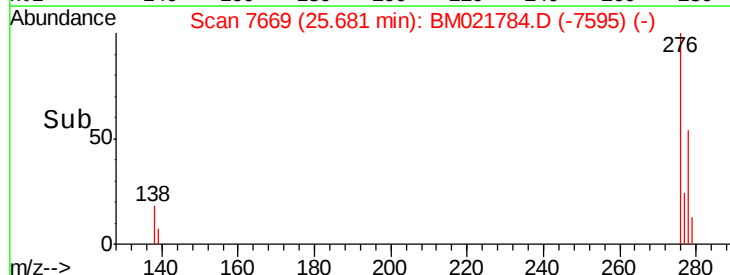
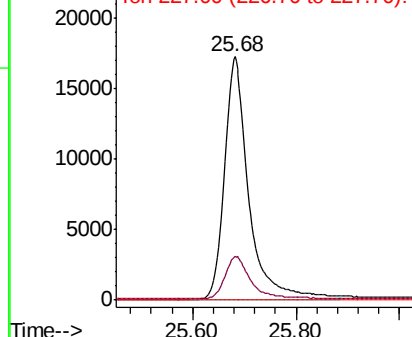
276 100

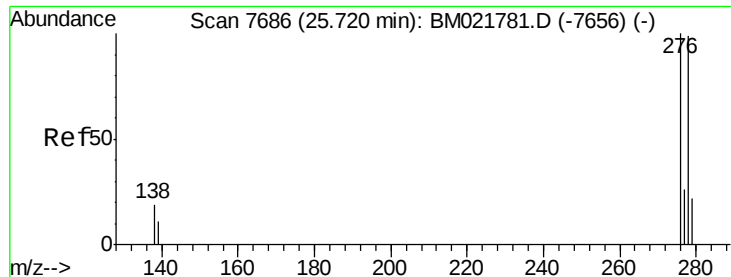
138 19.0 15.1 22.7

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: 3.353 ng/ul

RT: 25.70 min Scan# 7675

Delta R.T. -0.02 min

Lab File: BM021784.D

Acq: 03 Aug 2019 20:31

Instrument :

BNA_M

ClientSampleId :

SSTD3.224

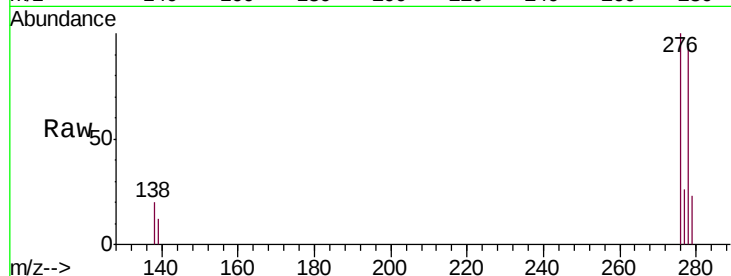
Tgt Ion:278 Resp: 46121

Ion Ratio Lower Upper

278 100

139 13.1 14.2 21.2#

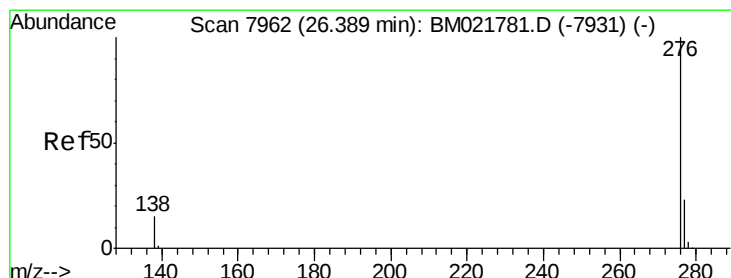
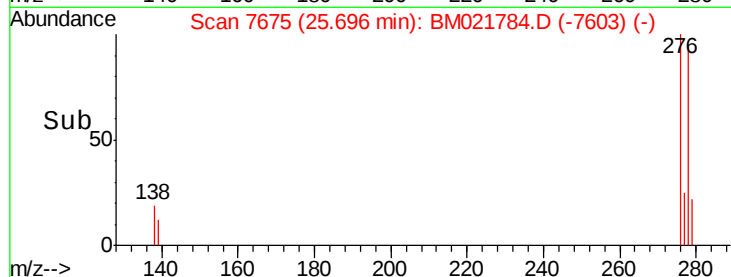
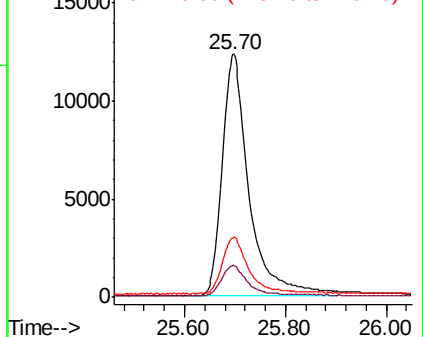
279 24.2 28.3 42.5#



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: 3.005 ng/ul

RT: 26.36 min Scan# 7951

Delta R.T. -0.02 min

Lab File: BM021784.D

Acq: 03 Aug 2019 20:31

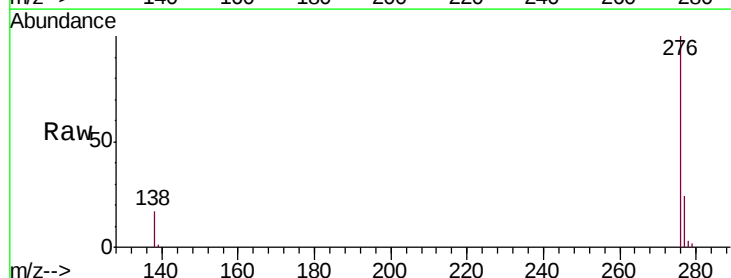
Tgt Ion:276 Resp: 50037

Ion Ratio Lower Upper

276 100

138 17.1 15.5 23.3

277 24.0 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

