

Data File : BM021781.D
Acq On : 03 Aug 2019 18:42
Operator : HP/JU
Sample : SST0.421
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.421

Quant Time: Aug 03 22:38:18 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	712	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	2889	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	1612	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.06	188	3790	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	3811	0.40	ng/ul	0.00
20) Perylene-d12	23.48	264	4349	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	1875	0.47	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	5221	0.54	ng/ul	0.00

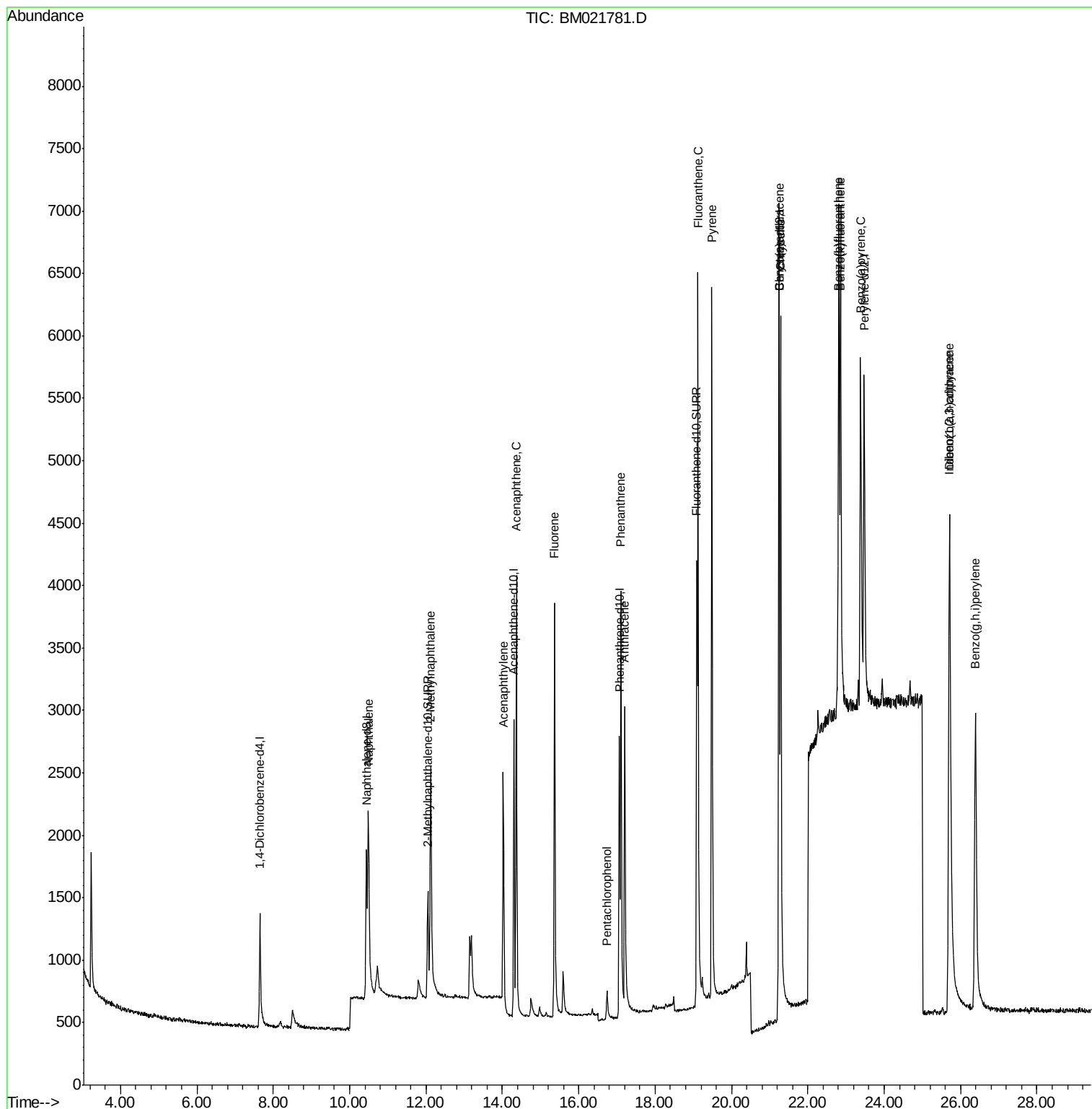
Target Compounds				Qvalue		
3) Naphthalene	10.49	128	3257	0.401	ng/ul	100
5) 2-Methylnaphthalene	12.12	142	2167	0.451	ng/ul	100
7) Acenaphthylene	14.02	152	3078	0.383	ng/ul	100
8) Acenaphthene	14.36	153	2474	0.366	ng/ul	100
9) Fluorene	15.37	166	2780	0.388	ng/ul	100
11) Pentachlorophenol	16.74	266	254	0.457	ng/ul	100
12) Phenanthrene	17.10	178	4454	0.359	ng/ul	100
13) Anthracene	17.20	178	3767	0.390	ng/ul	100
15) Fluoranthene	19.12	202	5932	0.448	ng/ul	100
17) Pyrene	19.49	202	6379	0.381	ng/ul	100
18) Benzo(a)anthracene	21.24	228	5521	0.459	ng/ul	100
19) Chrysene	21.29	228	7017	0.366	ng/ul	100
21) Benzo(b)fluoranthene	22.81	252	6040	0.321	ng/ul	100
22) Benzo(k)fluoranthene	22.85	252	6754	0.340	ng/ul	100
23) Benzo(a)pyrene	23.38	252	5994	0.392	ng/ul	100
24) Indeno(1,2,3-cd)pyrene	25.70	276	7201	0.408	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.72	278	5811	0.419	ng/ul	100
26) Benzo(g,h,i)perylene	26.39	276	6578	0.392	ng/ul	100

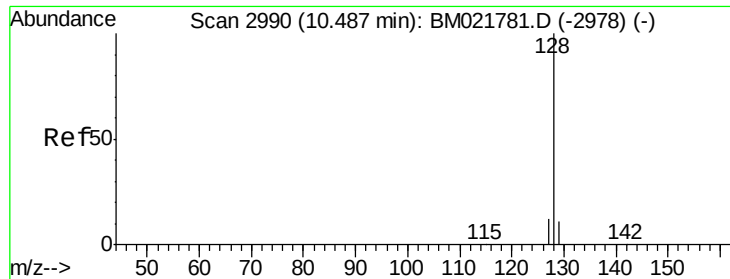
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.401 ng/ul

RT: 10.49 min Scan# 2990

Delta R.T. 0.00 min

Lab File: BM021781.D

Acq: 03 Aug 2019 18:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.421

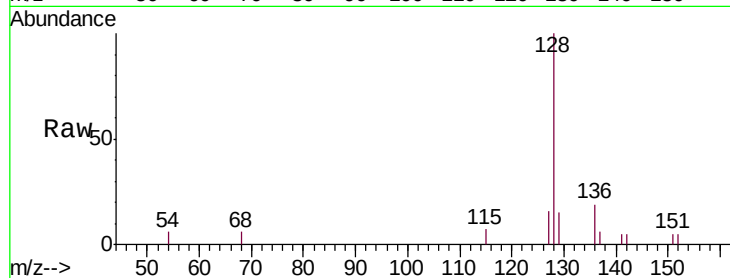
Tgt Ion:128 Resp: 3257

Ion Ratio Lower Upper

128 100

129 15.4 12.3 18.5

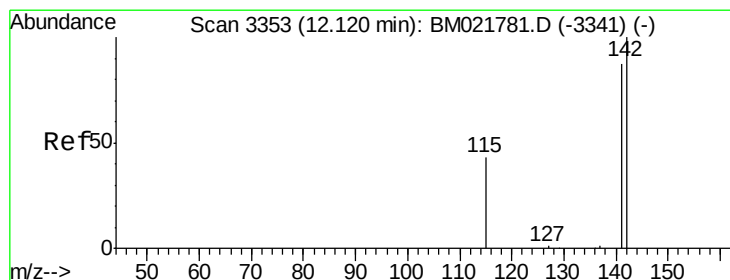
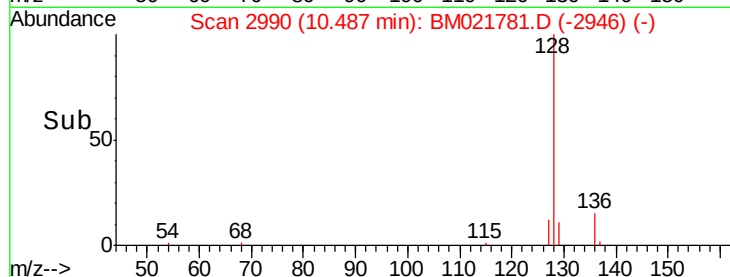
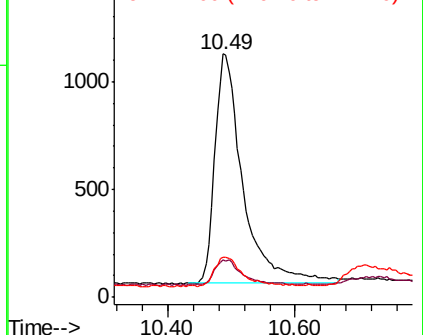
127 16.3 13.0 19.6



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: 0.451 ng/ul

RT: 12.12 min Scan# 3353

Delta R.T. 0.00 min

Lab File: BM021781.D

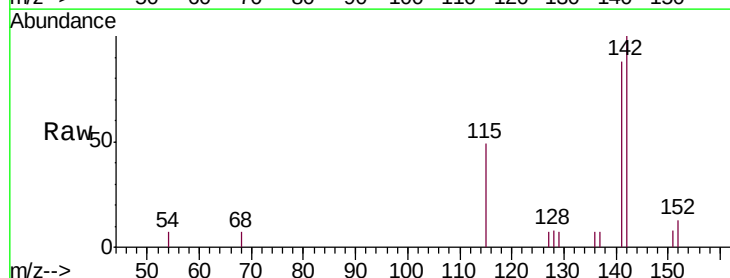
Acq: 03 Aug 2019 18:42

Tgt Ion:142 Resp: 2167

Ion Ratio Lower Upper

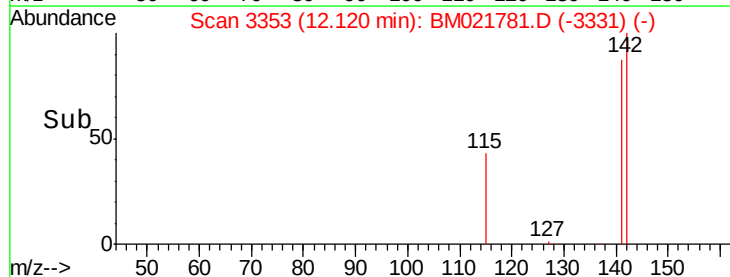
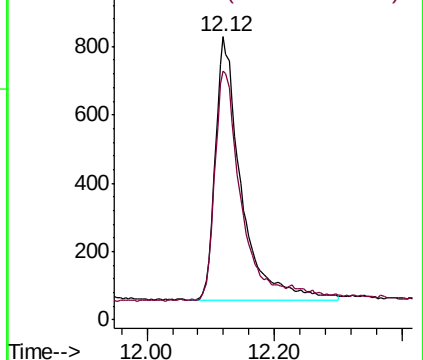
142 100

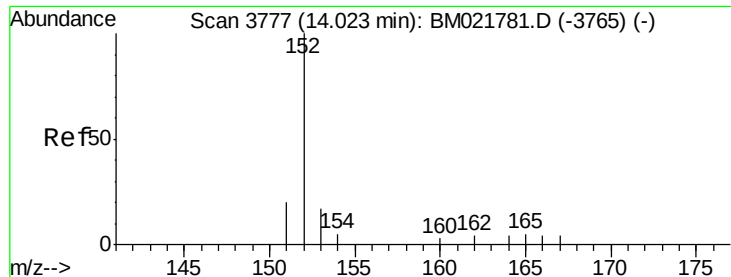
141 92.9 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.383 ng/ul

RT: 14.02 min Scan# 3777

Delta R.T. 0.00 min

Lab File: BM021781.D

Acq: 03 Aug 2019 18:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.421

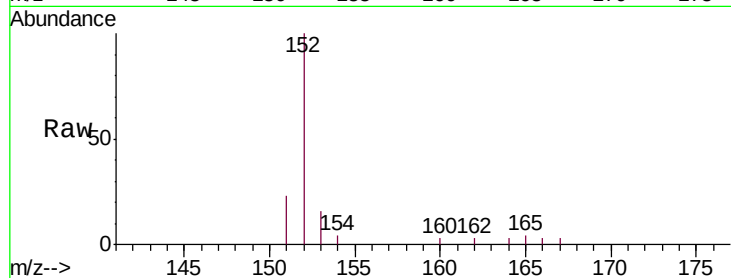
Tgt Ion:152 Resp: 3078

Ion Ratio Lower Upper

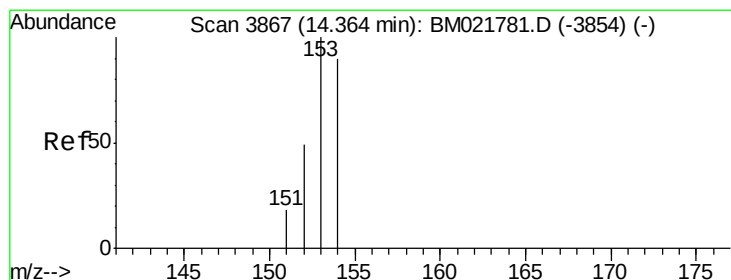
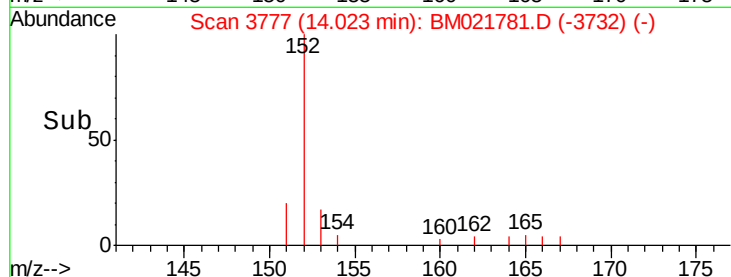
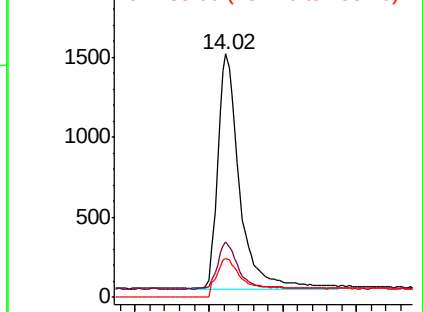
152 100

151 22.9 18.3 27.5

153 16.0 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: 0.366 ng/ul

RT: 14.36 min Scan# 3867

Delta R.T. 0.00 min

Lab File: BM021781.D

Acq: 03 Aug 2019 18:42

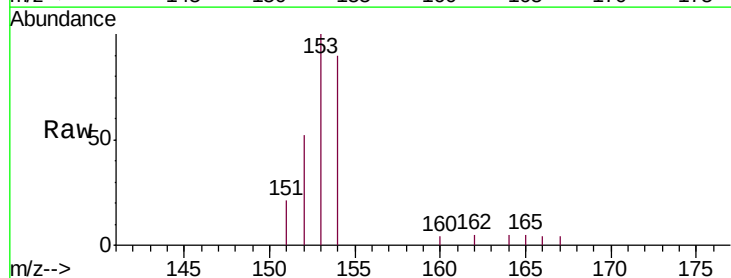
Tgt Ion:153 Resp: 2474

Ion Ratio Lower Upper

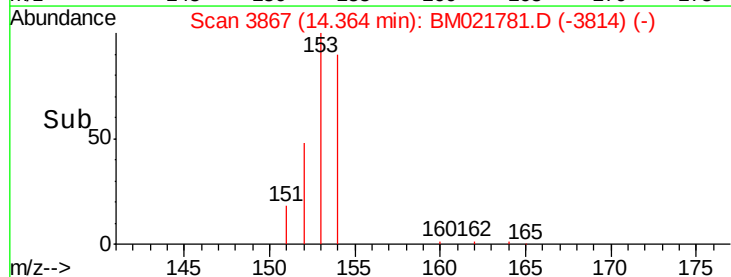
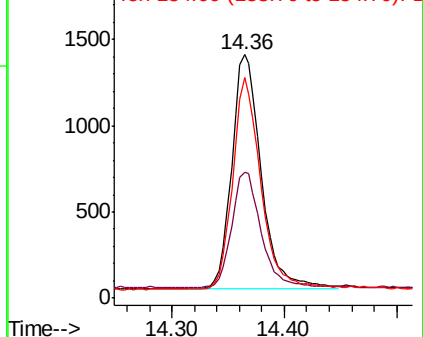
153 100

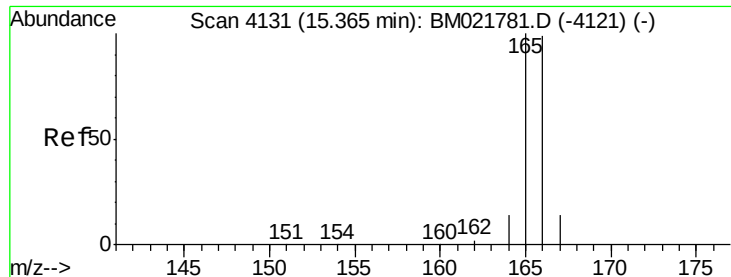
152 51.6 41.3 61.9

154 90.4 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: 0.388 ng/ul

RT: 15.37 min Scan# 4131

Delta R.T. 0.00 min

Lab File: BM021781.D

Acq: 03 Aug 2019 18:42

Instrument :

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SSTD0.421

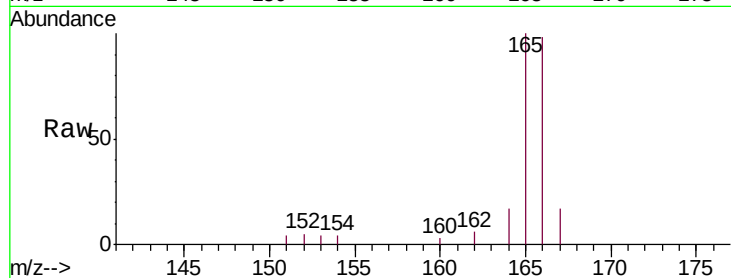
Tgt Ion:166 Resp: 2780

Ion Ratio Lower Upper

166 100

165 101.7 81.4 122.0

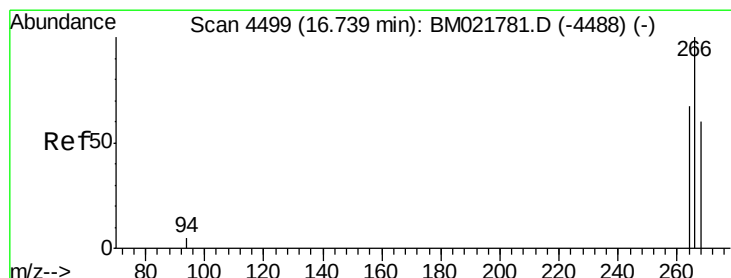
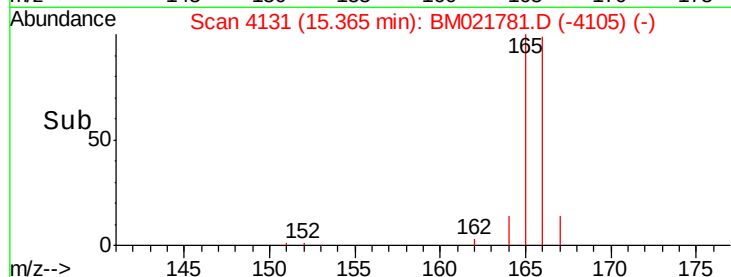
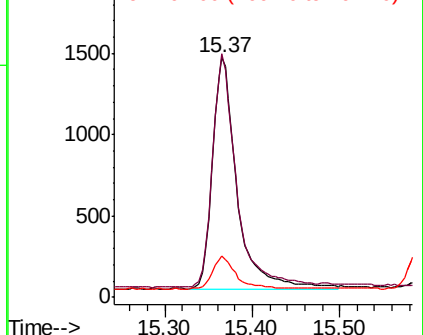
167 17.1 13.7 20.5



Abundance Ion 166.00 (165.70 to 166.70): E

2000 Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.457 ng/ul

RT: 16.74 min Scan# 4499

Delta R.T. 0.00 min

Lab File: BM021781.D

Acq: 03 Aug 2019 18:42

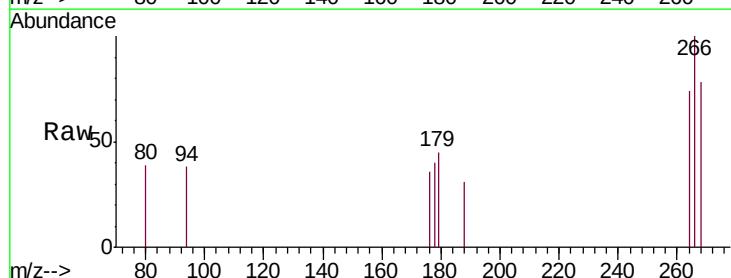
Tgt Ion:266 Resp: 254

Ion Ratio Lower Upper

266 100

264 67.7 54.2 81.2

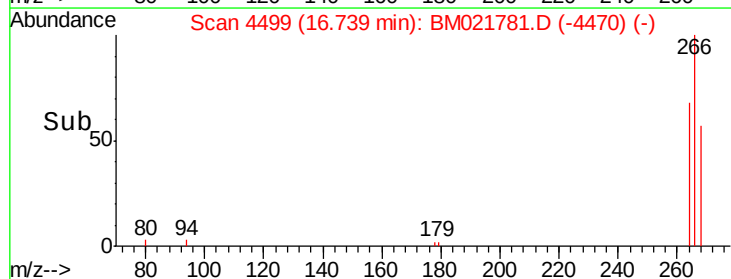
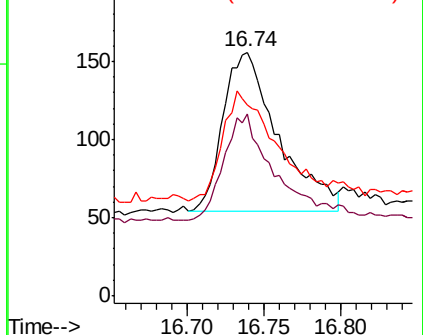
268 72.0 57.6 86.4

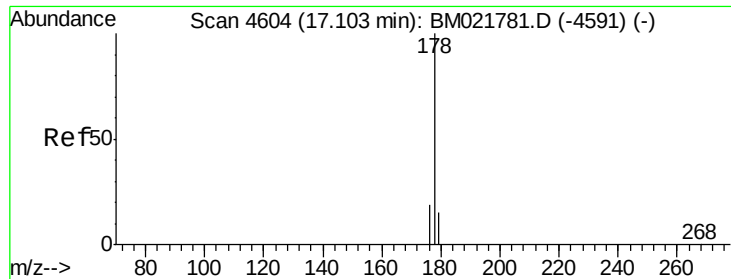


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.359 ng/ul

RT: 17.10 min Scan# 4604

Delta R.T. 0.00 min

Lab File: BM021781.D

Acq: 03 Aug 2019 18:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.421

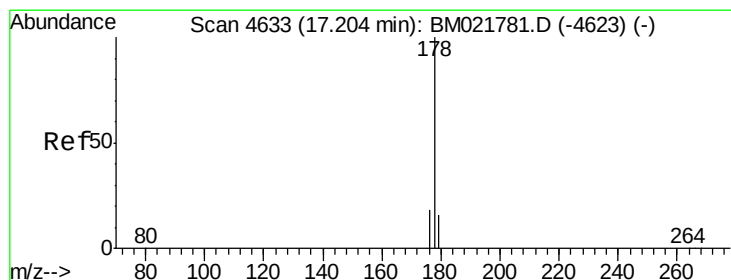
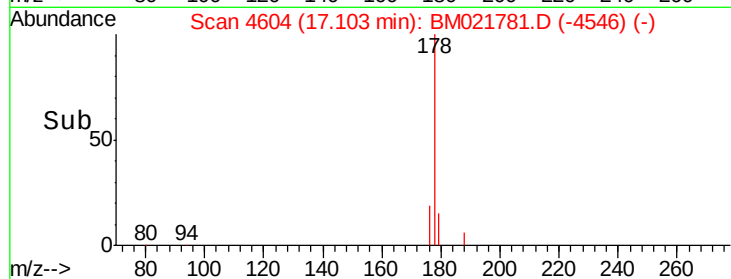
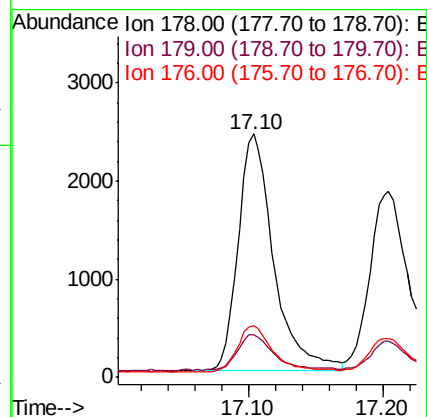
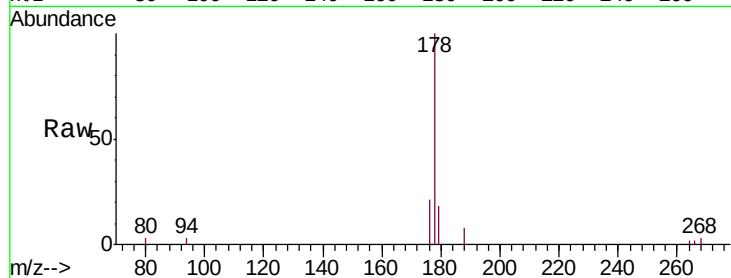
Tgt Ion:178 Resp: 4454

Ion Ratio Lower Upper

178 100

179 17.7 14.2 21.2

176 21.0 16.8 25.2



#13

Anthracene

Concen: 0.390 ng/ul

RT: 17.20 min Scan# 4633

Delta R.T. 0.00 min

Lab File: BM021781.D

Acq: 03 Aug 2019 18:42

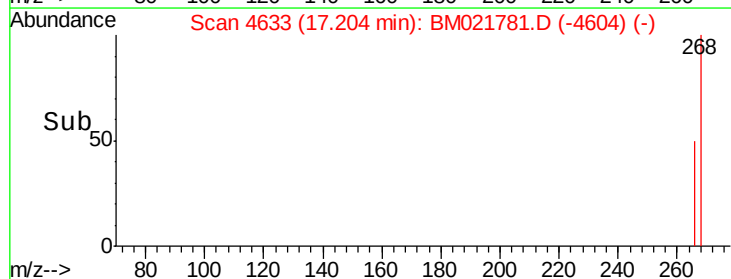
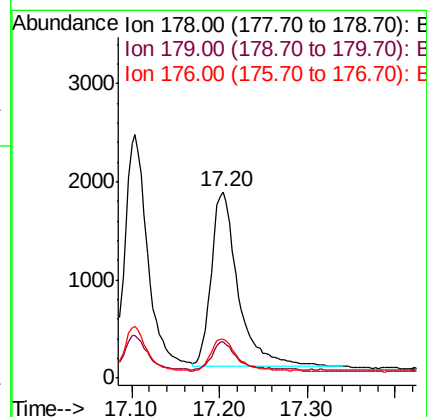
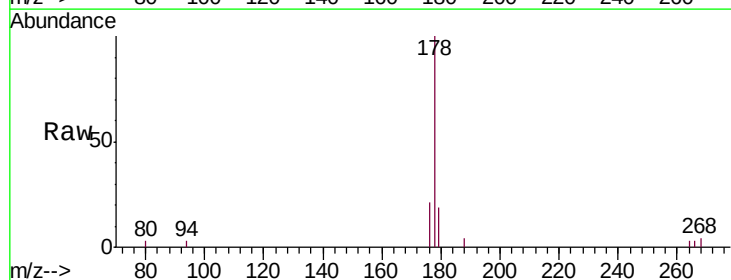
Tgt Ion:178 Resp: 3767

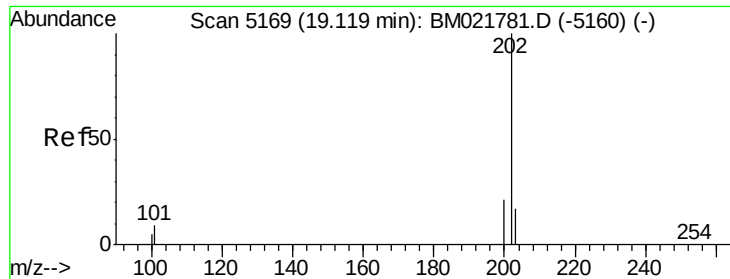
Ion Ratio Lower Upper

178 100

179 19.4 15.5 23.3

176 20.8 16.6 25.0





#15

Fluoranthene

Concen: 0.448 ng/ul

RT: 19.12 min Scan# 5169

Delta R.T. 0.00 min

Lab File: BM021781.D

Acq: 03 Aug 2019 18:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.421

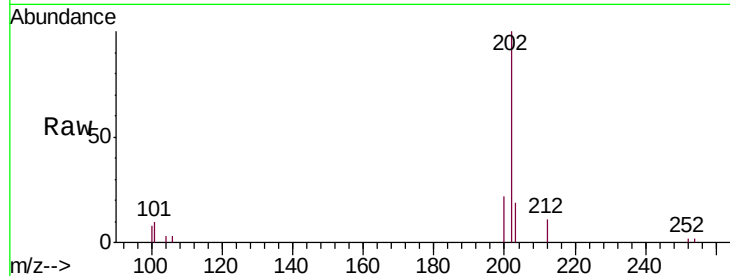
Tgt Ion:202 Resp: 5932

Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.2

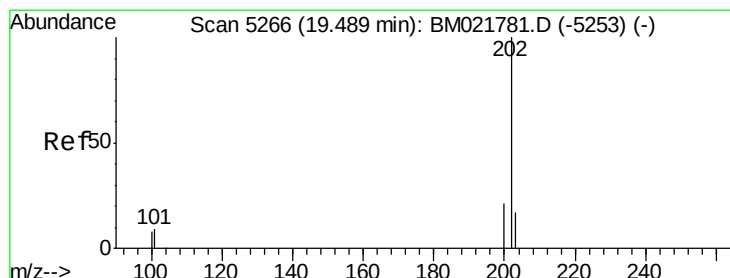
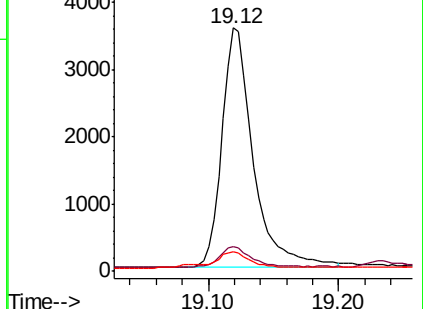
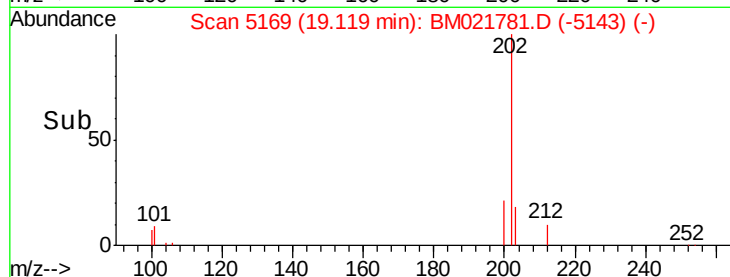
100 8.1 0.0 28.1



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: 0.381 ng/ul

RT: 19.49 min Scan# 5266

Delta R.T. 0.00 min

Lab File: BM021781.D

Acq: 03 Aug 2019 18:42

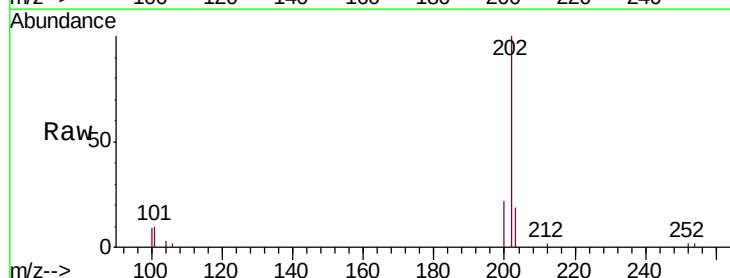
Tgt Ion:202 Resp: 6379

Ion Ratio Lower Upper

202 100

101 10.4 8.3 12.5

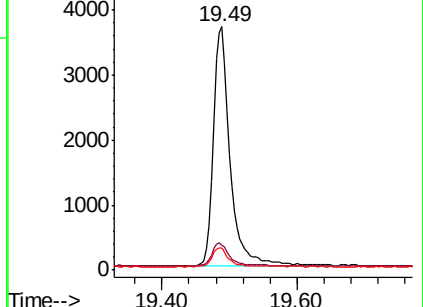
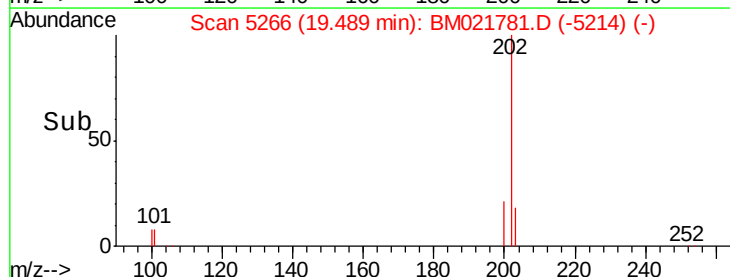
100 9.0 7.2 10.8

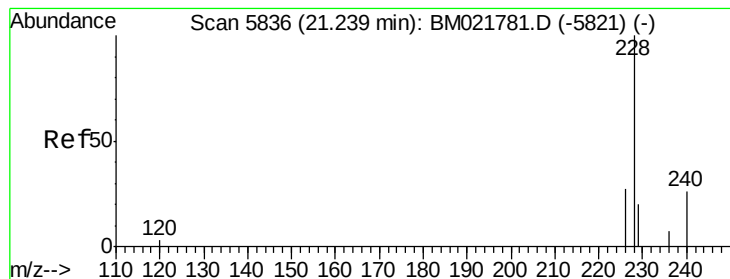


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.459 ng/ul

RT: 21.24 min Scan# 5836

Delta R.T. 0.00 min

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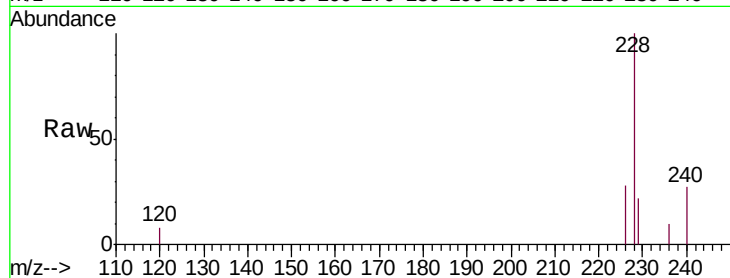
Tgt Ion:228 Resp: 5521

Ion Ratio Lower Upper

228 100

229 21.5 17.2 25.8

226 28.3 22.6 34.0

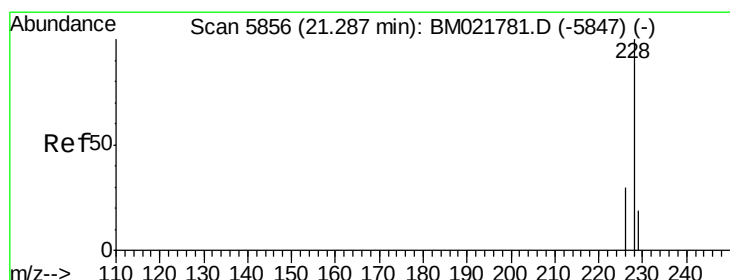
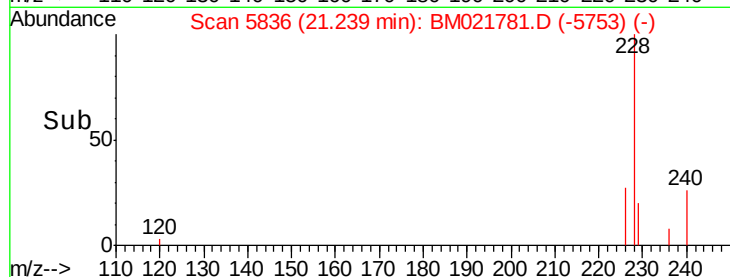
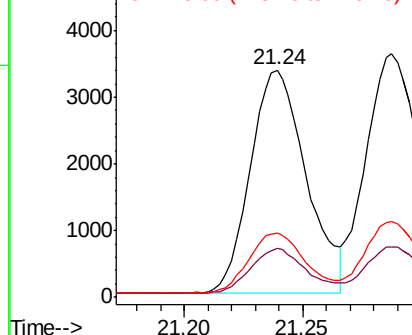


Abundance

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: 0.366 ng/ul

RT: 21.29 min Scan# 5856

Delta R.T. 0.00 min

Lab File: BM021781.D

Acq: 03 Aug 2019 18:42

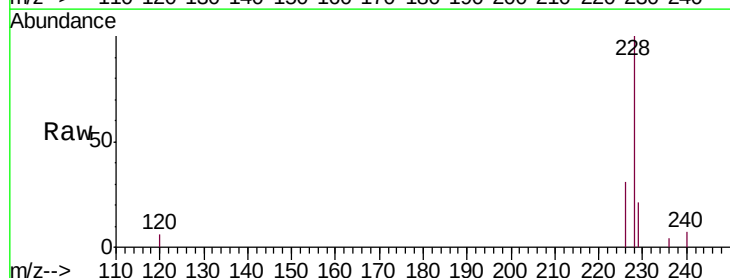
Tgt Ion:228 Resp: 7017

Ion Ratio Lower Upper

228 100

226 31.1 24.9 37.3

229 20.8 16.6 25.0

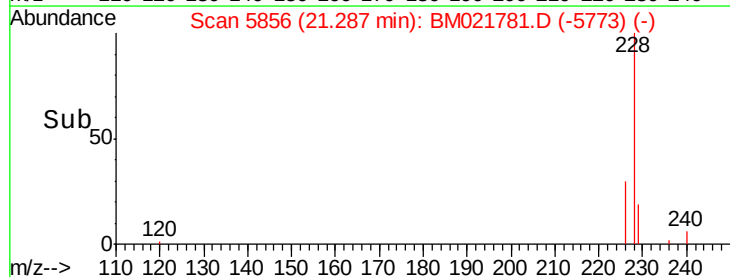
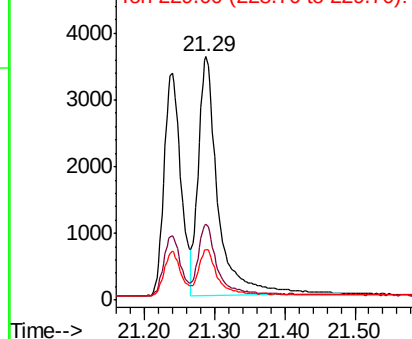


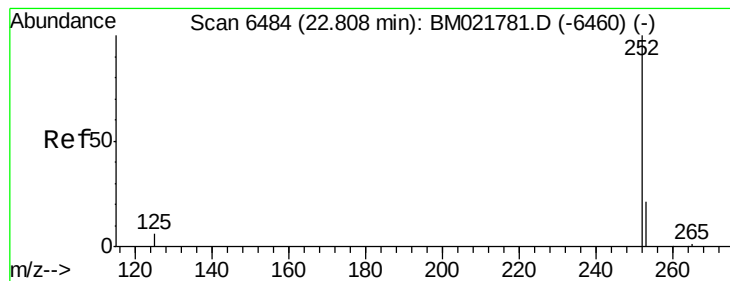
Abundance

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: 0.321 ng/ul

RT: 22.81 min Scan# 6484

Delta R.T. 0.00 min

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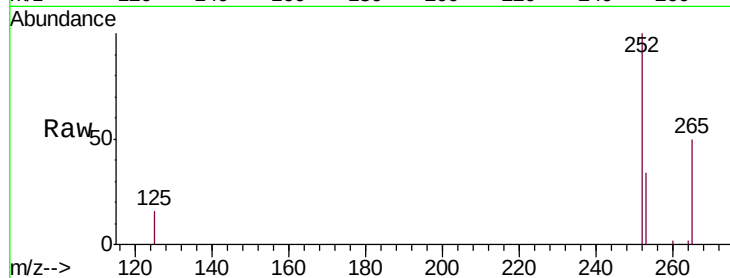
Tgt Ion:252 Resp: 6040

Ion Ratio Lower Upper

252 100

253 33.7 0.0 67.4

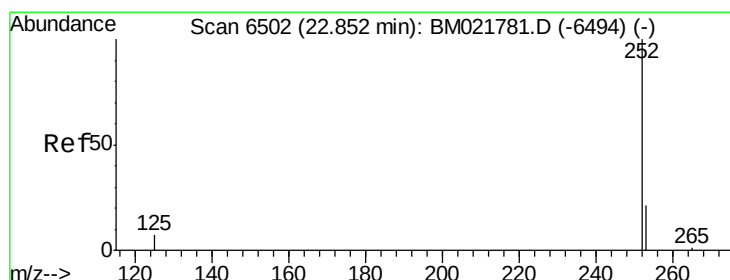
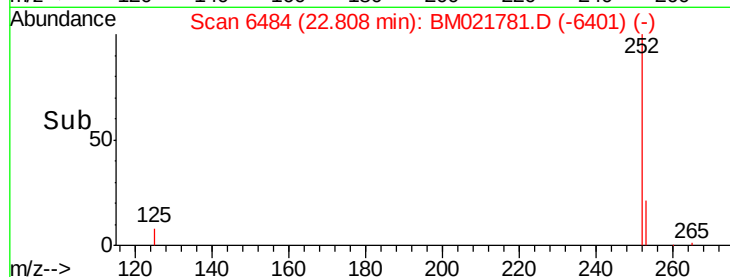
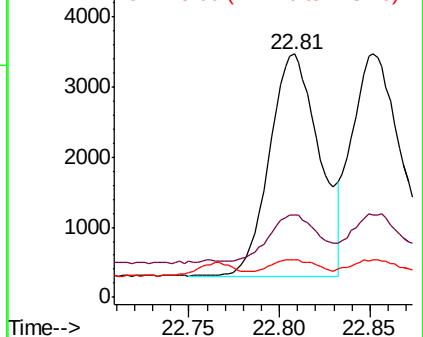
125 15.5 0.0 31.0



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: 0.340 ng/ul

RT: 22.85 min Scan# 6502

Delta R.T. 0.00 min

Lab File: BM021781.D

Acq: 03 Aug 2019 18:42

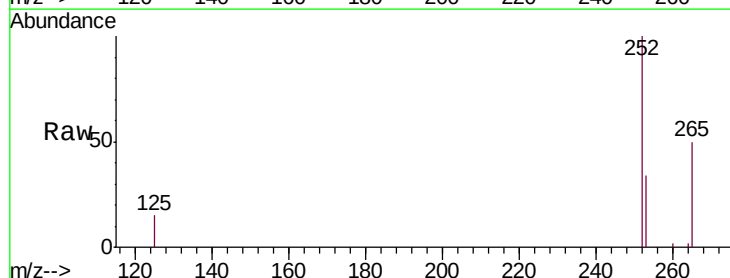
Tgt Ion:252 Resp: 6754

Ion Ratio Lower Upper

252 100

253 33.7 27.0 40.4

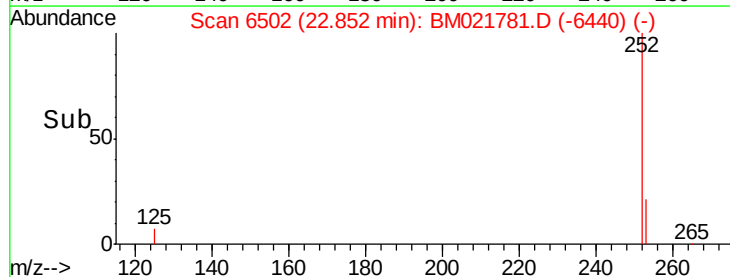
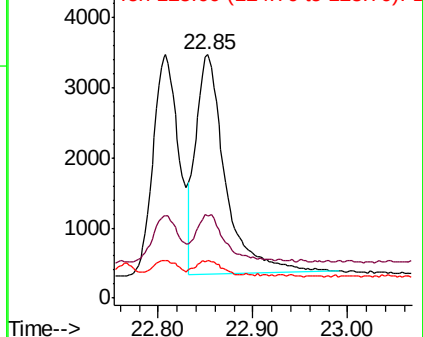
125 15.2 12.2 18.2

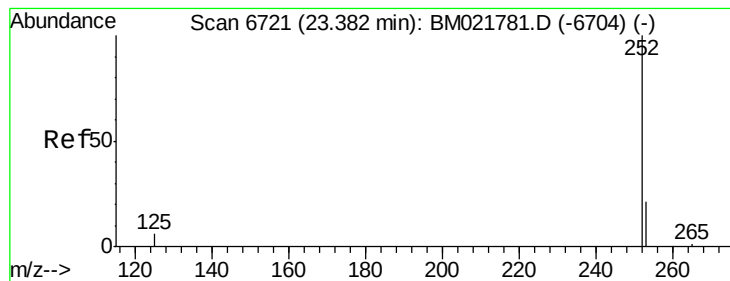


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.392 ng/ul

RT: 23.38 min Scan# 6721

Delta R.T. 0.00 min

Lab File: BM021781.D

Acq: 03 Aug 2019 18:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.421

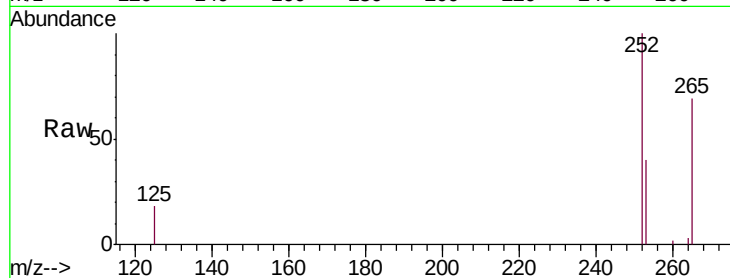
Tgt Ion:252 Resp: 5994

Ion Ratio Lower Upper

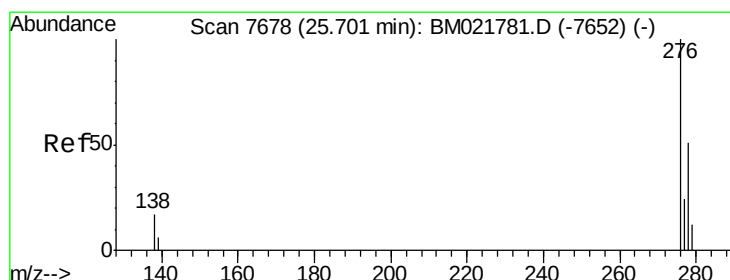
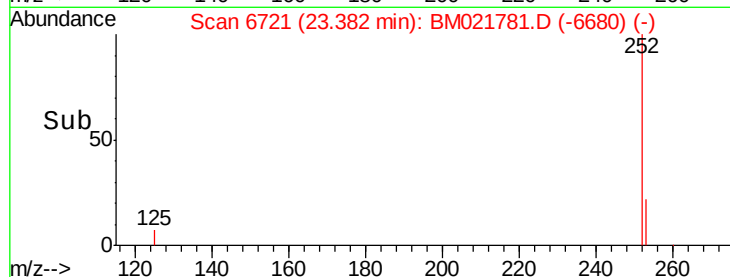
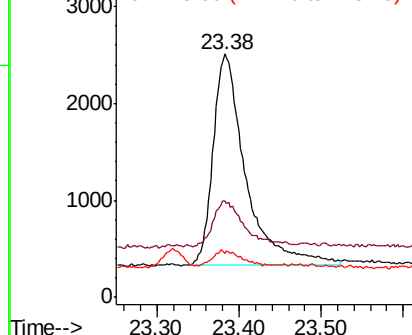
252 100

253 39.6 31.7 47.5

125 18.2 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: 0.408 ng/ul

RT: 25.70 min Scan# 7678

Delta R.T. 0.00 min

Lab File: BM021781.D

Acq: 03 Aug 2019 18:42

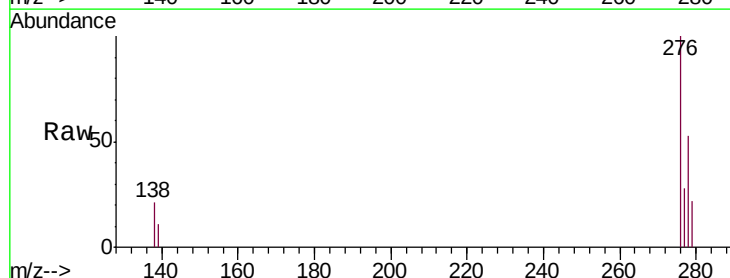
Tgt Ion:276 Resp: 7201

Ion Ratio Lower Upper

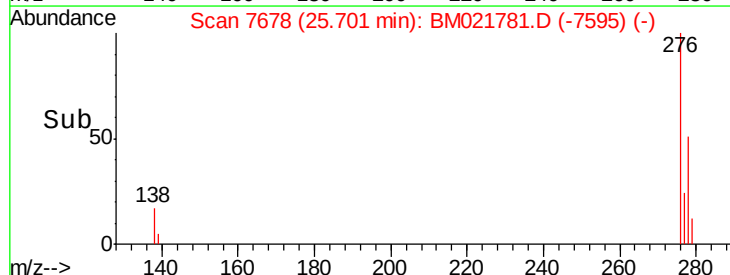
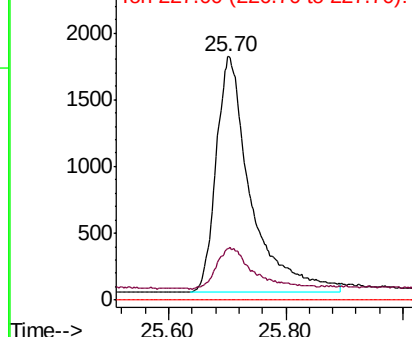
276 100

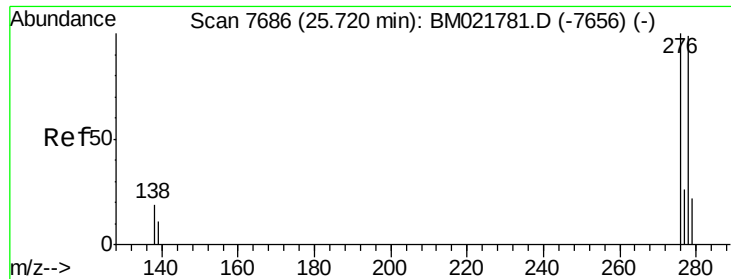
138 19.0 15.1 22.7

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: 0.419 ng/ul

RT: 25.72 min Scan# 7686

Delta R.T. 0.00 min

Lab File: BM021781.D

Acq: 03 Aug 2019 18:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.421

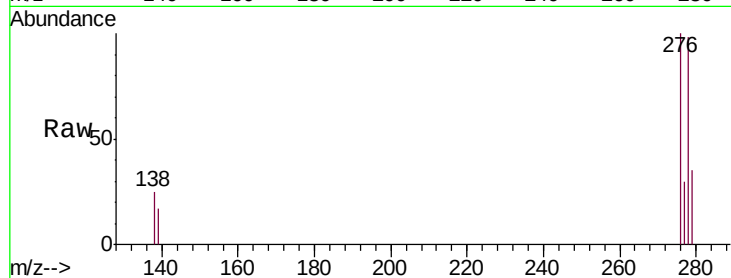
Tgt Ion:278 Resp: 5811

Ion Ratio Lower Upper

278 100

139 17.7 14.2 21.2

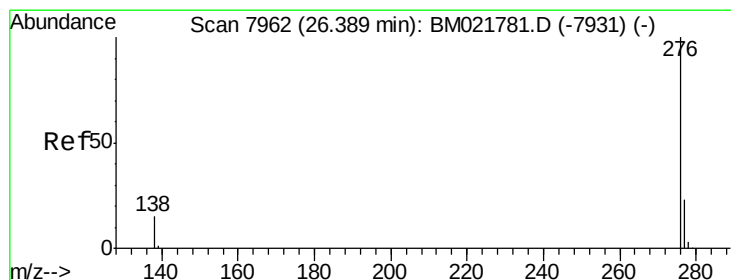
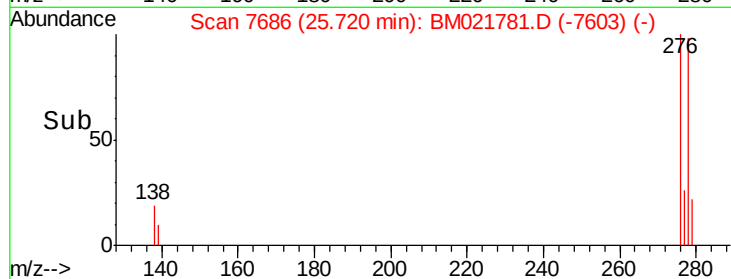
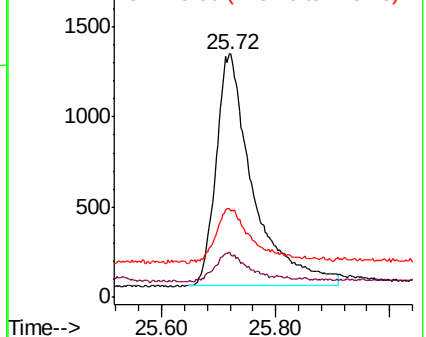
279 35.4 28.3 42.5



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: 0.392 ng/ul

RT: 26.39 min Scan# 7962

Delta R.T. 0.00 min

Lab File: BM021781.D

Acq: 03 Aug 2019 18:42

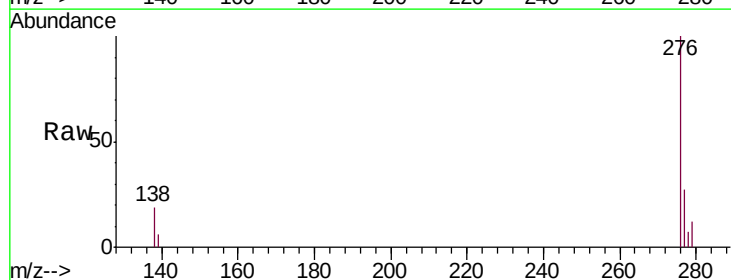
Tgt Ion:276 Resp: 6578

Ion Ratio Lower Upper

276 100

138 19.4 15.5 23.3

277 26.8 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

