

Data File : BM021779.D
Acq On : 03 Aug 2019 17:29
Operator : HP/JU
Sample : SST0.119
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.119

Quant Time: Aug 03 22:37:57 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	714	0.40	ng/ul	0.00
2) Naphthalene-d8	10.45	136	2783	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.31	164	1657	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	3953	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	4157	0.40	ng/ul	0.00
20) Perylene-d12	23.48	264	4920	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.07	152	481	0.12	ng/ul	0.02
14) Fluoranthene-d10	19.10	212	1427	0.14	ng/ul	0.00

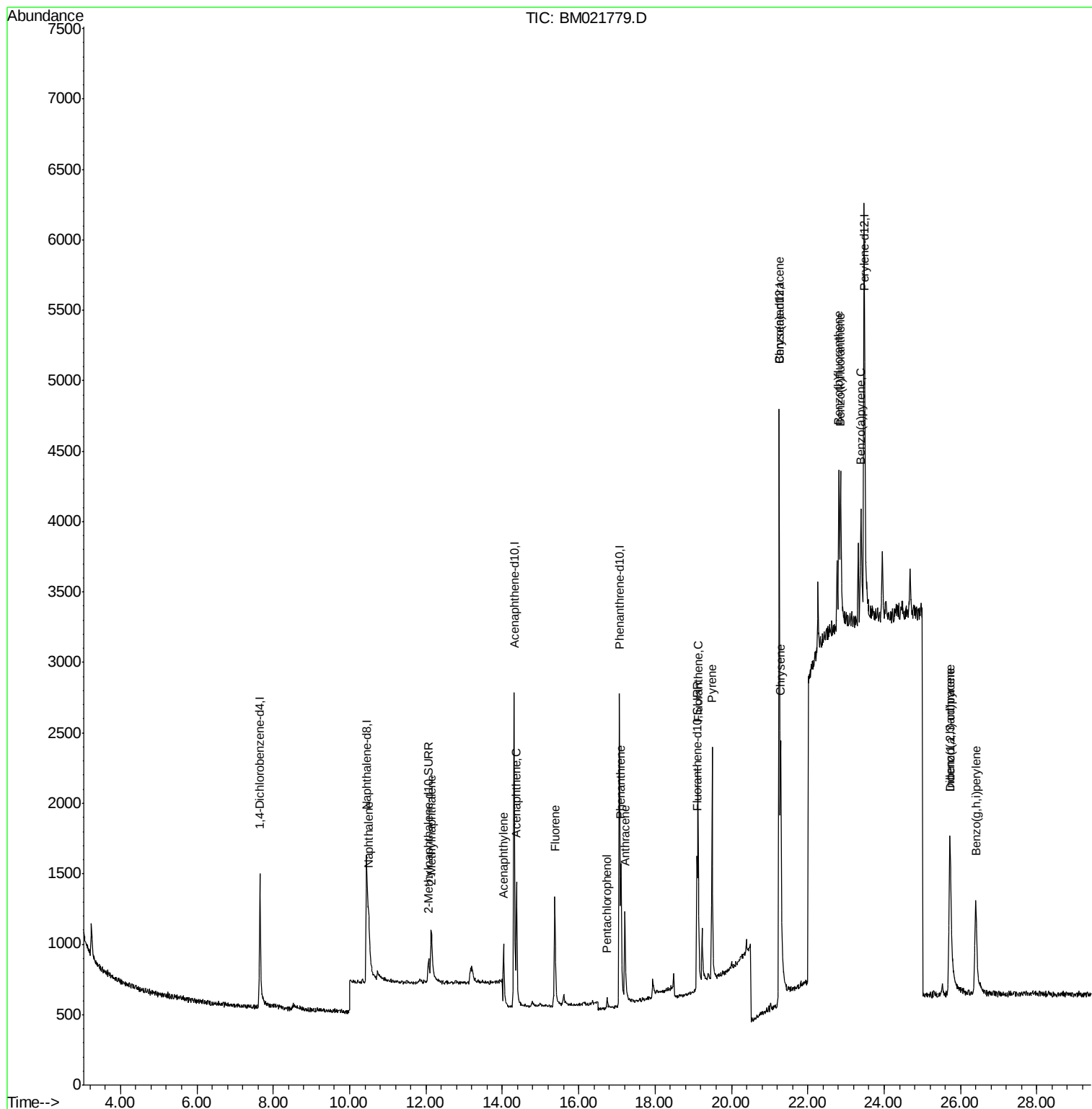
Target Compounds				Qvalue		
3) Naphthalene	10.51	128	836	0.107	ng/ul#	70
5) 2-Methylnaphthalene	12.14	142	544	0.118	ng/ul	99
7) Acenaphthylene	14.03	152	783	0.095	ng/ul#	85
8) Acenaphthene	14.37	153	640	0.092	ng/ul	95
9) Fluorene	15.37	166	708	0.096	ng/ul#	92
11) Pentachlorophenol	16.74	266	80	0.138	ng/ul	96
12) Phenanthrene	17.11	178	1191	0.092	ng/ul#	88
13) Anthracene	17.21	178	986	0.098	ng/ul#	84
15) Fluoranthene	19.13	202	1679	0.122	ng/ul	86
17) Pyrene	19.49	202	1800	0.099	ng/ul#	89
18) Benzo(a)anthracene	21.24	228	1539	0.117	ng/ul	93
19) Chrysene	21.29	228	2095	0.100	ng/ul#	90
21) Benzo(b)fluoranthene	22.81	252	1598	0.075	ng/ul#	52
22) Benzo(k)fluoranthene	22.86	252	1944	0.087	ng/ul#	53
23) Benzo(a)pyrene	23.39	252	1759	0.102	ng/ul#	41
24) Indeno(1,2,3-cd)pyrene	25.72	276	2061	0.103	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.73	278	1726	0.110	ng/ul#	49
26) Benzo(g,h,i)perylene	26.39	276	1843	0.097	ng/ul#	77

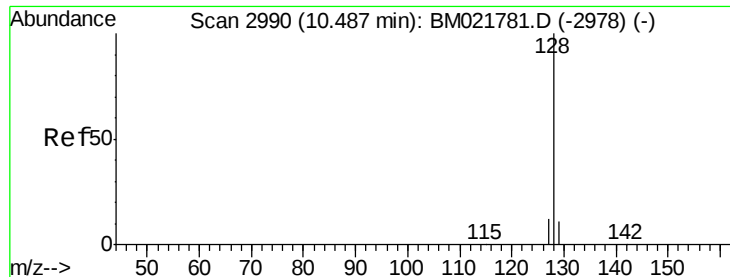
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.107 ng/ul

RT: 10.51 min Scan# 2994

Delta R.T. 0.02 min

Lab File: BM021779.D

Acq: 03 Aug 2019 17:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.119

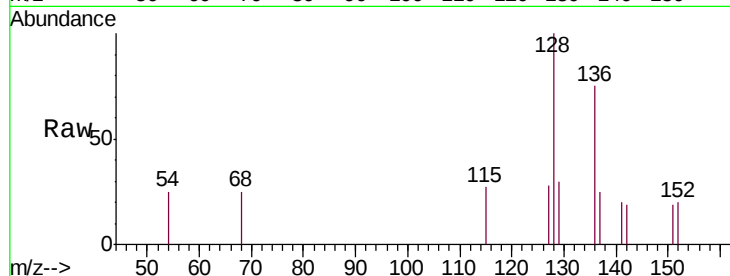
Tgt Ion:128 Resp: 836

Ion Ratio Lower Upper

128 100

129 29.8 12.3 18.5#

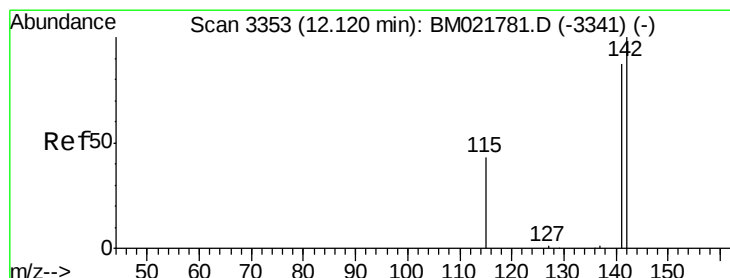
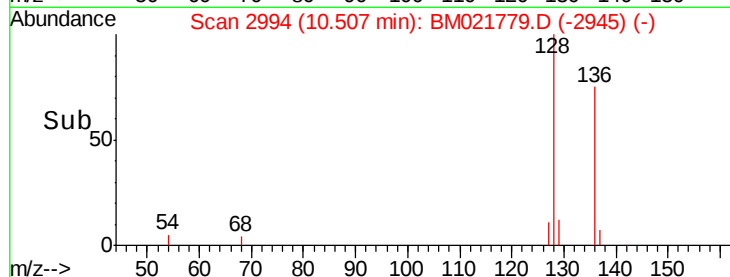
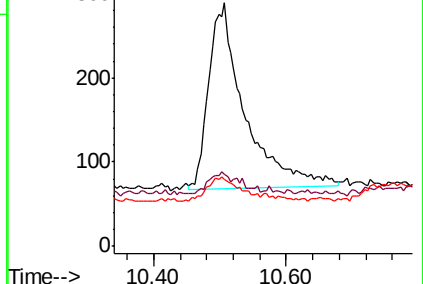
127 27.7 13.0 19.6#



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: 0.118 ng/ul

RT: 12.14 min Scan# 3357

Delta R.T. 0.02 min

Lab File: BM021779.D

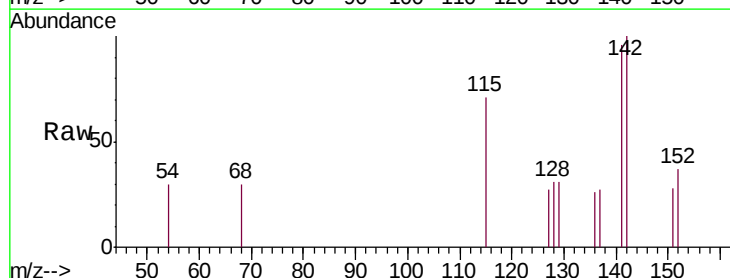
Acq: 03 Aug 2019 17:29

Tgt Ion:142 Resp: 544

Ion Ratio Lower Upper

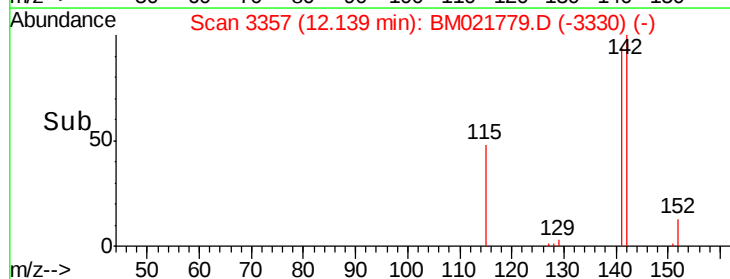
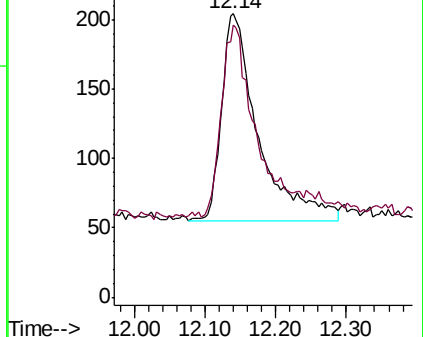
142 100

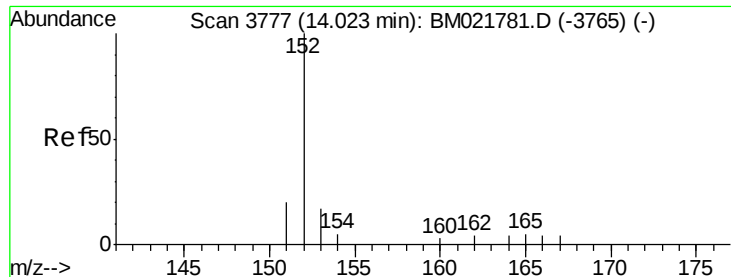
141 93.9 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.095 ng/ul

RT: 14.03 min Scan# 3779

Delta R.T. 0.01 min

Lab File: BM021779.D

Acq: 03 Aug 2019 17:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.119

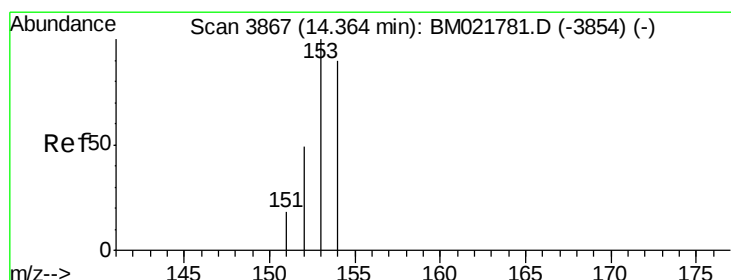
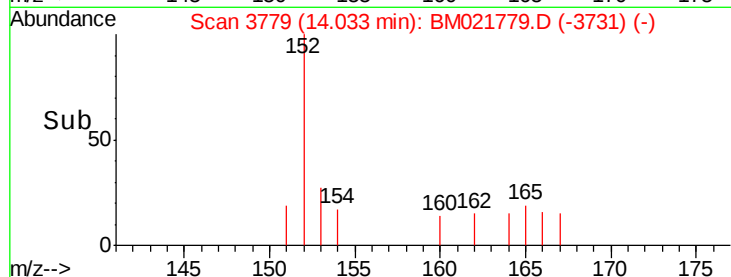
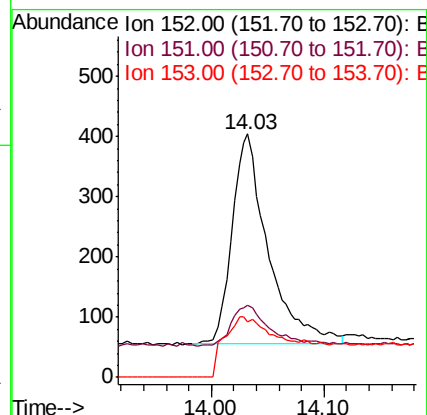
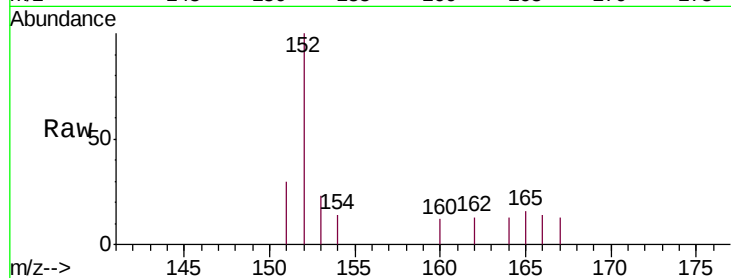
Tgt Ion:152 Resp: 783

Ion Ratio Lower Upper

152 100

151 29.7 18.3 27.5#

153 23.0 12.8 19.2#



#8

Acenaphthene

Concen: 0.092 ng/ul

RT: 14.37 min Scan# 3868

Delta R.T. 0.01 min

Lab File: BM021779.D

Acq: 03 Aug 2019 17:29

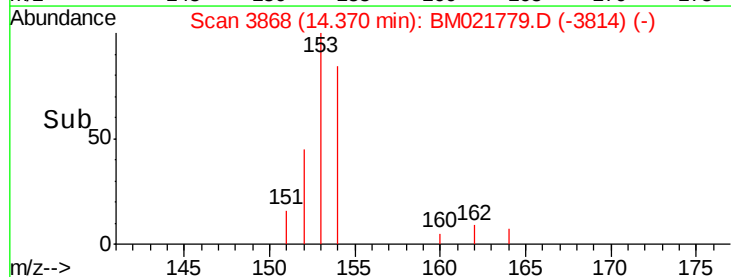
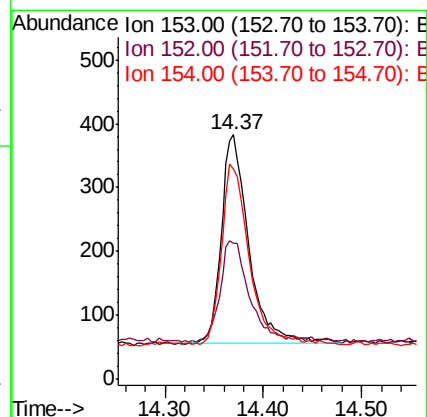
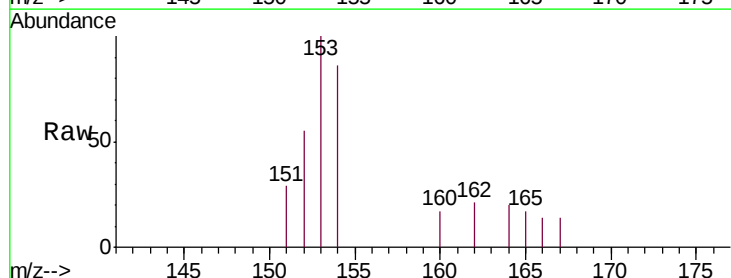
Tgt Ion:153 Resp: 640

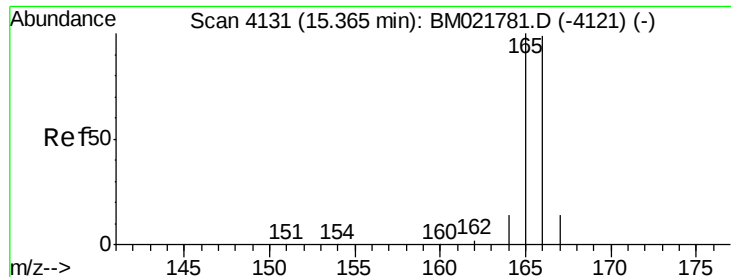
Ion Ratio Lower Upper

153 100

152 55.4 41.3 61.9

154 85.9 72.3 108.5





#9

Fluorene

Concen: 0.096 ng/ul

RT: 15.37 min Scan# 4133

Delta R.T. 0.01 min

Lab File: BM021779.D

Acq: 03 Aug 2019 17:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.119

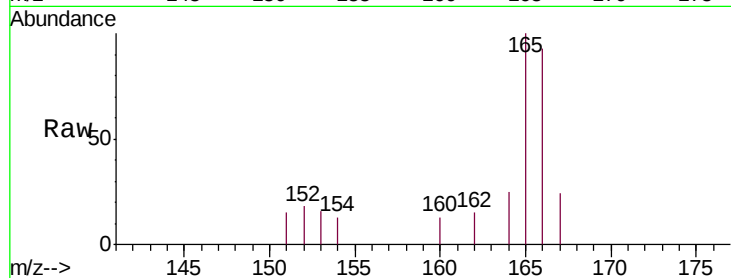
Tgt Ion:166 Resp: 708

Ion Ratio Lower Upper

166 100

165 107.2 81.4 122.0

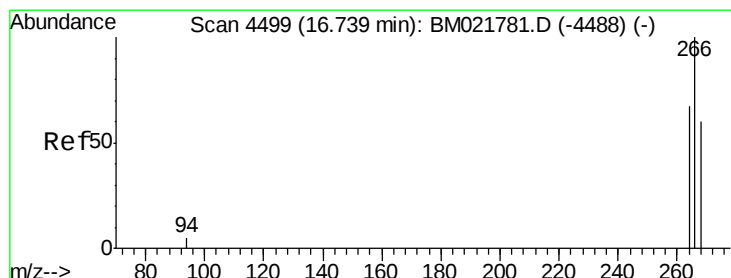
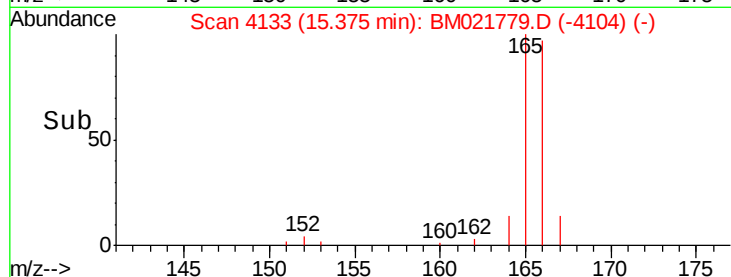
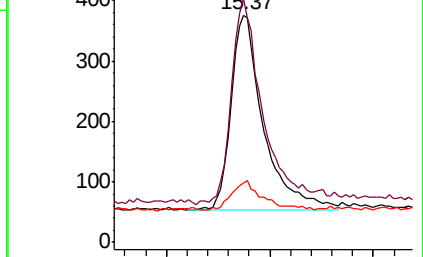
167 26.1 13.7 20.5#



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: 0.138 ng/ul

RT: 16.74 min Scan# 4499

Delta R.T. 0.00 min

Lab File: BM021779.D

Acq: 03 Aug 2019 17:29

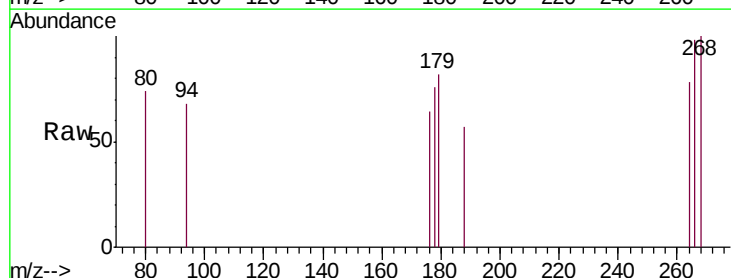
Tgt Ion:266 Resp: 80

Ion Ratio Lower Upper

266 100

264 62.5 54.2 81.2

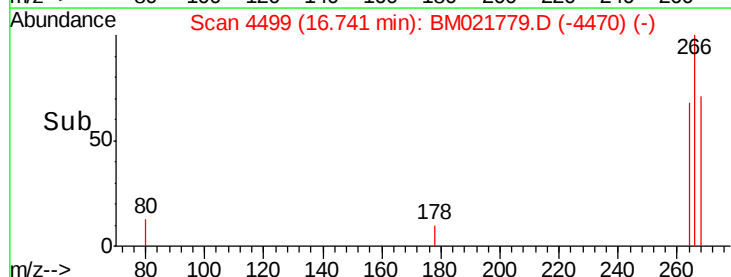
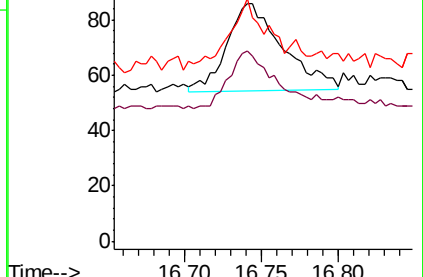
268 73.8 57.6 86.4

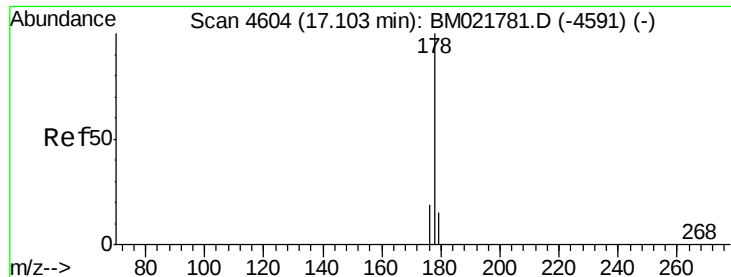


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.092 ng/ul

RT: 17.11 min Scan# 4605

Delta R.T. 0.01 min

Lab File: BM021779.D

Acq: 03 Aug 2019 17:29

Instrument :

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ClientSampleId :

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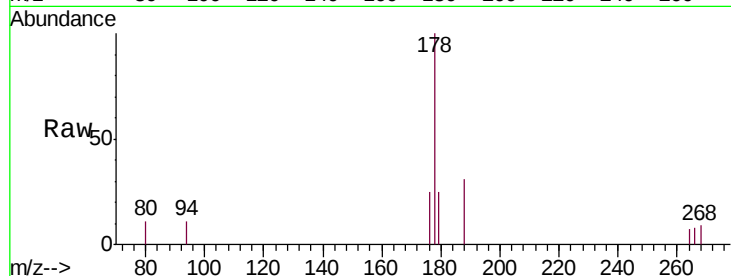
Tgt Ion:178 Resp: 1191

Ion Ratio Lower Upper

178 100

179 24.5 14.2 21.2#

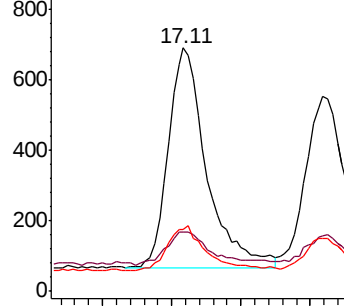
176 25.3 16.8 25.2#



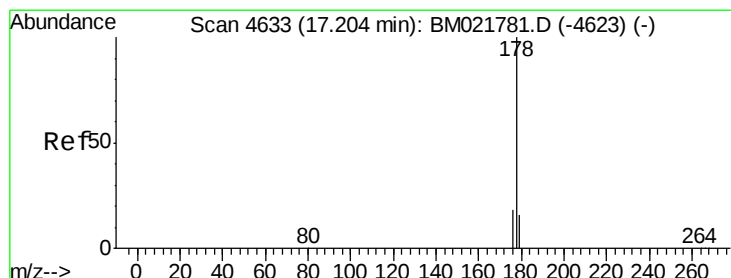
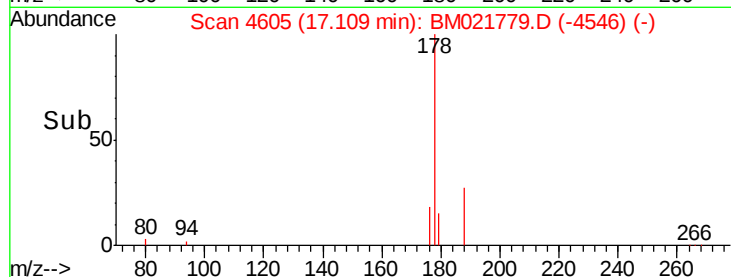
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#13

Anthracene

Concen: 0.098 ng/ul

RT: 17.21 min Scan# 4634

Delta R.T. 0.01 min

Lab File: BM021779.D

Acq: 03 Aug 2019 17:29

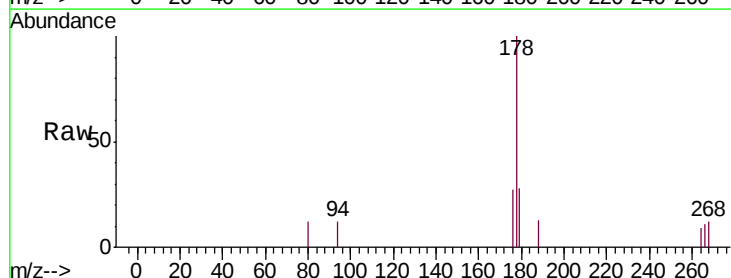
Tgt Ion:178 Resp: 986

Ion Ratio Lower Upper

178 100

179 28.4 15.5 23.3#

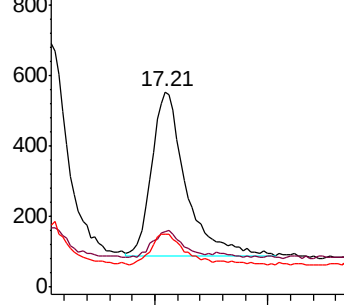
176 27.0 16.6 25.0#



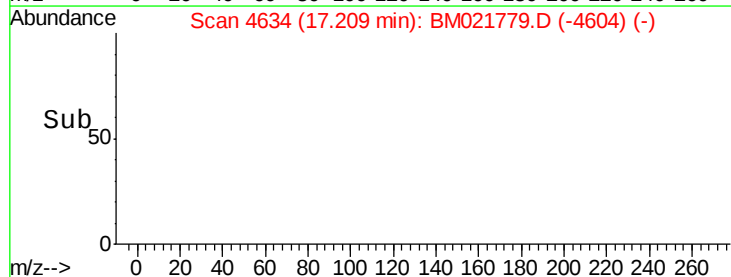
Abundance Ion 178.00 (177.70 to 178.70): E

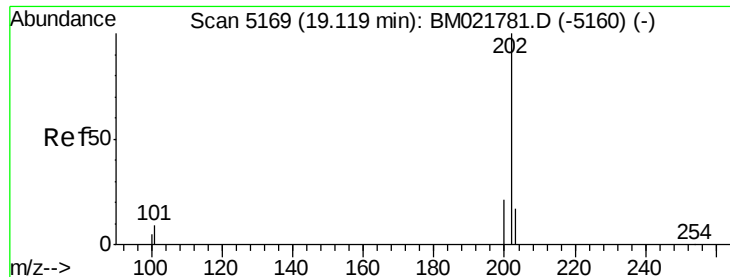
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->

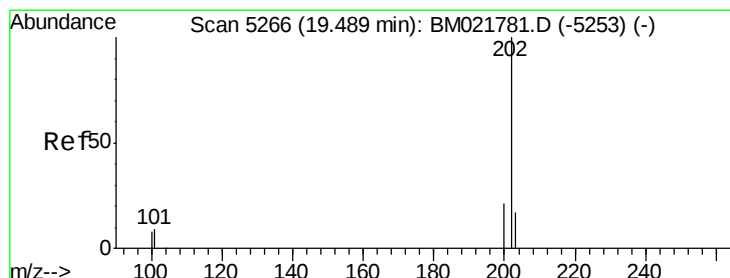
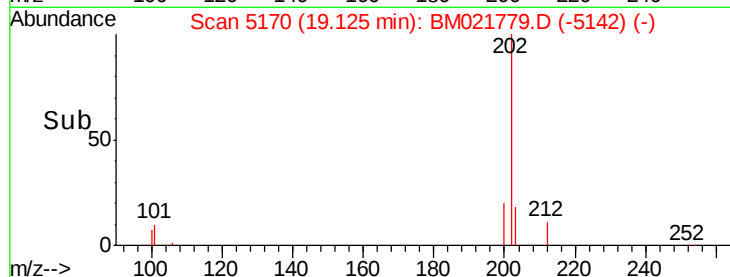
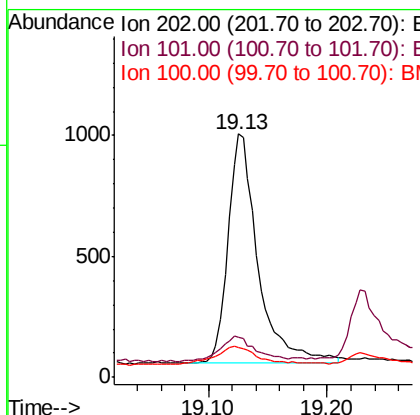
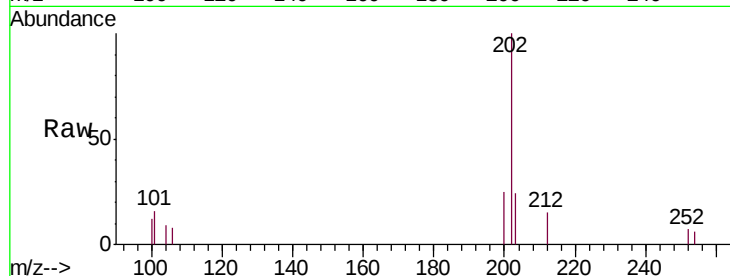




#15
Fluoranthene
Concen: 0.122 ng/ul
RT: 19.13 min Scan# 5170
Delta R.T. 0.01 min
Lab File: BM021779.D
Acq: 03 Aug 2019 17:29

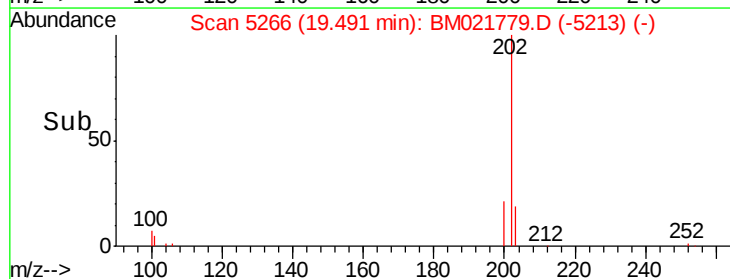
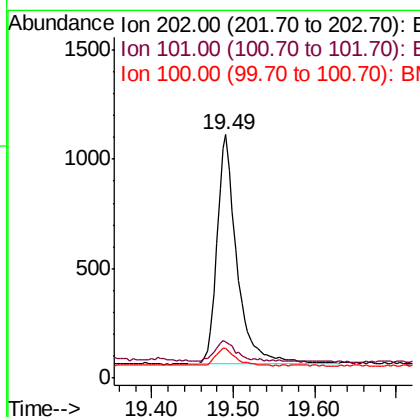
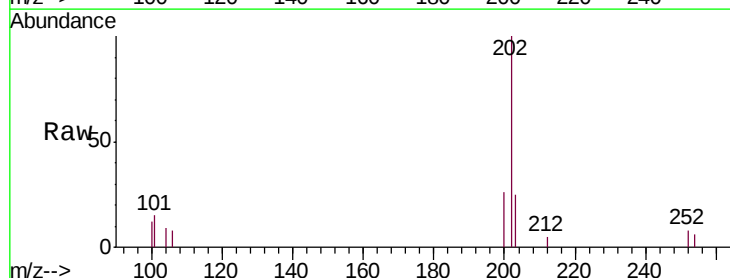
Instrument :
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SSTD0.119

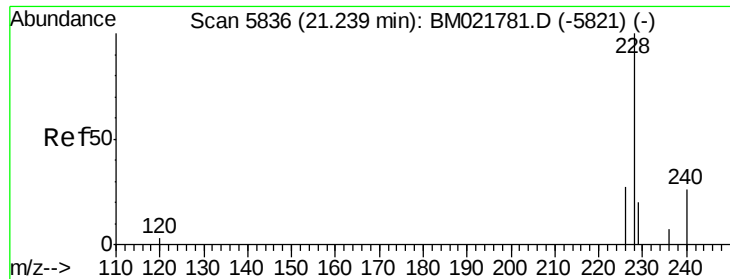
Tgt Ion:202 Resp: 1679
Ion Ratio Lower Upper
202 100
101 16.3 0.0 30.2
100 12.2 0.0 28.1



#17
Pyrene
Concen: 0.099 ng/ul
RT: 19.49 min Scan# 5266
Delta R.T. 0.00 min
Lab File: BM021779.D
Acq: 03 Aug 2019 17:29

Tgt Ion:202 Resp: 1800
Ion Ratio Lower Upper
202 100
101 15.1 8.3 12.5#
100 12.4 7.2 10.8#





#18

Benzo(a)anthracene

Concen: 0.117 ng/ul

RT: 21.24 min Scan# 5837

Delta R.T. 0.00 min

Lab File: BM021779.D

Acq: 03 Aug 2019 17:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.119

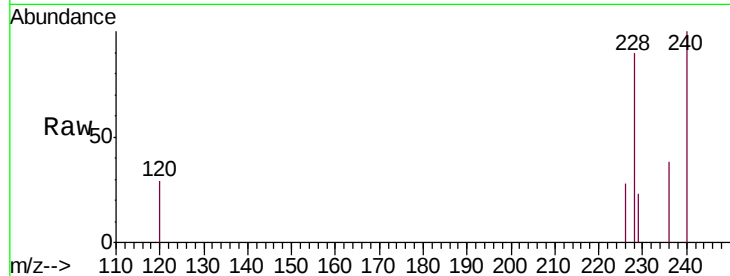
Tgt Ion:228 Resp: 1539

Ion Ratio Lower Upper

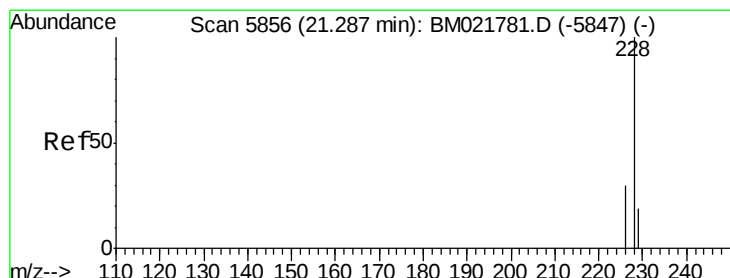
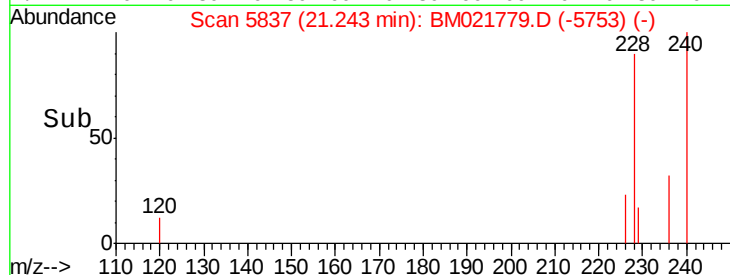
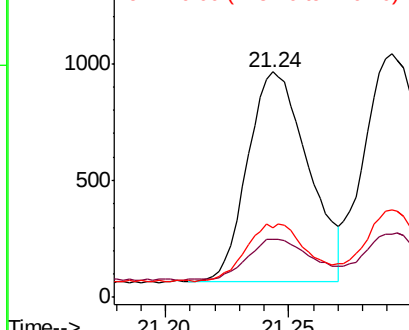
228 100

229 25.6 17.2 25.8

226 31.0 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: 0.100 ng/ul

RT: 21.29 min Scan# 5857

Delta R.T. 0.00 min

Lab File: BM021779.D

Acq: 03 Aug 2019 17:29

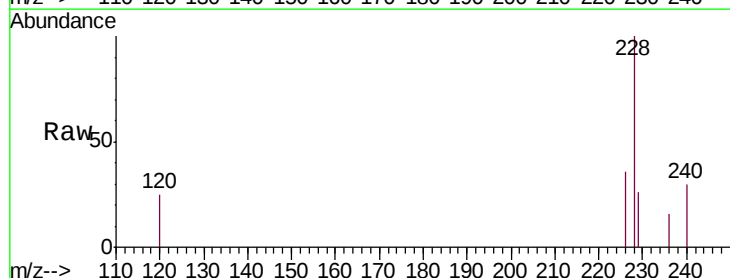
Tgt Ion:228 Resp: 2095

Ion Ratio Lower Upper

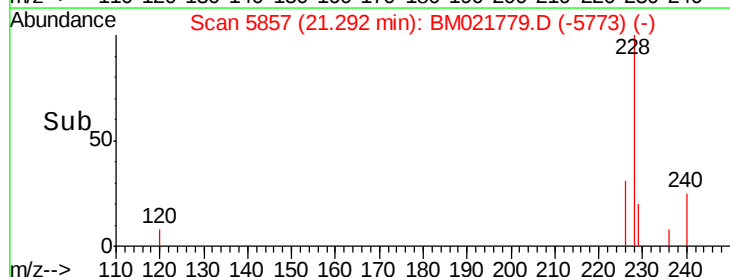
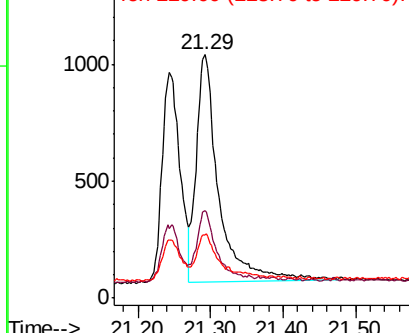
228 100

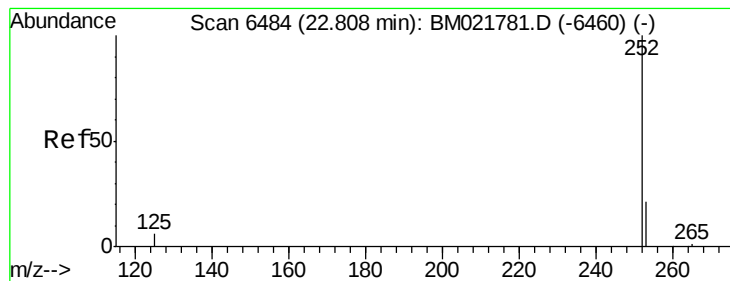
226 35.8 24.9 37.3

229 26.1 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: 0.075 ng/ul

RT: 22.81 min Scan# 6485

Delta R.T. 0.00 min

Lab File: BM021779.D

Acq: 03 Aug 2019 17:29

Instrument :

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SSTD0.119

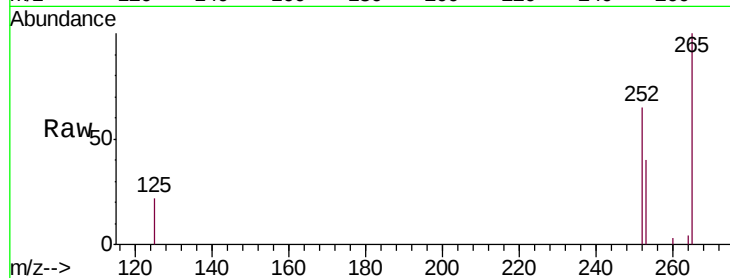
Tgt Ion:252 Resp: 1598

Ion Ratio Lower Upper

252 100

253 62.0 0.0 67.4

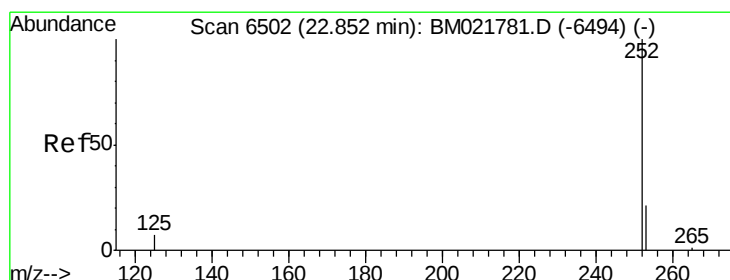
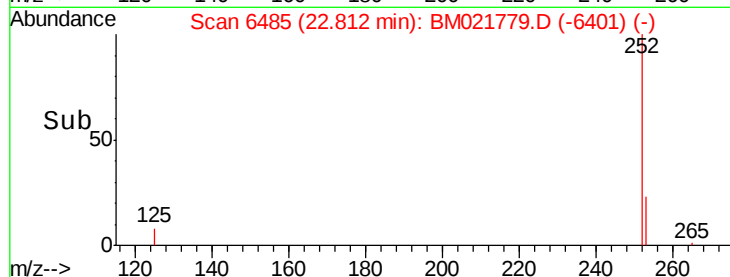
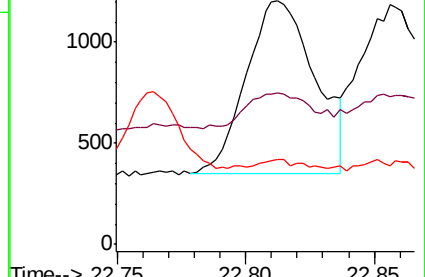
125 34.6 0.0 31.0#



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: 0.087 ng/ul

RT: 22.86 min Scan# 6503

Delta R.T. 0.00 min

Lab File: BM021779.D

Acq: 03 Aug 2019 17:29

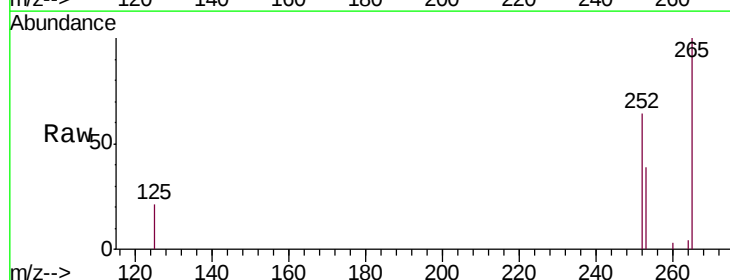
Tgt Ion:252 Resp: 1944

Ion Ratio Lower Upper

252 100

253 61.4 27.0 40.4#

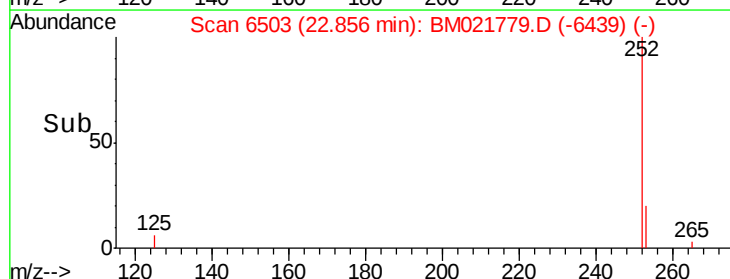
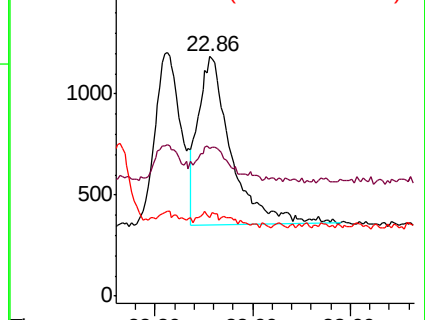
125 32.7 12.2 18.2#

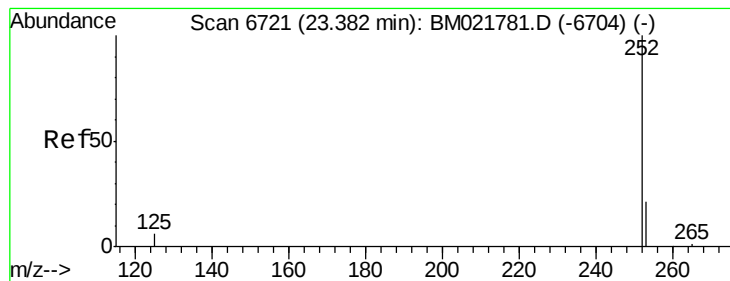


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.102 ng/u1

RT: 23.39 min Scan# 6722

Delta R.T. 0.00 min

Lab File: BM021779.D

Acq: 03 Aug 2019 17:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.119

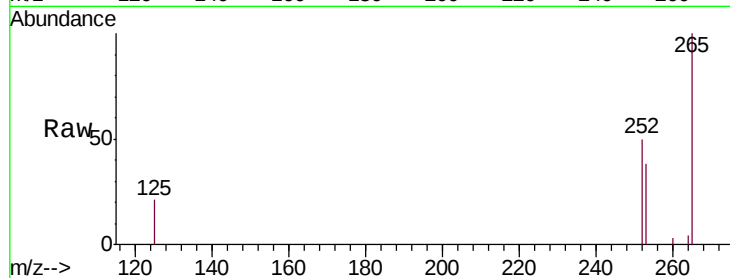
Tgt Ion:252 Resp: 1759

Ion Ratio Lower Upper

252 100

253 77.6 31.7 47.5#

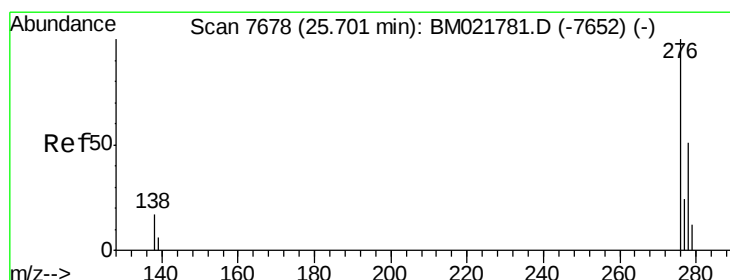
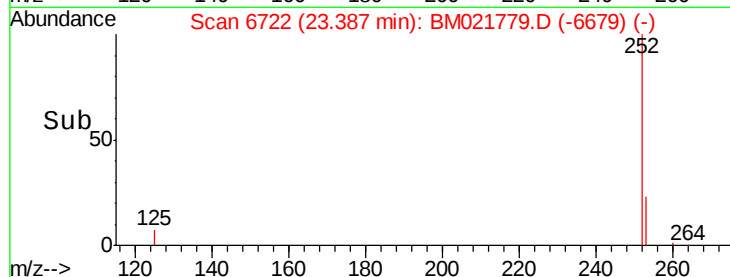
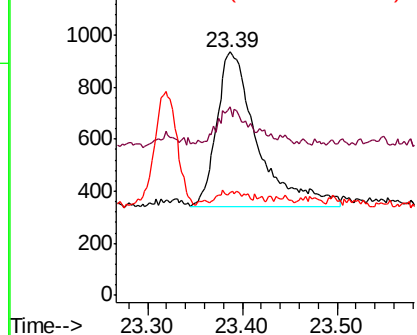
125 42.1 14.6 21.8#



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: 0.103 ng/u1

RT: 25.72 min Scan# 7684

Delta R.T. 0.02 min

Lab File: BM021779.D

Acq: 03 Aug 2019 17:29

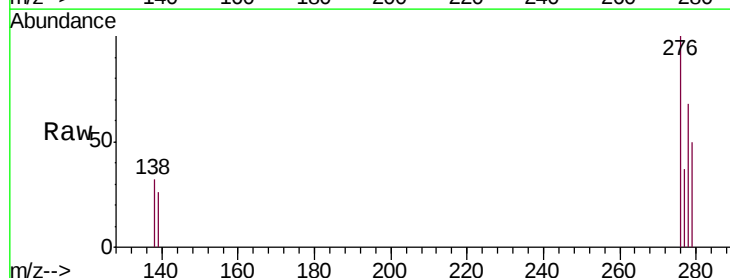
Tgt Ion:276 Resp: 2061

Ion Ratio Lower Upper

276 100

138 15.1 15.1 22.7#

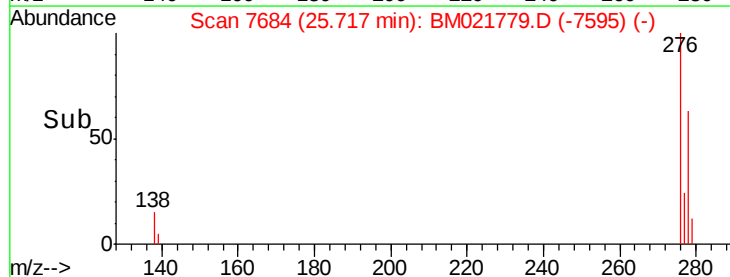
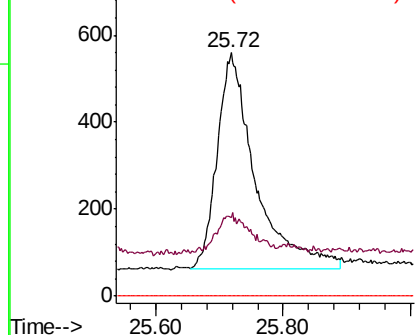
227 0.0 0.0 0.0

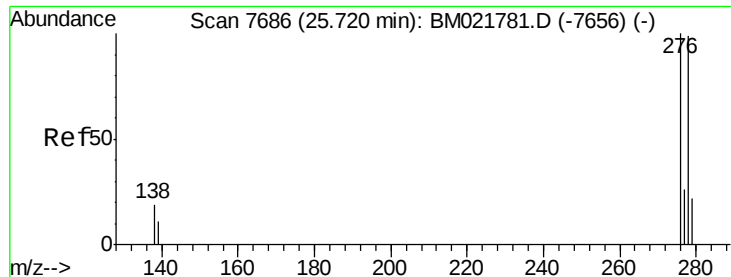


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.110 ng/ul

RT: 25.73 min Scan# 7689

Delta R.T. 0.01 min

Lab File: BM021779.D

Acq: 03 Aug 2019 17:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.119

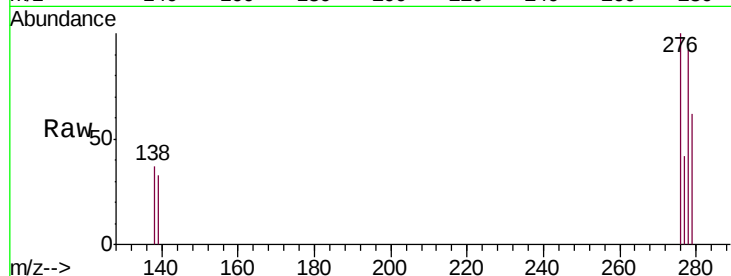
Tgt Ion:278 Resp: 1726

Ion Ratio Lower Upper

278 100

139 36.0 14.2 21.2#

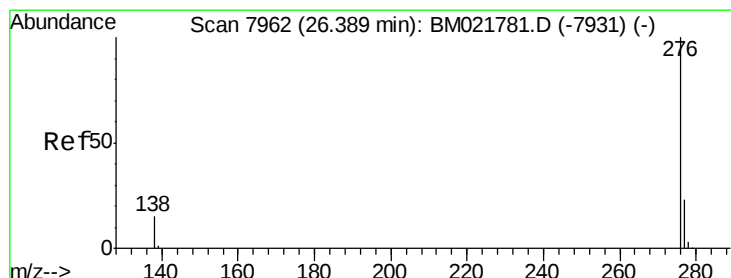
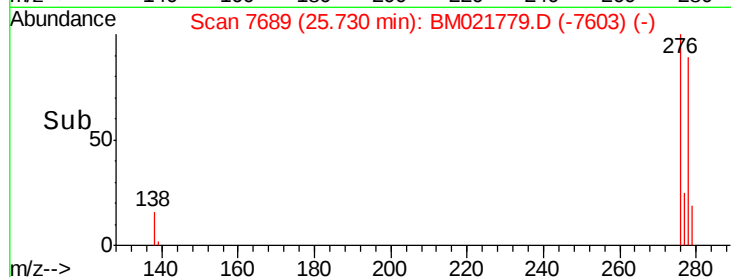
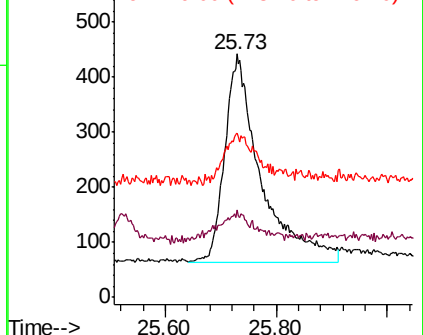
279 67.6 28.3 42.5#



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: 0.097 ng/ul

RT: 26.39 min Scan# 7963

Delta R.T. 0.00 min

Lab File: BM021779.D

Acq: 03 Aug 2019 17:29

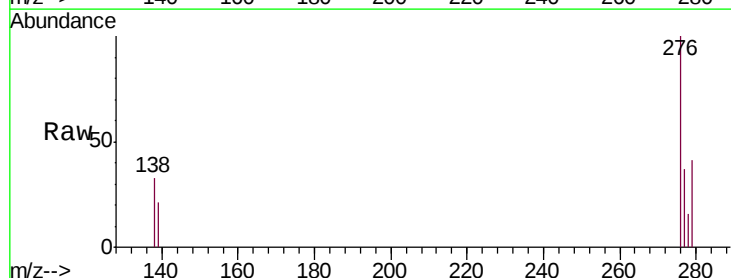
Tgt Ion:276 Resp: 1843

Ion Ratio Lower Upper

276 100

138 32.9 15.5 23.3#

277 36.5 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

