

Data File : BM021782.D
Acq On : 03 Aug 2019 19:18
Operator : HP/JU
Sample : SSTD0.822
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.822

Quant Time: Aug 03 22:38:29 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	764	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	2970	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	1664	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.06	188	3941	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	3889	0.40	ng/ul	0.00
20) Perylene-d12	23.48	264	4471	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.04	152	3839	0.93	ng/ul	-0.01
14) Fluoranthene-d10	19.09	212	9957	0.99	ng/ul	0.00

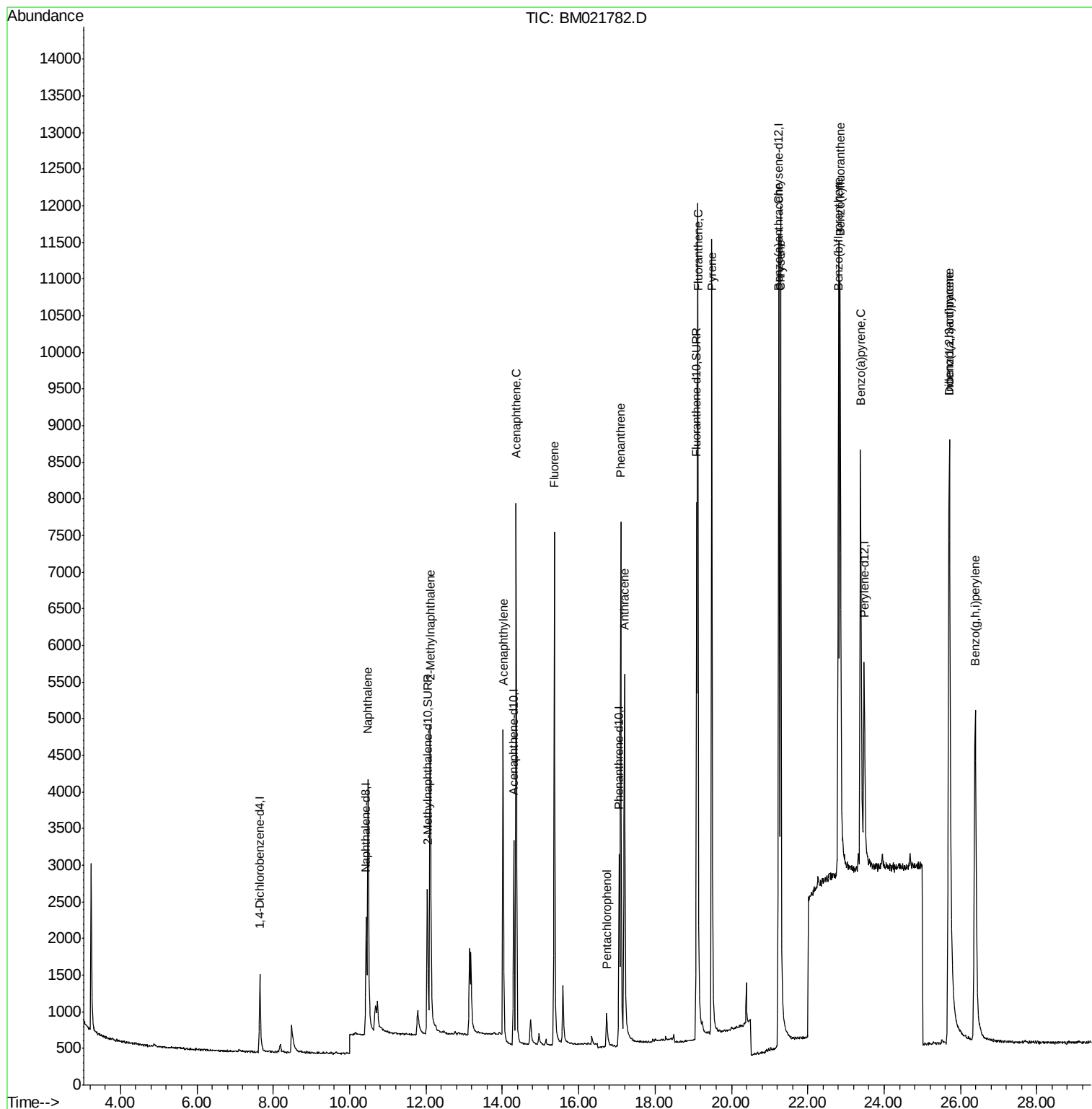
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.48	128	6466	0.774	ng/ul	95
5) 2-Methylnaphthalene	12.11	142	4394	0.890	ng/ul	98
7) Acenaphthylene	14.02	152	5858	0.706	ng/ul	96
8) Acenaphthene	14.36	153	4885	0.701	ng/ul	96
9) Fluorene	15.36	166	5413	0.733	ng/ul	97
11) Pentachlorophenol	16.73	266	573	0.991	ng/ul	87
12) Phenanthrene	17.10	178	8732	0.677	ng/ul	98
13) Anthracene	17.20	178	7600	0.757	ng/ul	97
15) Fluoranthene	19.12	202	11444	0.831	ng/ul	97
17) Pyrene	19.48	202	12088	0.708	ng/ul	99
18) Benzo(a)anthracene	21.24	228	10783	0.878	ng/ul	99
19) Chrysene	21.29	228	13103	0.670	ng/ul	99
21) Benzo(b)fluoranthene	22.81	252	11854	0.613	ng/ul	89
22) Benzo(k)fluoranthene	22.85	252	12783	0.627	ng/ul#	90
23) Benzo(a)pyrene	23.38	252	11460	0.728	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	25.70	276	13983	0.770	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.71	278	11255	0.790	ng/ul	92
26) Benzo(g,h,i)perylene	26.38	276	12619	0.731	ng/ul	98

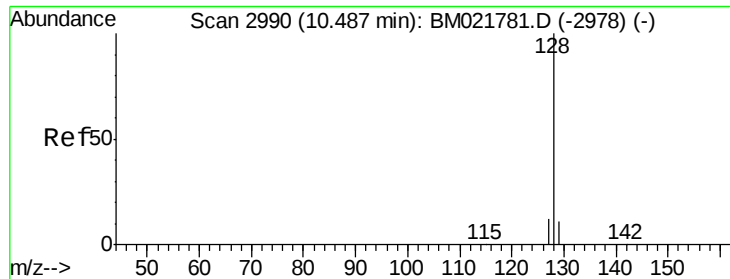
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.774 ng/ul

RT: 10.48 min Scan# 2988

Delta R.T. -0.01 min

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Acq: 03 Aug 2019 19:18

Instrument :

BNA_M

ClientSampleId :

SSTD0.822

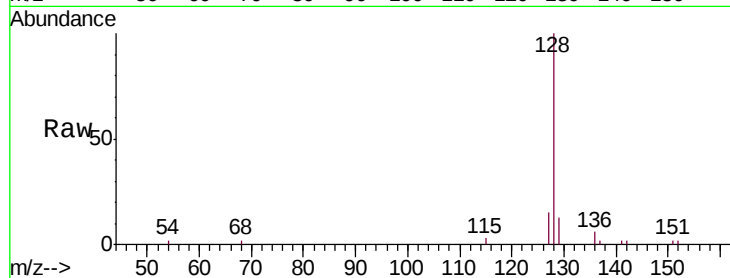
Tgt Ion:128 Resp: 6466

Ion Ratio Lower Upper

128 100

129 13.0 12.3 18.5

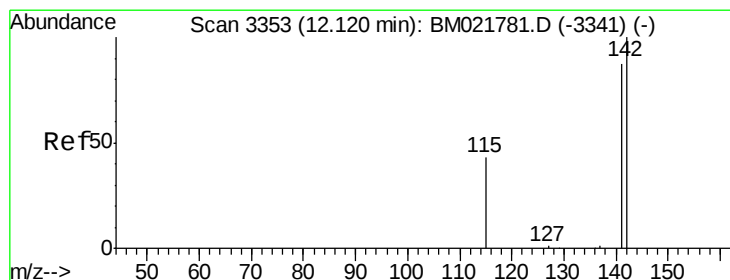
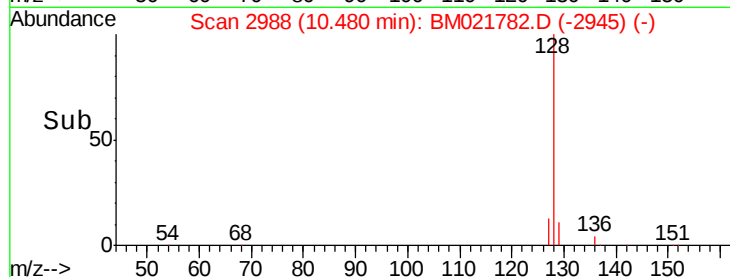
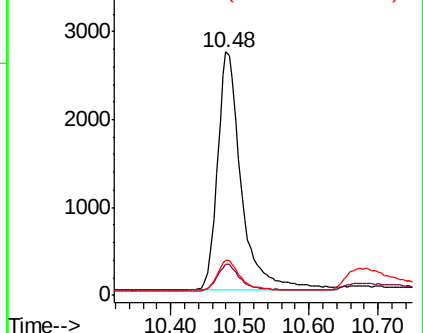
127 14.5 13.0 19.6



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: 0.890 ng/ul

RT: 12.11 min Scan# 3351

Delta R.T. -0.01 min

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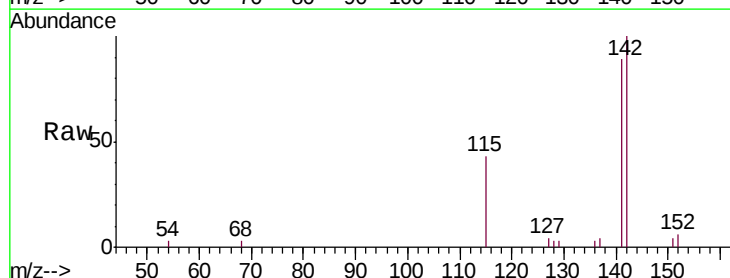
Acq: 03 Aug 2019 19:18

Tgt Ion:142 Resp: 4394

Ion Ratio Lower Upper

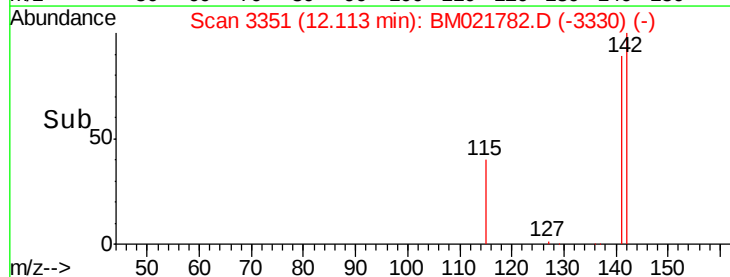
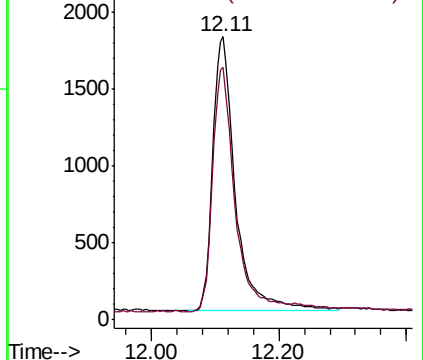
142 100

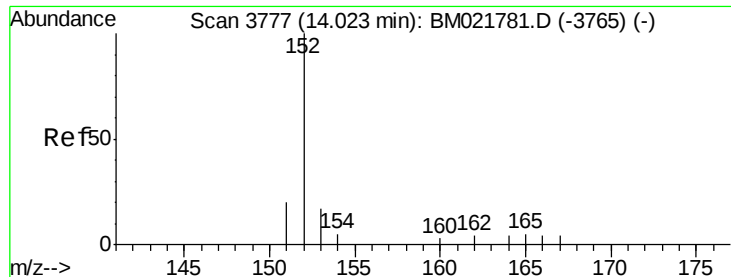
141 91.1 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.706 ng/ul

RT: 14.02 min Scan# 3775

Delta R.T. -0.01 min

Lab File: BM021782.D

Acq: 03 Aug 2019 19:18

Instrument :

BNA_M

ClientSampleId :

SSTD0.822

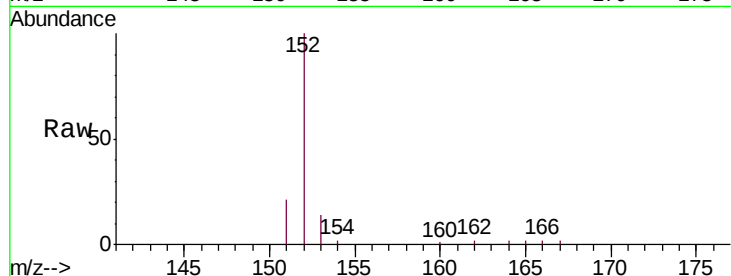
Tgt Ion:152 Resp: 5858

Ion Ratio Lower Upper

152 100

151 21.0 18.3 27.5

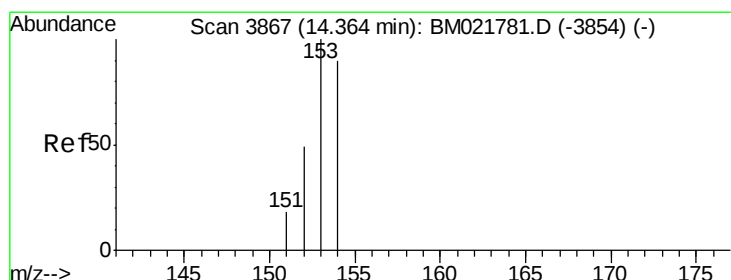
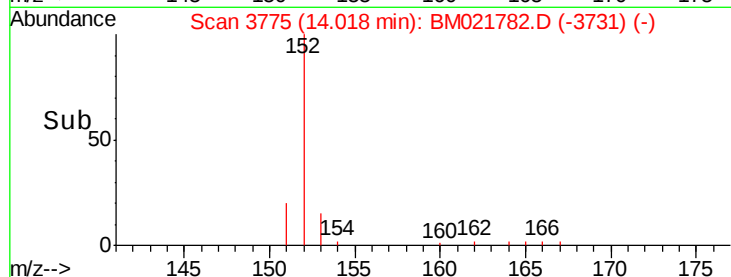
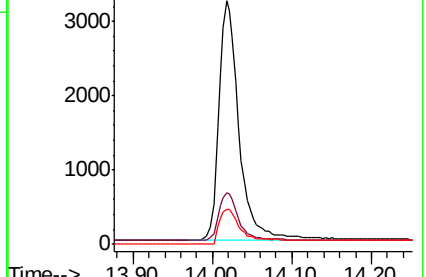
153 14.3 12.8 19.2



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: 0.701 ng/ul

RT: 14.36 min Scan# 3865

Delta R.T. -0.01 min

Lab File: BM021782.D

Acq: 03 Aug 2019 19:18

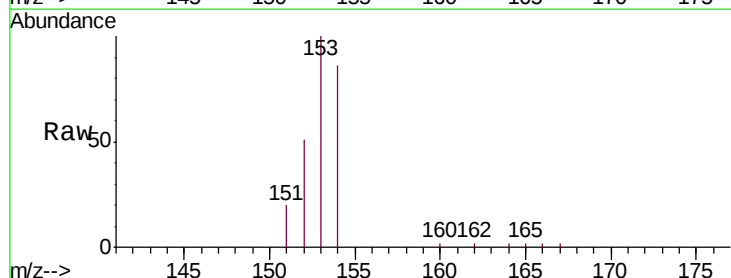
Tgt Ion:153 Resp: 4885

Ion Ratio Lower Upper

153 100

152 50.8 41.3 61.9

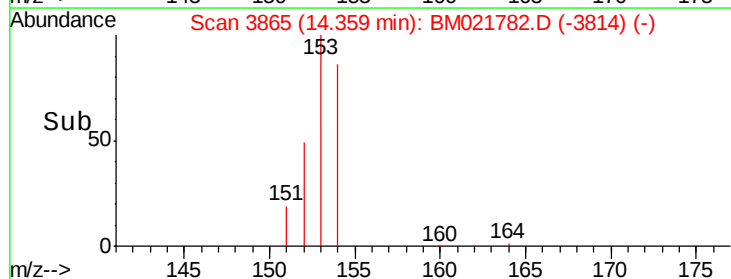
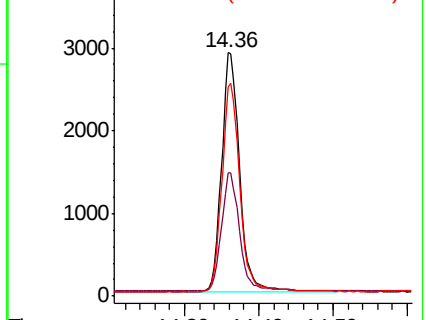
154 85.7 72.3 108.5

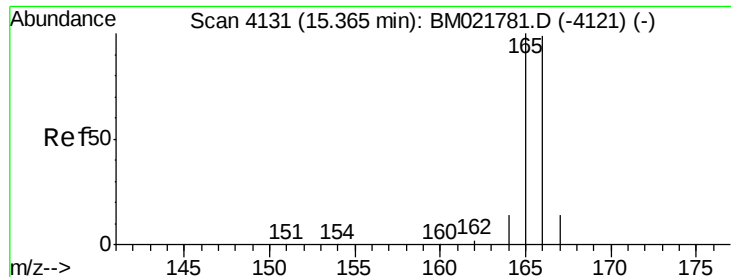


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.733 ng/ul

RT: 15.36 min Scan# 4129

Delta R.T. -0.01 min

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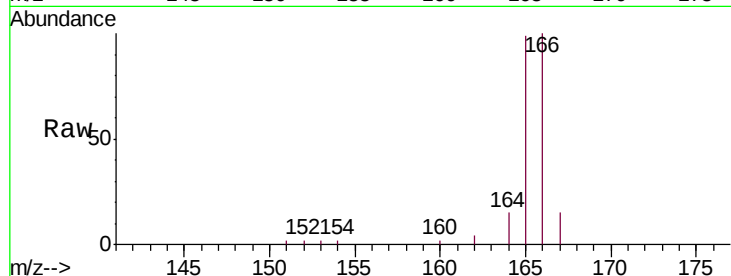
Tgt Ion:166 Resp: 5413

Ion Ratio Lower Upper

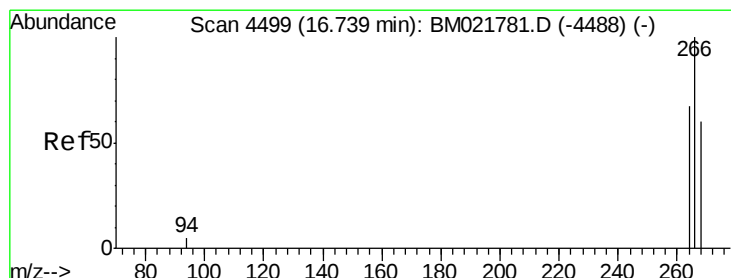
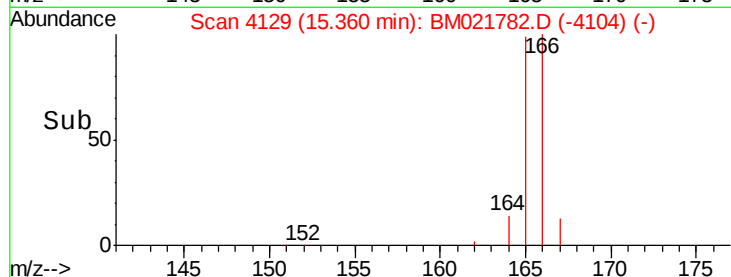
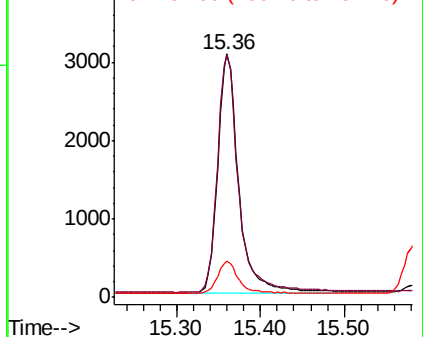
166 100

165 99.4 81.4 122.0

167 14.8 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: 0.991 ng/ul

RT: 16.73 min Scan# 4496

Delta R.T. -0.01 min

Lab File: BM021782.D

Acq: 03 Aug 2019 19:18

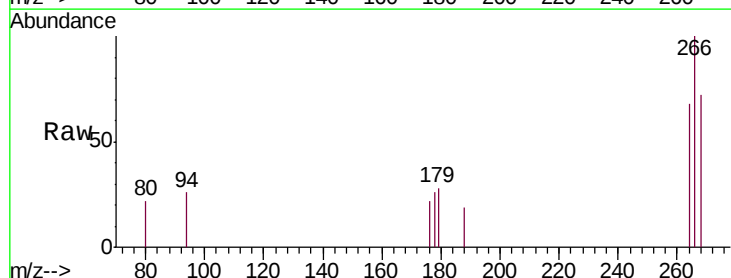
Tgt Ion:266 Resp: 573

Ion Ratio Lower Upper

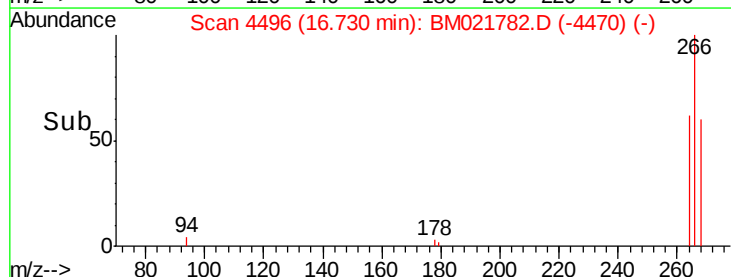
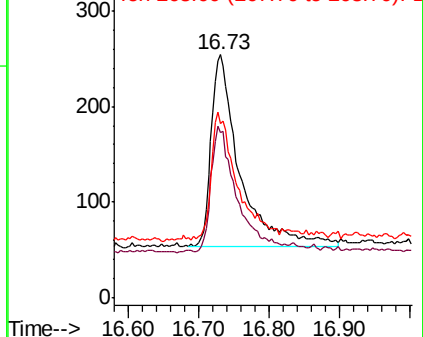
266 100

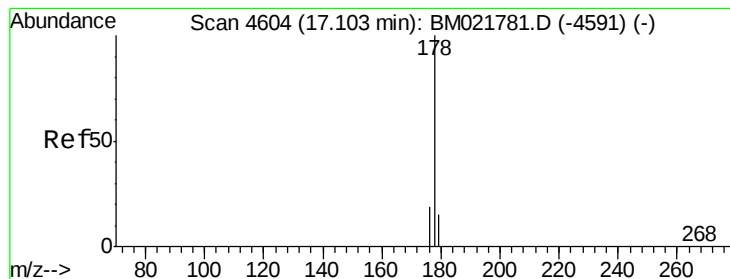
264 58.8 54.2 81.2

268 59.3 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: 0.677 ng/ul

RT: 17.10 min Scan# 4602

Delta R.T. -0.01 min

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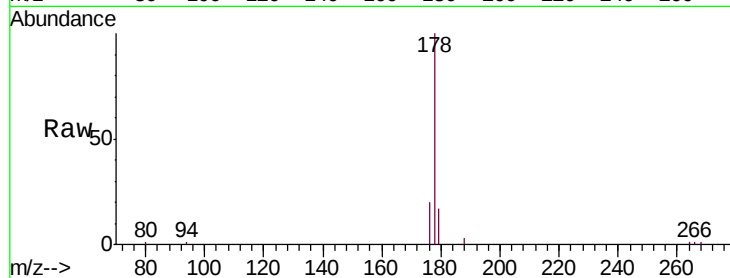
Tgt Ion:178 Resp: 8732

Ion Ratio Lower Upper

178 100

179 16.7 14.2 21.2

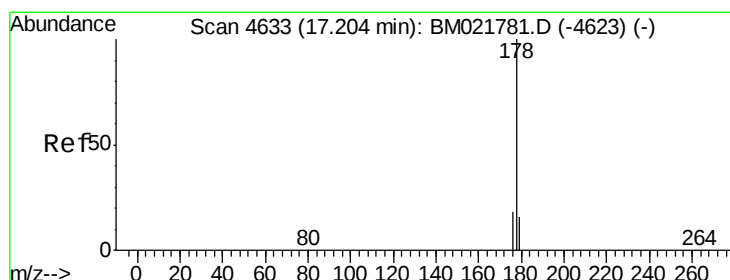
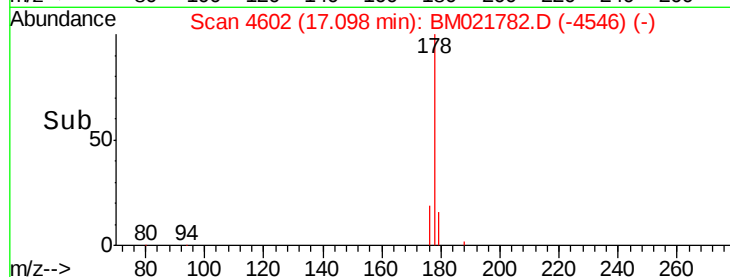
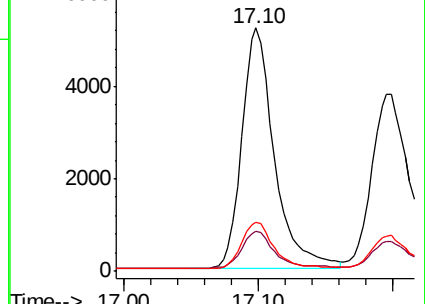
176 20.2 16.8 25.2



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: 0.757 ng/ul

RT: 17.20 min Scan# 4631

Delta R.T. -0.01 min

Lab File: BM021782.D

Acq: 03 Aug 2019 19:18

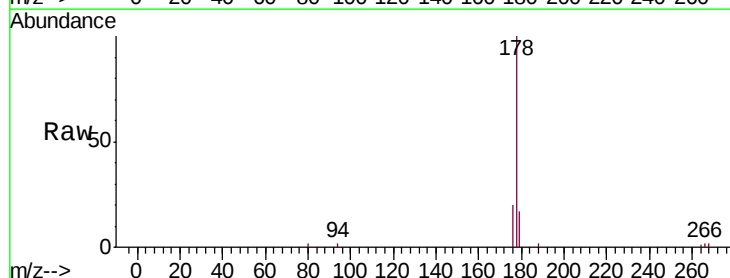
Tgt Ion:178 Resp: 7600

Ion Ratio Lower Upper

178 100

179 16.7 15.5 23.3

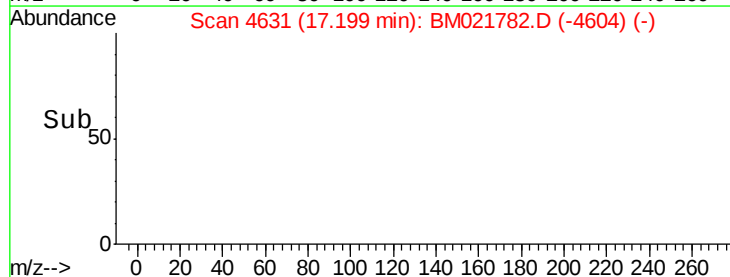
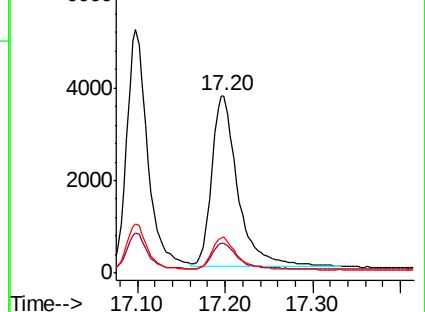
176 20.3 16.6 25.0

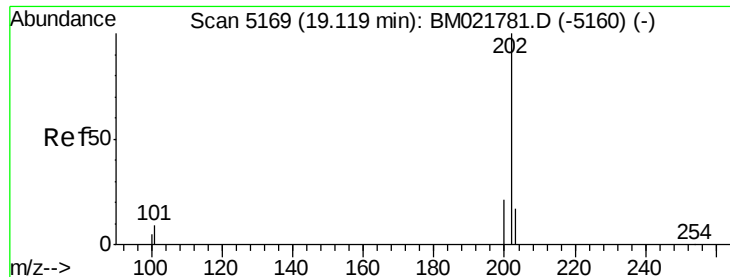


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.831 ng/ul

RT: 19.12 min Scan# 5168

Delta R.T. -0.00 min

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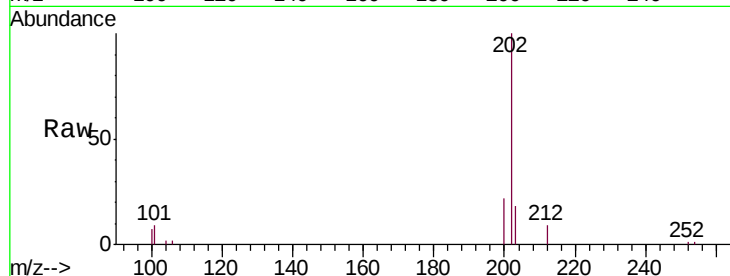
Tgt Ion:202 Resp: 11444

Ion Ratio Lower Upper

202 100

101 9.2 0.0 30.2

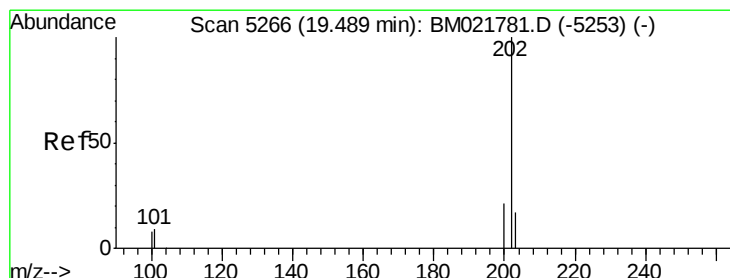
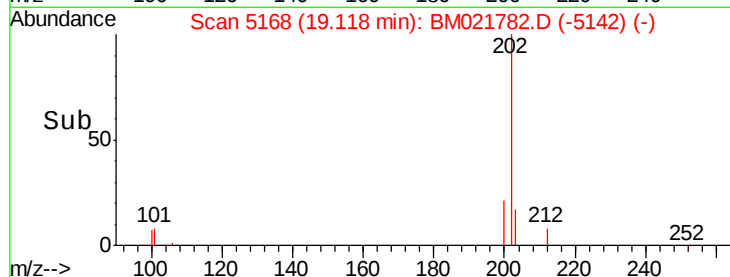
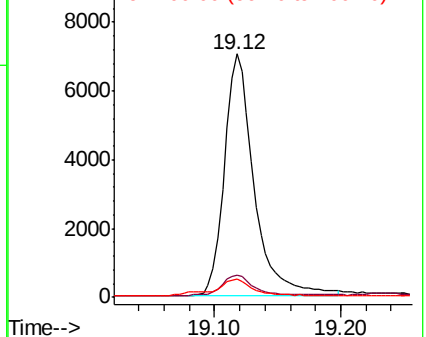
100 7.3 0.0 28.1



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: 0.708 ng/ul

RT: 19.48 min Scan# 5264

Delta R.T. -0.01 min

Lab File: BM021782.D

Acq: 03 Aug 2019 19:18

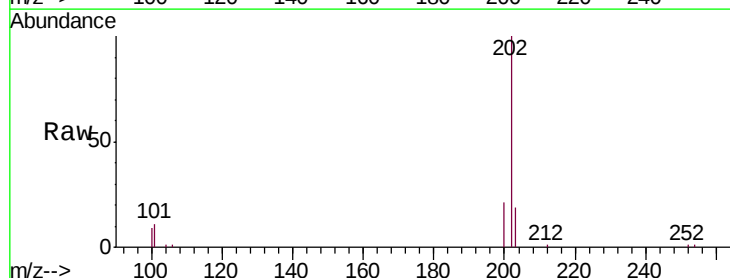
Tgt Ion:202 Resp: 12088

Ion Ratio Lower Upper

202 100

101 11.0 8.3 12.5

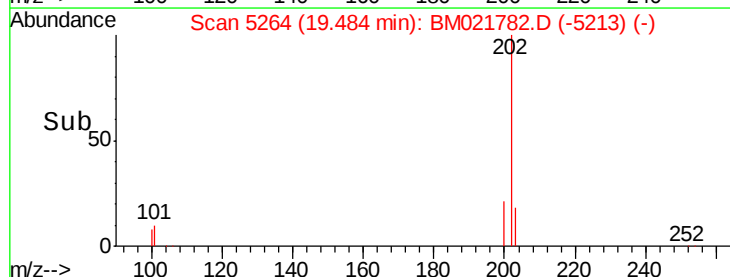
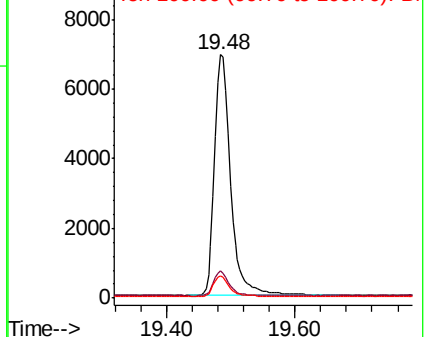
100 8.9 7.2 10.8

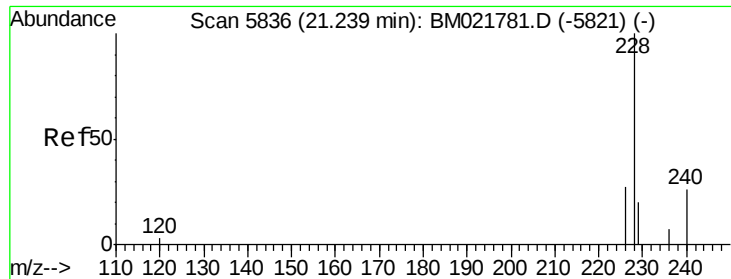


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.878 ng/u1

RT: 21.24 min Scan# 5834

Delta R.T. -0.00 min

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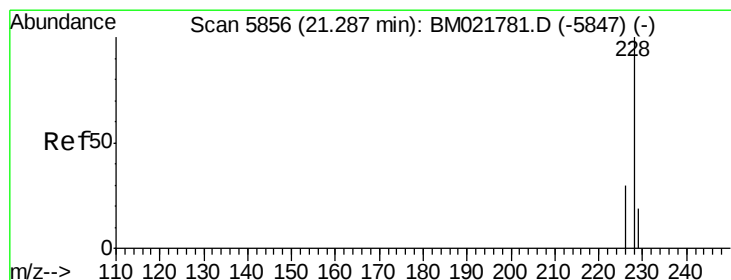
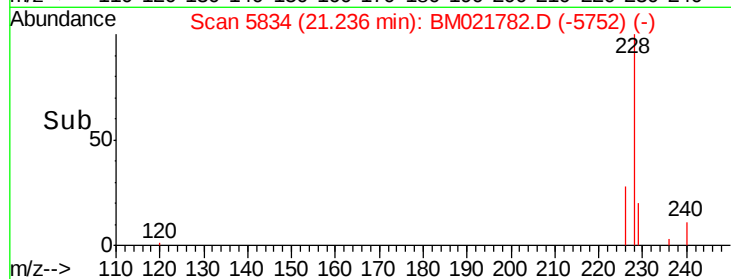
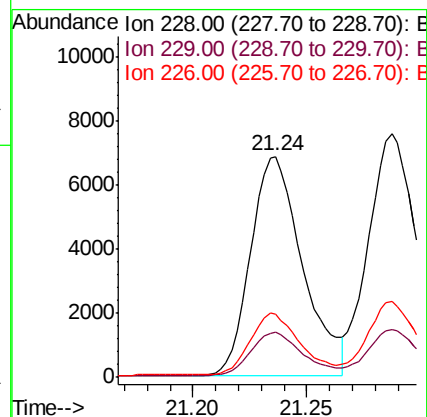
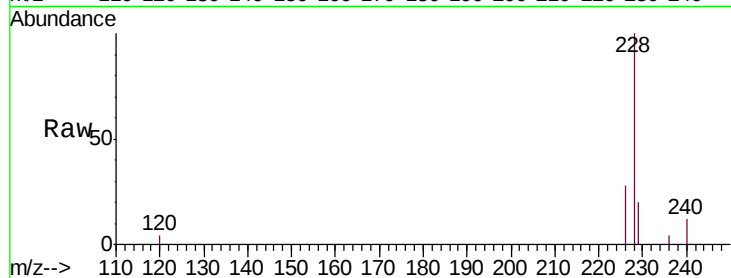
Tgt Ion:228 Resp: 10783

Ion Ratio Lower Upper

228 100

229 20.3 17.2 25.8

226 28.3 22.6 34.0



#19

Chrysene

Concen: 0.670 ng/u1

RT: 21.29 min Scan# 5855

Delta R.T. -0.00 min

Lab File: BM021782.D

Acq: 03 Aug 2019 19:18

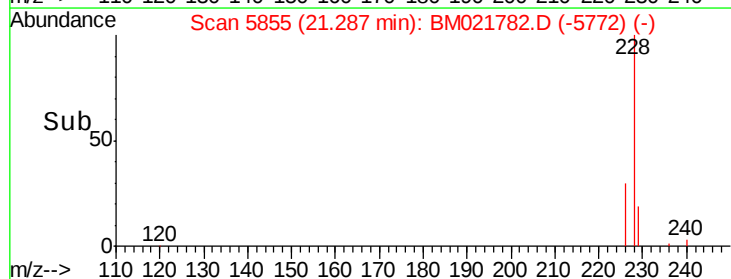
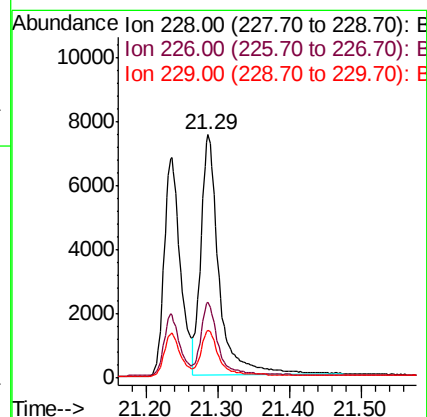
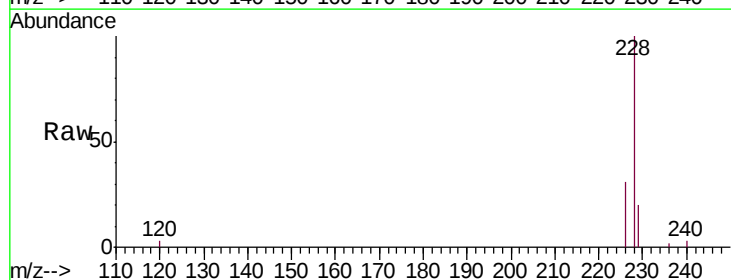
Tgt Ion:228 Resp: 13103

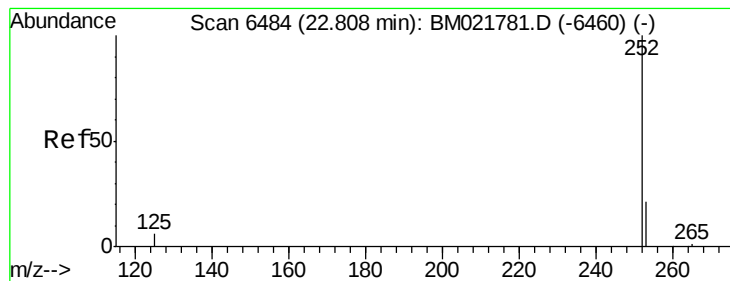
Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

229 19.7 16.6 25.0





#21

Benzo(b)fluoranthene

Concen: 0.613 ng/ul

RT: 22.81 min Scan# 6482

Delta R.T. -0.00 min

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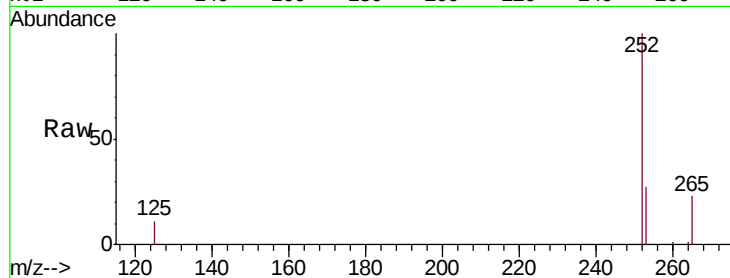
Tgt Ion:252 Resp: 11854

Ion Ratio Lower Upper

252 100

253 27.5 0.0 67.4

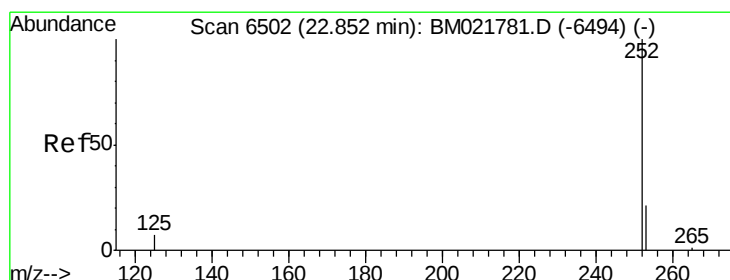
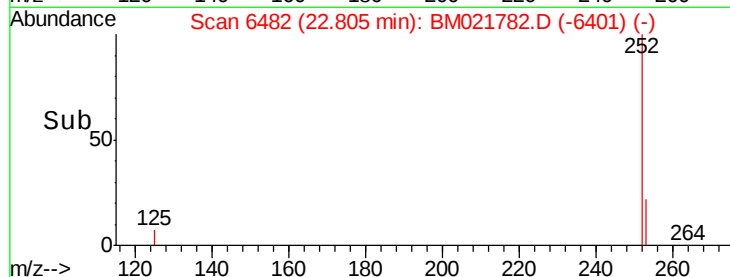
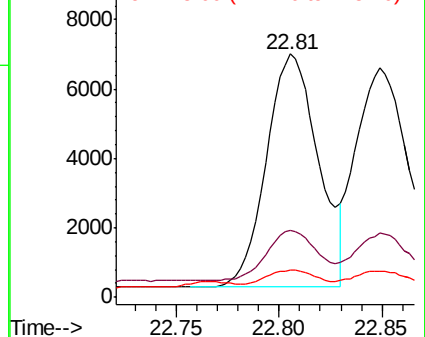
125 11.4 0.0 31.0



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: 0.627 ng/ul

RT: 22.85 min Scan# 6500

Delta R.T. -0.00 min

Lab File: BM021782.D

Acq: 03 Aug 2019 19:18

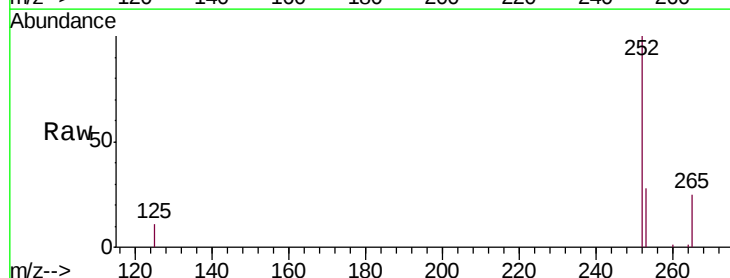
Tgt Ion:252 Resp: 12783

Ion Ratio Lower Upper

252 100

253 28.2 27.0 40.4

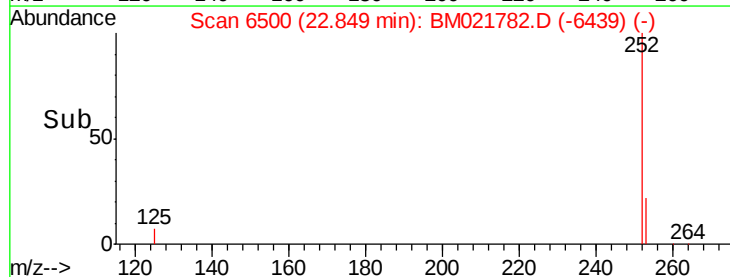
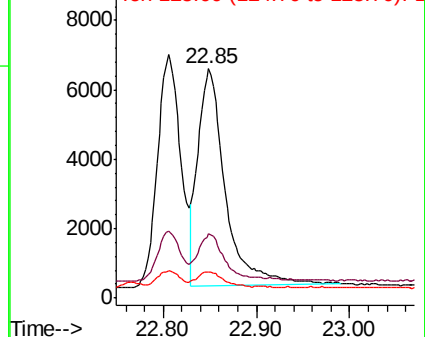
125 11.3 12.2 18.2#

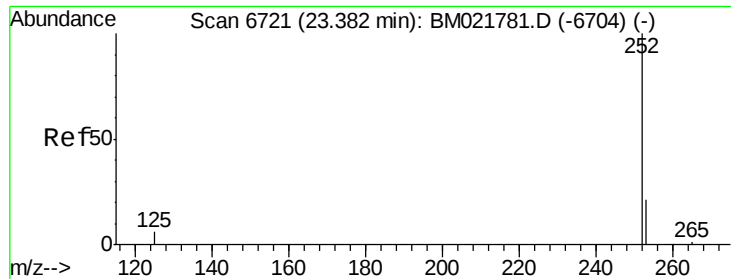


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.728 ng/ul

RT: 23.38 min Scan# 6720

Delta R.T. -0.00 min

Lab File: BM021782.D

Acq: 03 Aug 2019 19:18

Instrument :

BNA_M

ClientSampleId :

SSTD0.822

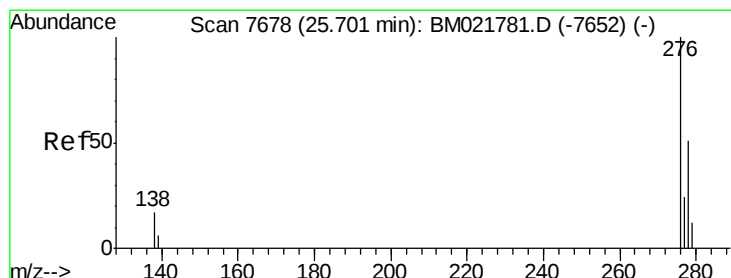
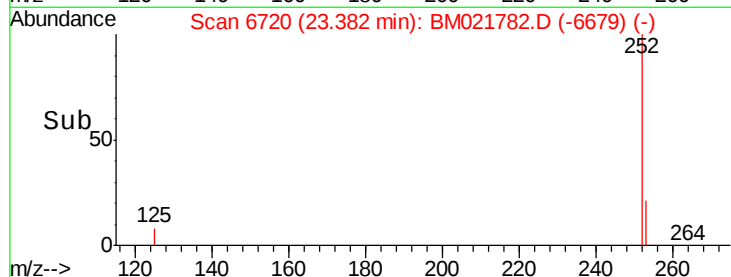
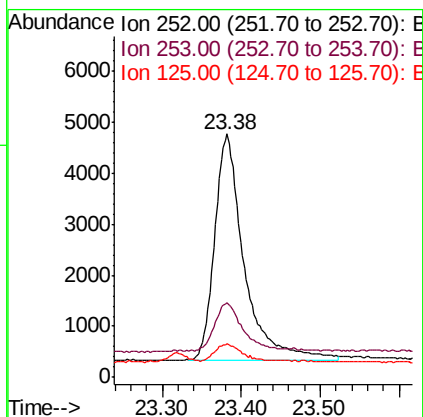
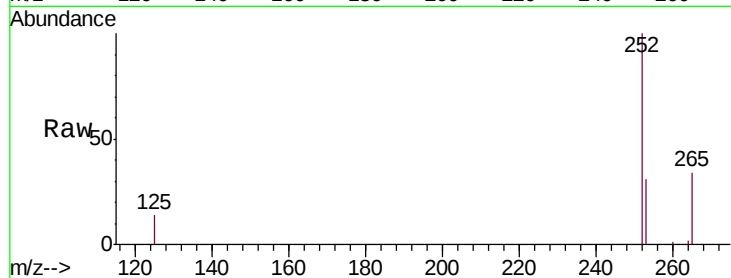
Tgt Ion:252 Resp: 11460

Ion Ratio Lower Upper

252 100

253 30.7 31.7 47.5#

125 13.8 14.6 21.8#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.770 ng/ul

RT: 25.70 min Scan# 7676

Delta R.T. -0.00 min

Lab File: BM021782.D

Acq: 03 Aug 2019 19:18

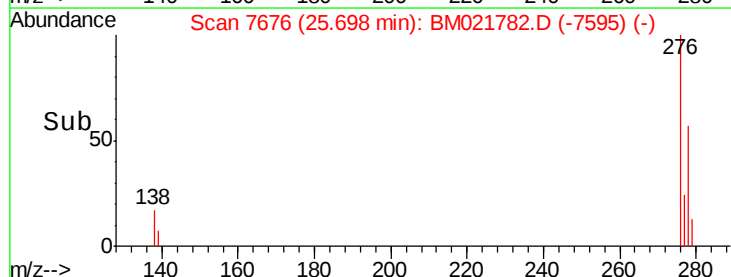
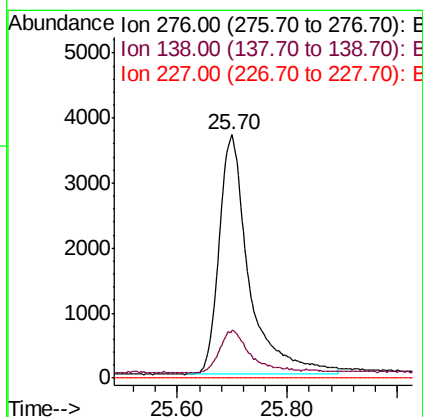
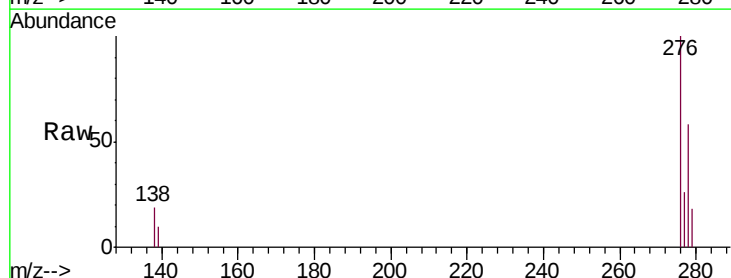
Tgt Ion:276 Resp: 13983

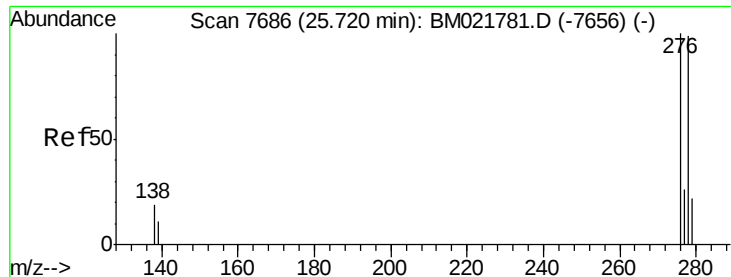
Ion Ratio Lower Upper

276 100

138 18.9 15.1 22.7

227 0.0 0.0 0.0





#25

Dibenzo(a,h)anthracene

Concen: 0.790 ng/ul

RT: 25.71 min Scan# 7680

Delta R.T. -0.01 min

Lab File: BM021782.D

Acq: 03 Aug 2019 19:18

Instrument :

BNA_M

ClientSampleId :

SSTD0.822

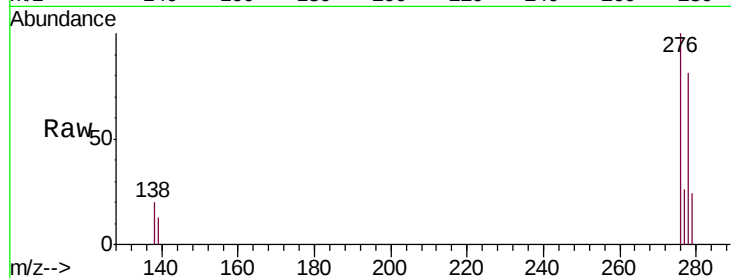
Tgt Ion:278 Resp: 11255

Ion Ratio Lower Upper

278 100

139 15.5 14.2 21.2

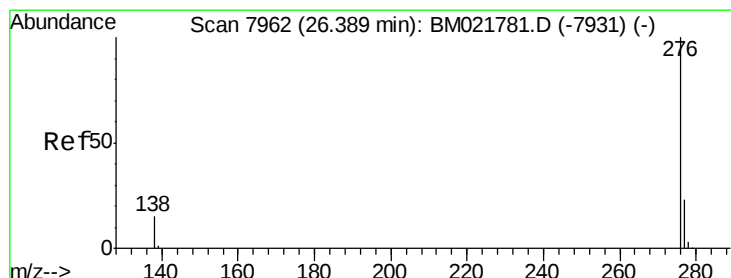
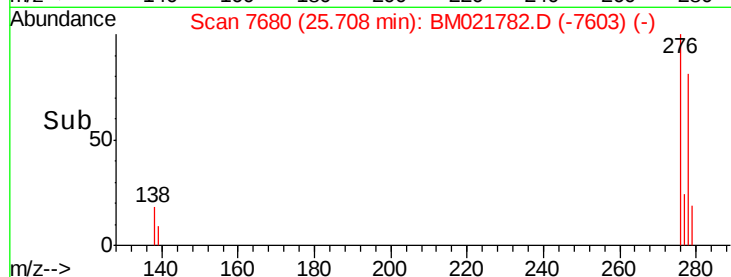
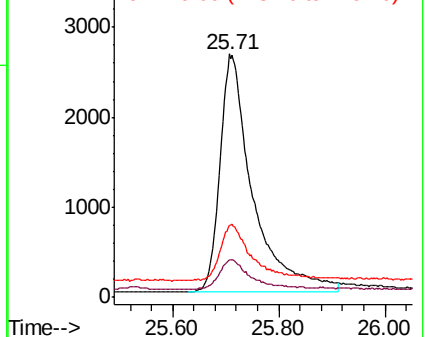
279 29.9 28.3 42.5



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: 0.731 ng/ul

RT: 26.38 min Scan# 7959

Delta R.T. -0.01 min

Lab File: BM021782.D

Acq: 03 Aug 2019 19:18

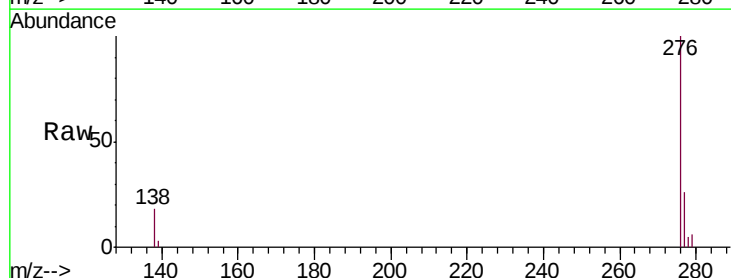
Tgt Ion:276 Resp: 12619

Ion Ratio Lower Upper

276 100

138 18.3 15.5 23.3

277 25.9 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

