

Data File : BM021915.D
Acq On : 08 Aug 2019 02:47
Operator : HP/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.441

Quant Time: Aug 08 06:54:45 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 : Thu Aug 08 04:39:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	684	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	3115	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	1683	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	3690	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	3455	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	3991	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	1977	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	4388	0.35	ng/ul	0.00

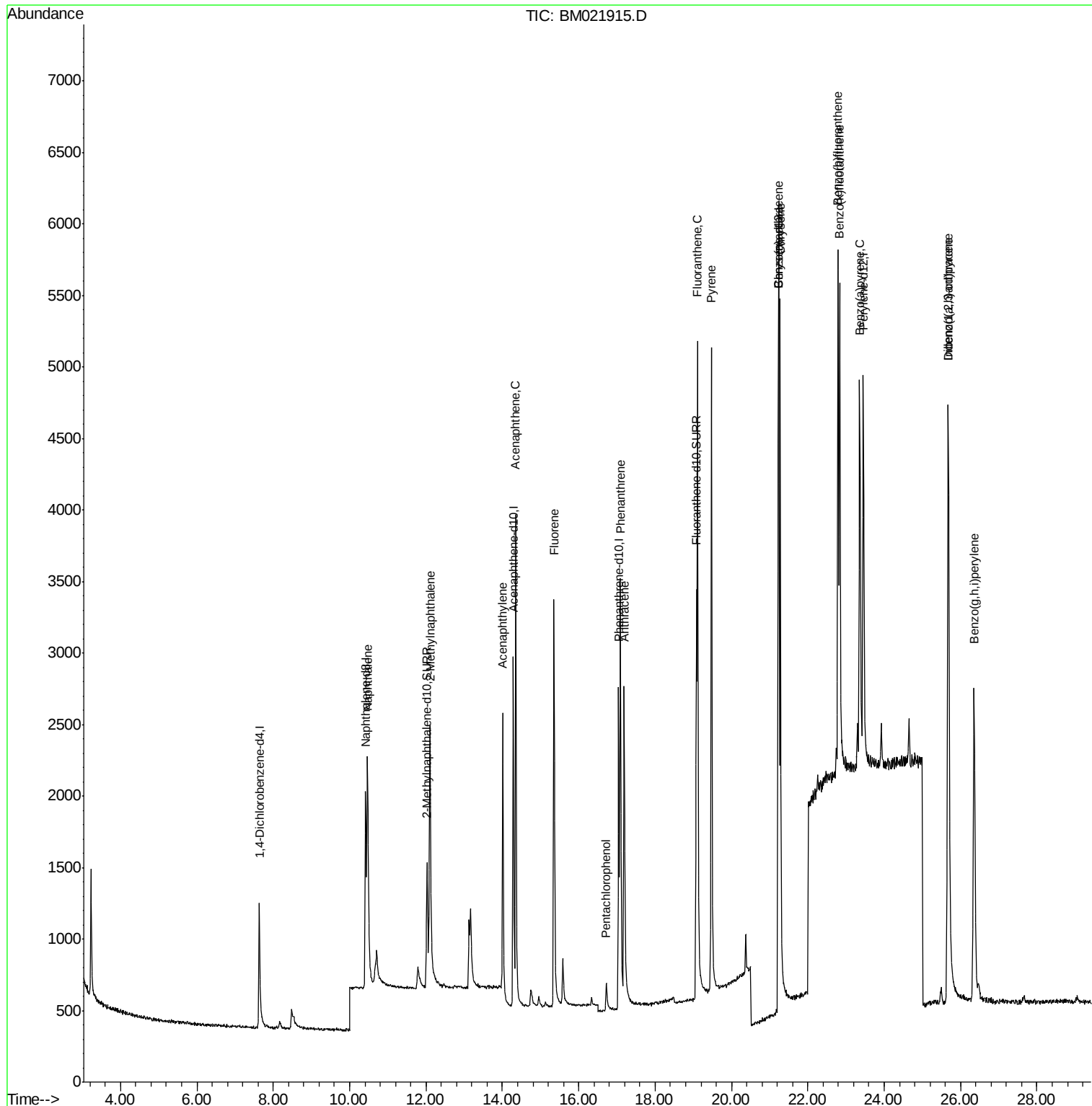
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.47	128	3251	0.369	ng/ul	100
5) 2-Methylnaphthalene	12.11	142	2238	0.382	ng/ul	99
7) Acenaphthylene	14.01	152	2973	0.379	ng/ul	99
8) Acenaphthene	14.35	153	2454	0.382	ng/ul	97
9) Fluorene	15.35	166	2596	0.364	ng/ul	98
11) Pentachlorophenol	16.72	266	264	0.388	ng/ul#	83
12) Phenanthrene	17.09	178	3961	0.369	ng/ul	99
13) Anthracene	17.19	178	3481	0.380	ng/ul	98
15) Fluoranthene	19.11	202	4887	0.340	ng/ul	98
17) Pyrene	19.47	202	5156	0.363	ng/ul#	95
18) Benzo(a)anthracene	21.23	228	4549	0.368	ng/ul	99
19) Chrysene	21.28	228	5615	0.353	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	4974	0.370	ng/ul	99
22) Benzo(k)fluoranthene	22.83	252	5456	0.358	ng/ul	98
23) Benzo(a)pyrene	23.36	252	4981	0.364	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.68	276	5948	0.364	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.69	278	4775	0.362	ng/ul	98
26) Benzo(g,h,i)perylene	26.35	276	5248	0.357	ng/ul	96

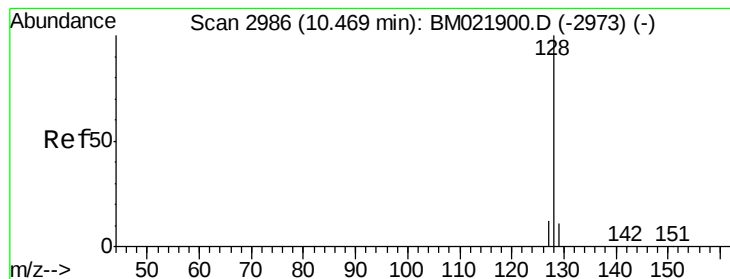
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.369 ng/ul

RT: 10.47 min Scan# 2986

Delta R.T. -0.00 min

Lab File: BM021915.D

Acq: 08 Aug 2019 02:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

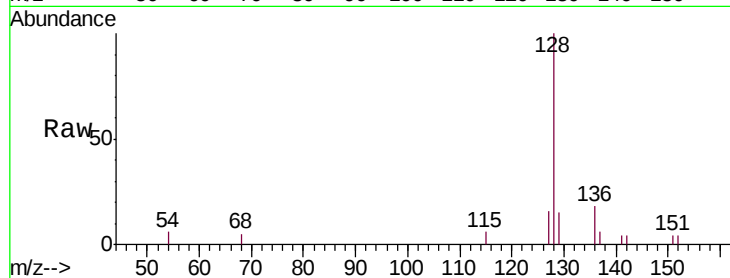
Tgt Ion:128 Resp: 3251

Ion Ratio Lower Upper

128 100

129 15.2 12.3 18.5

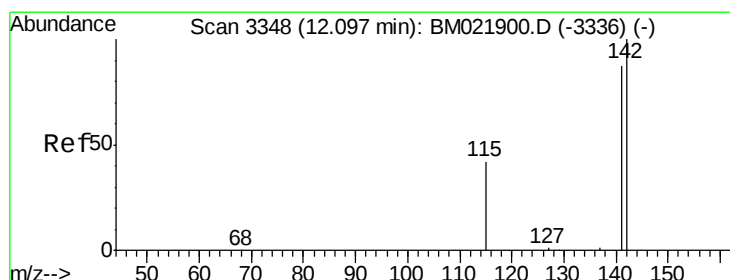
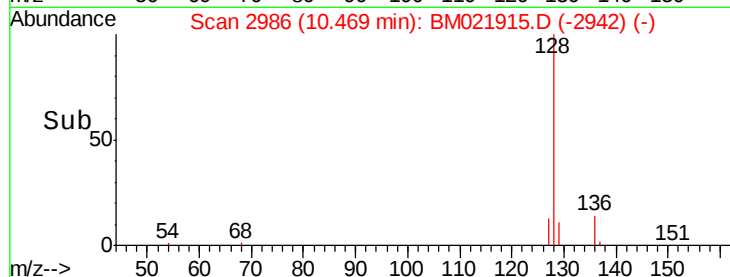
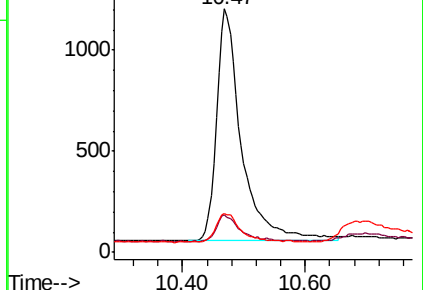
127 16.2 13.0 19.6



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: 0.382 ng/ul

RT: 12.11 min Scan# 3350

Delta R.T. 0.01 min

Lab File: BM021915.D

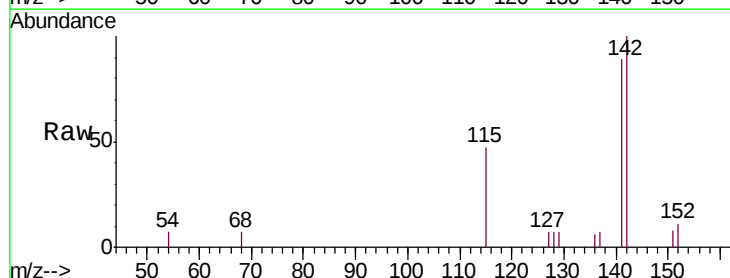
Acq: 08 Aug 2019 02:47

Tgt Ion:142 Resp: 2238

Ion Ratio Lower Upper

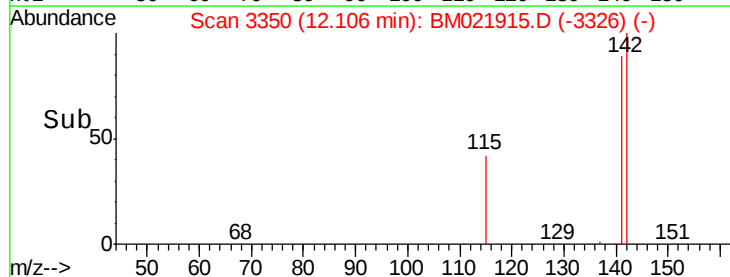
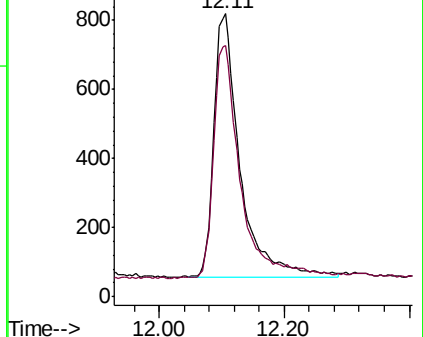
142 100

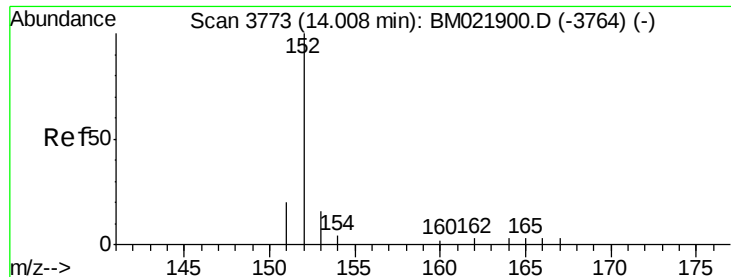
141 91.6 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.379 ng/ul

RT: 14.01 min Scan# 3773

Delta R.T. -0.00 min

Lab File: BM021915.D

Acq: 08 Aug 2019 02:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

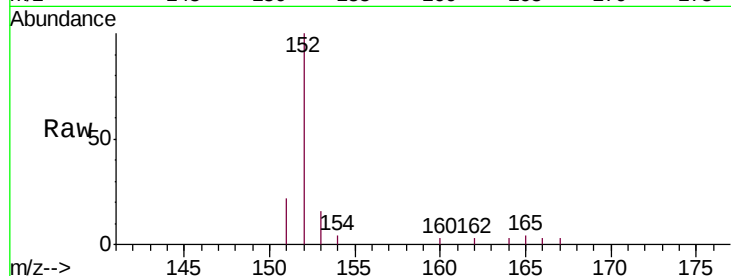
Tgt Ion:152 Resp: 2973

Ion Ratio Lower Upper

152 100

151 22.3 18.3 27.5

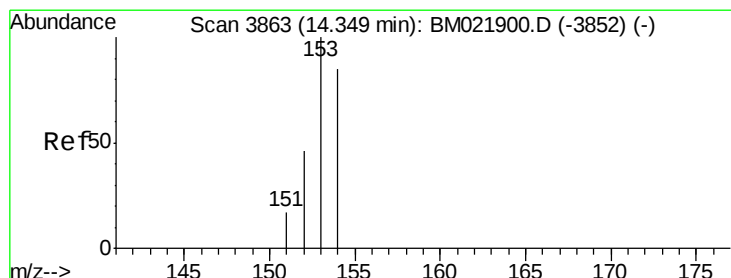
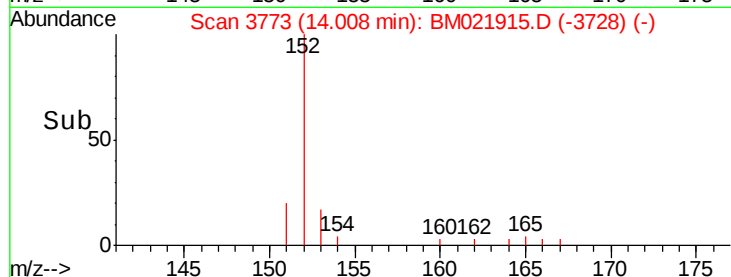
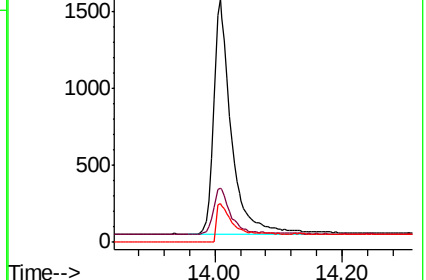
153 16.0 12.8 19.2



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: 0.382 ng/ul

RT: 14.35 min Scan# 3863

Delta R.T. -0.00 min

Lab File: BM021915.D

Acq: 08 Aug 2019 02:47

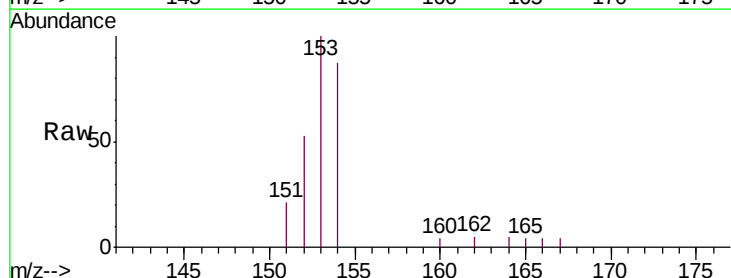
Tgt Ion:153 Resp: 2454

Ion Ratio Lower Upper

153 100

152 53.1 41.3 61.9

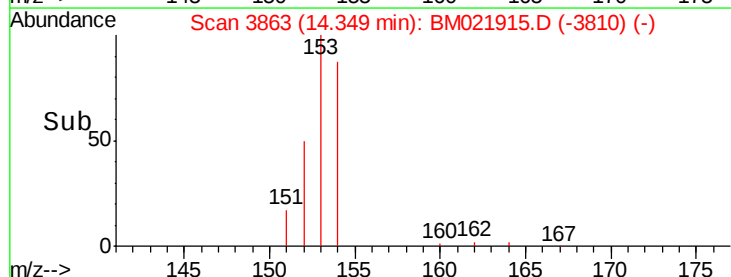
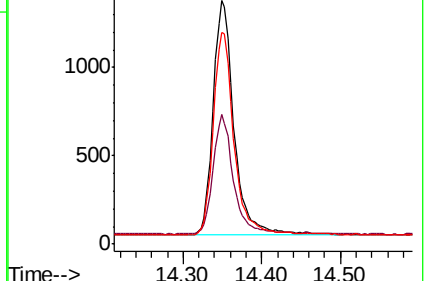
154 86.9 72.3 108.5

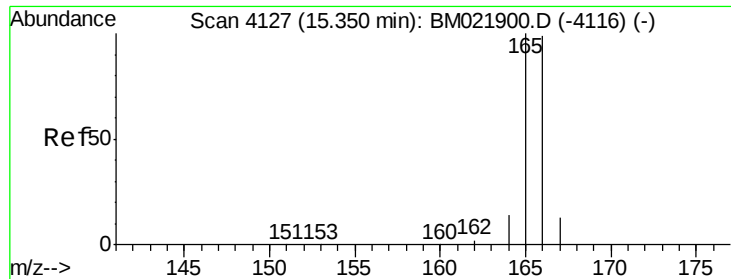


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.364 ng/ul

RT: 15.35 min Scan# 4128

Delta R.T. 0.00 min

Lab File: BM021915.D

Acq: 08 Aug 2019 02:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

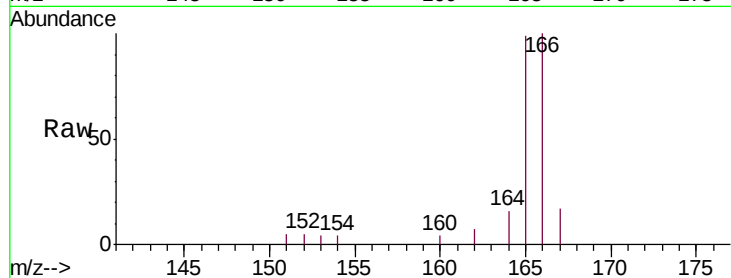
Tgt Ion:166 Resp: 2596

Ion Ratio Lower Upper

166 100

165 99.2 81.4 122.0

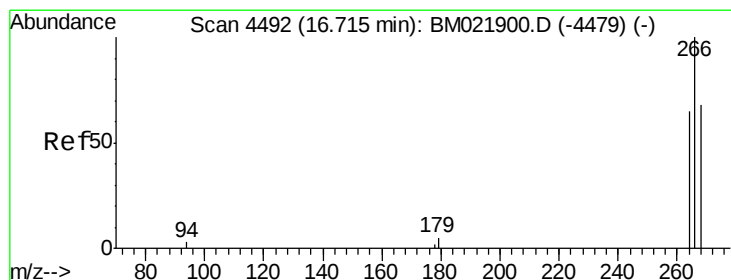
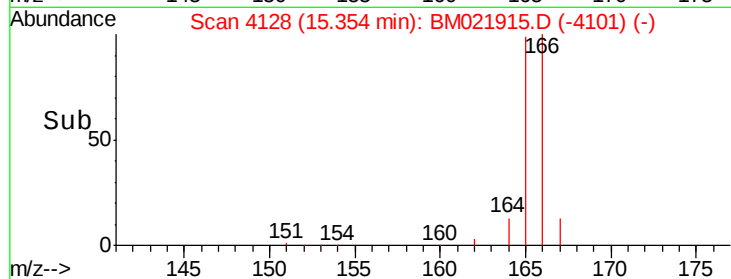
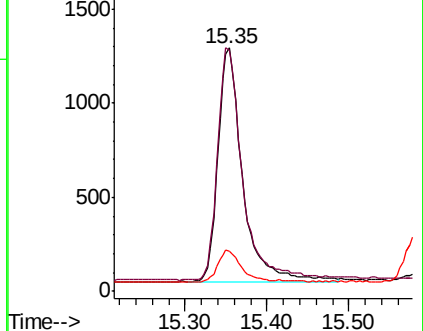
167 16.6 13.7 20.5



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: 0.388 ng/ul

RT: 16.72 min Scan# 4494

Delta R.T. 0.01 min

Lab File: BM021915.D

Acq: 08 Aug 2019 02:47

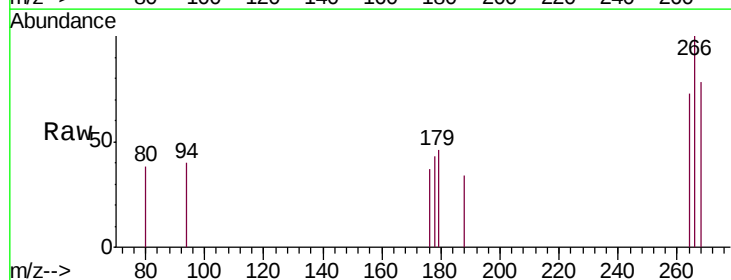
Tgt Ion:266 Resp: 264

Ion Ratio Lower Upper

266 100

264 56.4 54.2 81.2

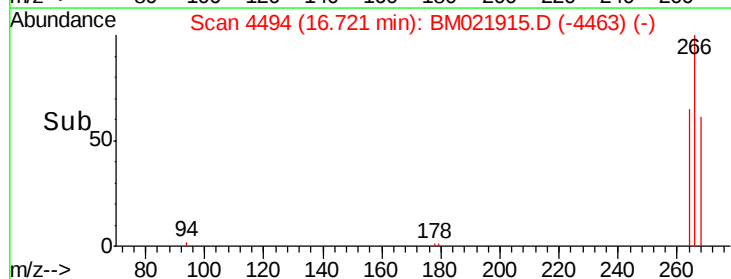
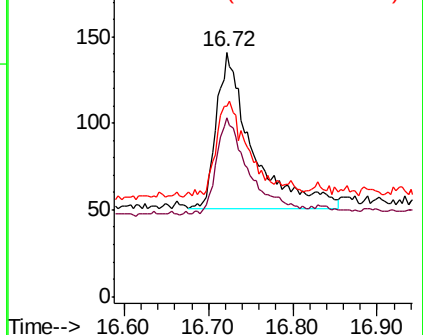
268 55.3 57.6 86.4#

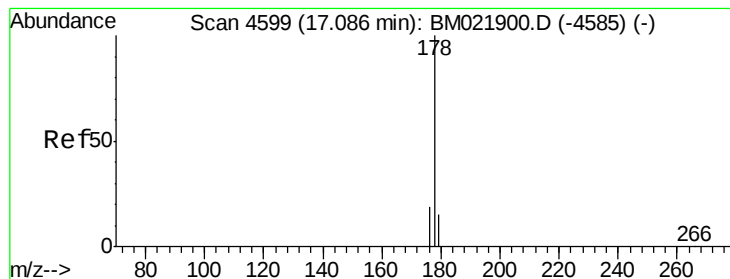


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.369 ng/ul

RT: 17.09 min Scan# 4601

Delta R.T. 0.01 min

Lab File: BM021915.D

Acq: 08 Aug 2019 02:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

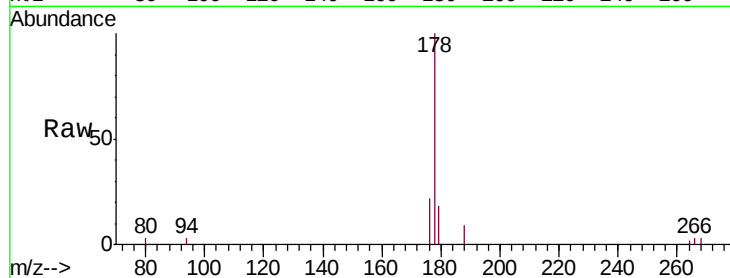
Tgt Ion:178 Resp: 3961

Ion Ratio Lower Upper

178 100

179 17.8 14.2 21.2

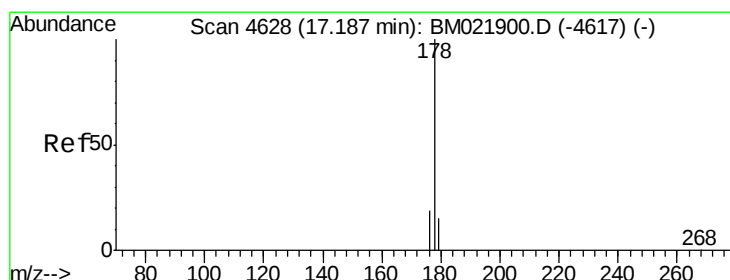
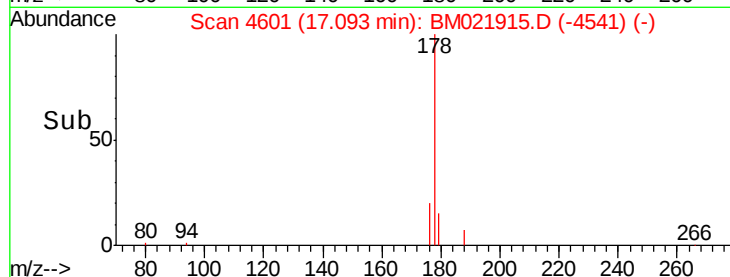
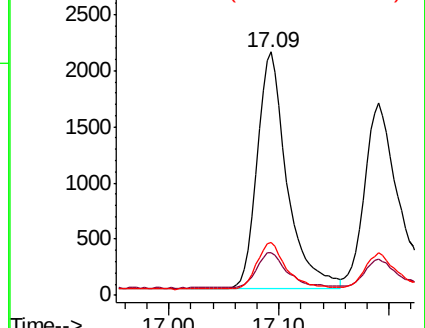
176 21.7 16.8 25.2



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: 0.380 ng/ul

RT: 17.19 min Scan# 4629

Delta R.T. 0.00 min

Lab File: BM021915.D

Acq: 08 Aug 2019 02:47

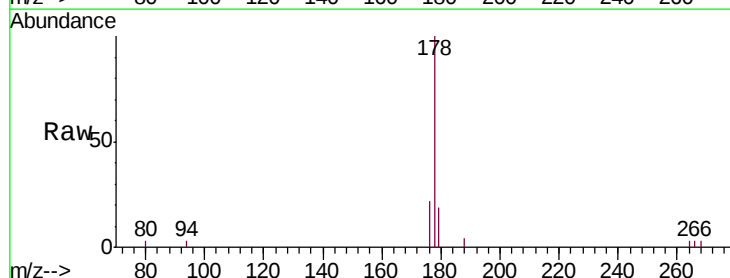
Tgt Ion:178 Resp: 3481

Ion Ratio Lower Upper

178 100

179 18.7 15.5 23.3

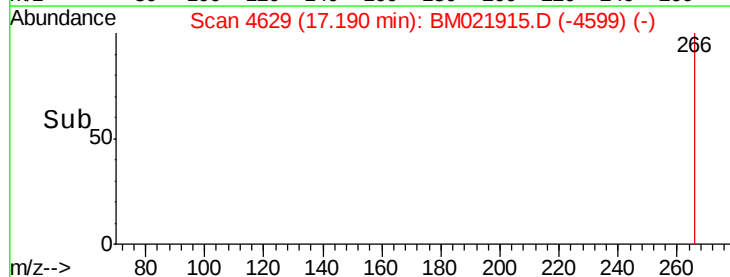
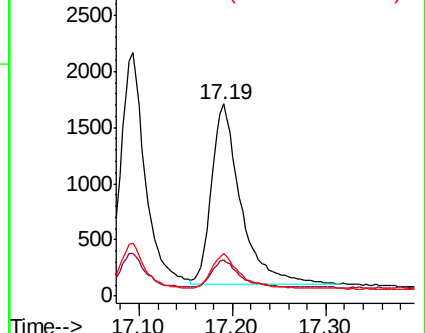
176 22.3 16.6 25.0

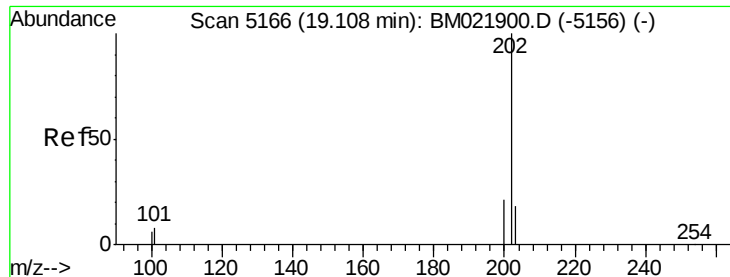


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

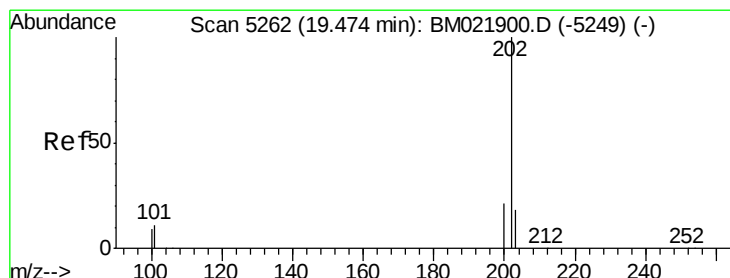
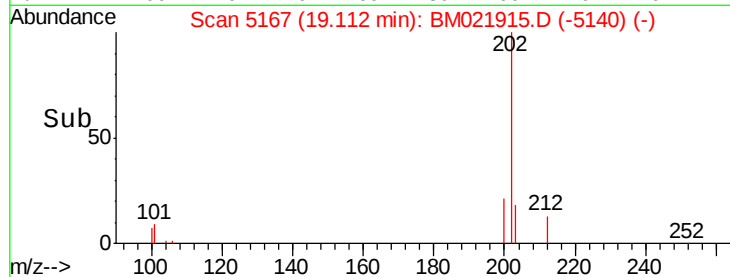
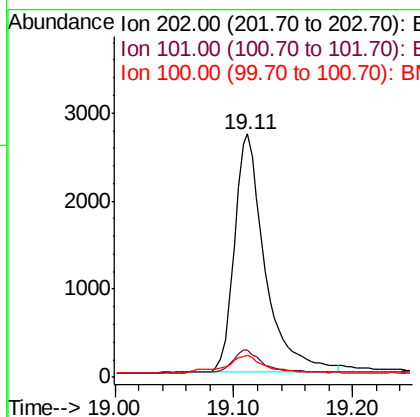
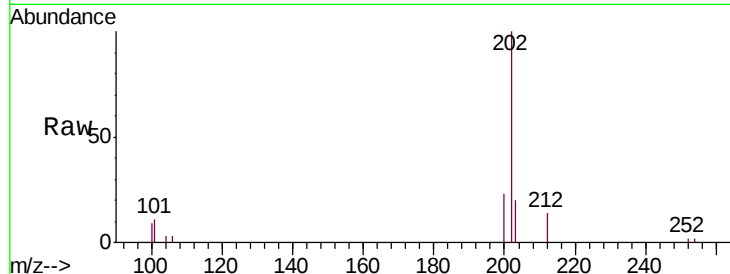




#15
Fluoranthene
 Concen: 0.340 ng/ul
 RT: 19.11 min Scan# 5167
 Delta R.T. 0.00 min
 Lab File: BM021915.D
 Acq: 08 Aug 2019 02:47

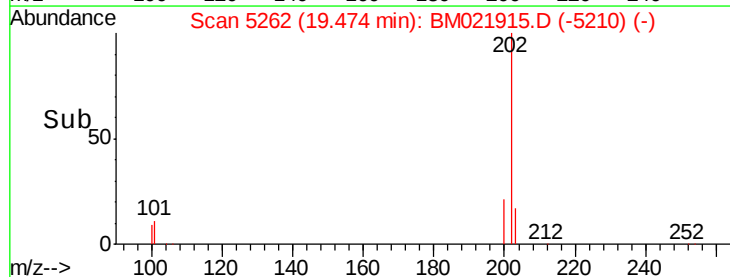
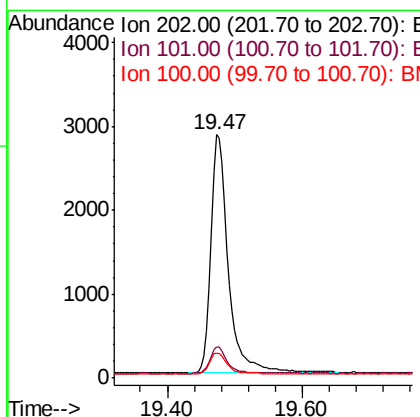
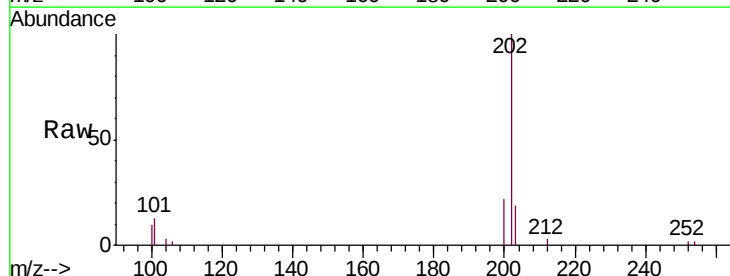
Instrument :
 BNA_M
 ClientSampleId :
 SST0.441

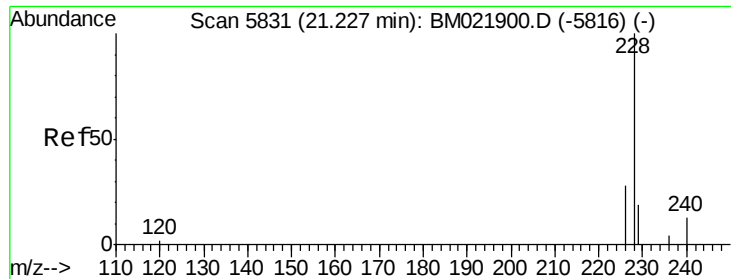
Tgt Ion:202 Resp: 4887
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 30.2
 100 8.9 0.0 28.1



#17
Pyrene
 Concen: 0.363 ng/ul
 RT: 19.47 min Scan# 5262
 Delta R.T. -0.00 min
 Lab File: BM021915.D
 Acq: 08 Aug 2019 02:47

Tgt Ion:202 Resp: 5156
 Ion Ratio Lower Upper
 202 100
 101 12.7 8.3 12.5#
 100 10.3 7.2 10.8





#18

Benzo(a)anthracene

Concen: 0.368 ng/ul

RT: 21.23 min Scan# 5831

Delta R.T. -0.00 min

Lab File: BM021915.D

Acq: 08 Aug 2019 02:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

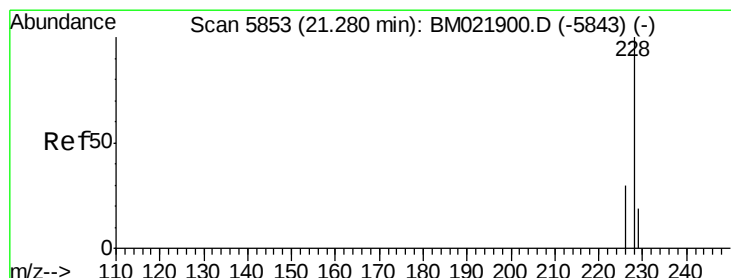
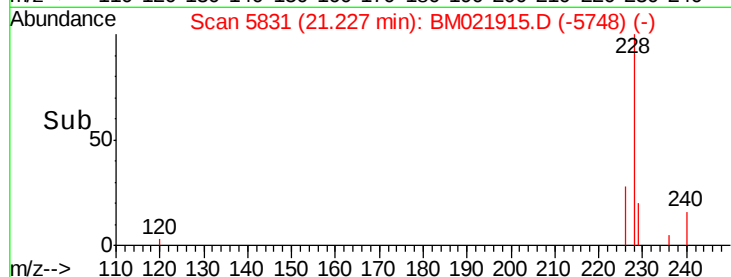
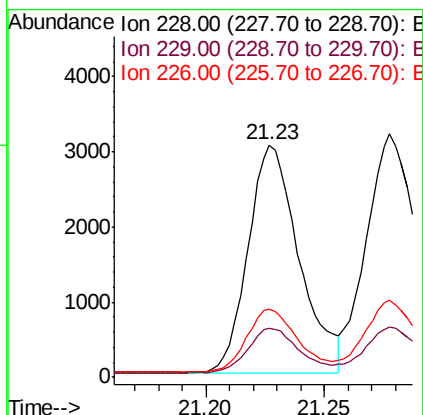
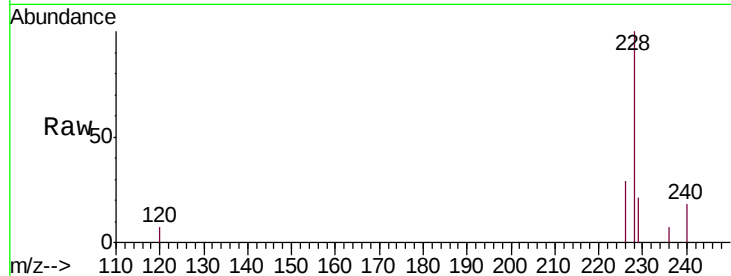
Tgt Ion:228 Resp: 4549

Ion Ratio Lower Upper

228 100

229 21.3 17.2 25.8

226 29.3 22.6 34.0



#19

Chrysene

Concen: 0.353 ng/ul

RT: 21.28 min Scan# 5852

Delta R.T. -0.00 min

Lab File: BM021915.D

Acq: 08 Aug 2019 02:47

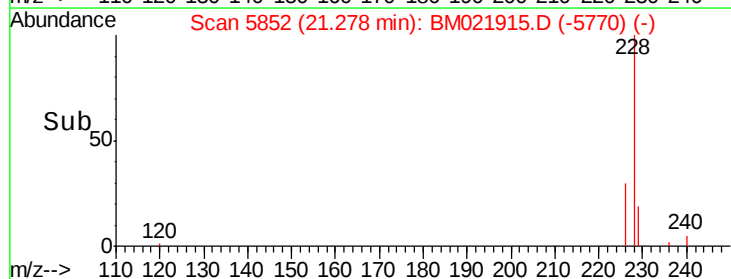
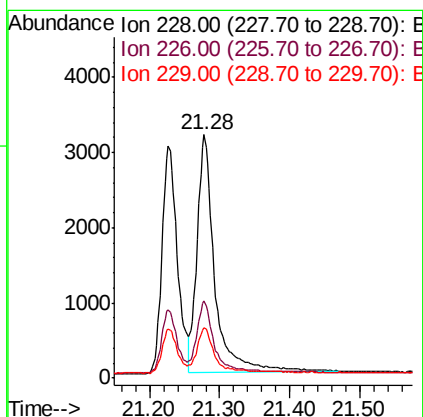
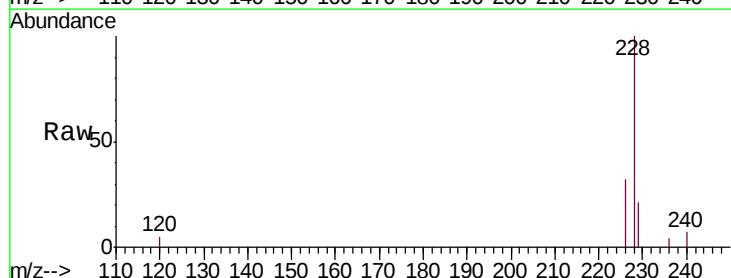
Tgt Ion:228 Resp: 5615

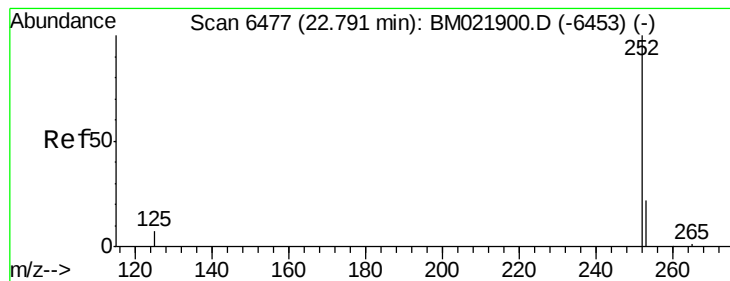
Ion Ratio Lower Upper

228 100

226 31.8 24.9 37.3

229 20.8 16.6 25.0





#21

Benzo(b)fluoranthene

Concen: 0.370 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.00 min

Lab File: BM021915.D

Acq: 08 Aug 2019 02:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

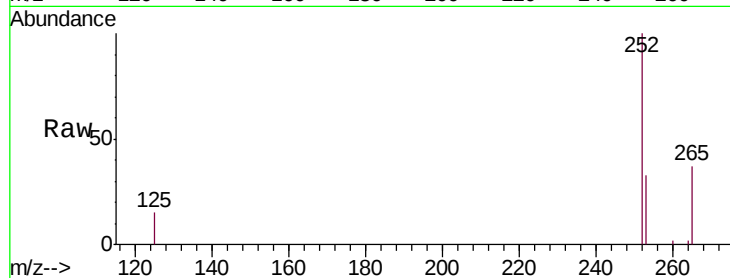
Tgt Ion:252 Resp: 4974

Ion Ratio Lower Upper

252 100

253 32.6 0.0 67.4

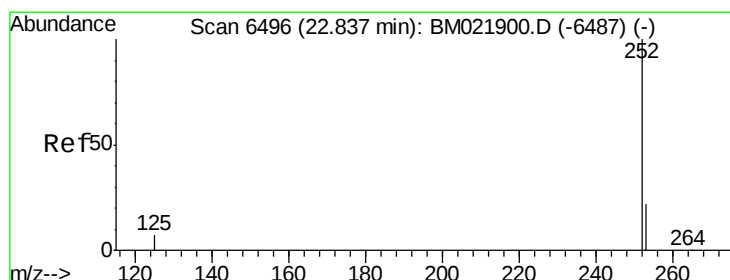
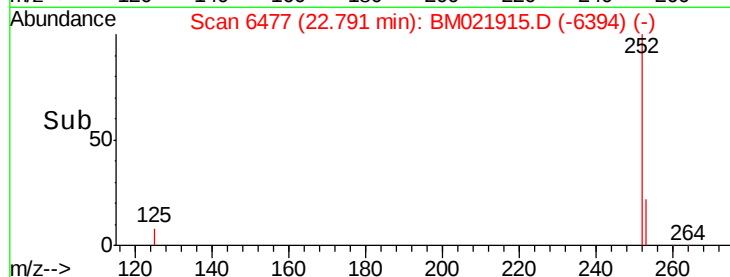
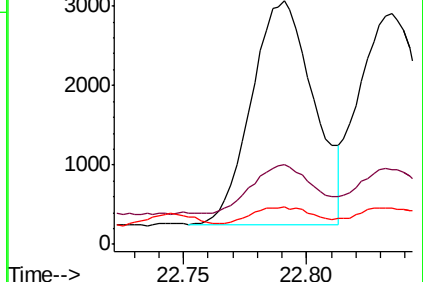
125 15.4 0.0 31.0



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: 0.358 ng/ul

RT: 22.83 min Scan# 6495

Delta R.T. -0.00 min

Lab File: BM021915.D

Acq: 08 Aug 2019 02:47

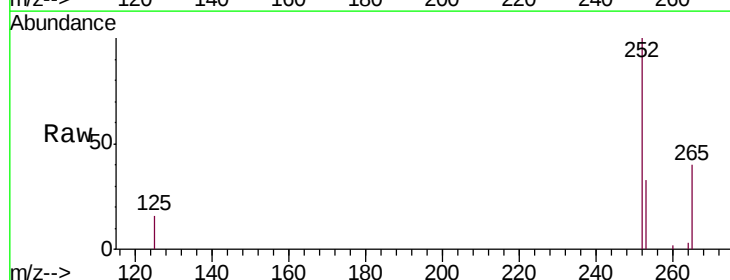
Tgt Ion:252 Resp: 5456

Ion Ratio Lower Upper

252 100

253 32.6 27.0 40.4

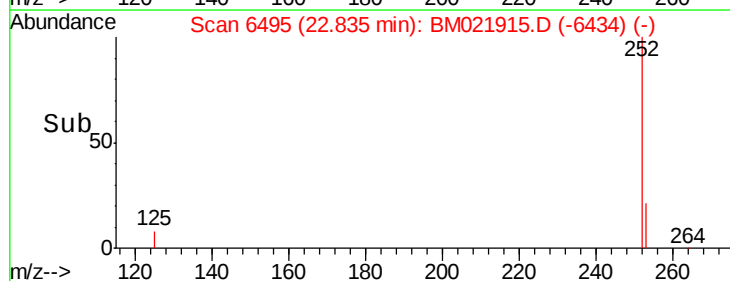
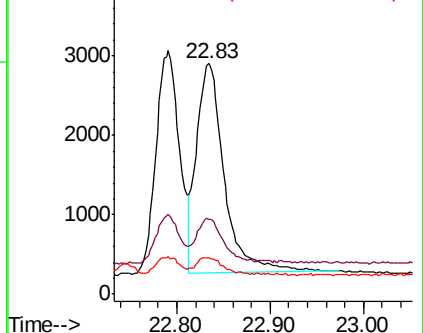
125 15.9 12.2 18.2

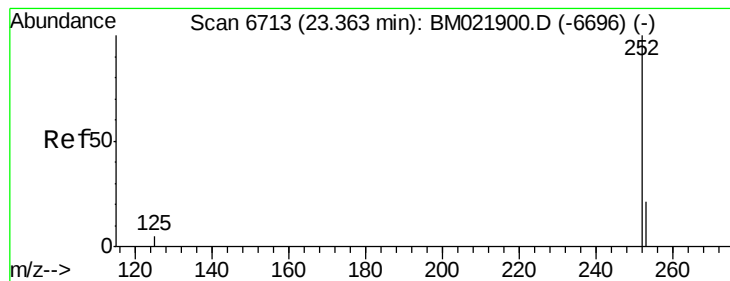


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.364 ng/ul

RT: 23.36 min Scan# 6711

Delta R.T. -0.00 min

Lab File: BM021915.D

Acq: 08 Aug 2019 02:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

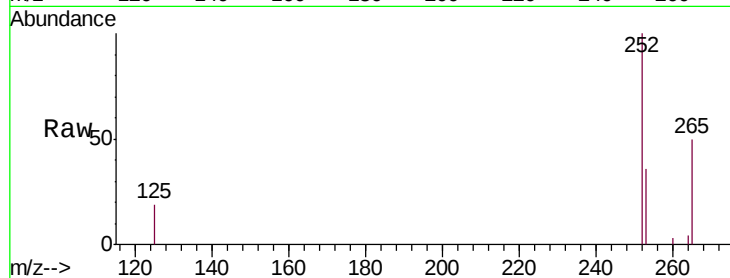
Tgt Ion:252 Resp: 4981

Ion Ratio Lower Upper

252 100

253 36.5 31.7 47.5

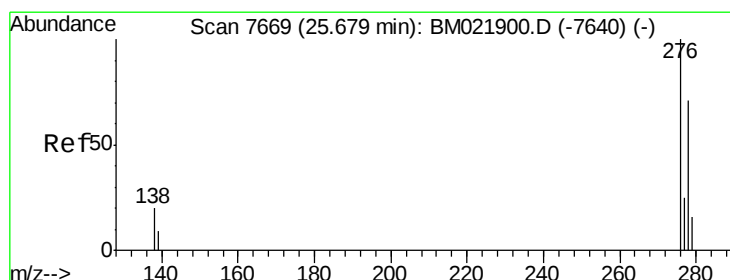
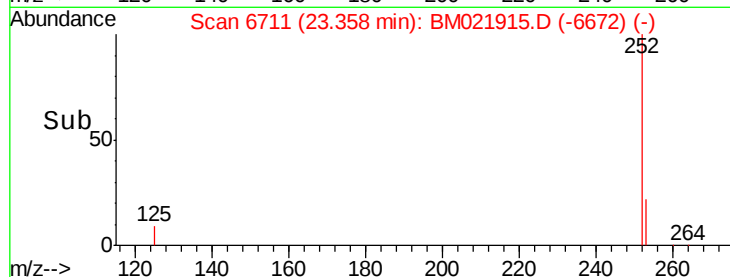
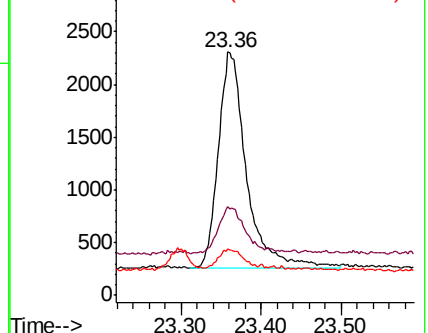
125 19.1 14.6 21.8



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: 0.364 ng/ul

RT: 25.68 min Scan# 7668

Delta R.T. -0.00 min

Lab File: BM021915.D

Acq: 08 Aug 2019 02:47

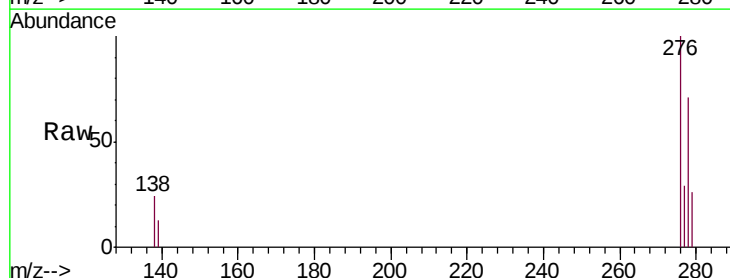
Tgt Ion:276 Resp: 5948

Ion Ratio Lower Upper

276 100

138 20.1 15.1 22.7

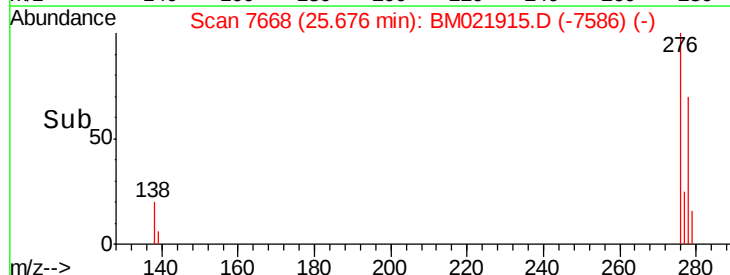
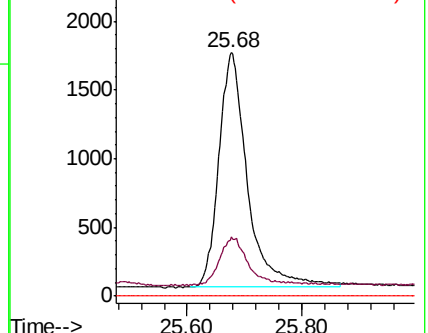
227 0.0 0.0 0.0

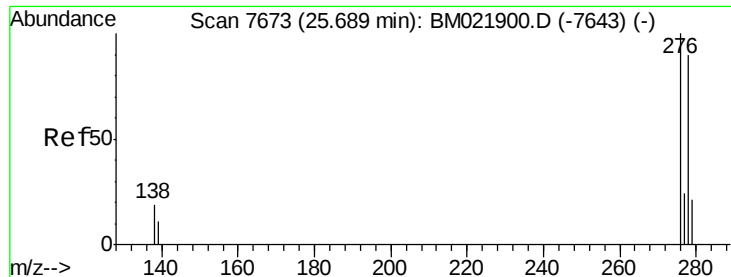


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.362 ng/ul

RT: 25.69 min Scan# 7672

Delta R.T. -0.00 min

Lab File: BM021915.D

Acq: 08 Aug 2019 02:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

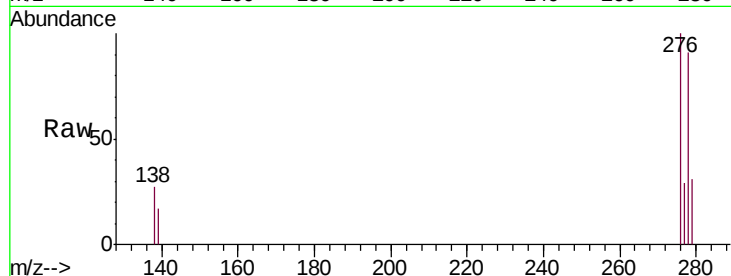
Tgt Ion: 278 Resp: 4775

Ion Ratio Lower Upper

278 100

139 19.0 14.2 21.2

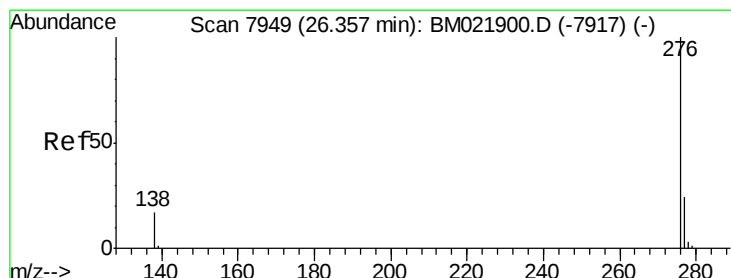
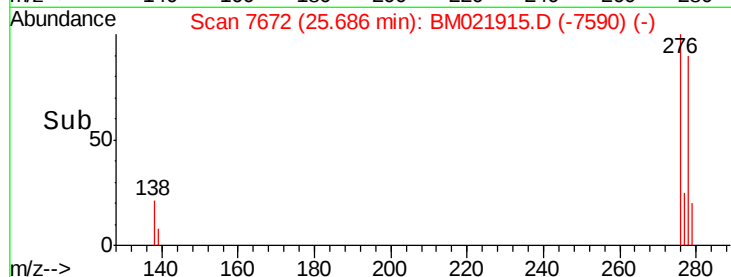
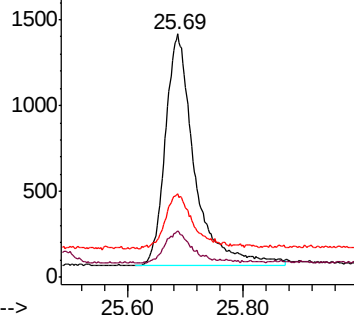
279 34.1 28.3 42.5



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: 0.357 ng/ul

RT: 26.35 min Scan# 7948

Delta R.T. -0.00 min

Lab File: BM021915.D

Acq: 08 Aug 2019 02:47

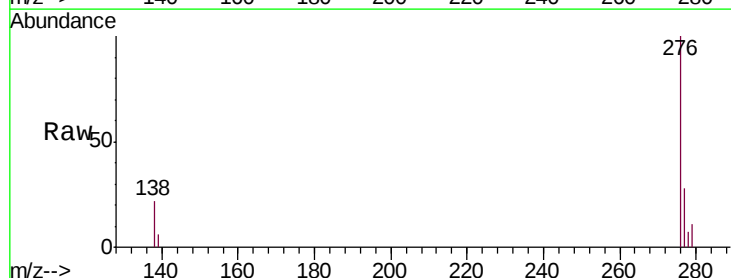
Tgt Ion: 276 Resp: 5248

Ion Ratio Lower Upper

276 100

138 22.0 15.5 23.3

277 28.5 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

