

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080319\
 Data File : BM021800.D
 Acq On : 04 Aug 2019 07:30
 Operator : HP/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 04 08:57:38 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 : Sun Aug 04 04:24:24 2019
 Response via : Initial Calibration

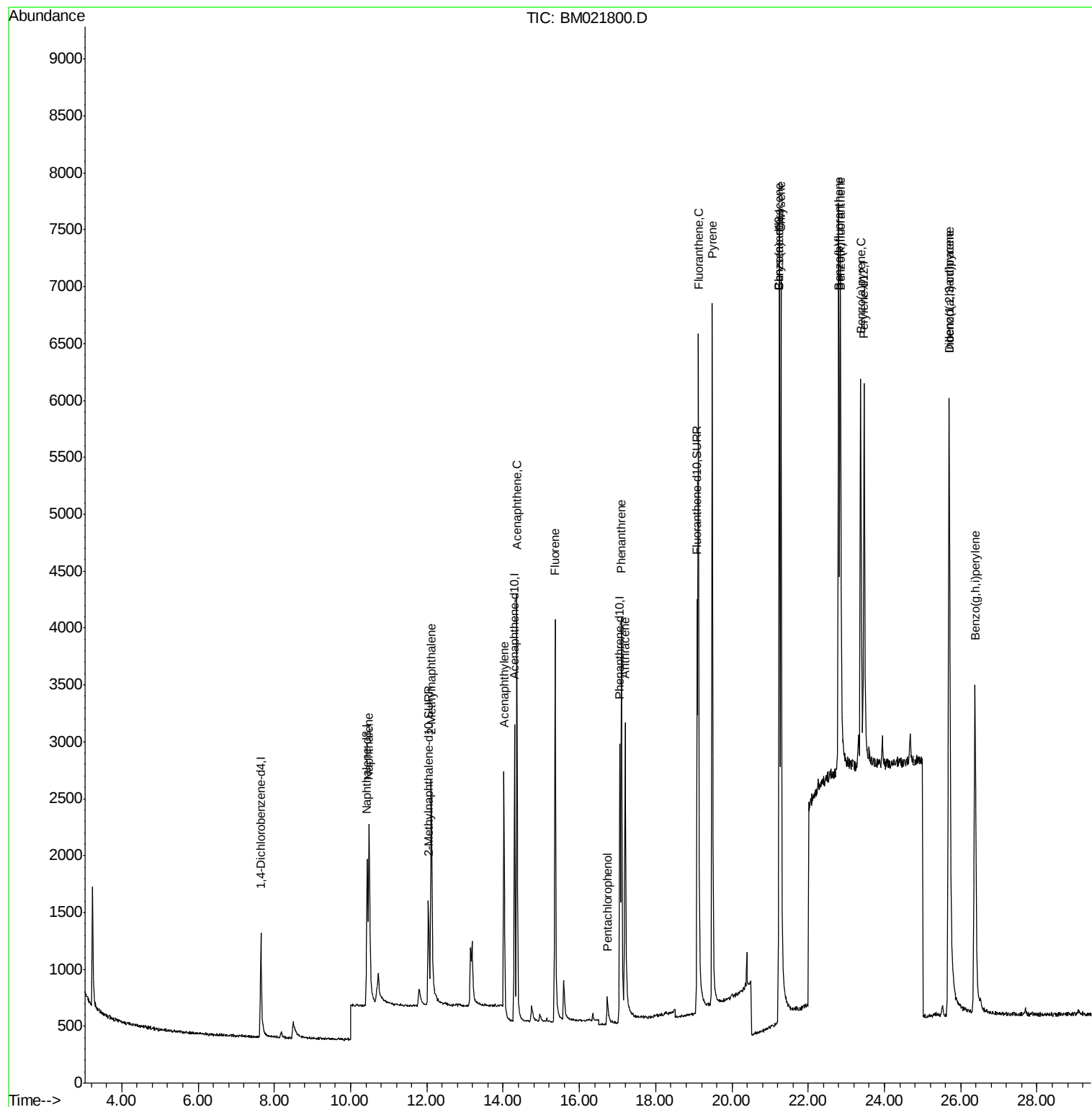
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	701	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	2886	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	1736	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.06	188	4089	0.40	ng/ul	-0.01
16) Chrysene-d12	21.25	240	4100	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	4897	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.04	152	1997	0.42	ng/ul	-0.02
14) Fluoranthene-d10	19.09	212	5489	0.40	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.48	128	3306	0.406	ng/ul	99
5) 2-Methylnaphthalene	12.12	142	2275	0.419	ng/ul	99
7) Acenaphthylene	14.02	152	3357	0.415	ng/ul	99
8) Acenaphthene	14.36	153	2722	0.411	ng/ul	98
9) Fluorene	15.36	166	2952	0.401	ng/ul	97
11) Pentachlorophenol	16.73	266	345	0.457	ng/ul#	82
12) Phenanthrene	17.10	178	4794	0.403	ng/ul	100
13) Anthracene	17.20	178	4168	0.411	ng/ul	98
15) Fluoranthene	19.12	202	6363	0.399	ng/ul	100
17) Pyrene	19.49	202	6807	0.404	ng/ul	99
18) Benzo(a)anthracene	21.24	228	6019	0.410	ng/ul	100
19) Chrysene	21.28	228	7623	0.404	ng/ul	98
21) Benzo(b)fluoranthene	22.80	252	6711	0.406	ng/ul	96
22) Benzo(k)fluoranthene	22.84	252	7531	0.403	ng/ul	96
23) Benzo(a)pyrene	23.37	252	6894	0.411	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.69	276	8291	0.413	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.70	278	6666	0.411	ng/ul	97
26) Benzo(g,h,i)perylene	26.37	276	7361	0.408	ng/ul	100

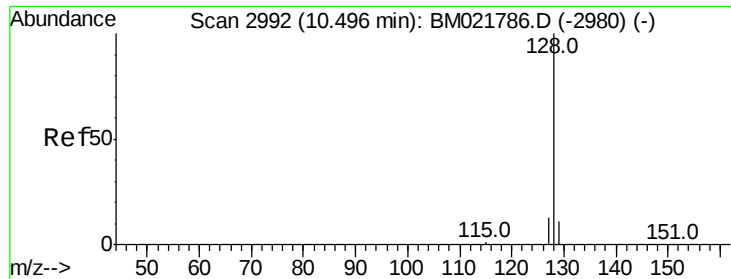
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sun Aug 04 04:24:24 2019
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#3

Naphthalene

Concen: 0.406 ng/ul

RT: 10.48 min Scan# 2989

Delta R.T. -0.01 min

Lab File: BM021800.D

Acq: 04 Aug 2019 07:30

Instrument :

BNA_M

ClientSampleId :

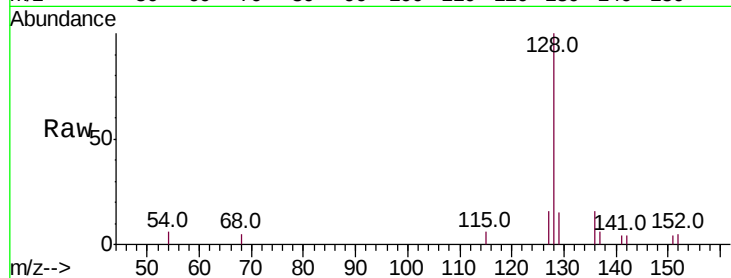
Tot Ion:128 Resp: 3306

Ion Ratio Lower Upper

128 100

129 14.7 12.3 18.5

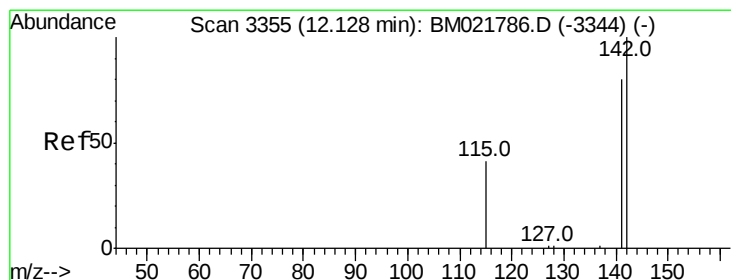
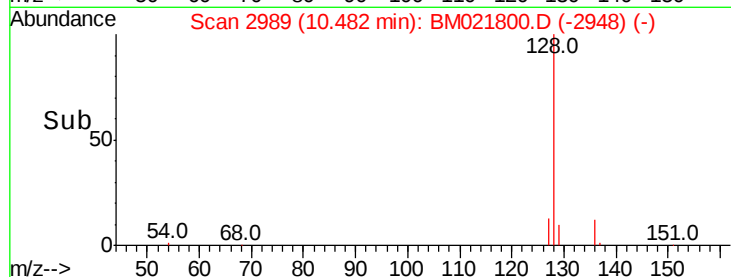
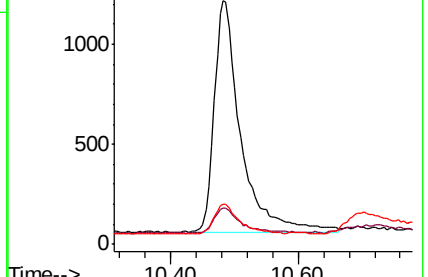
127 16.4 13.0 19.6



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: 0.419 ng/ul

RT: 12.12 min Scan# 3352

Delta R.T. -0.01 min

Lab File: BM021800.D

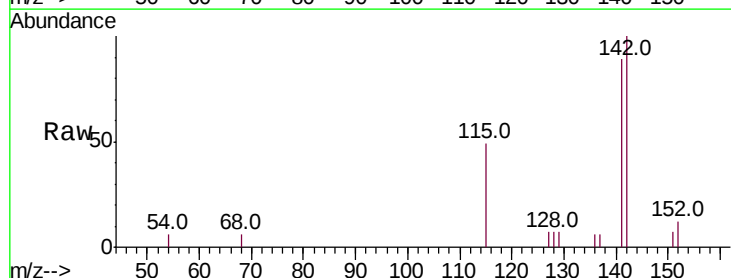
Acq: 04 Aug 2019 07:30

Tgt Ion:142 Resp: 2275

Ion Ratio Lower Upper

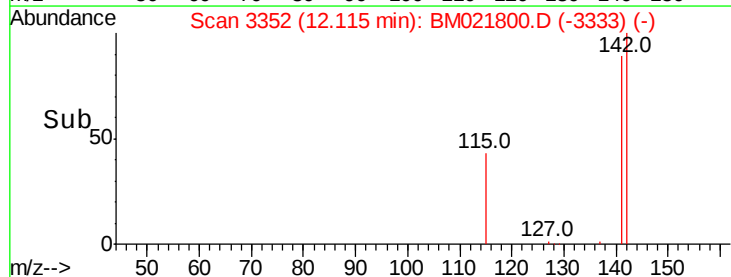
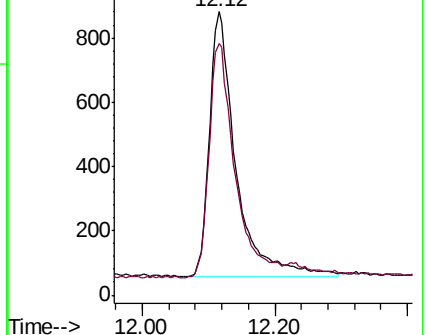
142 100

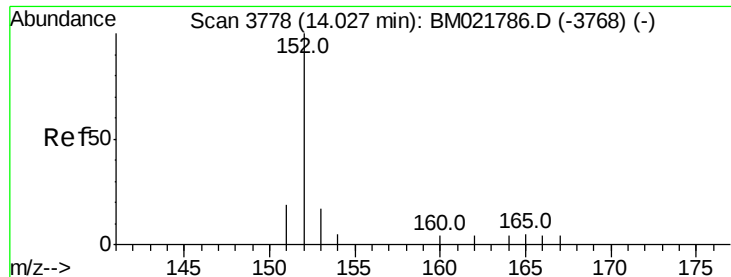
141 93.5 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.415 ng/ul

RT: 14.02 min Scan# 3776

Delta R.T. -0.01 min

Lab File: BM021800.D

Acq: 04 Aug 2019 07:30

Instrument :

BNA_M

ClientSampleId :

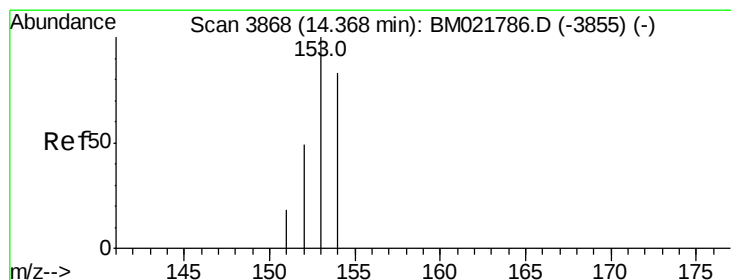
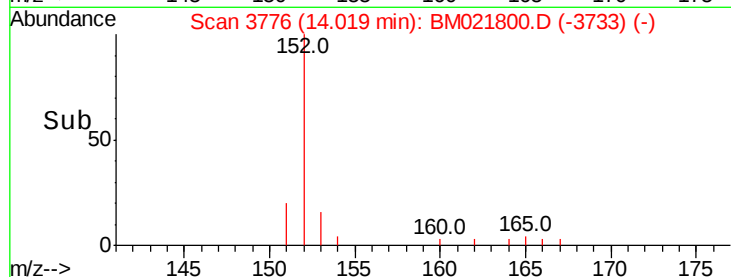
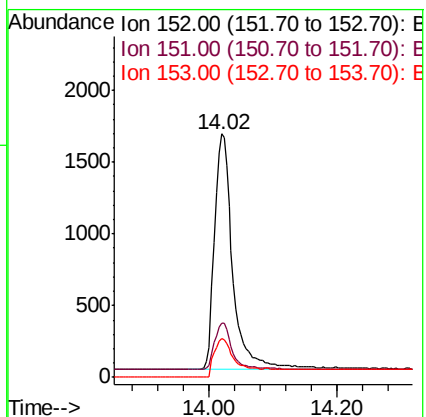
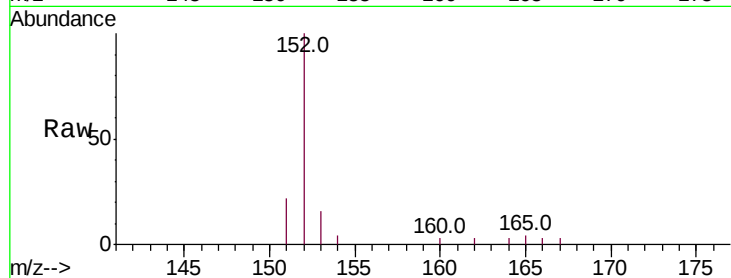
Tot Ion:152 Resp: 3357

Ion Ratio Lower Upper

152 100

151 22.1 18.3 27.5

153 15.7 12.8 19.2



#8

Acenaphthene

Concen: 0.411 ng/ul

RT: 14.36 min Scan# 3866

Delta R.T. -0.01 min

Lab File: BM021800.D

Acq: 04 Aug 2019 07:30

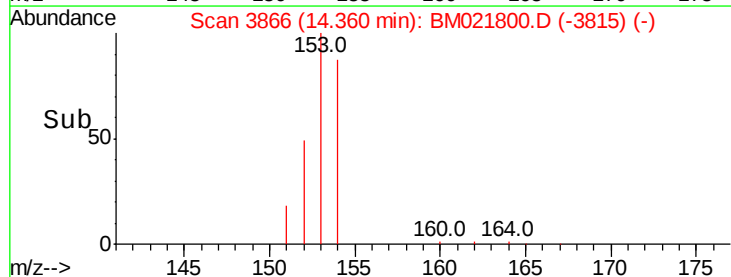
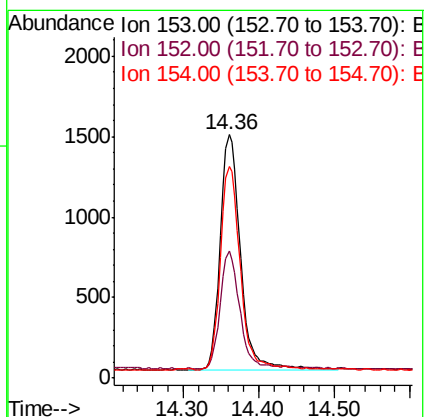
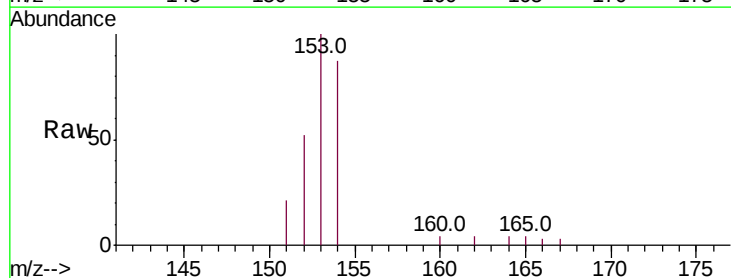
Tgt Ion:153 Resp: 2722

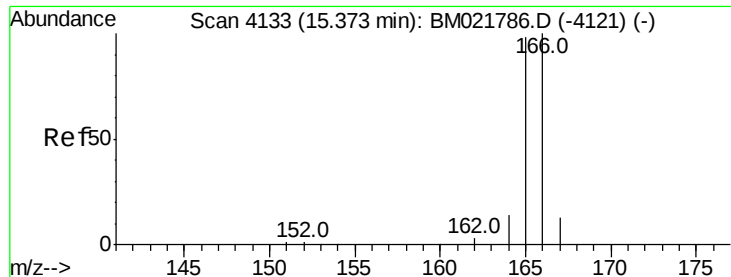
Ion Ratio Lower Upper

153 100

152 52.1 41.3 61.9

154 87.2 72.3 108.5

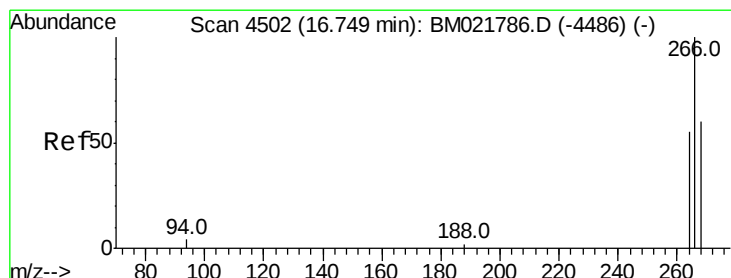
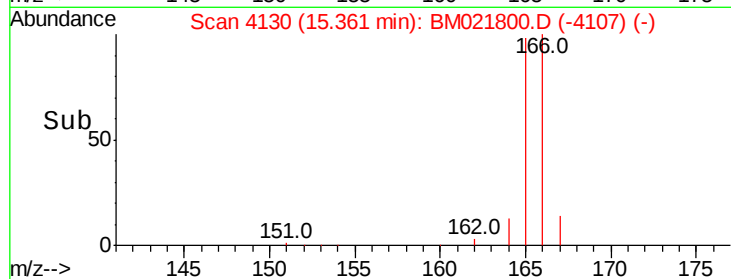
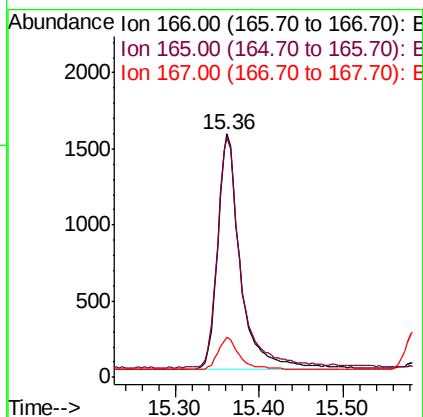
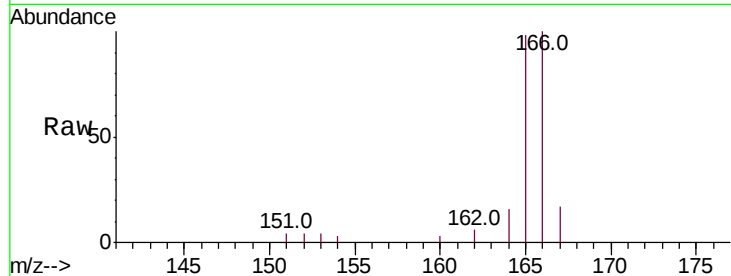




#9
Fluorene
 Concen: 0.401 ng/ul
 RT: 15.36 min Scan# 4130
 Delta R.T. -0.01 min
 Lab File: BM021800.D
 Acq: 04 Aug 2019 07:30

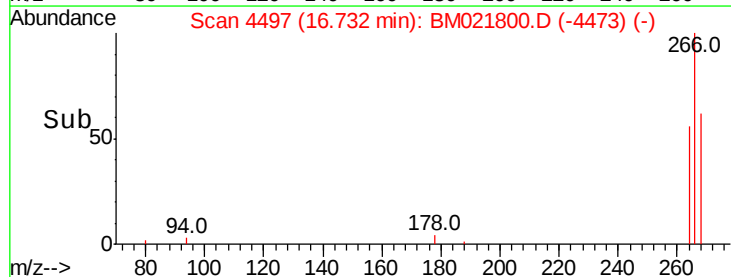
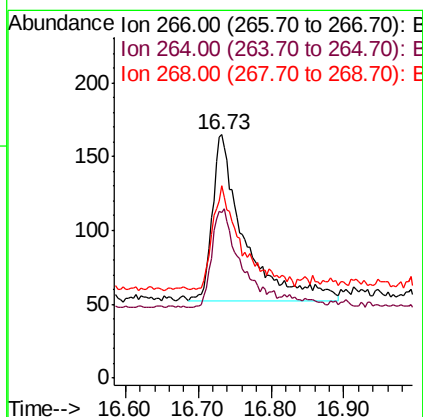
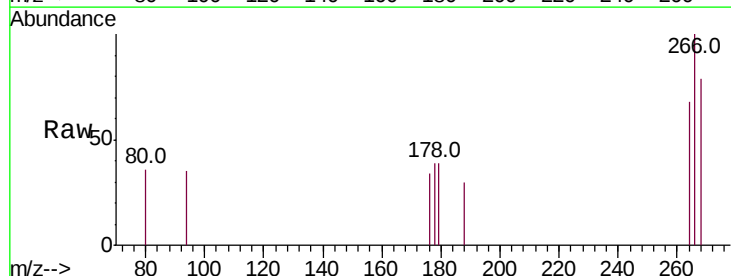
Instrument :
 BNA_M
 ClientSampleId :

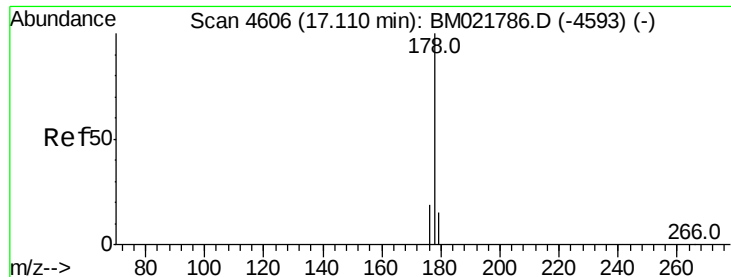
Tot Ion:166 Resp: 2952
 Ion Ratio Lower Upper
 166 100
 165 98.4 81.4 122.0
 167 16.7 13.7 20.5



#11
Pentachlorophenol
 Concen: 0.457 ng/ul
 RT: 16.73 min Scan# 4497
 Delta R.T. -0.02 min
 Lab File: BM021800.D
 Acq: 04 Aug 2019 07:30

Tgt Ion:266 Resp: 345
 Ion Ratio Lower Upper
 266 100
 264 53.6 54.2 81.2#
 268 56.5 57.6 86.4#





#12

Phenanthrene

Concen: 0.403 ng/ul

RT: 17.10 min Scan# 4603

Delta R.T. -0.01 min

Lab File: BM021800.D

Acq: 04 Aug 2019 07:30

Instrument :

BNA_M

ClientSampleId :

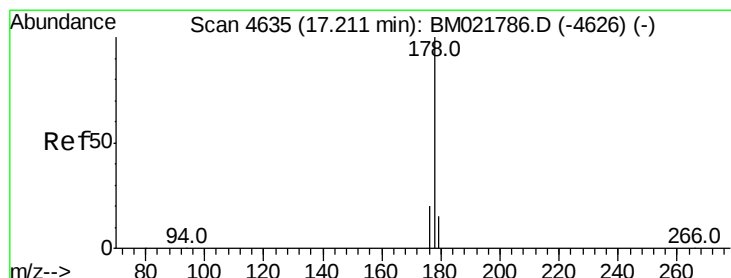
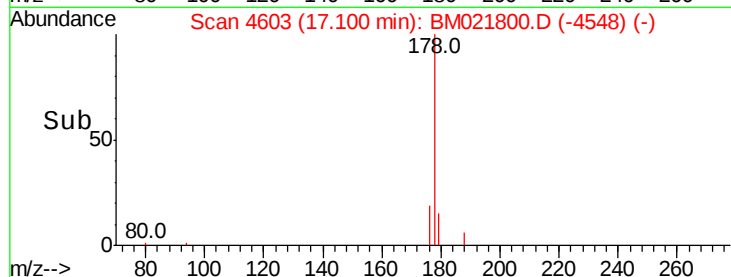
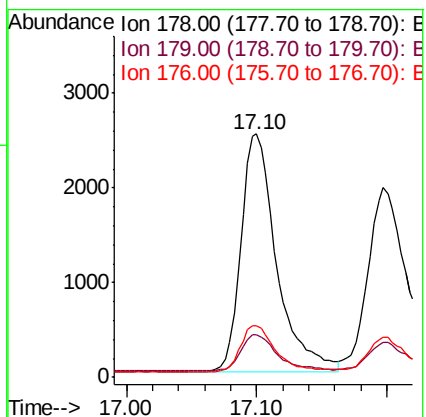
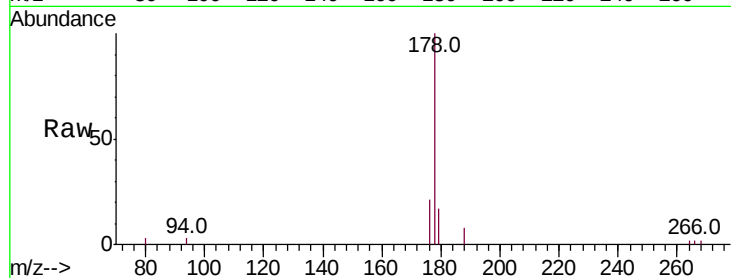
Tot Ion:178 Resp: 4794

Ion Ratio Lower Upper

178 100

179 17.5 14.2 21.2

176 21.1 16.8 25.2



#13

Anthracene

Concen: 0.411 ng/ul

RT: 17.20 min Scan# 4631

Delta R.T. -0.01 min

Lab File: BM021800.D

Acq: 04 Aug 2019 07:30

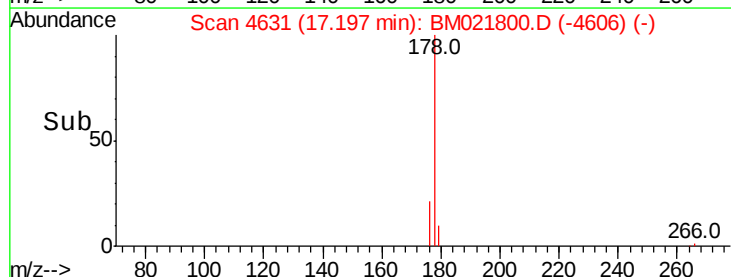
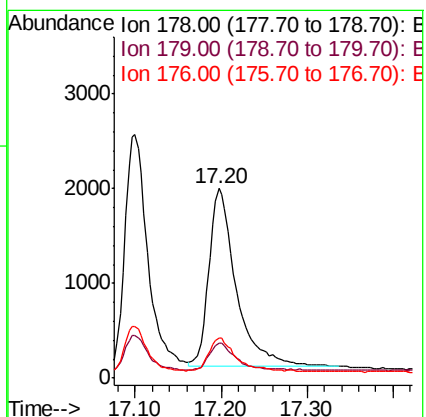
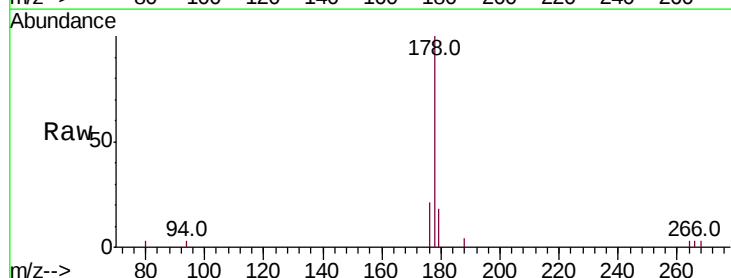
Tgt Ion:178 Resp: 4168

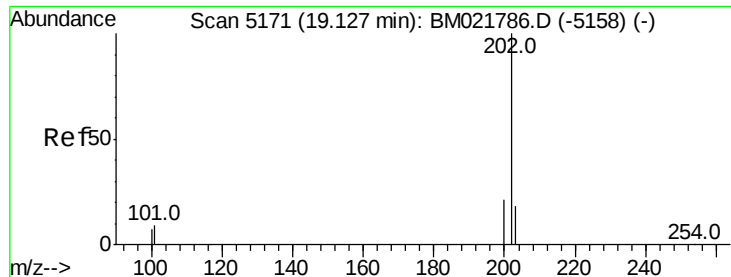
Ion Ratio Lower Upper

178 100

179 18.1 15.5 23.3

176 21.4 16.6 25.0





#15

Fluoranthene

Concen: 0.399 ng/ul

RT: 19.12 min Scan# 5169

Delta R.T. -0.01 min

Lab File: BM021800.D

Acq: 04 Aug 2019 07:30

Instrument :

BNA_M

ClientSampleId :

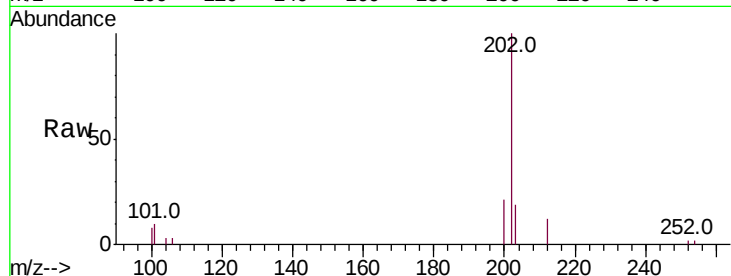
Tot Ion:202 Resp: 6363

Ion Ratio Lower Upper

202 100

101 10.1 0.0 30.2

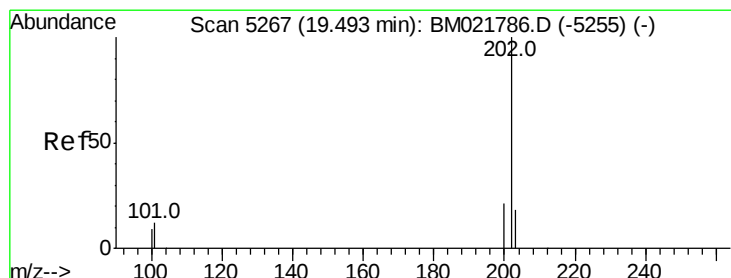
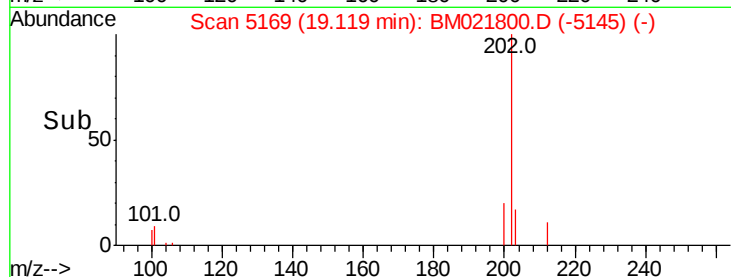
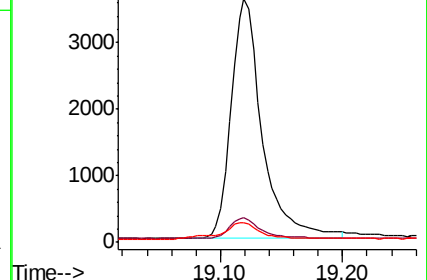
100 8.0 0.0 28.1



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: 0.404 ng/ul

RT: 19.49 min Scan# 5265

Delta R.T. -0.01 min

Lab File: BM021800.D

Acq: 04 Aug 2019 07:30

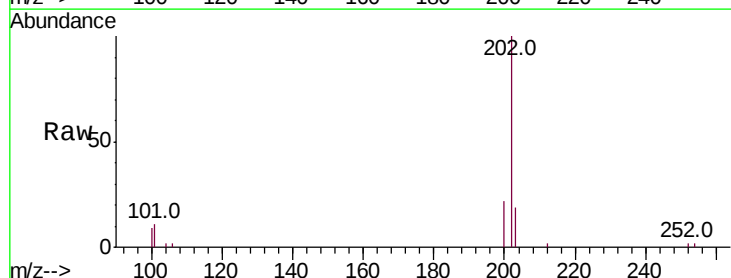
Tgt Ion:202 Resp: 6807

Ion Ratio Lower Upper

202 100

101 11.4 8.3 12.5

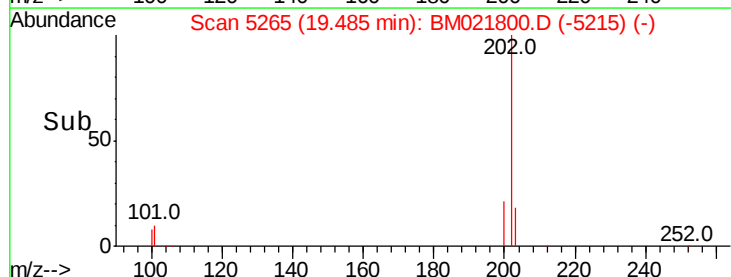
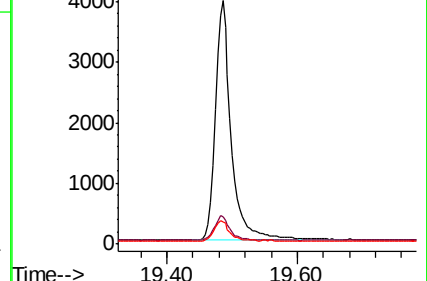
100 8.9 7.2 10.8

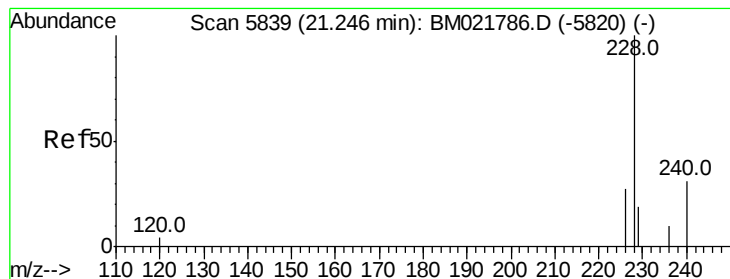


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.410 ng/ul

RT: 21.24 min Scan# 5835

Delta R.T. -0.01 min

Lab File: BM021800.D

Acq: 04 Aug 2019 07:30

Instrument :

BNA_M

ClientSampleId :

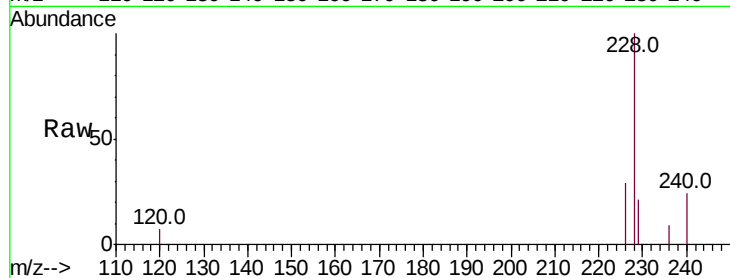
Tot Ion:228 Resp: 6019

Ion Ratio Lower Upper

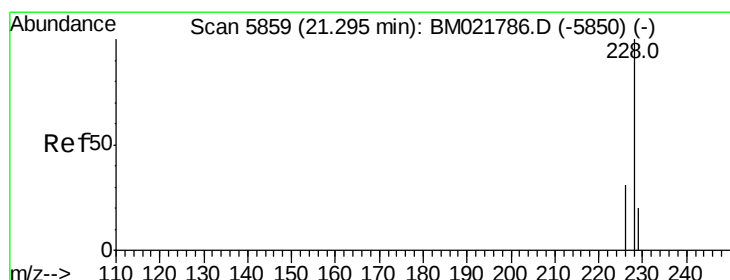
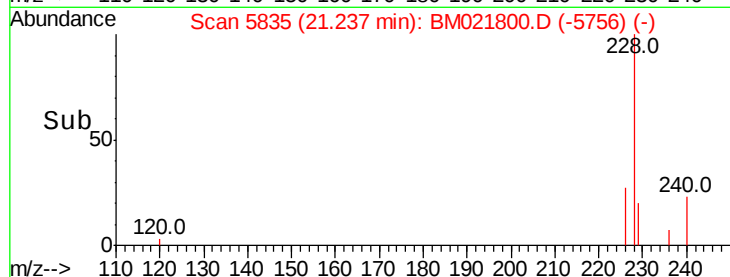
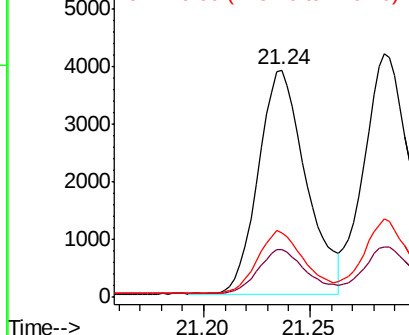
228 100

229 21.3 17.2 25.8

226 28.5 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: 0.404 ng/ul

RT: 21.28 min Scan# 5855

Delta R.T. -0.01 min

Lab File: BM021800.D

Acq: 04 Aug 2019 07:30

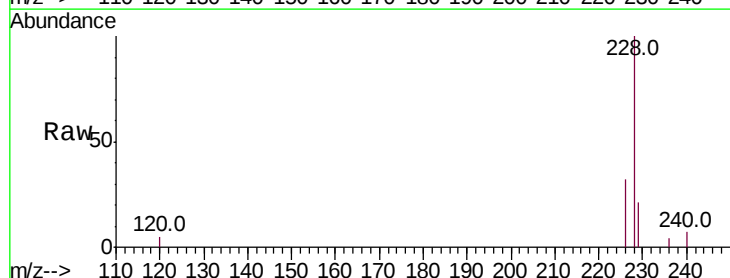
Tgt Ion:228 Resp: 7623

Ion Ratio Lower Upper

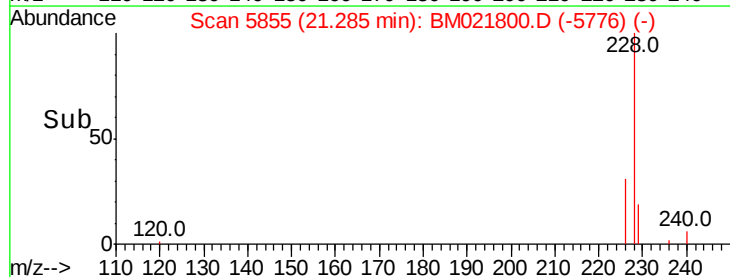
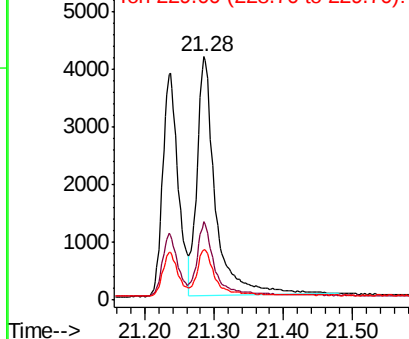
228 100

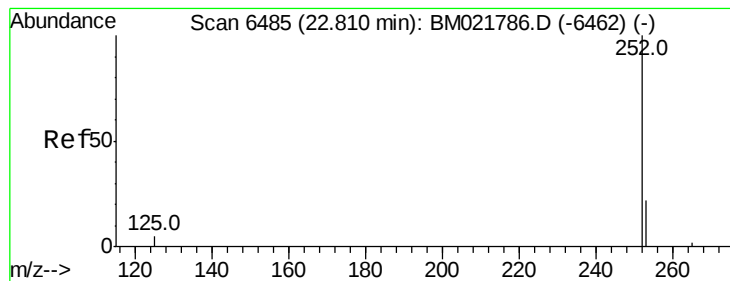
226 32.4 24.9 37.3

229 20.6 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: 0.406 ng/u1

RT: 22.80 min Scan# 6480

Delta R.T. -0.01 min

Lab File: BM021800.D

Acq: 04 Aug 2019 07:30

Instrument :

BNA_M

ClientSampleId :

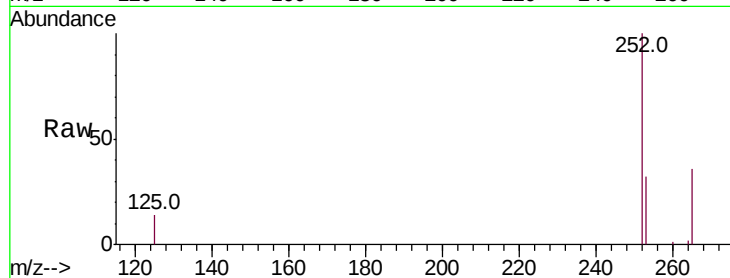
Tot Ion:252 Resp: 6711

Ion Ratio Lower Upper

252 100

253 31.7 0.0 67.4

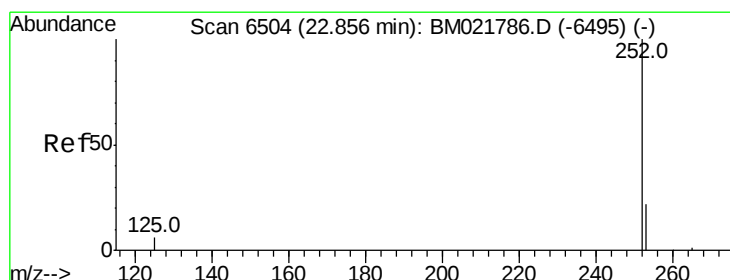
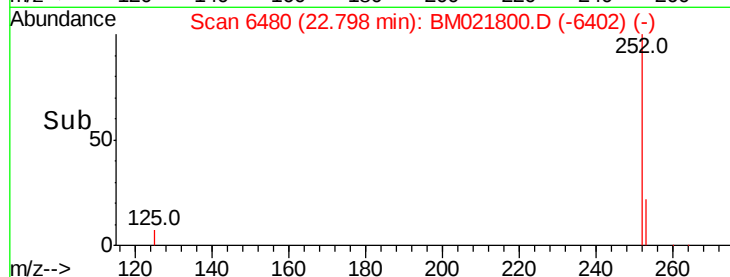
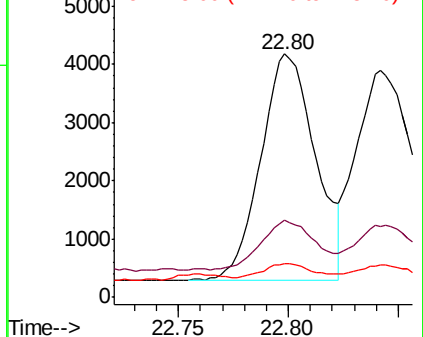
125 13.9 0.0 31.0



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: 0.403 ng/u1

RT: 22.84 min Scan# 6498

Delta R.T. -0.01 min

Lab File: BM021800.D

Acq: 04 Aug 2019 07:30

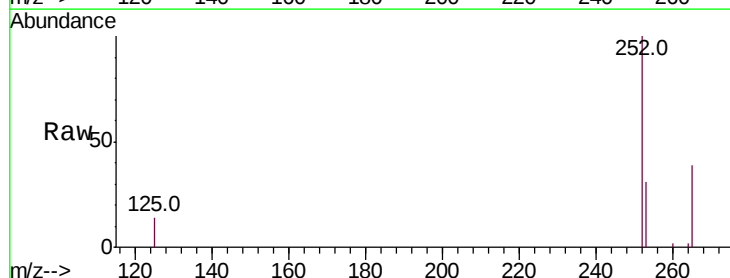
Tgt Ion:252 Resp: 7531

Ion Ratio Lower Upper

252 100

253 31.4 27.0 40.4

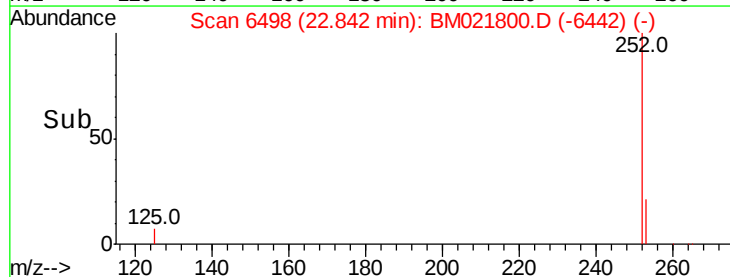
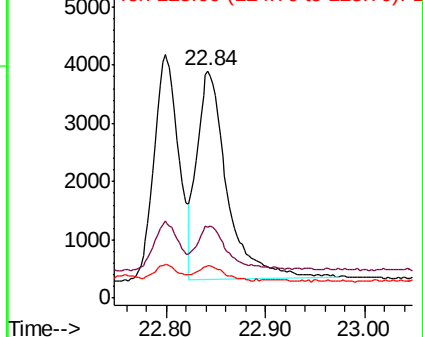
125 14.1 12.2 18.2

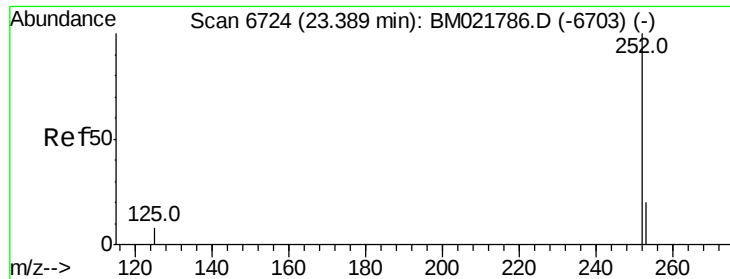


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.411 ng/ul

RT: 23.37 min Scan# 6717

Delta R.T. -0.02 min

Lab File: BM021800.D

Acq: 04 Aug 2019 07:30

Instrument :

BNA_M

ClientSampleId :

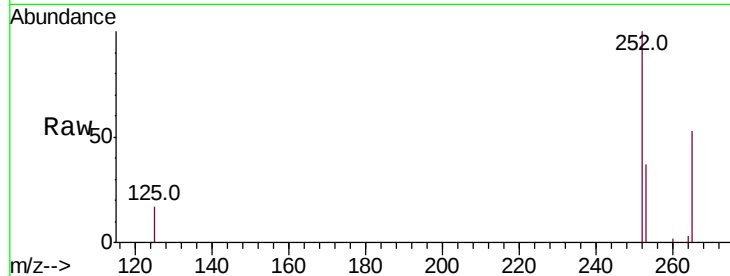
Tot Ion:252 Resp: 6894

Ion Ratio Lower Upper

252 100

253 36.8 31.7 47.5

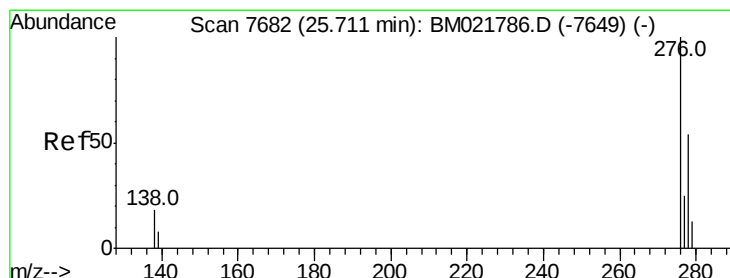
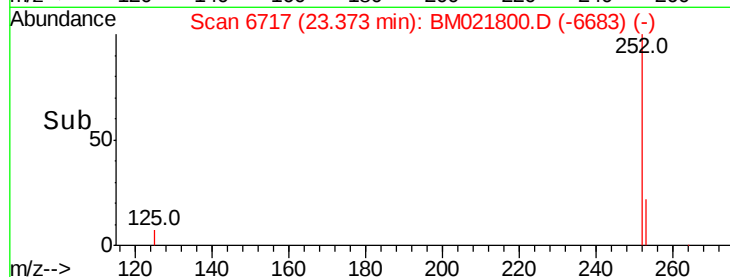
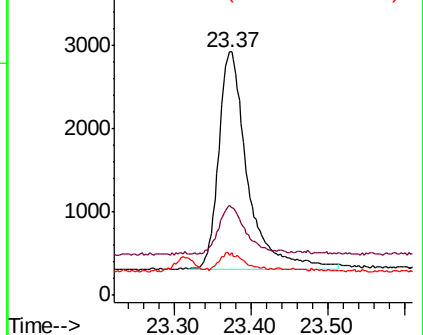
125 16.5 14.6 21.8



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: 0.413 ng/ul

RT: 25.69 min Scan# 7674

Delta R.T. -0.02 min

Lab File: BM021800.D

Acq: 04 Aug 2019 07:30

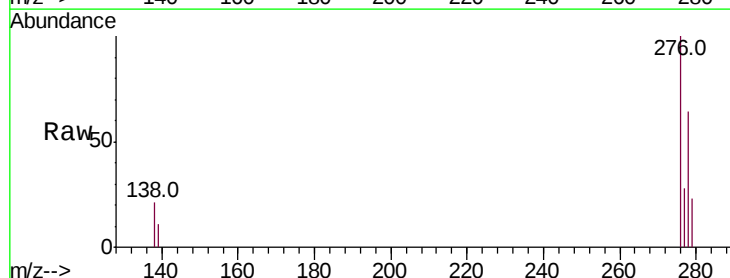
Tgt Ion:276 Resp: 8291

Ion Ratio Lower Upper

276 100

138 17.2 15.1 22.7

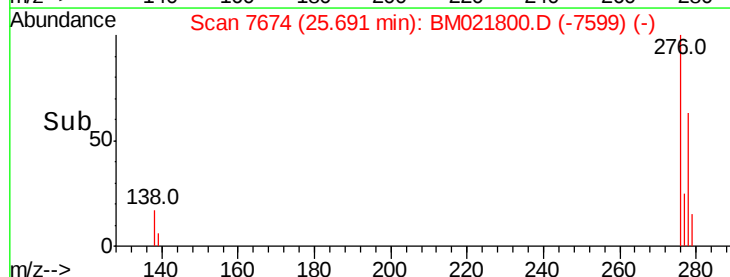
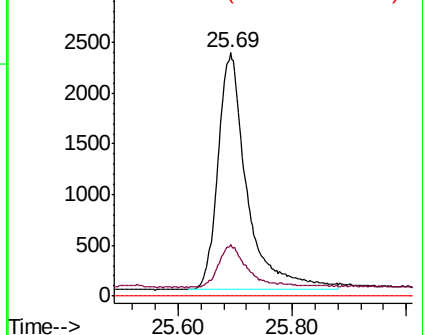
227 0.0 0.0 0.0

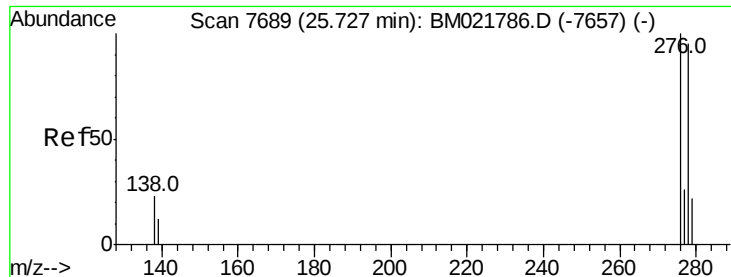


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

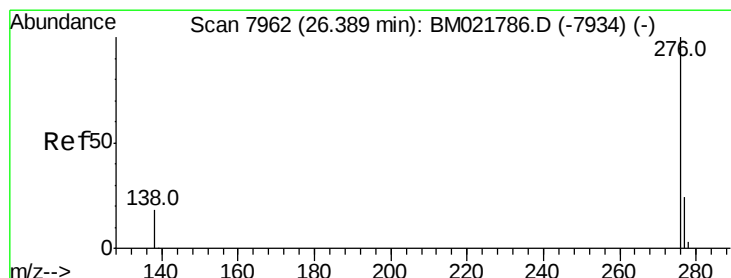
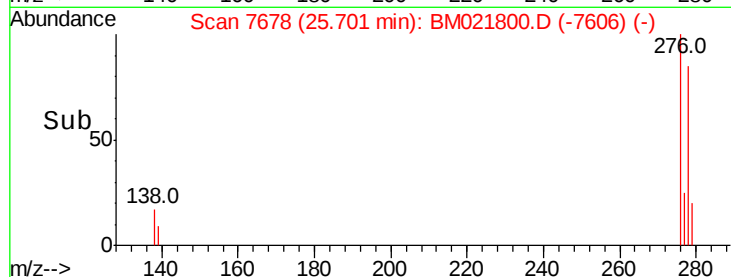
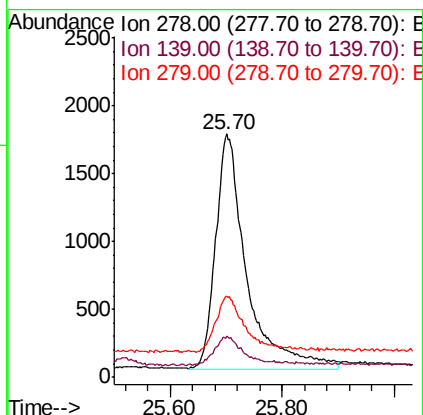
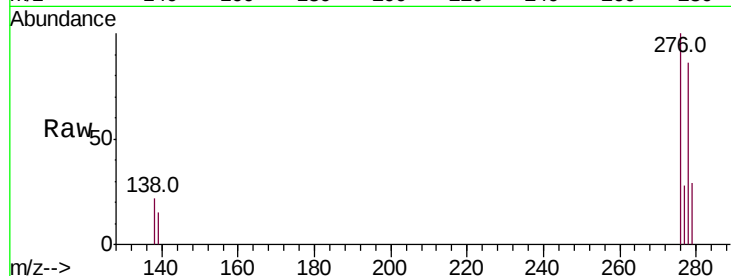




#25
Dibenzo(a,h)anthracene
Concen: 0.411 ng/ul
RT: 25.70 min Scan# 7678
Delta R.T. -0.03 min
Lab File: BM021800.D
Acq: 04 Aug 2019 07:30

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 6666
Ion Ratio Lower Upper
278 100
139 16.9 14.2 21.2
279 33.4 28.3 42.5



#26
Benzo(g,h,i)perylene
Concen: 0.408 ng/ul
RT: 26.37 min Scan# 7956
Delta R.T. -0.01 min
Lab File: BM021800.D
Acq: 04 Aug 2019 07:30

Tgt Ion:276 Resp: 7361
Ion Ratio Lower Upper
276 100
138 19.3 15.5 23.3
277 26.9 21.4 32.2

