

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080219\
 Data File : BM021763.D
 Acq On : 02 Aug 2019 18:33
 Operator : HP/JU
 Sample : SSTD0.415
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 02 23:41:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 02 23:36:26 2019
 Response via : Initial Calibration

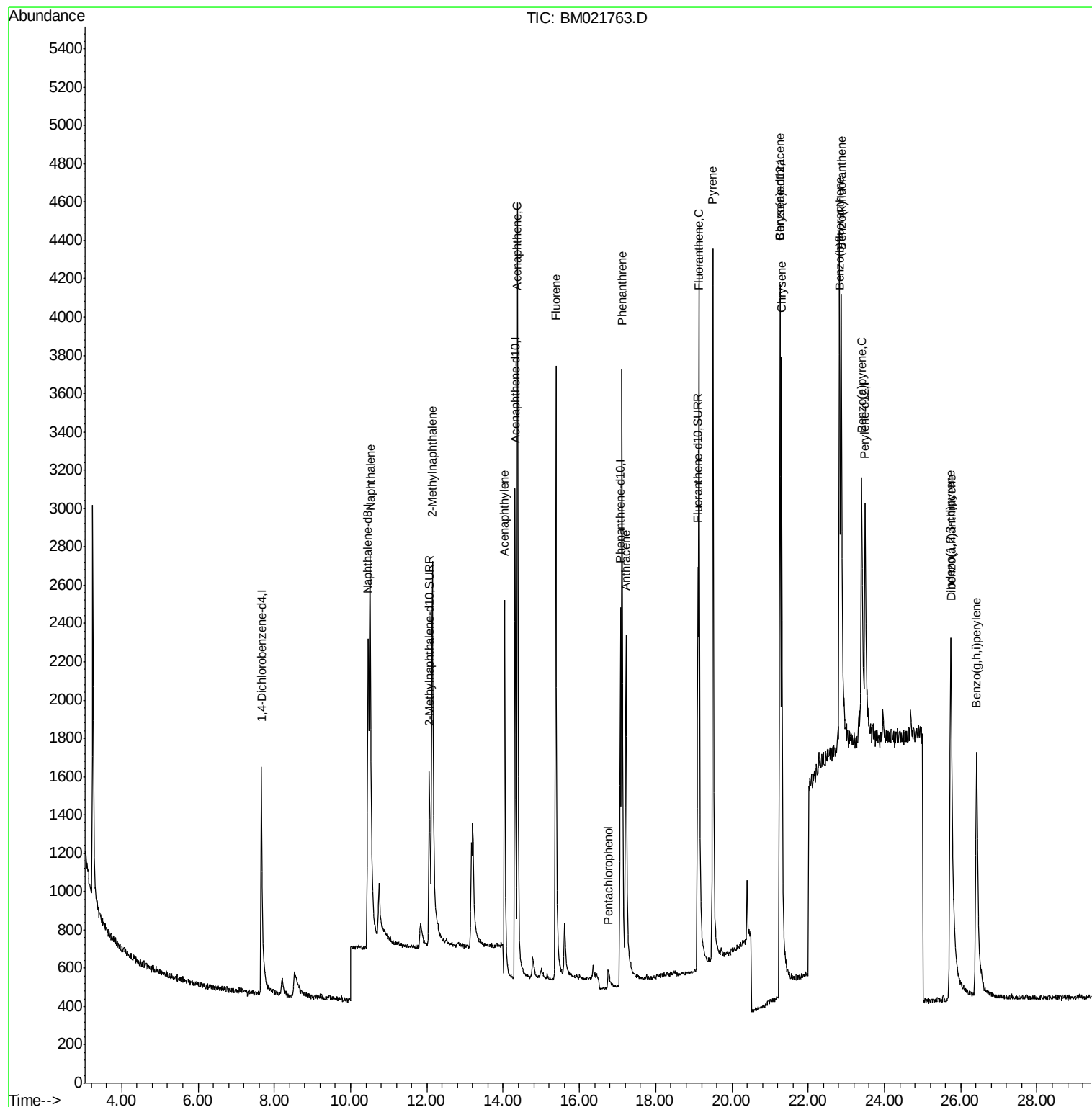
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	1076	0.40	ng/ul	0.00
2) Naphthalene-d8	10.46	136	4325	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	1711	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.08	188	3262	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	2433	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	2170	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.07	152	2307	0.45	ng/ul	0.00
14) Fluoranthene-d10	19.10	212	2873	0.31	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.51	128	4780	0.438	ng/ul	100
5) 2-Methylnaphthalene	12.14	142	2767	0.480	ng/ul	100
7) Acenaphthylene	14.03	152	3374	0.361	ng/ul	100
8) Acenaphthene	14.38	153	2868	0.416	ng/ul	100
9) Fluorene	15.38	166	3004	0.388	ng/ul	100
11) Pentachlorophenol	16.76	266	175	0.157	ng/ul	98
12) Phenanthrene	17.12	178	4302	0.477	ng/ul	100
13) Anthracene	17.22	178	3244	0.418	ng/ul	100
15) Fluoranthene	19.13	202	4057	0.360	ng/ul	100
17) Pyrene	19.50	202	4242	0.616	ng/ul	100
18) Benzo(a)anthracene	21.25	228	2717	0.358	ng/ul	100
19) Chrysene	21.30	228	4471	0.468	ng/ul	100
21) Benzo(b)fluoranthene	22.82	252	3563	0.445	ng/ul	100
22) Benzo(k)fluoranthene	22.87	252	3962	0.488	ng/ul	100
23) Benzo(a)pyrene	23.40	252	2925	0.406	ng/ul	100
24) Indeno(1,2,3-cd)pyrene	25.73	276	3542	0.368	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.75	278	2784	0.369	ng/ul	100
26) Benzo(g,h,i)perylene	26.41	276	3434	0.372	ng/ul	100

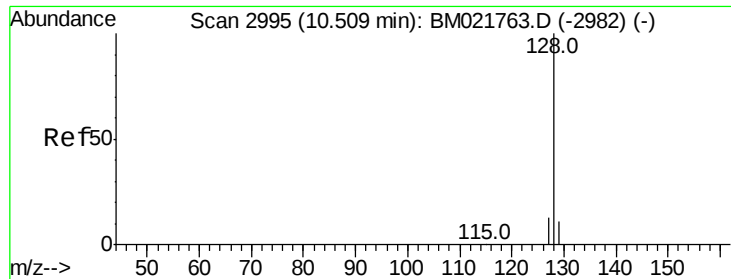
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 02 23:36:26 2019
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#3

Naphthalene

Concen: 0.438 ng/ul

RT: 10.51 min Scan# 2995

Delta R.T. 0.00 min

Lab File: BM021763.D

Acq: 02 Aug 2019 18:33

Instrument :

BNA_M

ClientSampleId :

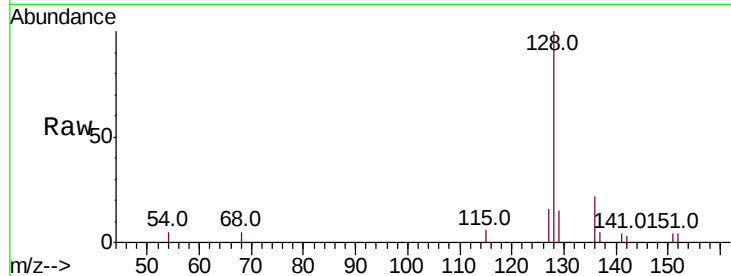
Tot Ion:128 Resp: 4780

Ion Ratio Lower Upper

128 100

129 14.7 11.8 17.6

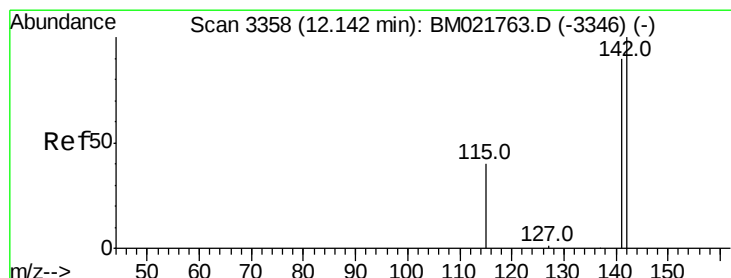
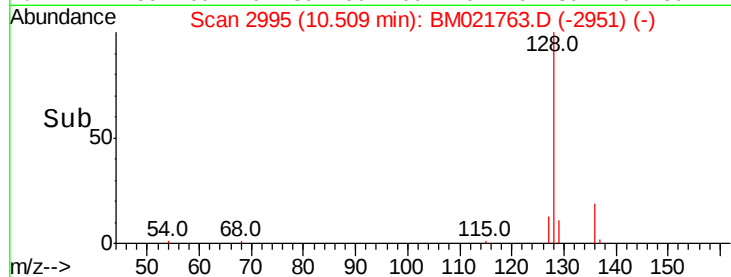
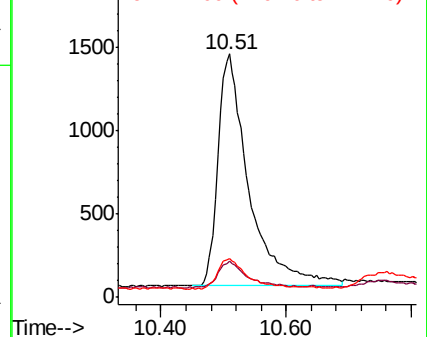
127 15.7 12.6 18.8



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: 0.480 ng/ul

RT: 12.14 min Scan# 3358

Delta R.T. 0.00 min

Lab File: BM021763.D

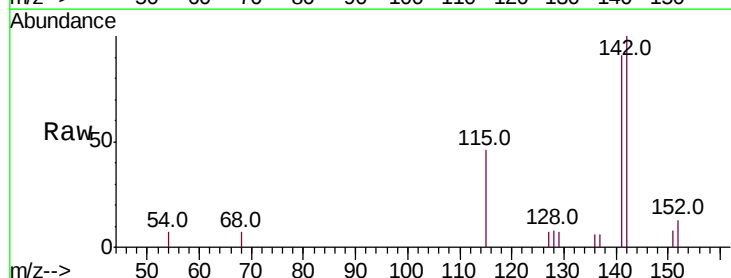
Acq: 02 Aug 2019 18:33

Tgt Ion:142 Resp: 2767

Ion Ratio Lower Upper

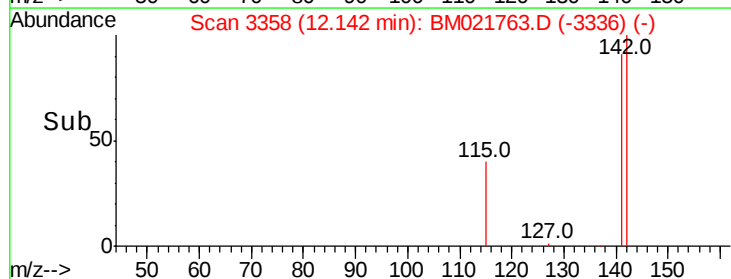
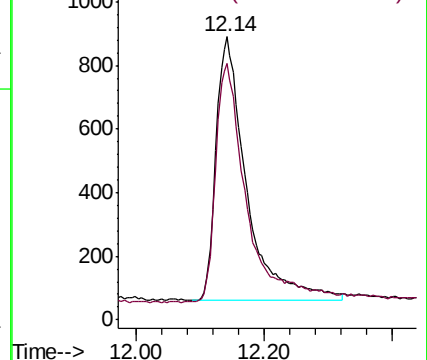
142 100

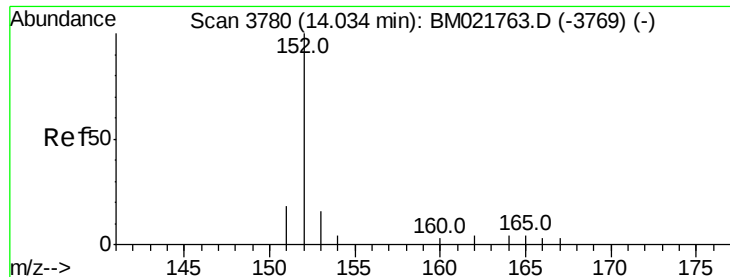
141 92.2 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.361 ng/ul

RT: 14.03 min Scan# 3780

Delta R.T. 0.00 min

Lab File: BM021763.D

Acq: 02 Aug 2019 18:33

Instrument :

BNA_M

ClientSampleId :

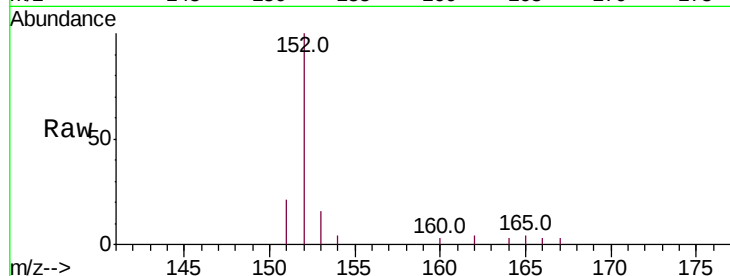
Tot Ion:152 Resp: 3374

Ion Ratio Lower Upper

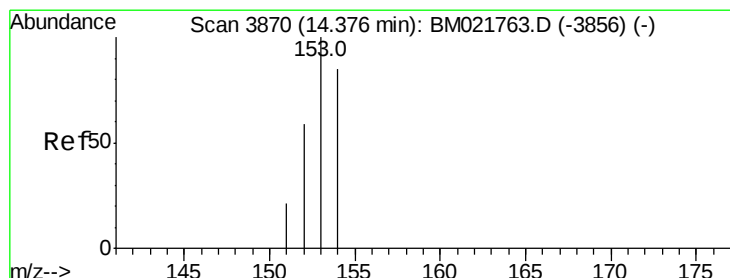
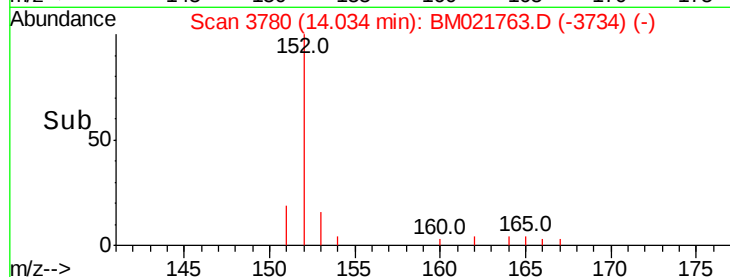
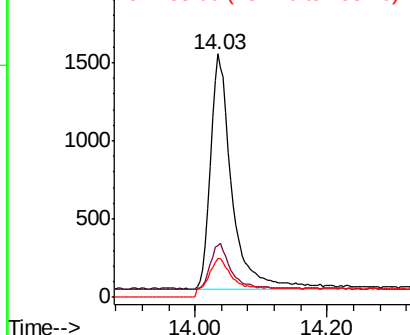
152 100

151 21.2 17.0 25.4

153 15.8 12.6 19.0



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: 0.416 ng/ul

RT: 14.38 min Scan# 3870

Delta R.T. 0.00 min

Lab File: BM021763.D

Acq: 02 Aug 2019 18:33

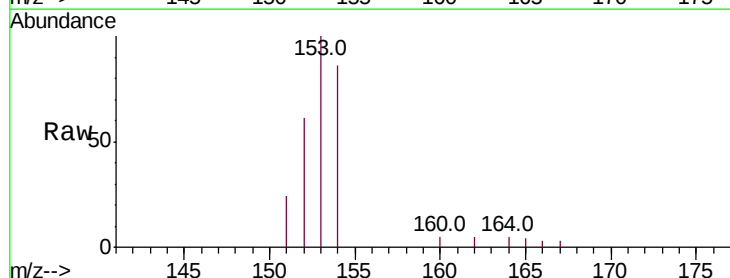
Tgt Ion:153 Resp: 2868

Ion Ratio Lower Upper

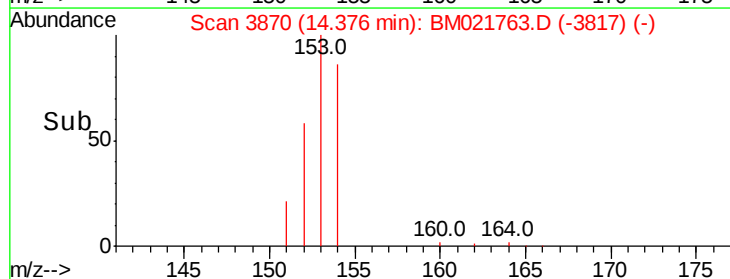
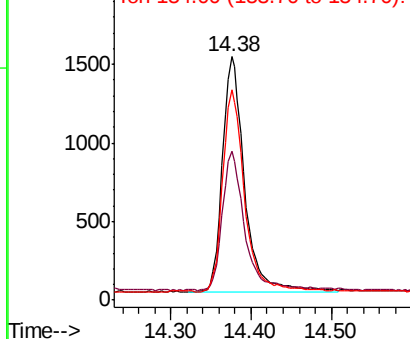
153 100

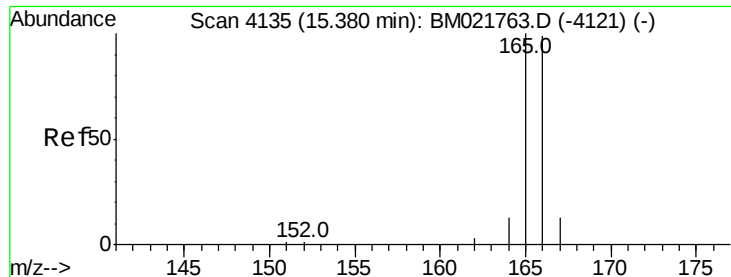
152 61.1 48.9 73.3

154 86.3 69.0 103.6



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: 15.38 min Scan# 4135

Delta R.T. 0.00 min

Lab File: BM021763.D

Acq: 02 Aug 2019 18:33

Instrument :

BNA_M

ClientSampleId :

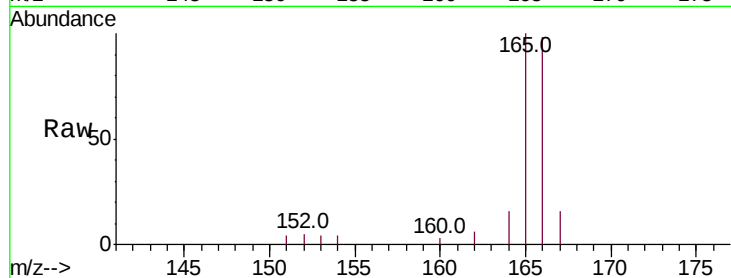
Tot Ion:166 Resp: 3004

Ion Ratio Lower Upper

166 100

165 102.0 81.6 122.4

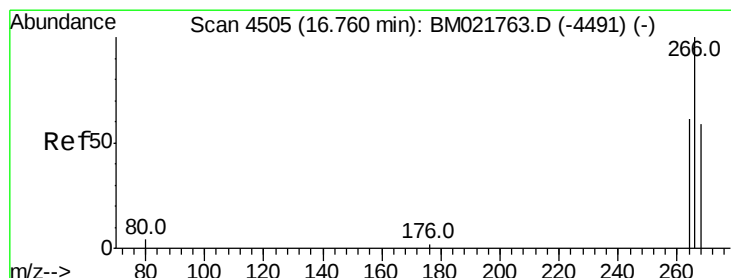
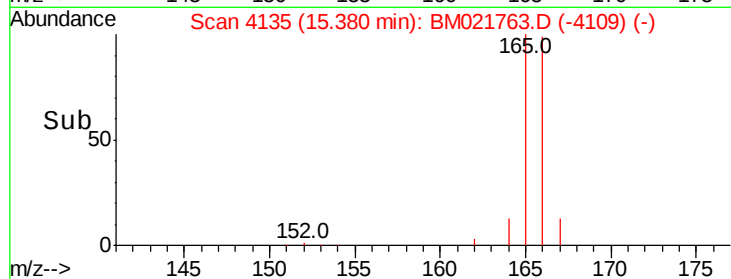
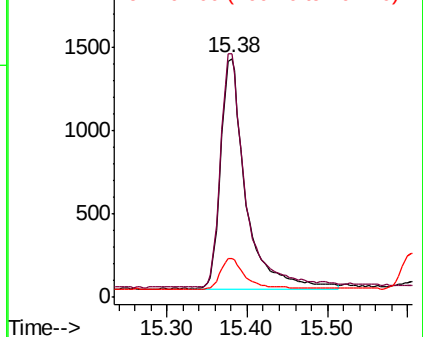
167 16.0 12.8 19.2



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: 0.157 ng/ul

RT: 16.76 min Scan# 4505

Delta R.T. 0.00 min

Lab File: BM021763.D

Acq: 02 Aug 2019 18:33

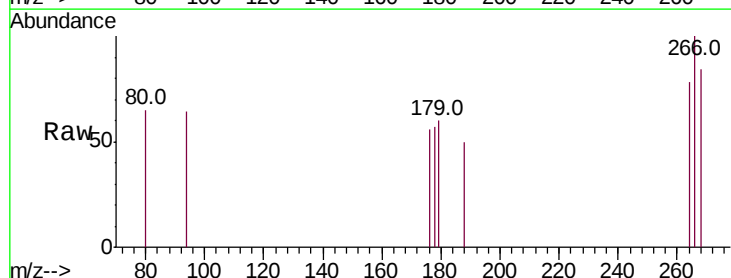
Tgt Ion:266 Resp: 175

Ion Ratio Lower Upper

266 100

264 62.9 51.8 77.6

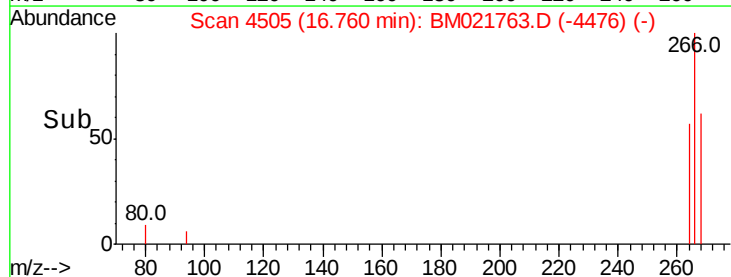
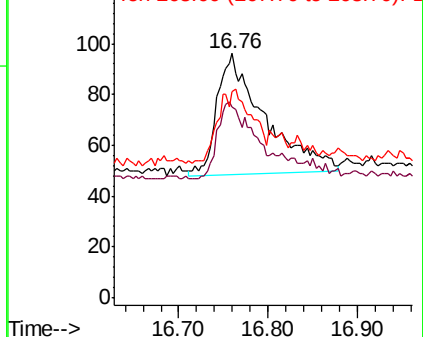
268 44.0 36.2 54.4

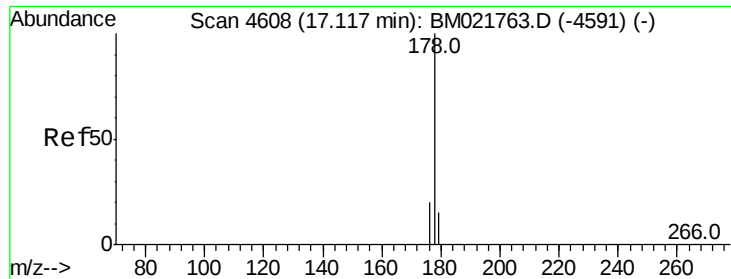


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.477 ng/ul

RT: 17.12 min Scan# 4608

Delta R.T. 0.00 min

Lab File: BM021763.D

Acq: 02 Aug 2019 18:33

Instrument :

BNA_M

ClientSampleId :

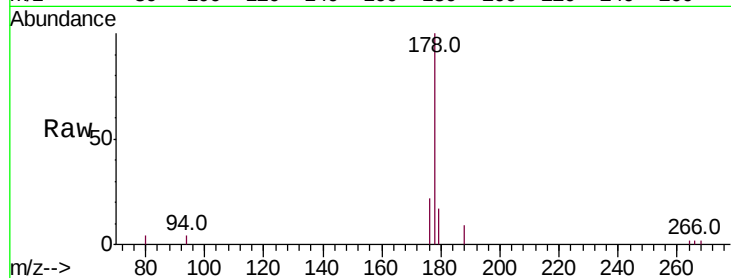
Tot Ion:178 Resp: 4302

Ion Ratio Lower Upper

178 100

179 17.2 13.8 20.6

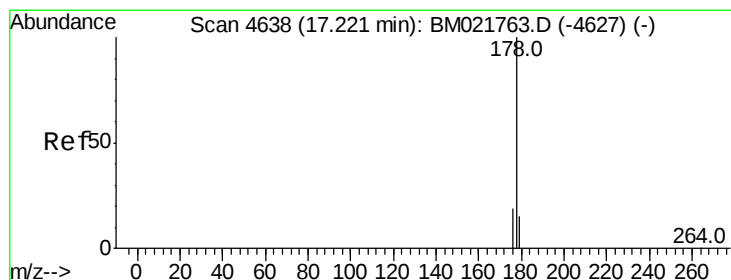
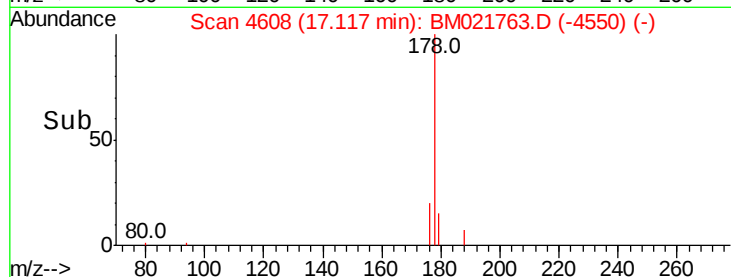
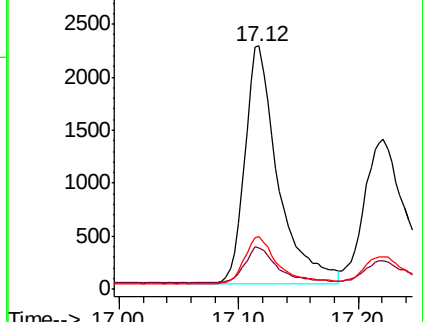
176 21.7 17.4 26.0



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



#13

Anthracene

Concen: 0.418 ng/ul

RT: 17.22 min Scan# 4638

Delta R.T. 0.00 min

Lab File: BM021763.D

Acq: 02 Aug 2019 18:33

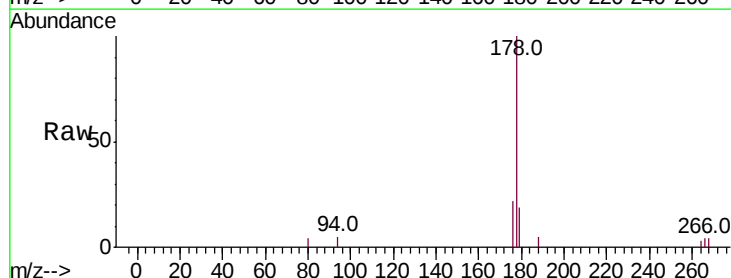
Tgt Ion:178 Resp: 3244

Ion Ratio Lower Upper

178 100

179 19.0 15.2 22.8

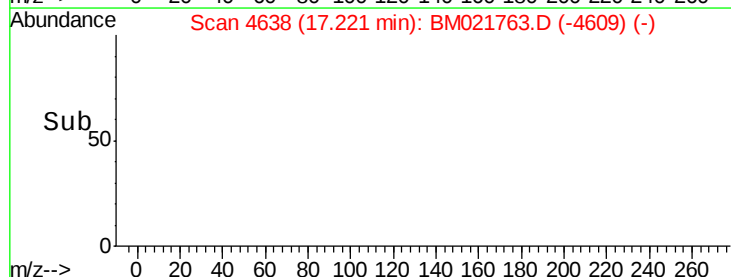
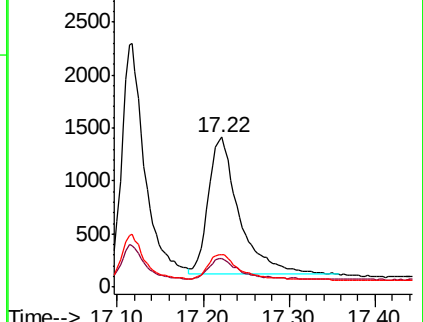
176 21.7 17.4 26.0

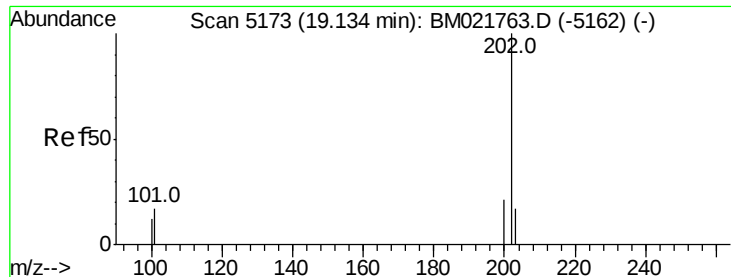


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

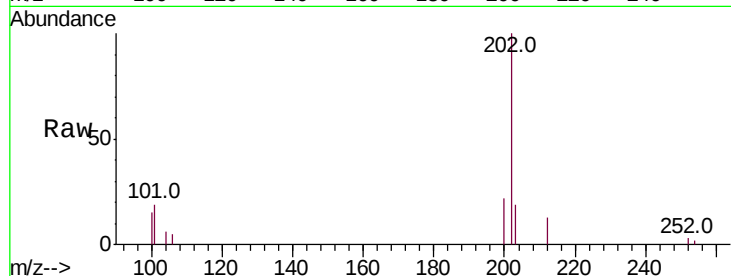




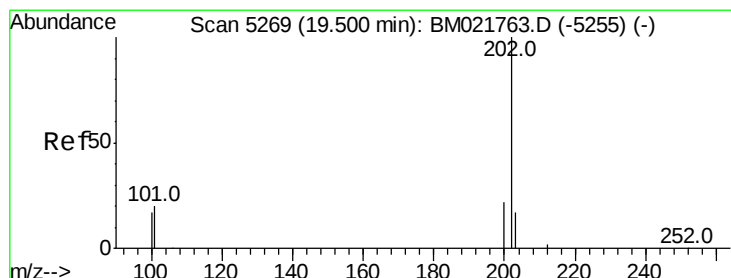
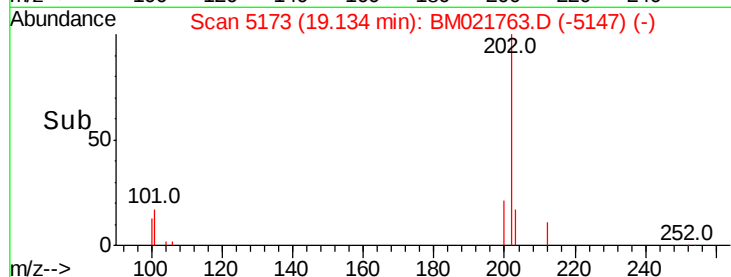
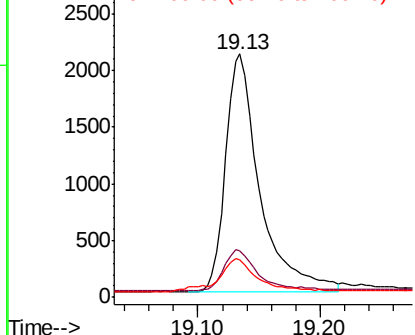
#15
Fluoranthene
Concen: 0.360 ng/ul
RT: 19.13 min Scan# 5173
Delta R.T. 0.00 min
Lab File: BM021763.D
Acq: 02 Aug 2019 18:33

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	19.0	0.0	39.0
100	15.4	0.0	35.4

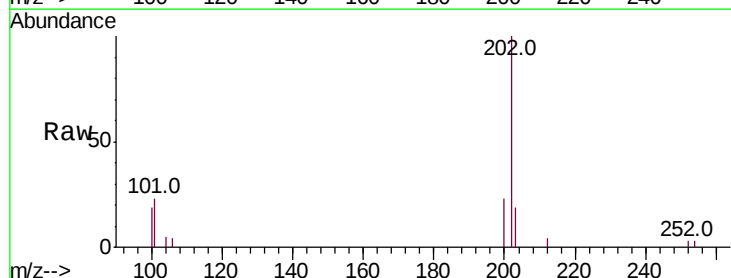


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

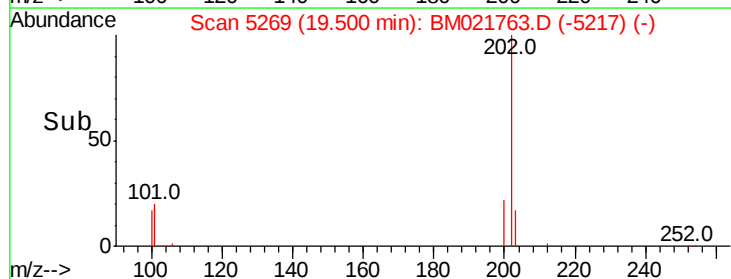
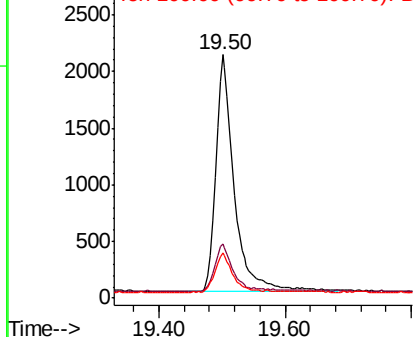


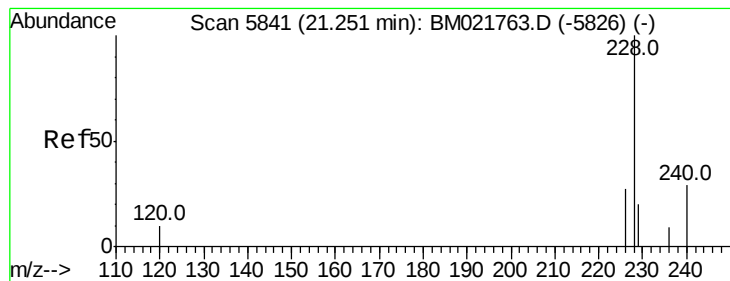
#17
Pyrene
Concen: 0.616 ng/ul
RT: 19.50 min Scan# 5269
Delta R.T. 0.00 min
Lab File: BM021763.D
Acq: 02 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	22.5	18.0	27.0
100	18.8	15.0	22.6



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: 0.358 ng/ul

RT: 21.25 min Scan# 5841

Delta R.T. 0.00 min

Lab File: BM021763.D

Acq: 02 Aug 2019 18:33

Instrument :

BNA_M

ClientSampleId :

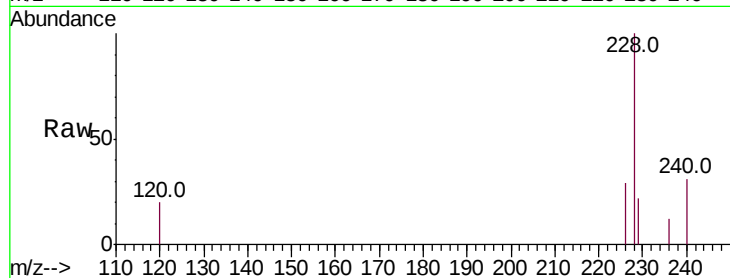
Tot Ion:228 Resp: 2717

Ion Ratio Lower Upper

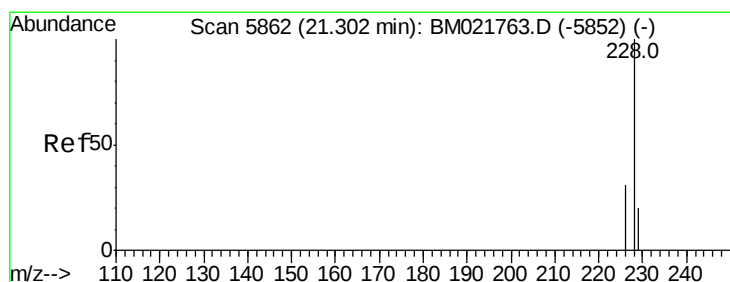
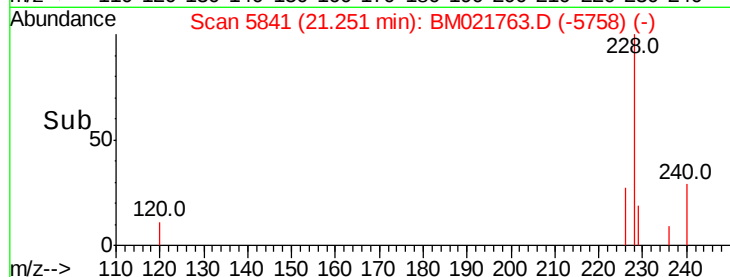
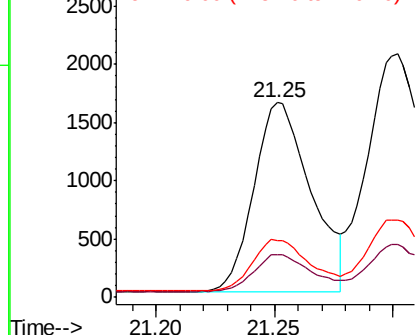
228 100

229 22.0 17.6 26.4

226 29.3 23.4 35.2



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: 0.468 ng/ul

RT: 21.30 min Scan# 5862

Delta R.T. 0.00 min

Lab File: BM021763.D

Acq: 02 Aug 2019 18:33

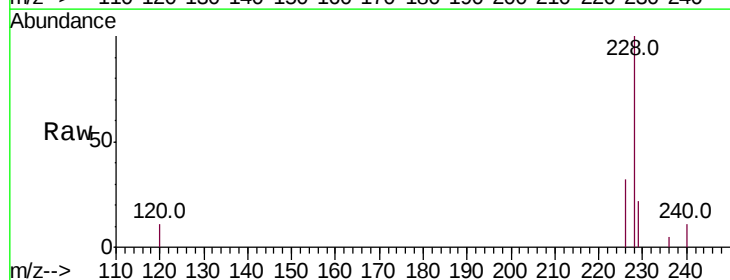
Tgt Ion:228 Resp: 4471

Ion Ratio Lower Upper

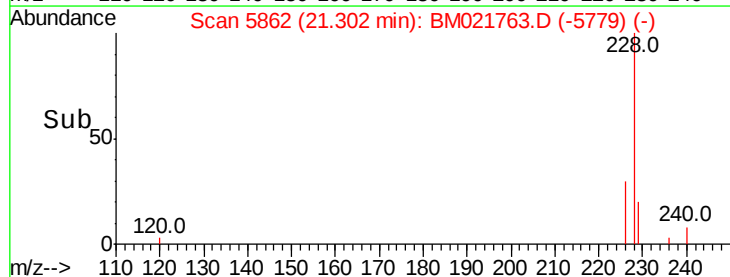
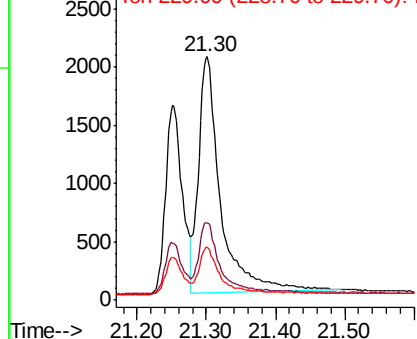
228 100

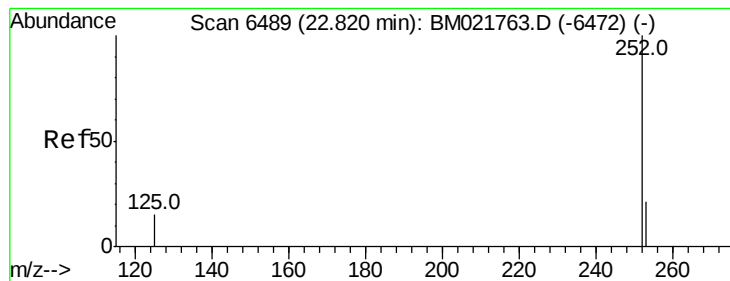
226 31.7 25.4 38.0

229 21.7 17.4 26.0



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: 0.445 ng/u1

RT: 22.82 min Scan# 6489

Delta R.T. 0.00 min

Lab File: BM021763.D

Acq: 02 Aug 2019 18:33

Instrument :

BNA_M

ClientSampleId :

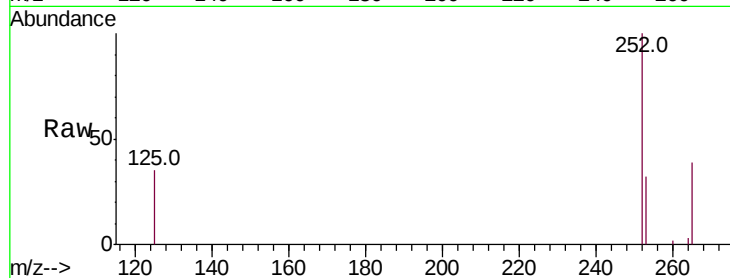
Tot Ion:252 Resp: 3563

Ion Ratio Lower Upper

252 100

253 31.6 0.0 63.2

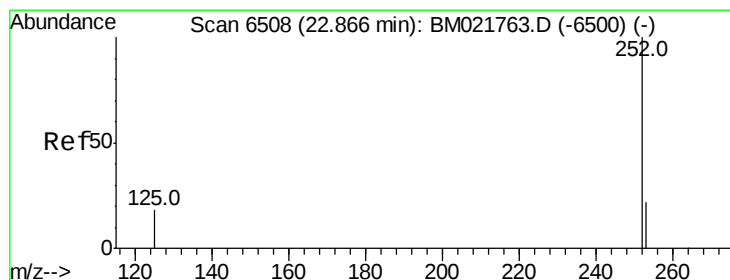
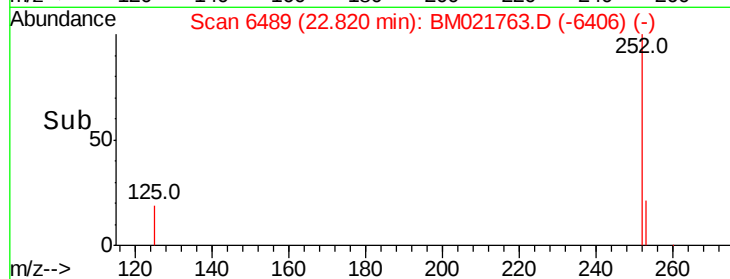
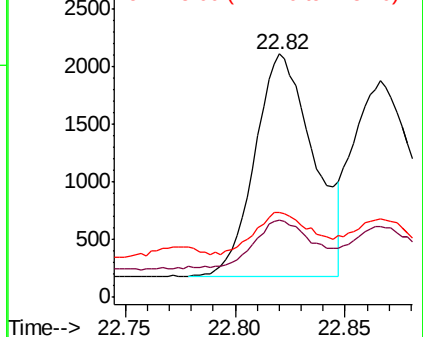
125 34.8 0.0 69.6



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: 0.488 ng/u1

RT: 22.87 min Scan# 6508

Delta R.T. 0.00 min

Lab File: BM021763.D

Acq: 02 Aug 2019 18:33

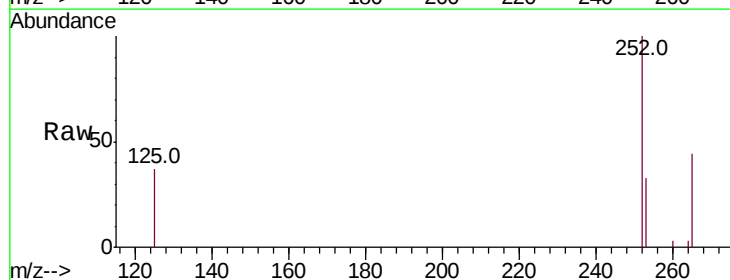
Tgt Ion:252 Resp: 3962

Ion Ratio Lower Upper

252 100

253 33.0 26.4 39.6

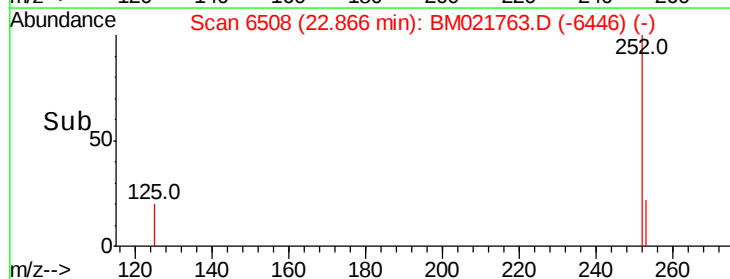
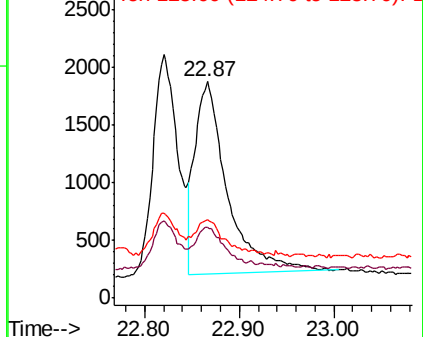
125 36.5 29.2 43.8

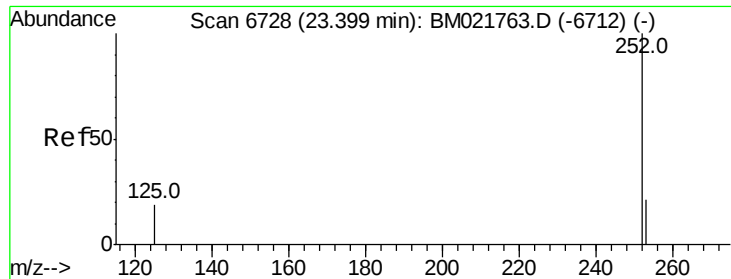


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.406 ng/u1

RT: 23.40 min Scan# 6728

Delta R.T. 0.00 min

Lab File: BM021763.D

Acq: 02 Aug 2019 18:33

Instrument :

BNA_M

ClientSampleId :

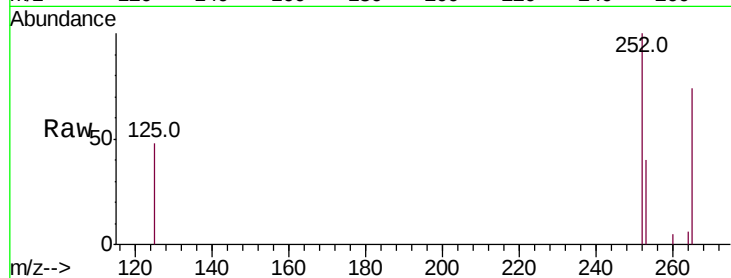
Tot Ion:252 Resp: 2925

Ion Ratio Lower Upper

252 100

253 40.3 32.2 48.4

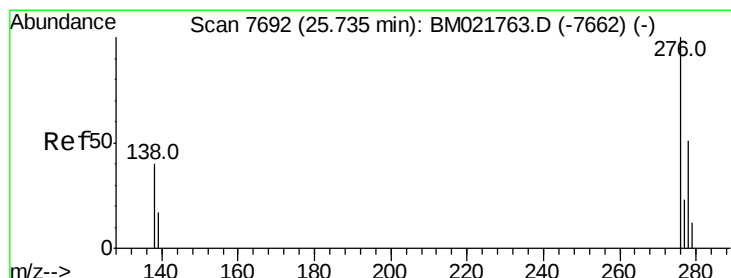
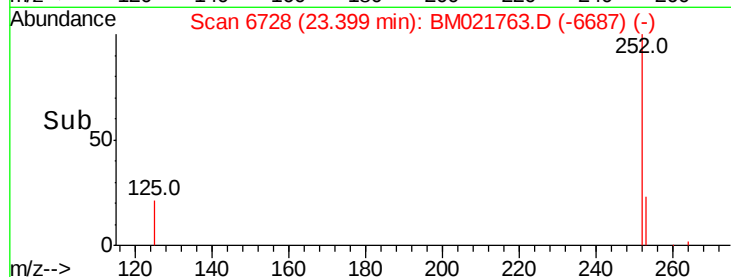
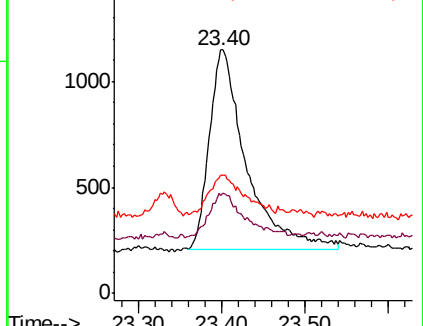
125 48.3 38.6 58.0



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.368 ng/u1

RT: 25.73 min Scan# 7692

Delta R.T. 0.00 min

Lab File: BM021763.D

Acq: 02 Aug 2019 18:33

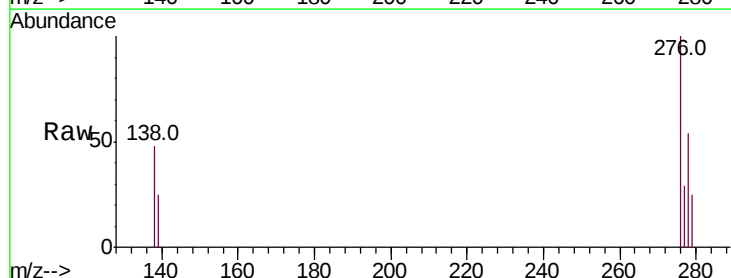
Tgt Ion:276 Resp: 3542

Ion Ratio Lower Upper

276 100

138 43.9 35.1 52.7

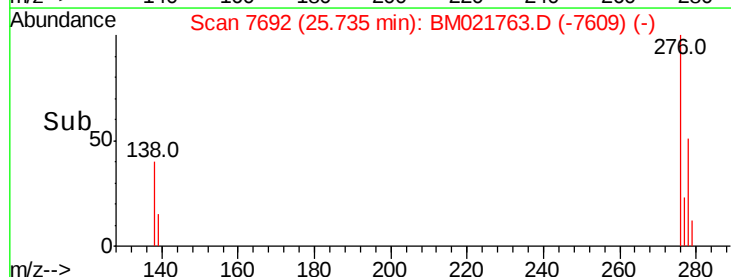
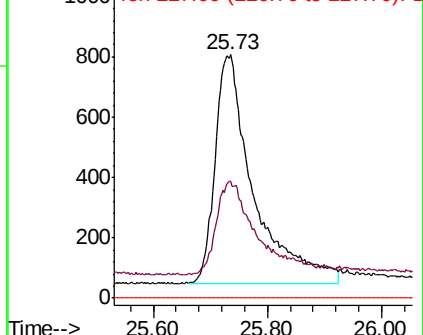
227 0.0 0.0 0.0

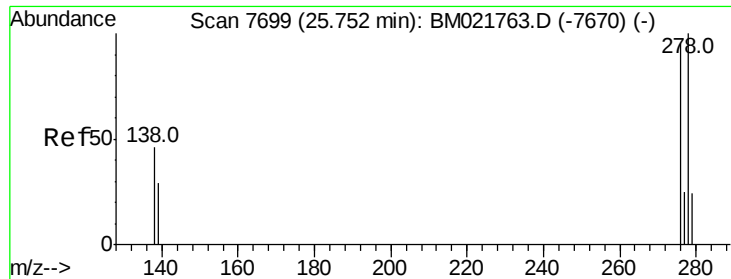


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



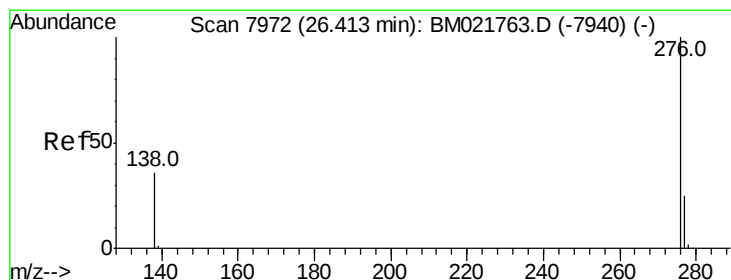
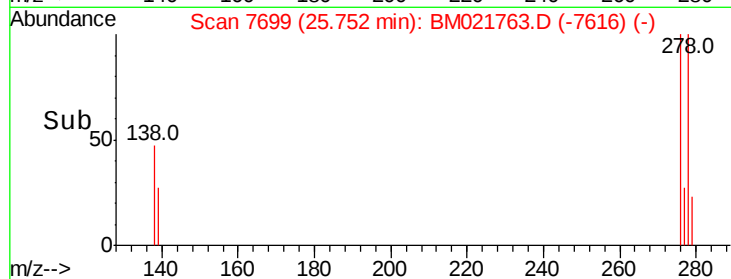
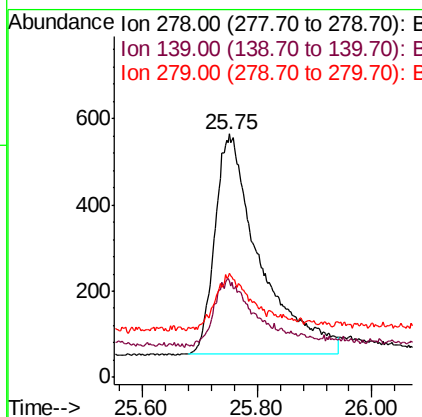
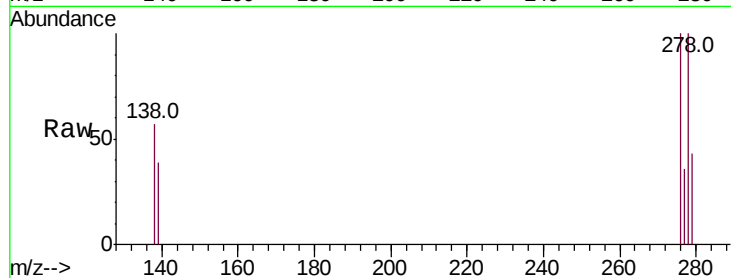


#25
Dibenzo(a,h)anthracene
Concen: 0.369 ng/ul
RT: 25.75 min Scan# 7699
Delta R.T. 0.00 min
Lab File: BM021763.D
Acq: 02 Aug 2019 18:33

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 2784

Ion	Ratio	Lower	Upper
278	100		
139	39.5	31.6	47.4
279	42.7	34.2	51.2



#26
Benzo(g,h,i)perylene
Concen: 0.372 ng/ul
RT: 26.41 min Scan# 7972
Delta R.T. 0.00 min
Lab File: BM021763.D
Acq: 02 Aug 2019 18:33

Tgt Ion:276 Resp: 3434

Ion	Ratio	Lower	Upper
276	100		
138	45.0	36.0	54.0
277	30.5	24.4	36.6

