

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021968.D
 Acq On : 09 Aug 2019 13:35
 Operator : HP/JU
 Sample : K4029-20DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 10 05:22:34 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 : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	850	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	3665	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.27	164	2026	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	4422	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	4250	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	5770	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.03	152	642	0.11	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	1351	0.09	ng/ul	-0.01

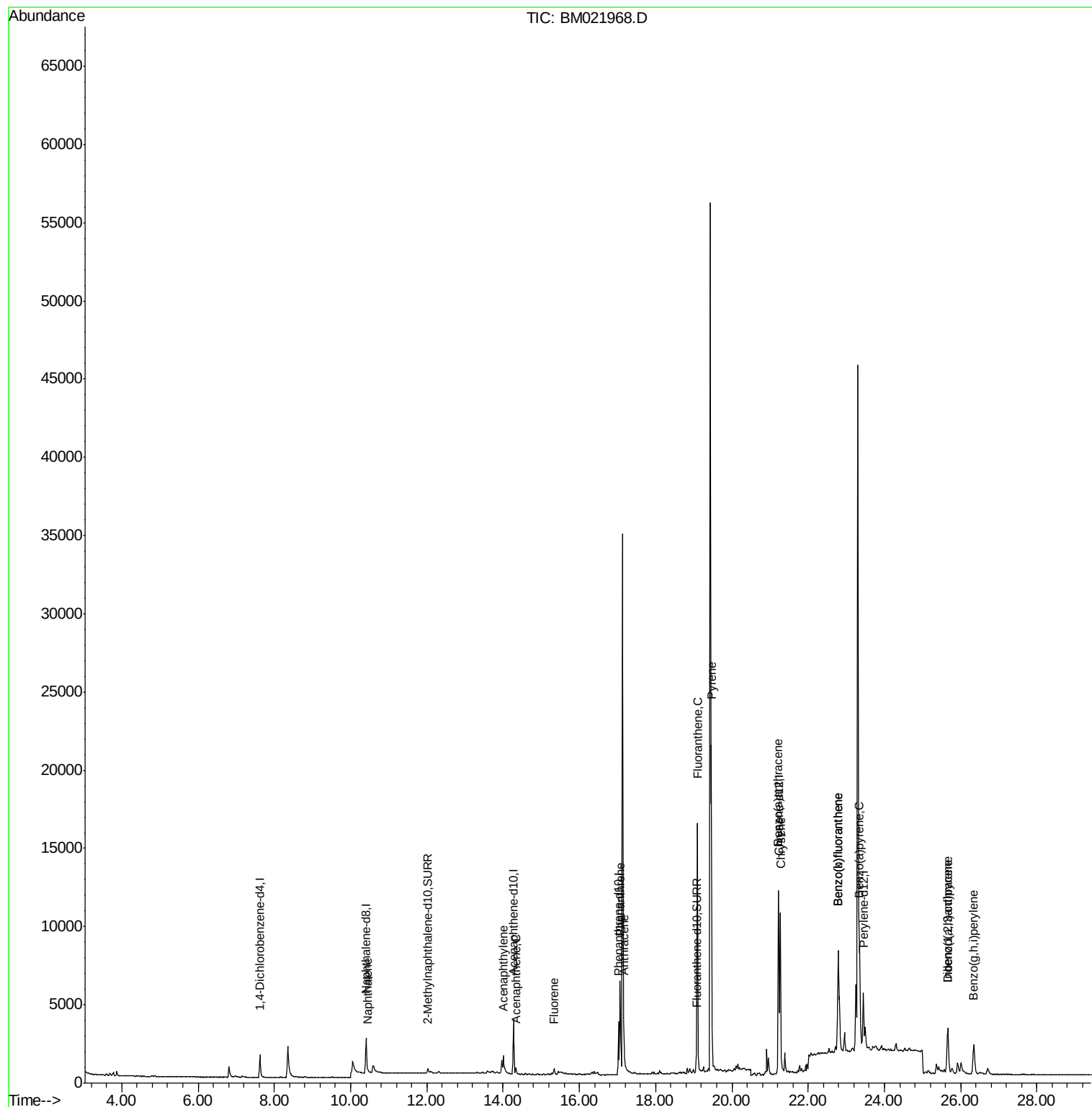
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.45	128	221	0.021	ng/ul#	39
7) Acenaphthylene	14.00	152	633	0.067	ng/ul#	77
8) Acenaphthene	14.34	153	276	0.036	ng/ul	93
9) Fluorene	15.34	166	318	0.037	ng/ul#	89
12) Phenanthrene	17.07	178	6749	0.525	ng/ul	99
13) Anthracene	17.17	178	1749	0.159	ng/ul	95
15) Fluoranthene	19.09	202	14629	0.849	ng/ul	99
17) Pyrene	19.46	202	17989	1.030	ng/ul	98
18) Benzo(a)anthracene	21.22	228	10835	0.713	ng/ul	99
19) Chrysene	21.27	228	9767	0.500	ng/ul	98
21) Benzo(b)fluoranthene	22.78	252	15273	0.785	ng/ul	91
22) Benzo(k)fluoranthene	22.78	252	15273	0.694	ng/ul	91
23) Benzo(a)pyrene	23.35	252	8360	0.422	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.66	276	4935	0.209	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.67	278	1446	0.076	ng/ul#	70
26) Benzo(a,h,i)perylene	26.34	276	4244	0.200	ng/ul	94

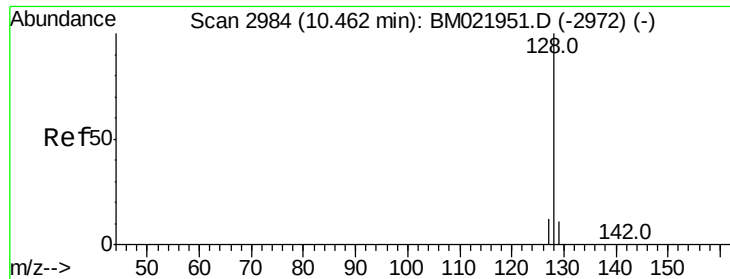
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.021 ng/ul

RT: 10.45 min Scan# 2982

Delta R.T. -0.01 min

Lab File: BM021968.D

Acq: 09 Aug 2019 13:35

Instrument :

BNA_M

ClientSampleId :

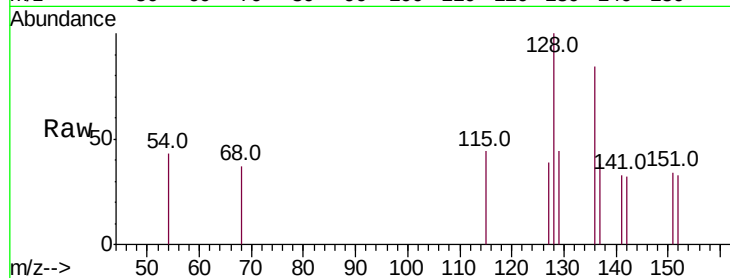
Tot Ion:128 Resp: 221

Ion Ratio Lower Upper

128 100

129 44.2 12.3 18.5#

127 39.1 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

10.45

150

100

50

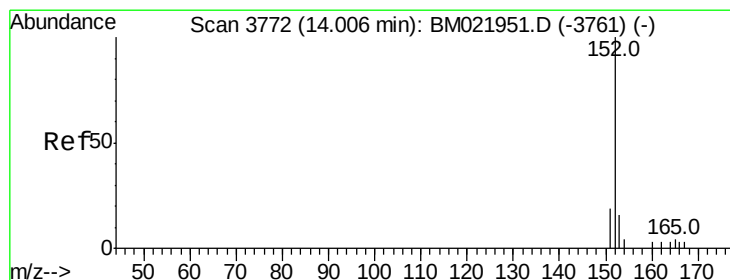
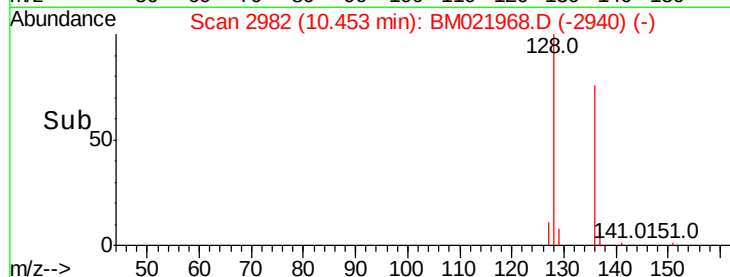
0

Time-->

10.40

10.50

10.60



#7

Acenaphthylene

Concen: 0.067 ng/ul

RT: 14.00 min Scan# 3770

Delta R.T. -0.01 min

Lab File: BM021968.D

Acq: 09 Aug 2019 13:35

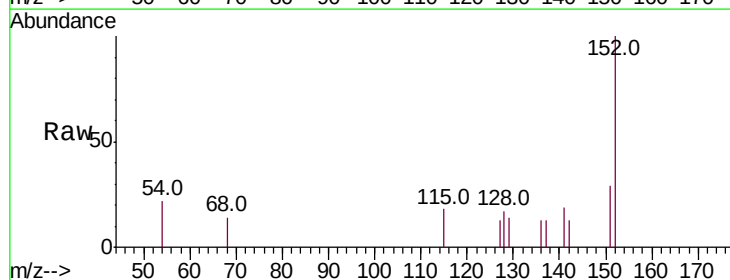
Tgt Ion:152 Resp: 633

Ion Ratio Lower Upper

152 100

151 29.3 18.3 27.5#

153 0.0 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

14.00

500

400

300

200

100

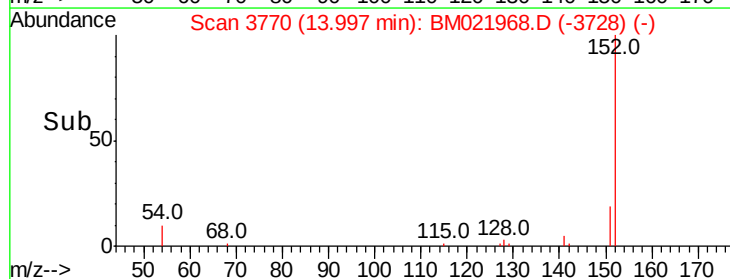
0

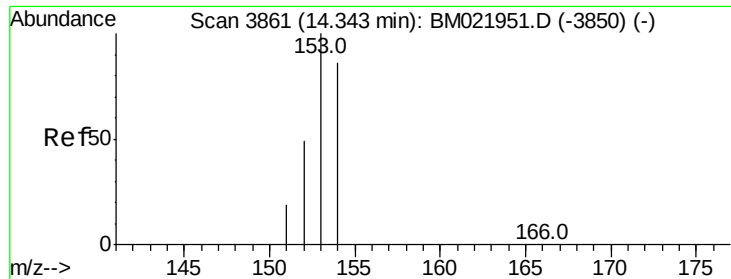
Time-->

13.90

14.00

14.10





#8

Acenaphthene

Concen: 0.036 ng/ul

RT: 14.34 min Scan# 3859

Delta R.T. -0.01 min

Lab File: BM021968.D

Acq: 09 Aug 2019 13:35

Instrument :

BNA_M

ClientSampleId :

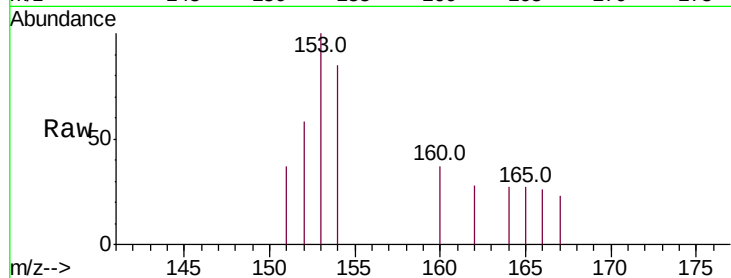
Tot Ion:153 Resp: 276

Ion Ratio Lower Upper

153 100

152 57.8 41.3 61.9

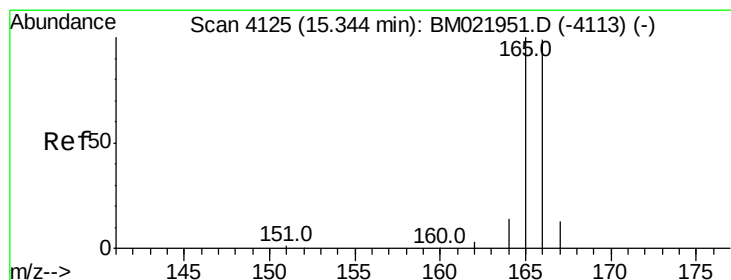
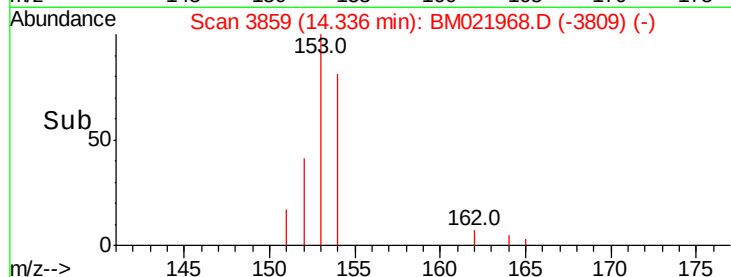
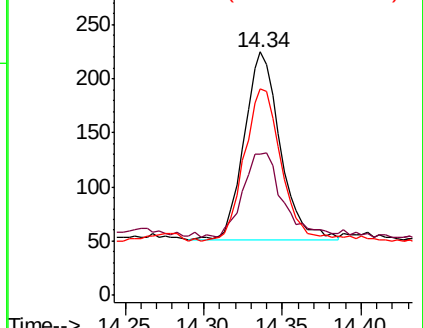
154 84.9 72.3 108.5



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: 0.037 ng/ul

RT: 15.34 min Scan# 4123

Delta R.T. -0.01 min

Lab File: BM021968.D

Acq: 09 Aug 2019 13:35

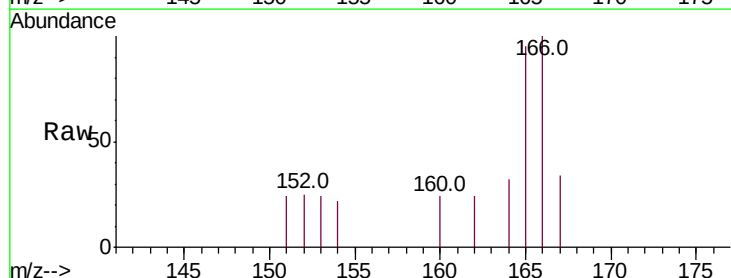
Tgt Ion:166 Resp: 318

Ion Ratio Lower Upper

166 100

165 95.3 81.4 122.0

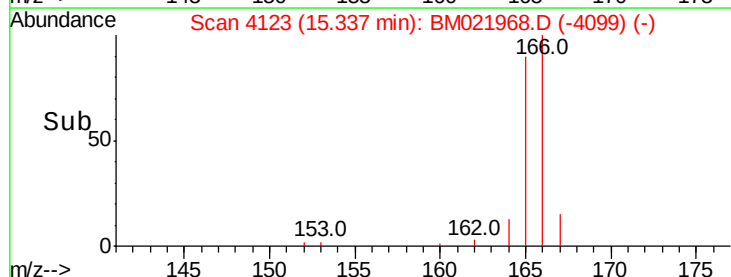
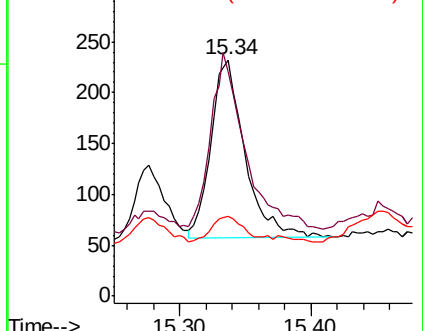
167 34.1 13.7 20.5

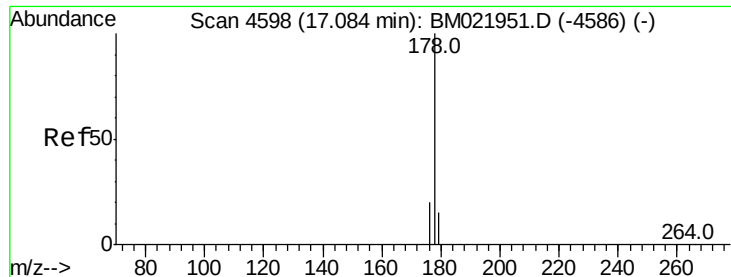


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.525 ng/ul

RT: 17.07 min Scan# 4594

Delta R.T. -0.02 min

Lab File: BM021968.D

Acq: 09 Aug 2019 13:35

Instrument :

BNA_M

ClientSampleId :

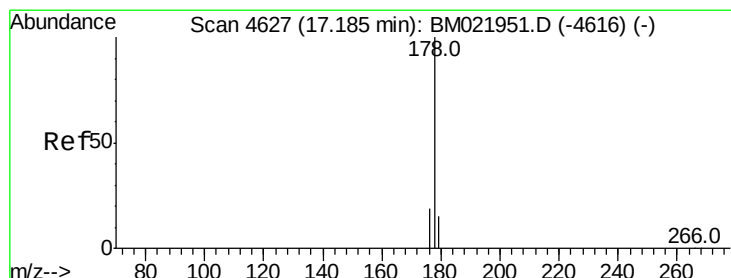
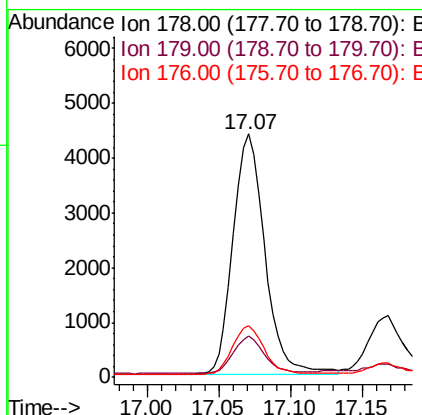
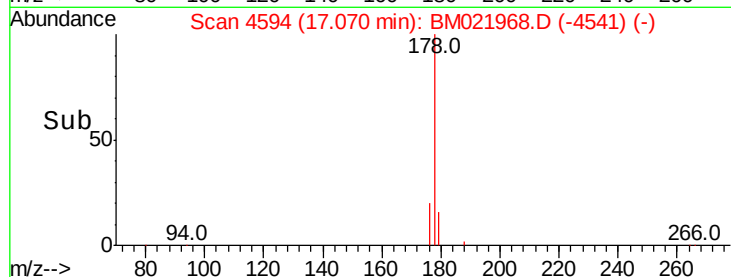
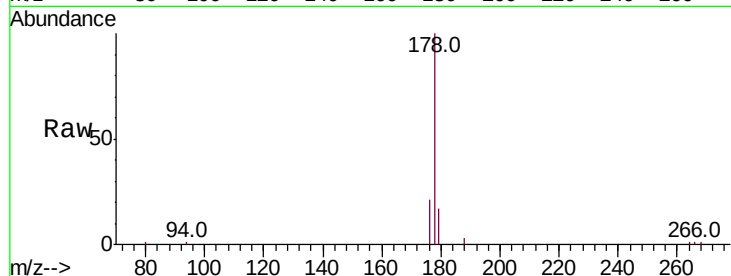
Tot Ion:178 Resp: 6749

Ion Ratio Lower Upper

178 100

179 17.0 14.2 21.2

176 21.0 16.8 25.2



#13

Anthracene

Concen: 0.159 ng/ul

RT: 17.17 min Scan# 4622

Delta R.T. -0.02 min

Lab File: BM021968.D

Acq: 09 Aug 2019 13:35

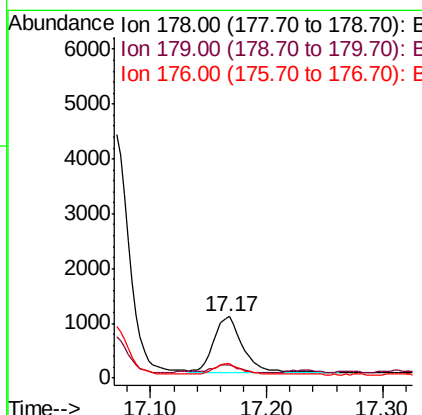
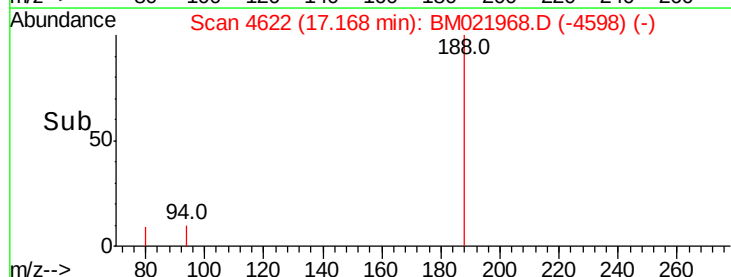
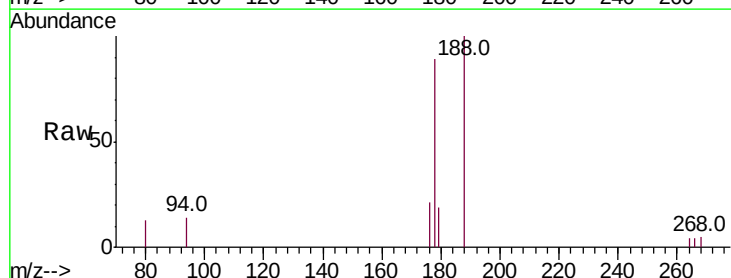
Tgt Ion:178 Resp: 1749

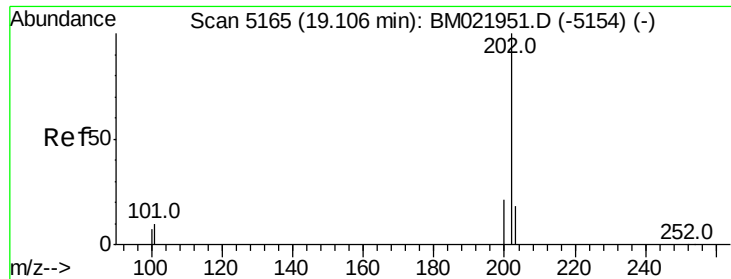
Ion Ratio Lower Upper

178 100

179 21.4 15.5 23.3

176 23.1 16.6 25.0

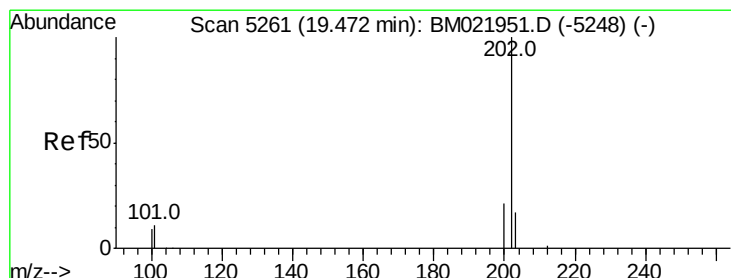
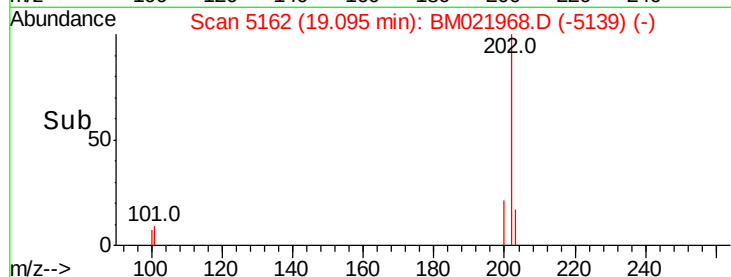
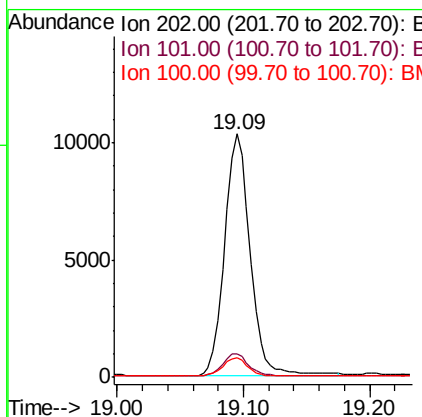
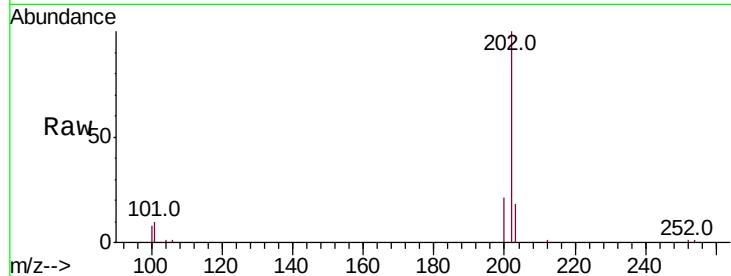




#15
Fluoranthene
Concen: 0.849 ng/ul
RT: 19.09 min Scan# 5162
Delta R.T. -0.01 min
Lab File: BM021968.D
Acq: 09 Aug 2019 13:35

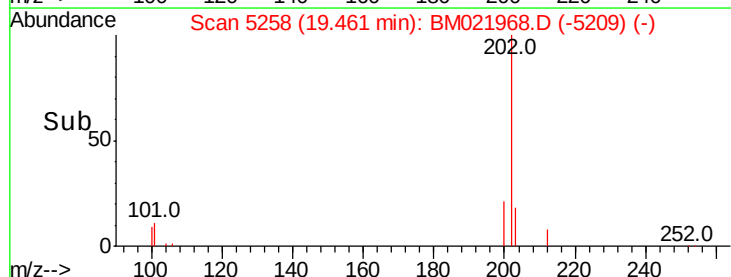
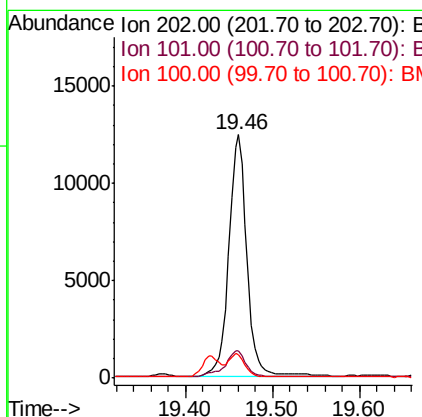
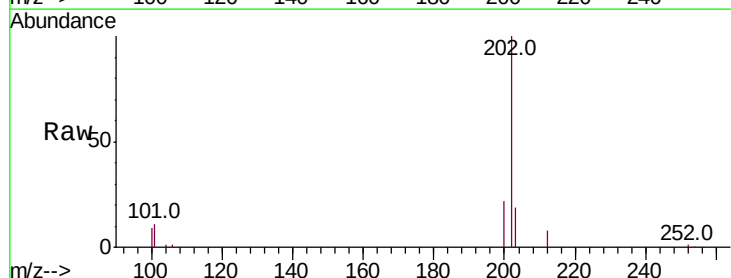
Instrument :
BNA_M
ClientSampleId :

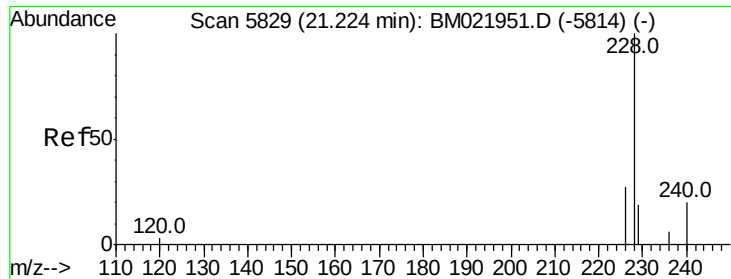
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.2
100	7.9	0.0	28.1



#17
Pyrene
Concen: 1.030 ng/ul
RT: 19.46 min Scan# 5258
Delta R.T. -0.01 min
Lab File: BM021968.D
Acq: 09 Aug 2019 13:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	8.3	12.5
100	9.4	7.2	10.8

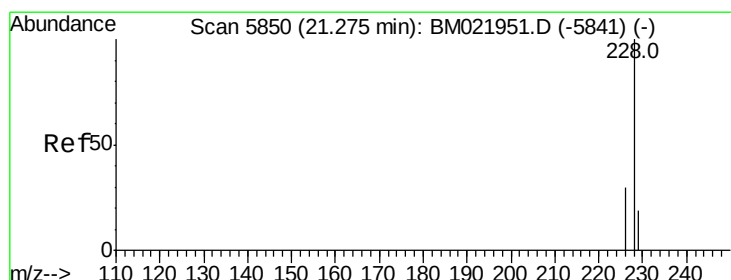
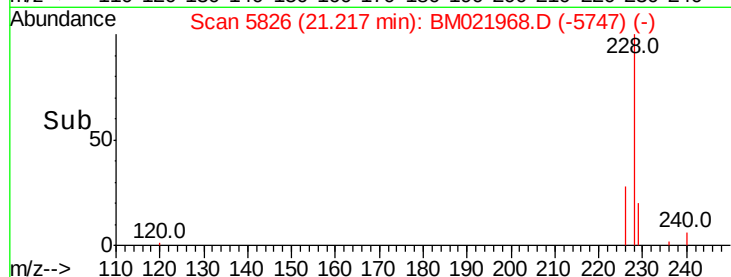
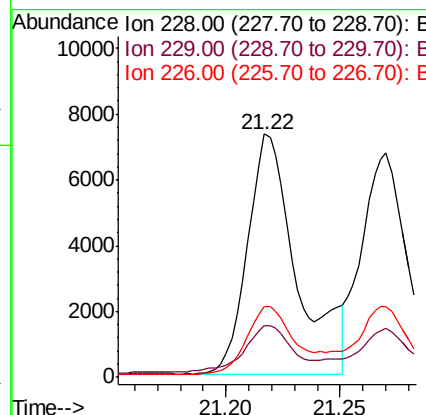
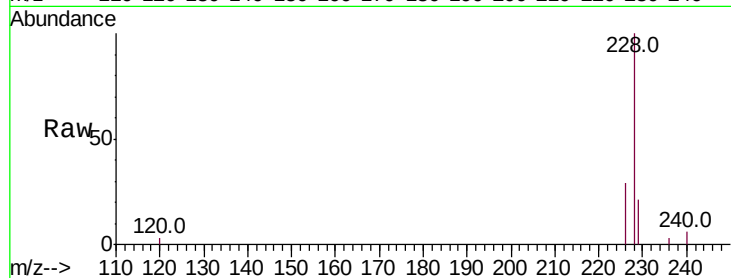




#18
Benzo(a)anthracene
Concen: 0.713 ng/ul
RT: 21.22 min Scan# 5826
Delta R.T. -0.01 min
Lab File: BM021968.D
Acq: 09 Aug 2019 13:35

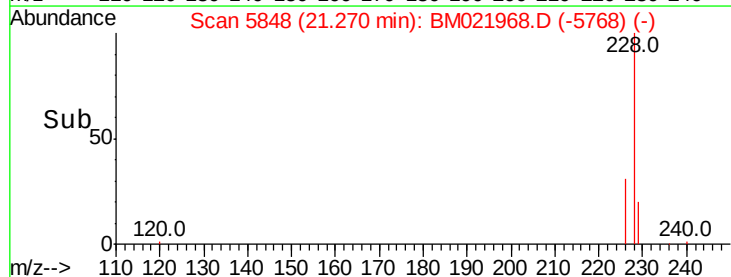
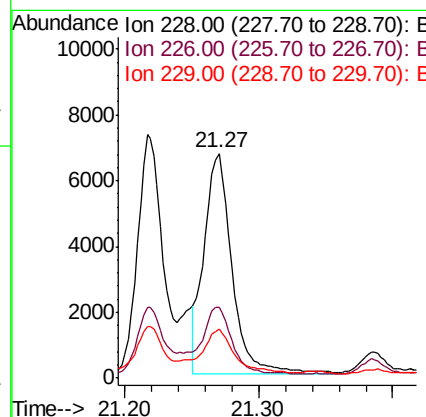
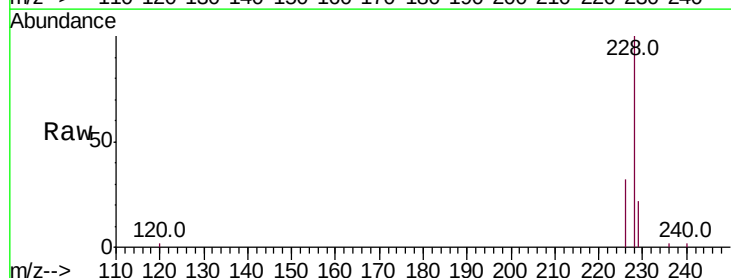
Instrument :
BNA_M
ClientSampleId :

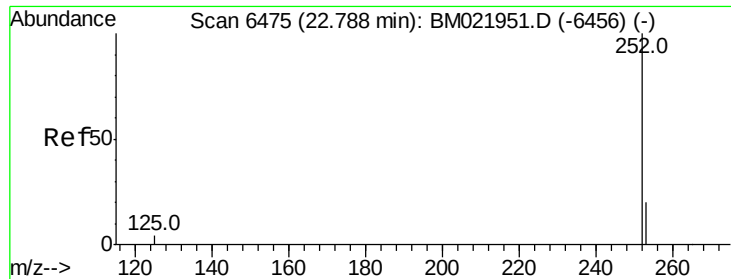
Tot Ion:228 Resp: 10835
Ion Ratio Lower Upper
228 100
229 21.4 17.2 25.8
226 29.2 22.6 34.0



#19
Chrysene
Concen: 0.500 ng/ul
RT: 21.27 min Scan# 5848
Delta R.T. -0.01 min
Lab File: BM021968.D
Acq: 09 Aug 2019 13:35

Tgt Ion:228 Resp: 9767
Ion Ratio Lower Upper
228 100
226 31.8 24.9 37.3
229 21.7 16.6 25.0

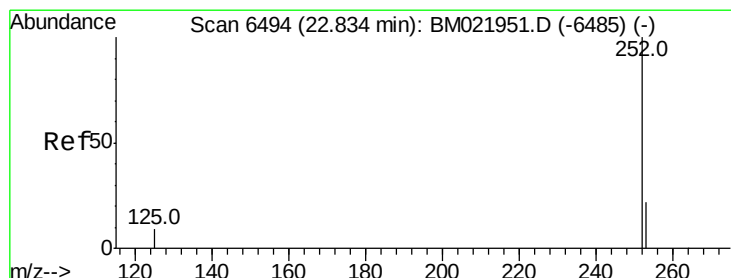
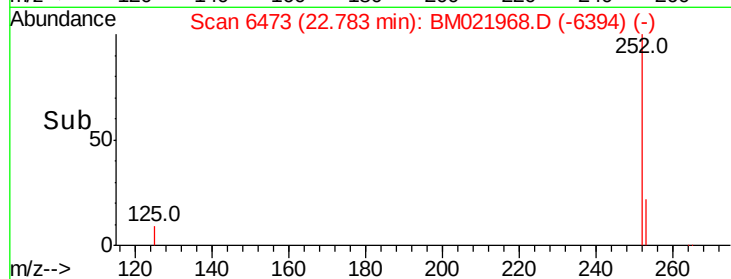
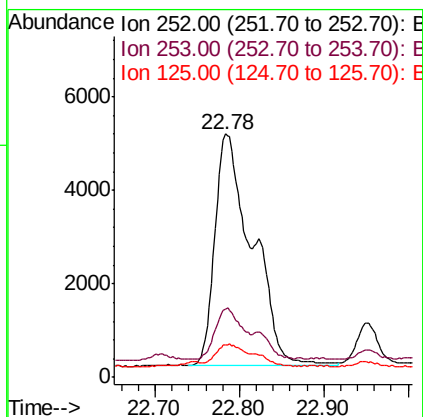
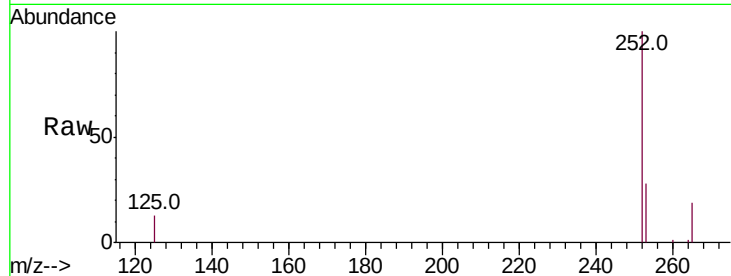




#21
Benzo(b)fluoranthene
Concen: 0.785 ng/ul
RT: 22.78 min Scan# 6473
Delta R.T. -0.01 min
Lab File: BM021968.D
Acq: 09 Aug 2019 13:35

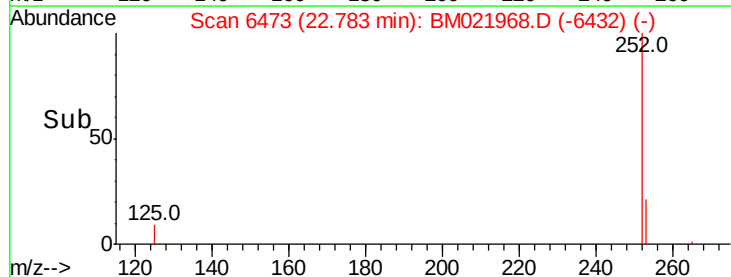
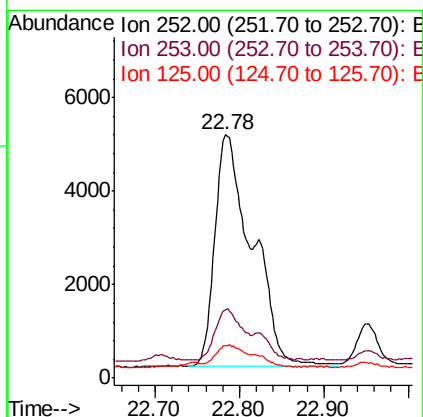
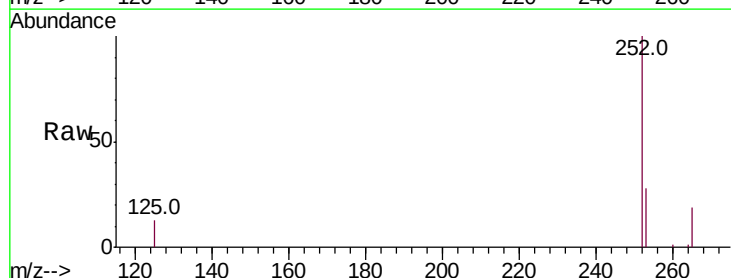
Instrument :
BNA_M
ClientSampleId :

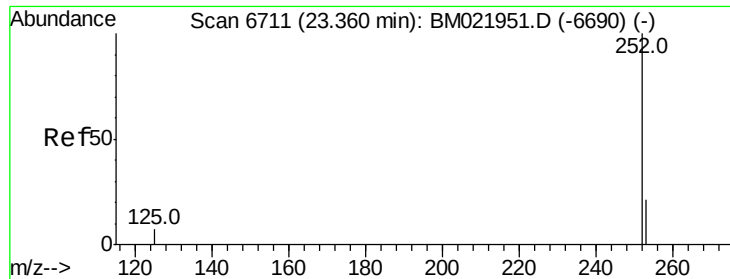
Tot Ion:252 Resp: 15273
Ion Ratio Lower Upper
252 100
253 27.8 0.0 67.4
125 13.1 0.0 31.0



#22
Benzo(k)fluoranthene
Concen: 0.694 ng/ul
RT: 22.78 min Scan# 6473
Delta R.T. -0.05 min
Lab File: BM021968.D
Acq: 09 Aug 2019 13:35

Tgt Ion:252 Resp: 15273
Ion Ratio Lower Upper
252 100
253 27.8 27.0 40.4
125 13.1 12.2 18.2





#23

Benzo(a)pyrene

Concen: 0.422 ng/ul

RT: 23.35 min Scan# 6706

Delta R.T. -0.01 min

Lab File: BM021968.D

Acq: 09 Aug 2019 13:35

Instrument :

BNA_M

ClientSampleId :

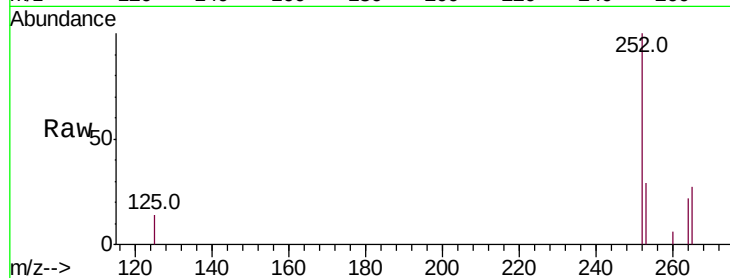
Tot Ion:252 Resp: 8360

Ion Ratio Lower Upper

252 100

253 29.2 31.7 47.5#

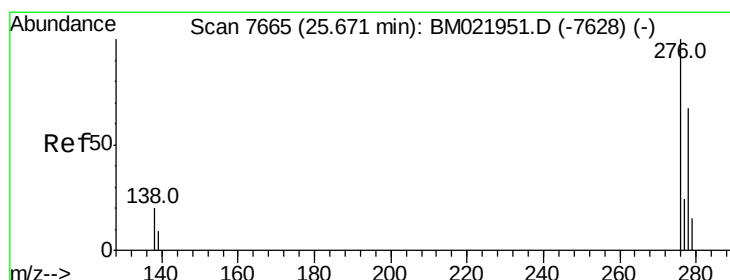
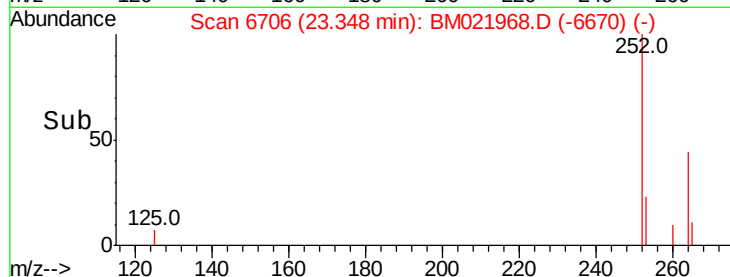
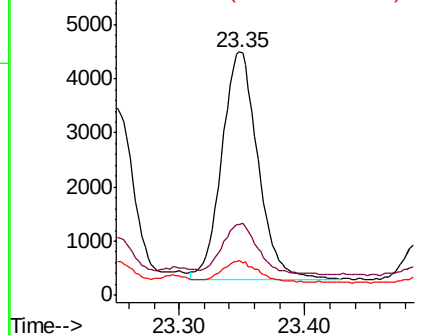
125 14.2 14.6 21.8#



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: 0.209 ng/ul

RT: 25.66 min Scan# 7661

Delta R.T. -0.01 min

Lab File: BM021968.D

Acq: 09 Aug 2019 13:35

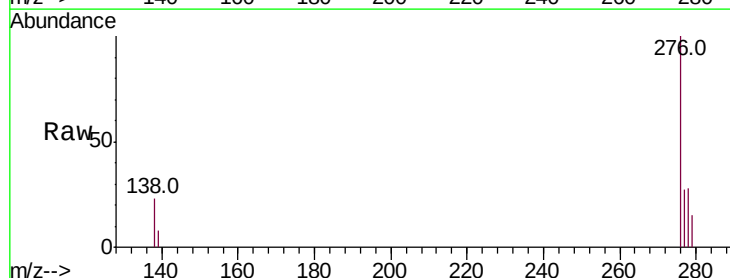
Tgt Ion:276 Resp: 4935

Ion Ratio Lower Upper

276 100

138 18.5 15.1 22.7

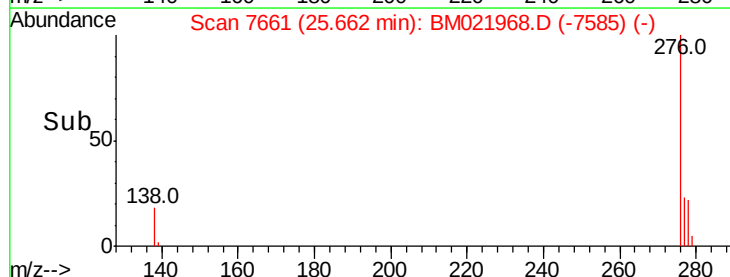
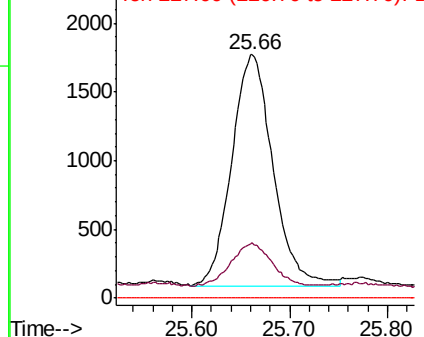
227 0.0 0.0 0.0

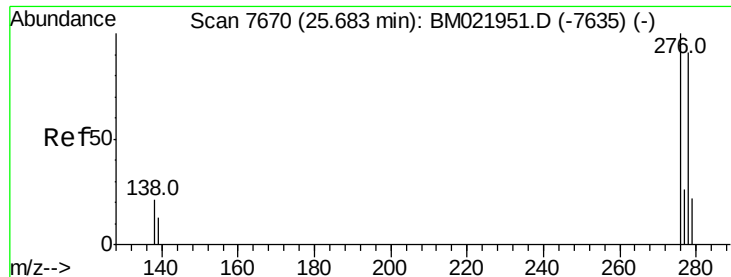


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.076 ng/ul

RT: 25.67 min Scan# 7663

Delta R.T. -0.01 min

Lab File: BM021968.D

Acq: 09 Aug 2019 13:35

Instrument :

BNA_M

ClientSampleId :

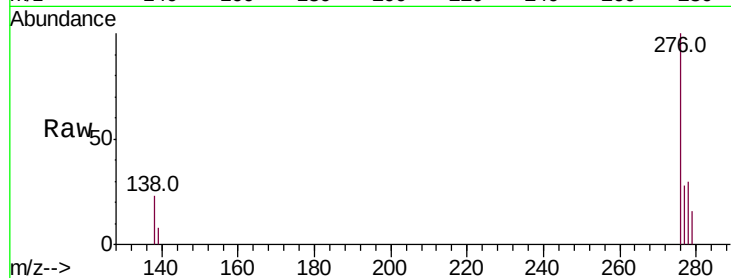
Tot Ion:278 Resp: 1446

Ion Ratio Lower Upper

278 100

139 27.5 14.2 21.2#

279 55.2 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

25.67

400

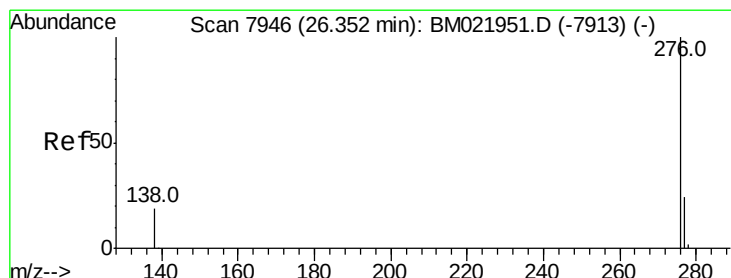
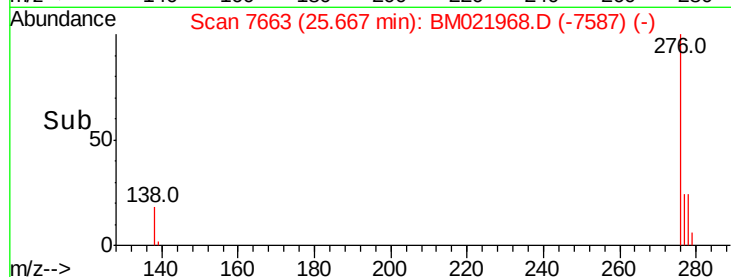
200

0

25.60

25.70

Time-->



#26

Benzo(g,h,i)perylene

Concen: 0.200 ng/ul

RT: 26.34 min Scan# 7941

Delta R.T. -0.02 min

Lab File: BM021968.D

Acq: 09 Aug 2019 13:35

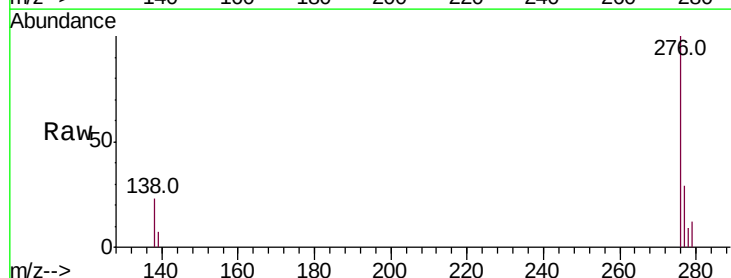
Tgt Ion:276 Resp: 4244

Ion Ratio Lower Upper

276 100

138 23.1 15.5 23.3

277 29.3 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

26.34

1500

1000

500

0

26.20

26.30

26.40

26.50

Time-->

