

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
 Data File : BM022181.D
 Acq On : 16 Aug 2019 21:53
 Operator : HP/JU
 Sample : K4183-14DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 04:14:52 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 16 14:59:47 2019
 Response via : Initial Calibration

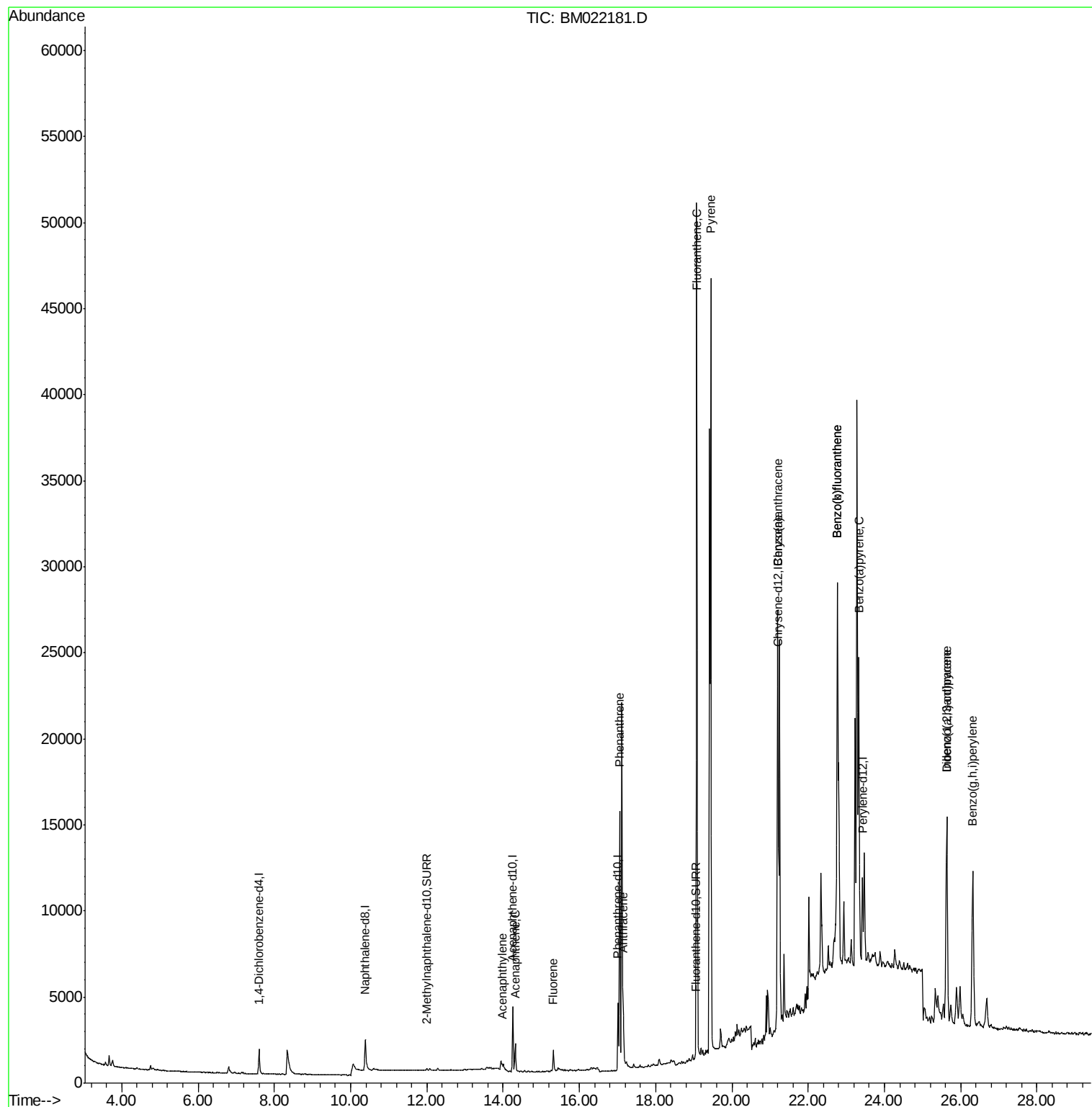
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	851	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.38	136	3697	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.25	164	2234	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.01	188	5203	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	5218	0.40	ng/ul	-0.01
20) Perylene-d12	23.42	264	6040	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	192	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	526	0.03	ng/ul	-0.02
Target Compounds				Ovalue		
7) Acenaphthylene	13.98	152	414	0.040	ng/ul#	59
8) Acenaphthene	14.32	153	1080	0.127	ng/ul	98
9) Fluorene	15.32	166	983	0.104	ng/ul#	97
12) Phenanthrene	17.05	178	16623	1.098	ng/ul	98
13) Anthracene	17.15	178	3353	0.260	ng/ul	98
15) Fluoranthene	19.08	202	43685	2.154	ng/ul	96
17) Pyrene	19.44	202	40428	1.885	ng/ul	98
18) Benzo(a)anthracene	21.20	228	20274	1.086	ng/ul	95
19) Chrysene	21.20	228	20274	0.845	ng/ul	96
21) Benzo(b)fluoranthene	22.76	252	50666	2.488	ng/ul	94
22) Benzo(k)fluoranthene	22.76	252	50848	2.206	ng/ul	94
23) Benzo(a)pyrene	23.33	252	23828	1.150	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.63	276	19719	0.797	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.64	278	4953	0.248	ng/ul#	51
26) Benzo(g,h,i)perylene	26.32	276	18966	0.852	ng/ul	95

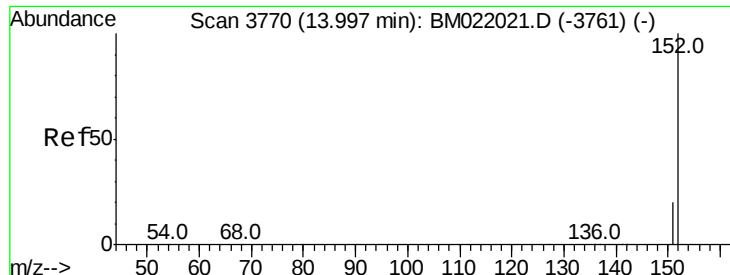
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 16 14:59:47 2019
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#7

Acenaphthylene

Concen: 0.040 ng/ul

RT: 13.98 min Scan# 3766

Delta R.T. -0.02 min

Lab File: BM022181.D

Acq: 16 Aug 2019 21:53

Instrument :

BNA_M

ClientSampleId :

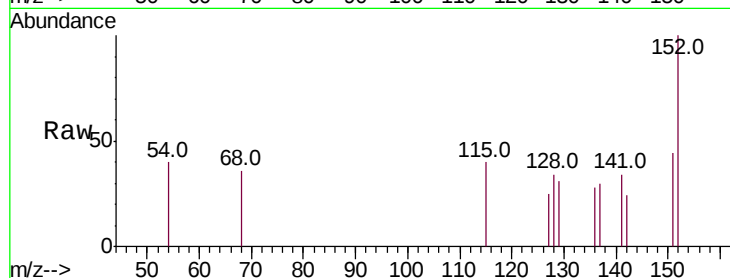
Tot Ion:152 Resp: 414

Ion Ratio Lower Upper

152 100

151 43.8 18.3 27.5#

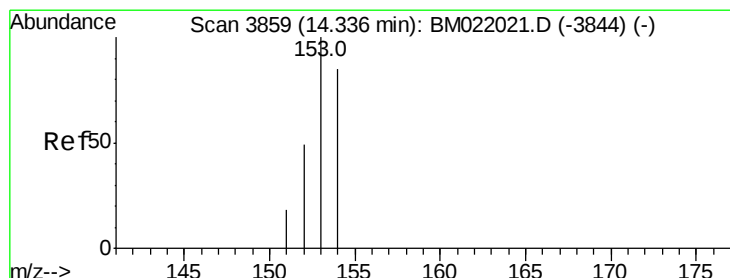
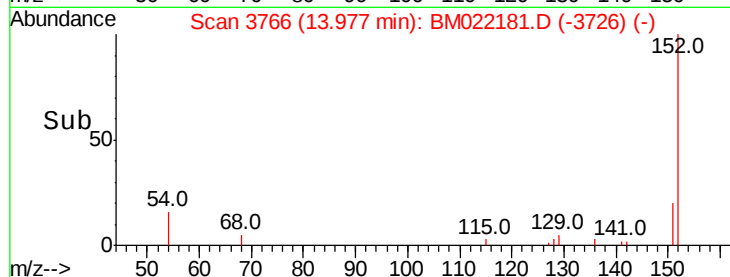
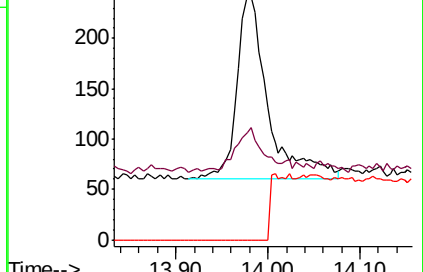
153 0.0 12.8 19.2#



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



#8

Acenaphthene

Concen: 0.127 ng/ul

RT: 14.32 min Scan# 3855

Delta R.T. -0.01 min

Lab File: BM022181.D

Acq: 16 Aug 2019 21:53

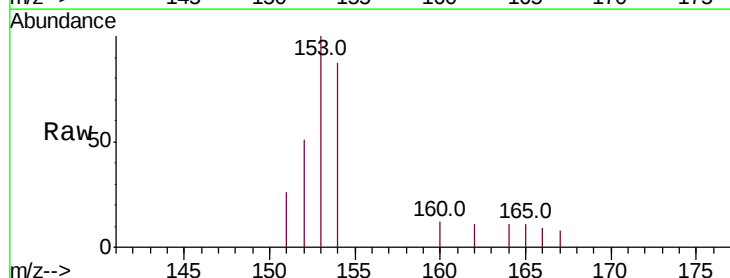
Tgt Ion:153 Resp: 1080

Ion Ratio Lower Upper

153 100

152 51.4 41.3 61.9

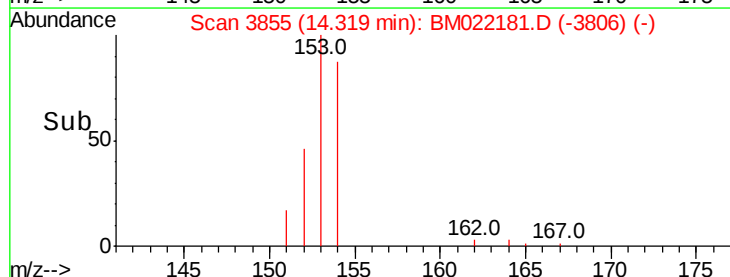
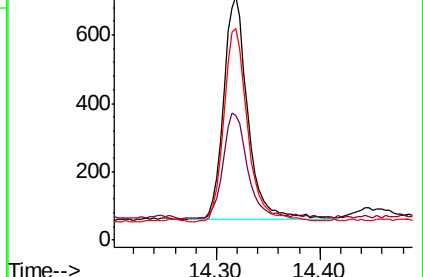
154 87.1 72.3 108.5

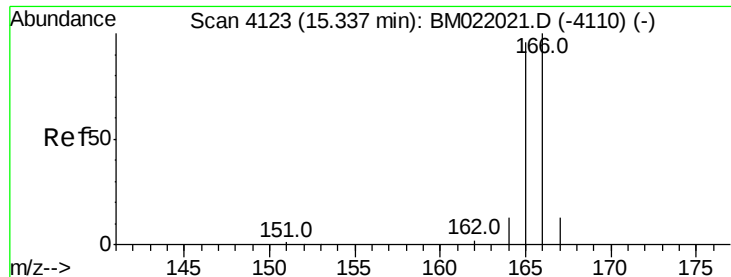


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.104 ng/ul

RT: 15.32 min Scan# 4118

Delta R.T. -0.02 min

Lab File: BM022181.D

Acq: 16 Aug 2019 21:53

Instrument :

BNA_M

ClientSampleId :

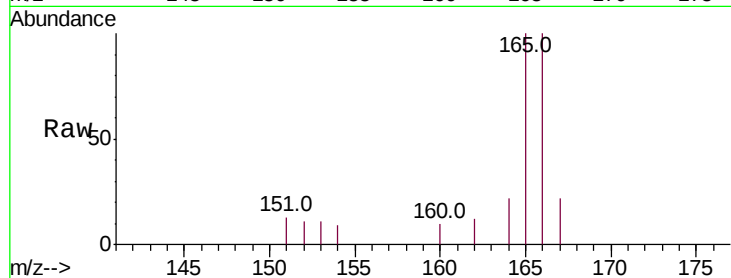
Tot Ion:166 Resp: 983

Ion Ratio Lower Upper

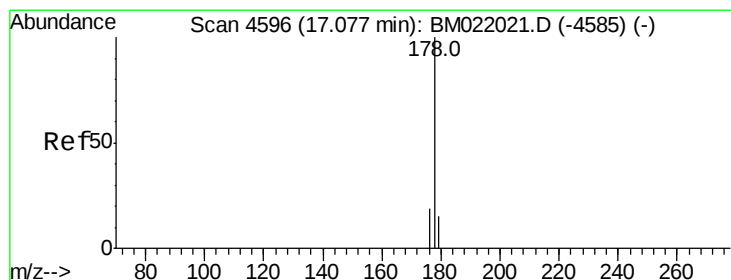
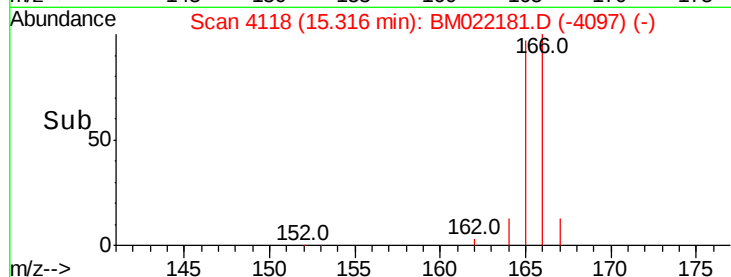
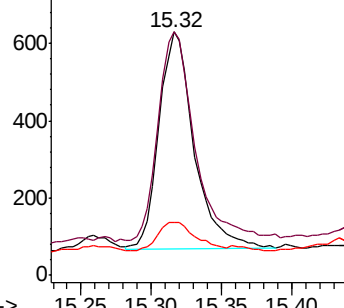
166 100

165 100.2 81.4 122.0

167 21.9 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: 1.098 ng/ul

RT: 17.05 min Scan# 4590

Delta R.T. -0.02 min

Lab File: BM022181.D

Acq: 16 Aug 2019 21:53

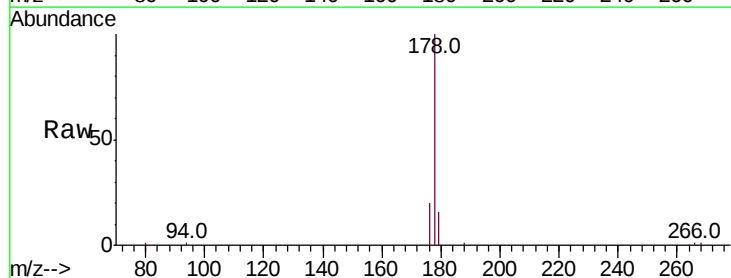
Tgt Ion:178 Resp: 16623

Ion Ratio Lower Upper

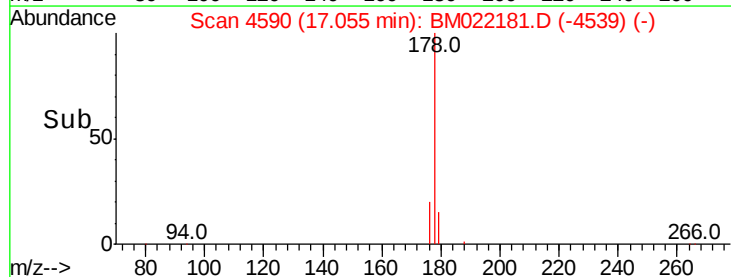
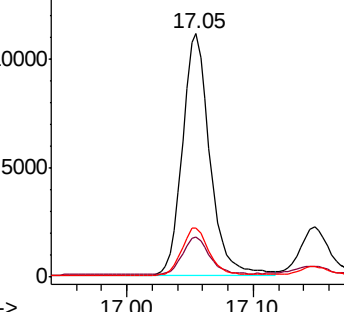
178 100

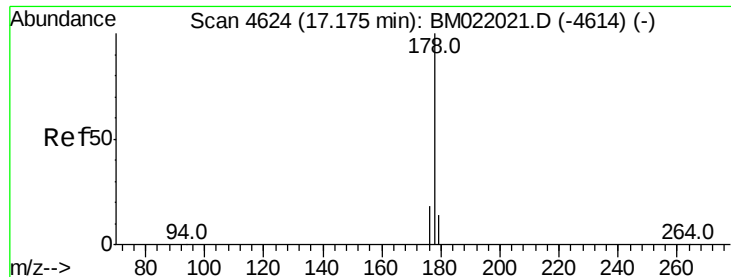
179 16.3 14.2 21.2

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: 0.260 ng/ul

RT: 17.15 min Scan# 4617

Delta R.T. -0.03 min

Lab File: BM022181.D

Acq: 16 Aug 2019 21:53

Instrument :

BNA_M

ClientSampleId :

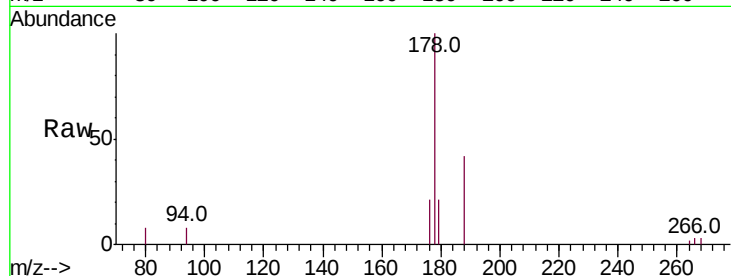
Tot Ion:178 Resp: 3353

Ion Ratio Lower Upper

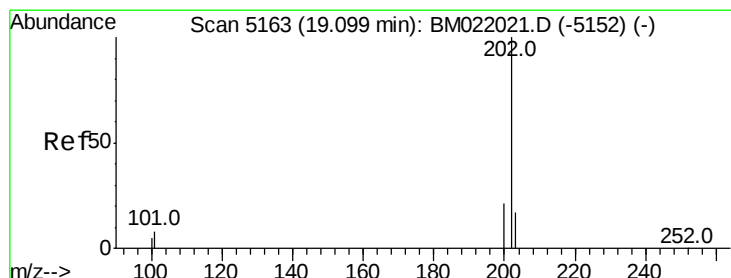
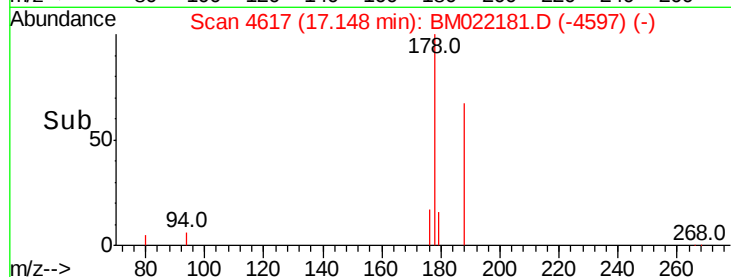
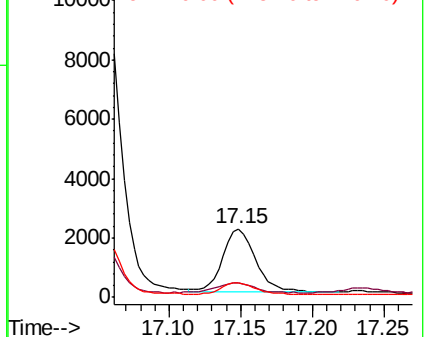
178 100

179 21.2 15.5 23.3

176 21.3 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: 2.154 ng/ul

RT: 19.08 min Scan# 5158

Delta R.T. -0.02 min

Lab File: BM022181.D

Acq: 16 Aug 2019 21:53

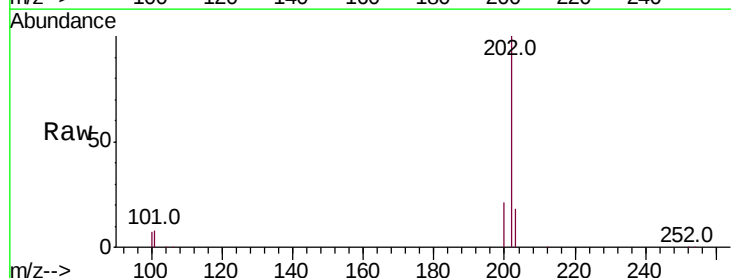
Tgt Ion:202 Resp: 43685

Ion Ratio Lower Upper

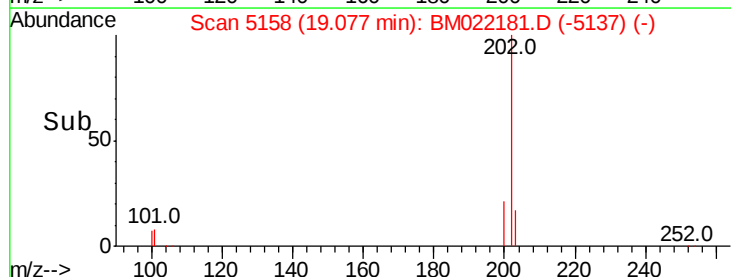
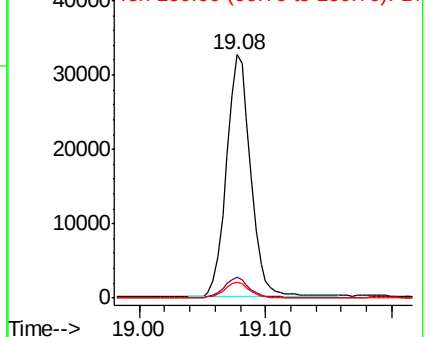
202 100

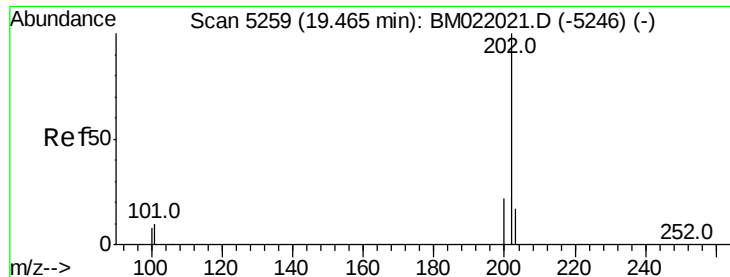
101 8.4 0.0 30.2

100 6.7 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): E

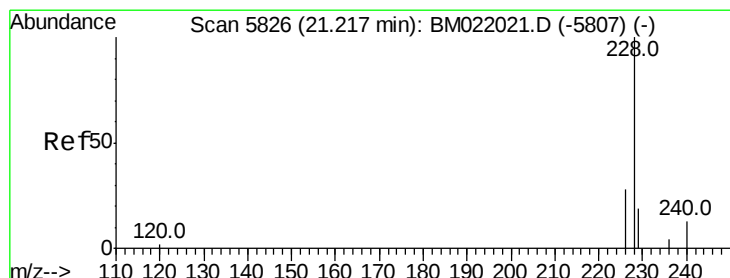
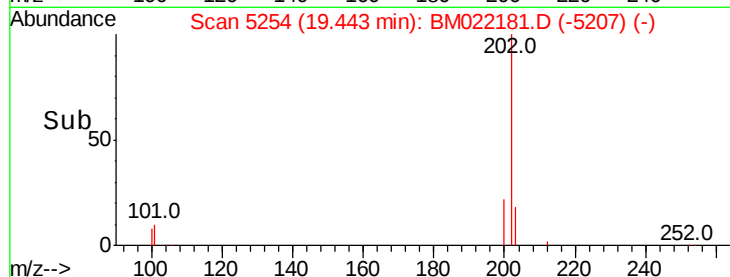
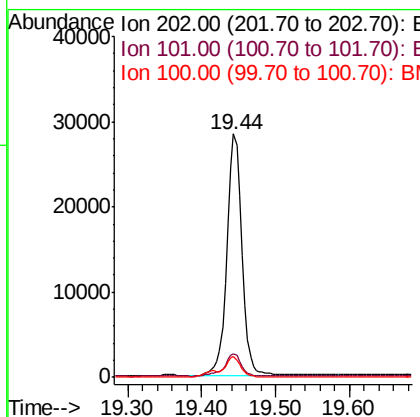
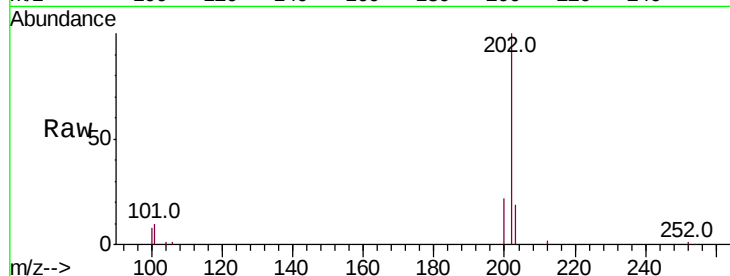




#17
Pvrene
Concen: 1.885 ng/ul
RT: 19.44 min Scan# 5254
Delta R.T. -0.02 min
Lab File: BM022181.D
Acq: 16 Aug 2019 21:53

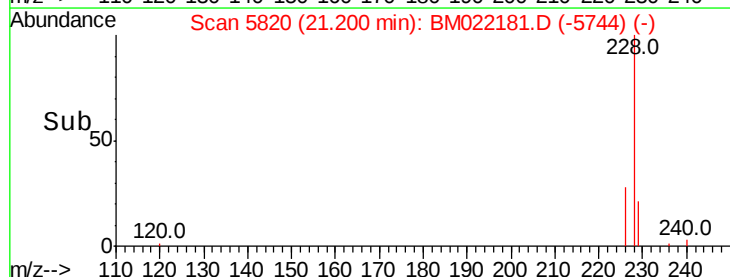
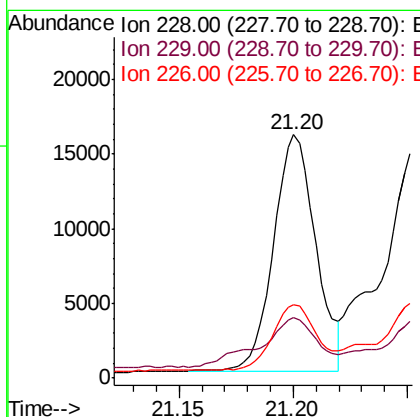
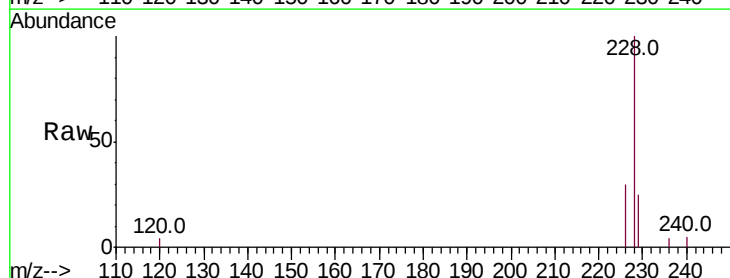
Instrument :
BNA_M
ClientSampleId :

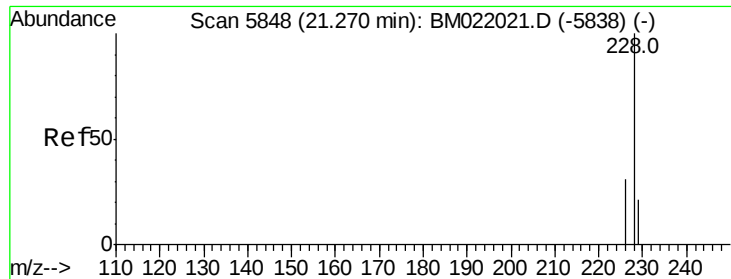
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.9	8.3	12.5
100	8.4	7.2	10.8



#18
Benzo(a)anthracene
Concen: 1.086 ng/ul
RT: 21.20 min Scan# 5820
Delta R.T. -0.02 min
Lab File: BM022181.D
Acq: 16 Aug 2019 21:53

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.9	17.2	25.8
226	30.4	22.6	34.0





#19

Chrysene

Concen: 0.845 ng/ul

RT: 21.20 min Scan# 5820

Delta R.T. -0.07 min

Lab File: BM022181.D

Acq: 16 Aug 2019 21:53

Instrument :

BNA_M

ClientSampleId :

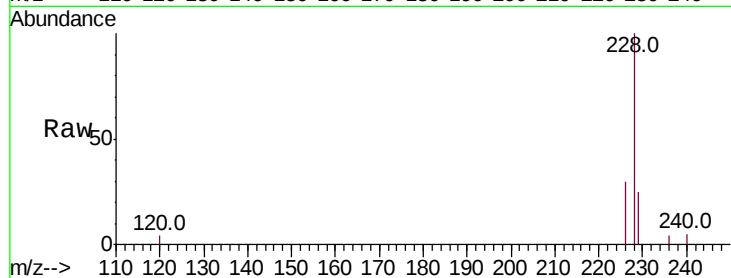
Tot Ion:228 Resp: 20274

Ion Ratio Lower Upper

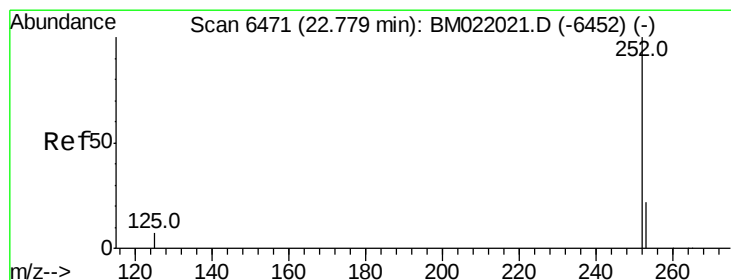
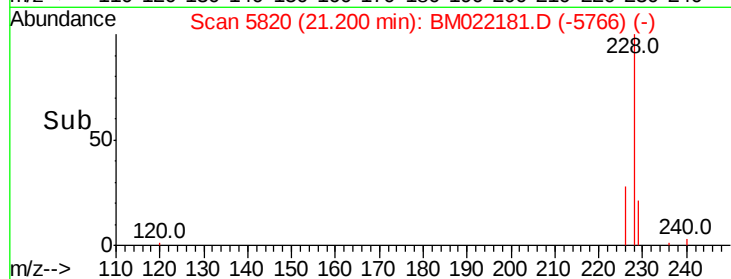
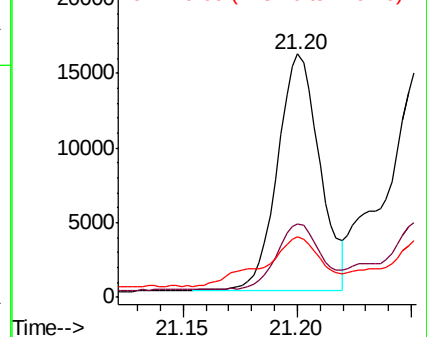
228 100

226 30.4 24.9 37.3

229 24.9 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: 2.488 ng/ul

RT: 22.76 min Scan# 6466

Delta R.T. -0.01 min

Lab File: BM022181.D

Acq: 16 Aug 2019 21:53

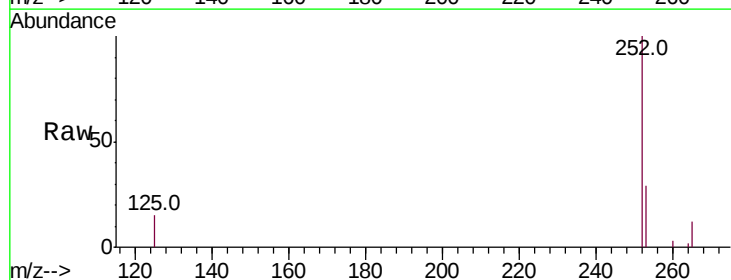
Tgt Ion:252 Resp: 50666

Ion Ratio Lower Upper

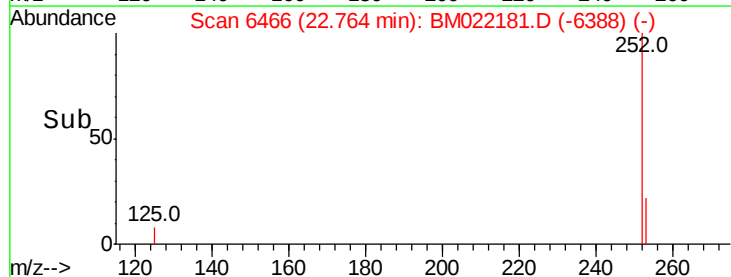
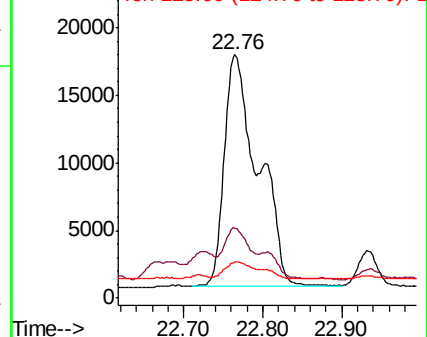
252 100

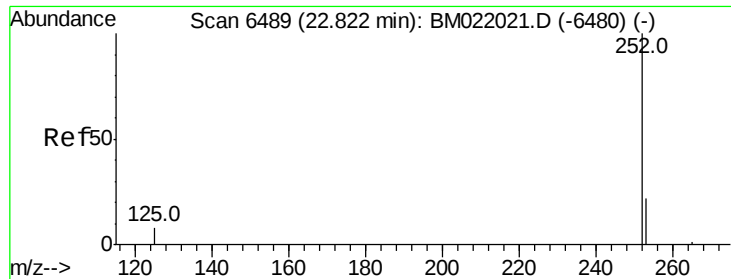
253 28.7 0.0 67.4

125 15.1 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

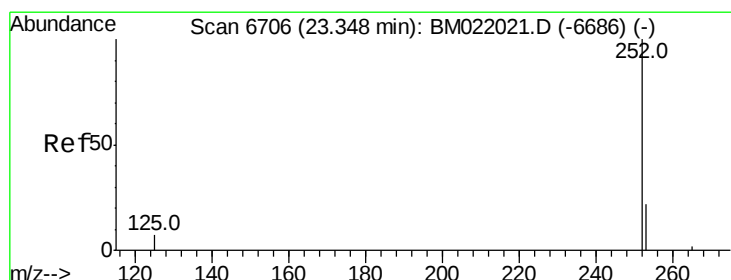
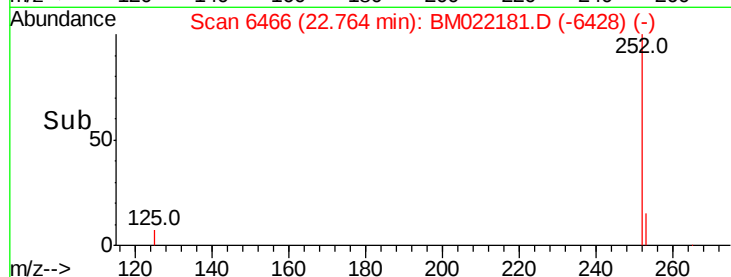
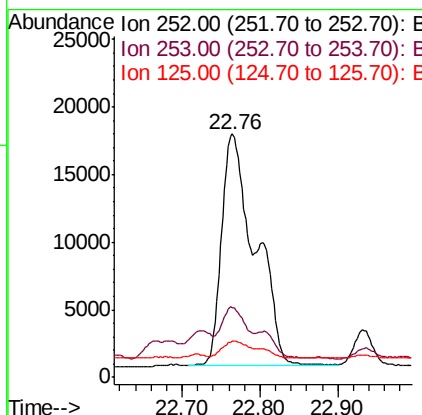
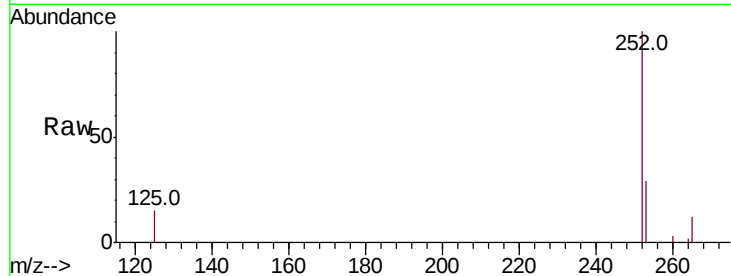




#22
Benzo(k)fluoranthene
Concen: 2.206 ng/ul
RT: 22.76 min Scan# 6466
Delta R.T. -0.06 min
Lab File: BM022181.D
Acq: 16 Aug 2019 21:53

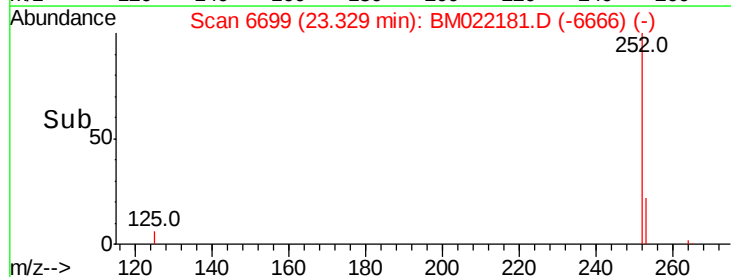
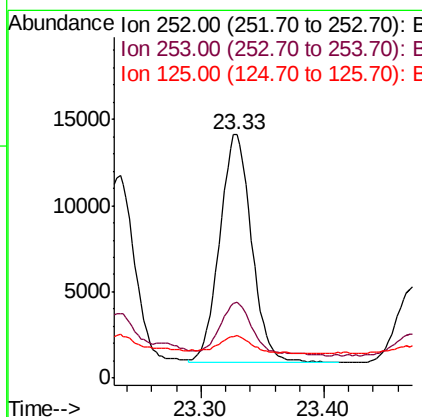
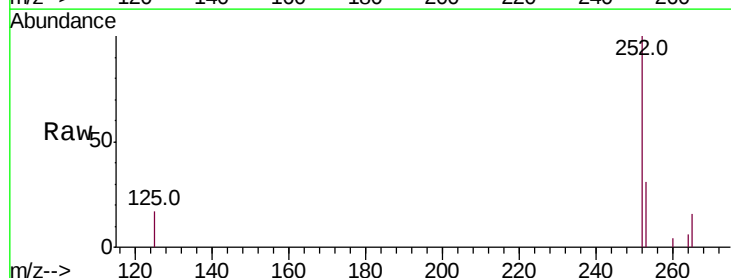
Instrument :
BNA_M
ClientSampleId :

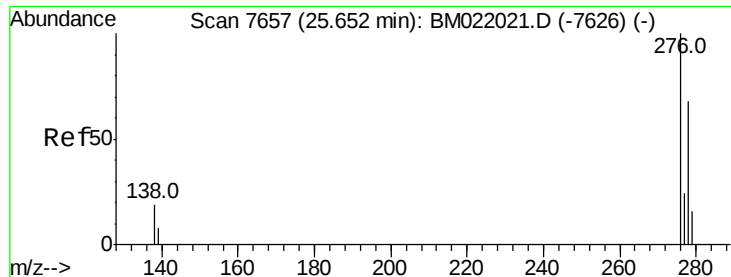
Tot Ion:252 Resp: 50848
Ion Ratio Lower Upper
252 100
253 28.7 27.0 40.4
125 15.1 12.2 18.2



#23
Benzo(a)pyrene
Concen: 1.150 ng/ul
RT: 23.33 min Scan# 6699
Delta R.T. -0.02 min
Lab File: BM022181.D
Acq: 16 Aug 2019 21:53

Tgt Ion:252 Resp: 23828
Ion Ratio Lower Upper
252 100
253 31.0 31.7 47.5#
125 17.4 14.6 21.8

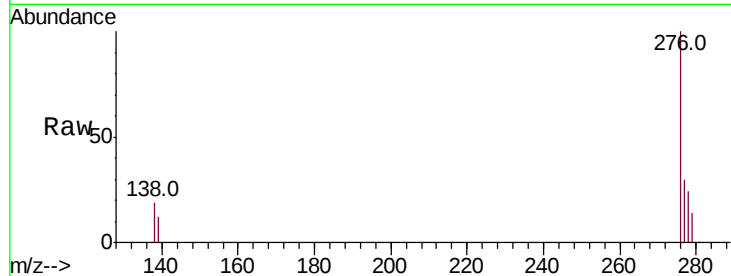




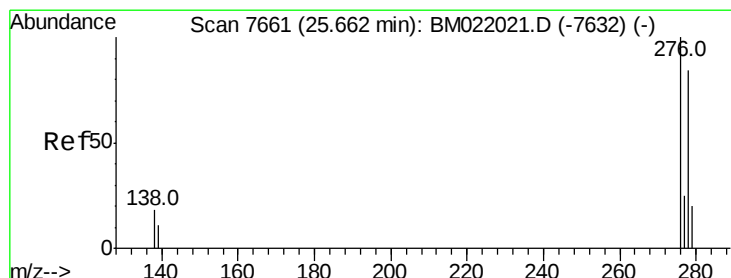
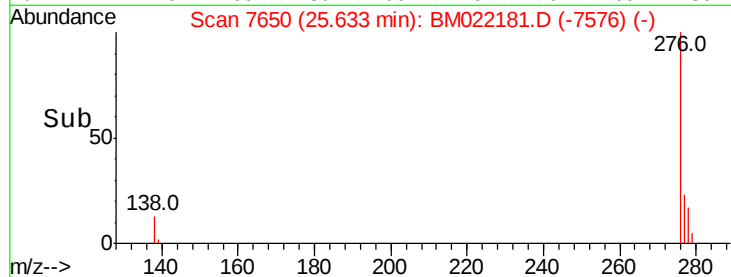
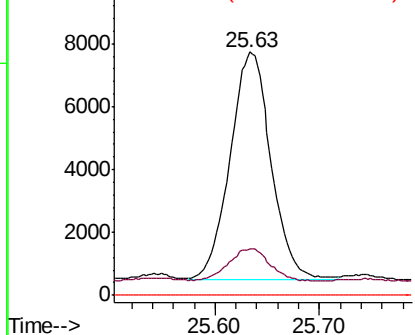
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.797 ng/ul
RT: 25.63 min Scan# 7650
Delta R.T. -0.02 min
Lab File: BM022181.D
Acq: 16 Aug 2019 21:53

Instrument :
BNA_M
ClientSampleId :

Tot Ion:276 Resp: 19719
Ion Ratio Lower Upper
276 100
138 14.5 15.1 22.7#
227 0.0 0.0 0.0

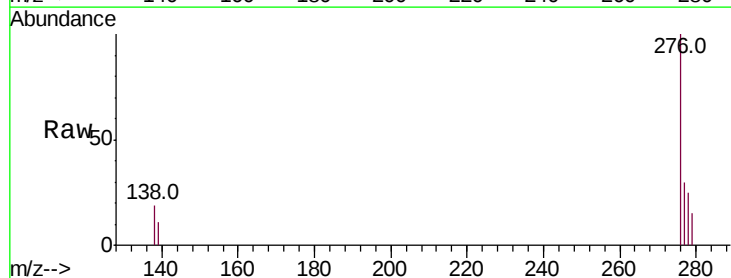


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E

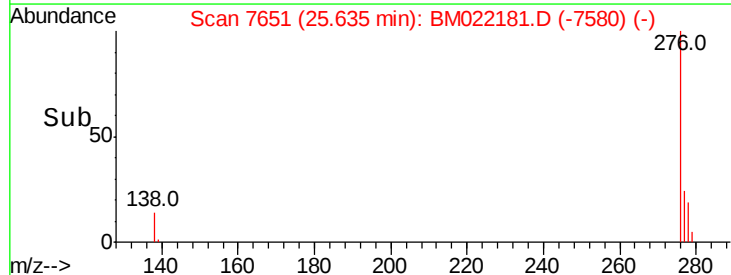
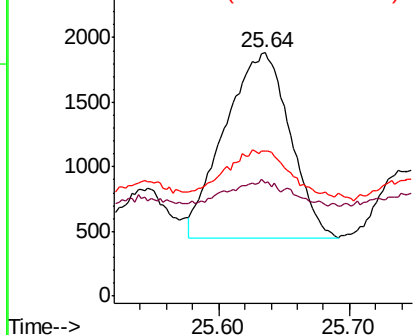


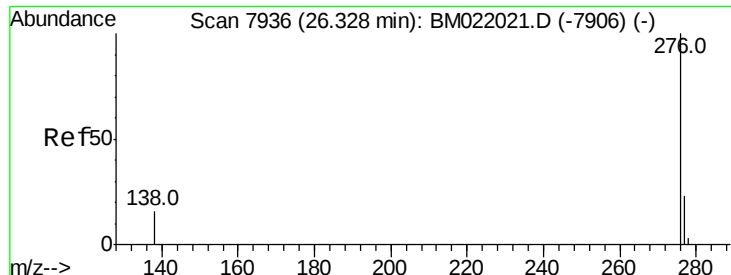
#25
Dibenzo(a,h)anthracene
Concen: 0.248 ng/ul
RT: 25.64 min Scan# 7651
Delta R.T. -0.03 min
Lab File: BM022181.D
Acq: 16 Aug 2019 21:53

Tgt Ion:278 Resp: 4953
Ion Ratio Lower Upper
278 100
139 46.2 14.2 21.2#
279 59.8 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(a,h,i)perylene

Concen: 0.852 ng/ul

RT: 26.32 min Scan# 7932

Delta R.T. -0.02 min

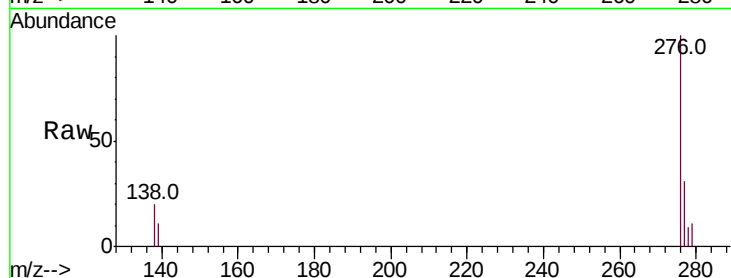
Lab File: BM022181.D

Acq: 16 Aug 2019 21:53

Instrument :

BNA_M

ClientSampleId :



Tot Ion:276 Resp: 18966

Ion Ratio Lower Upper

276 100

138 20.0 15.5 23.3

277 31.0 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

