

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
 Data File : BM022178.D
 Acq On : 16 Aug 2019 20:02
 Operator : HP/JU
 Sample : K4242-01 DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 04:14:28 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

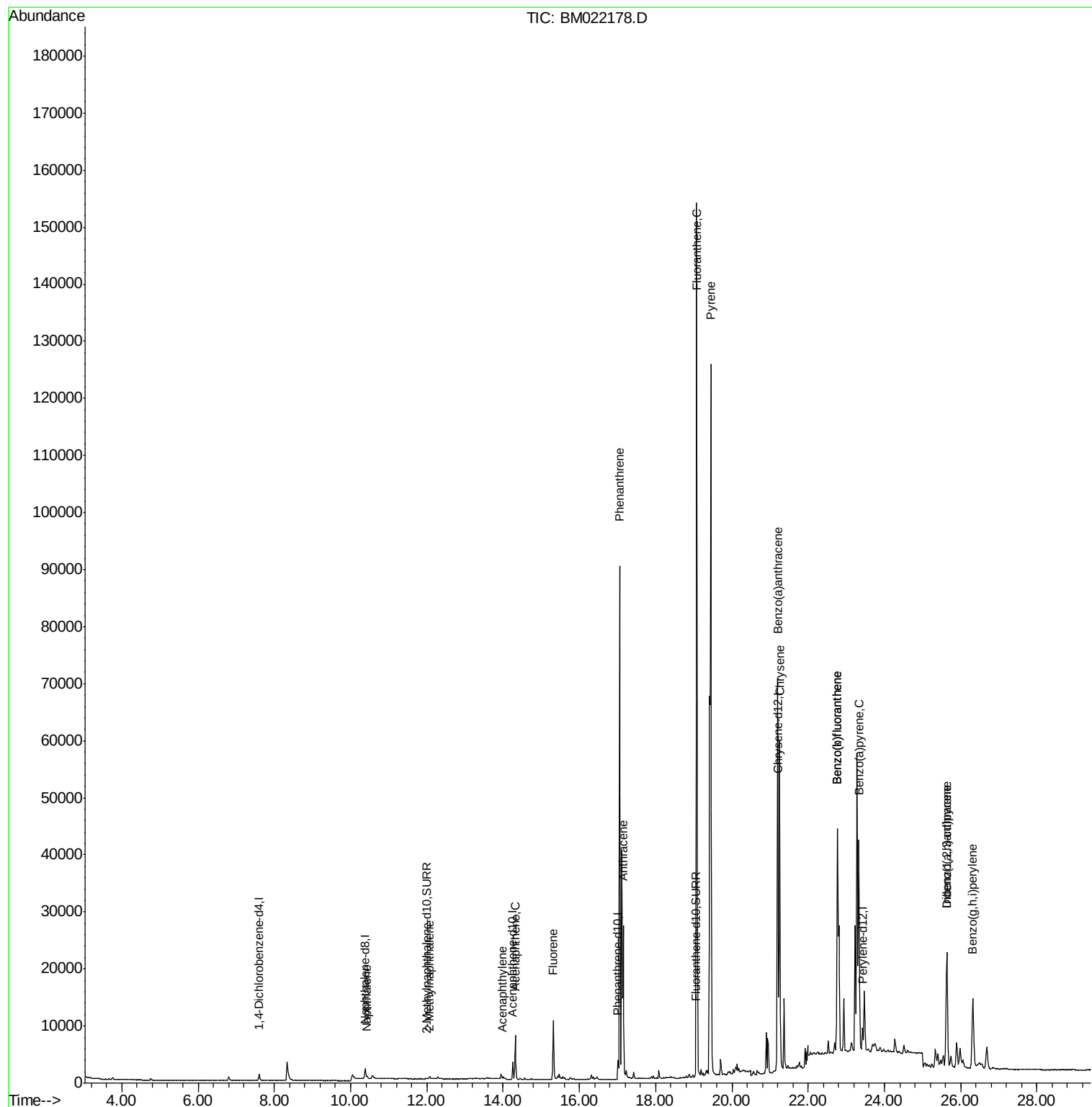
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	752	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.38	136	3208	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.25	164	1867	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	4332	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	4366	0.40	ng/ul	-0.01
20) Perylene-d12	23.43	264	4970	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	309	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	847	0.06	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.43	128	684	0.075	ng/ul#	78
5) 2-Methylnaphthalene	12.07	142	497	0.082	ng/ul	95
7) Acenaphthylene	13.98	152	300	0.034	ng/ul#	57
8) Acenaphthene	14.32	153	4925	0.691	ng/ul	95
9) Fluorene	15.31	166	7686	0.971	ng/ul	99
12) Phenanthrene	17.05	178	94824	7.523	ng/ul	96
13) Anthracene	17.15	178	27690	2.575	ng/ul	96
15) Fluoranthene	19.08	202	133755	7.922	ng/ul	94
17) Pyrene	19.45	202	109229	6.088	ng/ul	97
18) Benzo(a)anthracene	21.20	228	60992	3.906	ng/ul	99
19) Chrysene	21.25	228	52215	2.600	ng/ul	98
21) Benzo(b)fluoranthene	22.76	252	93912	5.603	ng/ul	86
22) Benzo(k)fluoranthene	22.76	252	93912	4.951	ng/ul#	86
23) Benzo(a)pyrene	23.33	252	52427	3.076	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	25.64	276	32661	1.605	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.64	278	8164	0.496	ng/ul#	80
26) Benzo(a,h,i)perylene	26.32	276	25872	1.412	ng/ul	97

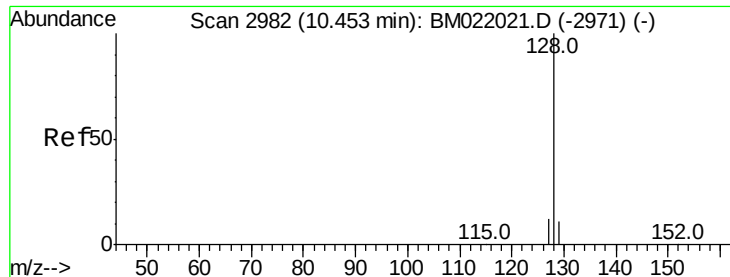
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.075 ng/ul

RT: 10.43 min Scan# 2977

Delta R.T. -0.02 min

Lab File: BM022178.D

Acq: 16 Aug 2019 20:02

Instrument :

BNA_M

ClientSampleId :

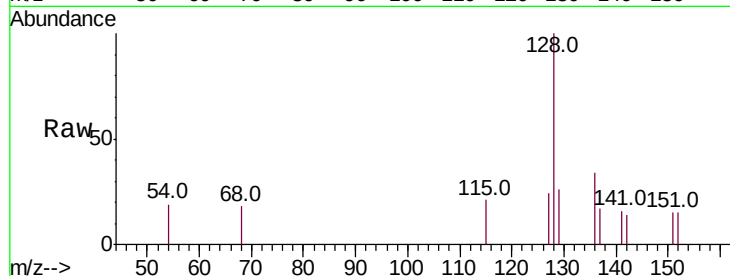
Tot Ion:128 Resp: 684

Ion Ratio Lower Upper

128 100

129 26.4 12.3 18.5#

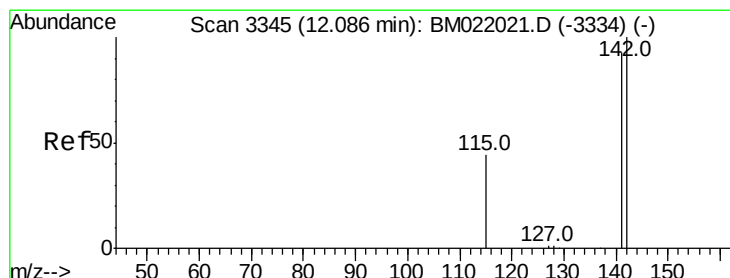
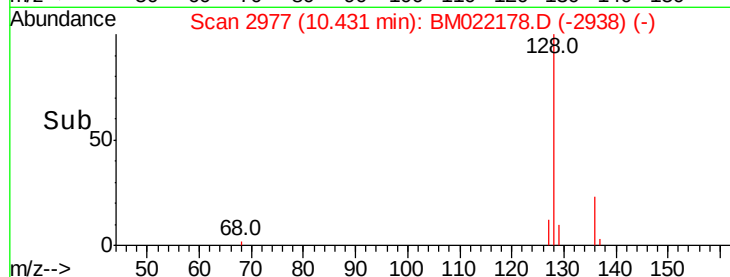
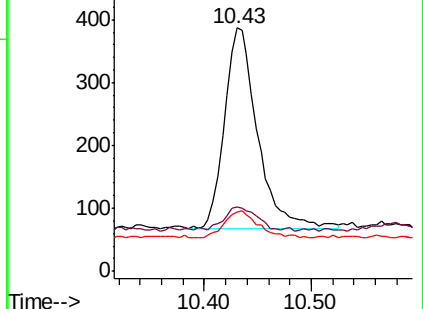
127 24.3 13.0 19.6#



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: 0.082 ng/ul

RT: 12.07 min Scan# 3342

Delta R.T. -0.02 min

Lab File: BM022178.D

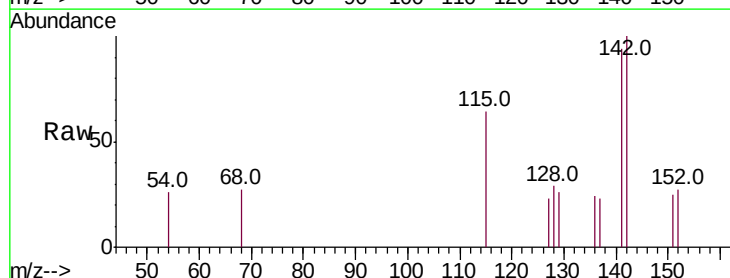
Acq: 16 Aug 2019 20:02

Tgt Ion:142 Resp: 497

Ion Ratio Lower Upper

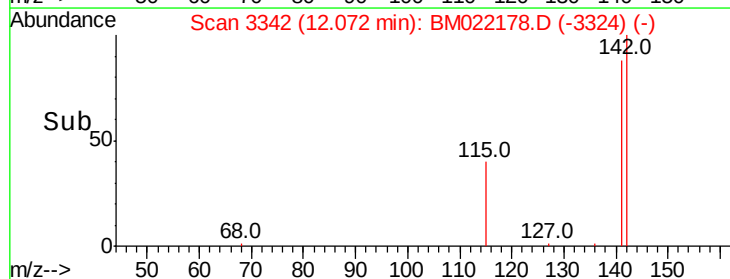
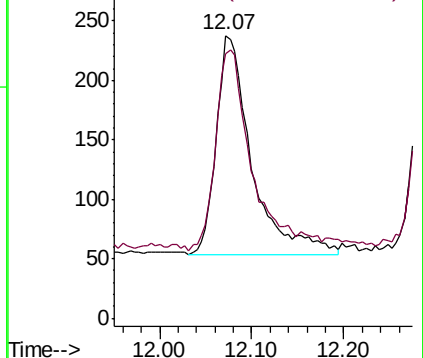
142 100

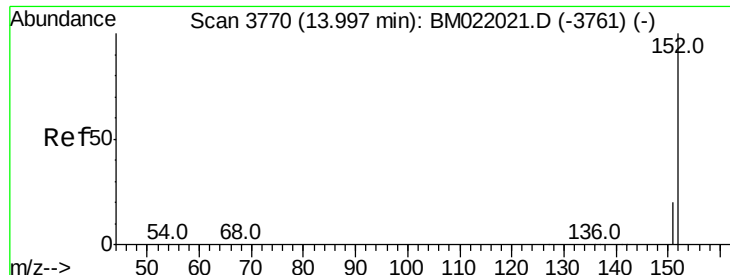
141 98.0 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.034 ng/ul

RT: 13.98 min Scan# 3766

Delta R.T. -0.02 min

Lab File: BM022178.D

Acq: 16 Aug 2019 20:02

Instrument :

BNA_M

ClientSampleId :

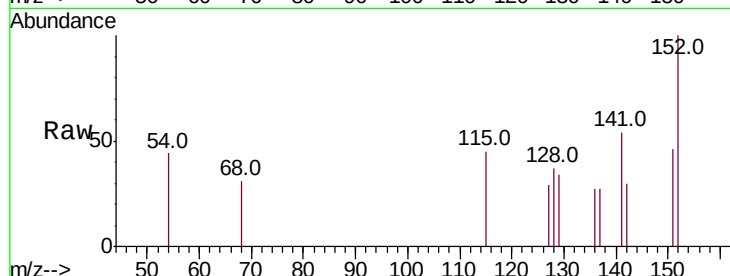
Tot Ion:152 Resp: 300

Ion Ratio Lower Upper

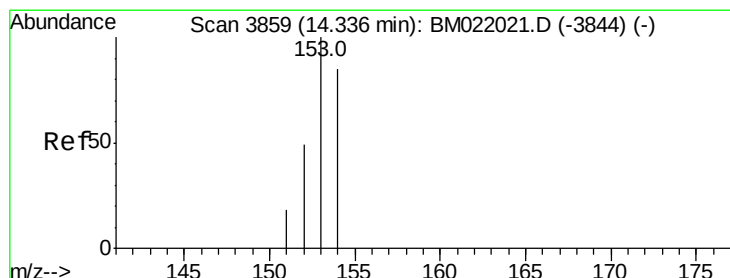
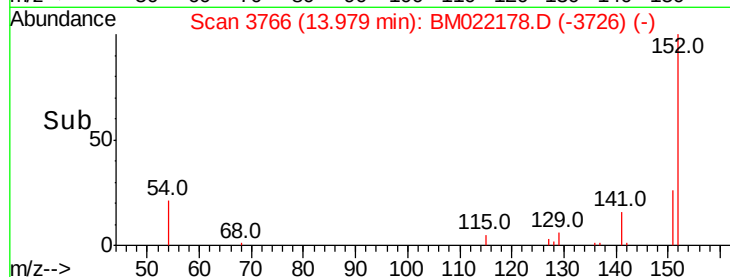
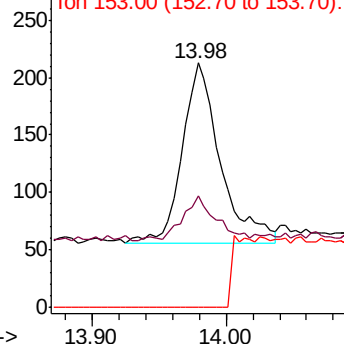
152 100

151 45.5 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: 0.691 ng/ul

RT: 14.32 min Scan# 3854

Delta R.T. -0.02 min

Lab File: BM022178.D

Acq: 16 Aug 2019 20:02

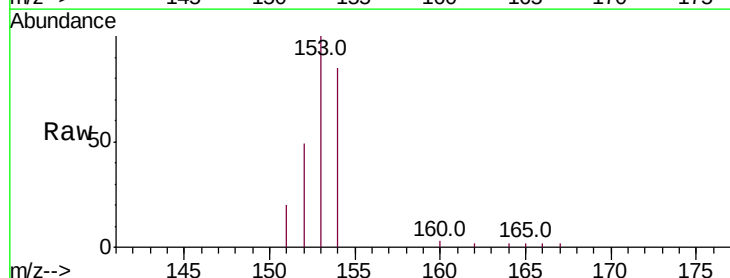
Tgt Ion:153 Resp: 4925

Ion Ratio Lower Upper

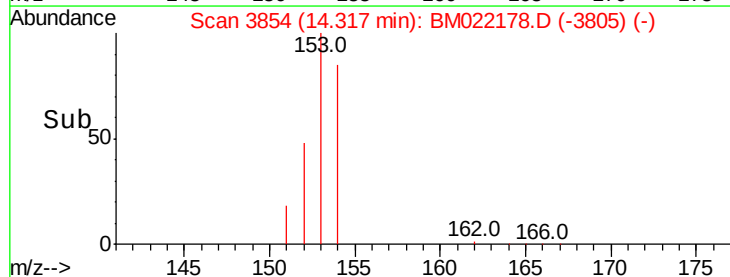
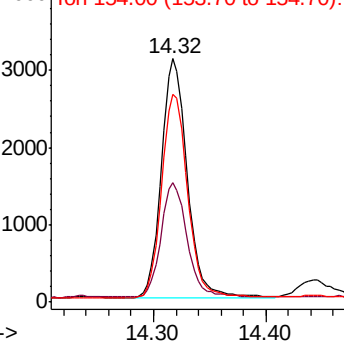
153 100

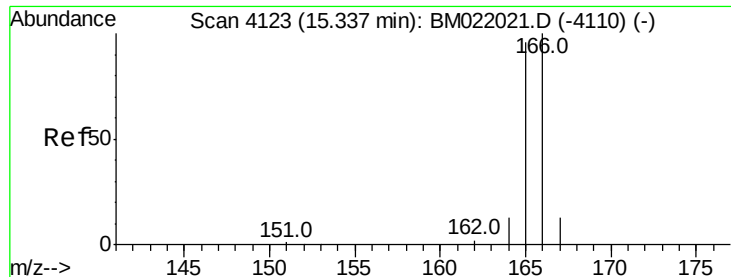
152 49.1 41.3 61.9

154 85.1 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: 0.971 ng/ul

RT: 15.31 min Scan# 4117

Delta R.T. -0.02 min

Lab File: BM022178.D

Acq: 16 Aug 2019 20:02

Instrument :

BNA_M

ClientSampleId :

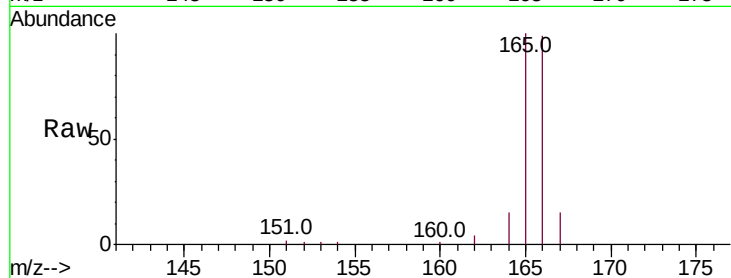
Tot Ion:166 Resp: 7686

Ion Ratio Lower Upper

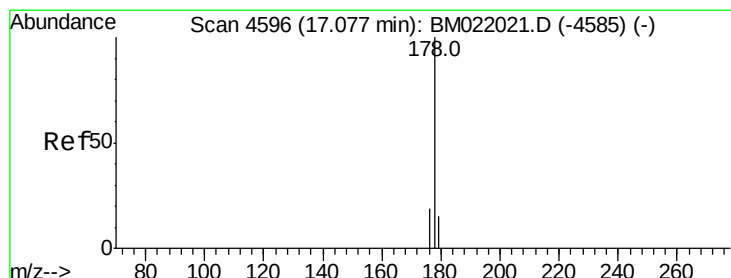
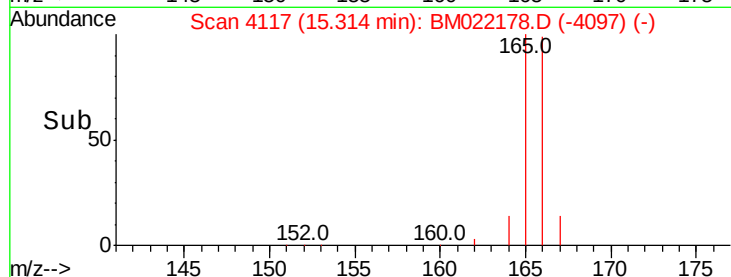
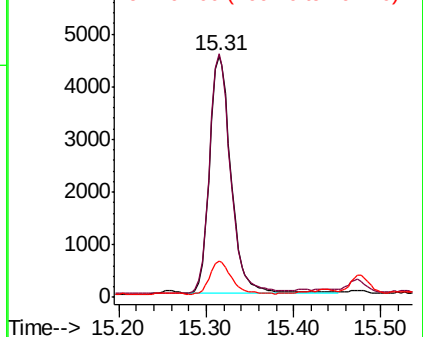
166 100

165 100.9 81.4 122.0

167 15.1 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: 7.523 ng/ul

RT: 17.05 min Scan# 4589

Delta R.T. -0.02 min

Lab File: BM022178.D

Acq: 16 Aug 2019 20:02

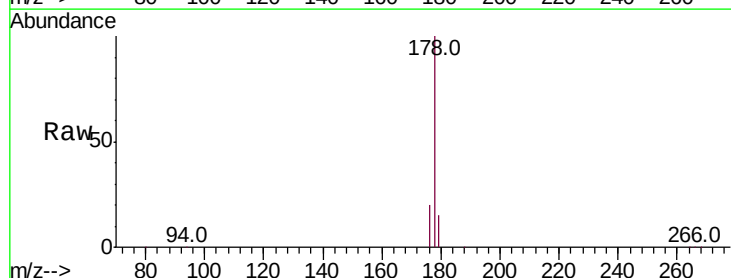
Tgt Ion:178 Resp: 94824

Ion Ratio Lower Upper

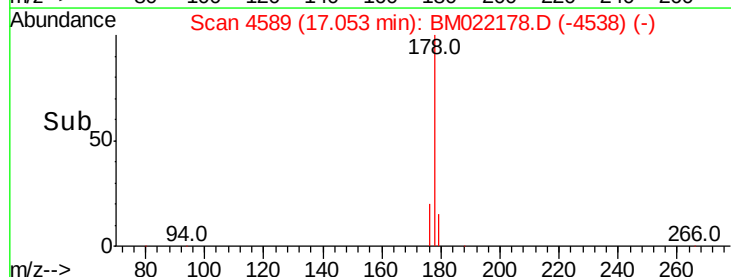
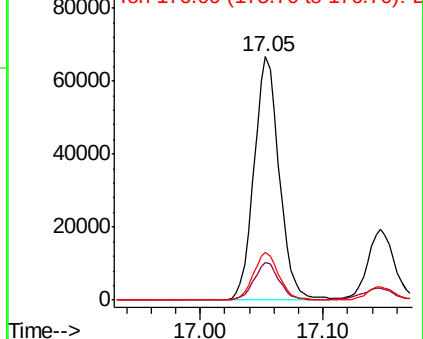
178 100

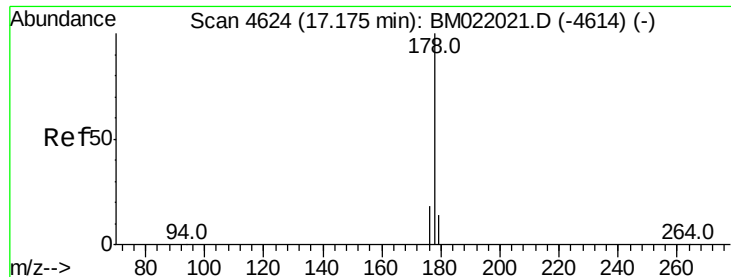
179 15.5 14.2 21.2

176 19.6 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



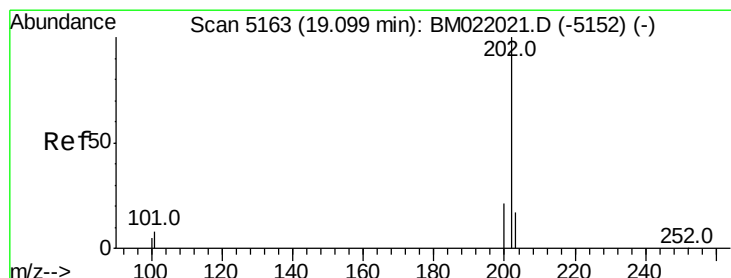
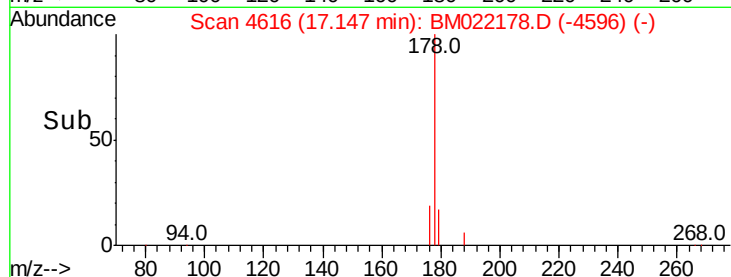
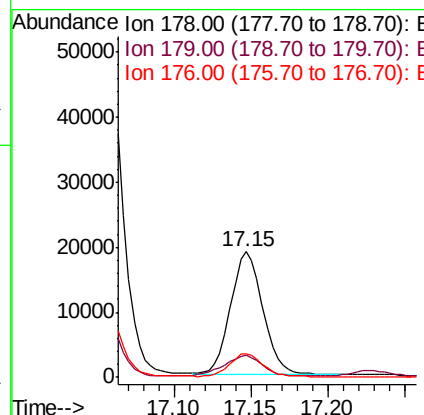
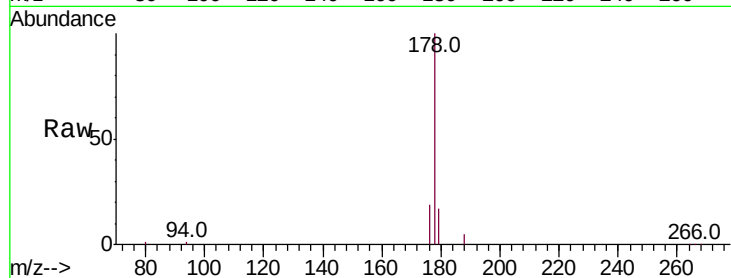


#13
 Anthracene
 Concen: 2.575 ng/ul
 RT: 17.15 min Scan# 4616
 Delta R.T. -0.03 min
 Lab File: BM022178.D
 Acq: 16 Aug 2019 20:02

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:178 Resp: 27690

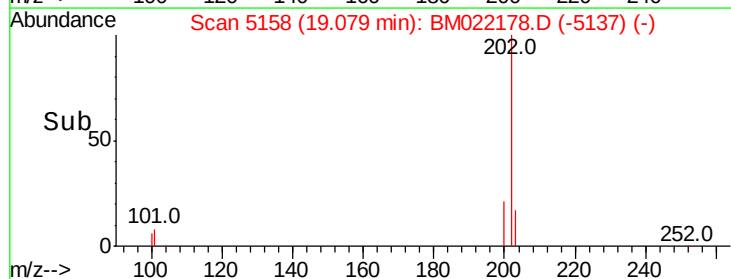
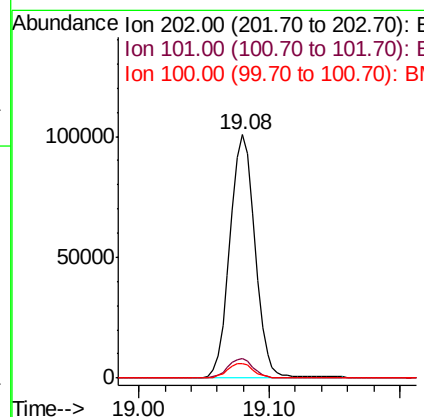
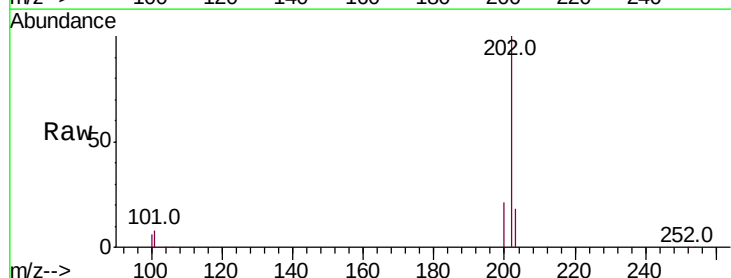
Ion	Ratio	Lower	Upper
178	100		
179	17.3	15.5	23.3
176	19.2	16.6	25.0

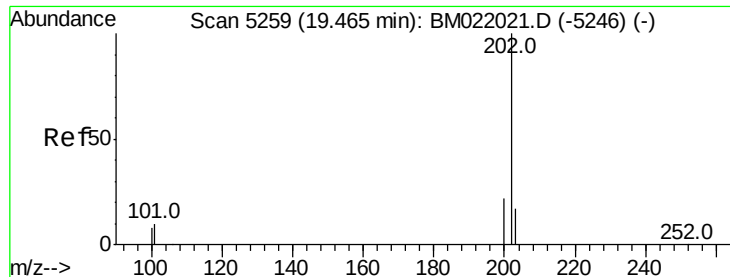


#15
 Fluoranthene
 Concen: 7.922 ng/ul
 RT: 19.08 min Scan# 5158
 Delta R.T. -0.02 min
 Lab File: BM022178.D
 Acq: 16 Aug 2019 20:02

Tgt Ion:202 Resp: 133755

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	30.2
100	6.2	0.0	28.1

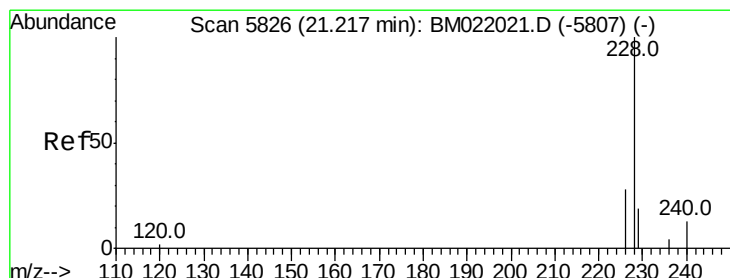
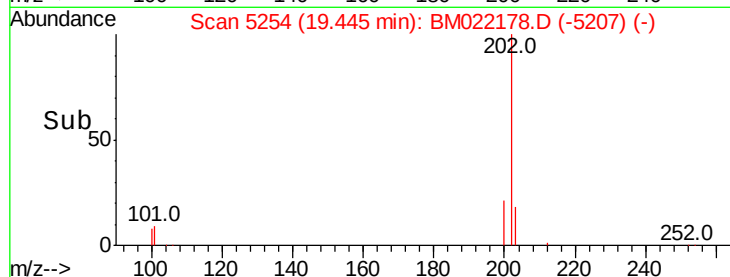
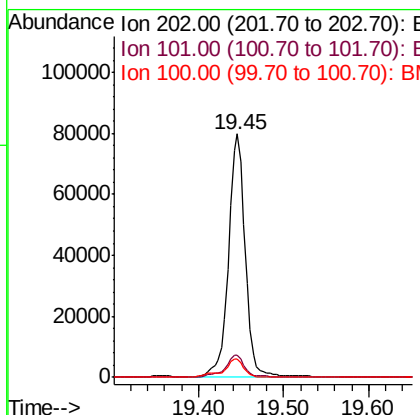
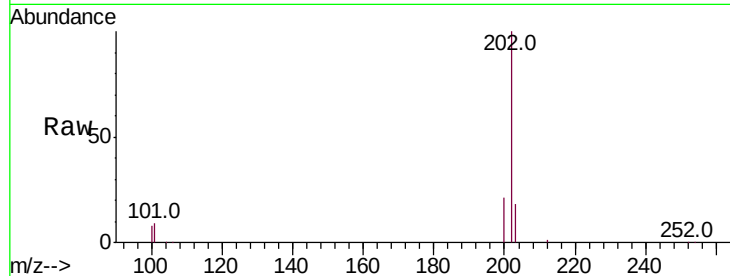




#17
Pvrene
Concen: 6.088 ng/ul
RT: 19.45 min Scan# 5254
Delta R.T. -0.02 min
Lab File: BM022178.D
Acq: 16 Aug 2019 20:02

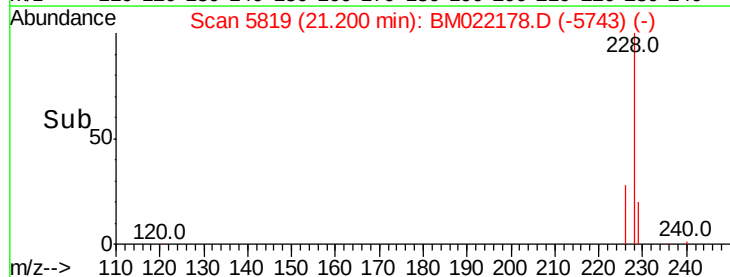
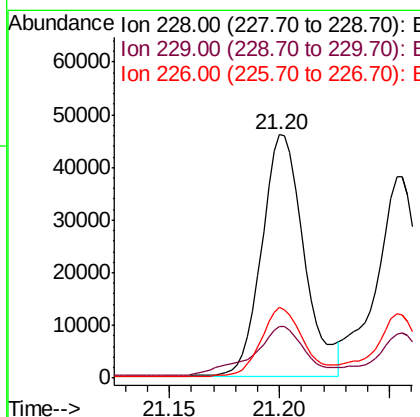
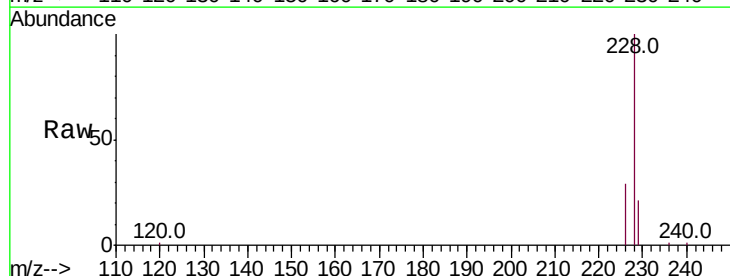
Instrument :
BNA_M
ClientSampleId :

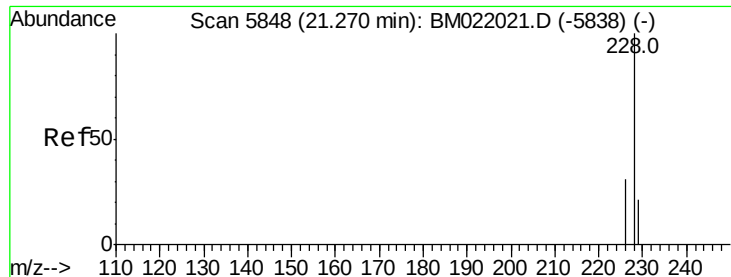
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.3	8.3	12.5
100	7.7	7.2	10.8



#18
Benzo(a)anthracene
Concen: 3.906 ng/ul
RT: 21.20 min Scan# 5819
Delta R.T. -0.02 min
Lab File: BM022178.D
Acq: 16 Aug 2019 20:02

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.1	17.2	25.8
226	29.0	22.6	34.0





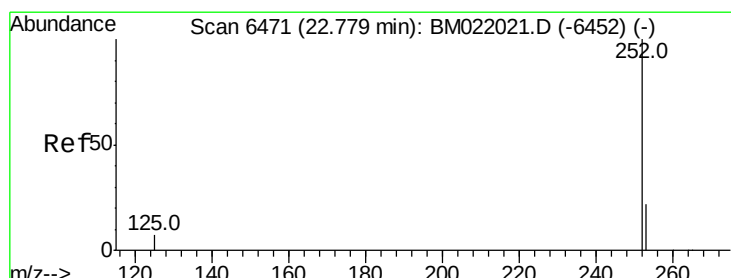
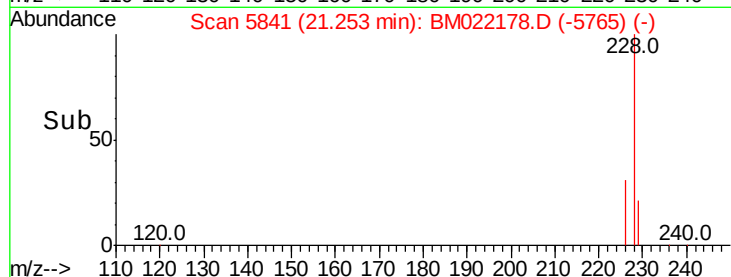
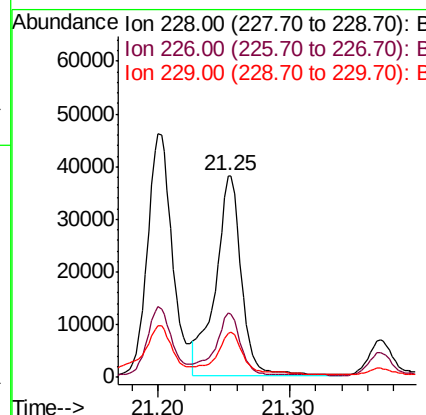
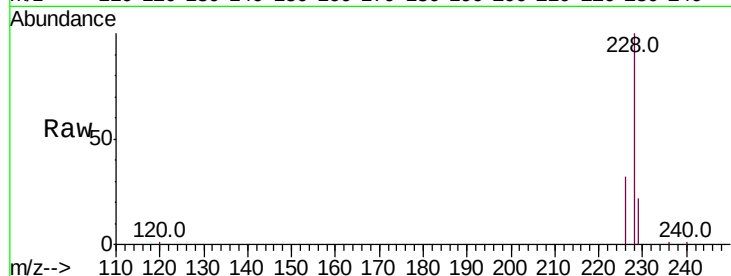
#19

Chrysene

Concen: 2.600 ng/ul
 RT: 21.25 min Scan# 5841
 Delta R.T. -0.02 min
 Lab File: BM022178.D
 Acq: 16 Aug 2019 20:02

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:228 Resp: 52215
 Ion Ratio Lower Upper
 228 100
 226 32.0 24.9 37.3
 229 22.0 16.6 25.0

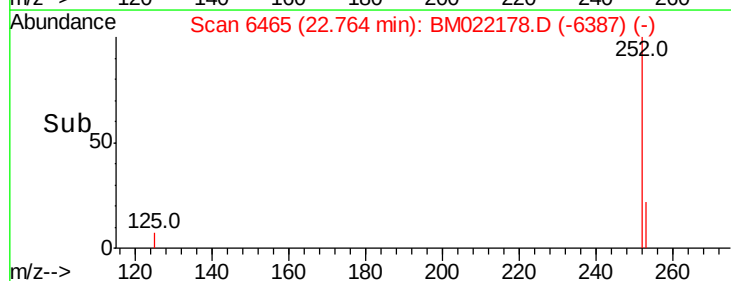
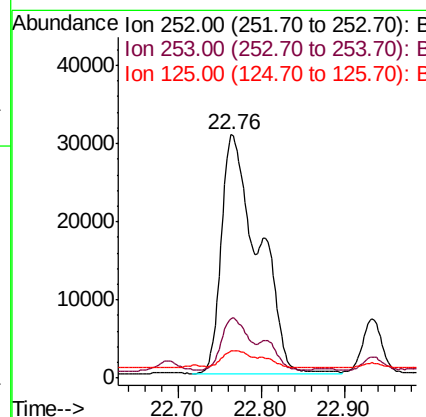
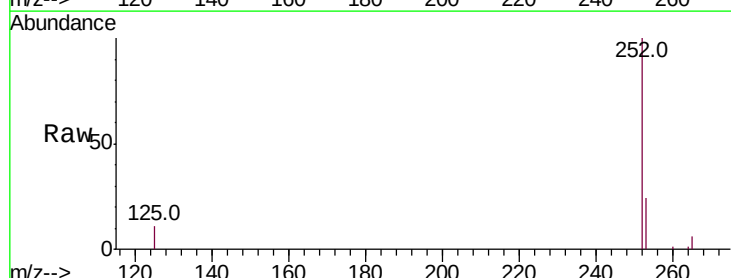


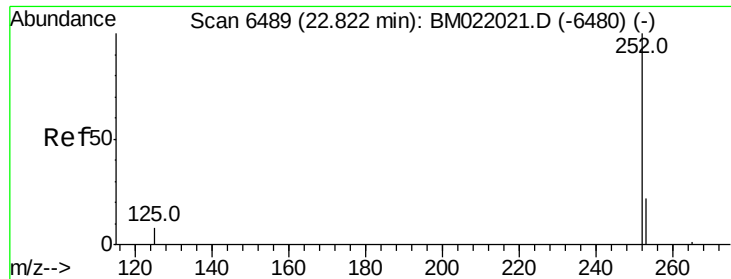
#21

Benzo(b)fluoranthene

Concen: 5.603 ng/ul
 RT: 22.76 min Scan# 6465
 Delta R.T. -0.01 min
 Lab File: BM022178.D
 Acq: 16 Aug 2019 20:02

Tgt Ion:252 Resp: 93912
 Ion Ratio Lower Upper
 252 100
 253 24.5 0.0 67.4
 125 11.1 0.0 31.0





#22

Benzo(k)fluoranthene

Concen: 4.951 ng/ul

RT: 22.76 min Scan# 6465

Delta R.T. -0.06 min

Lab File: BM022178.D

Acq: 16 Aug 2019 20:02

Instrument :

BNA_M

ClientSampleId :

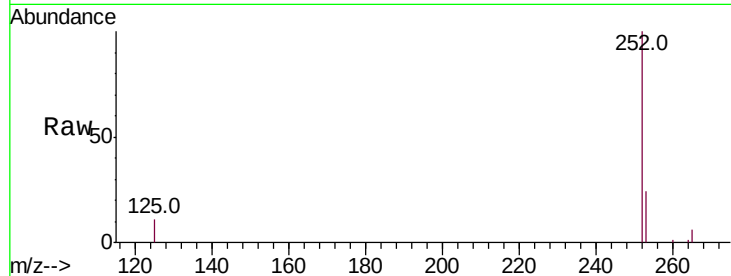
Tot Ion:252 Resp: 93912

Ion Ratio Lower Upper

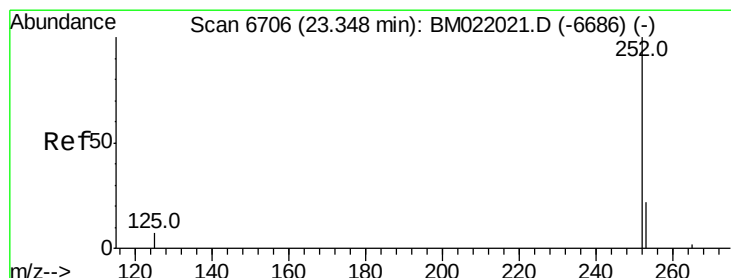
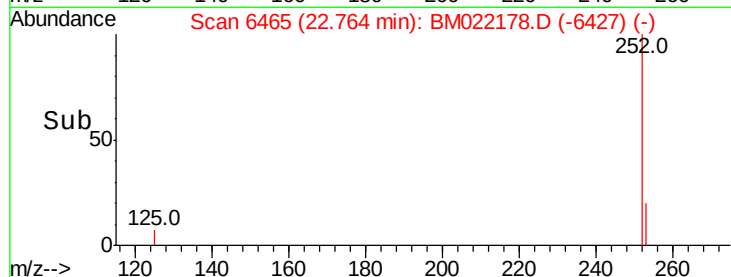
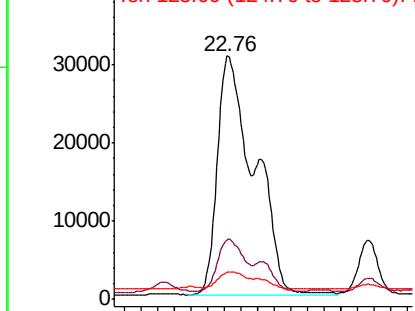
252 100

253 24.5 27.0 40.4#

125 11.1 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: 3.076 ng/ul

RT: 23.33 min Scan# 6699

Delta R.T. -0.02 min

Lab File: BM022178.D

Acq: 16 Aug 2019 20:02

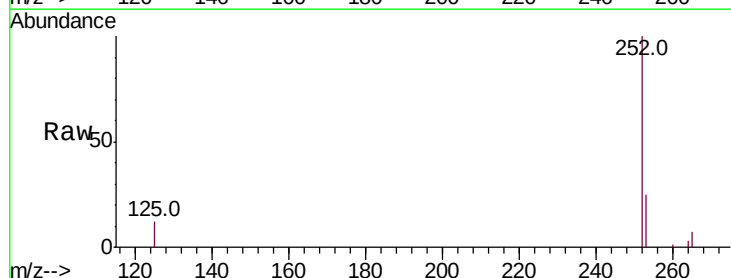
Tgt Ion:252 Resp: 52427

Ion Ratio Lower Upper

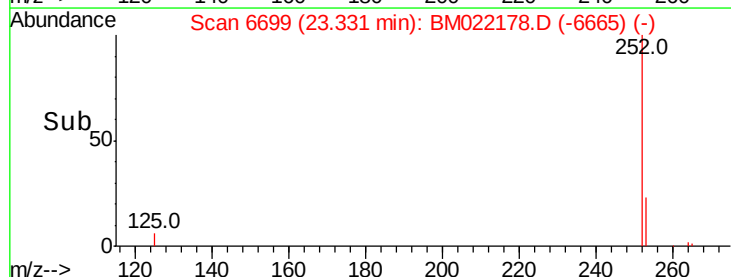
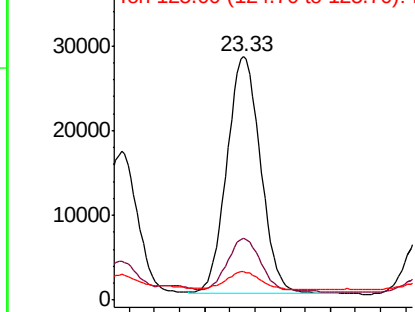
252 100

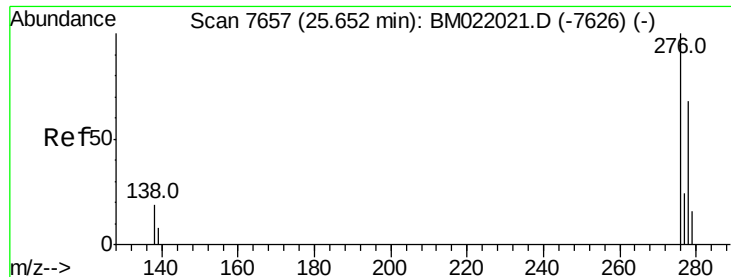
253 25.4 31.7 47.5#

125 11.6 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



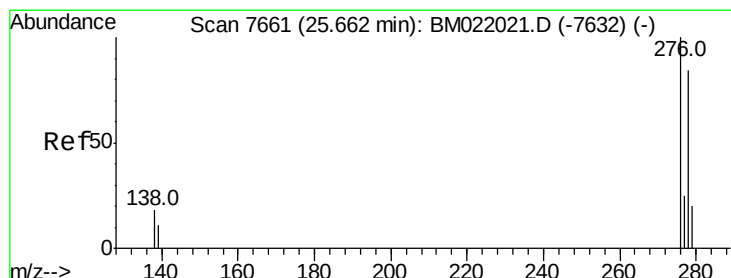
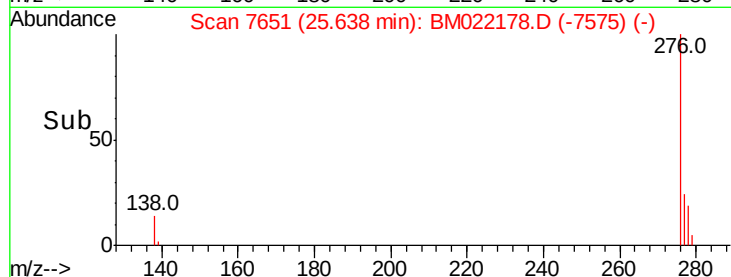
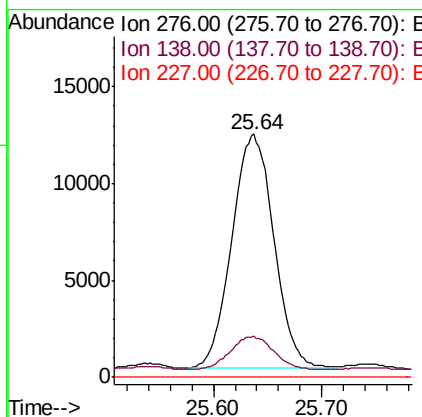
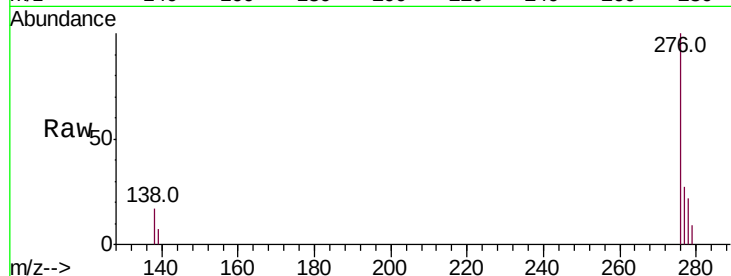


#24

Indeno(1,2,3-cd)pyrene
Concen: 1.605 ng/ul
RT: 25.64 min Scan# 7651
Delta R.T. -0.02 min
Lab File: BM022178.D
Acq: 16 Aug 2019 20:02

Instrument :
BNA_M
ClientSampleId :

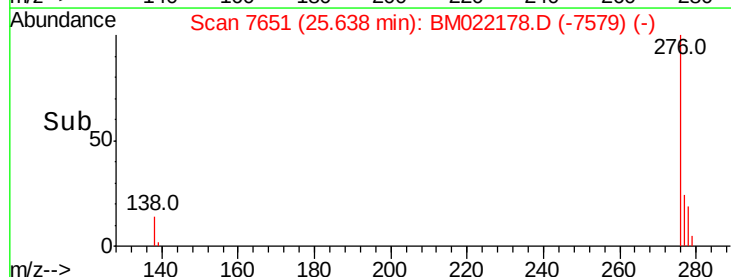
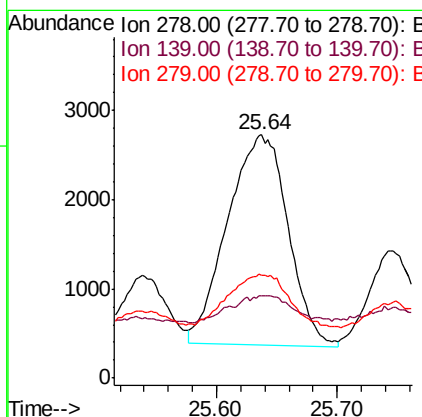
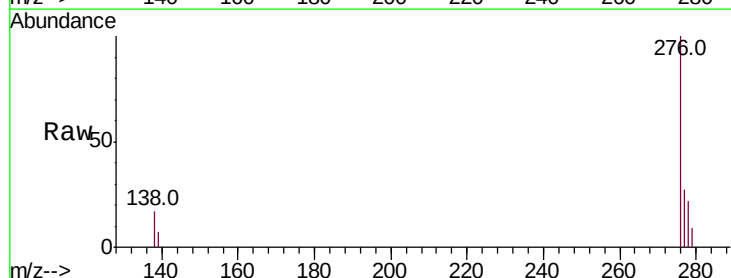
Tot Ion:276 Resp: 32661
Ion Ratio Lower Upper
276 100
138 14.6 15.1 22.7#
227 0.0 0.0 0.0

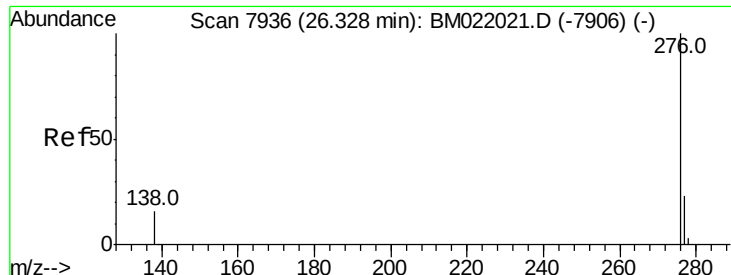


#25

Dibenzo(a,h)anthracene
Concen: 0.496 ng/ul
RT: 25.64 min Scan# 7651
Delta R.T. -0.03 min
Lab File: BM022178.D
Acq: 16 Aug 2019 20:02

Tgt Ion:278 Resp: 8164
Ion Ratio Lower Upper
278 100
139 33.9 14.2 21.2#
279 42.3 28.3 42.5





#26

Benzo(a,h,i)perylene

Concen: 1.412 ng/ul

RT: 26.32 min Scan# 7932

Delta R.T. -0.02 min

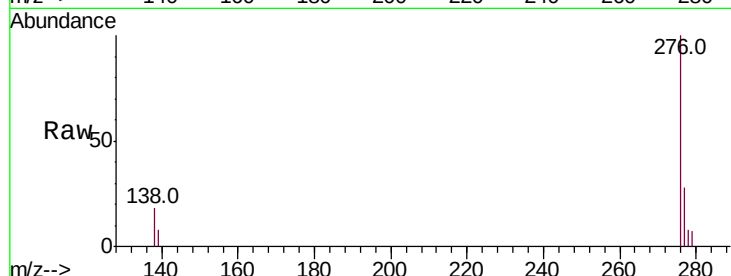
Lab File: BM022178.D

Acq: 16 Aug 2019 20:02

Instrument :

BNA_M

ClientSampleId :



Tot Ion:276 Resp: 25872

Ion Ratio Lower Upper

276 100

138 18.4 15.5 23.3

277 28.4 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

