

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
 Data File : BM022182.D
 Acq On : 16 Aug 2019 22:30
 Operator : HP/JU
 Sample : K4183-17DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 04:14:59 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

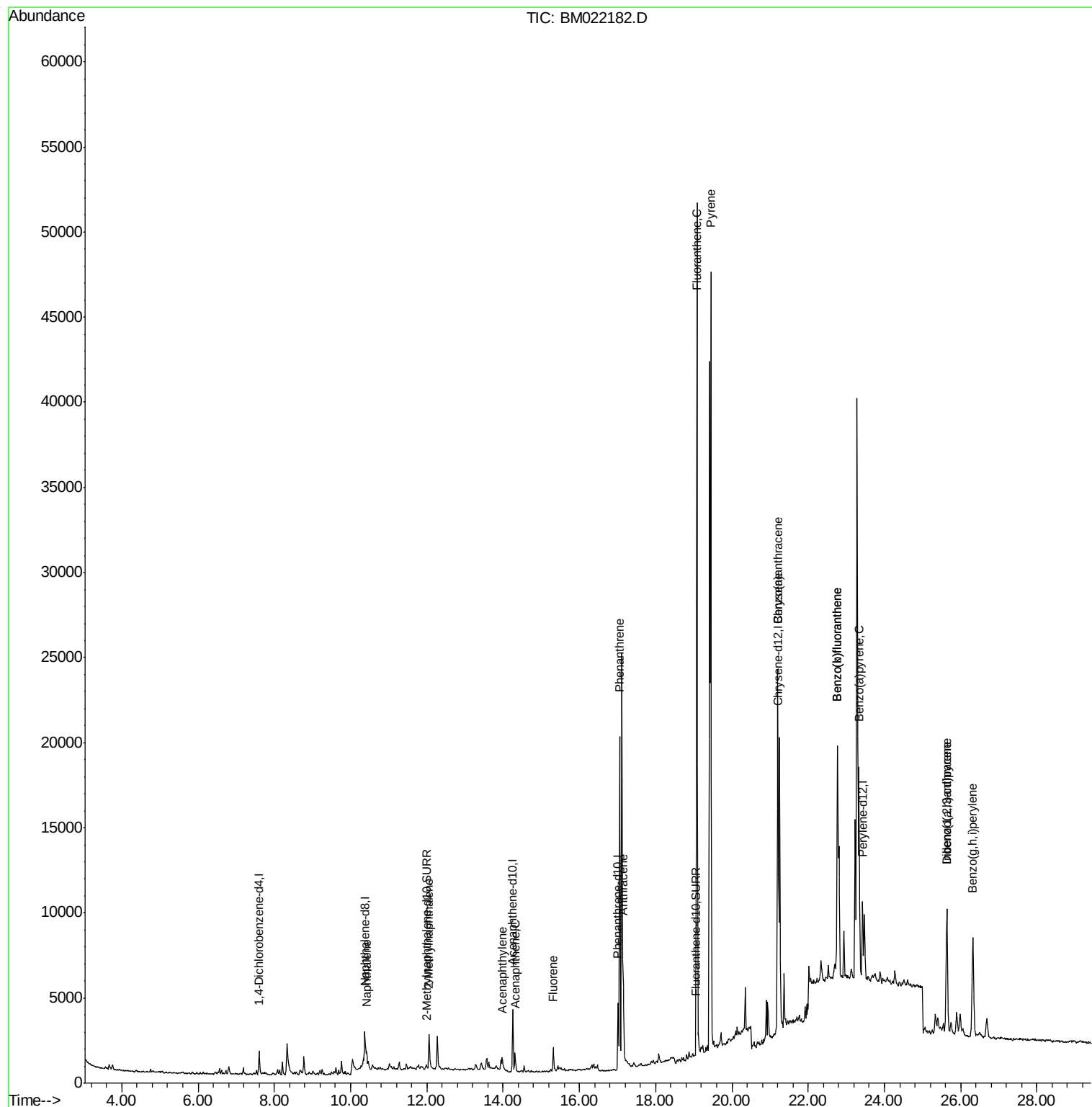
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	797	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.37	136	3510	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.25	164	2145	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.01	188	4956	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	5088	0.40	ng/ul	-0.01
20) Perylene-d12	23.43	264	5714	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	188	0.03	ng/ul	-0.02
14) Fluoranthene-d10	19.05	212	564	0.03	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	1410	0.142	ng/ul#	80
5) 2-Methylnaphthalene	12.06	142	2168	0.328	ng/ul	95
7) Acenaphthylene	13.98	152	747	0.075	ng/ul#	75
8) Acenaphthene	14.31	153	723	0.088	ng/ul	94
9) Fluorene	15.32	166	1077	0.118	ng/ul#	97
12) Phenanthrene	17.05	178	21364	1.482	ng/ul	97
13) Anthracene	17.15	178	6311	0.513	ng/ul	99
15) Fluoranthene	19.08	202	45098	2.335	ng/ul	94
17) Pyrene	19.45	202	39760	1.902	ng/ul	97
18) Benzo(a)anthracene	21.20	228	17517	0.963	ng/ul	94
19) Chrysene	21.20	228	17517	0.748	ng/ul	96
21) Benzo(b)fluoranthene	22.77	252	32001	1.661	ng/ul	93
22) Benzo(k)fluoranthene	22.77	252	32001	1.468	ng/ul#	93
23) Benzo(a)pyrene	23.33	252	16437	0.839	ng/ul	90
24) Indeno(1,2,3-cd)pyrene	25.64	276	11887	0.508	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.64	278	2968	0.157	ng/ul#	33
26) Benzo(a,h,i)perylene	26.32	276	12332	0.585	ng/ul#	91

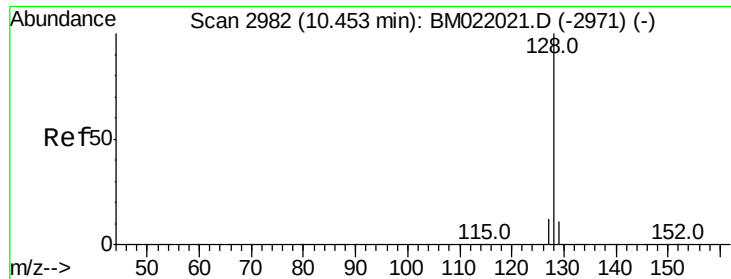
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.142 ng/ul

RT: 10.42 min Scan# 2976

Delta R.T. -0.03 min

Lab File: BM022182.D

Acq: 16 Aug 2019 22:30

Instrument :

BNA_M

ClientSampleId :

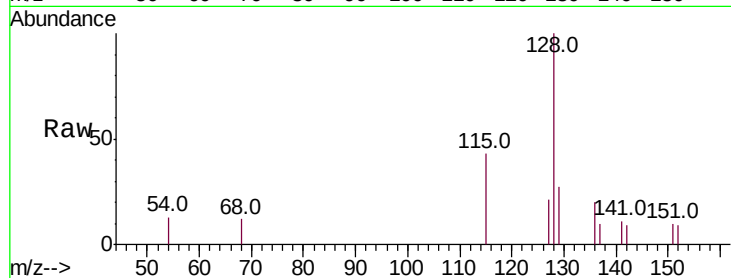
Tot Ion:128 Resp: 1410

Ion Ratio Lower Upper

128 100

129 27.0 12.3 18.5#

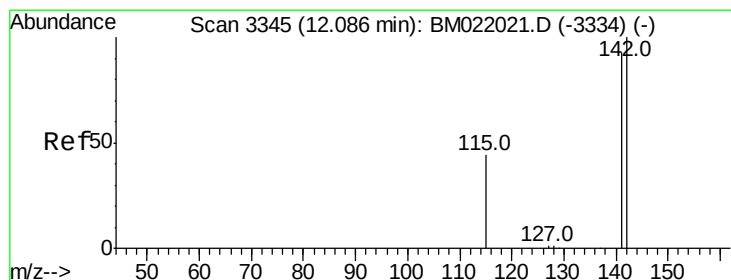
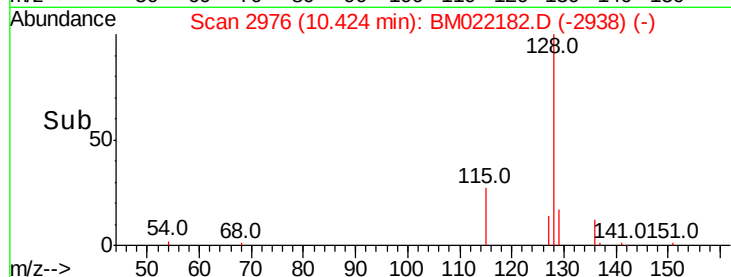
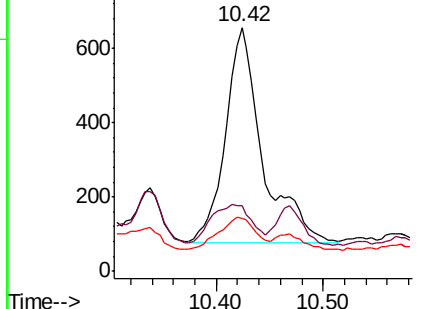
127 21.5 13.0 19.6#



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: 0.328 ng/ul

RT: 12.06 min Scan# 3339

Delta R.T. -0.03 min

Lab File: BM022182.D

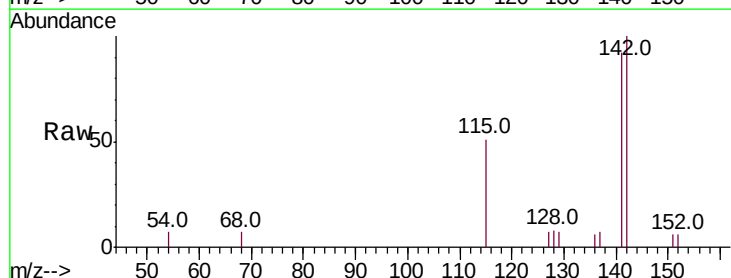
Acq: 16 Aug 2019 22:30

Tgt Ion:142 Resp: 2168

Ion Ratio Lower Upper

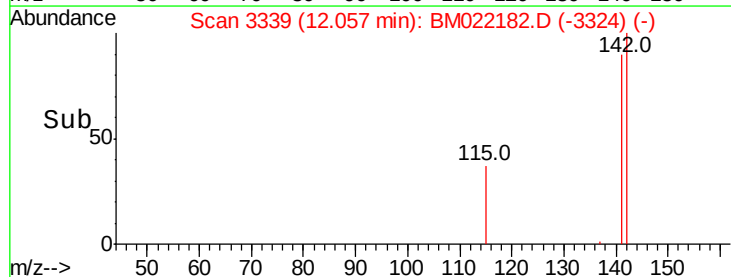
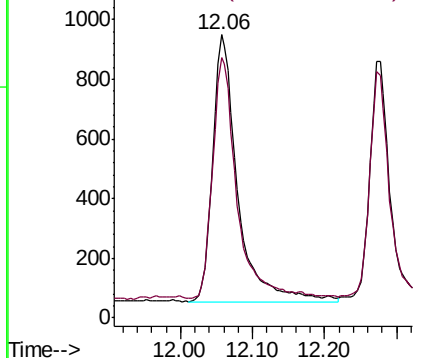
142 100

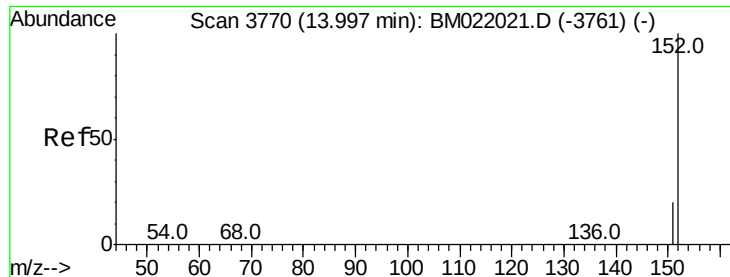
141 88.4 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.075 ng/ul

RT: 13.98 min Scan# 3766

Delta R.T. -0.02 min

Lab File: BM022182.D

Acq: 16 Aug 2019 22:30

Instrument :

BNA_M

ClientSampleId :

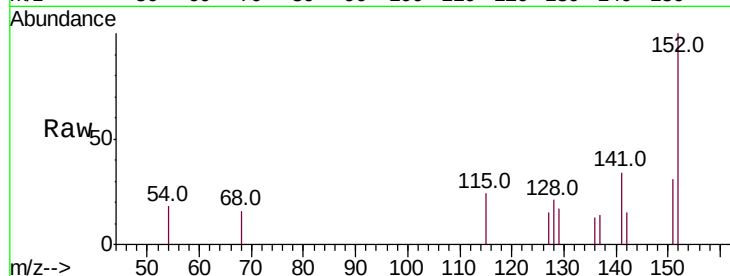
Tot Ion:152 Resp: 747

Ion Ratio Lower Upper

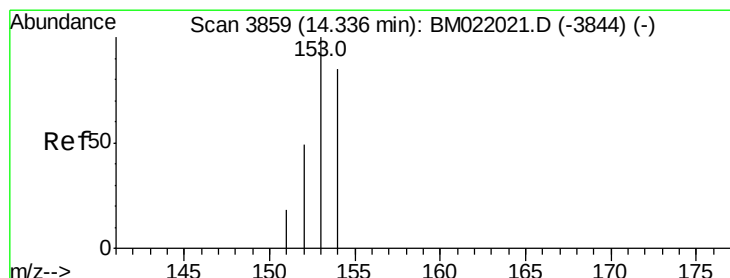
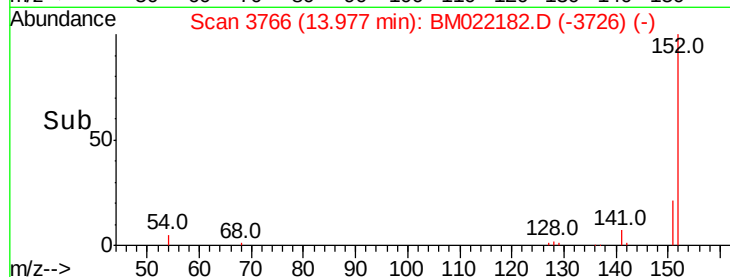
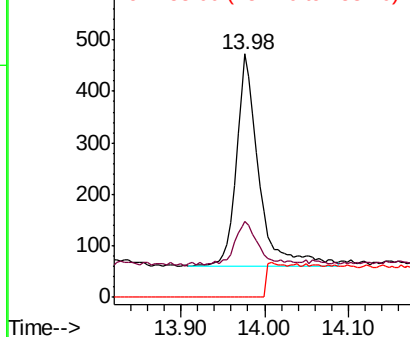
152 100

151 31.1 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: 0.088 ng/ul

RT: 14.31 min Scan# 3854

Delta R.T. -0.02 min

Lab File: BM022182.D

Acq: 16 Aug 2019 22:30

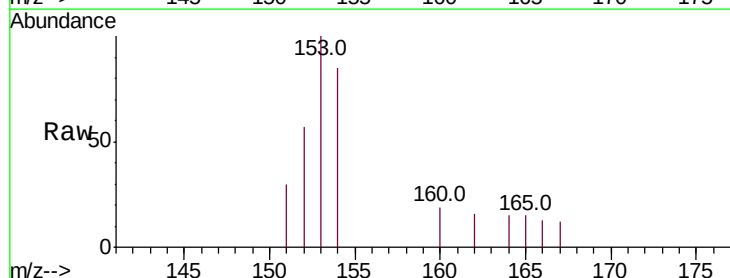
Tgt Ion:153 Resp: 723

Ion Ratio Lower Upper

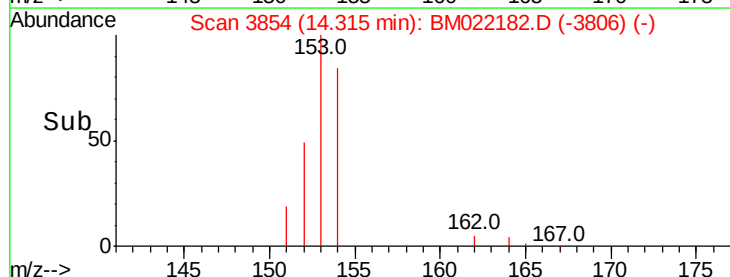
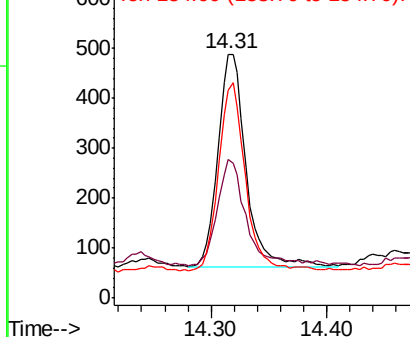
153 100

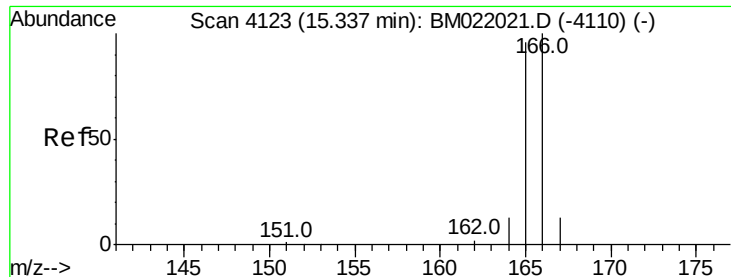
152 57.0 41.3 61.9

154 85.5 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: 0.118 ng/ul

RT: 15.32 min Scan# 4118

Delta R.T. -0.02 min

Lab File: BM022182.D

Acq: 16 Aug 2019 22:30

Instrument :

BNA_M

ClientSampleId :

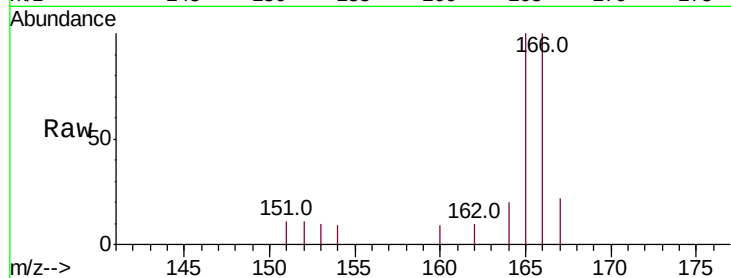
Tot Ion:166 Resp: 1077

Ion Ratio Lower Upper

166 100

165 100.0 81.4 122.0

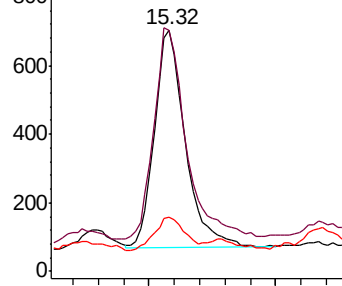
167 22.3 13.7 20.5#



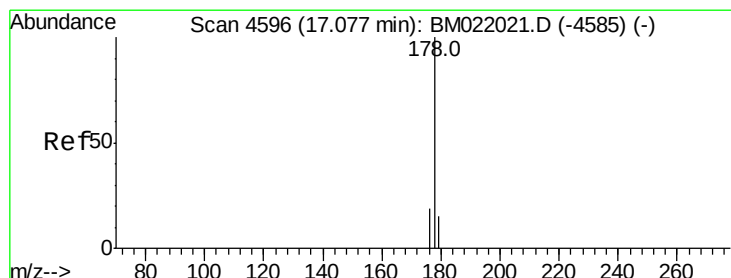
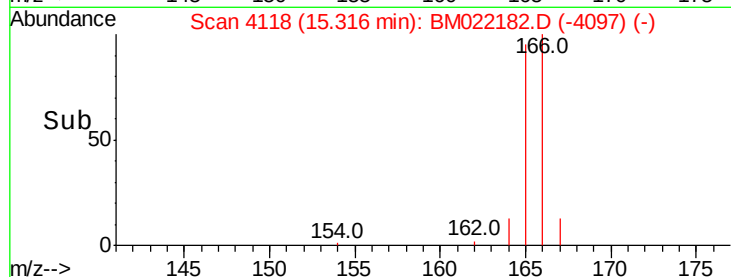
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#12

Phenanthrene

Concen: 1.482 ng/ul

RT: 17.05 min Scan# 4590

Delta R.T. -0.02 min

Lab File: BM022182.D

Acq: 16 Aug 2019 22:30

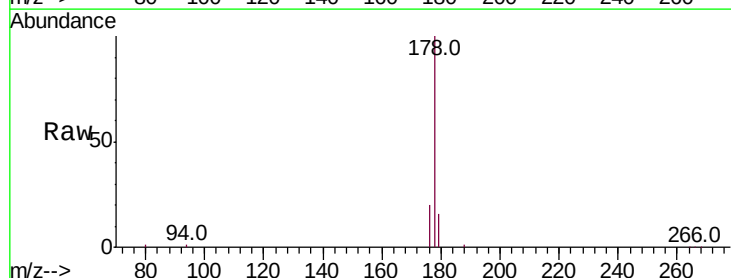
Tgt Ion:178 Resp: 21364

Ion Ratio Lower Upper

178 100

179 16.3 14.2 21.2

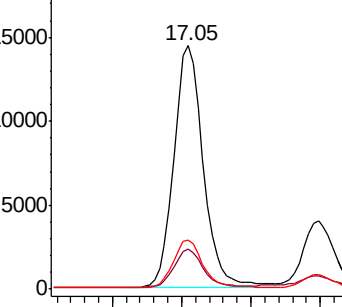
176 19.9 16.8 25.2



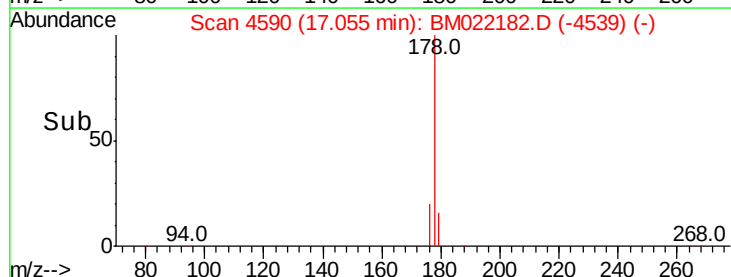
Abundance Ion 178.00 (177.70 to 178.70): E

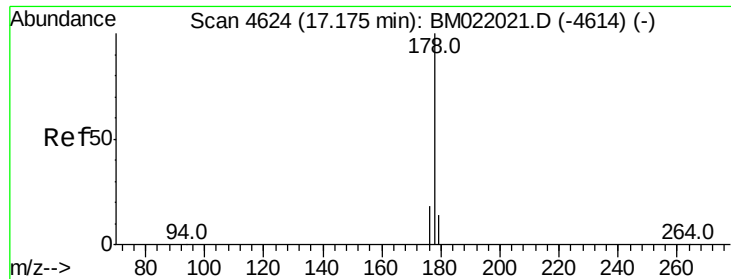
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#13

Anthracene

Concen: 0.513 ng/ul

RT: 17.15 min Scan# 4617

Delta R.T. -0.03 min

Lab File: BM022182.D

Acq: 16 Aug 2019 22:30

Instrument :

BNA_M

ClientSampleId :

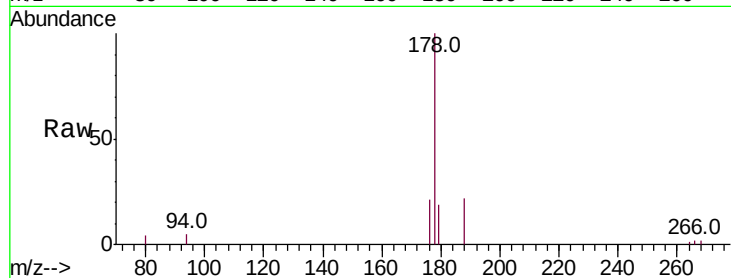
Tot Ion:178 Resp: 6311

Ion Ratio Lower Upper

178 100

179 18.7 15.5 23.3

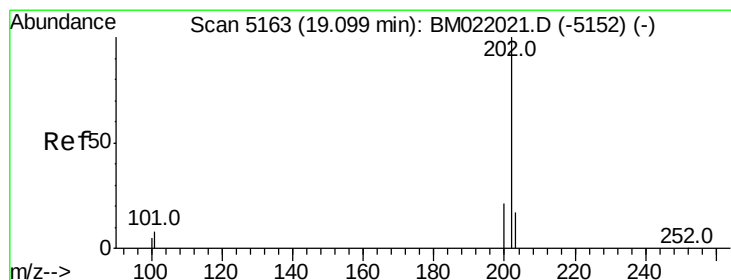
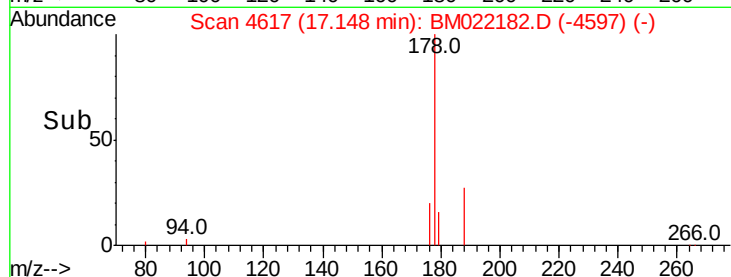
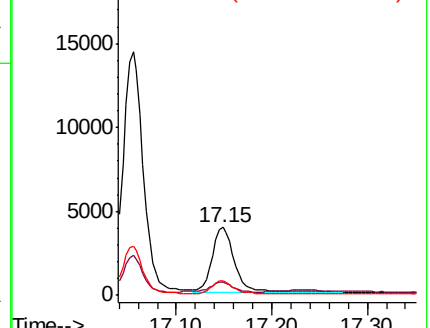
176 21.0 16.6 25.0



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: 2.335 ng/ul

RT: 19.08 min Scan# 5159

Delta R.T. -0.02 min

Lab File: BM022182.D

Acq: 16 Aug 2019 22:30

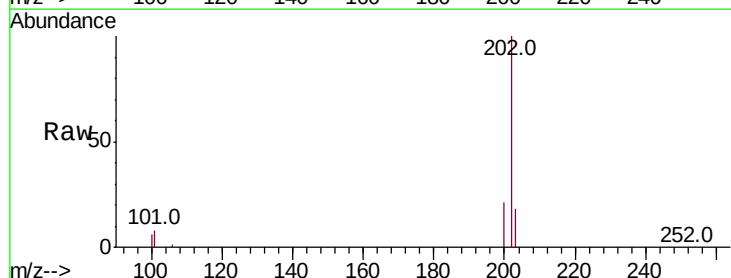
Tgt Ion:202 Resp: 45098

Ion Ratio Lower Upper

202 100

101 8.0 0.0 30.2

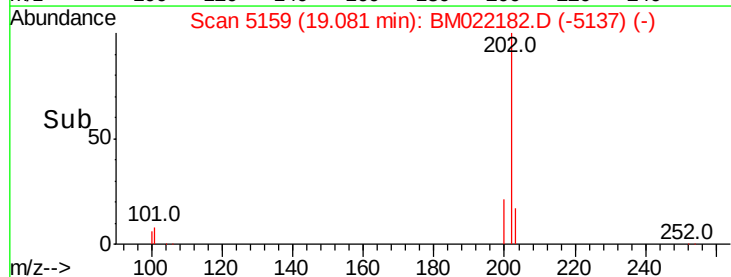
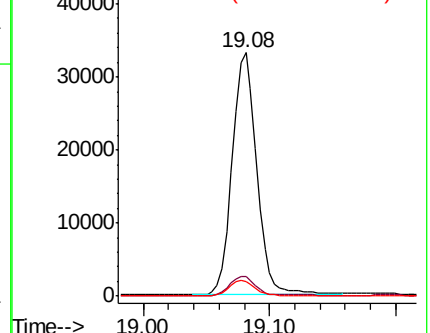
100 6.2 0.0 28.1

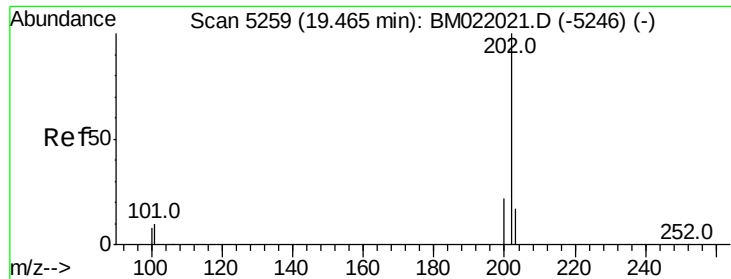


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

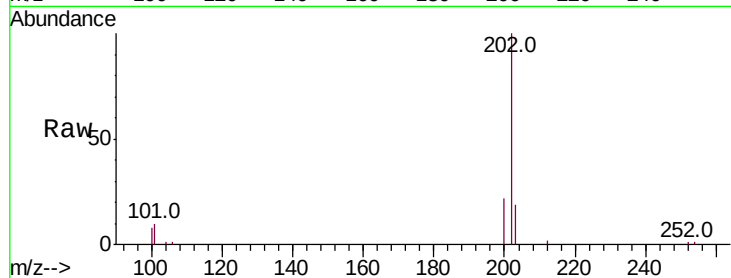




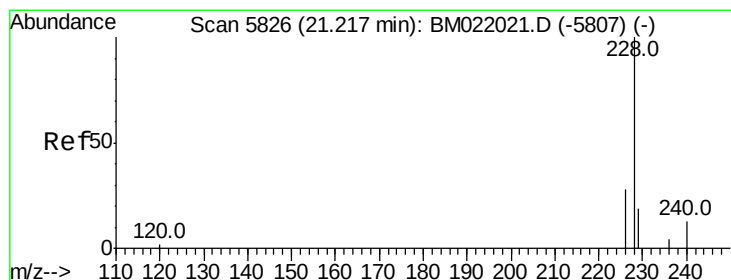
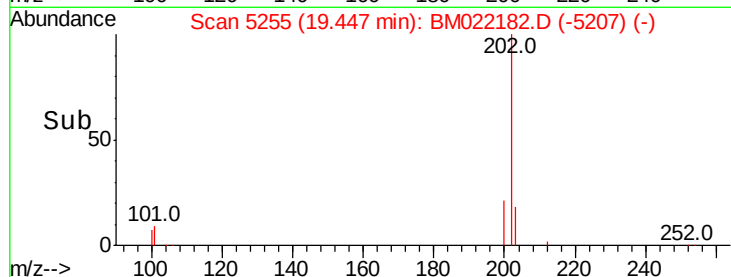
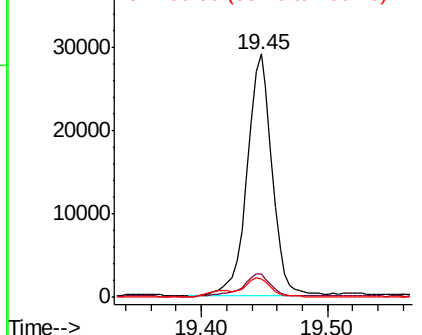
#17
Pvrene
Concen: 1.902 ng/ul
RT: 19.45 min Scan# 5255
Delta R.T. -0.02 min
Lab File: BM022182.D
Acq: 16 Aug 2019 22:30

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.6	8.3	12.5
100	7.6	7.2	10.8

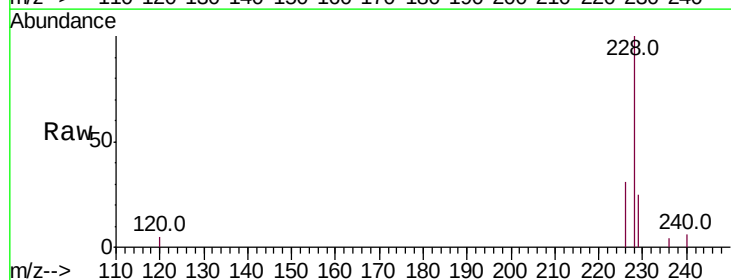


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

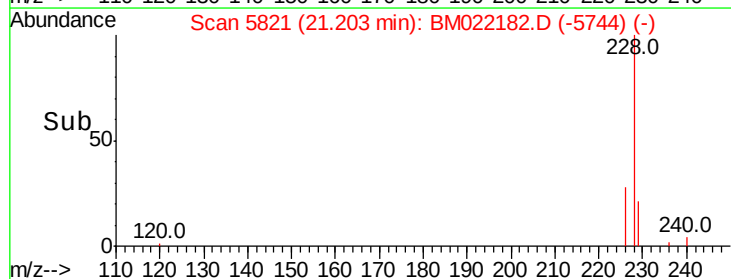
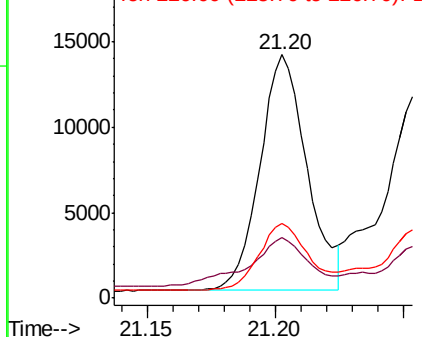


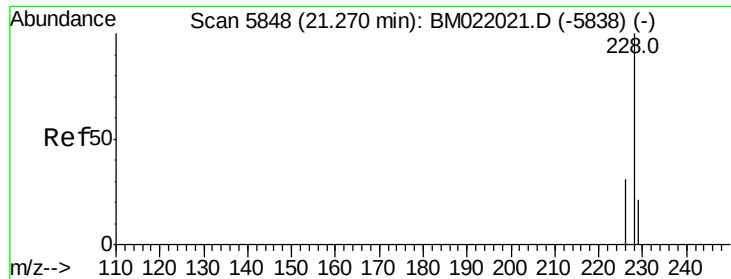
#18
Benzo(a)anthracene
Concen: 0.963 ng/ul
RT: 21.20 min Scan# 5821
Delta R.T. -0.01 min
Lab File: BM022182.D
Acq: 16 Aug 2019 22:30

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.8	17.2	25.8
226	30.8	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: 0.748 ng/ul

RT: 21.20 min Scan# 5821

Delta R.T. -0.07 min

Lab File: BM022182.D

Acq: 16 Aug 2019 22:30

Instrument :

BNA_M

ClientSampleId :

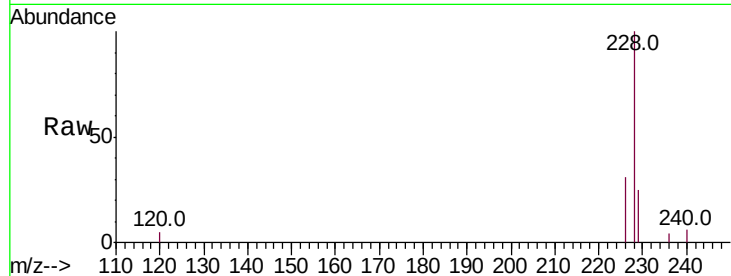
Tot Ion:228 Resp: 17517

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

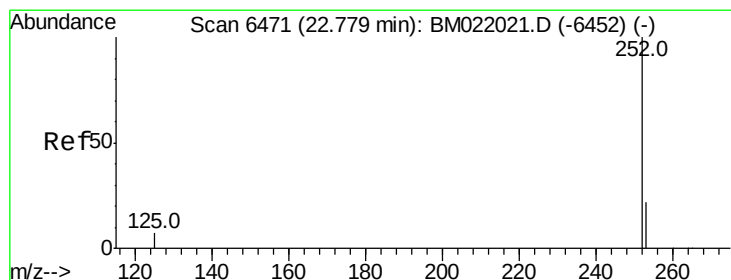
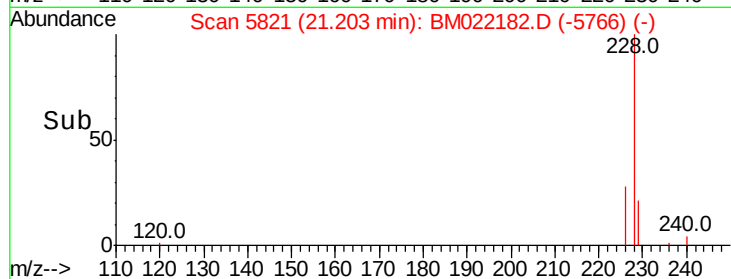
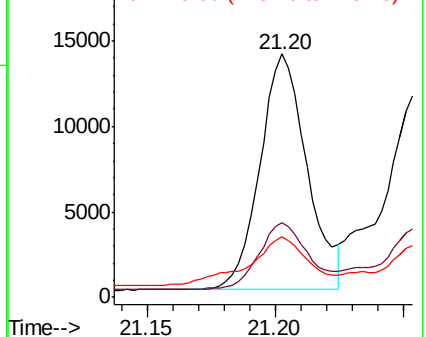
229 24.8 16.6 25.0



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: 1.661 ng/ul

RT: 22.77 min Scan# 6467

Delta R.T. -0.01 min

Lab File: BM022182.D

Acq: 16 Aug 2019 22:30

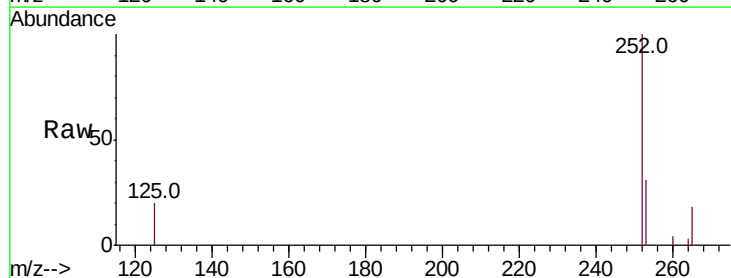
Tgt Ion:252 Resp: 32001

Ion Ratio Lower Upper

252 100

253 30.9 0.0 67.4

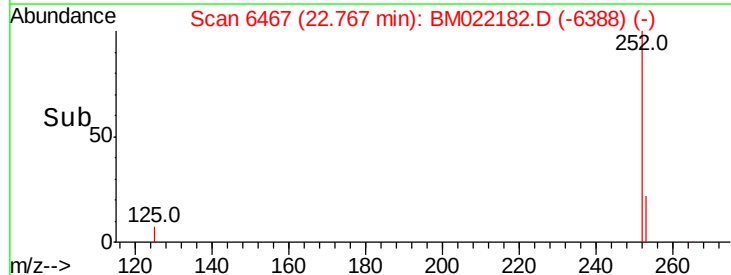
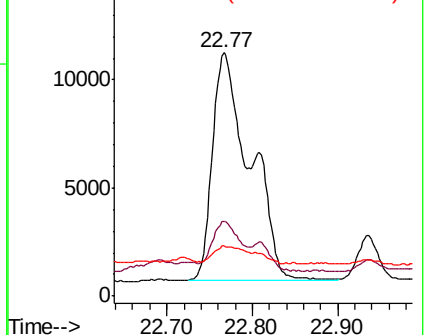
125 20.4 0.0 31.0

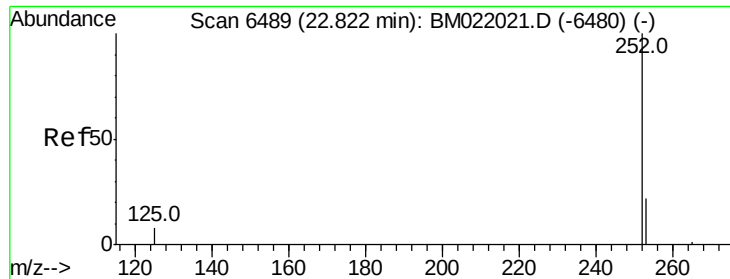


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.468 ng/ul

RT: 22.77 min Scan# 6467

Delta R.T. -0.06 min

Lab File: BM022182.D

Acq: 16 Aug 2019 22:30

Instrument :

BNA_M

ClientSampleId :

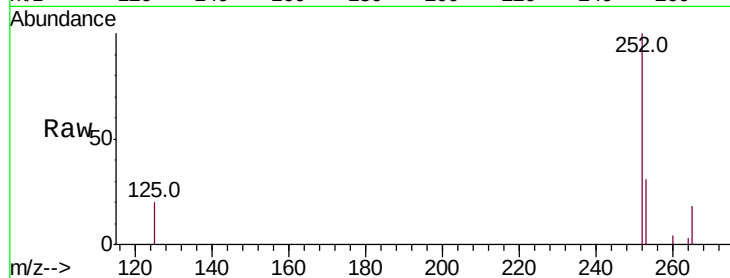
Tot Ion:252 Resp: 32001

Ion Ratio Lower Upper

252 100

253 30.9 27.0 40.4

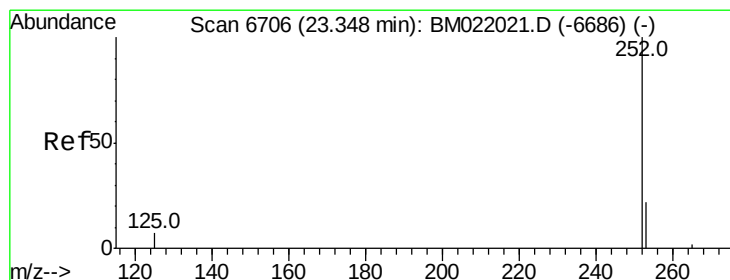
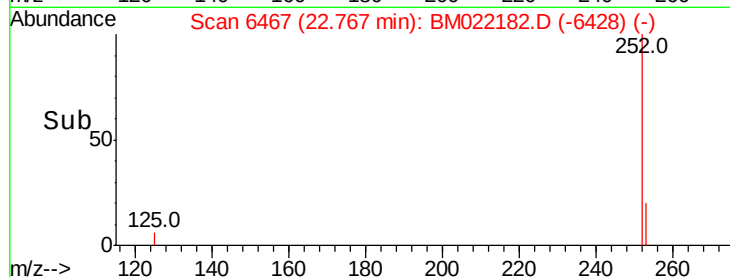
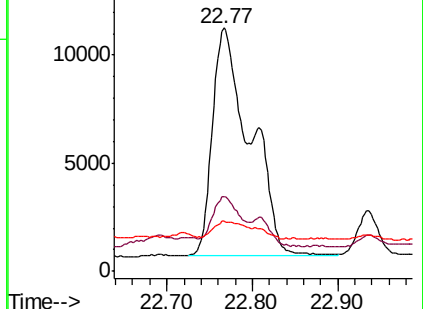
125 20.4 12.2 18.2#



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: 0.839 ng/ul

RT: 23.33 min Scan# 6700

Delta R.T. -0.02 min

Lab File: BM022182.D

Acq: 16 Aug 2019 22:30

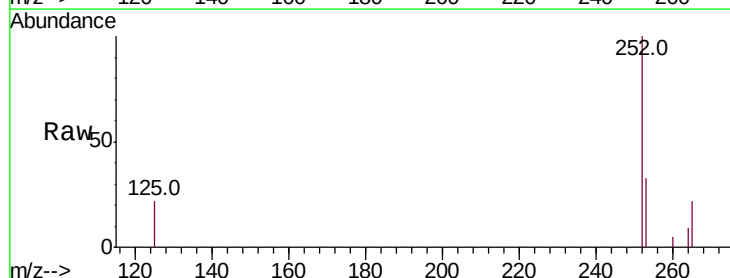
Tgt Ion:252 Resp: 16437

Ion Ratio Lower Upper

252 100

253 32.6 31.7 47.5

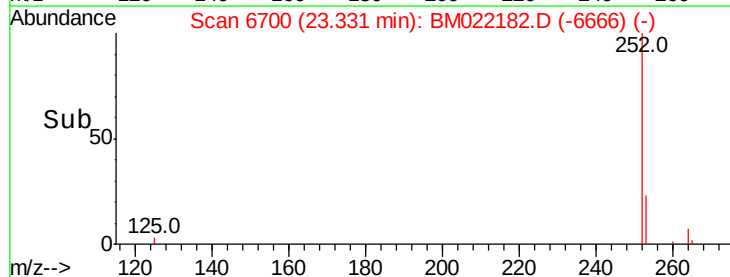
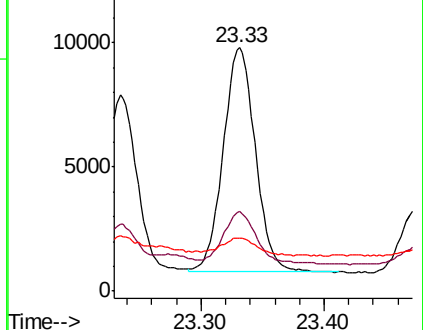
125 21.6 14.6 21.8

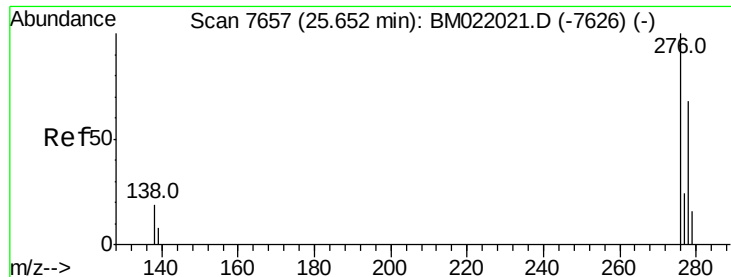


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



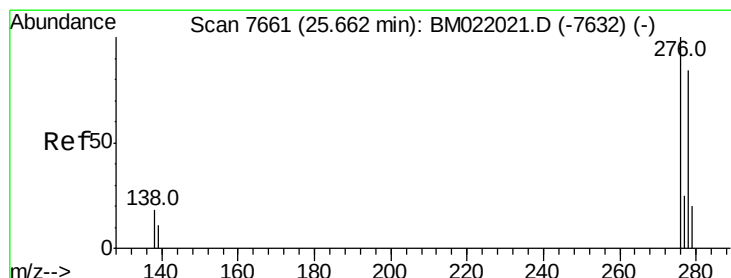
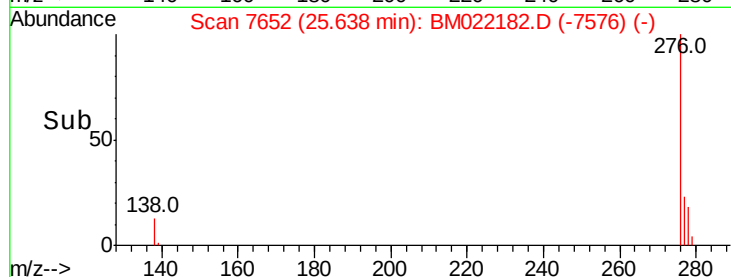
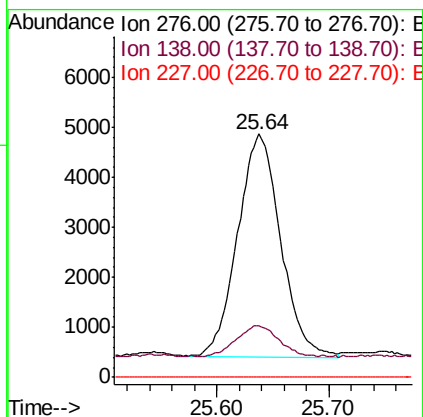
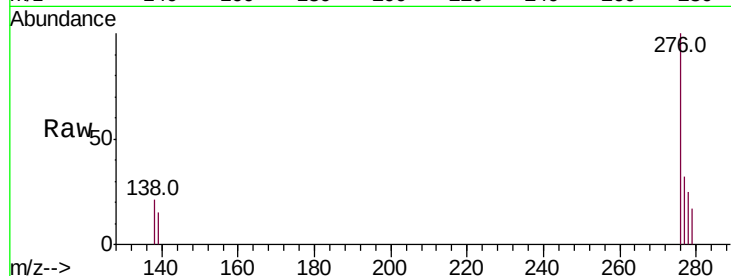


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.508 ng/ul
RT: 25.64 min Scan# 7652
Delta R.T. -0.02 min
Lab File: BM022182.D
Acq: 16 Aug 2019 22:30

Instrument :
BNA_M
ClientSampleId :

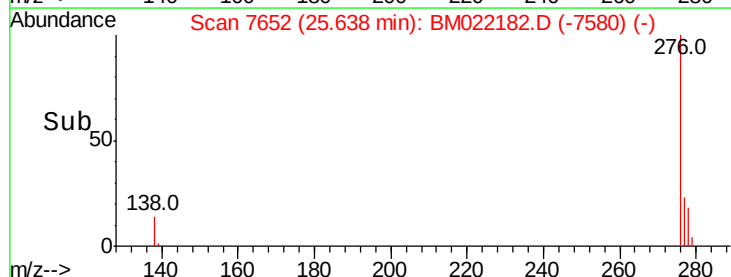
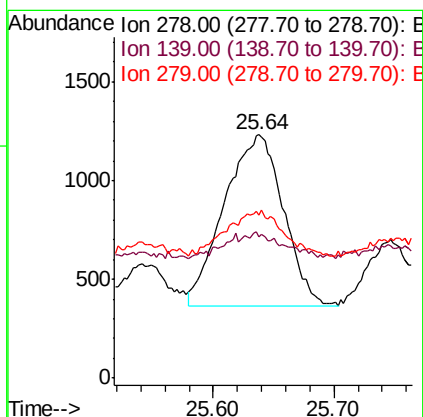
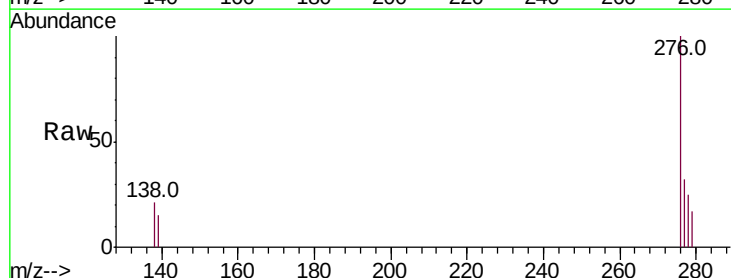
Tot Ion:276 Resp: 11887
Ion Ratio Lower Upper
276 100
138 13.9 15.1 22.7#
227 0.0 0.0 0.0

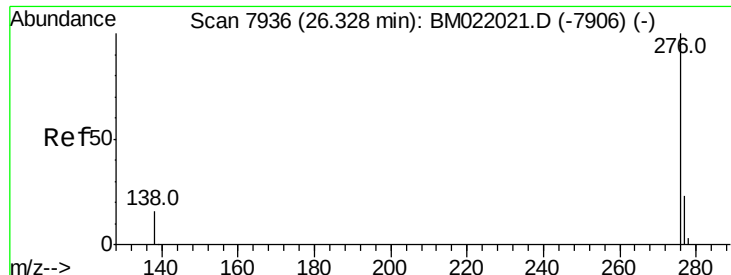


#25

Dibenzo(a,h)anthracene
Concen: 0.157 ng/ul
RT: 25.64 min Scan# 7652
Delta R.T. -0.03 min
Lab File: BM022182.D
Acq: 16 Aug 2019 22:30

Tgt Ion:278 Resp: 2968
Ion Ratio Lower Upper
278 100
139 58.2 14.2 21.2#
279 67.0 28.3 42.5#





#26

Benzo(a,h,i)perylene

Concen: 0.585 ng/ul

RT: 26.32 min Scan# 7933

Delta R.T. -0.02 min

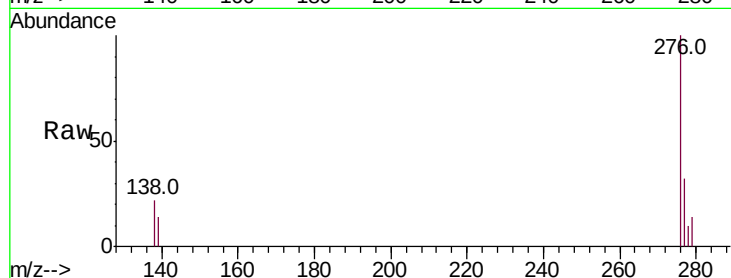
Lab File: BM022182.D

Acq: 16 Aug 2019 22:30

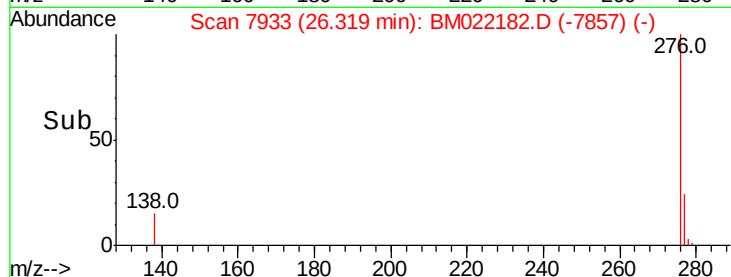
Instrument :

BNA_M

ClientSampleId :



Tot Ion:	276	Resp:	12332
Ion Ratio	Lower	Upper	
276	100		
138	22.4	15.5	23.3
277	32.2	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

