

Data File : BM021854.D
Acq On : 05 Aug 2019 22:20
Operator : HP/JU
Sample : K3863-15DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A52F5DL

Quant Time: Aug 06 01:32:30 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 : Tue Aug 06 01:29:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	892	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	3760	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	2122	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	4963	0.40	ng/ul	-0.01
16) Chrysene-d12	21.24	240	4985	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	6409	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	338	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	924	0.06	ng/ul	0.00

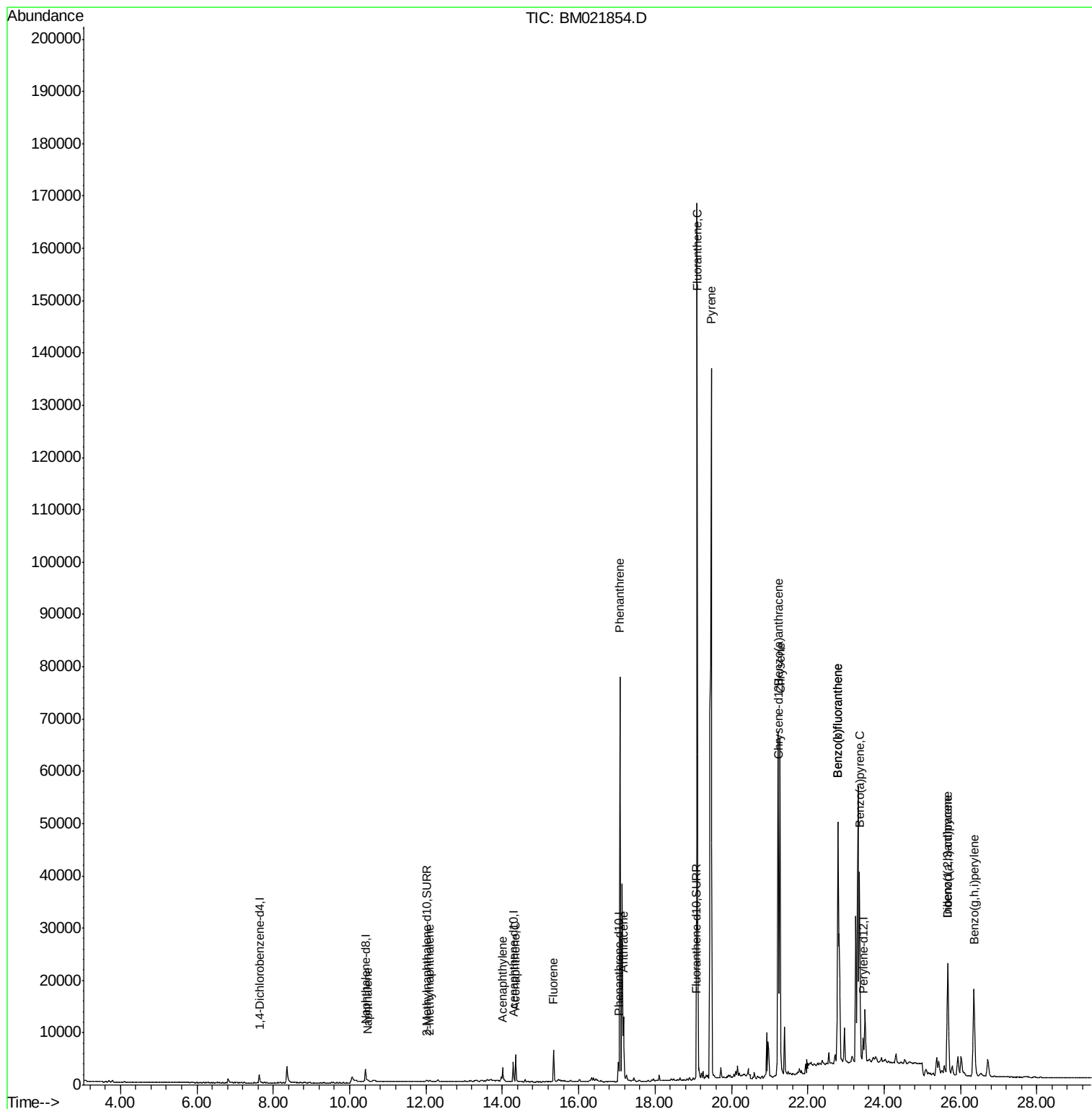
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	451	0.042	ng/ul#	66
5) 2-Methylnaphthalene	12.10	142	232	0.033	ng/ul	95
7) Acenaphthylene	14.00	152	1521	0.154	ng/ul#	93
8) Acenaphthene	14.35	153	3154	0.389	ng/ul	97
9) Fluorene	15.34	166	4140	0.460	ng/ul	97
12) Phenanthrene	17.08	178	81519	5.645	ng/ul	96
13) Anthracene	17.17	178	12130	0.985	ng/ul	96
15) Fluoranthene	19.10	202	150149	7.762	ng/ul	95
17) Pyrene	19.47	202	118724	5.796	ng/ul	97
18) Benzo(a)anthracene	21.22	228	54766	3.071	ng/ul	99
19) Chrysene	21.27	228	63765	2.781	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	104792	4.849	ng/ul	84
22) Benzo(k)fluoranthene	22.79	252	104810	4.285	ng/ul#	84
23) Benzo(a)pyrene	23.36	252	49852	2.268	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	25.67	276	36960	1.408	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.67	278	8818	0.416	ng/ul#	95
26) Benzo(g,h,i)perylene	26.35	276	35258	1.492	ng/ul	97

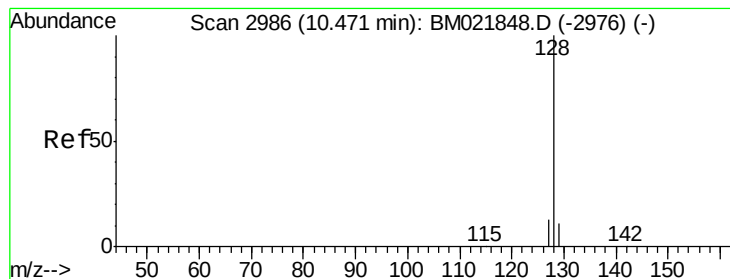
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.042 ng/ul

RT: 10.46 min Scan# 2985

Delta R.T. -0.01 min

Lab File: BM021854.D

Acq: 05 Aug 2019 22:20

Instrument :

BNA_M

ClientSampleId :

A52F5DL

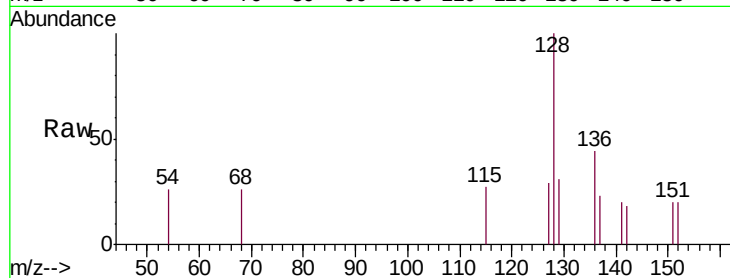
Tgt Ion:128 Resp: 451

Ion Ratio Lower Upper

128 100

129 31.3 12.3 18.5#

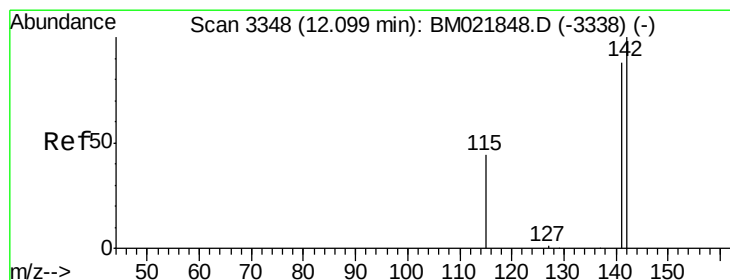
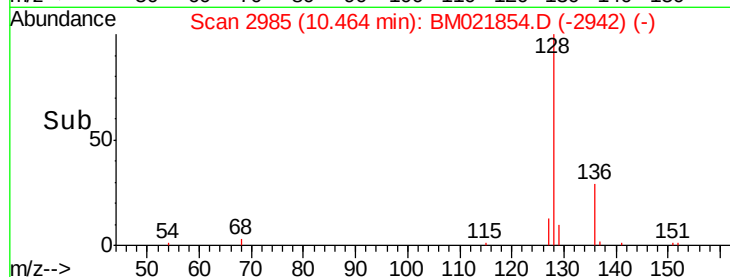
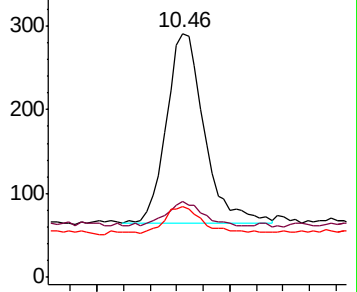
127 28.9 13.0 19.6#



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: 0.033 ng/ul

RT: 12.10 min Scan# 3348

Delta R.T. -0.00 min

Lab File: BM021854.D

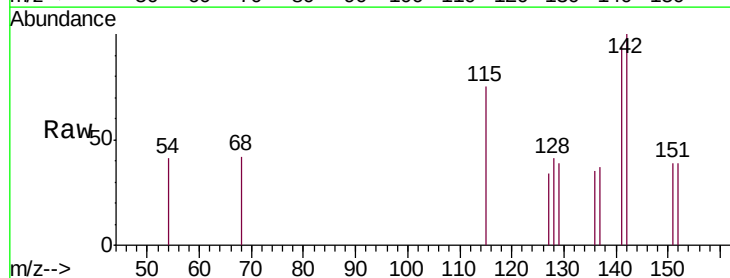
Acq: 05 Aug 2019 22:20

Tgt Ion:142 Resp: 232

Ion Ratio Lower Upper

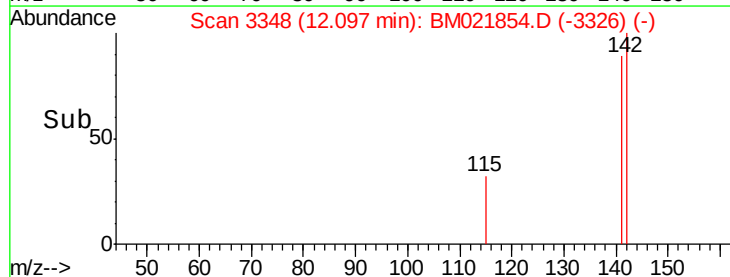
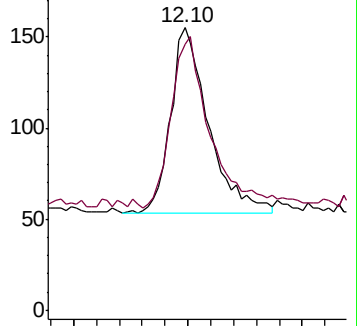
142 100

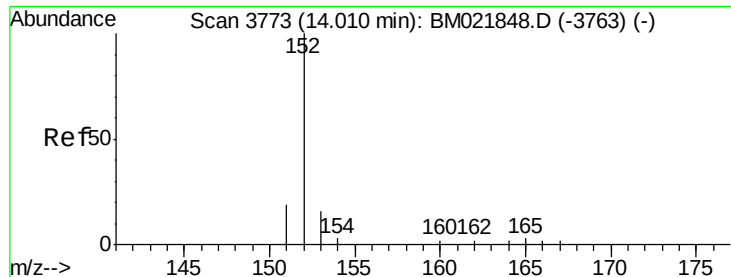
141 97.4 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.154 ng/ul

RT: 14.00 min Scan# 3772

Delta R.T. -0.01 min

Lab File: BM021854.D

Acq: 05 Aug 2019 22:20

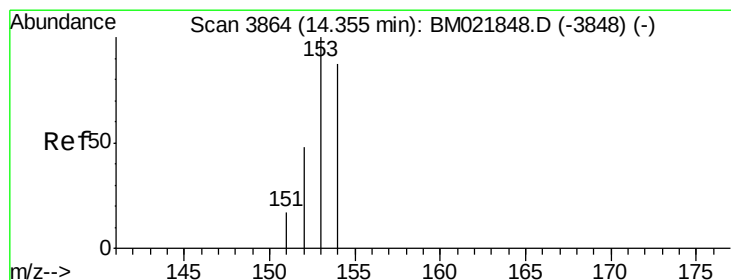
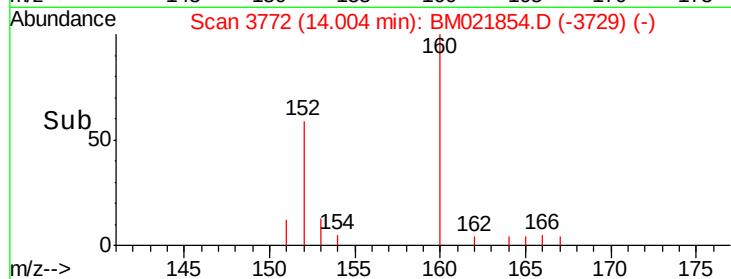
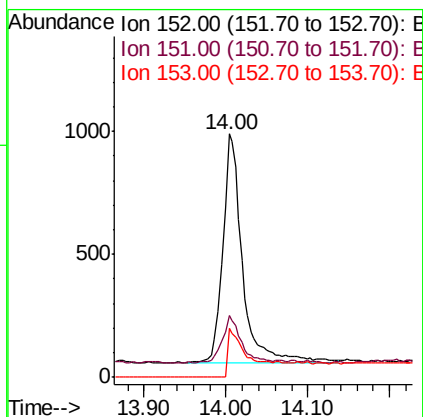
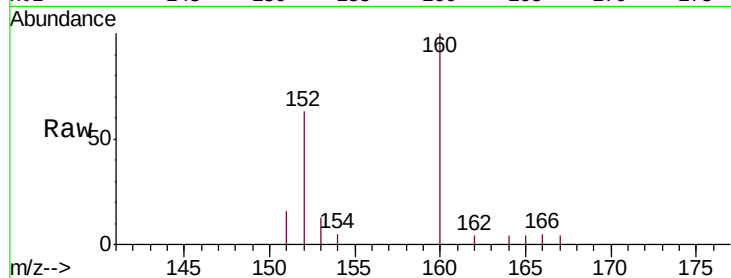
Instrument :

BNA_M

ClientSampleId :

A52F5DL

Tgt Ion:	152	Resp:	1521
Ion	Ratio	Lower	Upper
152	100		
151	25.4	18.3	27.5
153	20.1	12.8	19.2#



#8

Acenaphthene

Concen: 0.389 ng/ul

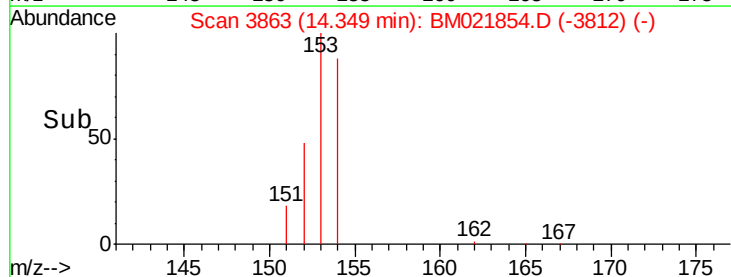
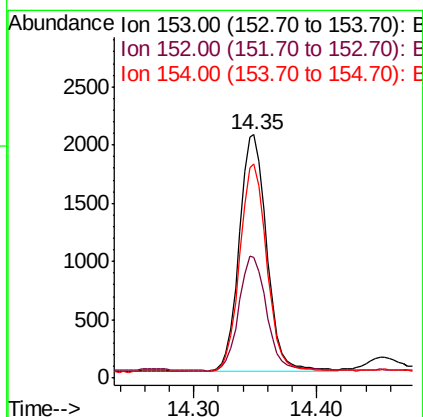
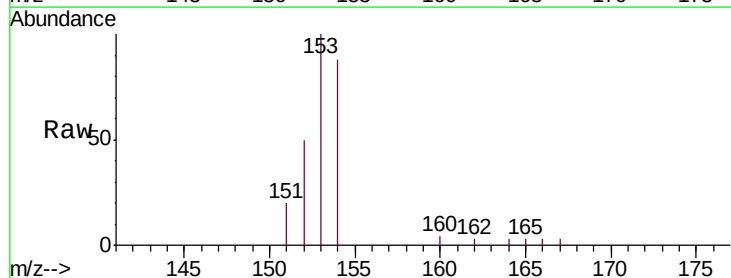
RT: 14.35 min Scan# 3863

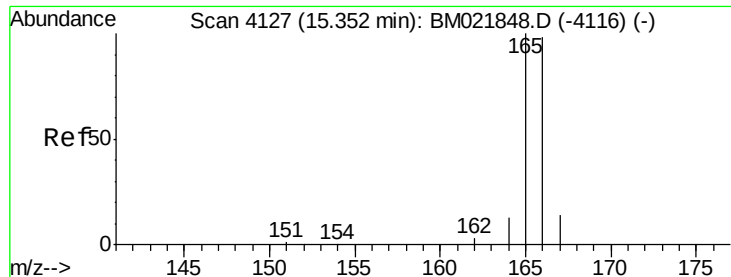
Delta R.T. -0.01 min

Lab File: BM021854.D

Acq: 05 Aug 2019 22:20

Tgt Ion:	153	Resp:	3154
Ion	Ratio	Lower	Upper
153	100		
152	49.8	41.3	61.9
154	88.0	72.3	108.5





#9

Fluorene

Concen: 0.460 ng/ul

RT: 15.34 min Scan# 4125

Delta R.T. -0.01 min

Lab File: BM021854.D

Acq: 05 Aug 2019 22:20

Instrument :

BNA_M

ClientSampleId :

A52F5DL

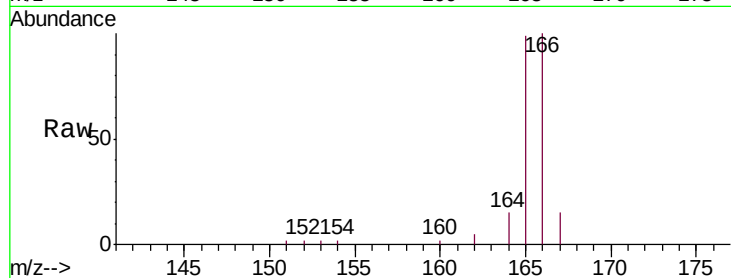
Tgt Ion:166 Resp: 4140

Ion Ratio Lower Upper

166 100

165 98.7 81.4 122.0

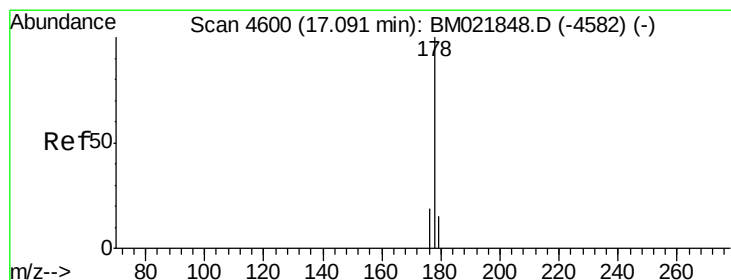
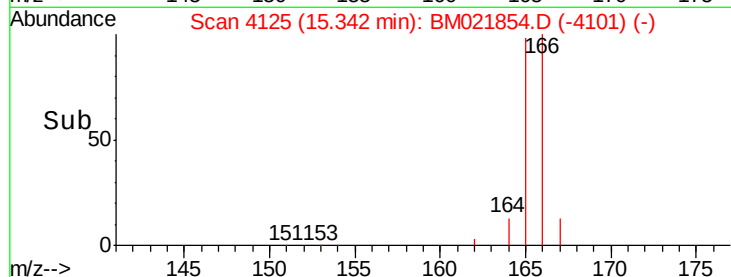
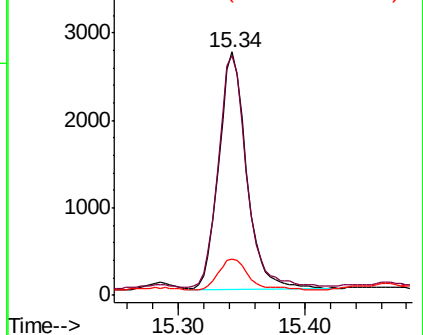
167 15.0 13.7 20.5



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: 5.645 ng/ul

RT: 17.08 min Scan# 4597

Delta R.T. -0.01 min

Lab File: BM021854.D

Acq: 05 Aug 2019 22:20

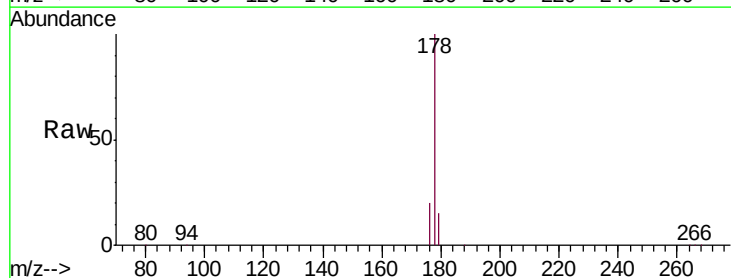
Tgt Ion:178 Resp: 81519

Ion Ratio Lower Upper

178 100

179 15.4 14.2 21.2

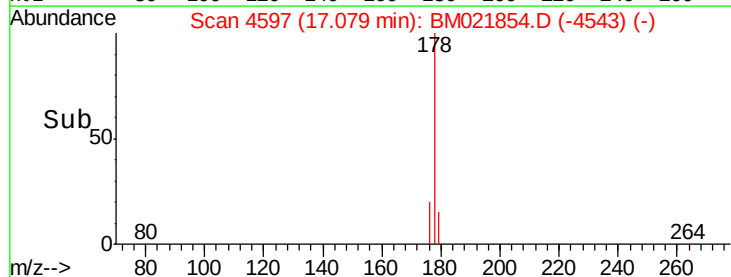
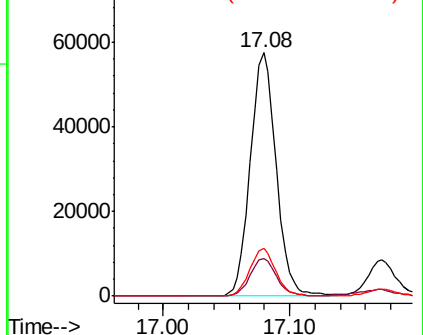
176 19.6 16.8 25.2

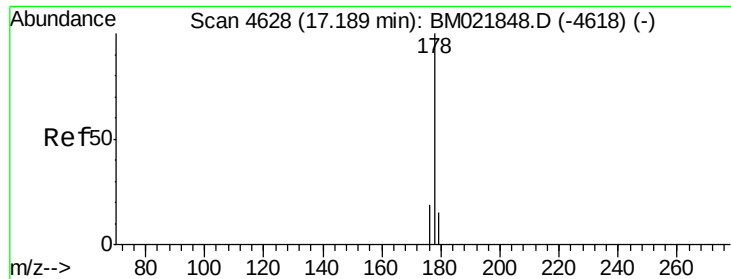


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.985 ng/ul

RT: 17.17 min Scan# 4624

Delta R.T. -0.02 min

Lab File: BM021854.D

Acq: 05 Aug 2019 22:20

Instrument :

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A52F5DL

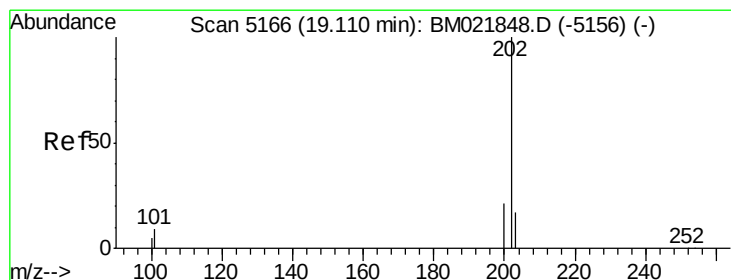
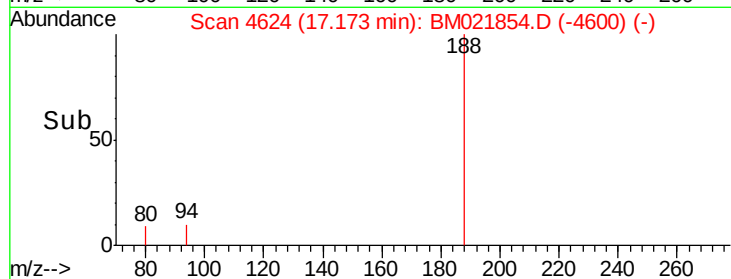
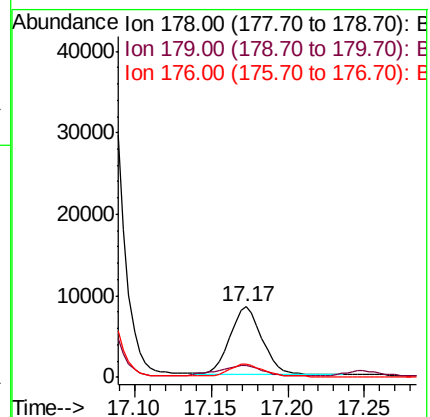
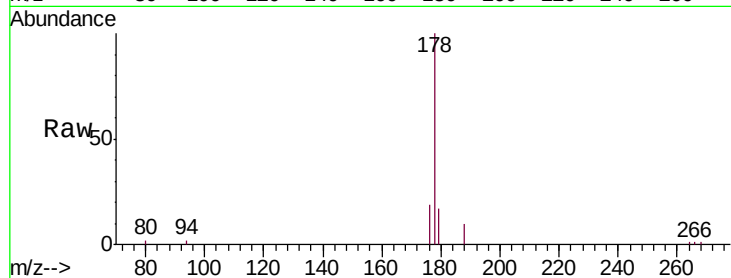
Tgt Ion:178 Resp: 12130

Ion Ratio Lower Upper

178 100

179 17.4 15.5 23.3

176 19.1 16.6 25.0



#15

Fluoranthene

Concen: 7.762 ng/ul

RT: 19.10 min Scan# 5165

Delta R.T. -0.01 min

Lab File: BM021854.D

Acq: 05 Aug 2019 22:20

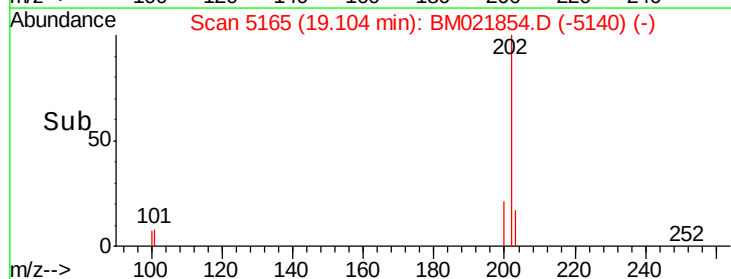
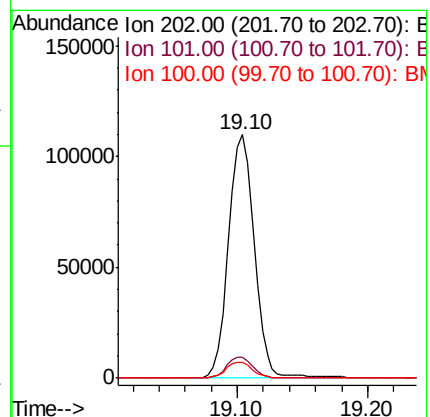
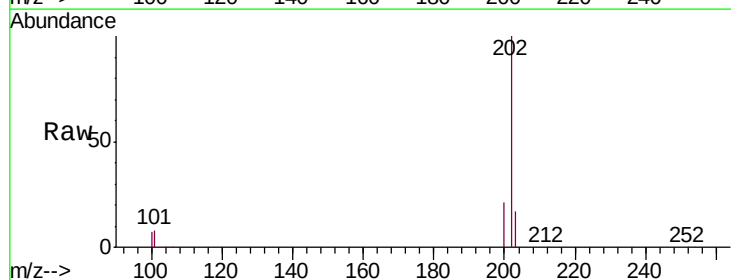
Tgt Ion:202 Resp: 150149

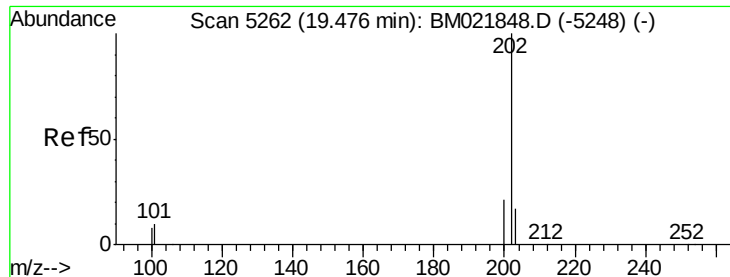
Ion Ratio Lower Upper

202 100

101 8.4 0.0 30.2

100 6.6 0.0 28.1

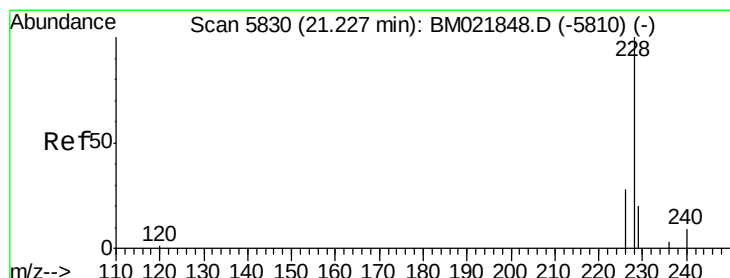
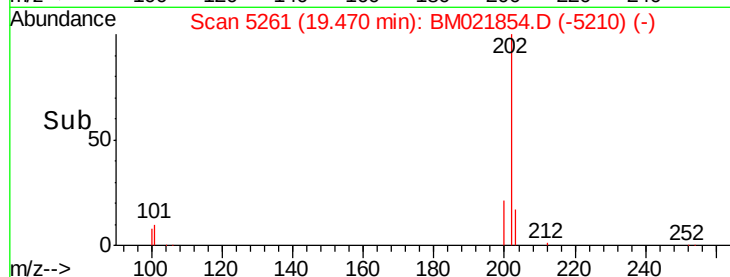
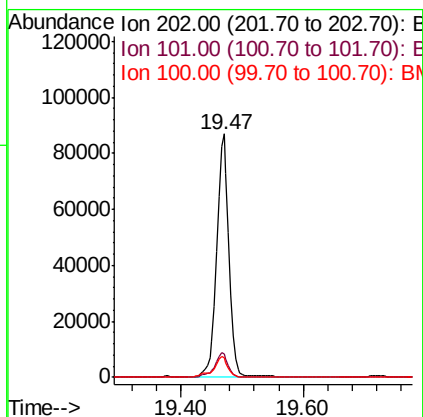
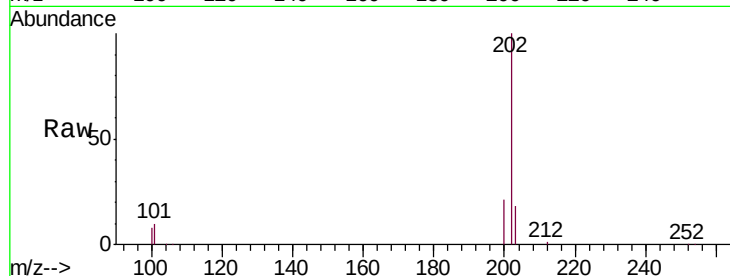




#17
Pyrene
 Concen: 5.796 ng/ul
 RT: 19.47 min Scan# 5261
 Delta R.T. -0.01 min
 Lab File: BM021854.D
 Acq: 05 Aug 2019 22:20

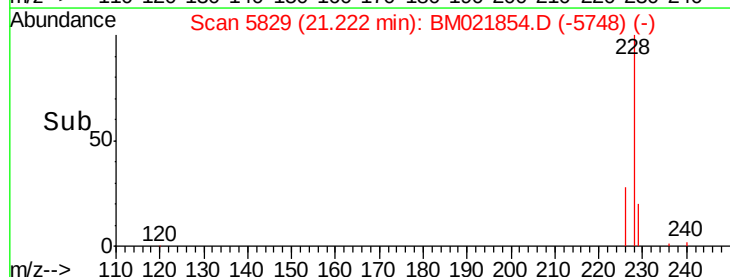
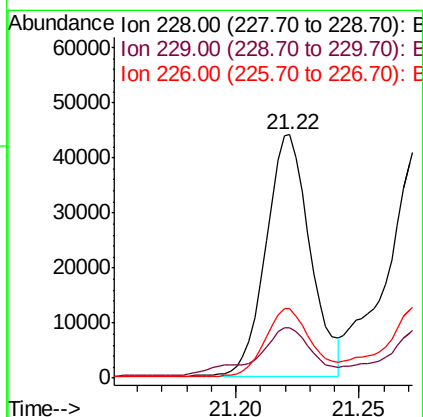
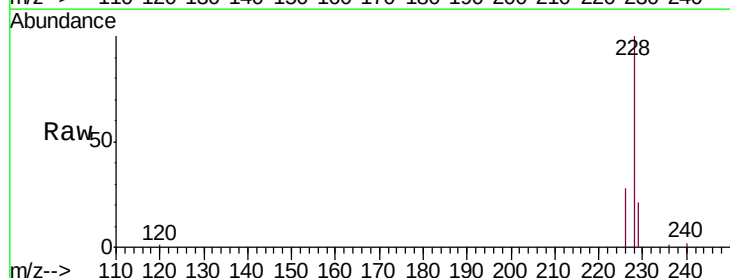
Instrument :
 BNA_M
 ClientSampleId :
 A52F5DL

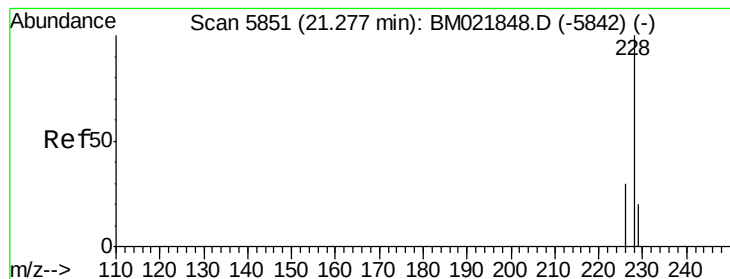
Tgt Ion:202 Resp: 118724
 Ion Ratio Lower Upper
 202 100
 101 9.7 8.3 12.5
 100 7.9 7.2 10.8



#18
Benzo(a)anthracene
 Concen: 3.071 ng/ul
 RT: 21.22 min Scan# 5829
 Delta R.T. -0.00 min
 Lab File: BM021854.D
 Acq: 05 Aug 2019 22:20

Tgt Ion:228 Resp: 54766
 Ion Ratio Lower Upper
 228 100
 229 20.7 17.2 25.8
 226 28.3 22.6 34.0





#19

Chrysene

Concen: 2.781 ng/ul

RT: 21.27 min Scan# 5850

Delta R.T. -0.00 min

Lab File: BM021854.D

Acq: 05 Aug 2019 22:20

Instrument :

BNA_M

ClientSampleId :

A52F5DL

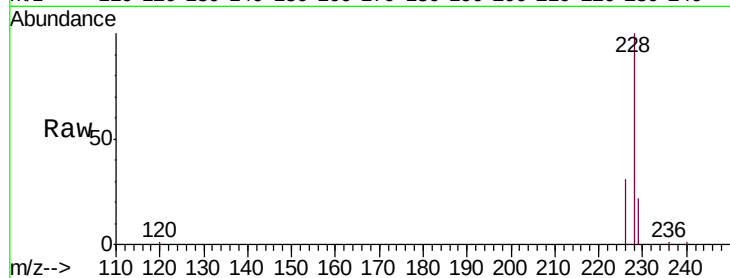
Tgt Ion:228 Resp: 63765

Ion Ratio Lower Upper

228 100

226 31.1 24.9 37.3

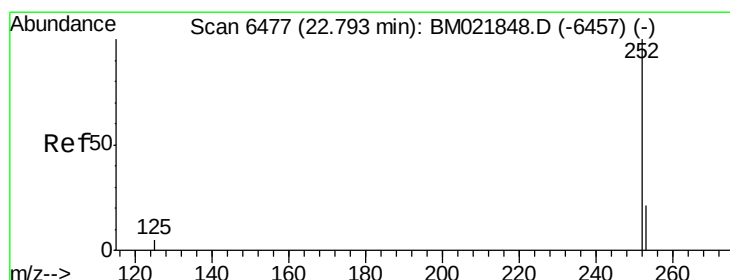
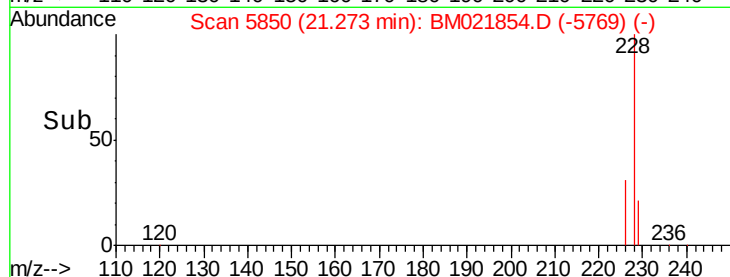
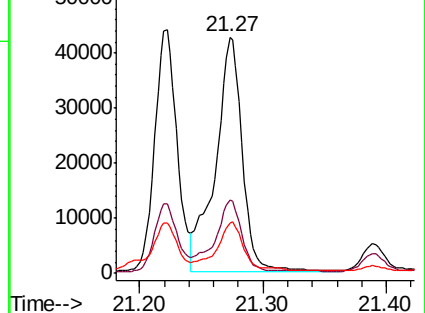
229 21.5 16.6 25.0



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: 4.849 ng/ul

RT: 22.79 min Scan# 6476

Delta R.T. -0.00 min

Lab File: BM021854.D

Acq: 05 Aug 2019 22:20

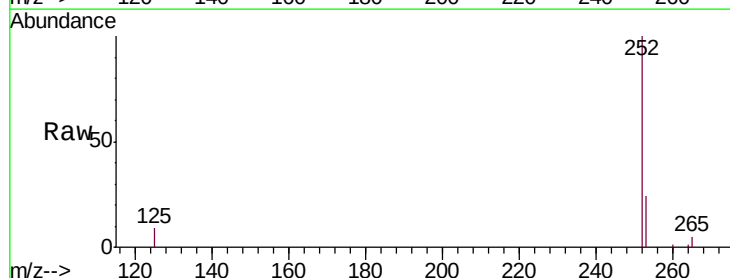
Tgt Ion:252 Resp: 104792

Ion Ratio Lower Upper

252 100

253 24.3 0.0 67.4

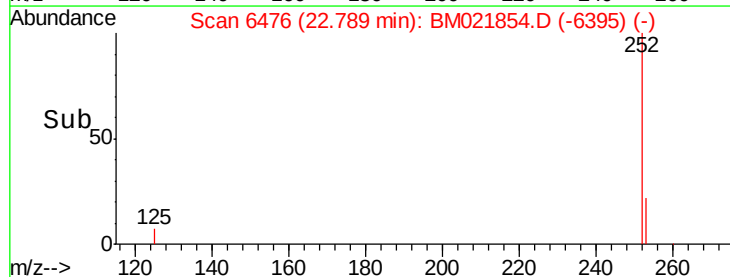
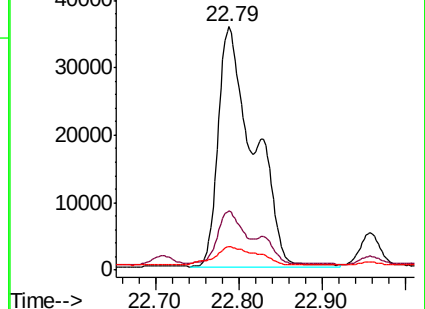
125 9.4 0.0 31.0

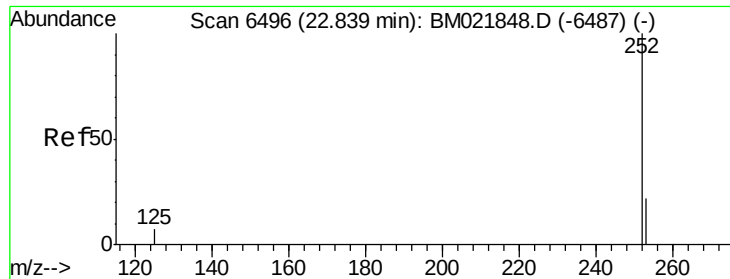


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 4.285 ng/ul

RT: 22.79 min Scan# 6476

Delta R.T. -0.05 min

Lab File: BM021854.D

Acq: 05 Aug 2019 22:20

Instrument :

BNA_M

ClientSampleId :

A52F5DL

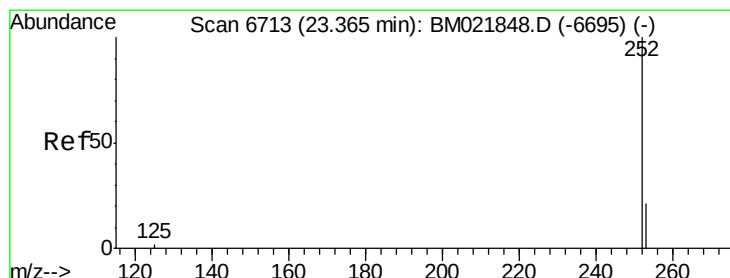
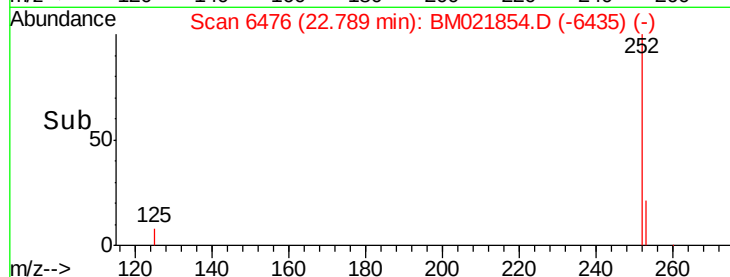
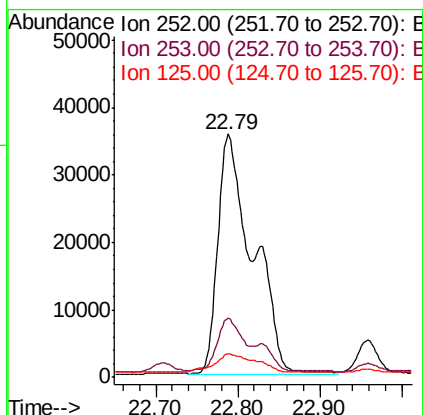
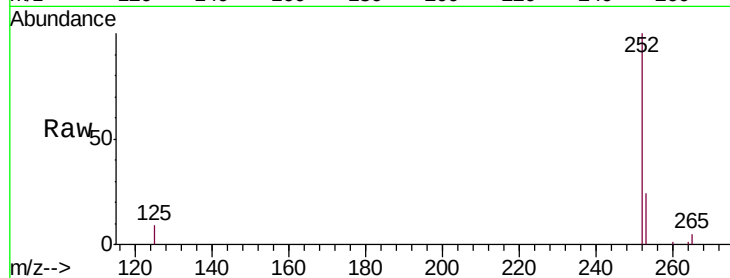
Tgt Ion:252 Resp: 104810

Ion Ratio Lower Upper

252 100

253 24.3 27.0 40.4#

125 9.4 12.2 18.2#



#23

Benzo(a)pyrene

Concen: 2.268 ng/ul

RT: 23.36 min Scan# 6710

Delta R.T. -0.01 min

Lab File: BM021854.D

Acq: 05 Aug 2019 22:20

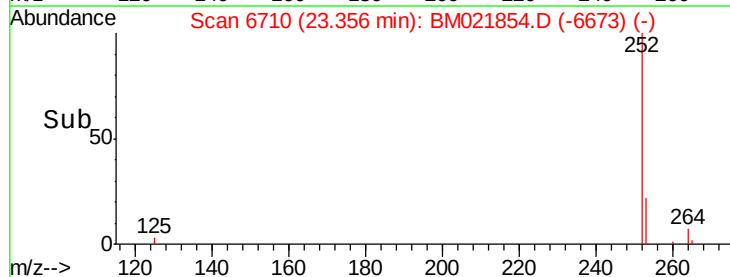
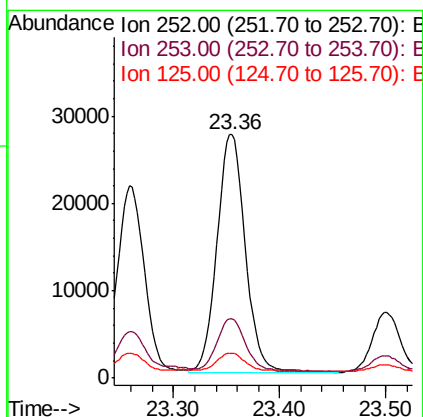
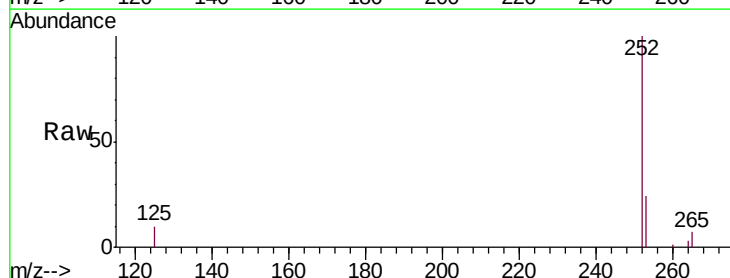
Tgt Ion:252 Resp: 49852

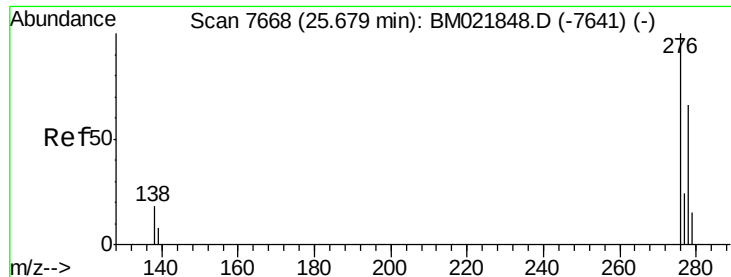
Ion Ratio Lower Upper

252 100

253 24.5 31.7 47.5#

125 10.3 14.6 21.8#



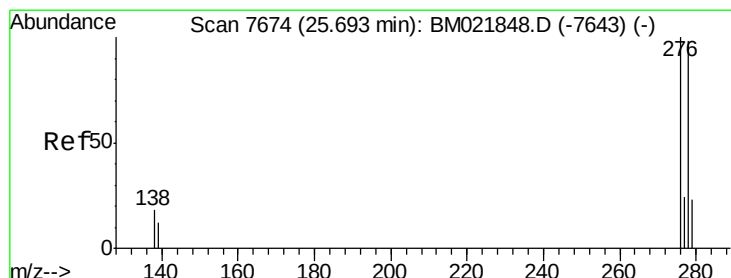
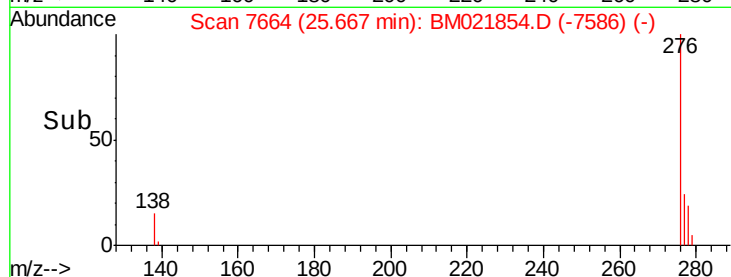
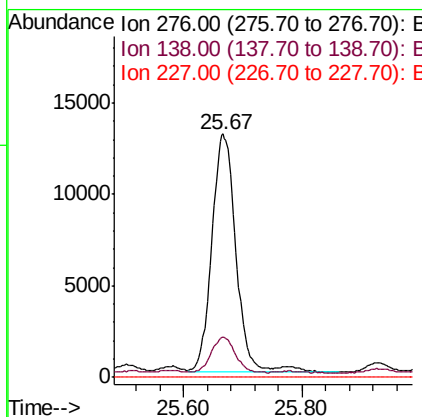
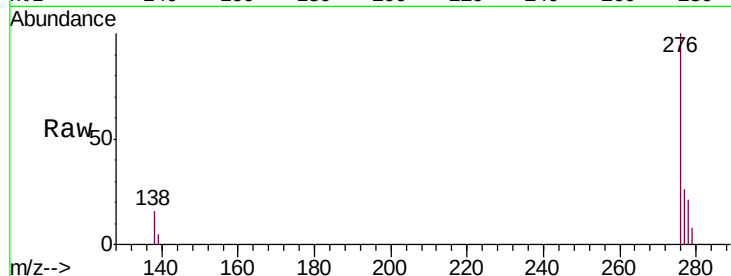


#24

Indeno(1,2,3-cd)pyrene
Concen: 1.408 ng/ul
RT: 25.67 min Scan# 7664
Delta R.T. -0.01 min
Lab File: BM021854.D
Acq: 05 Aug 2019 22:20

Instrument :
BNA_M
ClientSampleId :
A52F5DL

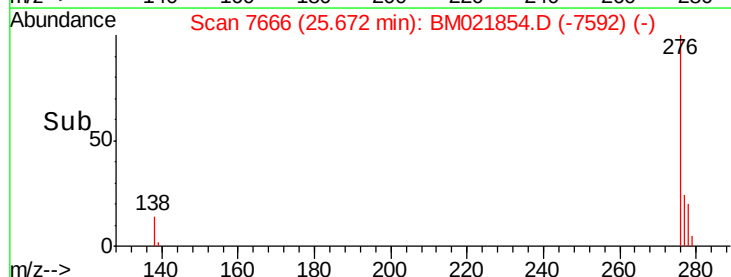
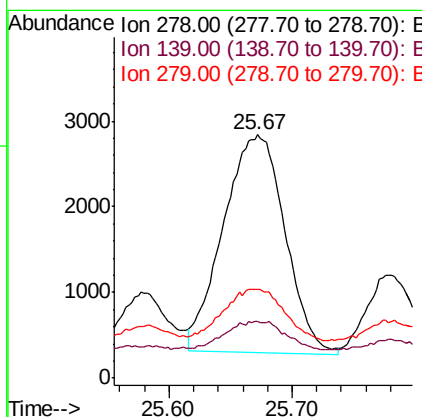
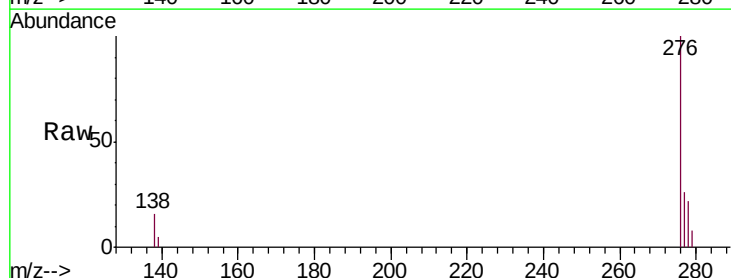
Tgt Ion: 276 Resp: 36960
Ion Ratio Lower Upper
276 100
138 14.4 15.1 22.7#
227 0.0 0.0 0.0

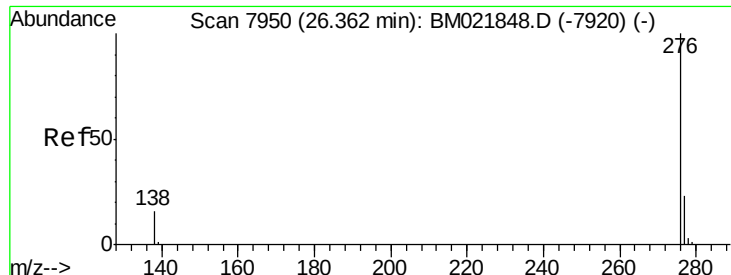


#25

Dibenzo(a,h)anthracene
Concen: 0.416 ng/ul
RT: 25.67 min Scan# 7666
Delta R.T. -0.02 min
Lab File: BM021854.D
Acq: 05 Aug 2019 22:20

Tgt Ion: 278 Resp: 8818
Ion Ratio Lower Upper
278 100
139 23.1 14.2 21.2#
279 36.2 28.3 42.5





#26

Benzo(g,h,i)perylene

Concen: 1.492 ng/ul

RT: 26.35 min Scan# 7946

Delta R.T. -0.01 min

Lab File: BM021854.D

Acq: 05 Aug 2019 22:20

Instrument :

BNA_M

ClientSampleId :

A52F5DL

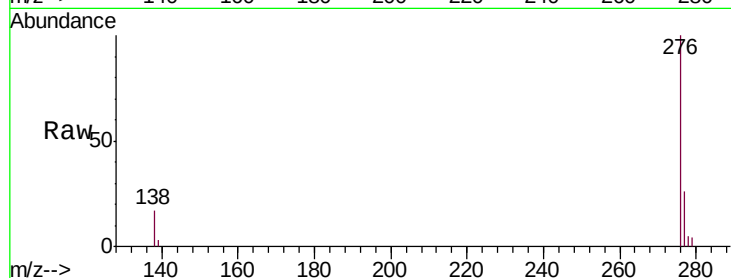
Tgt Ion: 276 Resp: 35258

Ion Ratio Lower Upper

276 100

138 17.0 15.5 23.3

277 25.8 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

