

Data File : BM021906.D
Acq On : 07 Aug 2019 21:19
Operator : HP/JU
Sample : K3893-11DL 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP15DL

Quant Time: Aug 08 04:42:46 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 : Thu Aug 08 04:39:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	698	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	3077	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	1763	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	4040	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	4138	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	5767	0.40	ng/ul	-0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	318	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	871	0.06	ng/ul	-0.01

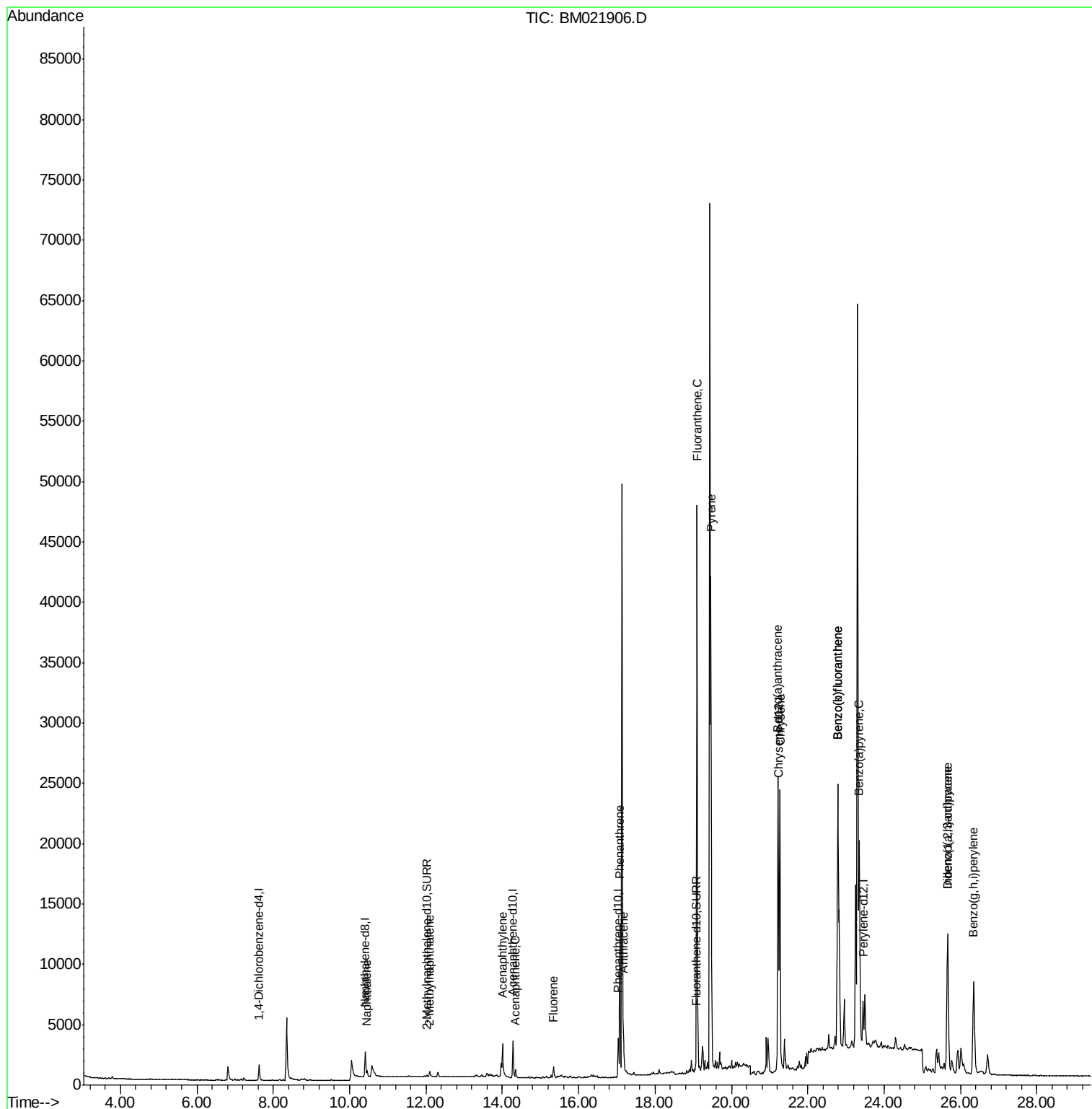
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	724	0.083	ng/ul#	82
5) 2-Methylnaphthalene	12.10	142	461	0.080	ng/ul	99
7) Acenaphthylene	14.00	152	2586	0.315	ng/ul#	84
8) Acenaphthene	14.34	153	448	0.067	ng/ul	95
9) Fluorene	15.34	166	708	0.095	ng/ul#	97
12) Phenanthrene	17.07	178	13732	1.168	ng/ul	97
13) Anthracene	17.17	178	3344	0.333	ng/ul	98
15) Fluoranthene	19.10	202	41729	2.650	ng/ul	98
17) Pyrene	19.46	202	36003	2.117	ng/ul	99
18) Benzo(a)anthracene	21.22	228	20478	1.384	ng/ul	99
19) Chrysene	21.27	228	24520	1.288	ng/ul	98
21) Benzo(b)fluoranthene	22.78	252	50820	2.613	ng/ul	86
22) Benzo(k)fluoranthene	22.78	252	50820	2.309	ng/ul#	86
23) Benzo(a)pyrene	23.35	252	23477	1.187	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	25.66	276	20030	0.848	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.67	278	4661	0.244	ng/ul#	90
26) Benzo(g,h,i)perylene	26.34	276	17341	0.816	ng/ul	98

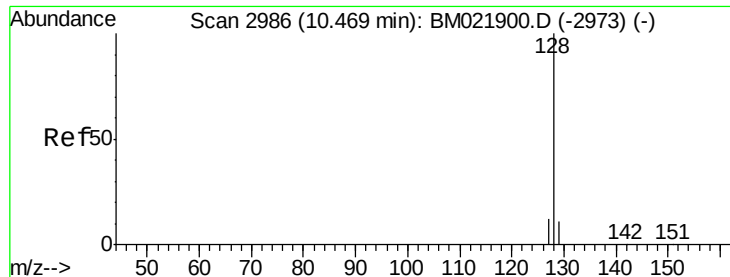
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.083 ng/ul

RT: 10.46 min Scan# 2983

Delta R.T. -0.01 min

Lab File: BM021906.D

Acq: 07 Aug 2019 21:19

Instrument :

BNA_M

ClientSampleId :

BEP15DL

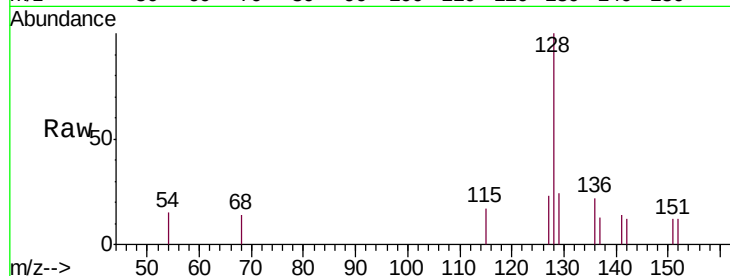
Tgt Ion:128 Resp: 724

Ion Ratio Lower Upper

128 100

129 23.6 12.3 18.5#

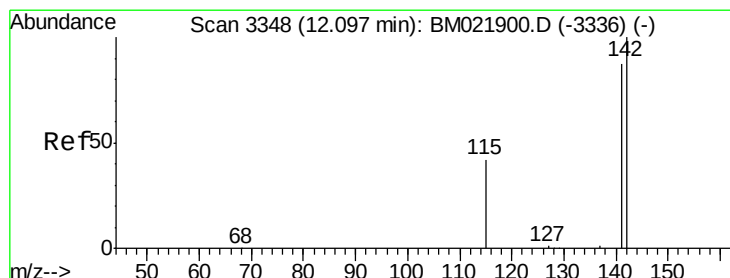
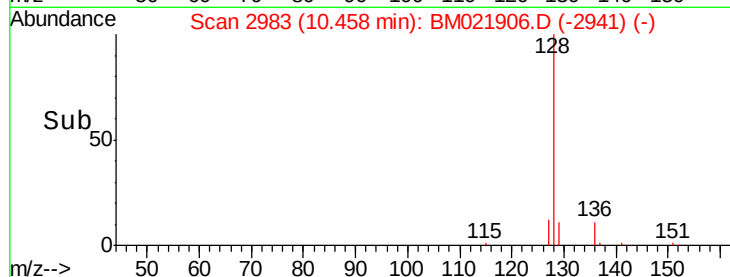
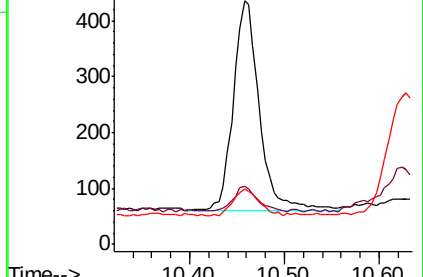
127 22.9 13.0 19.6#



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: 0.080 ng/ul

RT: 12.10 min Scan# 3348

Delta R.T. 0.00 min

Lab File: BM021906.D

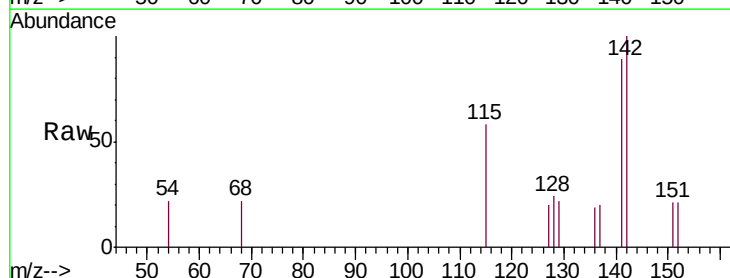
Acq: 07 Aug 2019 21:19

Tgt Ion:142 Resp: 461

Ion Ratio Lower Upper

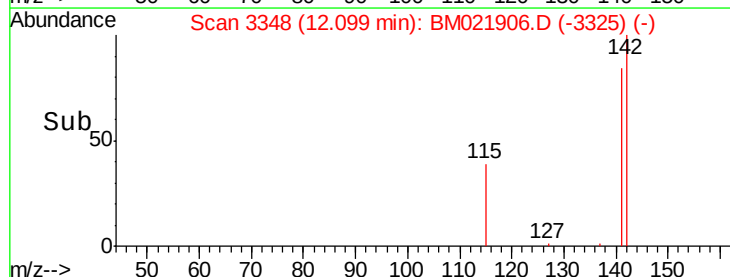
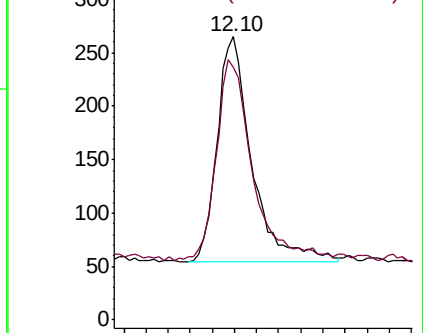
142 100

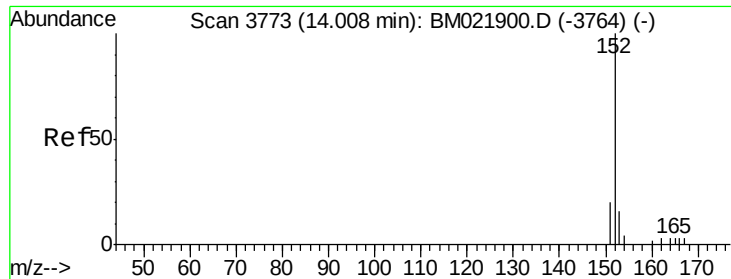
141 91.8 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.315 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. -0.01 min

Lab File: BM021906.D

Acq: 07 Aug 2019 21:19

Instrument :

BNA_M

ClientSampleId :

BEP15DL

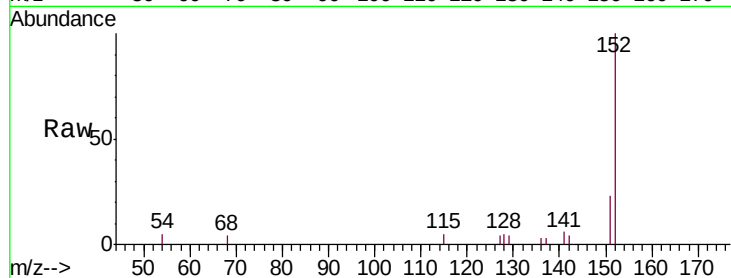
Tgt Ion:152 Resp: 2586

Ion Ratio Lower Upper

152 100

151 23.2 18.3 27.5

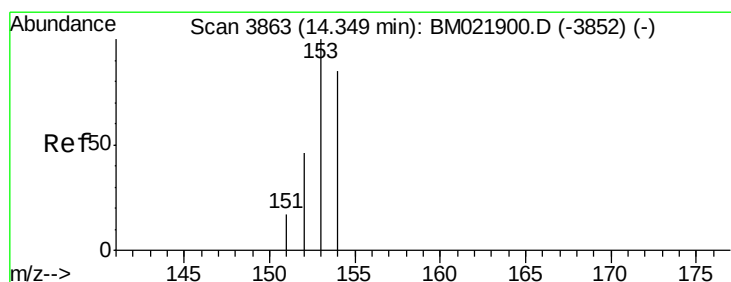
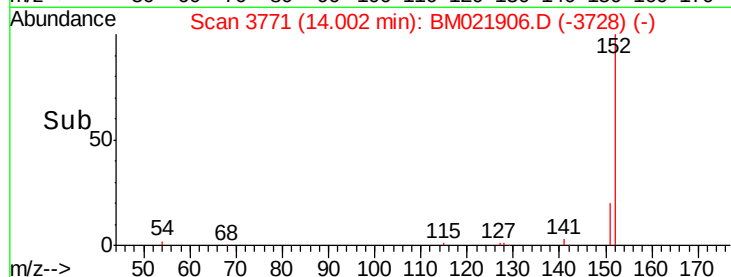
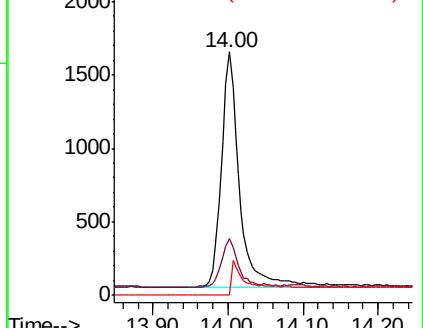
153 0.0 12.8 19.2#



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: 0.067 ng/ul

RT: 14.34 min Scan# 3861

Delta R.T. -0.01 min

Lab File: BM021906.D

Acq: 07 Aug 2019 21:19

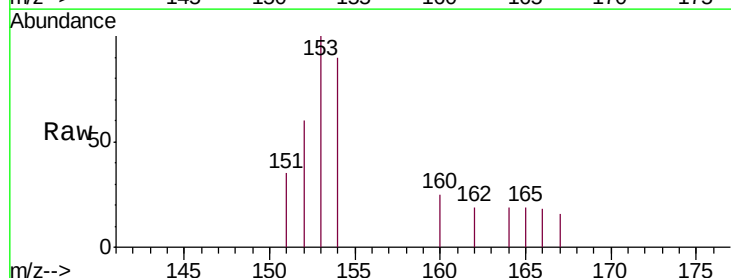
Tgt Ion:153 Resp: 448

Ion Ratio Lower Upper

153 100

152 59.9 41.3 61.9

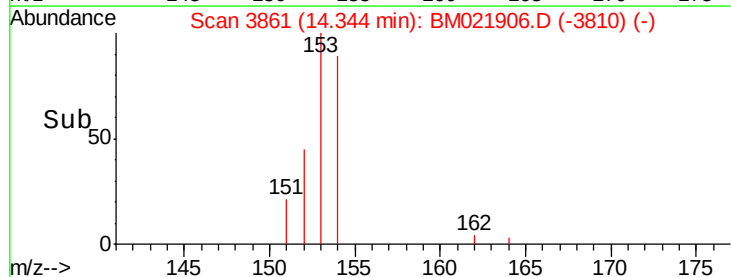
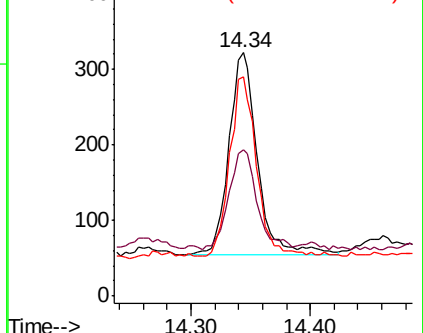
154 90.1 72.3 108.5

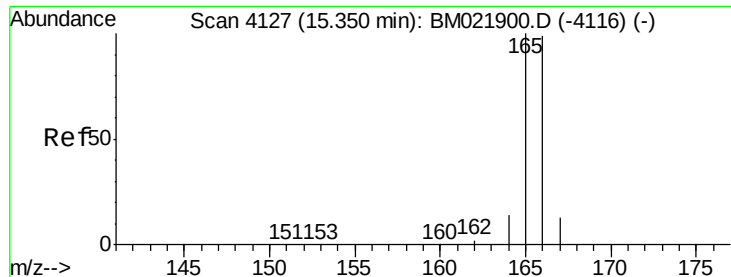


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

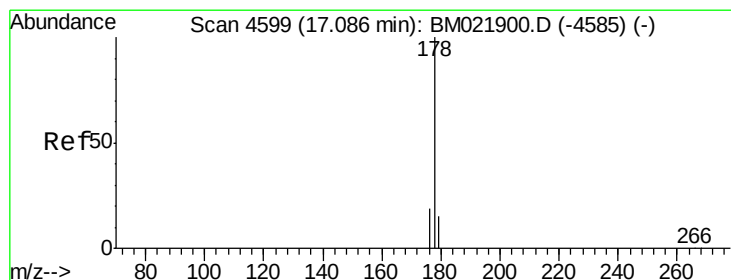
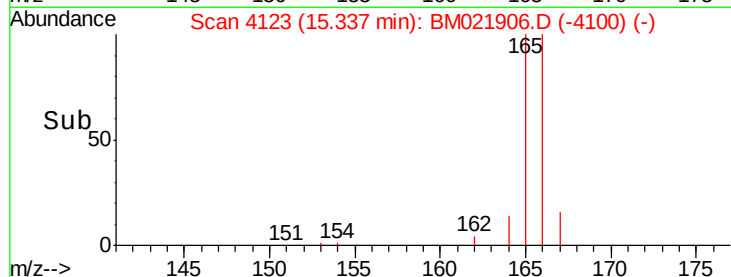
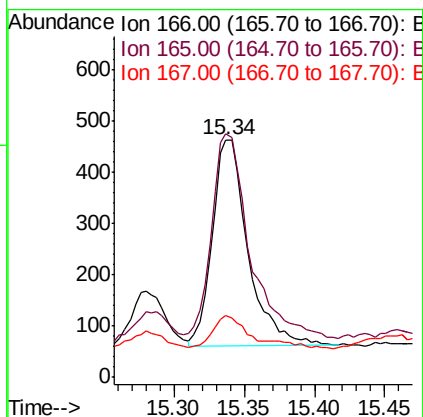
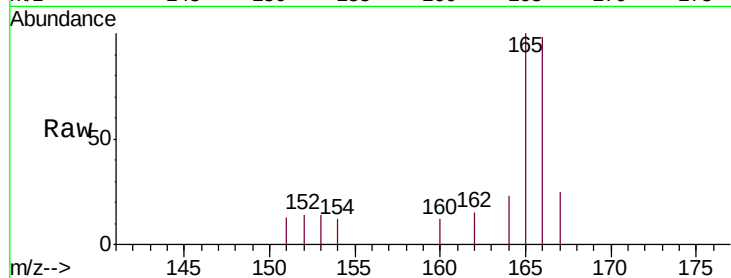




#9
Fluorene
 Concen: 0.095 ng/ul
 RT: 15.34 min Scan# 4123
 Delta R.T. -0.01 min
 Lab File: BM021906.D
 Acq: 07 Aug 2019 21:19

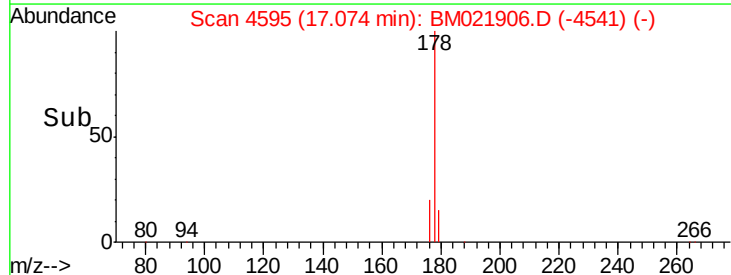
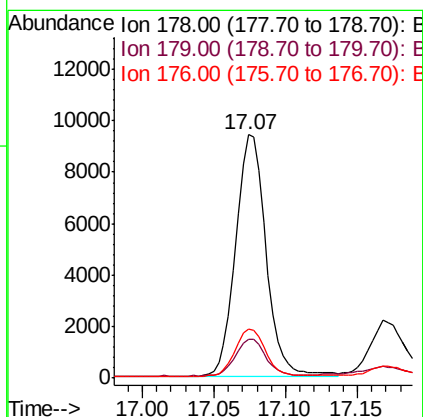
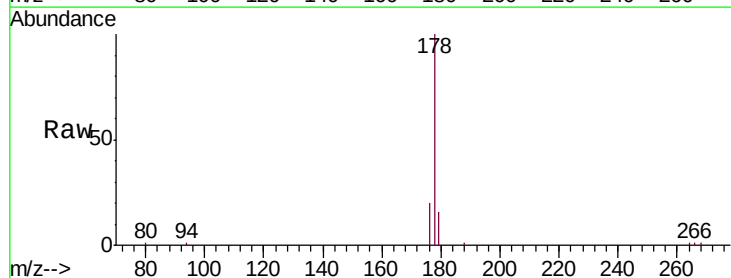
Instrument :
 BNA_M
 ClientSampleId :
 BEP15DL

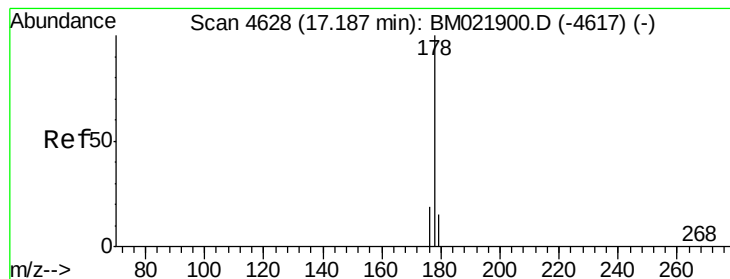
Tgt Ion:166 Resp: 708
 Ion Ratio Lower Upper
 166 100
 165 102.4 81.4 122.0
 167 25.9 13.7 20.5#



#12
Phenanthrene
 Concen: 1.168 ng/ul
 RT: 17.07 min Scan# 4595
 Delta R.T. -0.01 min
 Lab File: BM021906.D
 Acq: 07 Aug 2019 21:19

Tgt Ion:178 Resp: 13732
 Ion Ratio Lower Upper
 178 100
 179 15.8 14.2 21.2
 176 20.2 16.8 25.2





#13

Anthracene

Concen: 0.333 ng/ul

RT: 17.17 min Scan# 4622

Delta R.T. -0.02 min

Lab File: BM021906.D

Acq: 07 Aug 2019 21:19

Instrument :

BNA_M

ClientSampleId :

BEP15DL

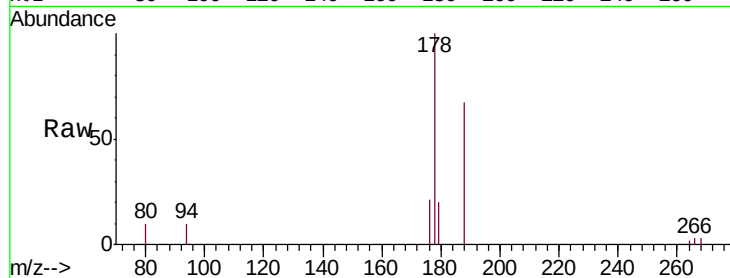
Tgt Ion:178 Resp: 3344

Ion Ratio Lower Upper

178 100

179 20.2 15.5 23.3

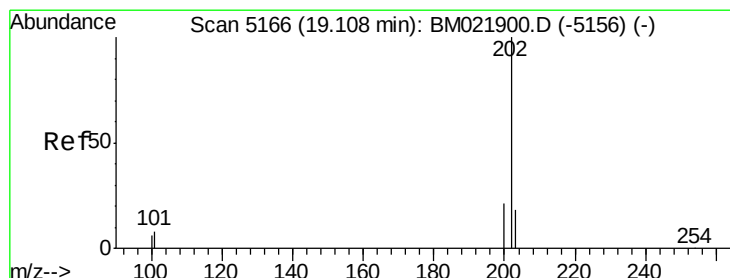
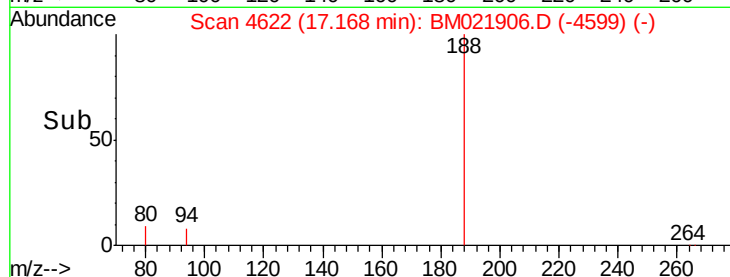
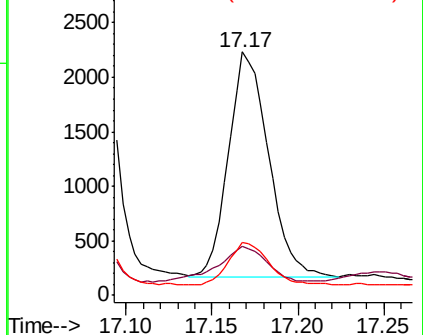
176 21.5 16.6 25.0



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: 2.650 ng/ul

RT: 19.10 min Scan# 5163

Delta R.T. -0.01 min

Lab File: BM021906.D

Acq: 07 Aug 2019 21:19

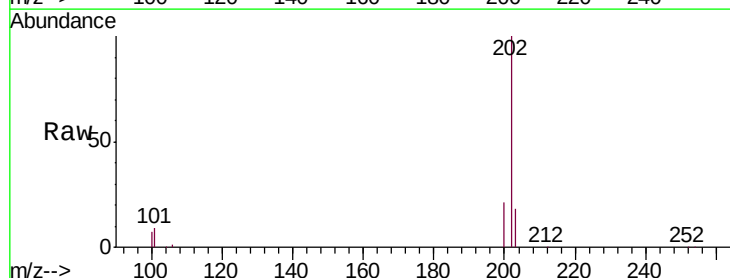
Tgt Ion:202 Resp: 41729

Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.2

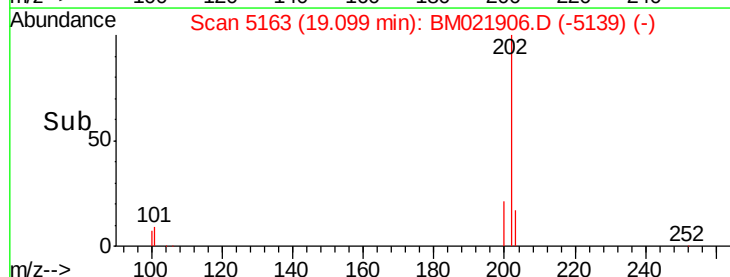
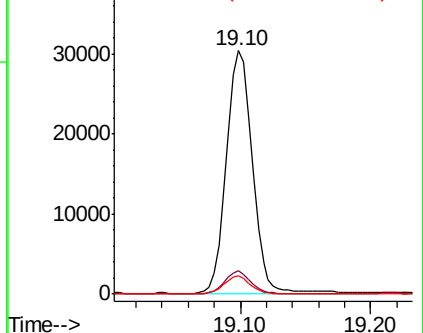
100 7.4 0.0 28.1

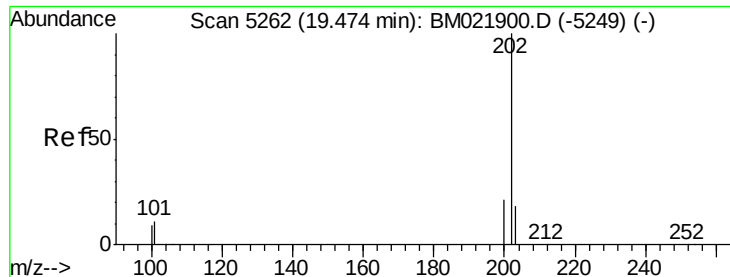


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

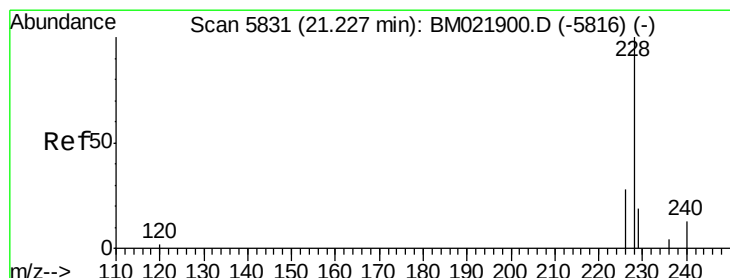
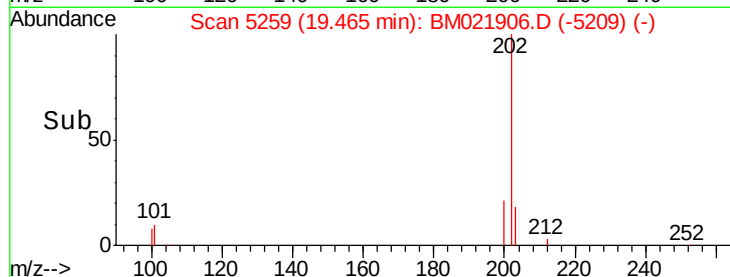
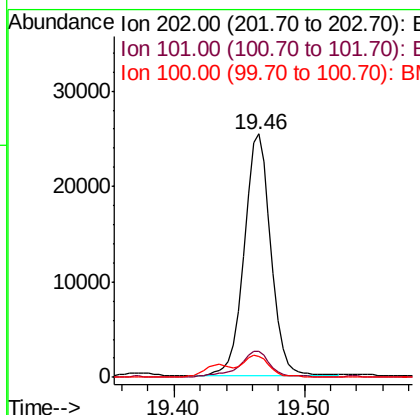
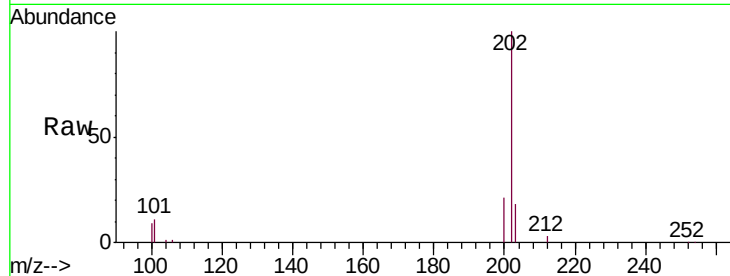




#17
 Pyrene
 Concen: 2.117 ng/ul
 RT: 19.46 min Scan# 5259
 Delta R.T. -0.01 min
 Lab File: BM021906.D
 Acq: 07 Aug 2019 21:19

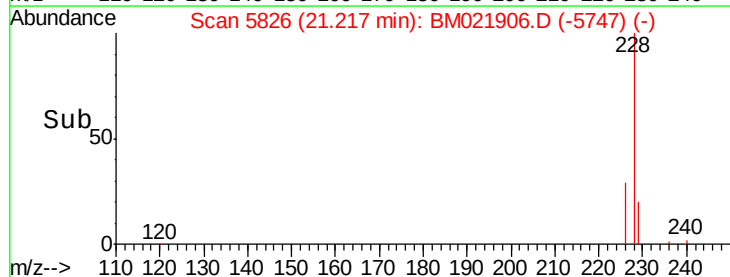
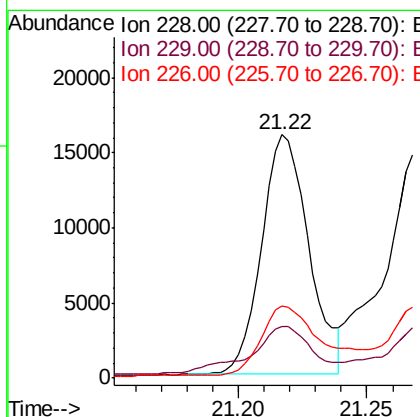
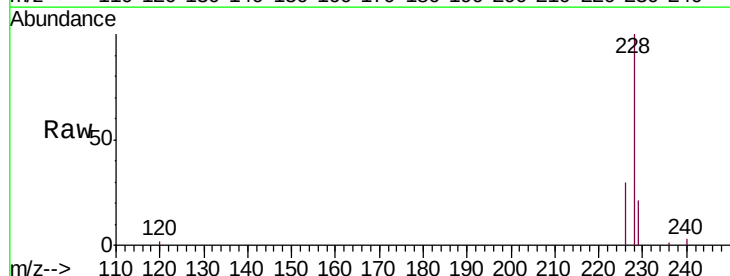
Instrument :
 BNA_M
 ClientSampleId :
 BEP15DL

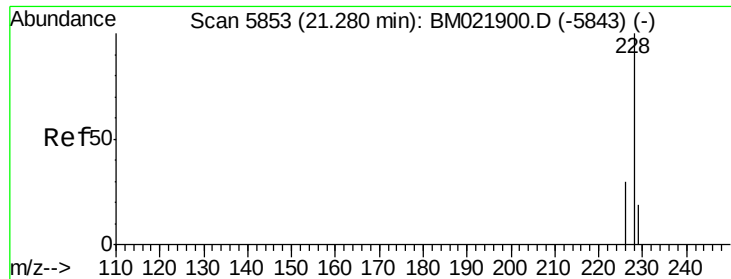
Tgt Ion:202 Resp: 36003
 Ion Ratio Lower Upper
 202 100
 101 10.7 8.3 12.5
 100 8.7 7.2 10.8



#18
 Benzo(a)anthracene
 Concen: 1.384 ng/ul
 RT: 21.22 min Scan# 5826
 Delta R.T. -0.01 min
 Lab File: BM021906.D
 Acq: 07 Aug 2019 21:19

Tgt Ion:228 Resp: 20478
 Ion Ratio Lower Upper
 228 100
 229 21.4 17.2 25.8
 226 29.5 22.6 34.0





#19

Chrysene

Concen: 1.288 ng/ul

RT: 21.27 min Scan# 5848

Delta R.T. -0.01 min

Lab File: BM021906.D

Acq: 07 Aug 2019 21:19

Instrument :

BNA_M

ClientSampleId :

BEP15DL

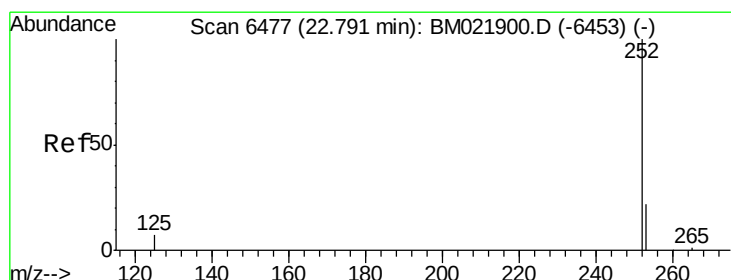
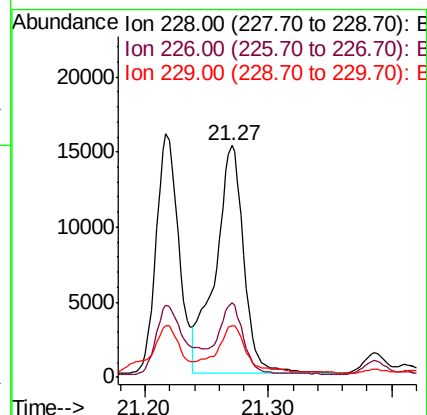
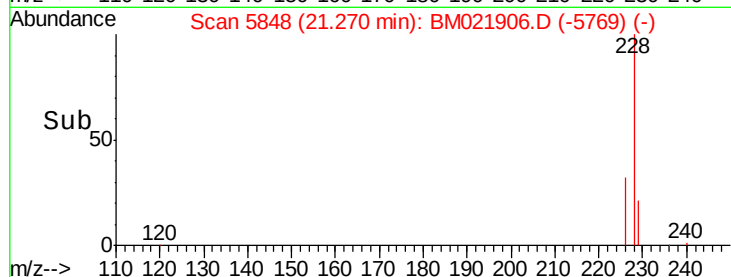
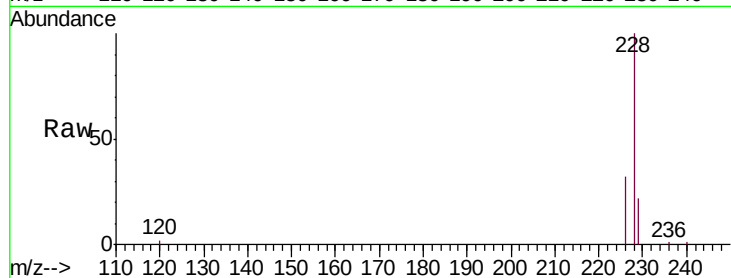
Tgt Ion:228 Resp: 24520

Ion Ratio Lower Upper

228 100

226 32.1 24.9 37.3

229 22.4 16.6 25.0



#21

Benzo(b)fluoranthene

Concen: 2.613 ng/ul

RT: 22.78 min Scan# 6473

Delta R.T. -0.01 min

Lab File: BM021906.D

Acq: 07 Aug 2019 21:19

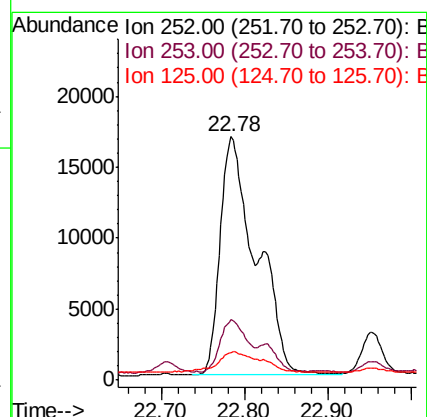
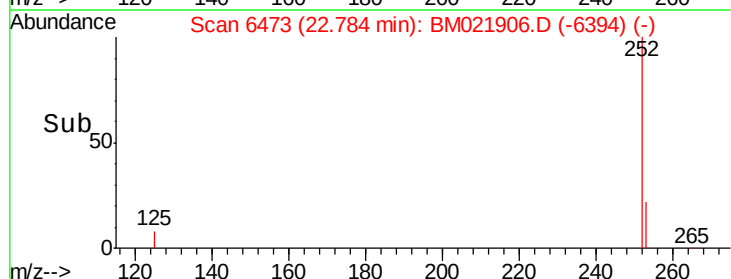
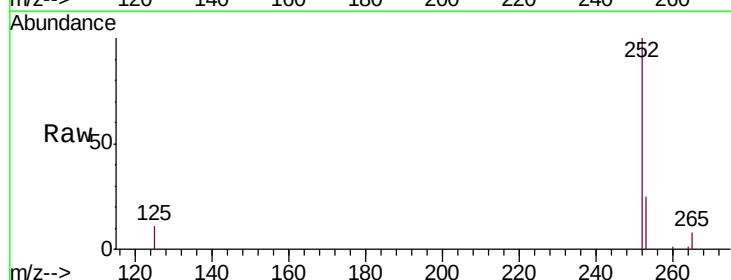
Tgt Ion:252 Resp: 50820

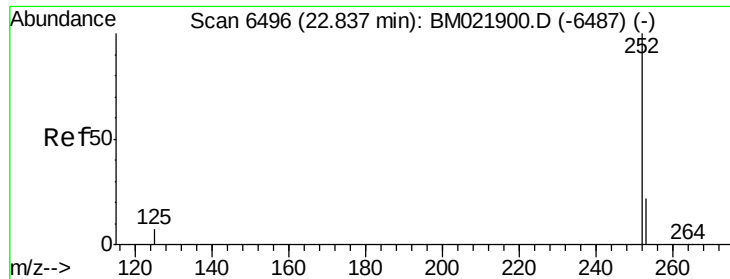
Ion Ratio Lower Upper

252 100

253 24.8 0.0 67.4

125 11.3 0.0 31.0

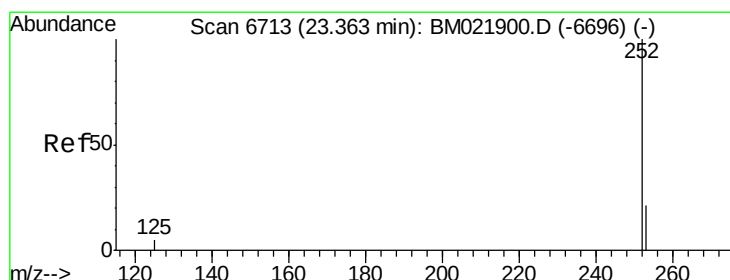
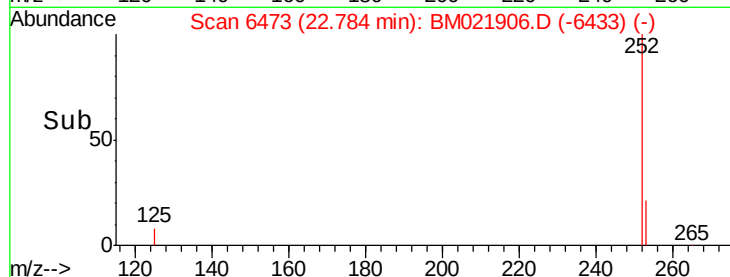
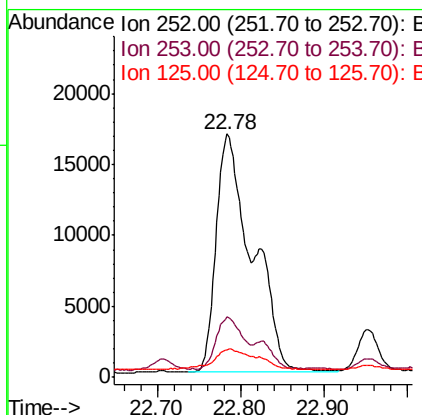
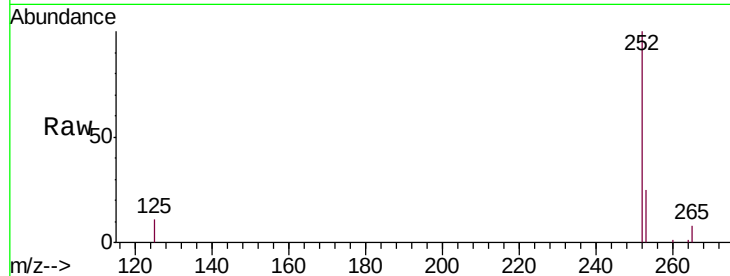




#22
Benzo(k)fluoranthene
Concen: 2.309 ng/ul
RT: 22.78 min Scan# 6473
Delta R.T. -0.05 min
Lab File: BM021906.D
Acq: 07 Aug 2019 21:19

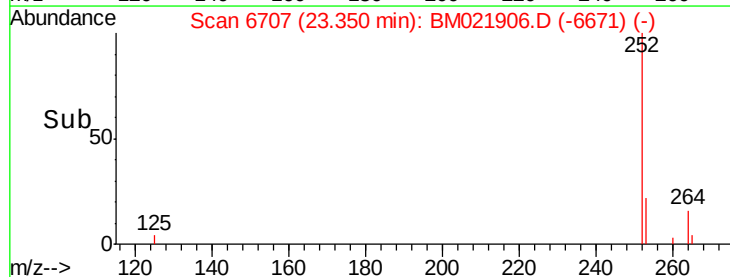
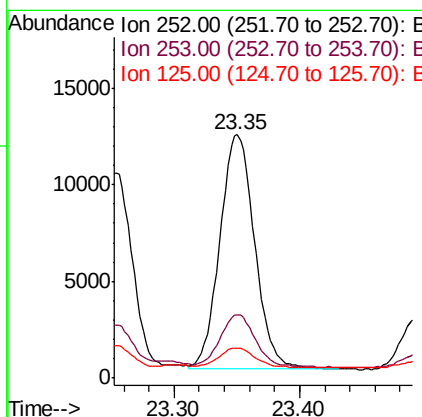
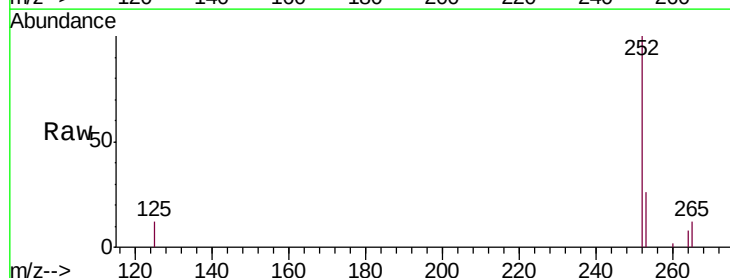
Instrument :
BNA_M
ClientSampleId :
BEP15DL

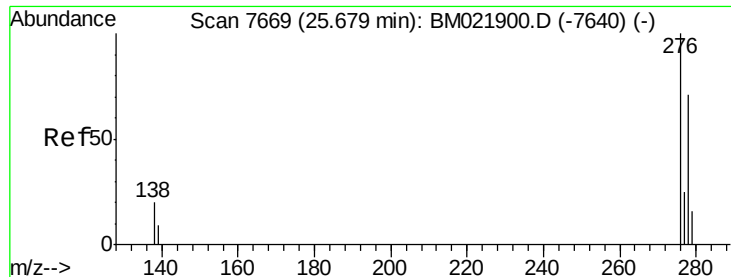
Tgt Ion:252 Resp: 50820
Ion Ratio Lower Upper
252 100
253 24.8 27.0 40.4#
125 11.3 12.2 18.2#



#23
Benzo(a)pyrene
Concen: 1.187 ng/ul
RT: 23.35 min Scan# 6707
Delta R.T. -0.01 min
Lab File: BM021906.D
Acq: 07 Aug 2019 21:19

Tgt Ion:252 Resp: 23477
Ion Ratio Lower Upper
252 100
253 25.8 31.7 47.5#
125 12.3 14.6 21.8#



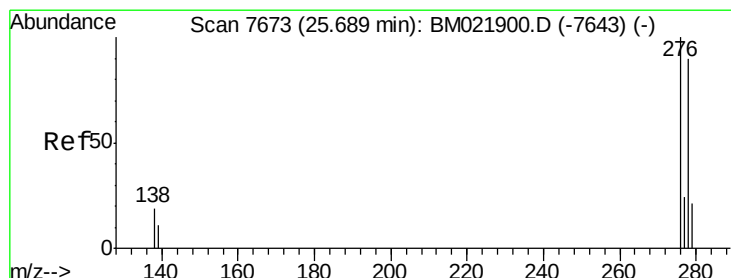
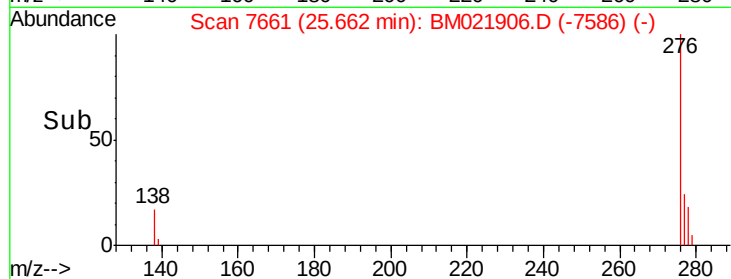
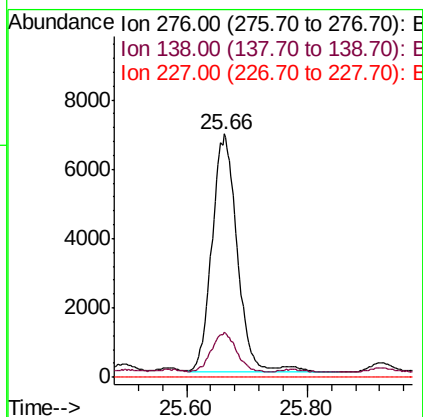
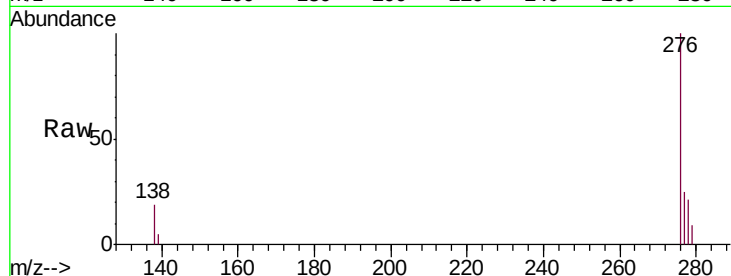


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.848 ng/ul
RT: 25.66 min Scan# 7661
Delta R.T. -0.02 min
Lab File: BM021906.D
Acq: 07 Aug 2019 21:19

Instrument :
BNA_M
ClientSampleId :
BEP15DL

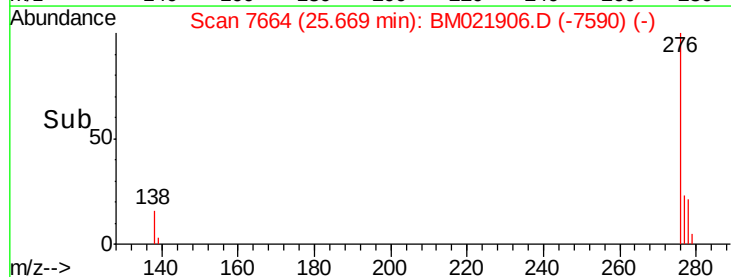
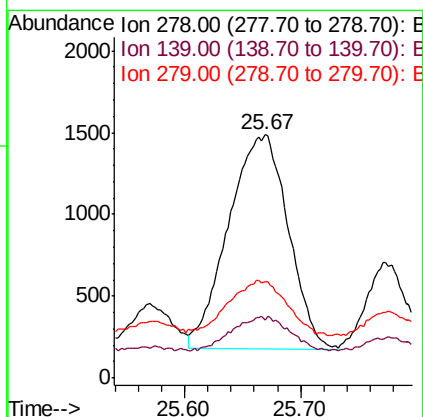
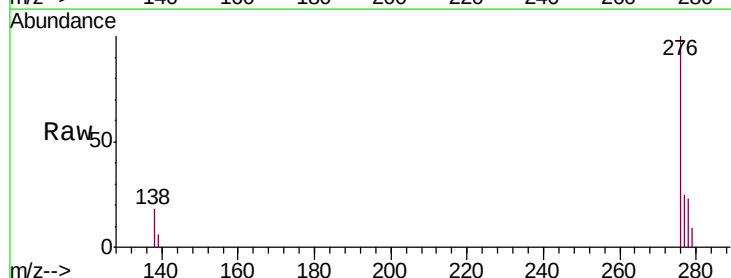
Tgt Ion:276 Resp: 20030
Ion Ratio Lower Upper
276 100
138 15.9 15.1 22.7
227 0.0 0.0 0.0

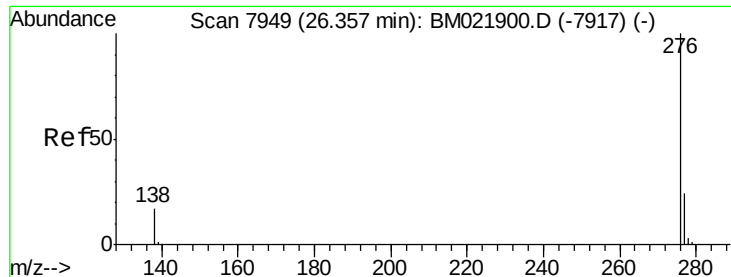


#25

Dibenzo(a,h)anthracene
Concen: 0.244 ng/ul
RT: 25.67 min Scan# 7664
Delta R.T. -0.02 min
Lab File: BM021906.D
Acq: 07 Aug 2019 21:19

Tgt Ion:278 Resp: 4661
Ion Ratio Lower Upper
278 100
139 24.0 14.2 21.2#
279 39.6 28.3 42.5





#26

Benzo(g,h,i)perylene

Concen: 0.816 ng/ul

RT: 26.34 min Scan# 7941

Delta R.T. -0.02 min

Lab File: BM021906.D

Acq: 07 Aug 2019 21:19

Instrument :

BNA_M

ClientSampleId :

BEP15DL

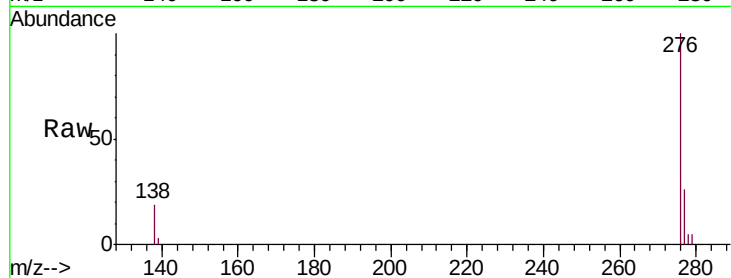
Tgt Ion: 276 Resp: 17341

Ion Ratio Lower Upper

276 100

138 18.9 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

