

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
 Data File : BM021942.D
 Acq On : 08 Aug 2019 20:33
 Operator : HP/JU
 Sample : K4028-13DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 09 04:00:57 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 09 01:29:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	918	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	3973	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	2183	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	4765	0.40	ng/ul	-0.01
16) Chrysene-d12	21.24	240	4600	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	6169	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.03	152	201	0.03	ng/ul	0.01
14) Fluoranthene-d10	19.07	212	522	0.03	ng/ul	0.00

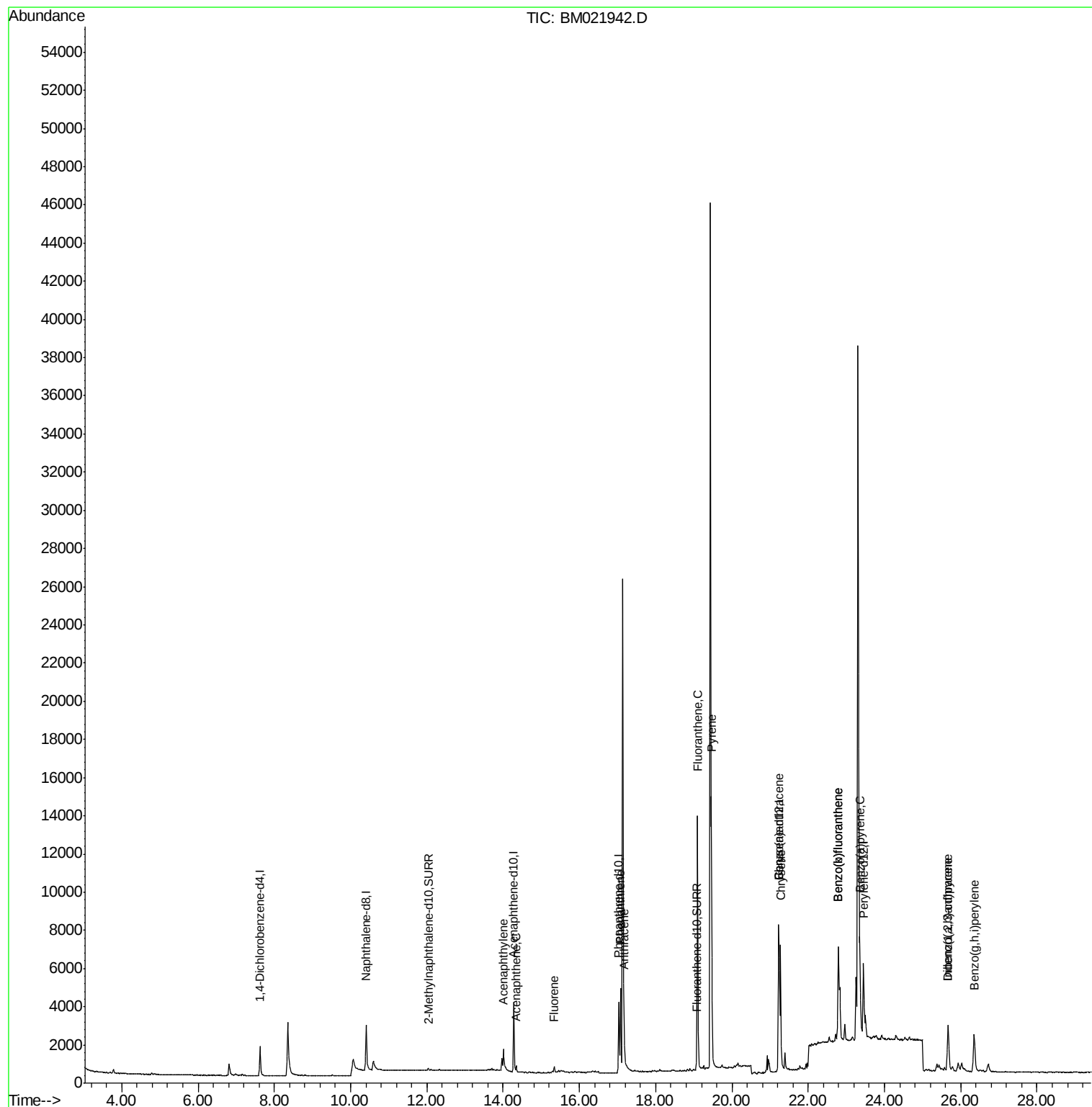
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
7) Acenaphthylene	14.00	152	441	0.043	ng/ul#	71
8) Acenaphthene	14.34	153	220	0.026	ng/ul#	93
9) Fluorene	15.34	166	238	0.026	ng/ul#	90
12) Phenanthrene	17.07	178	4888	0.353	ng/ul	99
13) Anthracene	17.17	178	998	0.084	ng/ul#	86
15) Fluoranthene	19.10	202	12304	0.662	ng/ul	99
17) Pyrene	19.46	202	12256	0.648	ng/ul	98
18) Benzo(a)anthracene	21.22	228	6523	0.396	ng/ul	98
19) Chrysene	21.27	228	6261	0.296	ng/ul	97
21) Benzo(b)fluoranthene	22.79	252	11972	0.575	ng/ul	95
22) Benzo(k)fluoranthene	22.79	252	11972	0.509	ng/ul	95
23) Benzo(a)pyrene	23.35	252	5992	0.283	ng/ul	91
24) Indeno(1,2,3-cd)pyrene	25.67	276	4271	0.169	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.67	278	991	0.049	ng/ul#	53
26) Benzo(g,h,i)perylene	26.35	276	4244	0.187	ng/ul#	94

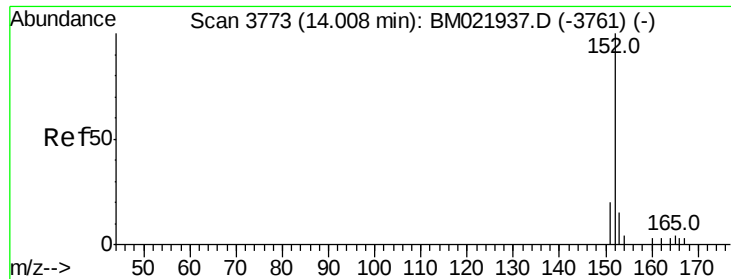
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 09 01:29:50 2019
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#7

Acenaphthylene

Concen: 0.043 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. -0.01 min

Lab File: BM021942.D

Acq: 08 Aug 2019 20:33

Instrument :

BNA_M

ClientSampleId :

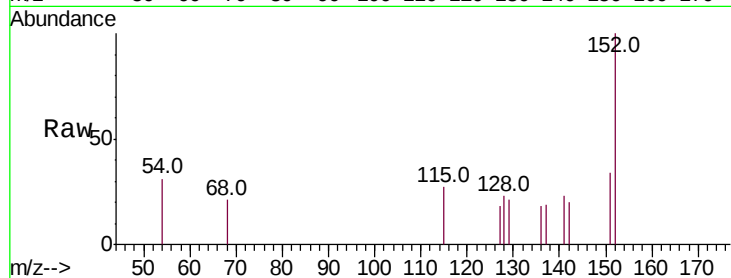
Tot Ion:152 Resp: 441

Ion Ratio Lower Upper

152 100

151 33.8 18.3 27.5#

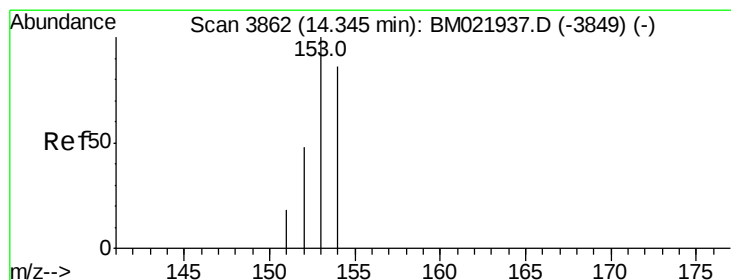
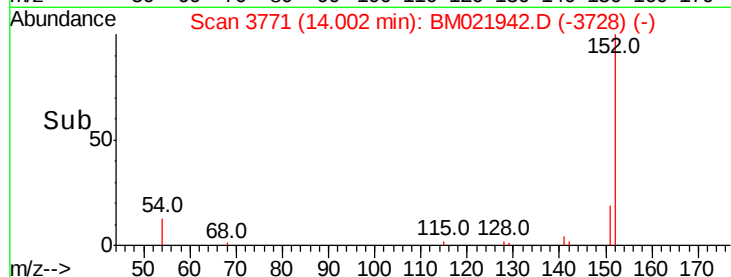
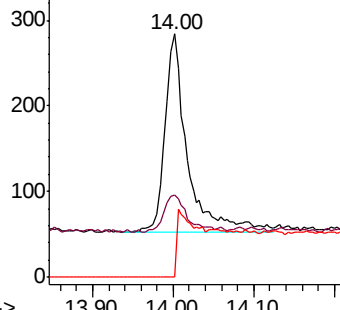
153 0.0 12.8 19.2#



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: 0.026 ng/ul

RT: 14.34 min Scan# 3860

Delta R.T. -0.01 min

Lab File: BM021942.D

Acq: 08 Aug 2019 20:33

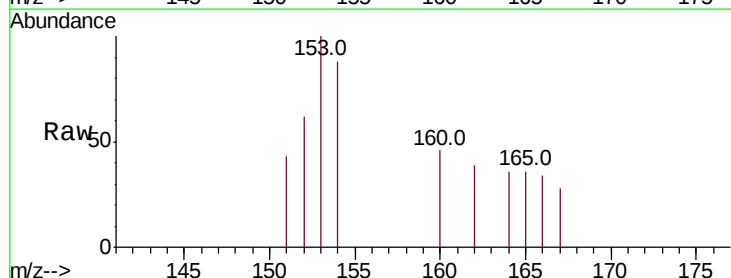
Tgt Ion:153 Resp: 220

Ion Ratio Lower Upper

153 100

152 62.2 41.3 61.9#

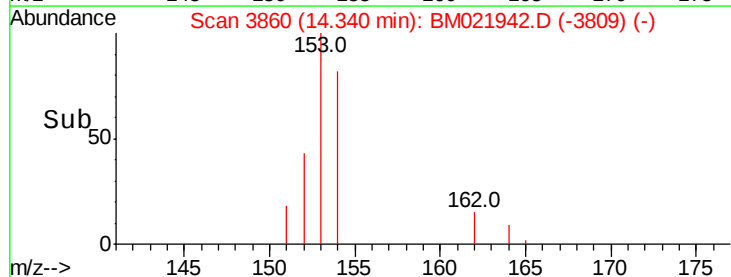
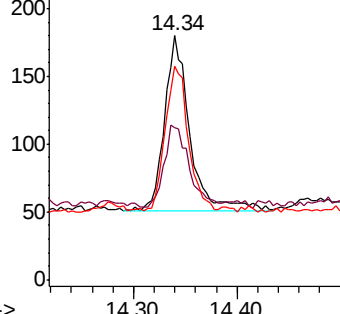
154 87.8 72.3 108.5

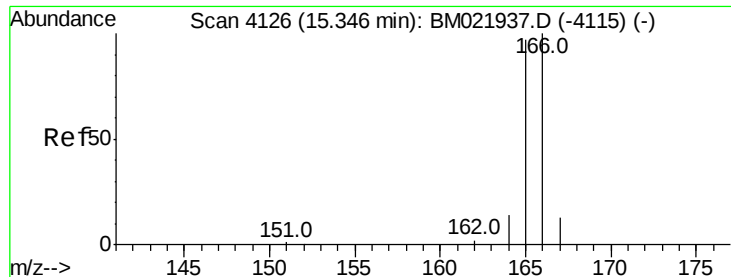


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.026 ng/ul

RT: 15.34 min Scan# 4124

Delta R.T. -0.01 min

Lab File: BM021942.D

Acq: 08 Aug 2019 20:33

Instrument :

BNA_M

ClientSampleId :

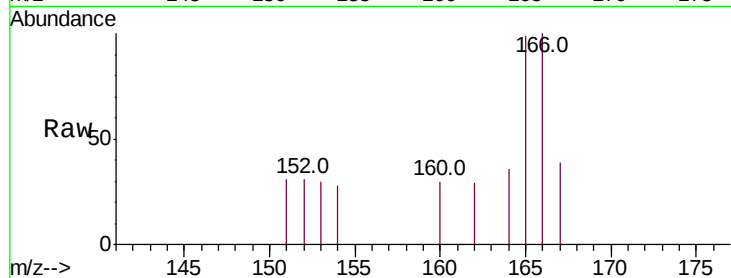
Tot Ion:166 Resp: 238

Ion Ratio Lower Upper

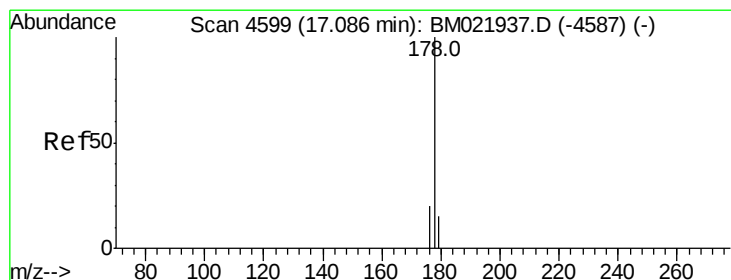
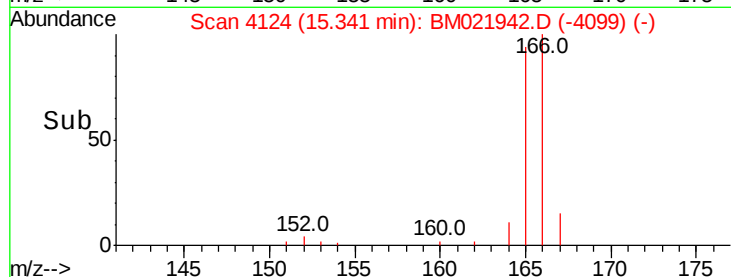
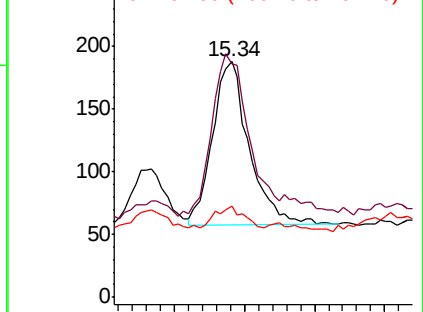
166 100

165 98.9 81.4 122.0

167 38.8 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: 0.353 ng/ul

RT: 17.07 min Scan# 4595

Delta R.T. -0.01 min

Lab File: BM021942.D

Acq: 08 Aug 2019 20:33

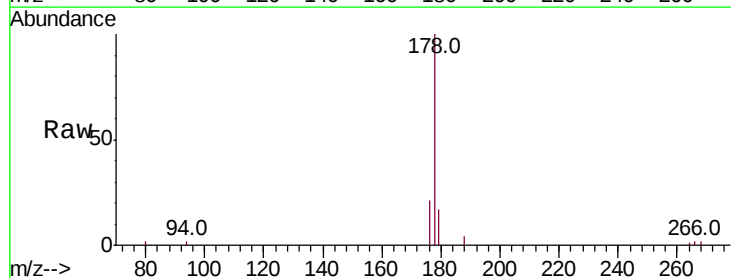
Tgt Ion:178 Resp: 4888

Ion Ratio Lower Upper

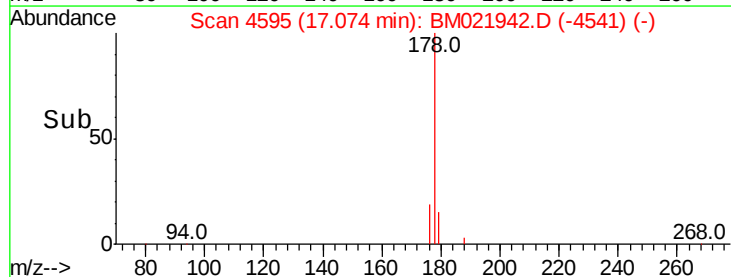
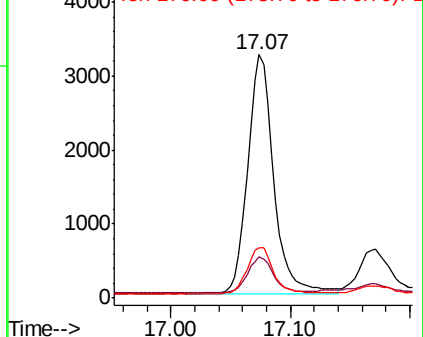
178 100

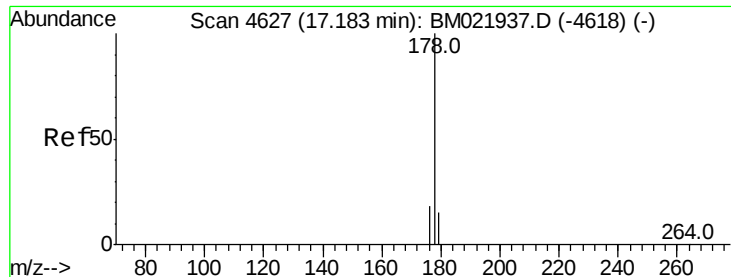
179 17.1 14.2 21.2

176 20.8 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: 0.084 ng/ul

RT: 17.17 min Scan# 4623

Delta R.T. -0.01 min

Lab File: BM021942.D

Acq: 08 Aug 2019 20:33

Instrument :

BNA_M

ClientSampleId :

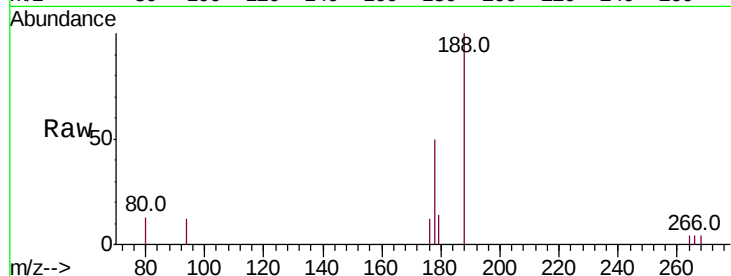
Tot Ion:178 Resp: 998

Ion Ratio Lower Upper

178 100

179 28.5 15.5 23.3#

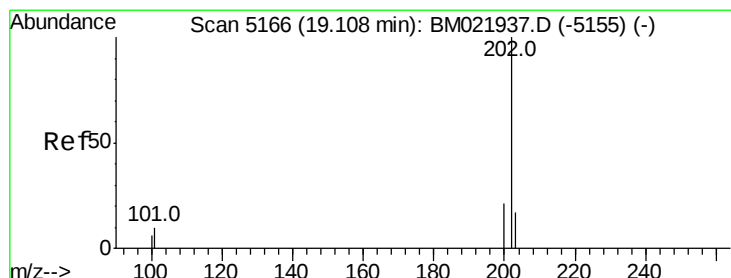
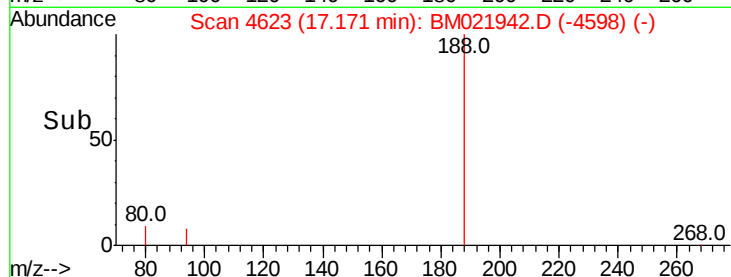
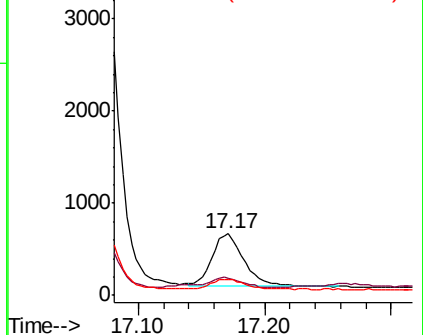
176 24.9 16.6 25.0



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: 0.662 ng/ul

RT: 19.10 min Scan# 5163

Delta R.T. -0.01 min

Lab File: BM021942.D

Acq: 08 Aug 2019 20:33

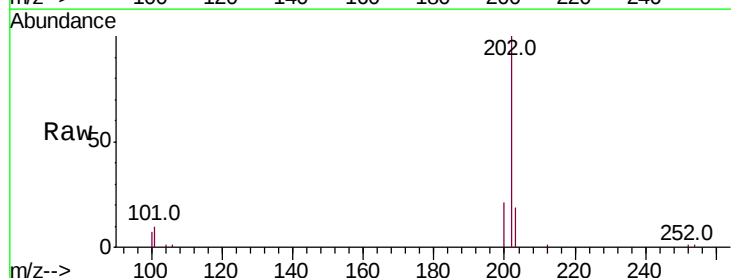
Tgt Ion:202 Resp: 12304

Ion Ratio Lower Upper

202 100

101 10.1 0.0 30.2

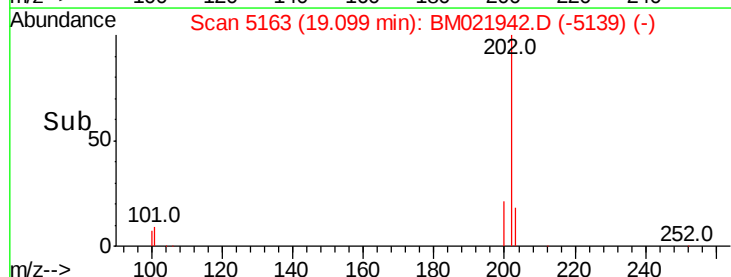
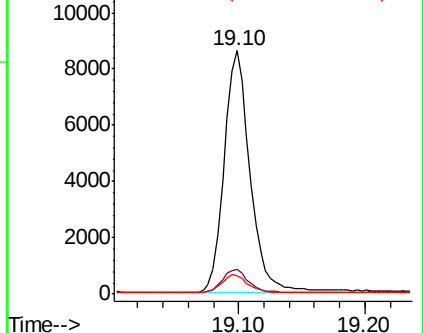
100 7.4 0.0 28.1

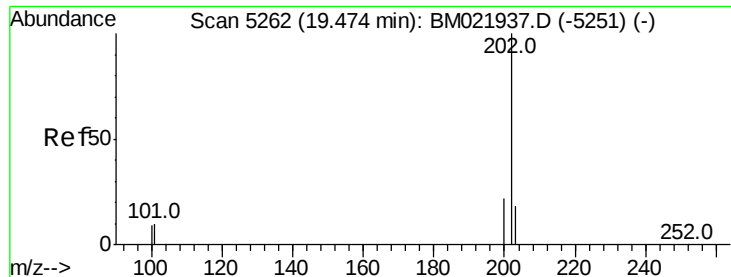


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

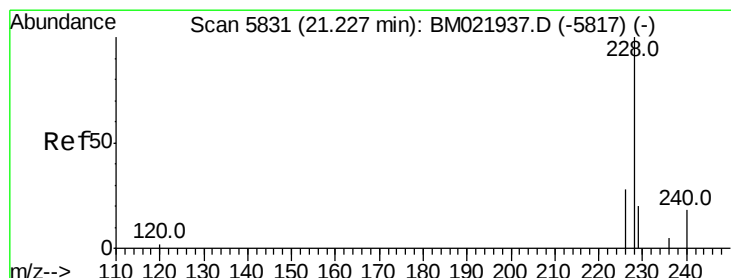
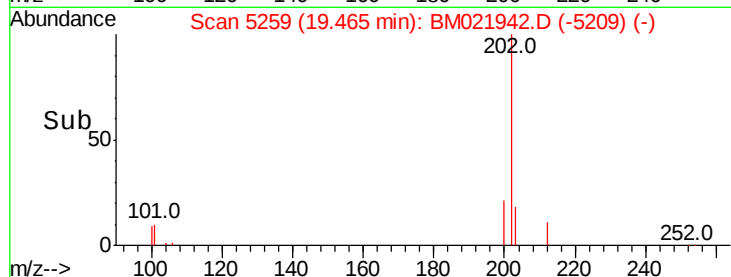
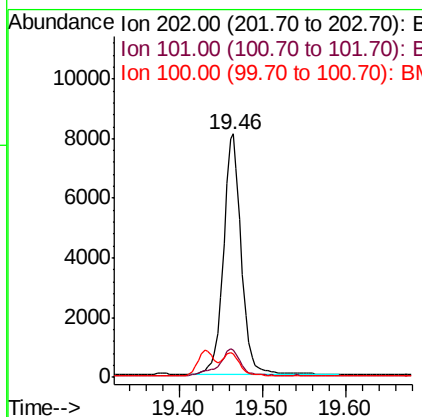
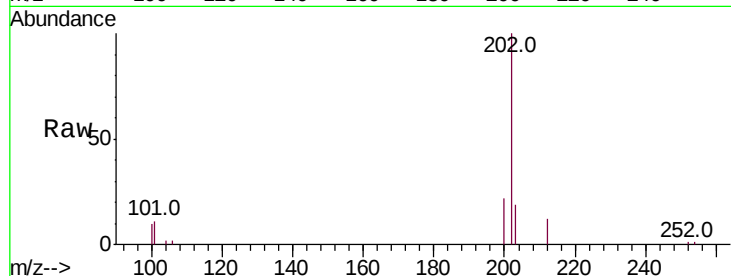




#17
Pvrene
Concen: 0.648 ng/ul
RT: 19.46 min Scan# 5259
Delta R.T. -0.01 min
Lab File: BM021942.D
Acq: 08 Aug 2019 20:33

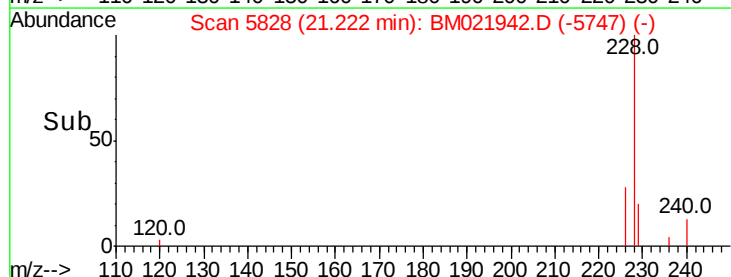
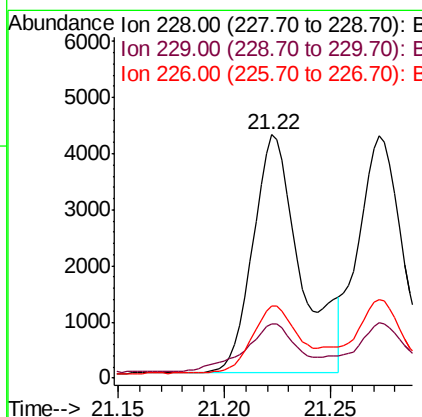
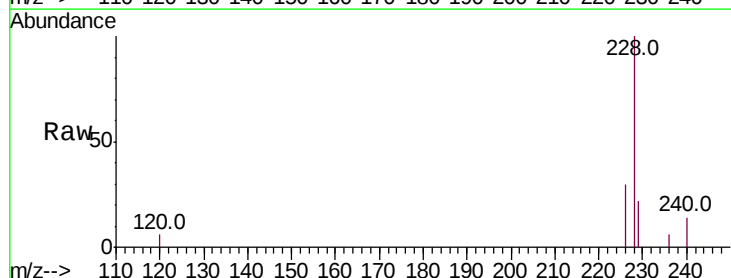
Instrument :
BNA_M
ClientSampled :

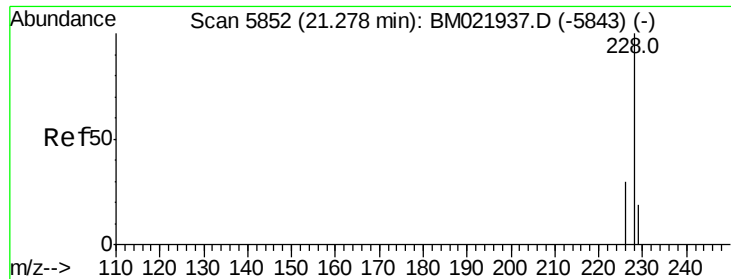
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.3	12.5
100	9.5	7.2	10.8



#18
Benzo(a)anthracene
Concen: 0.396 ng/ul
RT: 21.22 min Scan# 5828
Delta R.T. -0.00 min
Lab File: BM021942.D
Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.0	17.2	25.8
226	29.6	22.6	34.0





#19

Chrysene

Concen: 0.296 ng/ul

RT: 21.27 min Scan# 5849

Delta R.T. -0.00 min

Lab File: BM021942.D

Acq: 08 Aug 2019 20:33

Instrument :

BNA_M

ClientSampleId :

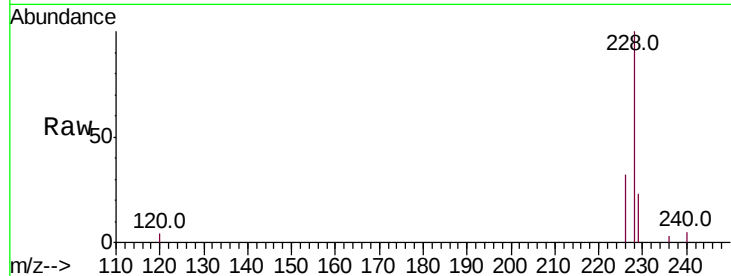
Tot Ion:228 Resp: 6261

Ion Ratio Lower Upper

228 100

226 32.1 24.9 37.3

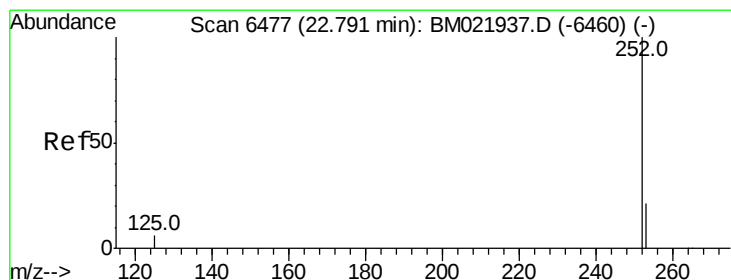
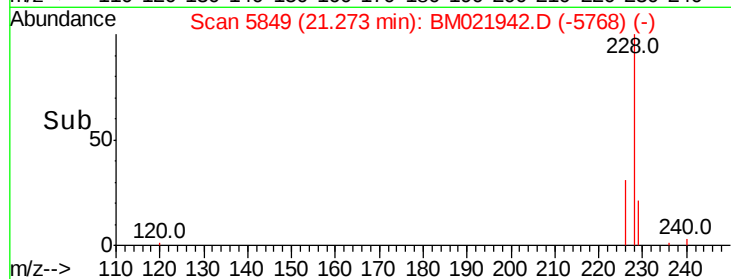
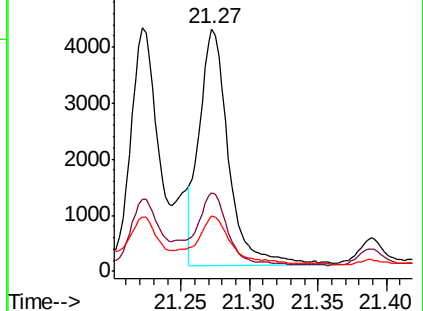
229 22.6 16.6 25.0



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: 0.575 ng/ul

RT: 22.79 min Scan# 6475

Delta R.T. -0.00 min

Lab File: BM021942.D

Acq: 08 Aug 2019 20:33

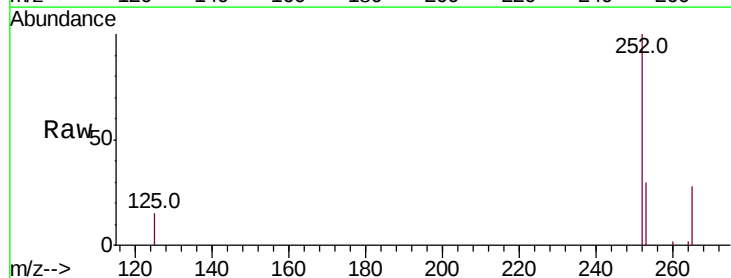
Tgt Ion:252 Resp: 11972

Ion Ratio Lower Upper

252 100

253 29.9 0.0 67.4

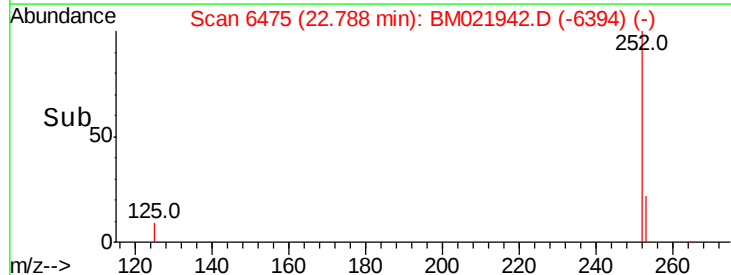
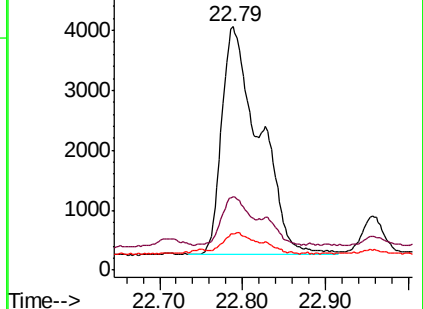
125 14.7 0.0 31.0

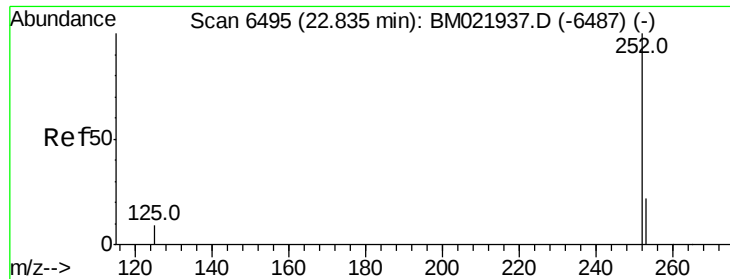


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

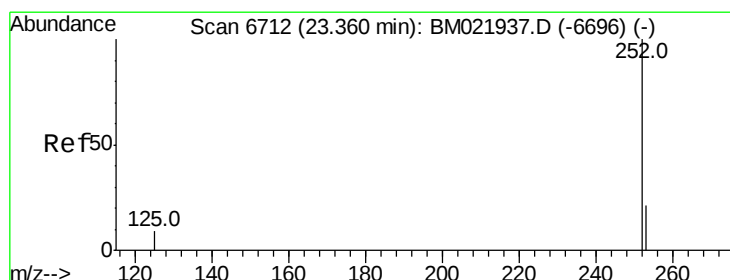
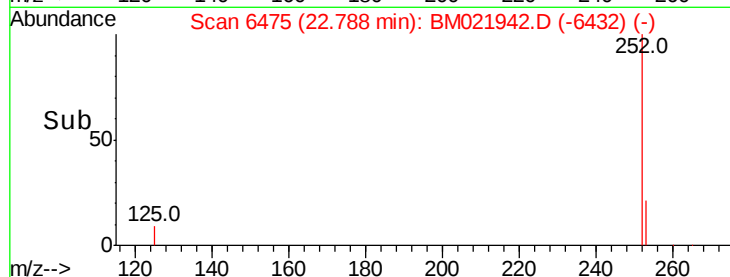
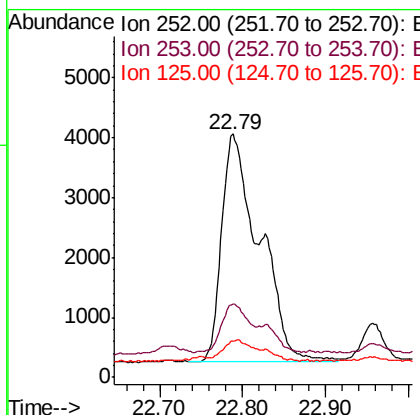
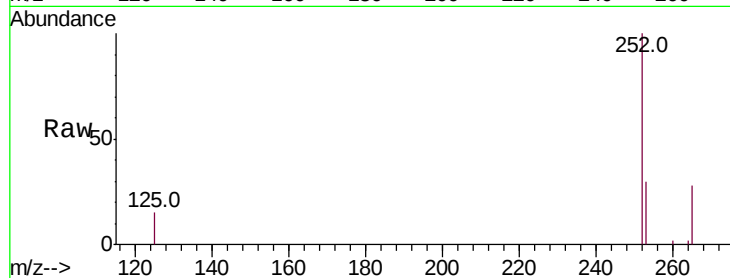




#22
Benzo(k)fluoranthene
Concen: 0.509 ng/u1
RT: 22.79 min Scan# 6475
Delta R.T. -0.05 min
Lab File: BM021942.D
Acq: 08 Aug 2019 20:33

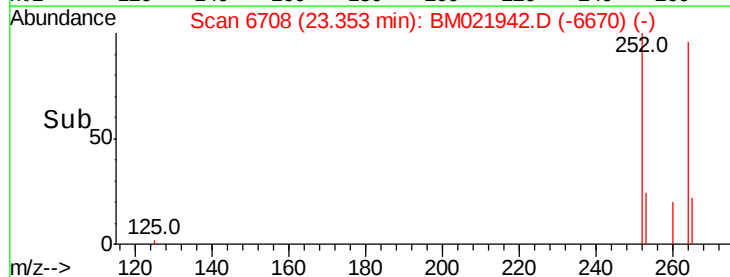
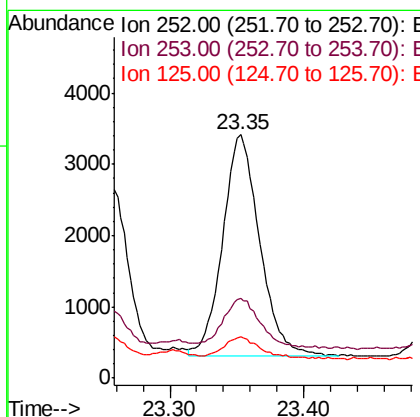
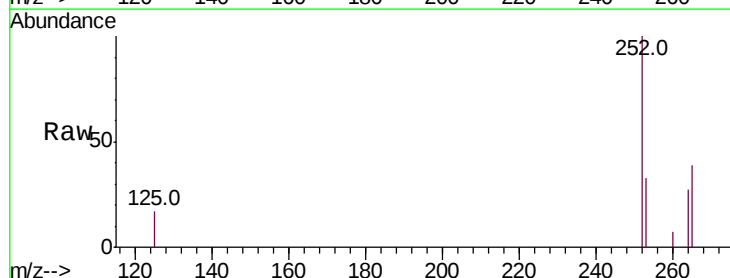
Instrument :
BNA_M
ClientSampleId :

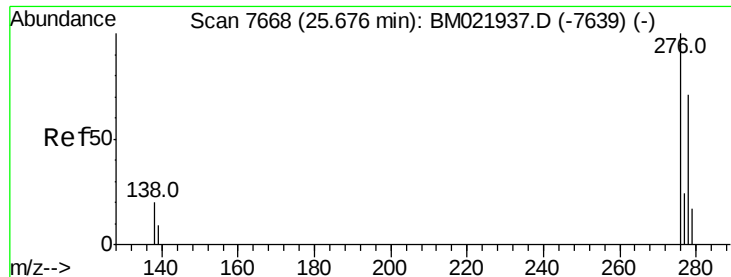
Tot Ion:252 Resp: 11972
Ion Ratio Lower Upper
252 100
253 29.9 27.0 40.4
125 14.7 12.2 18.2



#23
Benzo(a)pyrene
Concen: 0.283 ng/u1
RT: 23.35 min Scan# 6708
Delta R.T. -0.01 min
Lab File: BM021942.D
Acq: 08 Aug 2019 20:33

Tgt Ion:252 Resp: 5992
Ion Ratio Lower Upper
252 100
253 32.7 31.7 47.5
125 16.8 14.6 21.8



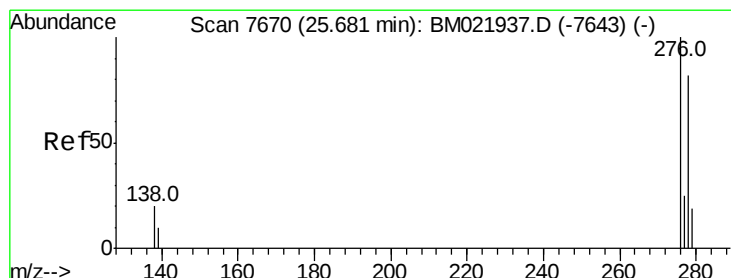
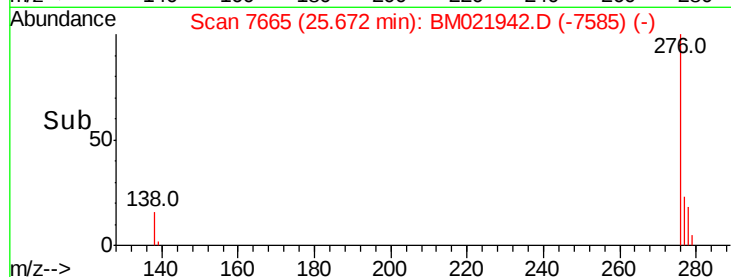
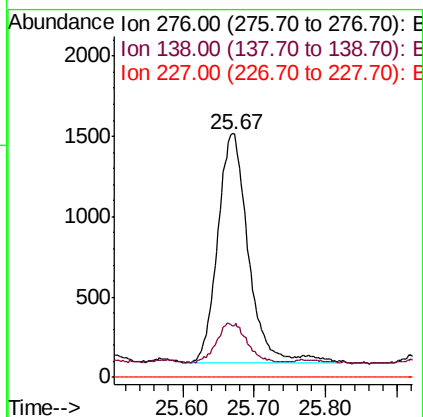
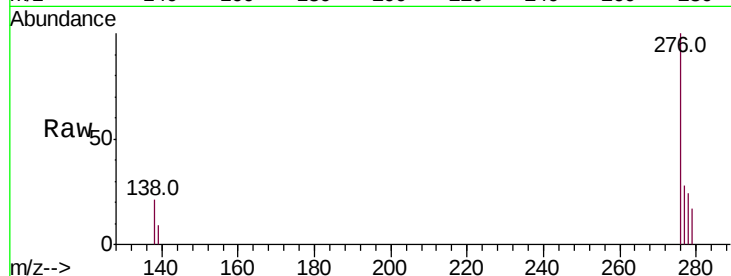


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.169 ng/u1
RT: 25.67 min Scan# 7665
Delta R.T. -0.00 min
Lab File: BM021942.D
Acq: 08 Aug 2019 20:33

Instrument :
BNA_M
ClientSampleId :

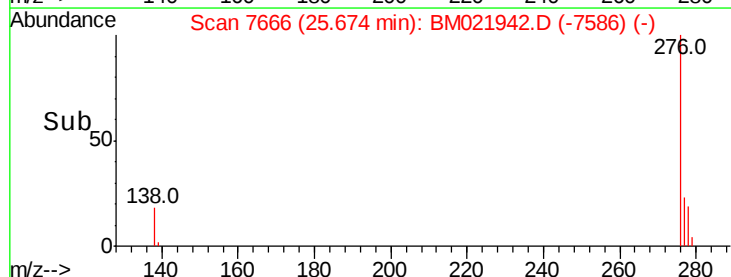
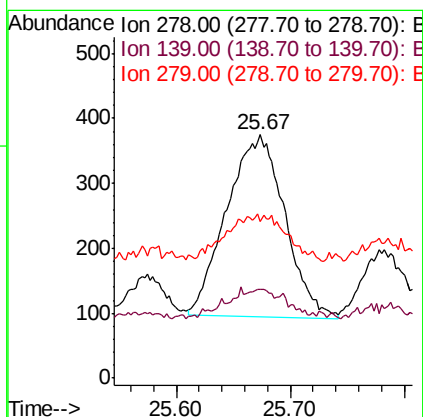
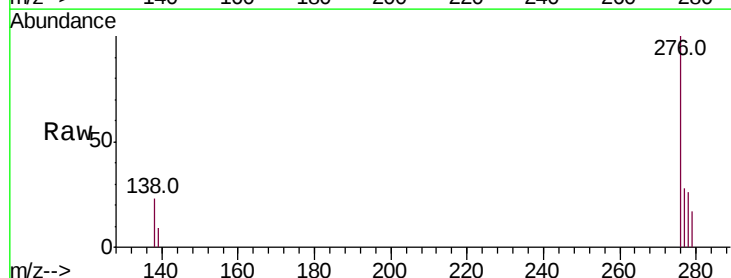
Tot Ion:276 Resp: 4271
Ion Ratio Lower Upper
276 100
138 17.1 15.1 22.7
227 0.0 0.0 0.0

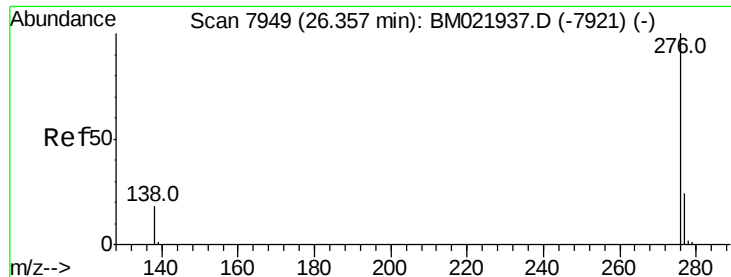


#25

Dibenzo(a,h)anthracene
Concen: 0.049 ng/u1
RT: 25.67 min Scan# 7666
Delta R.T. -0.01 min
Lab File: BM021942.D
Acq: 08 Aug 2019 20:33

Tgt Ion:278 Resp: 991
Ion Ratio Lower Upper
278 100
139 36.3 14.2 21.2#
279 64.3 28.3 42.5#





#26

Benzo(a,h,i)perylene

Concen: 0.187 ng/ul

RT: 26.35 min Scan# 7945

Delta R.T. -0.01 min

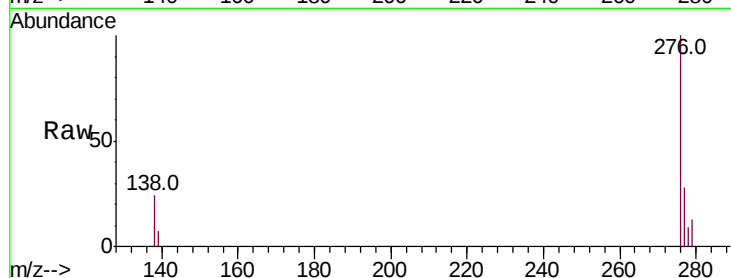
Lab File: BM021942.D

Acq: 08 Aug 2019 20:33

Instrument :

BNA_M

ClientSampleId :



Tot Ion:	276	Resp:	4244
Ion	Ratio	Lower	Upper
276	100		
138	24.4	15.5	23.3#
277	28.3	21.4	32.2

