

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 :
BENZ3DL

Quant Time: Aug 09 01:33:05 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						
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

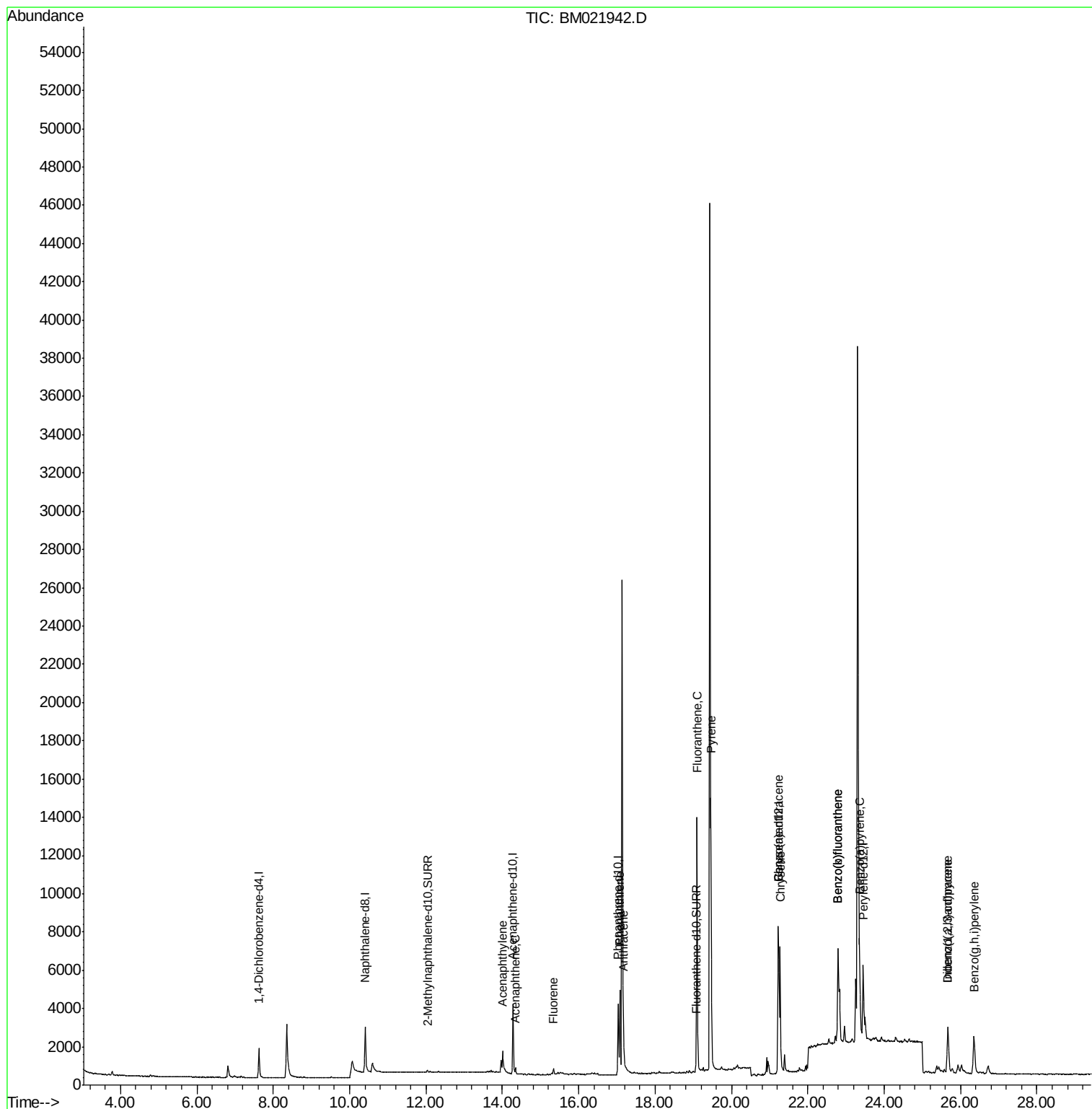
Target Compounds				Qvalue		
7) Acenaphthylene	14.00	152	441	0.043	ng/ul#	71
8) Acenaphthene	14.34	153	220	0.026	ng/ul#	93
9) Fluorene	15.34	166	238	0.026	ng/ul#	90
12) Phenanthrene	17.07	178	4888	0.353	ng/ul	99
13) Anthracene	17.17	178	998	0.084	ng/ul#	86
15) Fluoranthene	19.10	202	12304	0.662	ng/ul	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

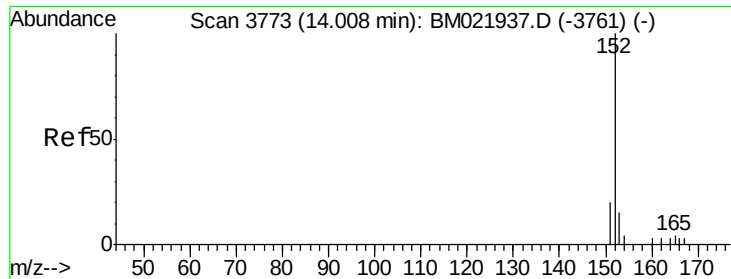
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 :
BENZ3DL

Quant Time: Aug 09 01:33:05 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





#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 :

BENZ3DL

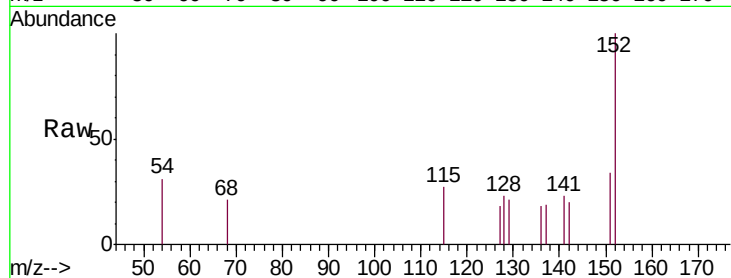
Tgt Ion:152 Resp: 441

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

300

200

100

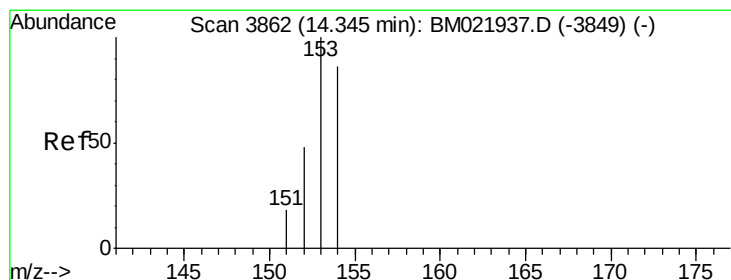
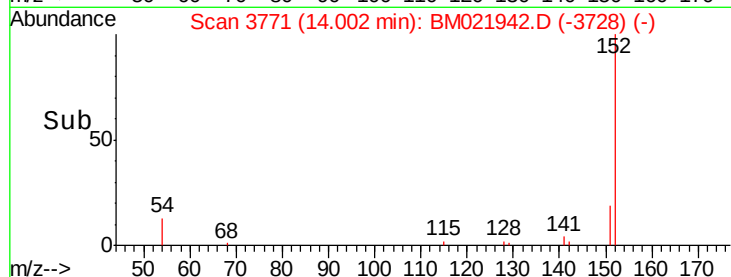
0

13.90

14.00

14.10

Time-->



#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

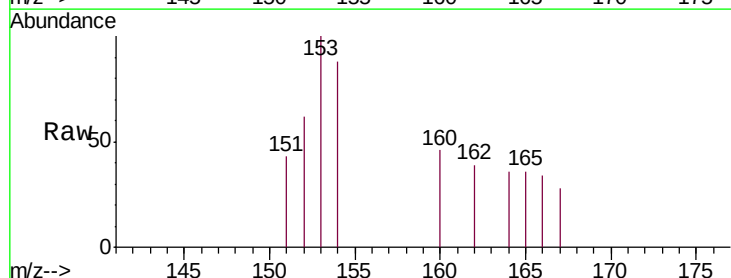
Tgt Ion:153 Resp: 220

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

250

200

150

100

50

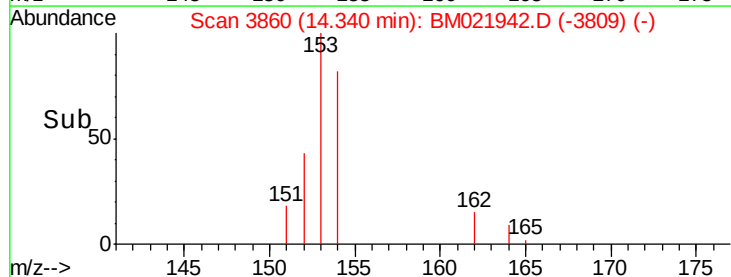
0

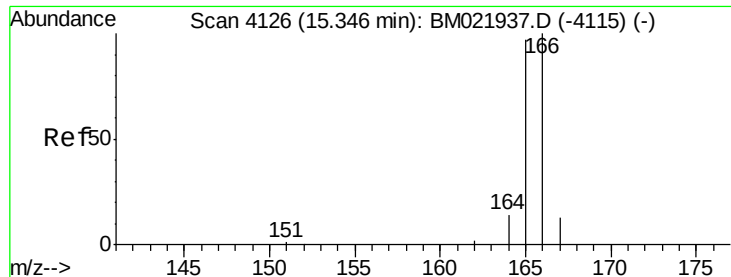
14.30

14.34

14.40

Time-->

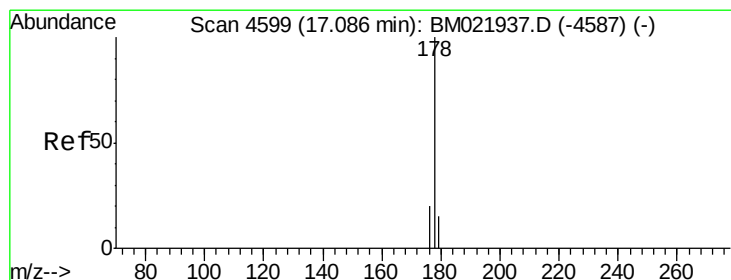
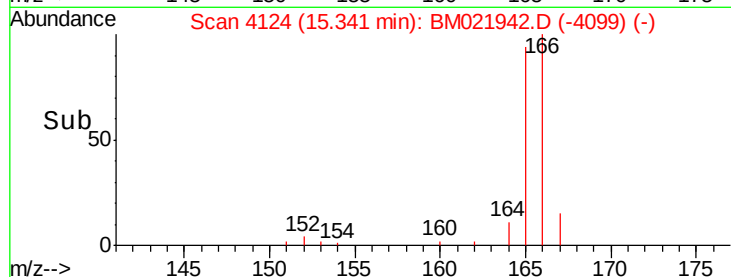
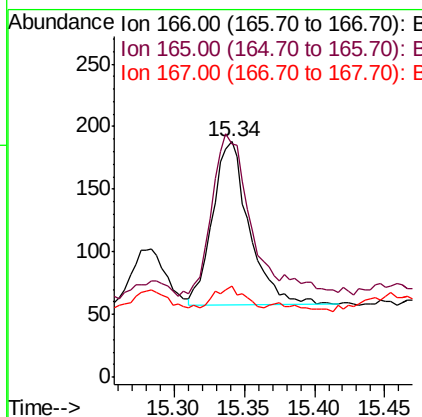
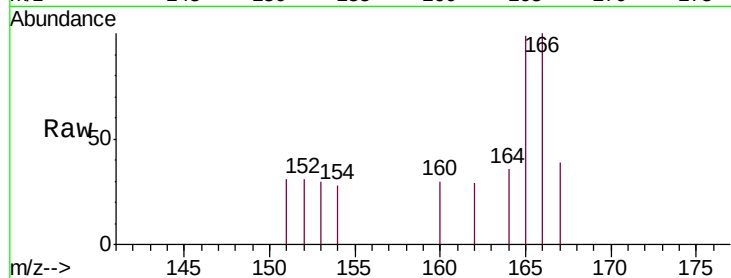




#9
Fluorene
 Concen: 0.026 ng/ul
 RT: 15.34 min Scan# 4124
 Delta R.T. -0.01 min
 Lab File: BM021942.D
 Acq: 08 Aug 2019 20:33

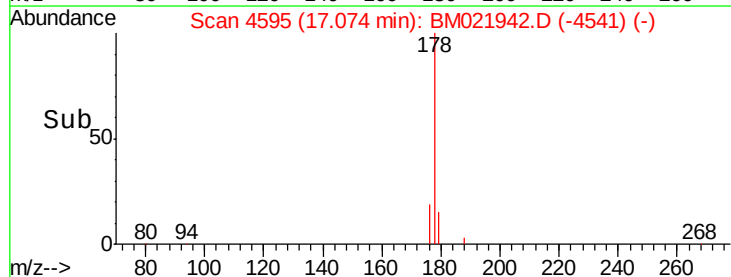
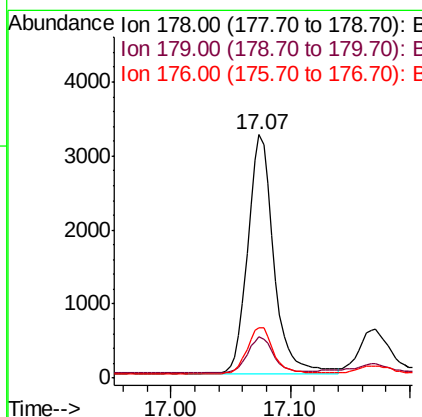
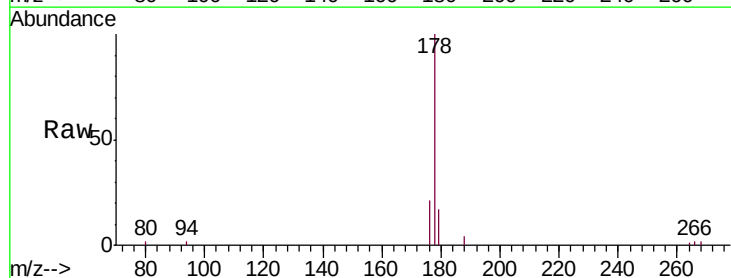
Instrument :
 BNA_M
 ClientSampleId :
 BENZ3DL

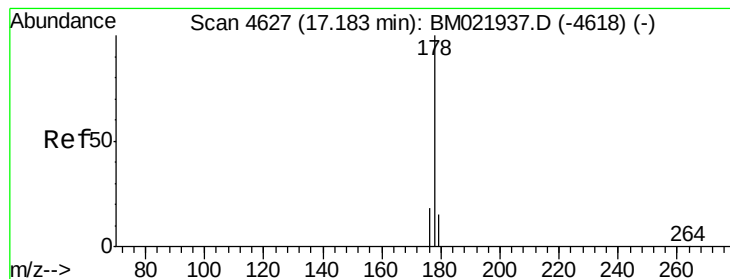
Tgt Ion:166 Resp: 238
 Ion Ratio Lower Upper
 166 100
 165 98.9 81.4 122.0
 167 38.8 13.7 20.5#



#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





#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 :

BENZ3DL

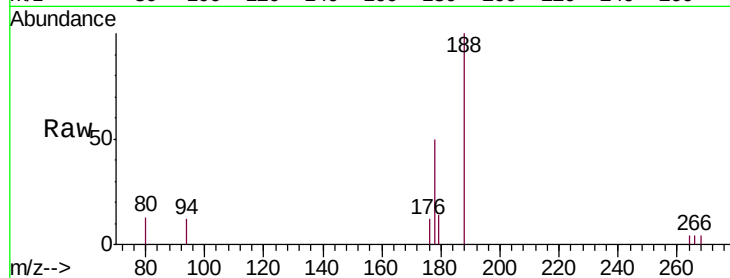
Tgt Ion:178 Resp: 998

Ion Ratio Lower Upper

178 100

179 28.5 15.5 23.3#

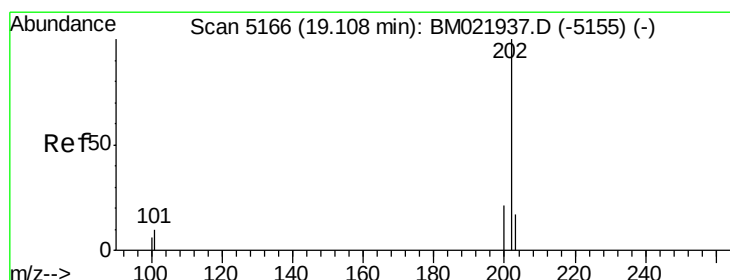
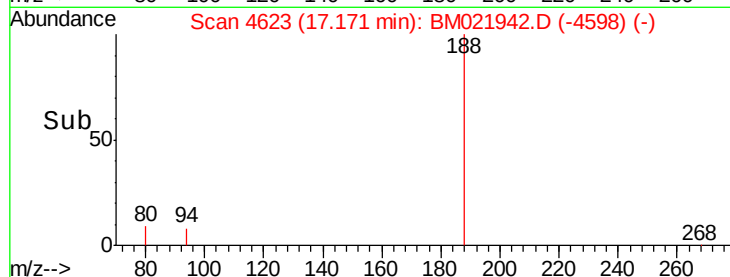
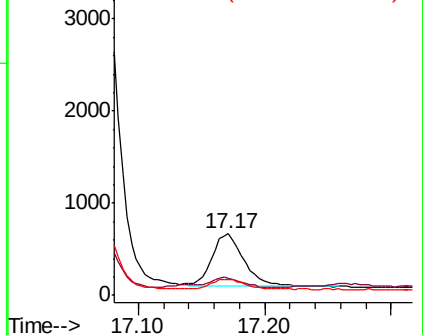
176 24.9 16.6 25.0



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

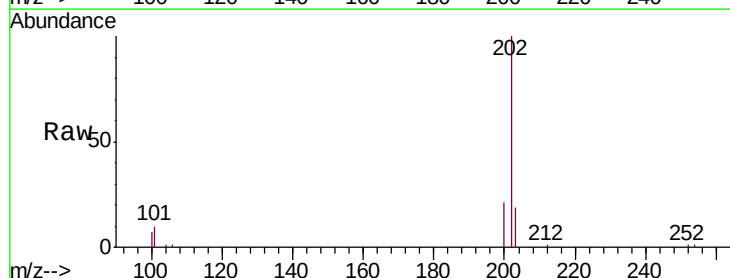
Tgt Ion:202 Resp: 12304

Ion Ratio Lower Upper

202 100

101 10.1 0.0 30.2

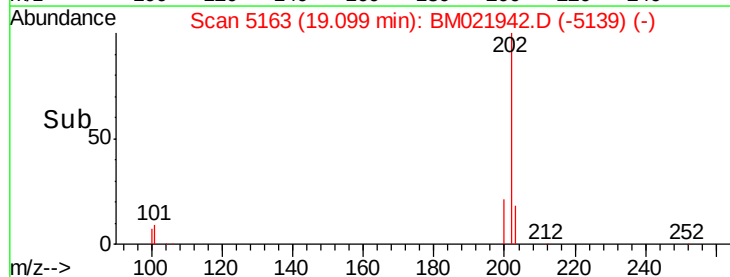
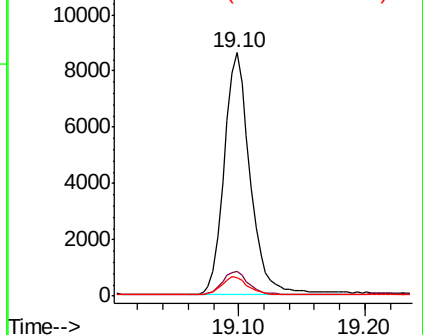
100 7.4 0.0 28.1

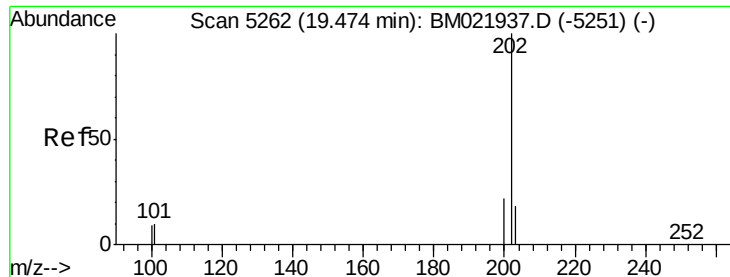


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

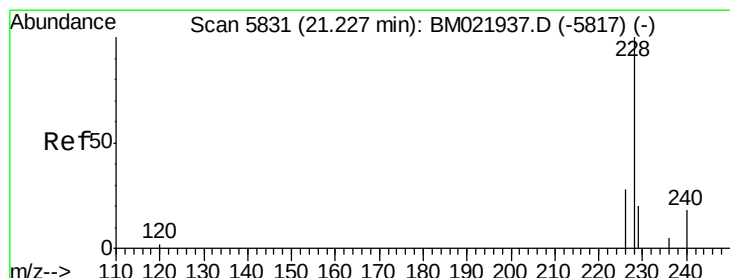
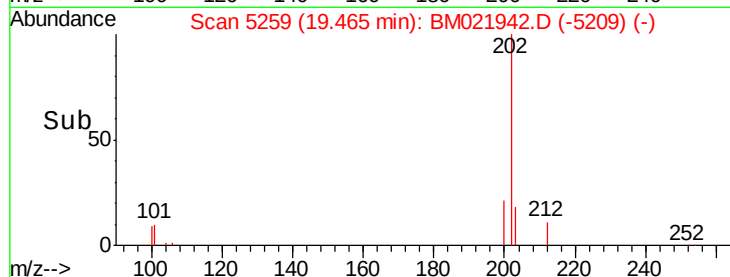
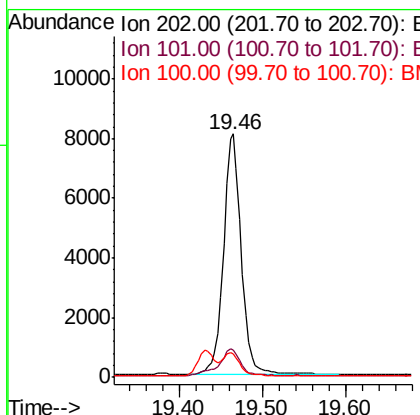
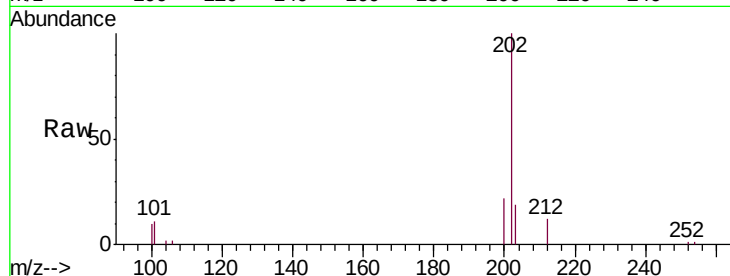




#17
Pyrene
Concen: 0.648 ng/ul
RT: 19.46 min Scan# 5259
Delta R.T. -0.01 min
Lab File: BM021942.D
Acq: 08 Aug 2019 20:33

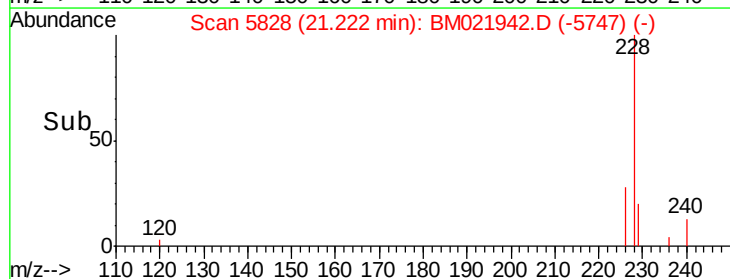
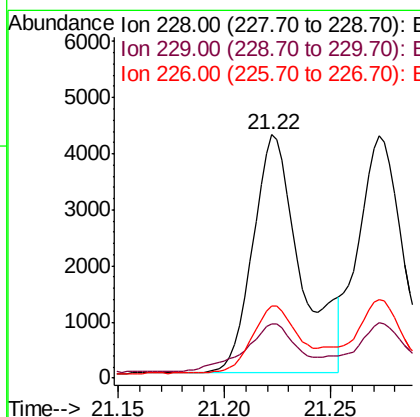
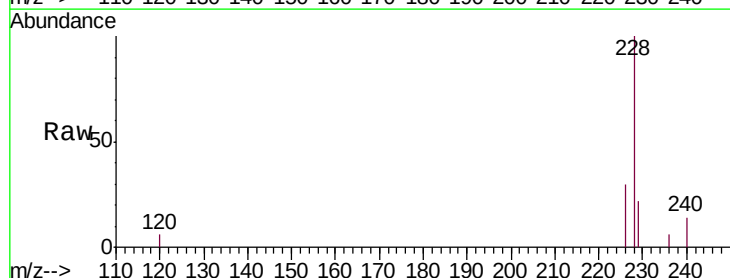
Instrument :
BNA_M
ClientSampleId :
BENZ3DL

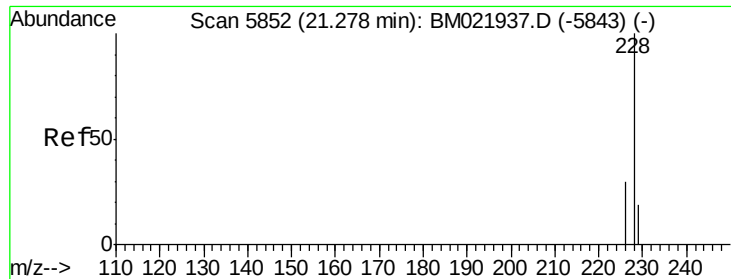
Tgt Ion:202 Resp: 12256
Ion Ratio Lower Upper
202 100
101 11.0 8.3 12.5
100 9.5 7.2 10.8



#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:228 Resp: 6523
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 :

BENZ3DL

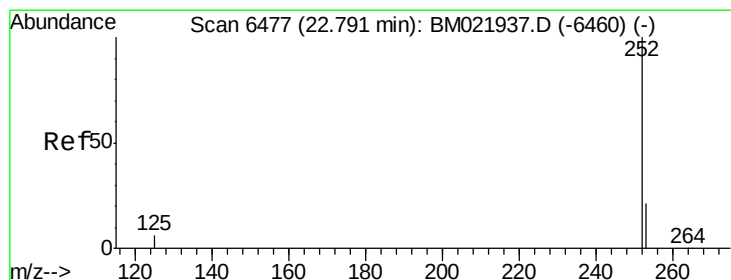
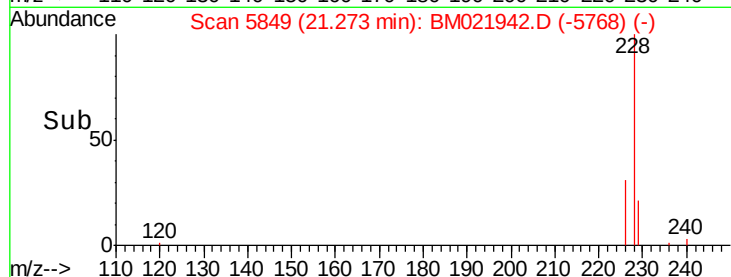
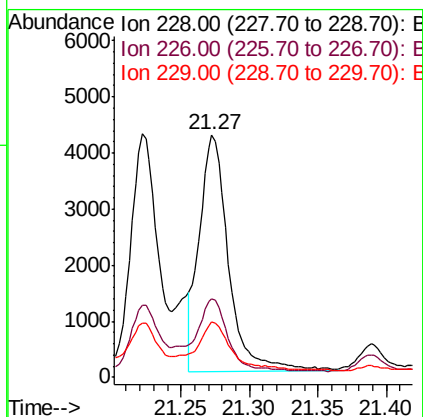
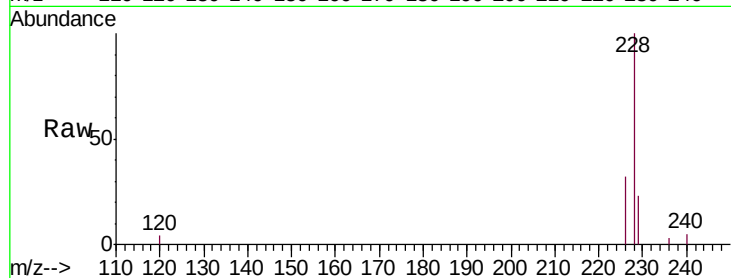
Tgt Ion:228 Resp: 6261

Ion Ratio Lower Upper

228 100

226 32.1 24.9 37.3

229 22.6 16.6 25.0



#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

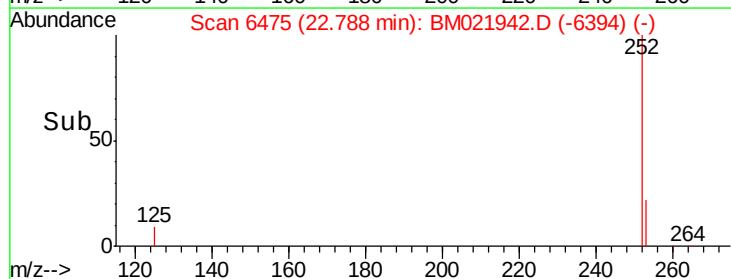
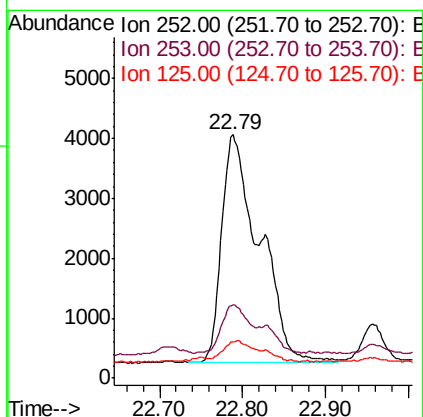
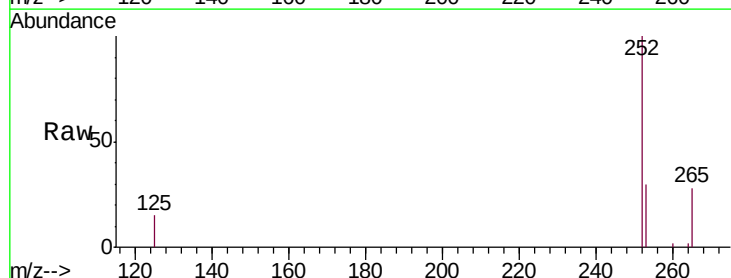
Tgt Ion:252 Resp: 11972

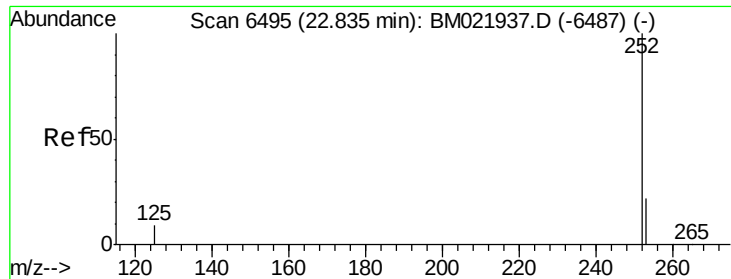
Ion Ratio Lower Upper

252 100

253 29.9 0.0 67.4

125 14.7 0.0 31.0





#22

Benzo(k)fluoranthene

Concen: 0.509 ng/ul

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 :

BENZ3DL

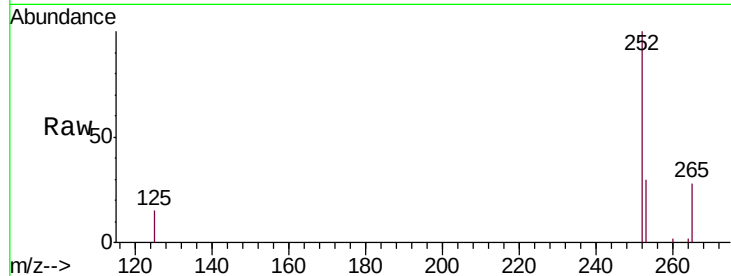
Tgt Ion:252 Resp: 11972

Ion Ratio Lower Upper

252 100

253 29.9 27.0 40.4

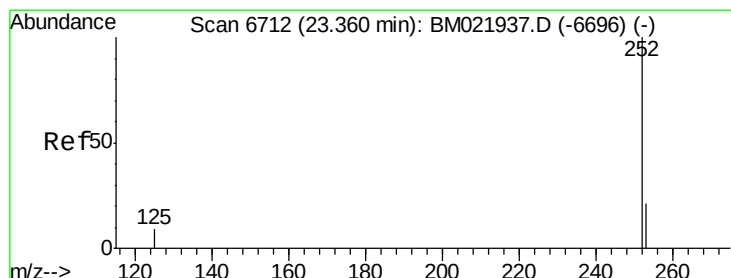
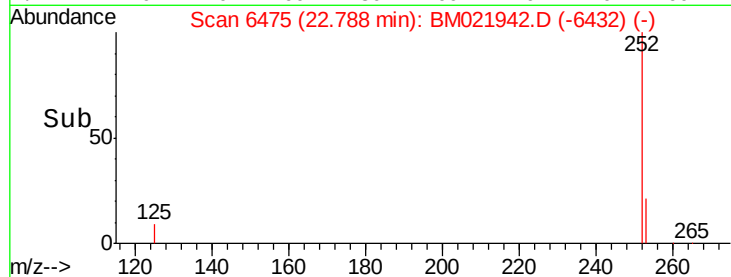
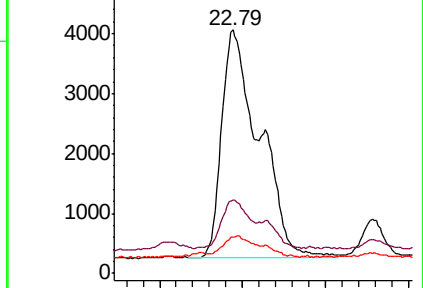
125 14.7 12.2 18.2



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: 0.283 ng/ul

RT: 23.35 min Scan# 6708

Delta R.T. -0.01 min

Lab File: BM021942.D

Acq: 08 Aug 2019 20:33

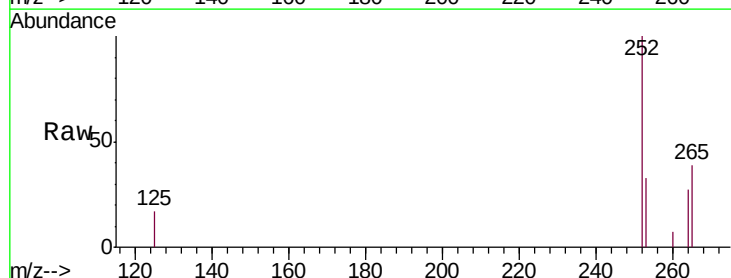
Tgt Ion:252 Resp: 5992

Ion Ratio Lower Upper

252 100

253 32.7 31.7 47.5

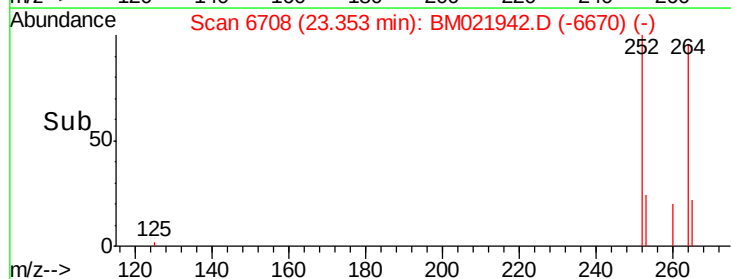
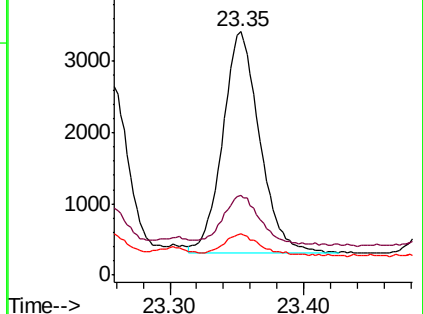
125 16.8 14.6 21.8

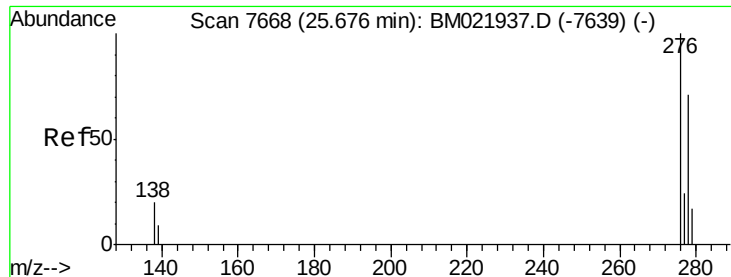


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



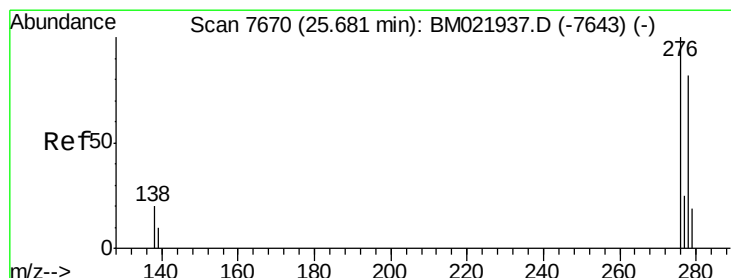
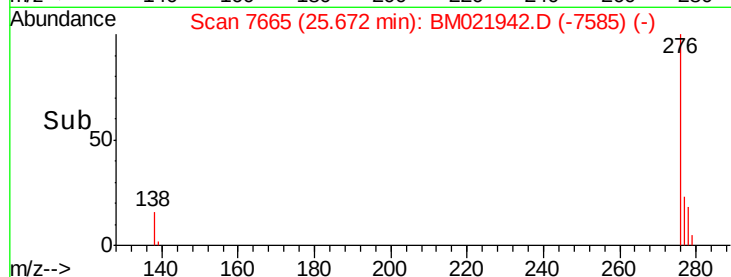
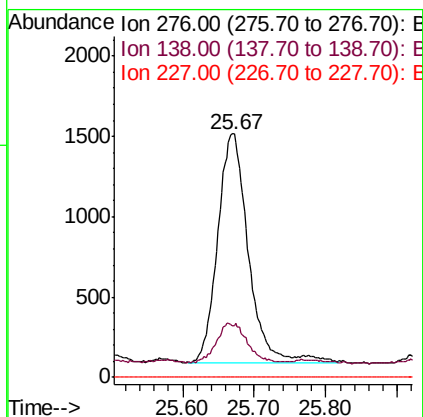
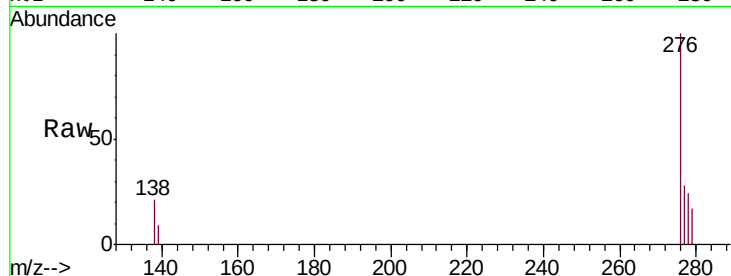


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.169 ng/ul
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 :
BENZ3DL

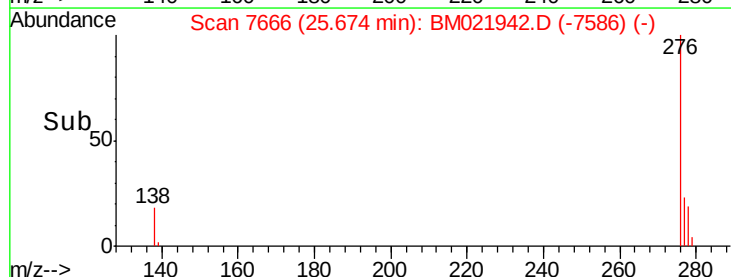
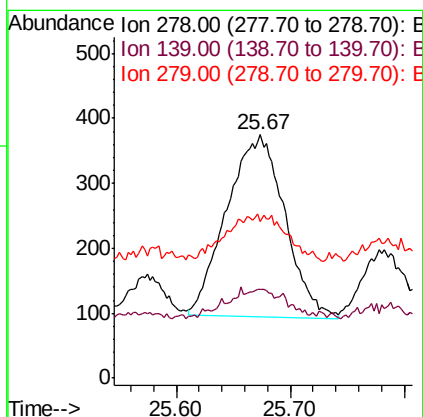
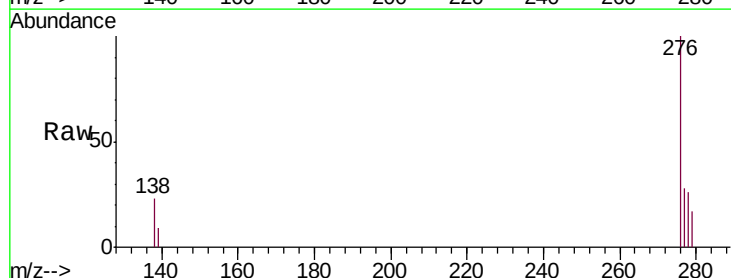
Tgt Ion:276 Resp: 4271
Ion Ratio Lower Upper
276 100
138 17.1 15.1 22.7
227 0.0 0.0 0.0

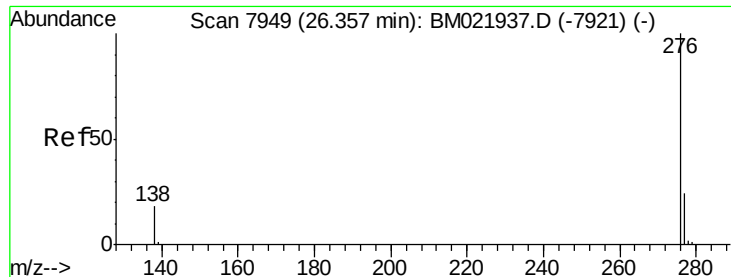


#25

Dibenzo(a,h)anthracene
Concen: 0.049 ng/ul
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(g,h,i)perylene

Concen: 0.187 ng/ul

RT: 26.35 min Scan# 7945

Delta R.T. -0.01 min

Lab File: BM021942.D

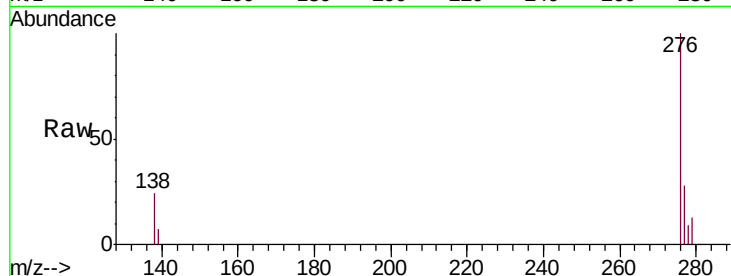
Acq: 08 Aug 2019 20:33

Instrument :

BNA_M

ClientSampleId :

BENZ3DL



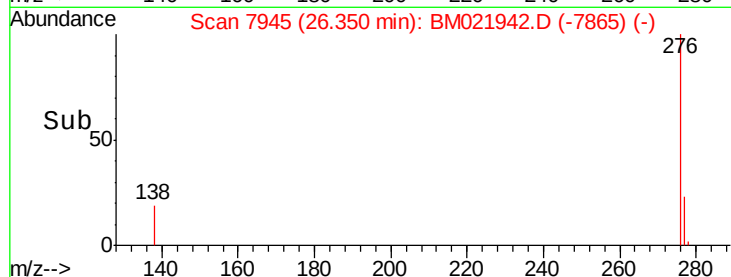
Tgt Ion: 276 Resp: 4244

Ion Ratio Lower Upper

276 100

138 24.4 15.5 23.3#

277 28.3 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

