

Data File : BM021901.D
Acq On : 07 Aug 2019 18:16
Operator : HP/JU
Sample : K3893-08DL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP12DL

Quant Time: Aug 08 04:42:05 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 : 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	891	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	3819	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	2169	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	4916	0.40	ng/ul	-0.01
16) Chrysene-d12	21.24	240	4867	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	6373	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.04	152	148	0.02	ng/ul	0.02
14) Fluoranthene-d10	19.07	212	434	0.03	ng/ul	-0.01

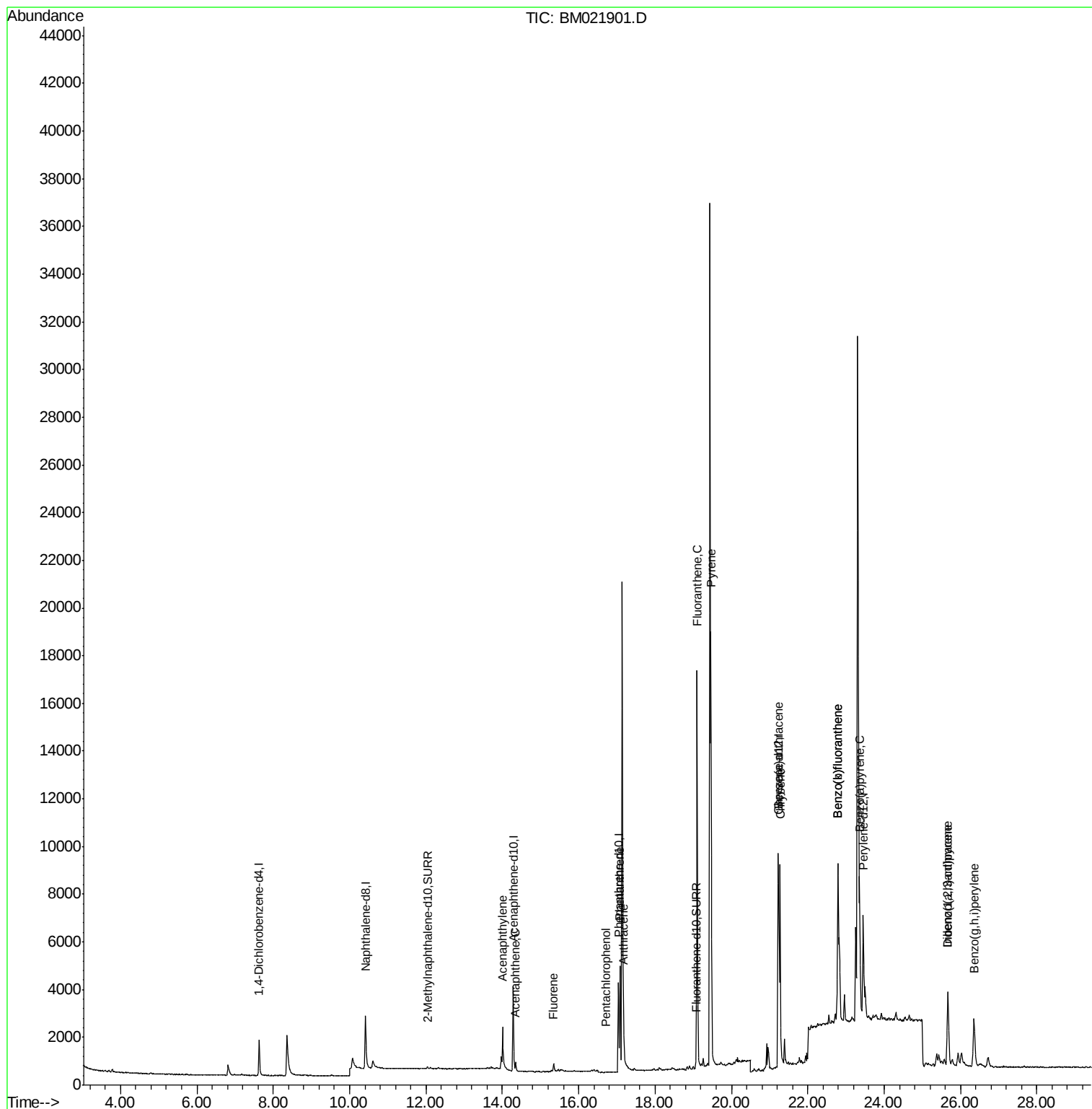
Target Compounds				Qvalue		
7) Acenaphthylene	14.00	152	566	0.056	ng/ul#	81
8) Acenaphthene	14.35	153	211	0.025	ng/ul	91
9) Fluorene	15.34	166	263	0.029	ng/ul#	93
11) Pentachlorophenol	16.71	266	19	0.021	ng/ul#	44
12) Phenanthrene	17.08	178	5224	0.365	ng/ul	100
13) Anthracene	17.18	178	1101	0.090	ng/ul#	86
15) Fluoranthene	19.10	202	15606	0.814	ng/ul	96
17) Pyrene	19.47	202	15457	0.773	ng/ul	98
18) Benzo(a)anthracene	21.22	228	7574	0.435	ng/ul	98
19) Chrysene	21.28	228	8072	0.361	ng/ul	97
21) Benzo(b)fluoranthene	22.79	252	15841	0.737	ng/ul	94
22) Benzo(k)fluoranthene	22.79	252	15841	0.651	ng/ul	95
23) Benzo(a)pyrene	23.36	252	7293	0.334	ng/ul	90
24) Indeno(1,2,3-cd)pyrene	25.67	276	5285	0.203	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.67	278	1293	0.061	ng/ul#	54
26) Benzo(g,h,i)perylene	26.36	276	4550	0.194	ng/ul	93

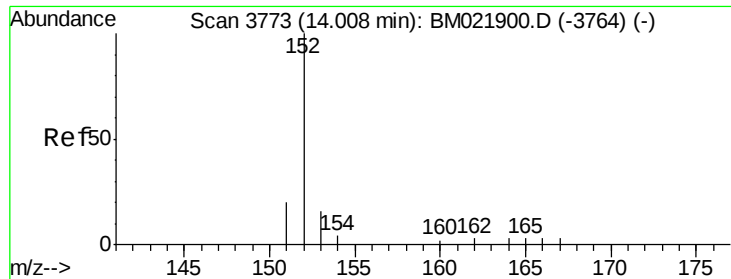
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.056 ng/ul

RT: 14.00 min Scan# 3772

Delta R.T. -0.00 min

Lab File: BM021901.D

Acq: 07 Aug 2019 18:16

Instrument :

BNA_M

ClientSampleId :

BEP12DL

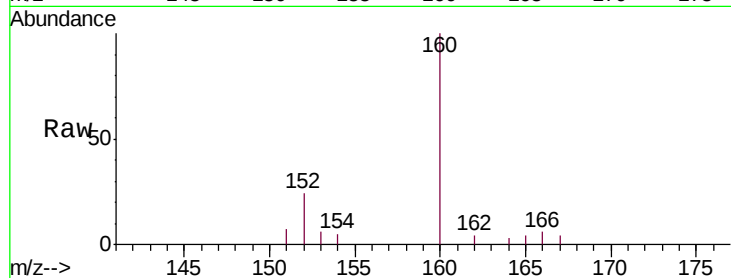
Tgt Ion:152 Resp: 566

Ion Ratio Lower Upper

152 100

151 30.7 18.3 27.5#

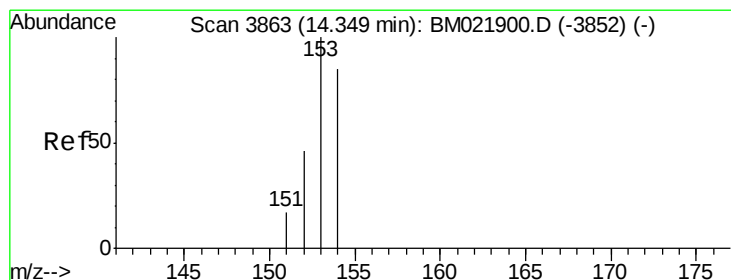
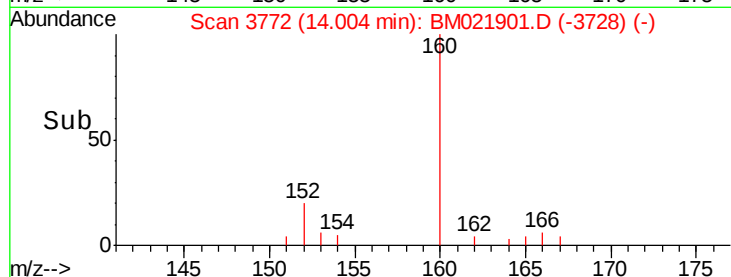
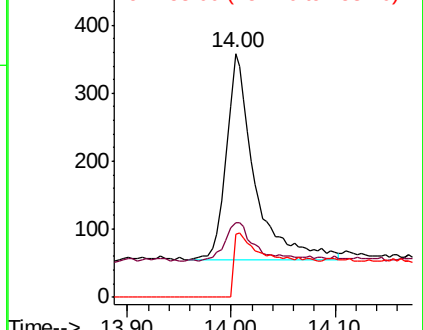
153 26.0 12.8 19.2#



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: 0.025 ng/ul

RT: 14.35 min Scan# 3862

Delta R.T. -0.00 min

Lab File: BM021901.D

Acq: 07 Aug 2019 18:16

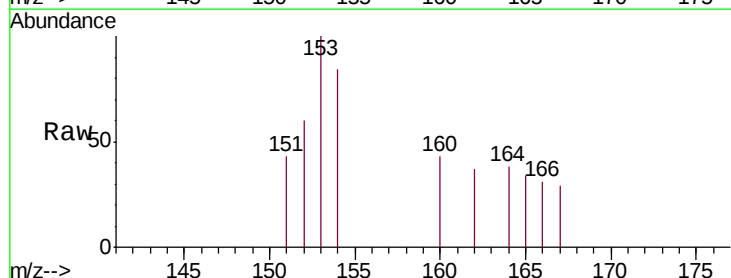
Tgt Ion:153 Resp: 211

Ion Ratio Lower Upper

153 100

152 60.2 41.3 61.9

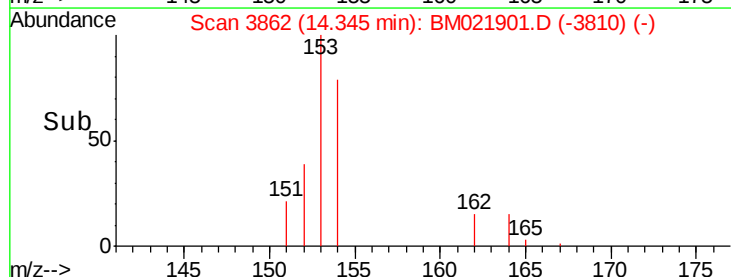
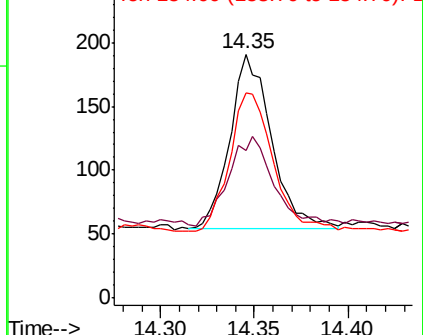
154 84.3 72.3 108.5

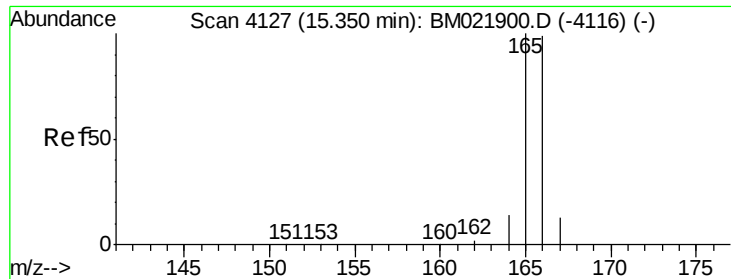


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.029 ng/ul

RT: 15.34 min Scan# 4125

Delta R.T. -0.01 min

Lab File: BM021901.D

Acq: 07 Aug 2019 18:16

Instrument :

BNA_M

ClientSampleId :

BEP12DL

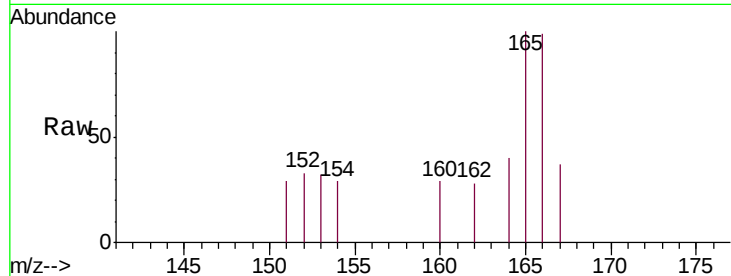
Tgt Ion:166 Resp: 263

Ion Ratio Lower Upper

166 100

165 101.1 81.4 122.0

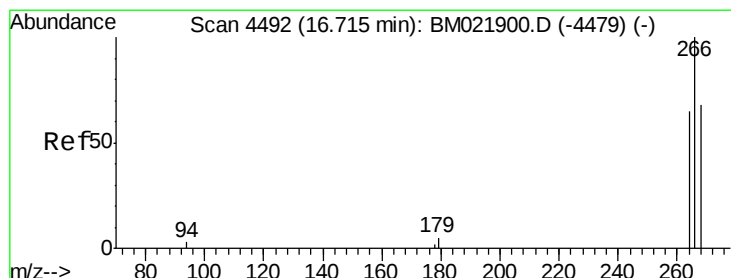
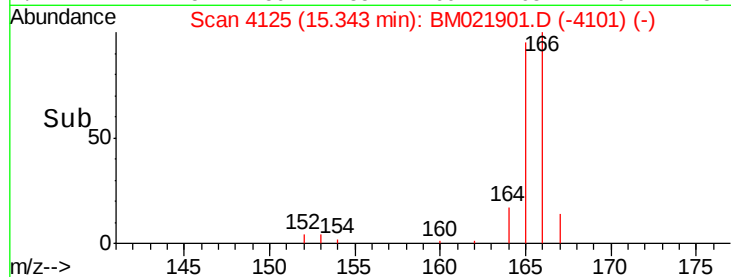
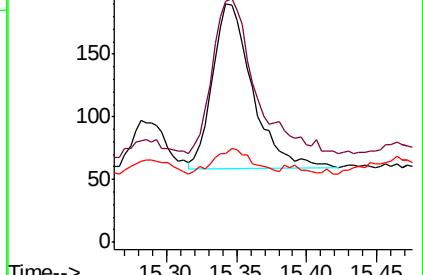
167 37.4 13.7 20.5#



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



#11

Pentachlorophenol

Concen: 0.021 ng/ul

RT: 16.71 min Scan# 4492

Delta R.T. 0.00 min

Lab File: BM021901.D

Acq: 07 Aug 2019 18:16

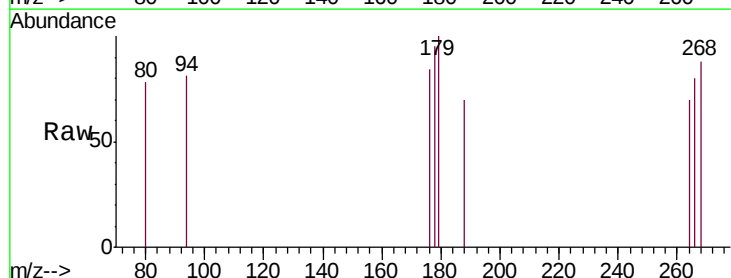
Tgt Ion:266 Resp: 19

Ion Ratio Lower Upper

266 100

264 31.6 54.2 81.2#

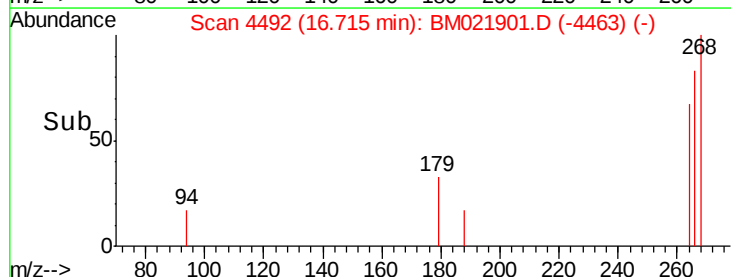
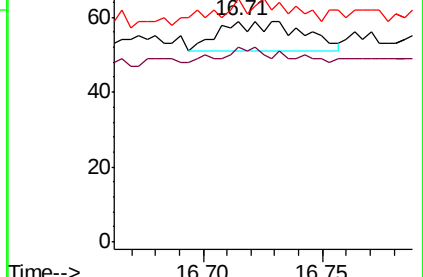
268 15.8 57.6 86.4#

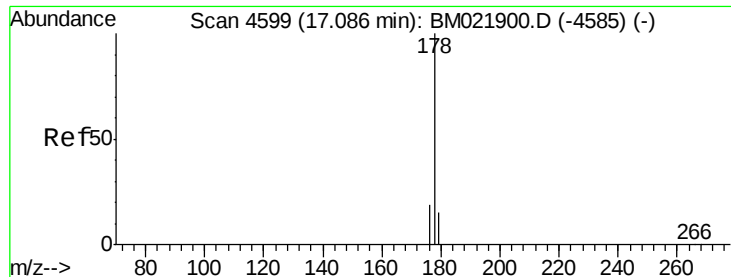


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.365 ng/ul

RT: 17.08 min Scan# 4597

Delta R.T. -0.01 min

Lab File: BM021901.D

Acq: 07 Aug 2019 18:16

Instrument :

BNA_M

ClientSampleId :

BEP12DL

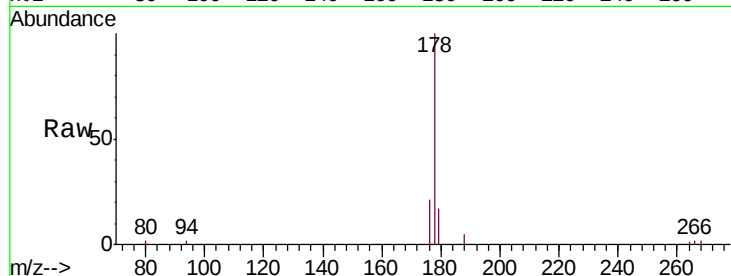
Tgt Ion:178 Resp: 5224

Ion Ratio Lower Upper

178 100

179 17.4 14.2 21.2

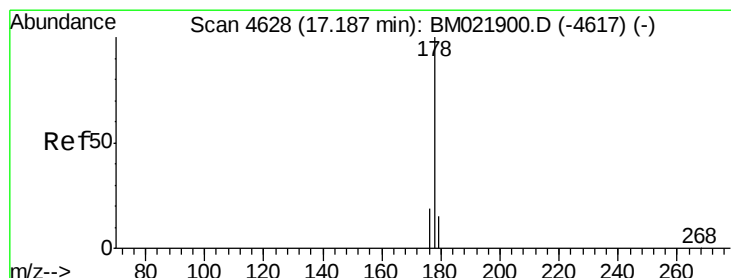
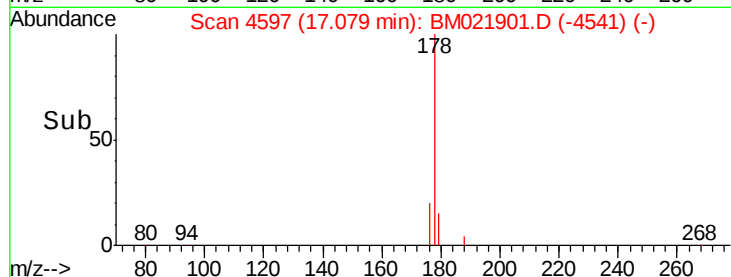
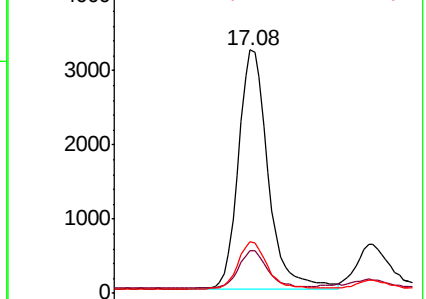
176 21.1 16.8 25.2



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: 0.090 ng/ul

RT: 17.18 min Scan# 4625

Delta R.T. -0.01 min

Lab File: BM021901.D

Acq: 07 Aug 2019 18:16

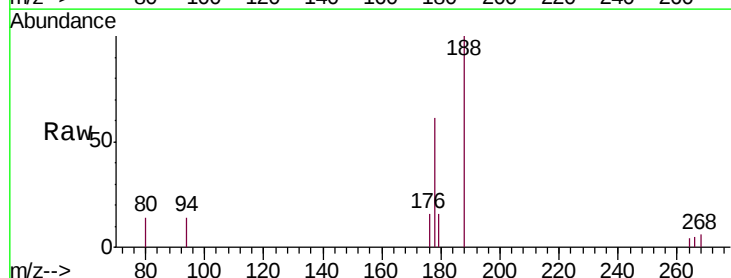
Tgt Ion:178 Resp: 1101

Ion Ratio Lower Upper

178 100

179 27.1 15.5 23.3#

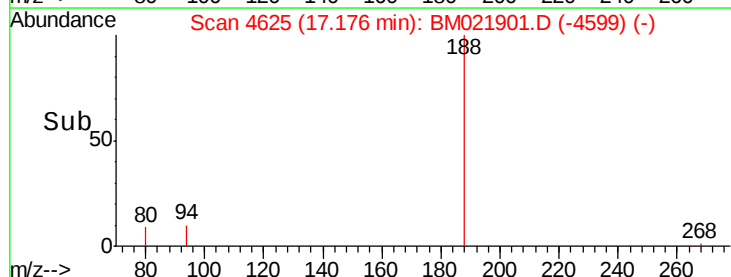
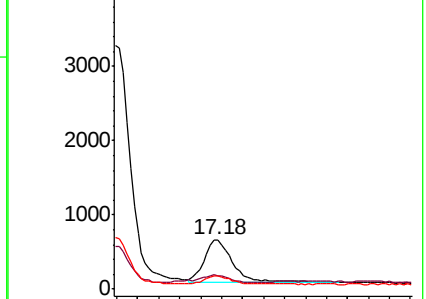
176 26.1 16.6 25.0#

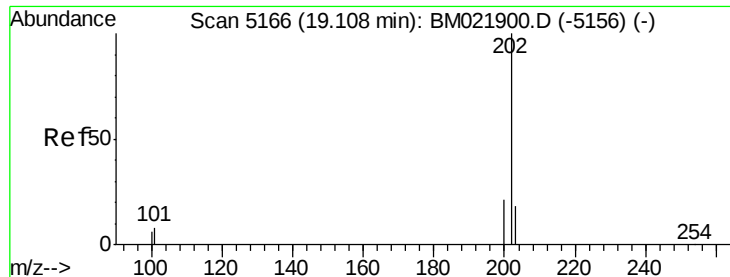


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

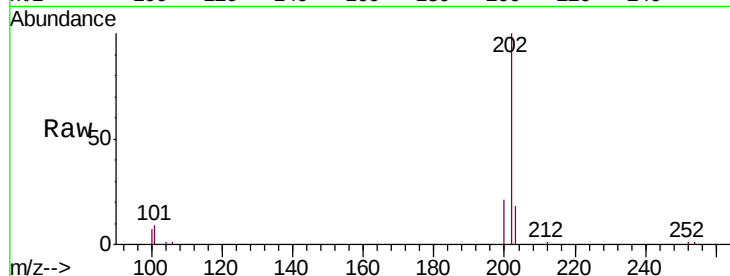




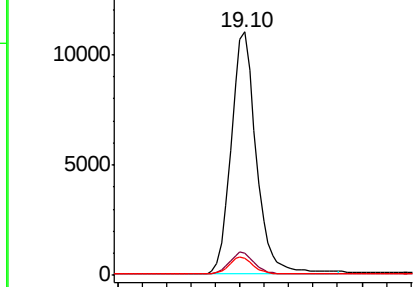
#15
Fluoranthene
 Concen: 0.814 ng/ul
 RT: 19.10 min Scan# 5165
 Delta R.T. -0.00 min
 Lab File: BM021901.D
 Acq: 07 Aug 2019 18:16

Instrument :
 BNA_M
 ClientSampleId :
 BEP12DL

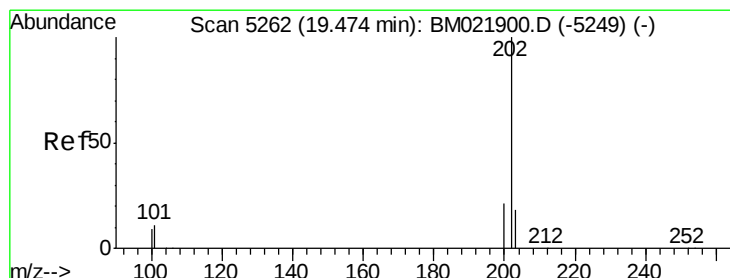
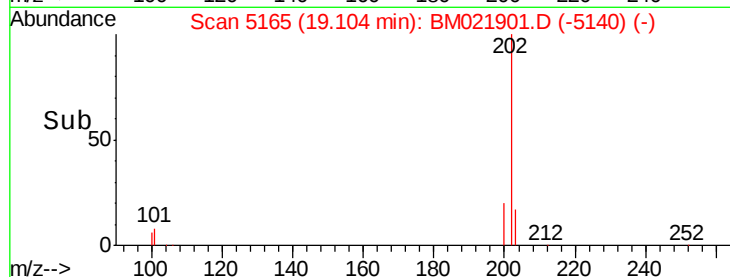
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	30.2
100	6.9	0.0	28.1



Abundance Ion 202.00 (201.70 to 202.70): E
 15000 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

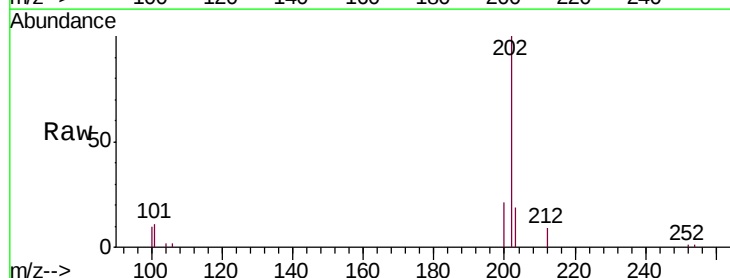


Time--> 19.00 19.10 19.20

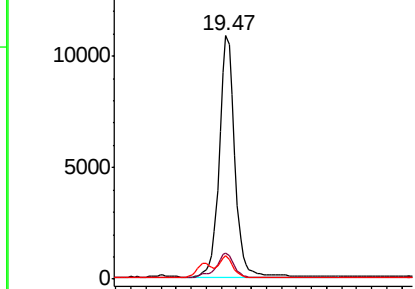


#17
Pyrene
 Concen: 0.773 ng/ul
 RT: 19.47 min Scan# 5260
 Delta R.T. -0.01 min
 Lab File: BM021901.D
 Acq: 07 Aug 2019 18:16

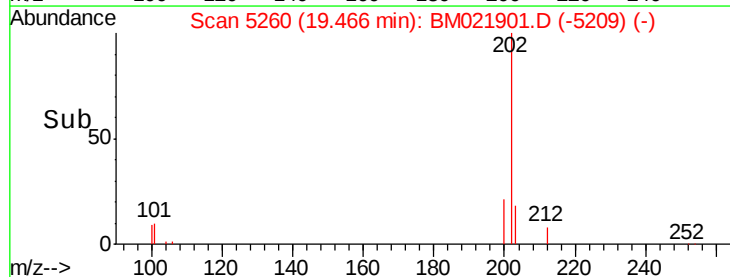
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.3	12.5
100	9.7	7.2	10.8

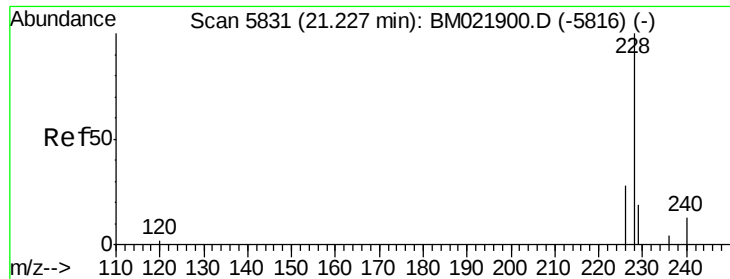


Abundance Ion 202.00 (201.70 to 202.70): E
 15000 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B



Time--> 19.40 19.50 19.60





#18

Benzo(a)anthracene

Concen: 0.435 ng/ul

RT: 21.22 min Scan# 5829

Delta R.T. -0.00 min

Lab File: BM021901.D

Acq: 07 Aug 2019 18:16

Instrument :

BNA_M

ClientSampleId :

BEP12DL

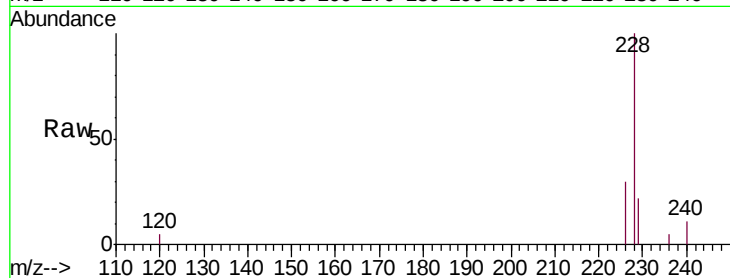
Tgt Ion:228 Resp: 7574

Ion Ratio Lower Upper

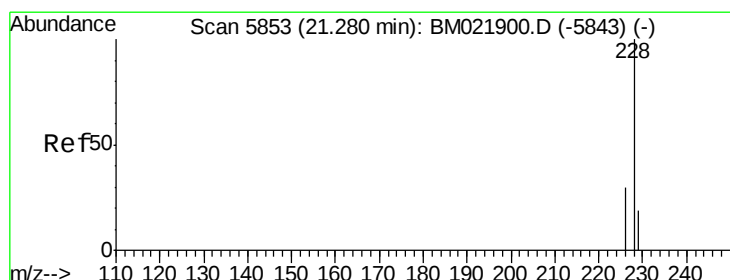
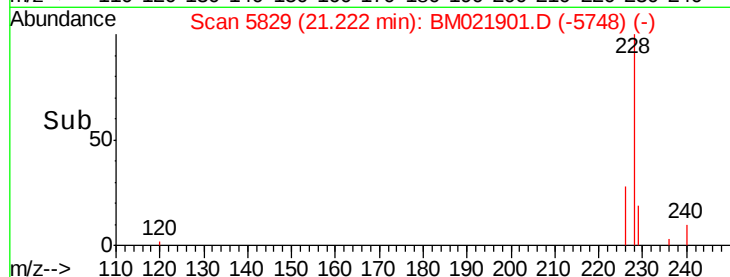
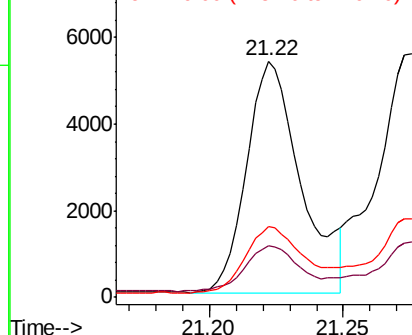
228 100

229 21.6 17.2 25.8

226 29.9 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: 0.361 ng/ul

RT: 21.28 min Scan# 5851

Delta R.T. -0.00 min

Lab File: BM021901.D

Acq: 07 Aug 2019 18:16

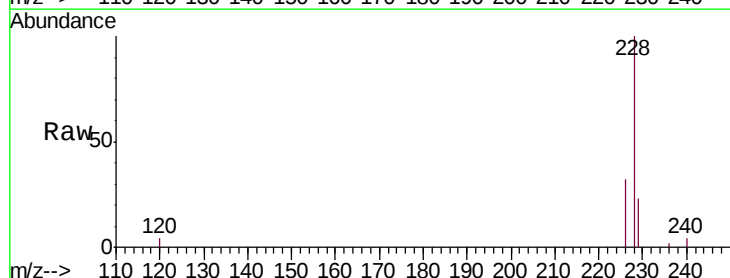
Tgt Ion:228 Resp: 8072

Ion Ratio Lower Upper

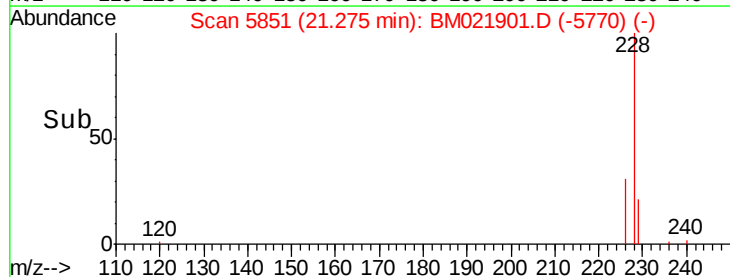
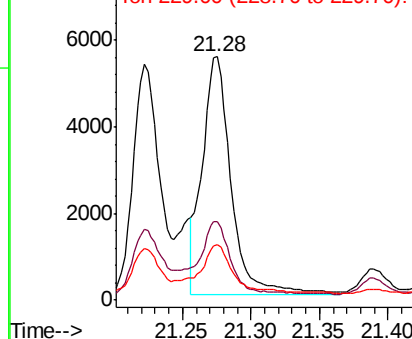
228 100

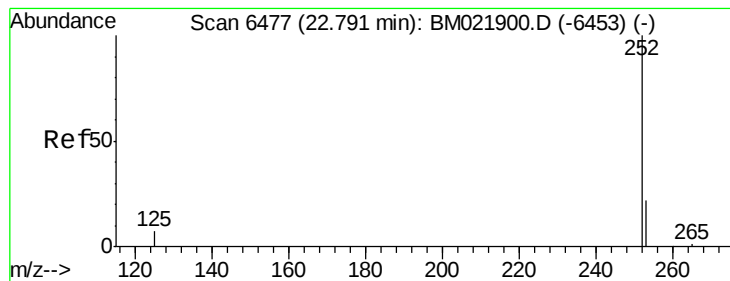
226 32.1 24.9 37.3

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: 0.737 ng/ul

RT: 22.79 min Scan# 6476

Delta R.T. -0.00 min

Lab File: BM021901.D

Acq: 07 Aug 2019 18:16

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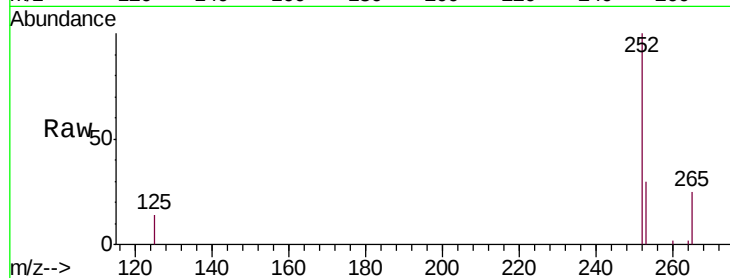
Tgt Ion:252 Resp: 15841

Ion Ratio Lower Upper

252 100

253 30.0 0.0 67.4

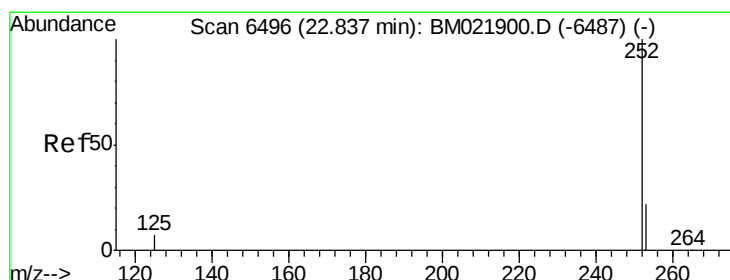
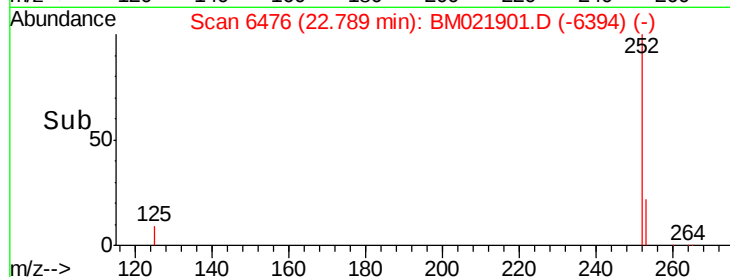
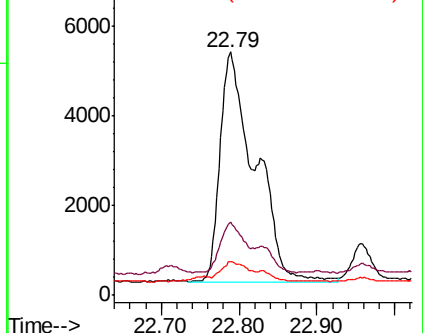
125 13.9 0.0 31.0



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: 0.651 ng/ul

RT: 22.79 min Scan# 6476

Delta R.T. -0.05 min

Lab File: BM021901.D

Acq: 07 Aug 2019 18:16

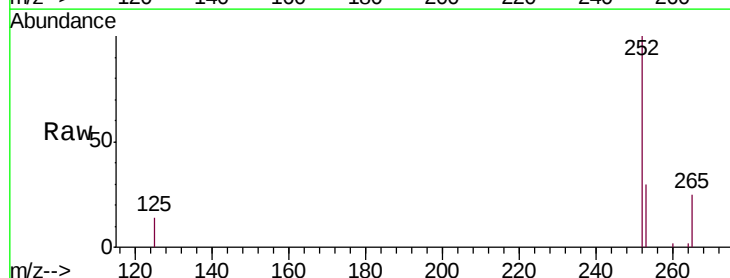
Tgt Ion:252 Resp: 15841

Ion Ratio Lower Upper

252 100

253 30.0 27.0 40.4

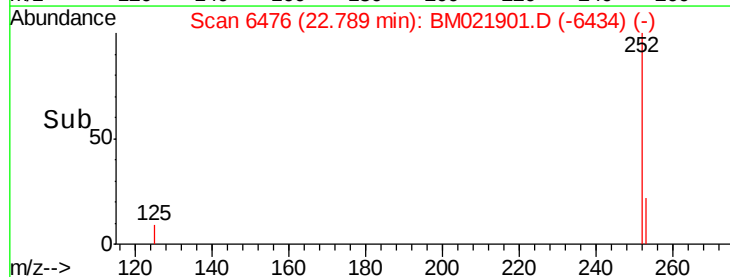
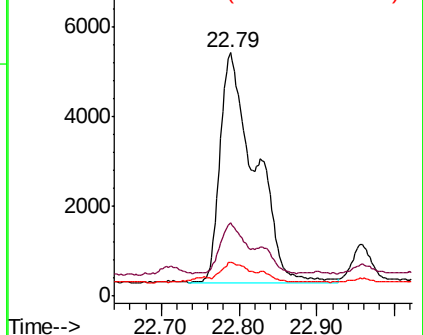
125 13.9 12.2 18.2

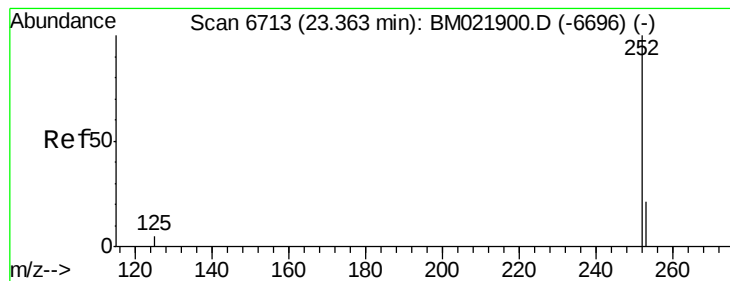


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.334 ng/u1

RT: 23.36 min Scan# 6710

Delta R.T. -0.01 min

Lab File: BM021901.D

Acq: 07 Aug 2019 18:16

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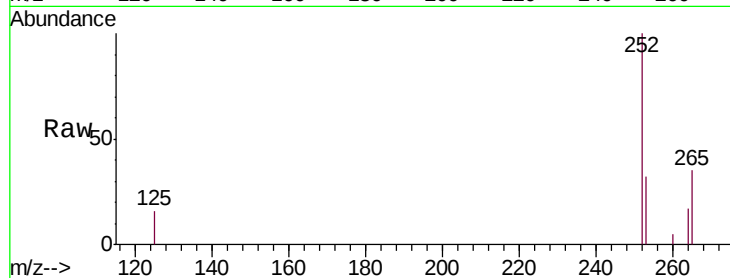
Tgt Ion:252 Resp: 7293

Ion Ratio Lower Upper

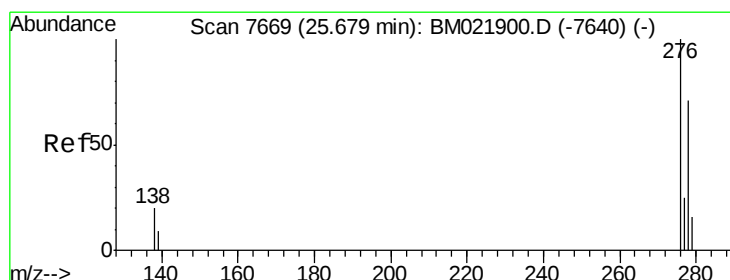
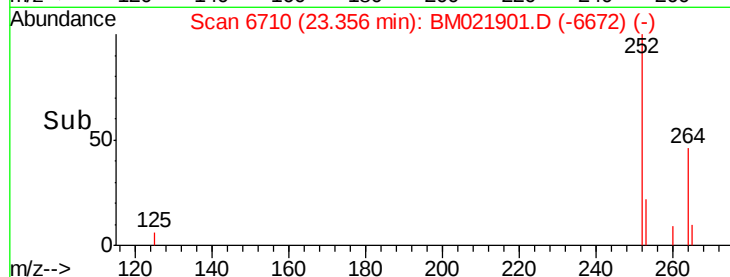
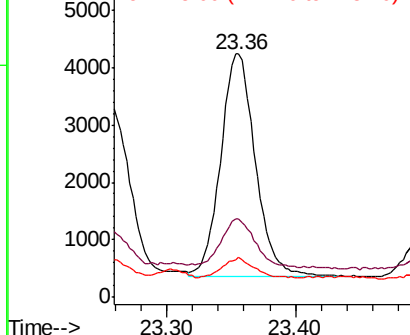
252 100

253 32.1 31.7 47.5

125 16.3 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: 0.203 ng/u1

RT: 25.67 min Scan# 7665

Delta R.T. -0.01 min

Lab File: BM021901.D

Acq: 07 Aug 2019 18:16

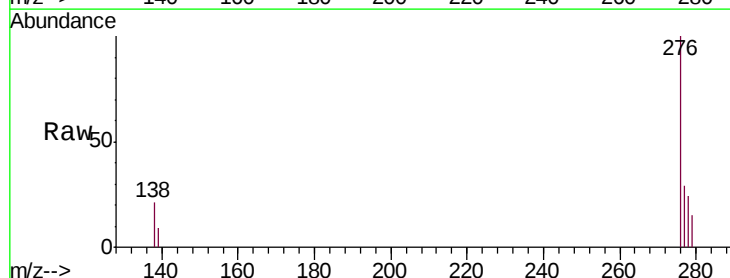
Tgt Ion:276 Resp: 5285

Ion Ratio Lower Upper

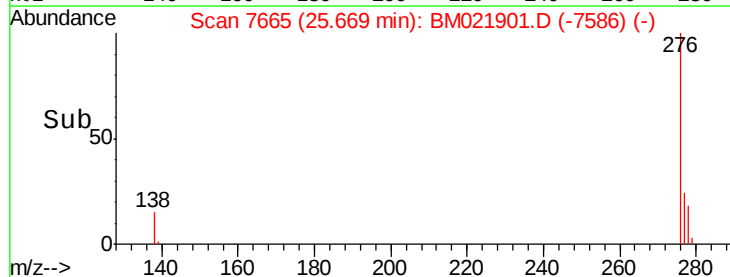
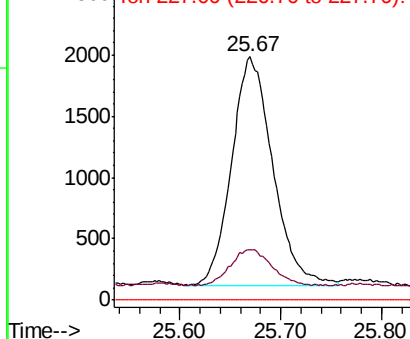
276 100

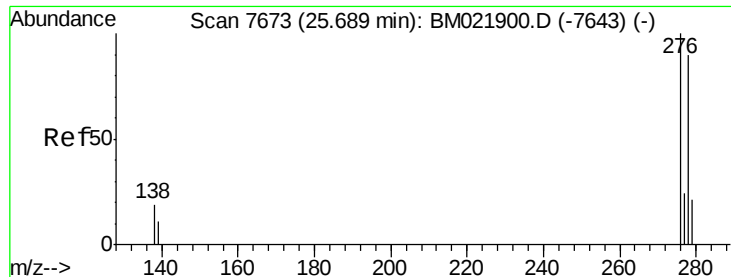
138 16.3 15.1 22.7

227 0.0 0.0 0.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.061 ng/ul

RT: 25.67 min Scan# 7665

Delta R.T. -0.02 min

Lab File: BM021901.D

Acq: 07 Aug 2019 18:16

Instrument :

BNA_M

ClientSampleId :

BEP12DL

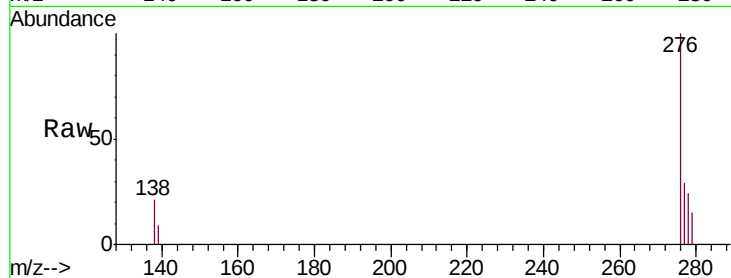
Tgt Ion:278 Resp: 1293

Ion Ratio Lower Upper

278 100

139 35.8 14.2 21.2#

279 63.4 28.3 42.5#



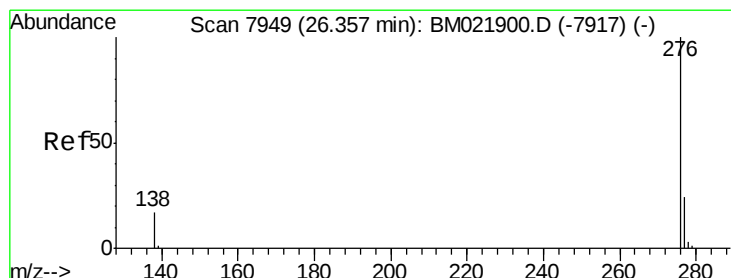
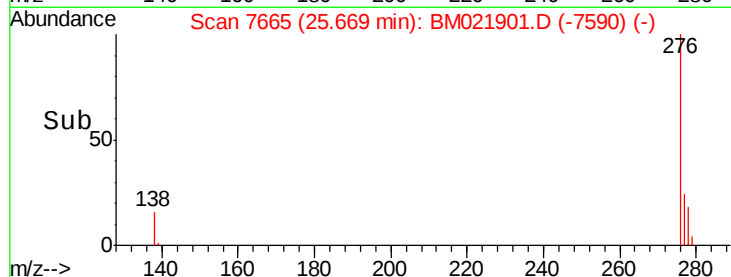
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

25.67

Time-->



#26

Benzo(g,h,i)perylene

Concen: 0.194 ng/ul

RT: 26.36 min Scan# 7948

Delta R.T. -0.00 min

Lab File: BM021901.D

Acq: 07 Aug 2019 18:16

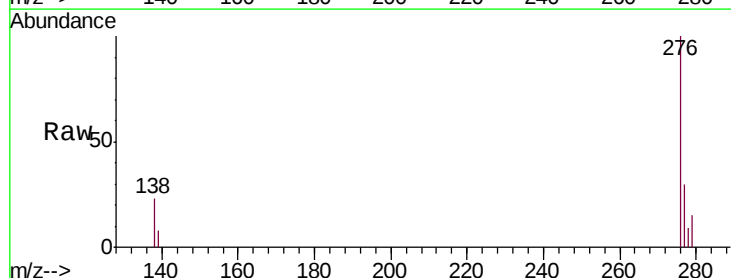
Tgt Ion:276 Resp: 4550

Ion Ratio Lower Upper

276 100

138 22.7 15.5 23.3

277 30.2 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

26.36

Time-->

