

Data File : BM021821.D
Acq On : 04 Aug 2019 20:15
Operator : HP/JU
Sample : K3850-16DL 5X
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENR8DL

Quant Time: Aug 05 07:00:51 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 : Mon Aug 05 06:57:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	958	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	3786	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	2121	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	4835	0.40	ng/ul	-0.01
16) Chrysene-d12	21.24	240	4875	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	7266	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	229	0.04	ng/ul	0.01
14) Fluoranthene-d10	19.08	212	710	0.04	ng/ul	0.00

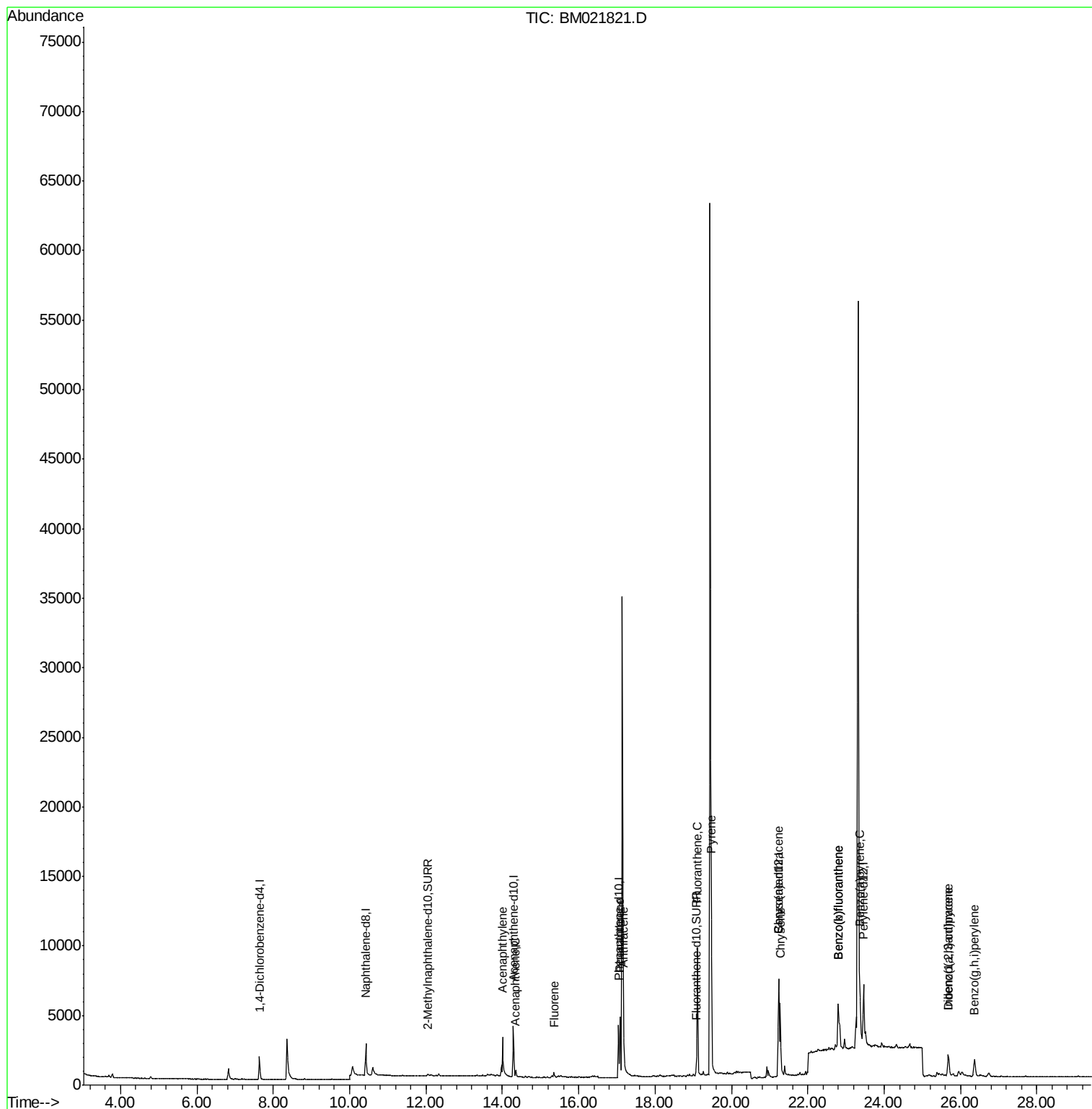
Target Compounds				Qvalue		
7) Acenaphthylene	14.01	152	253	0.026	ng/ul#	50
8) Acenaphthene	14.35	153	279	0.034	ng/ul#	94
9) Fluorene	15.35	166	264	0.029	ng/ul#	93
12) Phenanthrene	17.08	178	5014	0.356	ng/ul	99
13) Anthracene	17.18	178	1149	0.096	ng/ul#	88
15) Fluoranthene	19.11	202	8607	0.457	ng/ul	98
17) Pyrene	19.47	202	10110	0.505	ng/ul	98
18) Benzo(a)anthracene	21.23	228	5425	0.311	ng/ul	96
19) Chrysene	21.28	228	5308	0.237	ng/ul	97
21) Benzo(b)fluoranthene	22.79	252	8126	0.332	ng/ul	95
22) Benzo(k)fluoranthene	22.79	252	8126	0.293	ng/ul#	94
23) Benzo(a)pyrene	23.36	252	4651	0.187	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.68	276	2702	0.091	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.68	278	702	0.029	ng/ul#	19
26) Benzo(g,h,i)perylene	26.36	276	2783	0.104	ng/ul#	87

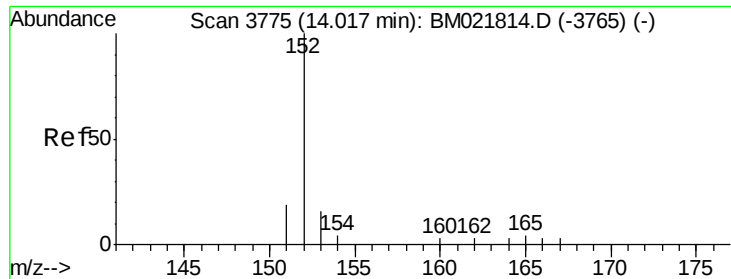
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.026 ng/ul

RT: 14.01 min Scan# 3774

Delta R.T. -0.00 min

Lab File: BM021821.D

Acq: 04 Aug 2019 20:15

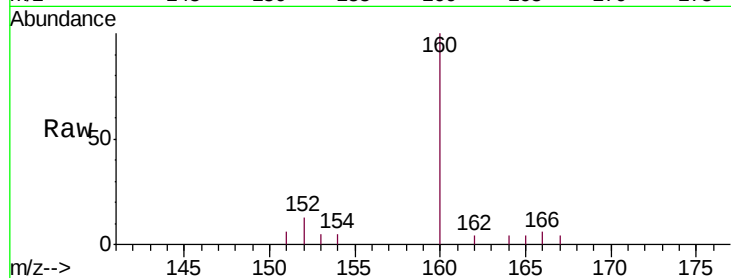
Instrument :

BNA_M

ClientSampleId :

BENR8DL

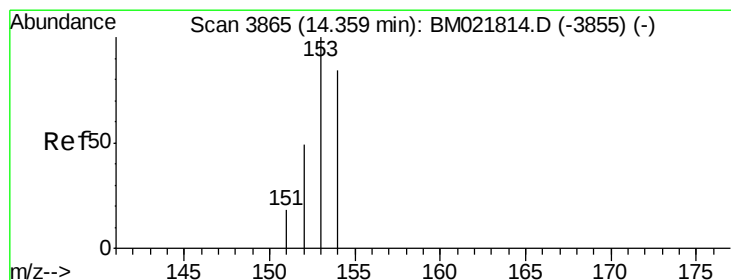
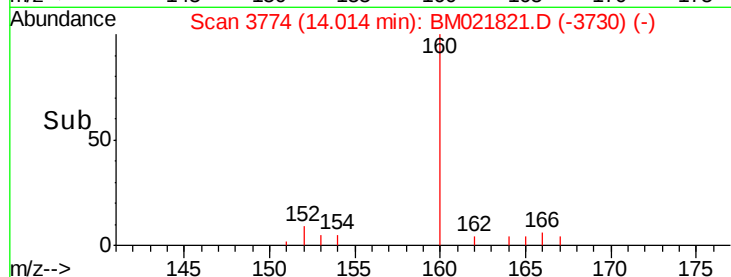
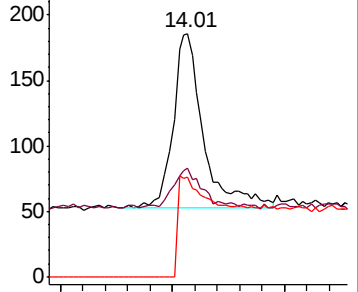
Tgt Ion:	152	Resp:	253
Ion	Ratio	Lower	Upper
152	100		
151	44.6	18.3	27.5#
153	40.9	12.8	19.2#



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: 0.034 ng/ul

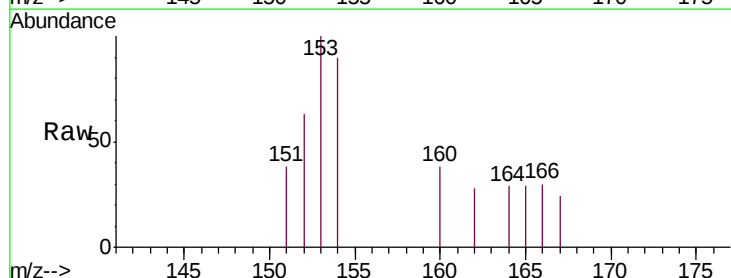
RT: 14.35 min Scan# 3863

Delta R.T. -0.01 min

Lab File: BM021821.D

Acq: 04 Aug 2019 20:15

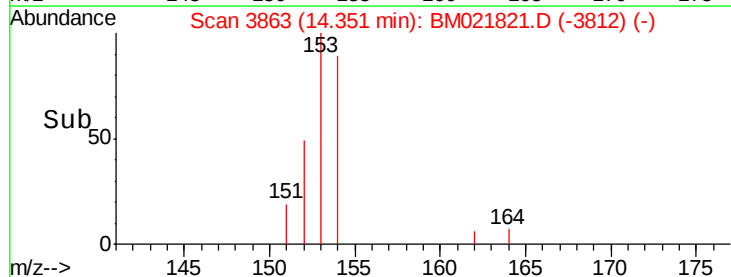
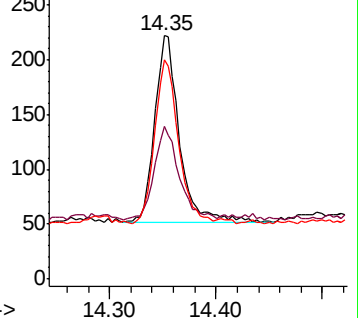
Tgt Ion:	153	Resp:	279
Ion	Ratio	Lower	Upper
153	100		
152	62.6	41.3	61.9#
154	90.1	72.3	108.5

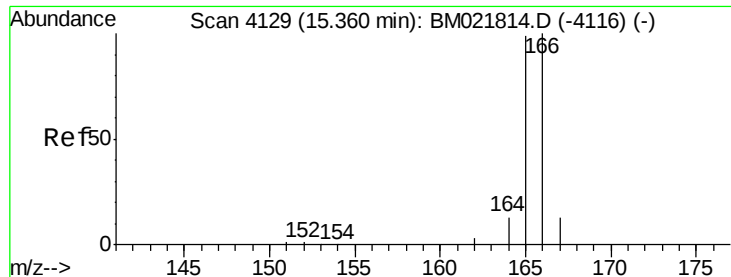


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.029 ng/ul

RT: 15.35 min Scan# 4126

Delta R.T. -0.01 min

Lab File: BM021821.D

Acq: 04 Aug 2019 20:15

Instrument :

BNA_M

ClientSampled :

BENR8DL

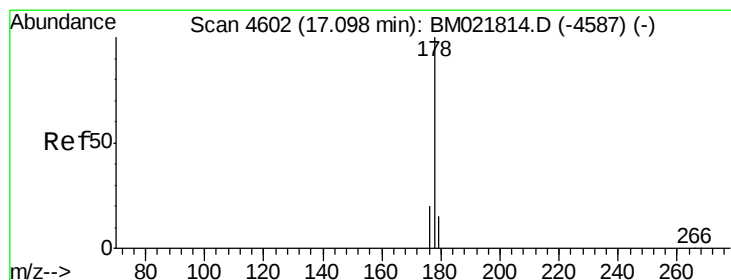
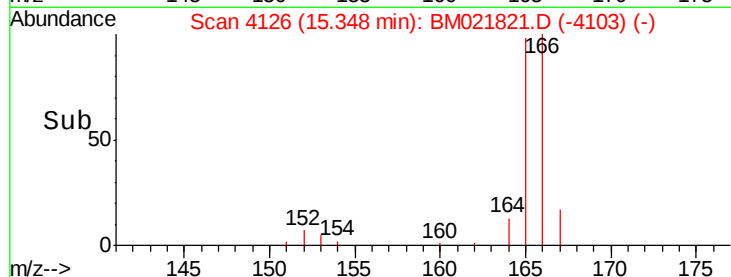
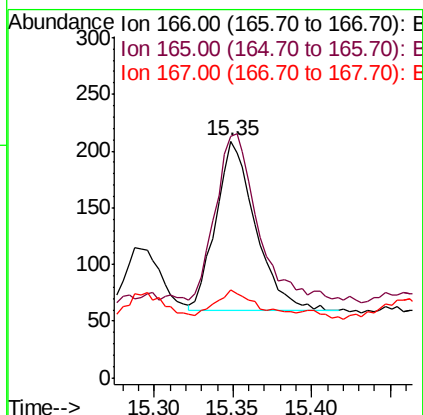
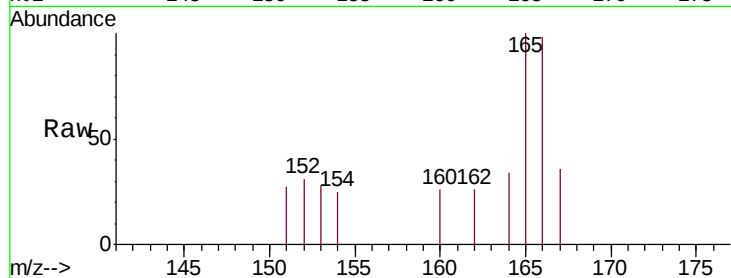
Tgt Ion:166 Resp: 264

Ion Ratio Lower Upper

166 100

165 101.9 81.4 122.0

167 36.8 13.7 20.5#



#12

Phenanthrene

Concen: 0.356 ng/ul

RT: 17.08 min Scan# 4598

Delta R.T. -0.01 min

Lab File: BM021821.D

Acq: 04 Aug 2019 20:15

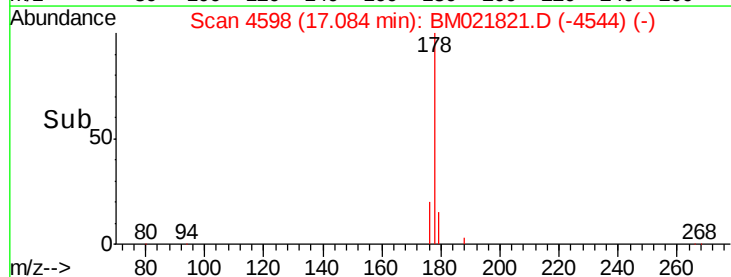
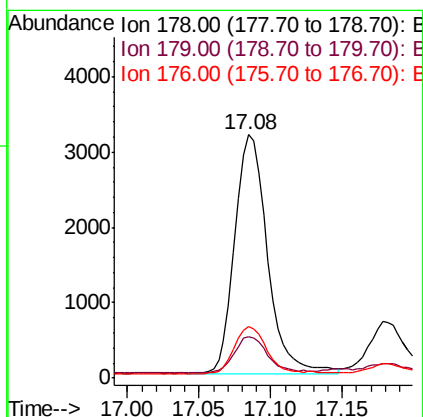
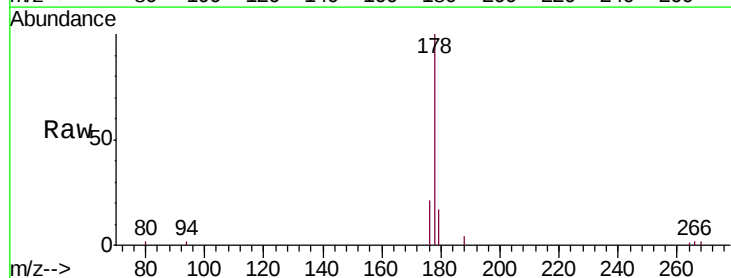
Tgt Ion:178 Resp: 5014

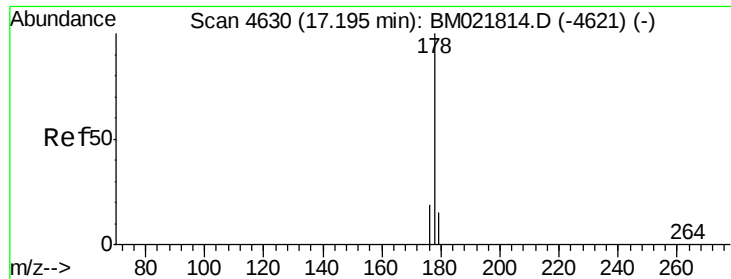
Ion Ratio Lower Upper

178 100

179 17.0 14.2 21.2

176 21.3 16.8 25.2





#13

Anthracene

Concen: 0.096 ng/ul

RT: 17.18 min Scan# 4625

Delta R.T. -0.02 min

Lab File: BM021821.D

Acq: 04 Aug 2019 20:15

Instrument :

BNA_M

ClientSampleId :

BENR8DL

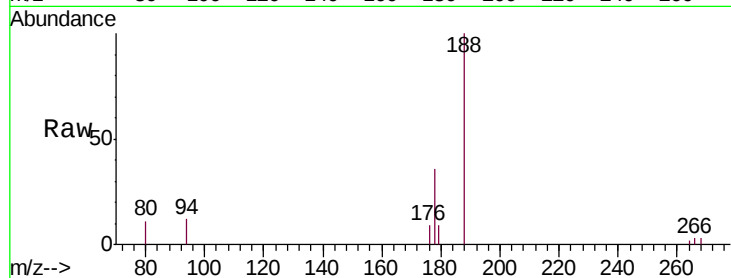
Tgt Ion:178 Resp: 1149

Ion Ratio Lower Upper

178 100

179 26.1 15.5 23.3#

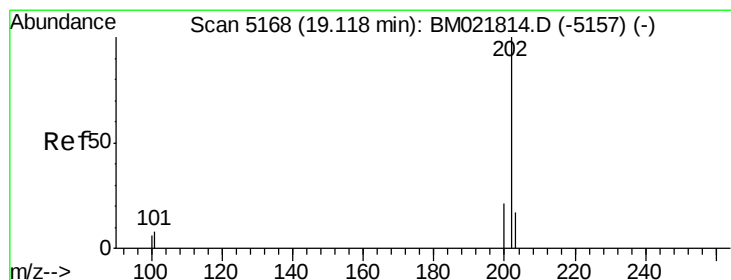
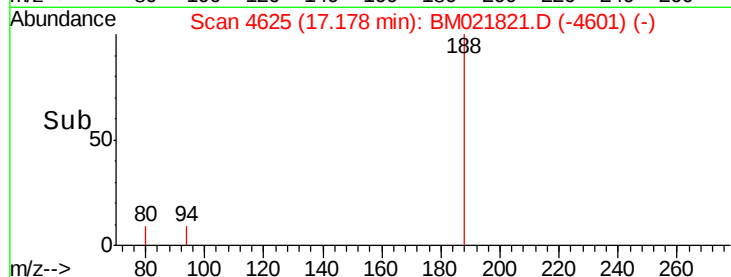
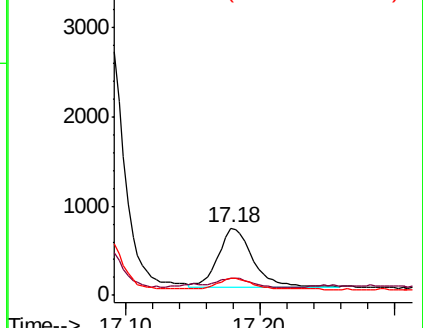
176 25.6 16.6 25.0#



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: 0.457 ng/ul

RT: 19.11 min Scan# 5166

Delta R.T. -0.01 min

Lab File: BM021821.D

Acq: 04 Aug 2019 20:15

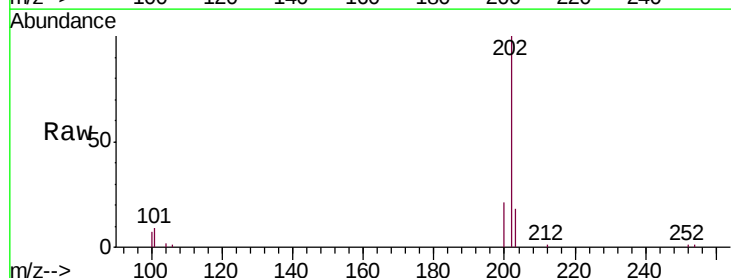
Tgt Ion:202 Resp: 8607

Ion Ratio Lower Upper

202 100

101 9.3 0.0 30.2

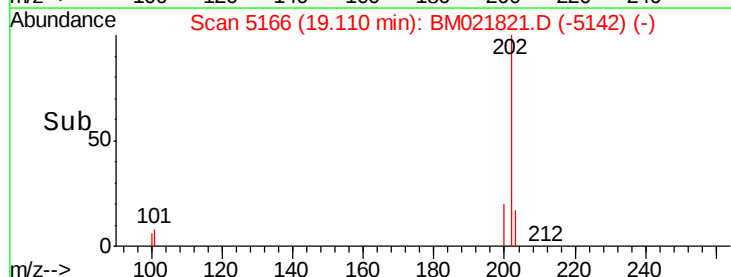
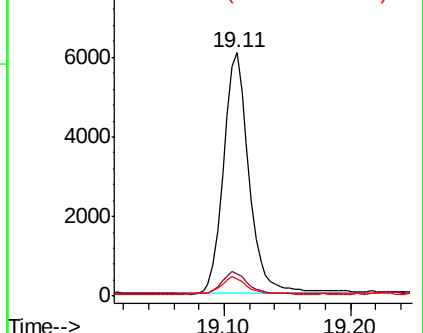
100 7.3 0.0 28.1

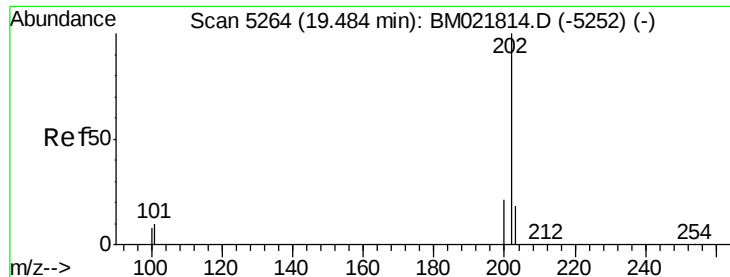


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

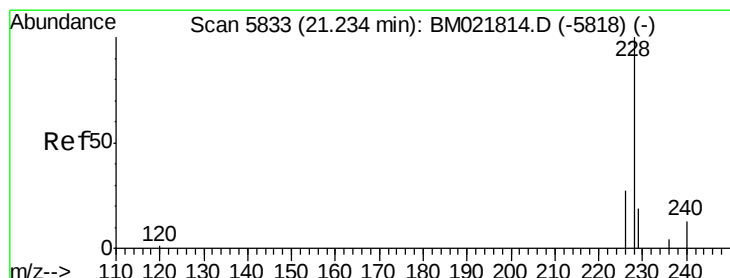
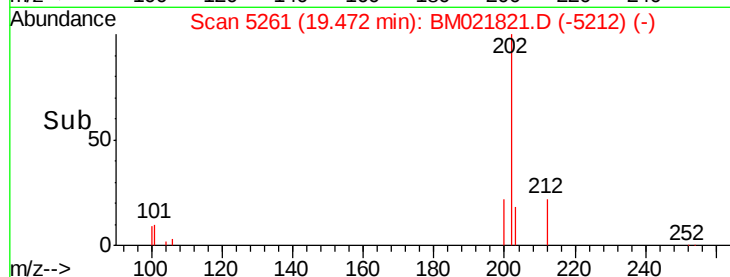
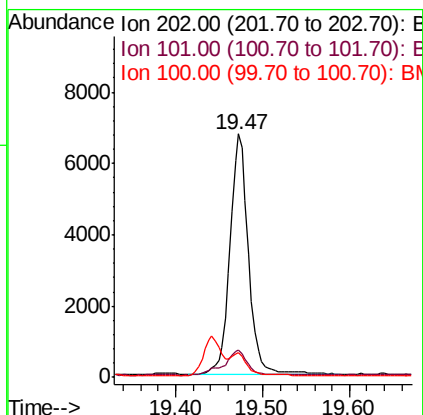
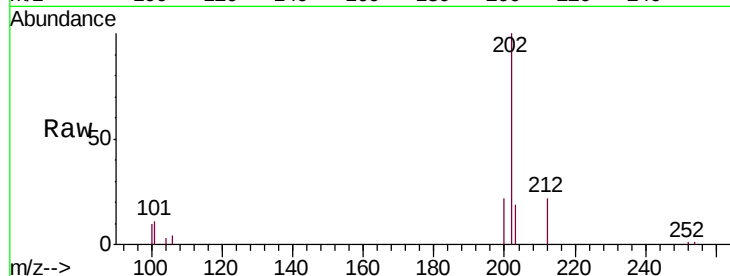




#17
Pyrene
Concen: 0.505 ng/ul
RT: 19.47 min Scan# 5261
Delta R.T. -0.01 min
Lab File: BM021821.D
Acq: 04 Aug 2019 20:15

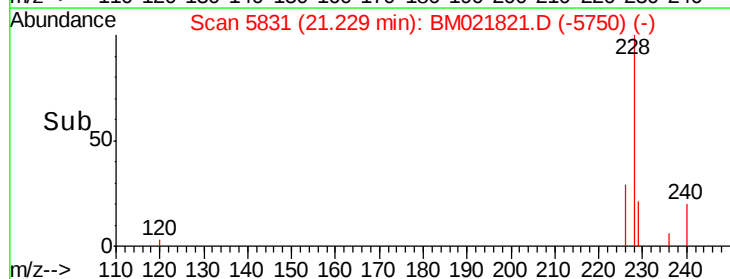
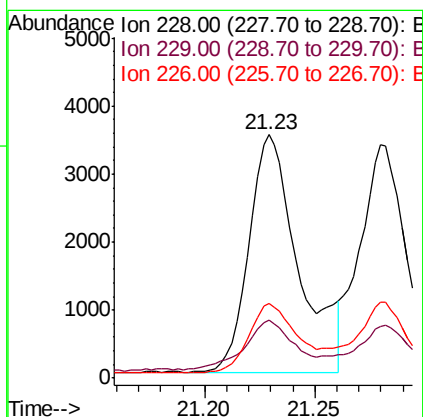
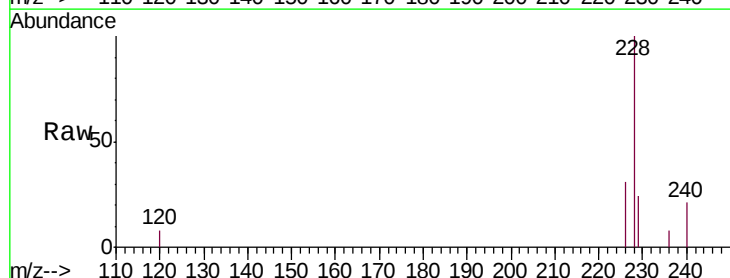
Instrument :
BNA_M
ClientSampleId :
BENR8DL

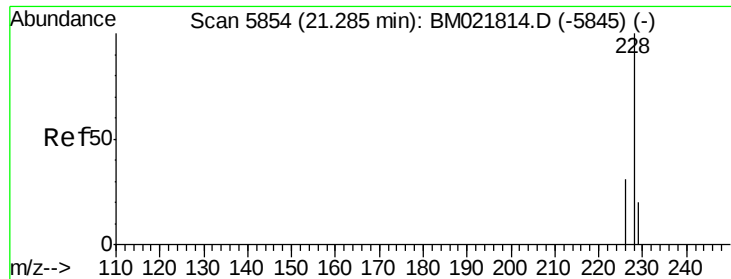
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	8.3	12.5
100	10.0	7.2	10.8



#18
Benzo(a)anthracene
Concen: 0.311 ng/ul
RT: 21.23 min Scan# 5831
Delta R.T. -0.00 min
Lab File: BM021821.D
Acq: 04 Aug 2019 20:15

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.6	17.2	25.8
226	30.7	22.6	34.0





#19

Chrysene

Concen: 0.237 ng/ul

RT: 21.28 min Scan# 5852

Delta R.T. -0.00 min

Lab File: BM021821.D

Acq: 04 Aug 2019 20:15

Instrument :

BNA_M

ClientSampleId :

BENR8DL

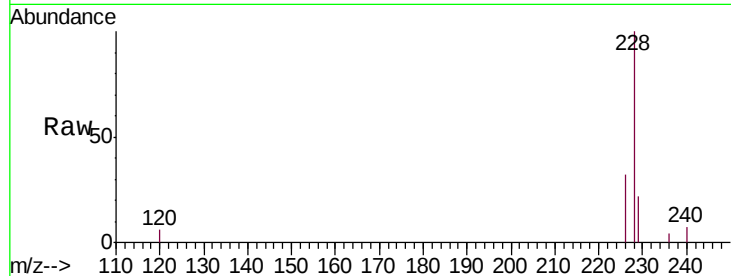
Tgt Ion:228 Resp: 5308

Ion Ratio Lower Upper

228 100

226 32.3 24.9 37.3

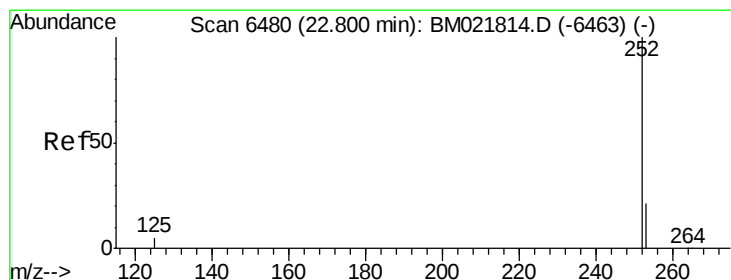
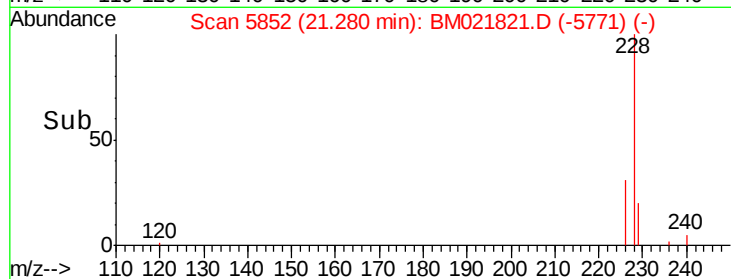
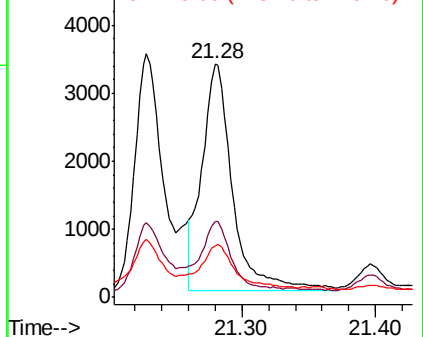
229 22.3 16.6 25.0



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: 0.332 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.01 min

Lab File: BM021821.D

Acq: 04 Aug 2019 20:15

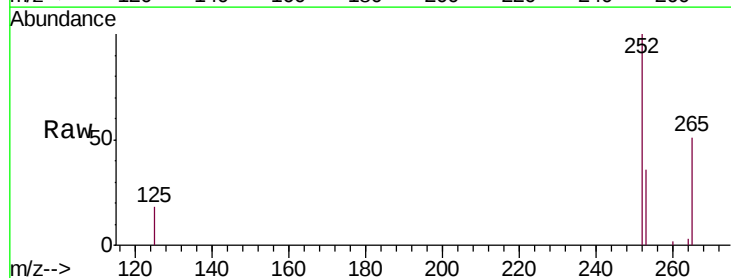
Tgt Ion:252 Resp: 8126

Ion Ratio Lower Upper

252 100

253 36.4 0.0 67.4

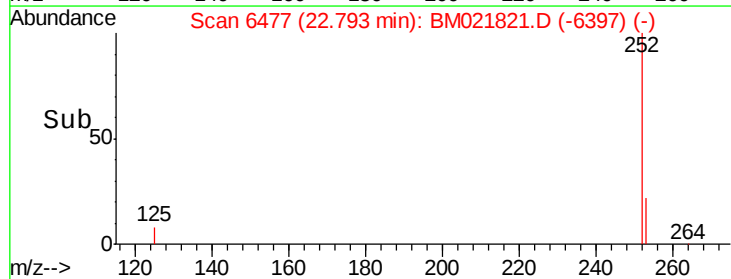
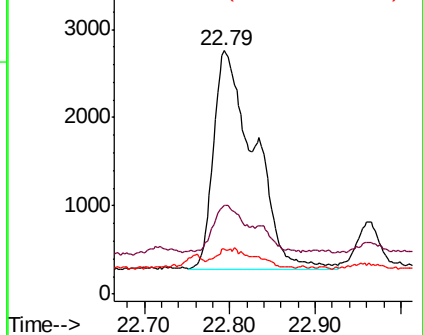
125 18.3 0.0 31.0

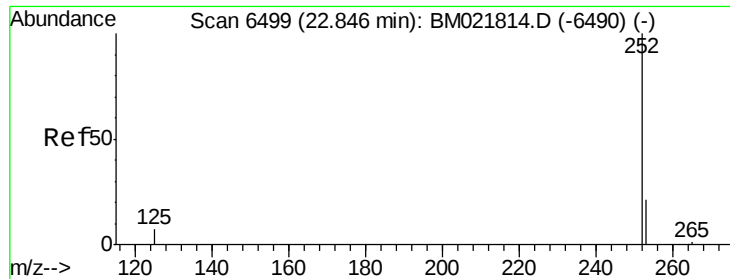


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.293 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.05 min

Lab File: BM021821.D

Acq: 04 Aug 2019 20:15

Instrument :

BNA_M

ClientSampleId :

BENR8DL

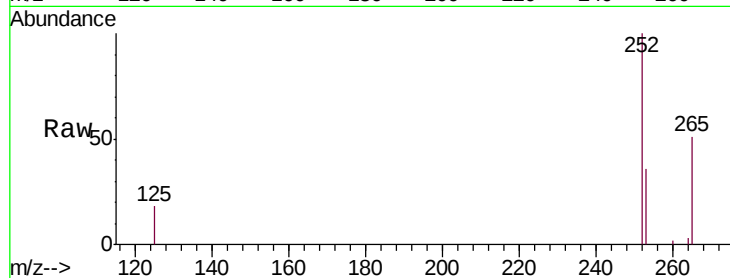
Tgt Ion:252 Resp: 8126

Ion Ratio Lower Upper

252 100

253 36.4 27.0 40.4

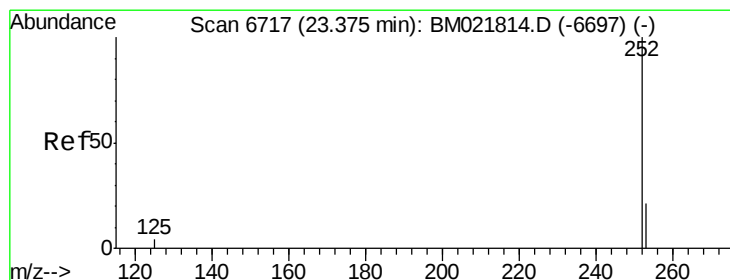
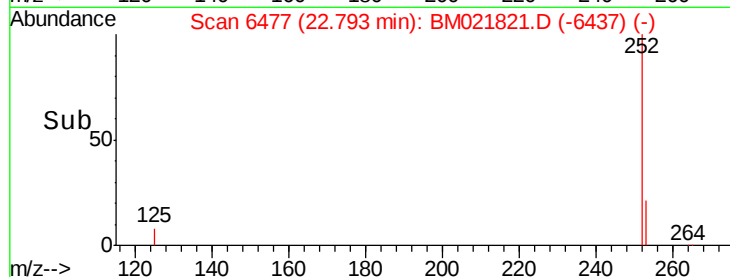
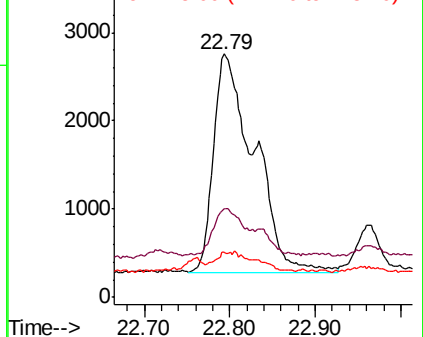
125 18.3 12.2 18.2#



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: 0.187 ng/ul

RT: 23.36 min Scan# 6711

Delta R.T. -0.01 min

Lab File: BM021821.D

Acq: 04 Aug 2019 20:15

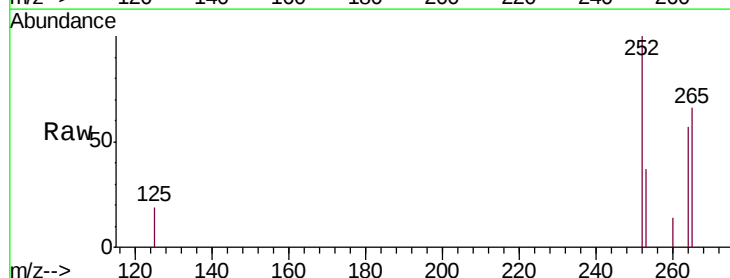
Tgt Ion:252 Resp: 4651

Ion Ratio Lower Upper

252 100

253 37.0 31.7 47.5

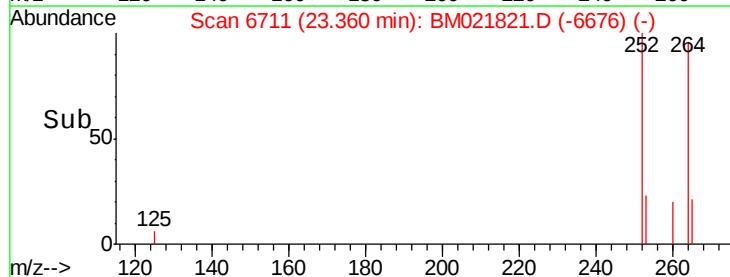
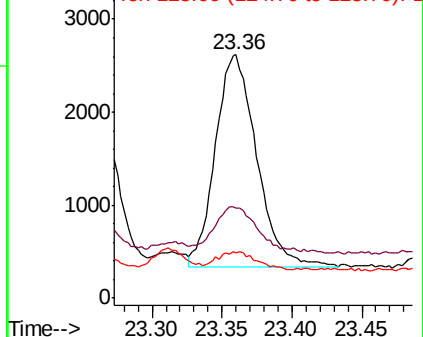
125 18.7 14.6 21.8

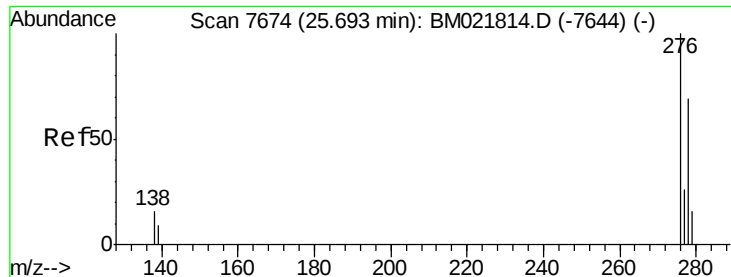


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



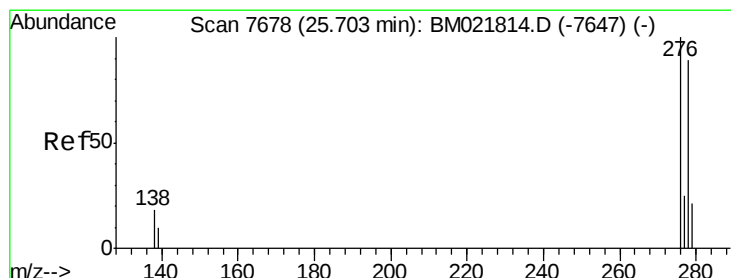
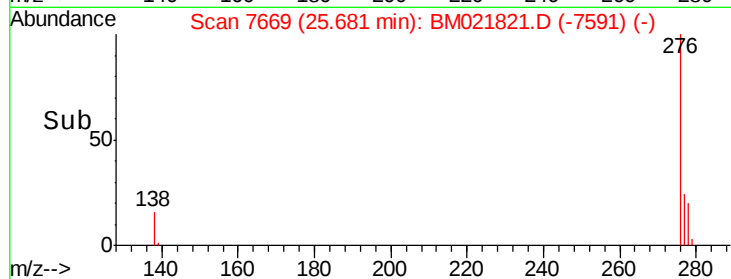
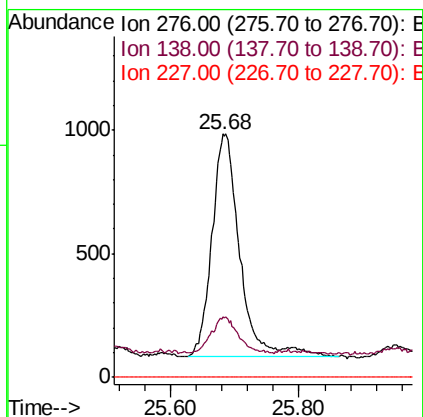
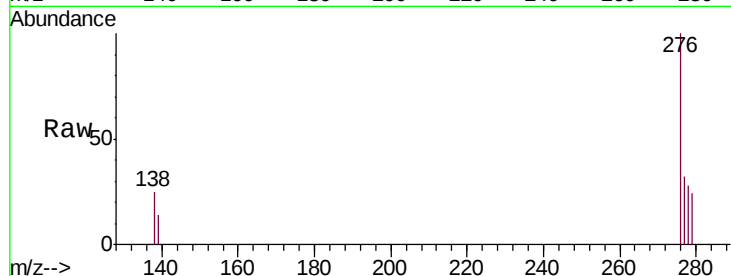


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.091 ng/u1
RT: 25.68 min Scan# 7669
Delta R.T. -0.01 min
Lab File: BM021821.D
Acq: 04 Aug 2019 20:15

Instrument :
BNA_M
ClientSampleId :
BENR8DL

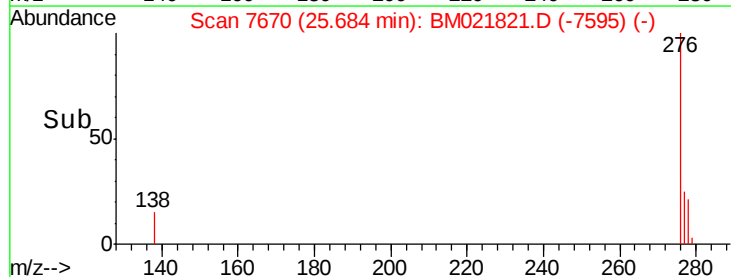
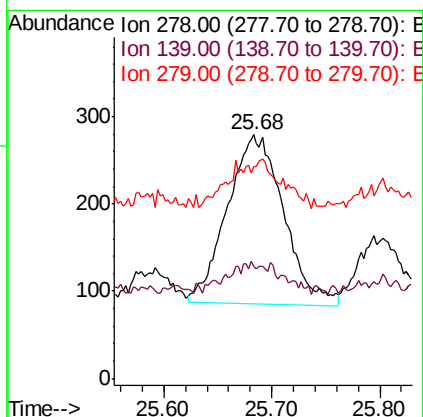
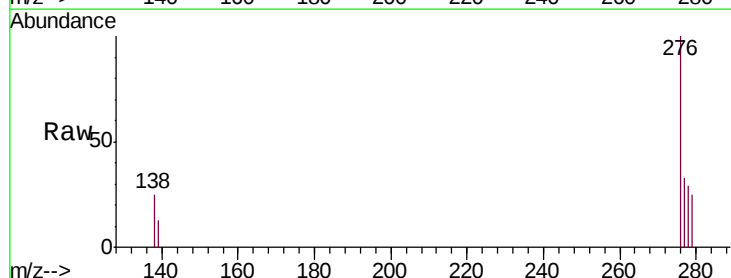
Tgt Ion:276 Resp: 2702
Ion Ratio Lower Upper
276 100
138 16.1 15.1 22.7
227 0.0 0.0 0.0

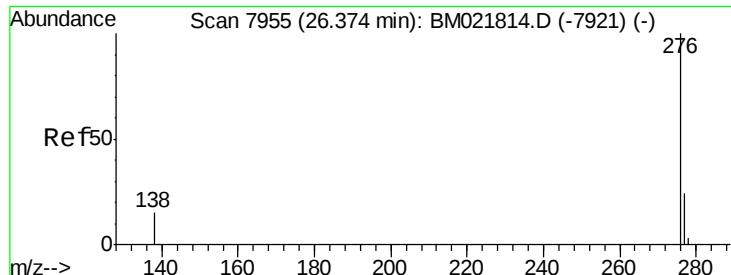


#25

Dibenzo(a,h)anthracene
Concen: 0.029 ng/u1
RT: 25.68 min Scan# 7670
Delta R.T. -0.02 min
Lab File: BM021821.D
Acq: 04 Aug 2019 20:15

Tgt Ion:278 Resp: 702
Ion Ratio Lower Upper
278 100
139 46.2 14.2 21.2#
279 87.1 28.3 42.5#





#26

Benzo(g,h,i)perylene

Concen: 0.104 ng/ul

RT: 26.36 min Scan# 7951

Delta R.T. -0.01 min

Lab File: BM021821.D

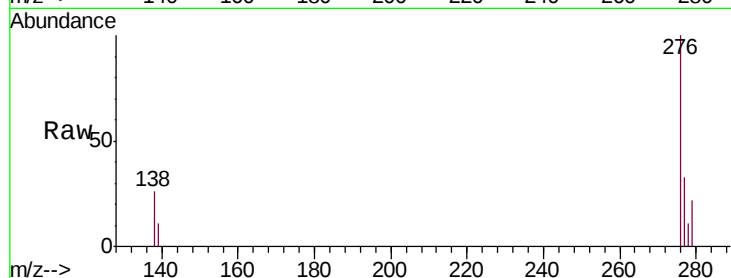
Acq: 04 Aug 2019 20:15

Instrument :

BNA_M

ClientSampleId :

BENR8DL



Tgt Ion: 276 Resp: 2783

Ion Ratio Lower Upper

276 100

138 26.5 15.5 23.3#

277 32.8 21.4 32.2#

