

Data File : BM021810.D
Acq On : 04 Aug 2019 13:34
Operator : HP/JU
Sample : K3850-14RE
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENS1

Quant Time: Aug 05 05:30:15 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 05:26:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	996	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	3999	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.29	164	2394	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	6025	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	6340	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	10420	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	850	0.13	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	3022	0.15	ng/ul	-0.01

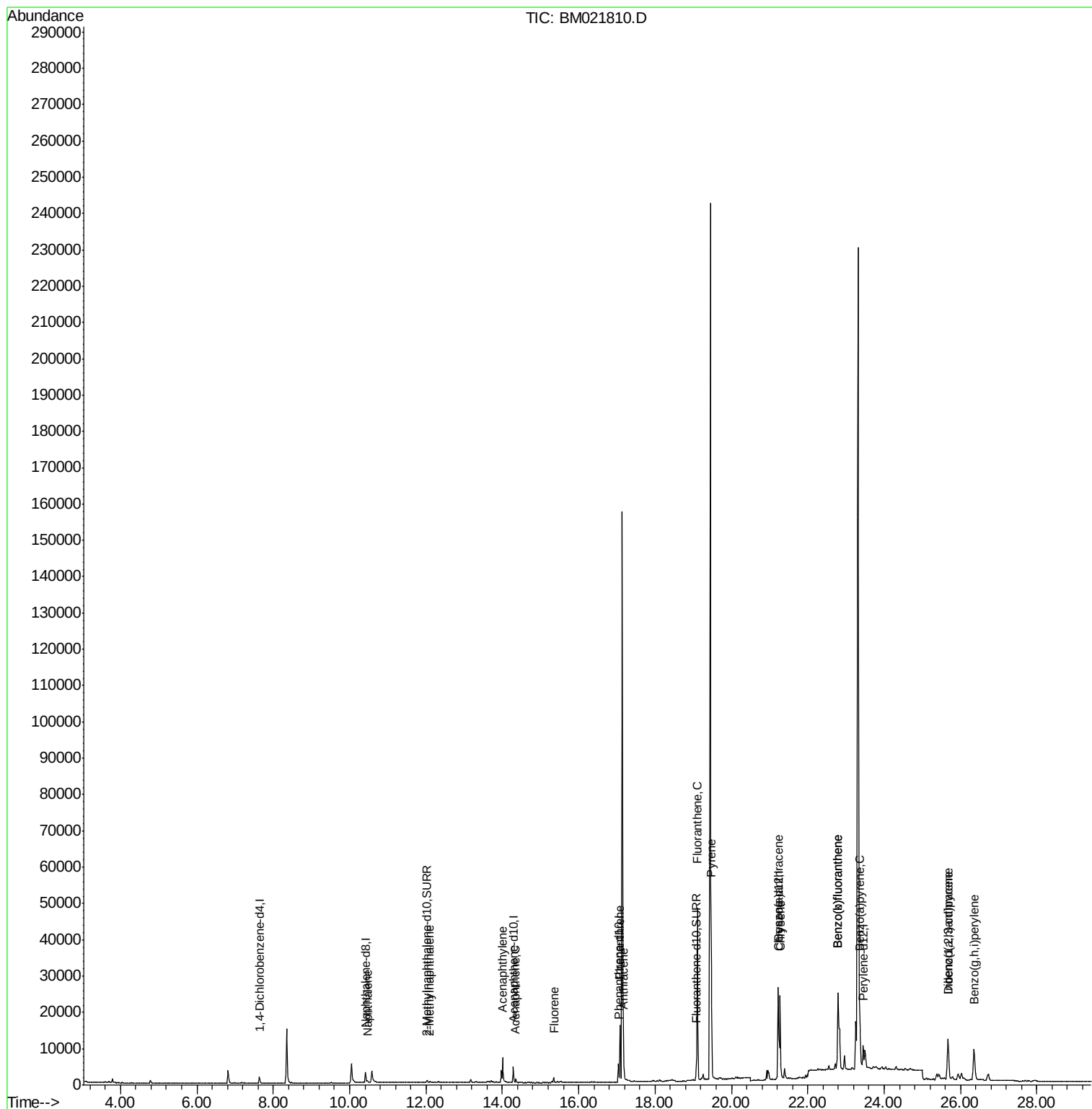
Target Compounds				Qvalue		
3) Naphthalene	10.46	128	479	0.042	ng/ul#	71
5) 2-Methylnaphthalene	12.10	142	351	0.047	ng/ul	92
7) Acenaphthylene	14.01	152	2239	0.201	ng/ul	98
8) Acenaphthene	14.35	153	593	0.065	ng/ul	96
9) Fluorene	15.35	166	866	0.085	ng/ul#	98
12) Phenanthrene	17.08	178	16648	0.950	ng/ul	97
13) Anthracene	17.18	178	3702	0.248	ng/ul	96
15) Fluoranthene	19.11	202	42525	1.811	ng/ul	95
17) Pyrene	19.47	202	35517	1.363	ng/ul	98
18) Benzo(a)anthracene	21.22	228	20983	0.925	ng/ul	98
19) Chrysene	21.28	228	23909	0.820	ng/ul	97
21) Benzo(b)fluoranthene	22.79	252	49271	1.402	ng/ul	88
22) Benzo(k)fluoranthene	22.79	252	49271	1.239	ng/ul#	88
23) Benzo(a)pyrene	23.36	252	23343	0.653	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	25.67	276	19725	0.462	ng/ul#	88
25) Dibenzo(a,h)anthracene	25.68	278	4558	0.132	ng/ul#	77
26) Benzo(g,h,i)perylene	26.35	276	18895	0.492	ng/ul	97

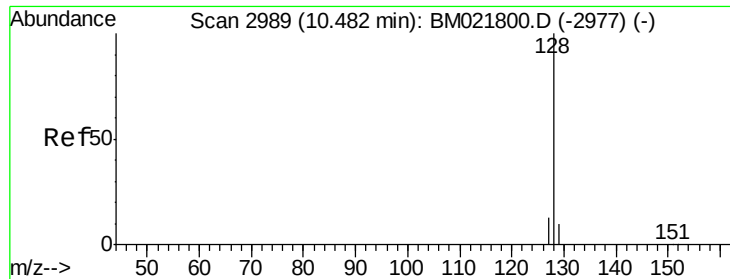
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.042 ng/ul

RT: 10.46 min Scan# 2985

Delta R.T. -0.02 min

Lab File: BM021810.D

Acq: 04 Aug 2019 13:34

Instrument :

BNA_M

ClientSampleId :

BENS1

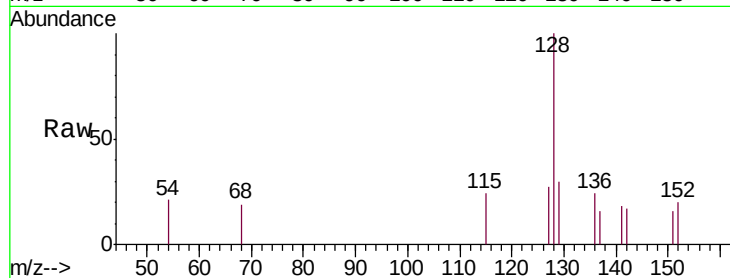
Tgt Ion:128 Resp: 479

Ion Ratio Lower Upper

128 100

129 29.5 12.3 18.5#

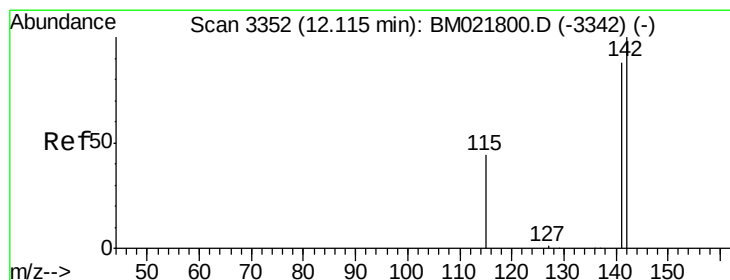
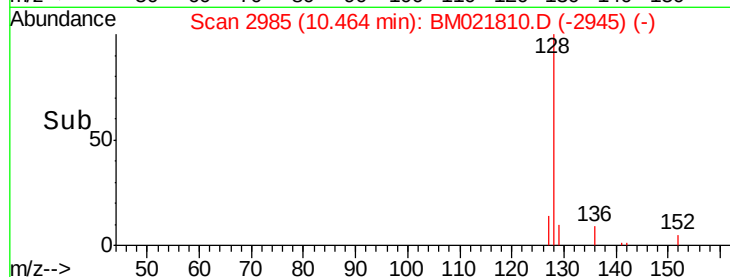
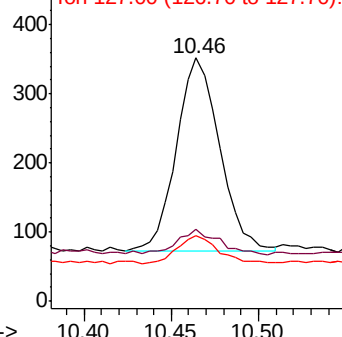
127 26.7 13.0 19.6#



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: 0.047 ng/ul

RT: 12.10 min Scan# 3349

Delta R.T. -0.01 min

Lab File: BM021810.D

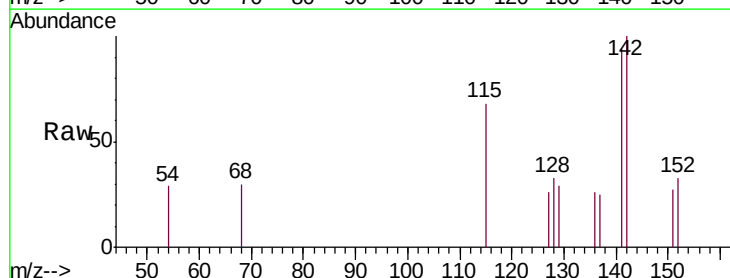
Acq: 04 Aug 2019 13:34

Tgt Ion:142 Resp: 351

Ion Ratio Lower Upper

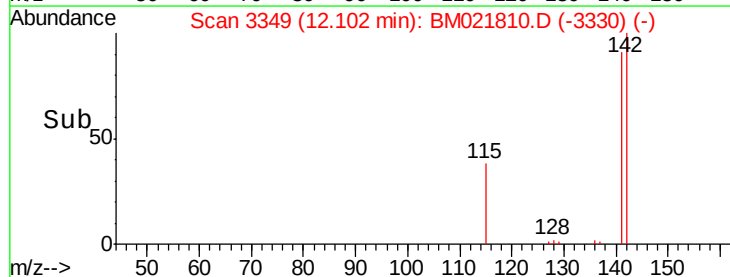
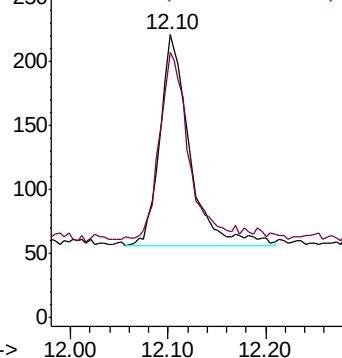
142 100

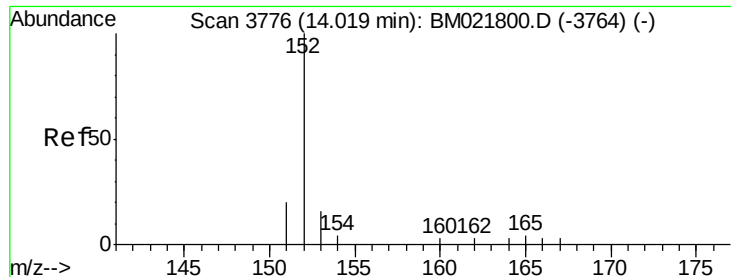
141 84.9 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.201 ng/ul

RT: 14.01 min Scan# 3773

Delta R.T. -0.01 min

Lab File: BM021810.D

Acq: 04 Aug 2019 13:34

Instrument :

BNA_M

ClientSampleId :

BENS1

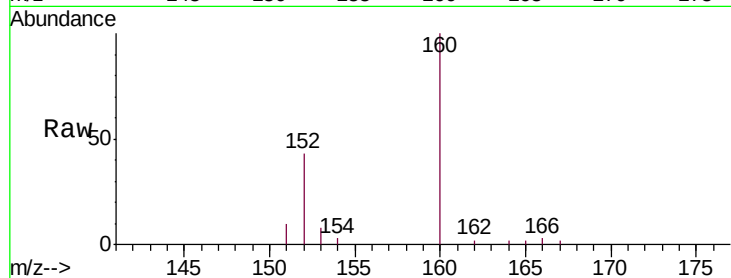
Tgt Ion:152 Resp: 2239

Ion Ratio Lower Upper

152 100

151 23.2 18.3 27.5

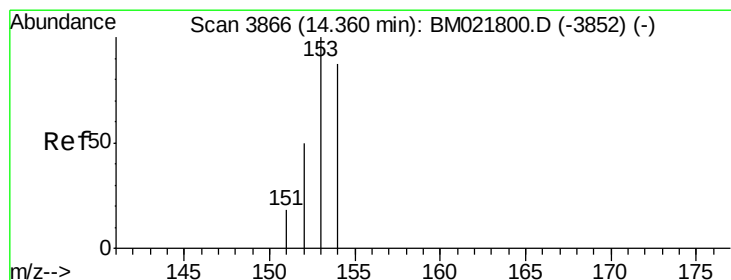
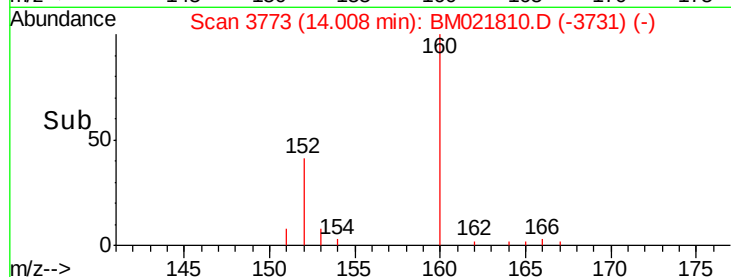
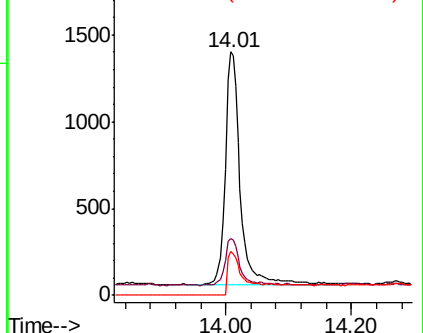
153 17.9 12.8 19.2



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: 0.065 ng/ul

RT: 14.35 min Scan# 3863

Delta R.T. -0.01 min

Lab File: BM021810.D

Acq: 04 Aug 2019 13:34

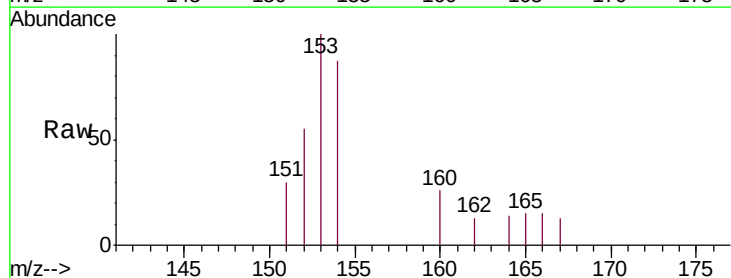
Tgt Ion:153 Resp: 593

Ion Ratio Lower Upper

153 100

152 54.7 41.3 61.9

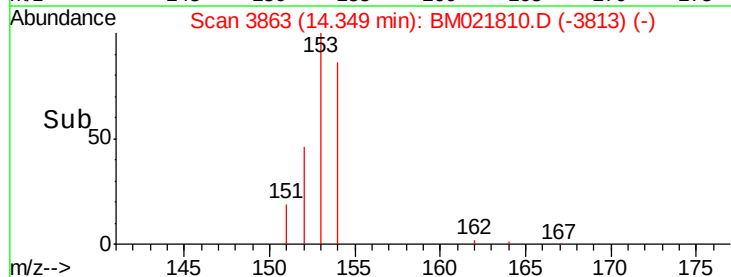
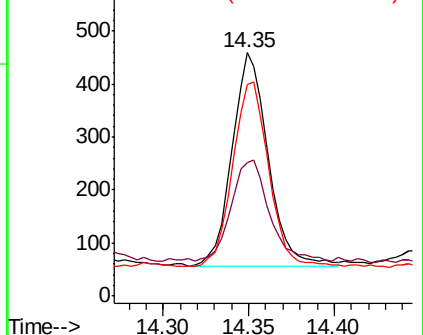
154 86.9 72.3 108.5

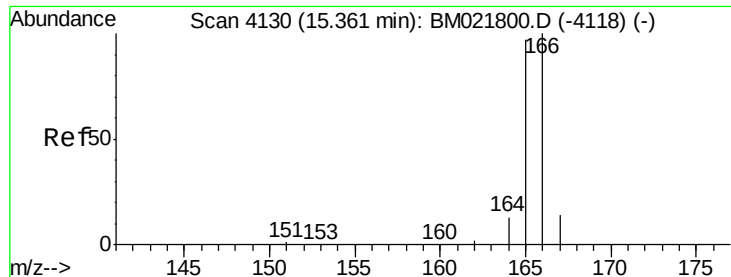


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

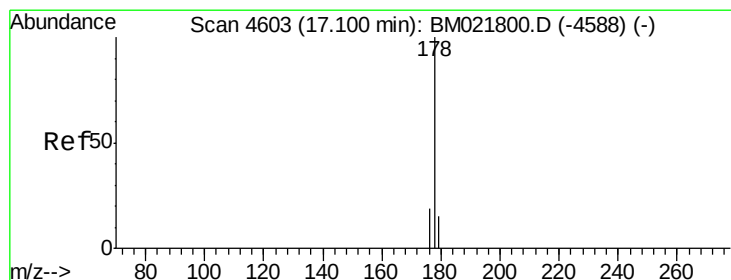
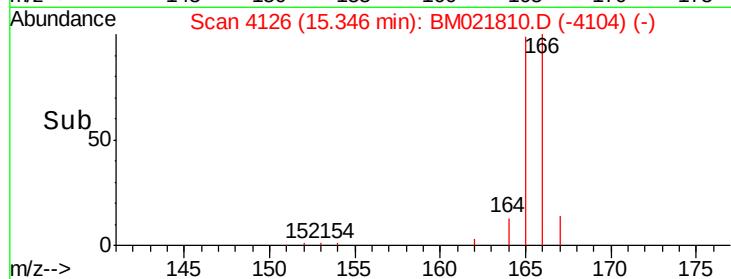
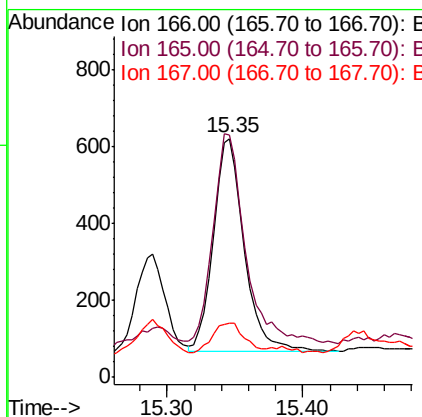
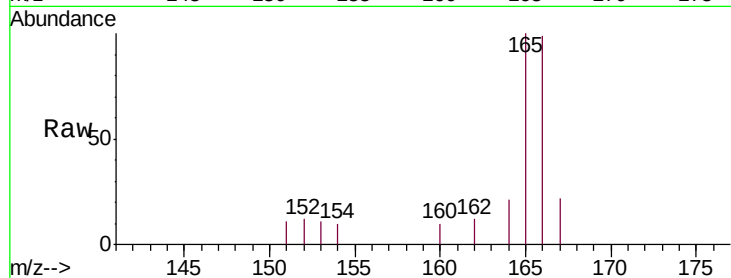




#9
Fluorene
 Concen: 0.085 ng/ul
 RT: 15.35 min Scan# 4126
 Delta R.T. -0.02 min
 Lab File: BM021810.D
 Acq: 04 Aug 2019 13:34

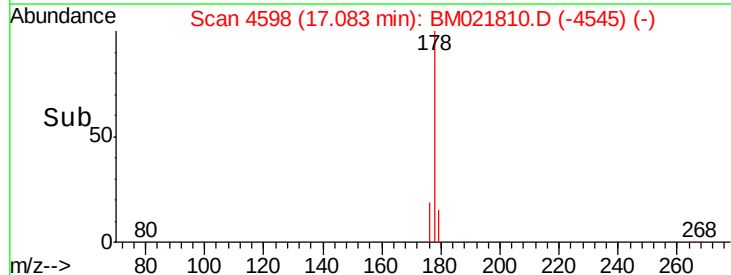
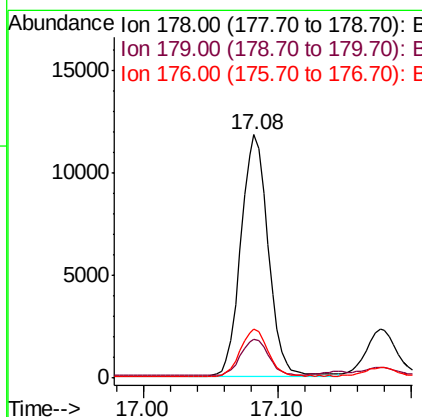
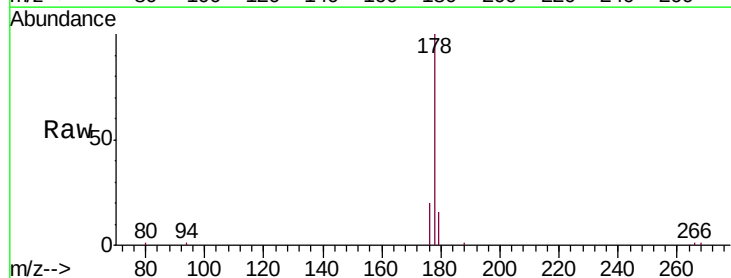
Instrument :
 BNA_M
 ClientSampleId :
 BENS1

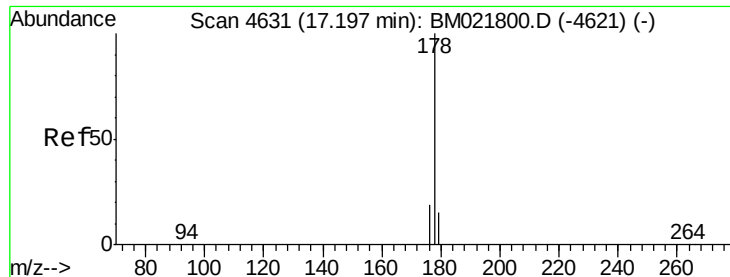
Tgt Ion:166 Resp: 866
 Ion Ratio Lower Upper
 166 100
 165 101.3 81.4 122.0
 167 22.6 13.7 20.5#



#12
Phenanthrene
 Concen: 0.950 ng/ul
 RT: 17.08 min Scan# 4598
 Delta R.T. -0.02 min
 Lab File: BM021810.D
 Acq: 04 Aug 2019 13:34

Tgt Ion:178 Resp: 16648
 Ion Ratio Lower Upper
 178 100
 179 16.0 14.2 21.2
 176 19.9 16.8 25.2





#13

Anthracene

Concen: 0.248 ng/ul

RT: 17.18 min Scan# 4625

Delta R.T. -0.02 min

Lab File: BM021810.D

Acq: 04 Aug 2019 13:34

Instrument :

BNA_M

ClientSampleId :

BENS1

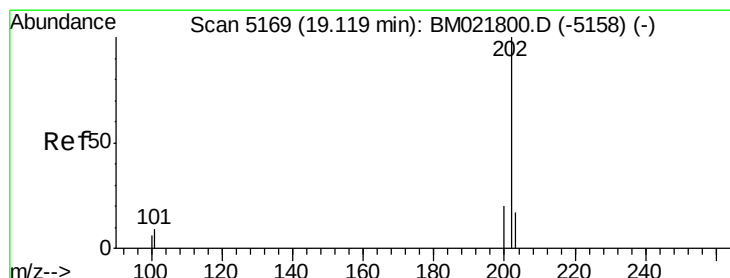
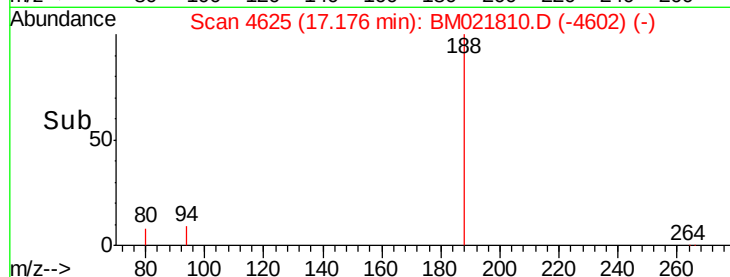
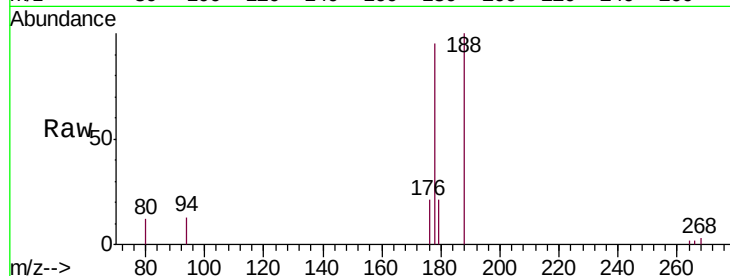
Tgt Ion:178 Resp: 3702

Ion Ratio Lower Upper

178 100

179 21.6 15.5 23.3

176 21.9 16.6 25.0



#15

Fluoranthene

Concen: 1.811 ng/ul

RT: 19.11 min Scan# 5166

Delta R.T. -0.01 min

Lab File: BM021810.D

Acq: 04 Aug 2019 13:34

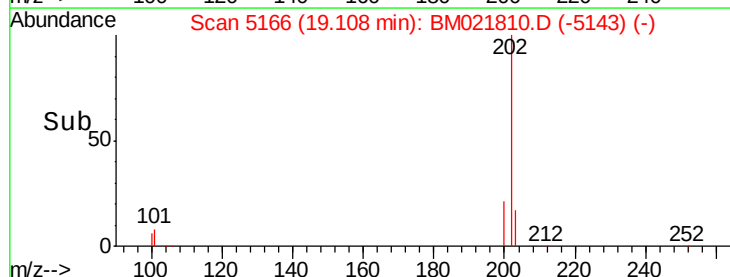
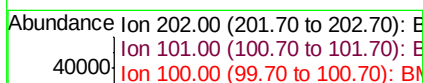
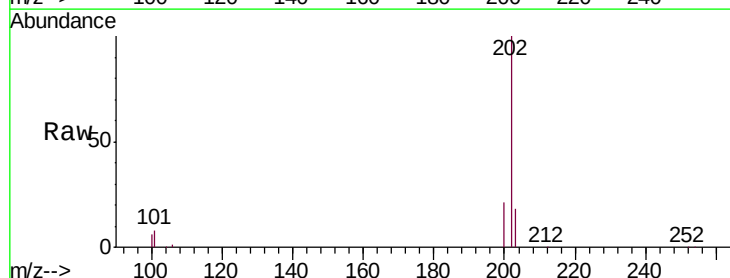
Tgt Ion:202 Resp: 42525

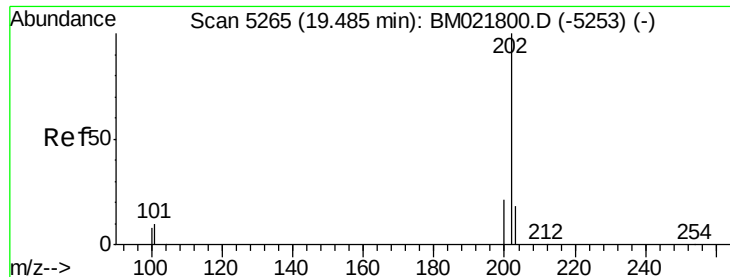
Ion Ratio Lower Upper

202 100

101 8.2 0.0 30.2

100 6.1 0.0 28.1

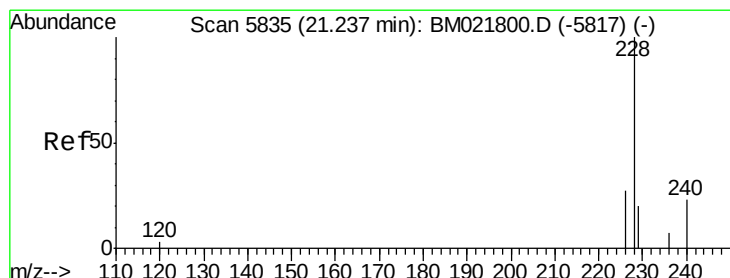
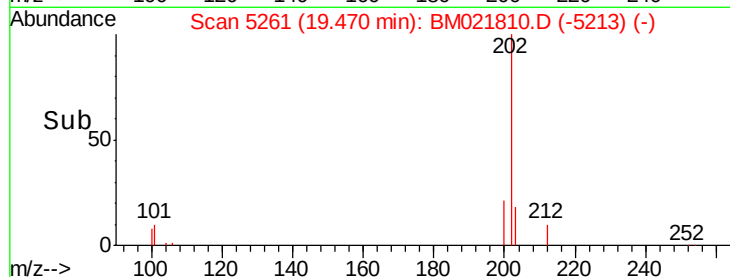
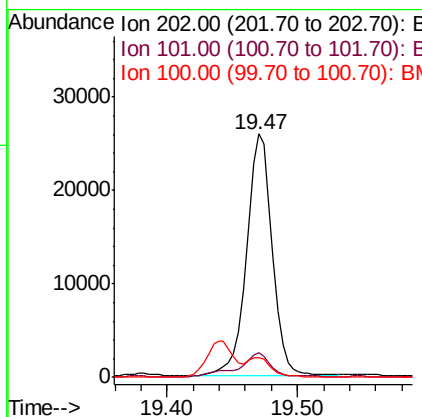
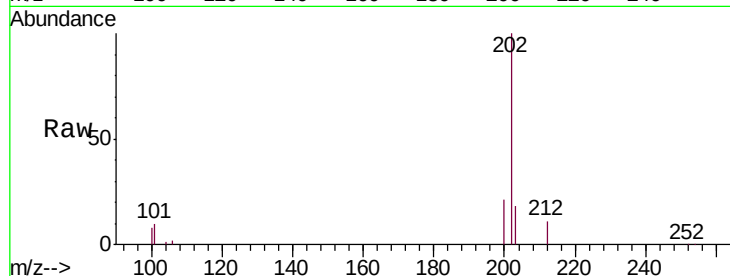




#17
 Pyrene
 Concen: 1.363 ng/ul
 RT: 19.47 min Scan# 5261
 Delta R.T. -0.02 min
 Lab File: BM021810.D
 Acq: 04 Aug 2019 13:34

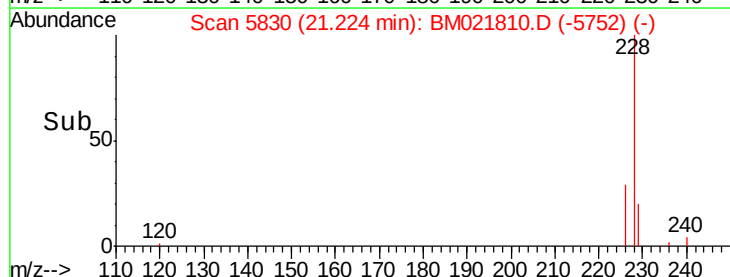
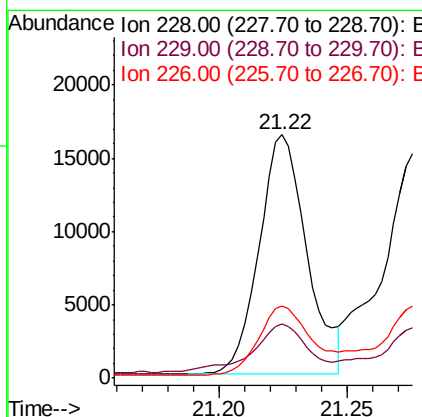
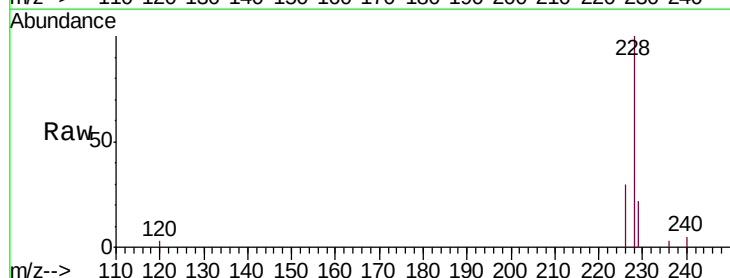
Instrument :
 BNA_M
 ClientSampleId :
 BENS1

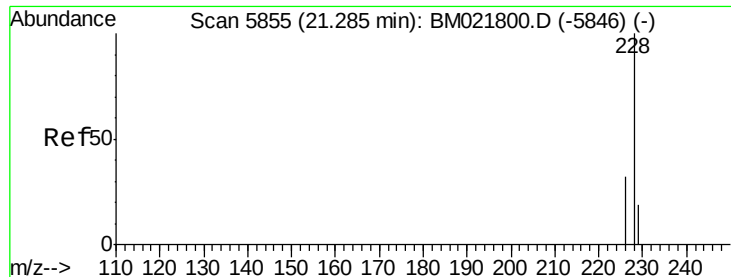
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	8.3	12.5
100	8.2	7.2	10.8



#18
 Benzo(a)anthracene
 Concen: 0.925 ng/ul
 RT: 21.22 min Scan# 5830
 Delta R.T. -0.01 min
 Lab File: BM021810.D
 Acq: 04 Aug 2019 13:34

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.1	17.2	25.8
226	29.5	22.6	34.0





#19

Chrysene

Concen: 0.820 ng/ul

RT: 21.28 min Scan# 5851

Delta R.T. -0.01 min

Lab File: BM021810.D

Acq: 04 Aug 2019 13:34

Instrument :

BNA_M

ClientSampleId :

BENS1

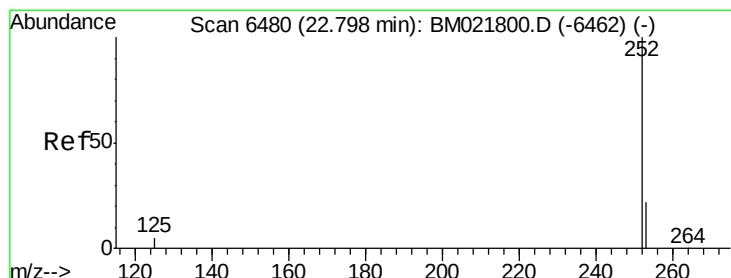
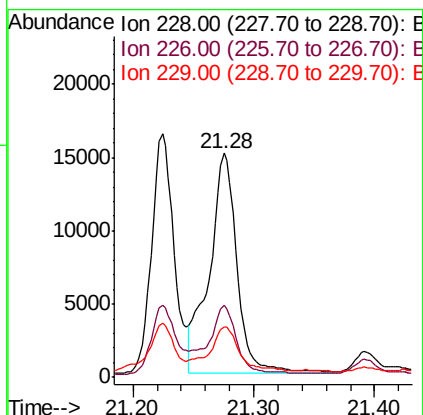
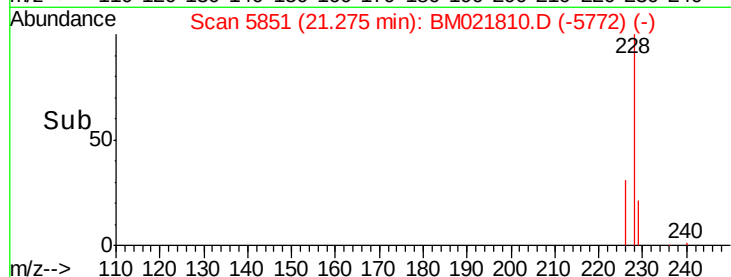
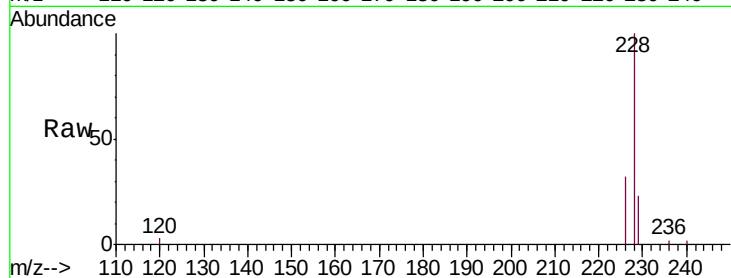
Tgt Ion:228 Resp: 23909

Ion Ratio Lower Upper

228 100

226 32.2 24.9 37.3

229 22.7 16.6 25.0



#21

Benzo(b)fluoranthene

Concen: 1.402 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.01 min

Lab File: BM021810.D

Acq: 04 Aug 2019 13:34

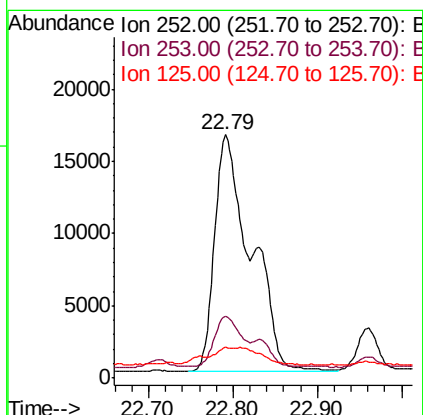
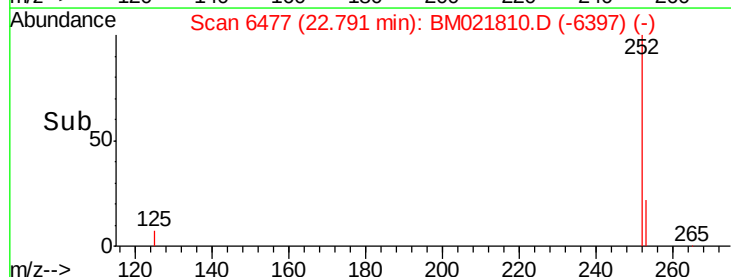
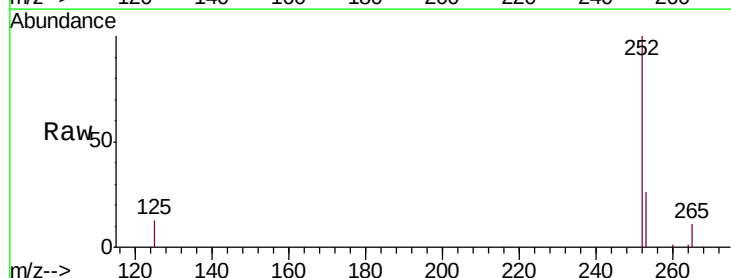
Tgt Ion:252 Resp: 49271

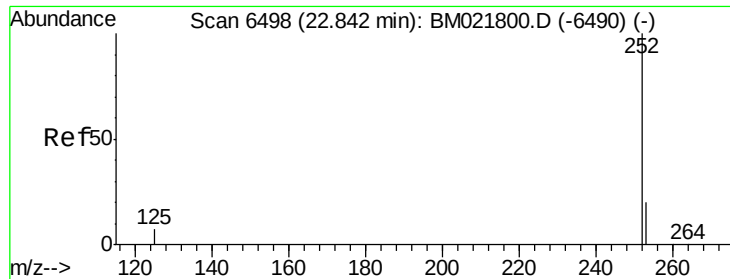
Ion Ratio Lower Upper

252 100

253 25.6 0.0 67.4

125 12.5 0.0 31.0





#22

Benzo(k)fluoranthene

Concen: 1.239 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.05 min

Lab File: BM021810.D

Acq: 04 Aug 2019 13:34

Instrument :

BNA_M

ClientSampleId :

BENS1

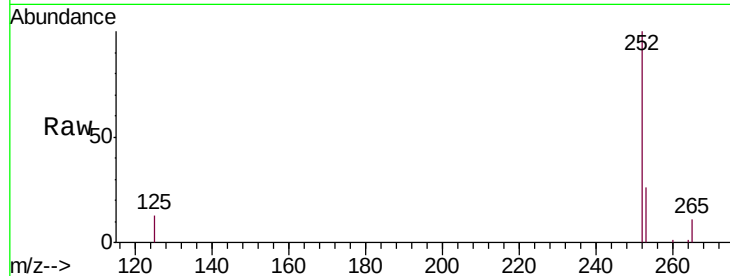
Tgt Ion:252 Resp: 49271

Ion Ratio Lower Upper

252 100

253 25.6 27.0 40.4#

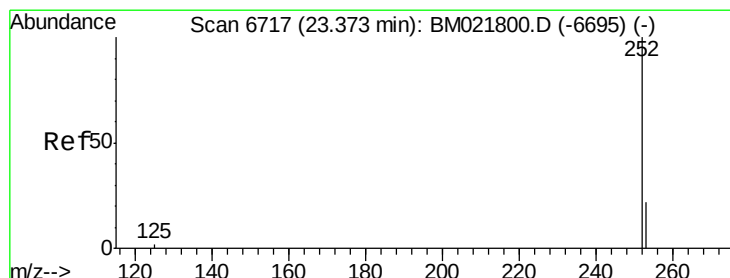
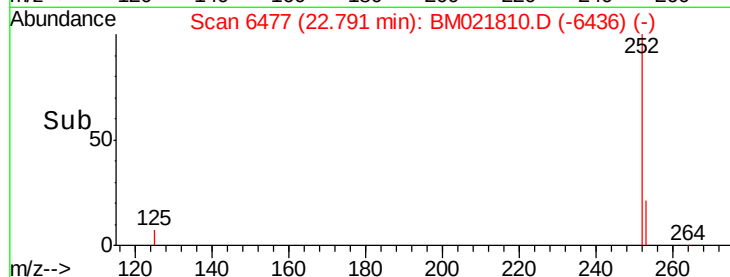
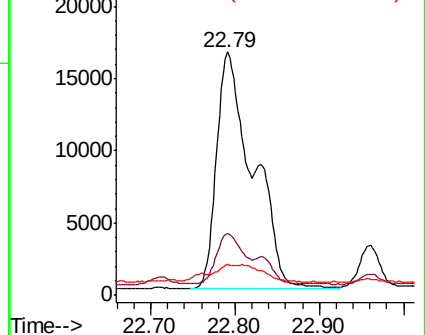
125 12.5 12.2 18.2



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: 0.653 ng/ul

RT: 23.36 min Scan# 6710

Delta R.T. -0.02 min

Lab File: BM021810.D

Acq: 04 Aug 2019 13:34

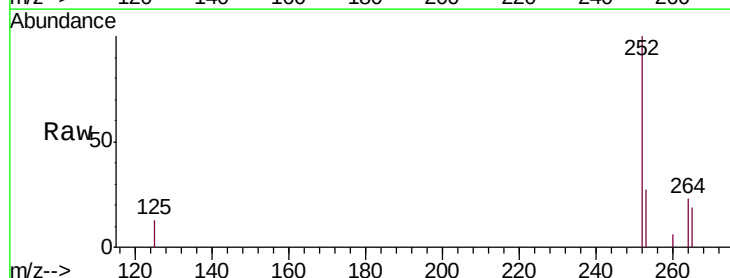
Tgt Ion:252 Resp: 23343

Ion Ratio Lower Upper

252 100

253 26.7 31.7 47.5#

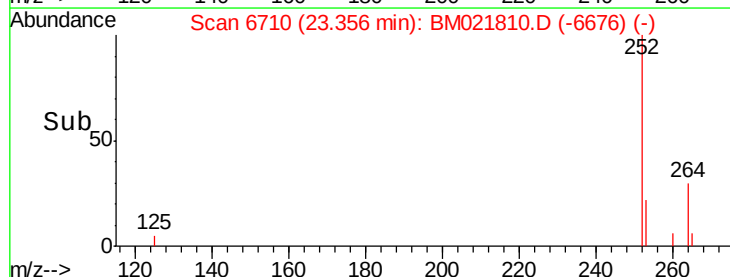
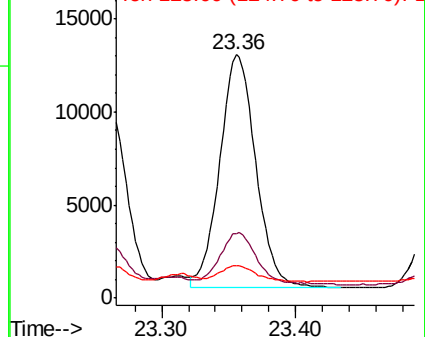
125 13.4 14.6 21.8#

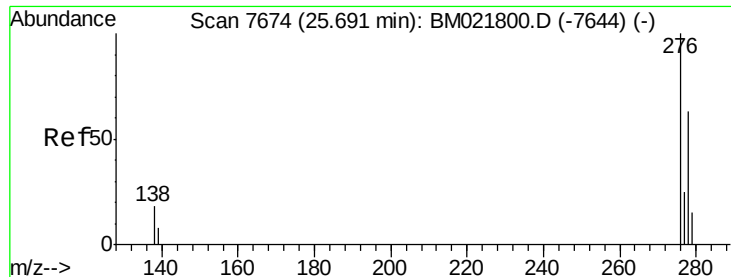


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.462 ng/ul

RT: 25.67 min Scan# 7667

Delta R.T. -0.02 min

Lab File: BM021810.D

Acq: 04 Aug 2019 13:34

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ClientSampleId :

BENS1

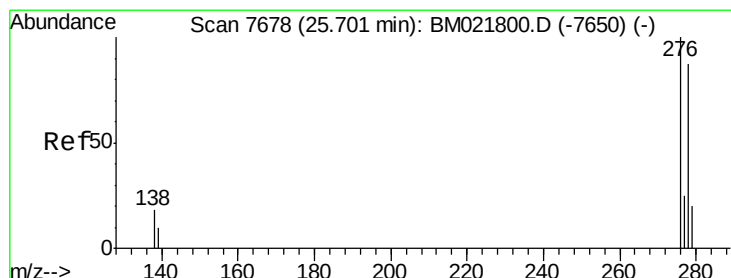
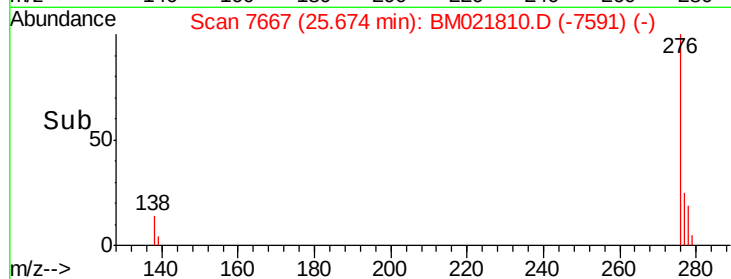
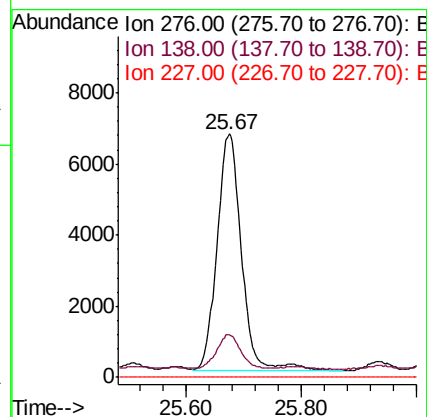
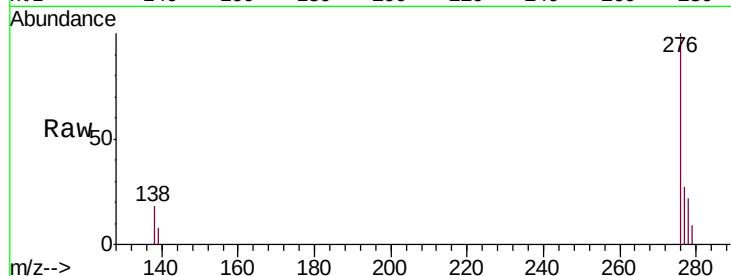
Tgt Ion:276 Resp: 19725

Ion Ratio Lower Upper

276 100

138 13.6 15.1 22.7#

227 0.0 0.0 0.0



#25

Dibenzo(a,h)anthracene

Concen: 0.132 ng/ul

RT: 25.68 min Scan# 7668

Delta R.T. -0.02 min

Lab File: BM021810.D

Acq: 04 Aug 2019 13:34

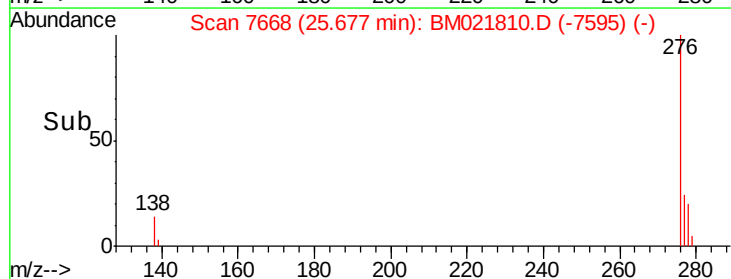
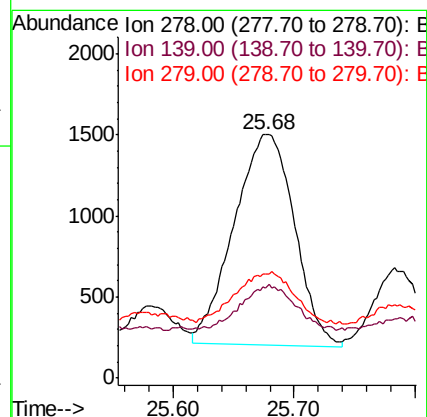
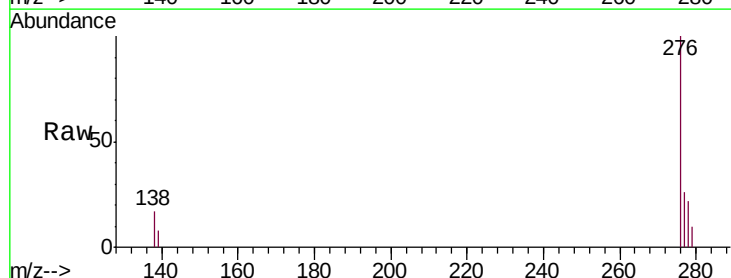
Tgt Ion:278 Resp: 4558

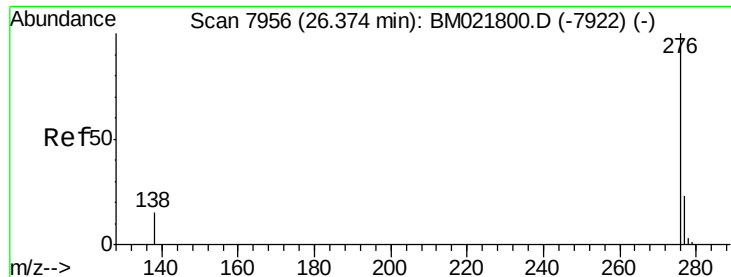
Ion Ratio Lower Upper

278 100

139 36.9 14.2 21.2#

279 43.0 28.3 42.5#





#26

Benzo(g,h,i)perylene

Concen: 0.492 ng/ul

RT: 26.35 min Scan# 7947

Delta R.T. -0.02 min

Lab File: BM021810.D

Acq: 04 Aug 2019 13:34

Instrument :

BNA_M

ClientSampleId :

BENS1

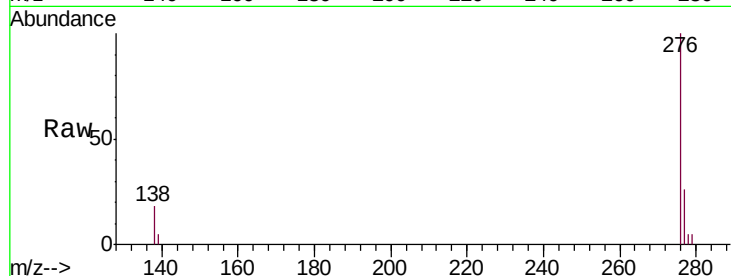
Tgt Ion: 276 Resp: 18895

Ion Ratio Lower Upper

276 100

138 17.6 15.5 23.3

277 25.6 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

