

Data File : BM021817.D
Acq On : 04 Aug 2019 17:49
Operator : HP/JU
Sample : K3850-17DL 10X
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENS3DL

Quant Time: Aug 05 07:00:14 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	760	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	3155	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	1853	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	4270	0.40	ng/ul	-0.01
16) Chrysene-d12	21.24	240	4585	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	6221	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	94	0.02	ng/ul	0.02
14) Fluoranthene-d10	19.08	212	297	0.02	ng/ul	0.00

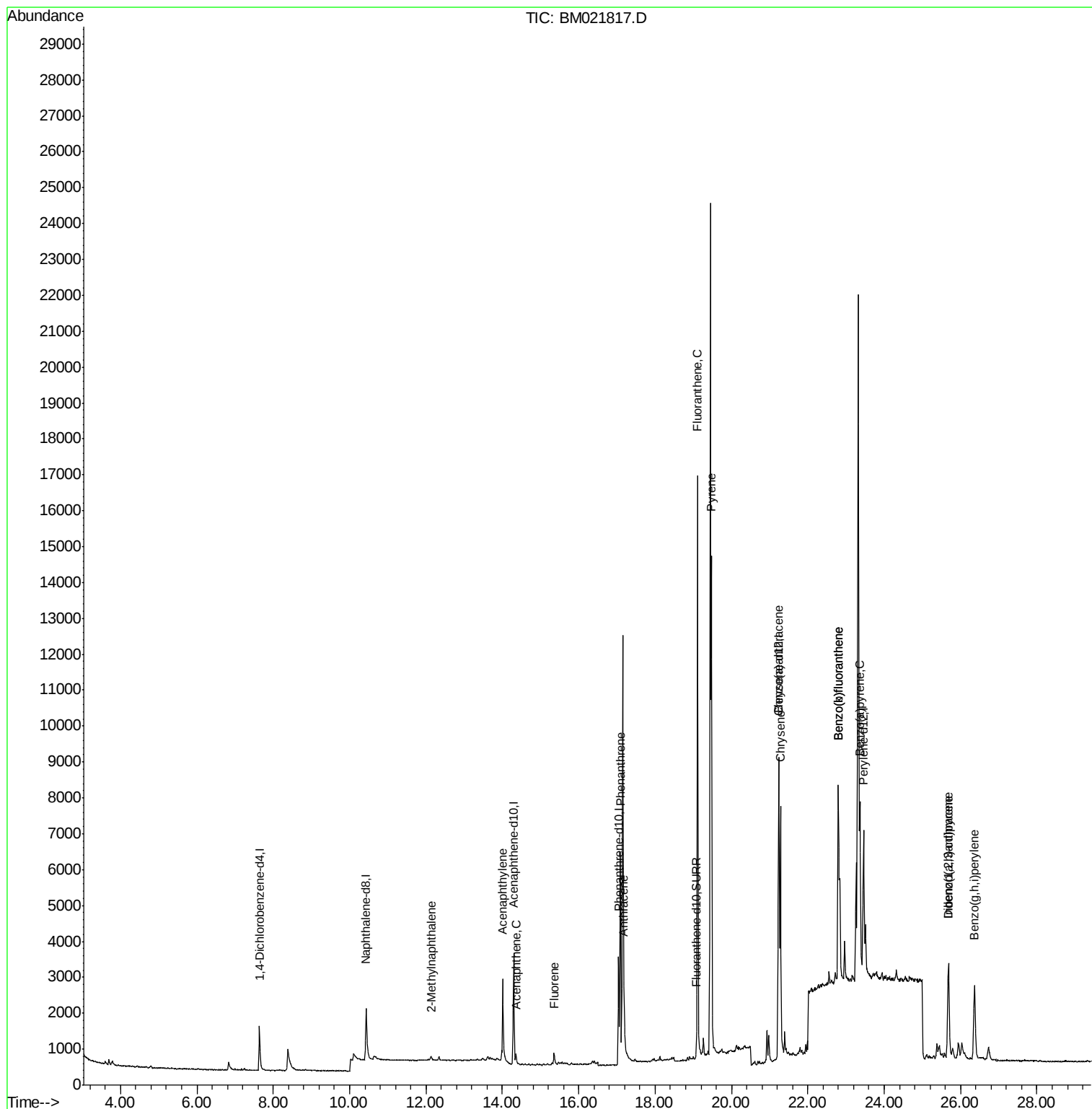
Target Compounds				Qvalue		
5) 2-Methylnaphthalene	12.13	142	137	0.023	ng/ul	81
7) Acenaphthylene	14.01	152	874	0.101	ng/ul#	83
8) Acenaphthene	14.36	153	166	0.023	ng/ul#	91
9) Fluorene	15.36	166	300	0.038	ng/ul#	90
12) Phenanthrene	17.09	178	7097	0.571	ng/ul	99
13) Anthracene	17.19	178	1471	0.139	ng/ul#	90
15) Fluoranthene	19.11	202	15270	0.917	ng/ul	97
17) Pyrene	19.47	202	12591	0.668	ng/ul	98
18) Benzo(a)anthracene	21.23	228	7591	0.463	ng/ul	98
19) Chrysene	21.28	228	7003	0.332	ng/ul	96
21) Benzo(b)fluoranthene	22.80	252	13591	0.648	ng/ul	97
22) Benzo(k)fluoranthene	22.80	252	13591	0.572	ng/ul	97
23) Benzo(a)pyrene	23.36	252	6118	0.287	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	25.68	276	4878	0.191	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.69	278	1212	0.059	ng/ul#	47
26) Benzo(g,h,i)perylene	26.36	276	4600	0.201	ng/ul	95

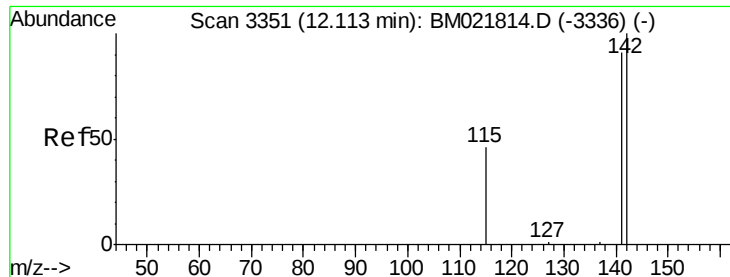
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

2-Methylnaphthalene

Concen: 0.023 ng/ul

RT: 12.13 min Scan# 3354

Delta R.T. 0.01 min

Lab File: BM021817.D

Acq: 04 Aug 2019 17:49

Instrument :

BNA_M

ClientSampleId :

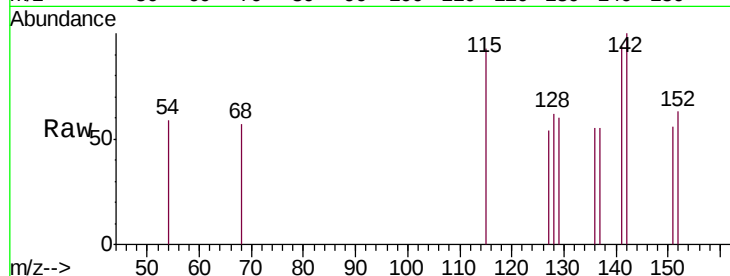
BENS3DL

Tgt Ion:142 Resp: 137

Ion Ratio Lower Upper

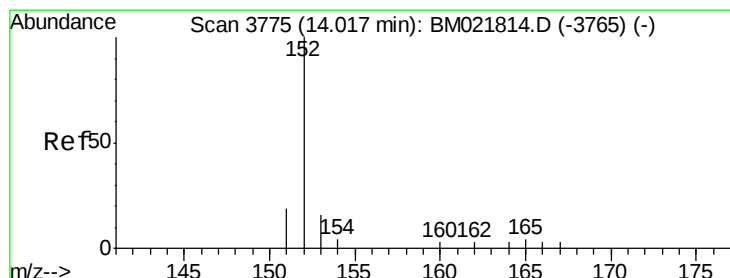
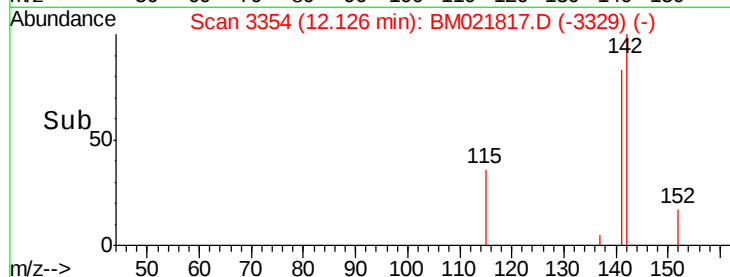
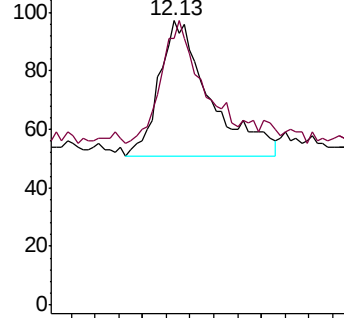
142 100

141 74.5 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: 0.101 ng/ul

RT: 14.01 min Scan# 3774

Delta R.T. -0.00 min

Lab File: BM021817.D

Acq: 04 Aug 2019 17:49

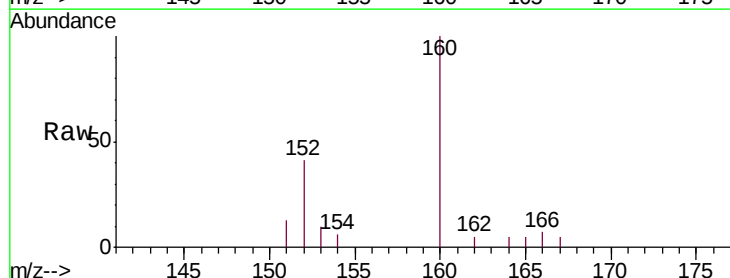
Tgt Ion:152 Resp: 874

Ion Ratio Lower Upper

152 100

151 30.4 18.3 27.5#

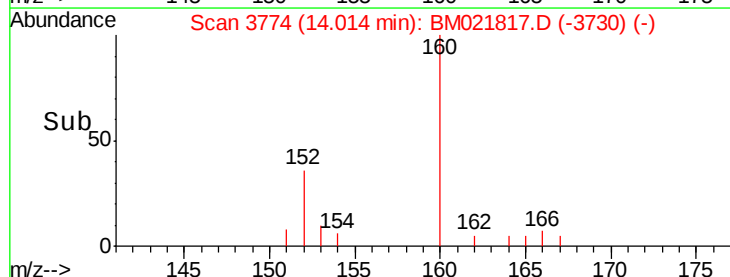
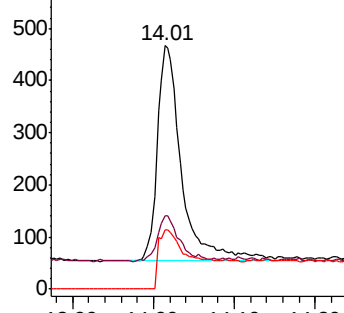
153 24.4 12.8 19.2#

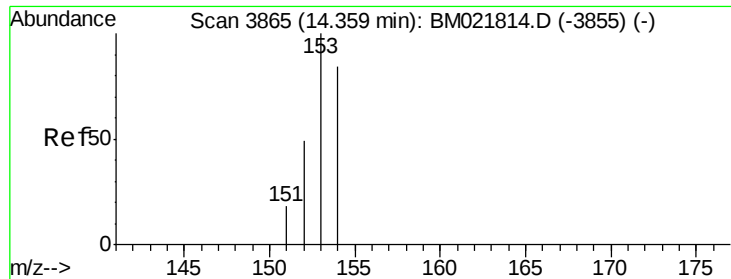


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.023 ng/ul

RT: 14.36 min Scan# 3865

Delta R.T. 0.00 min

Lab File: BM021817.D

Acq: 04 Aug 2019 17:49

Instrument :

BNA_M

ClientSampleId :

BENS3DL

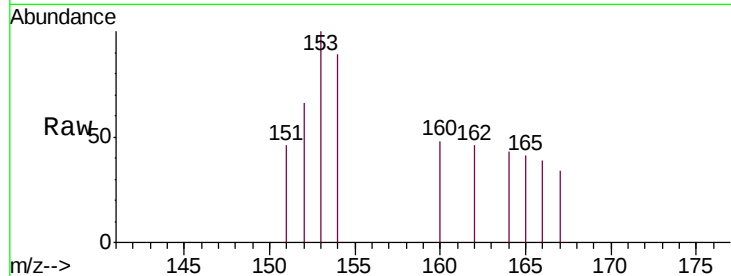
Tgt Ion:153 Resp: 166

Ion Ratio Lower Upper

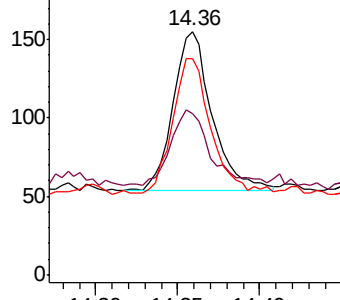
153 100

152 66.5 41.3 61.9#

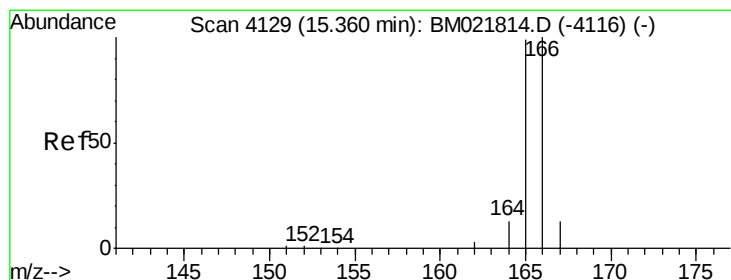
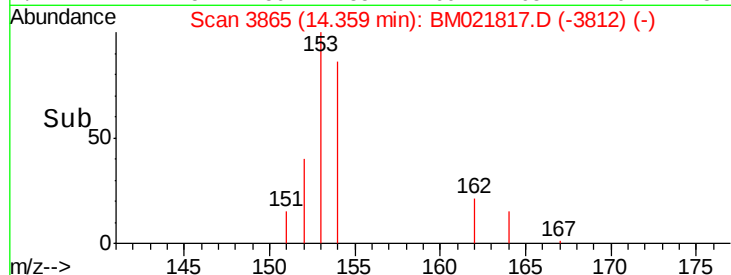
154 89.0 72.3 108.5



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



Time-->



#9

Fluorene

Concen: 0.038 ng/ul

RT: 15.36 min Scan# 4128

Delta R.T. -0.00 min

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Acq: 04 Aug 2019 17:49

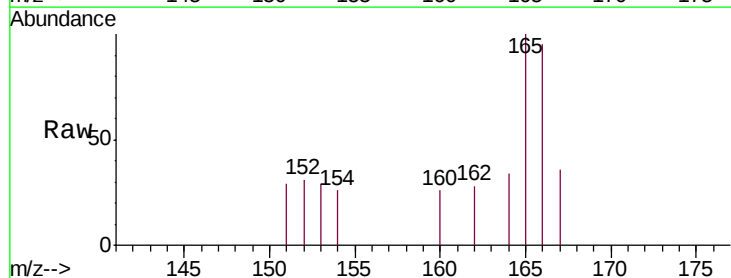
Tgt Ion:166 Resp: 300

Ion Ratio Lower Upper

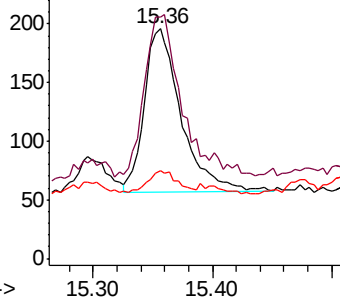
166 100

165 105.1 81.4 122.0

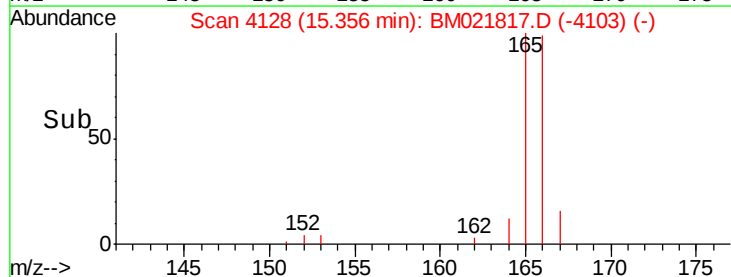
167 38.3 13.7 20.5#

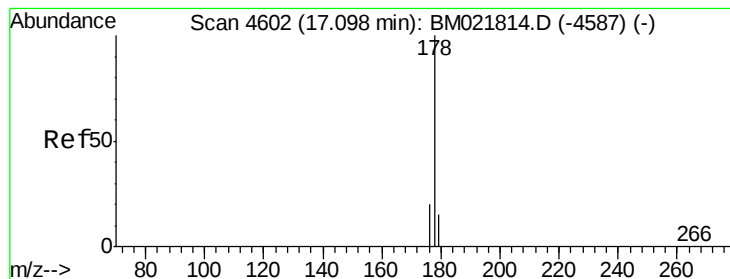


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



Time-->





#12

Phenanthrene

Concen: 0.571 ng/ul

RT: 17.09 min Scan# 4599

Delta R.T. -0.01 min

Lab File: BM021817.D

Acq: 04 Aug 2019 17:49

Instrument :

BNA_M

ClientSampleId :

BENS3DL

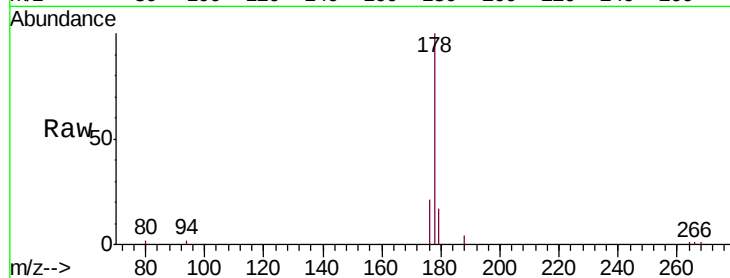
Tgt Ion:178 Resp: 7097

Ion Ratio Lower Upper

178 100

179 16.9 14.2 21.2

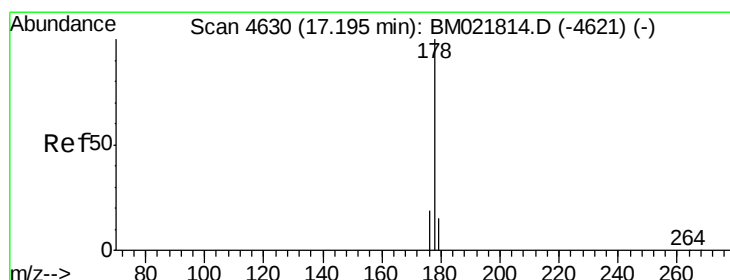
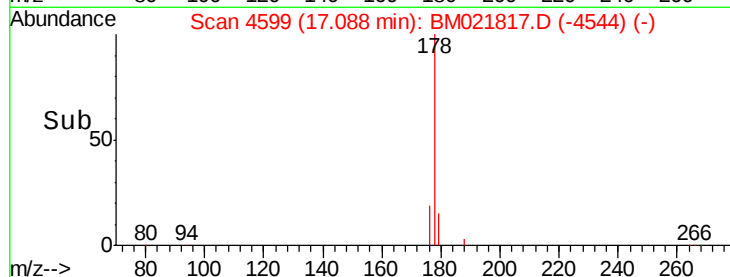
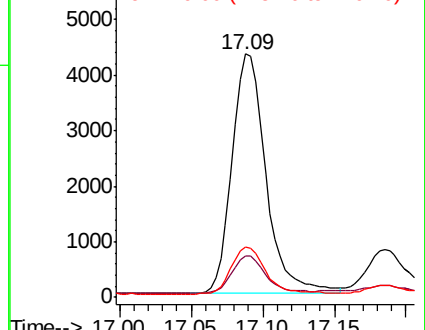
176 20.6 16.8 25.2



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: 0.139 ng/ul

RT: 17.19 min Scan# 4627

Delta R.T. -0.01 min

Lab File: BM021817.D

Acq: 04 Aug 2019 17:49

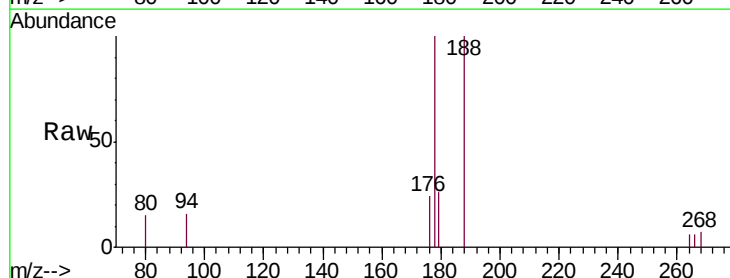
Tgt Ion:178 Resp: 1471

Ion Ratio Lower Upper

178 100

179 25.5 15.5 23.3#

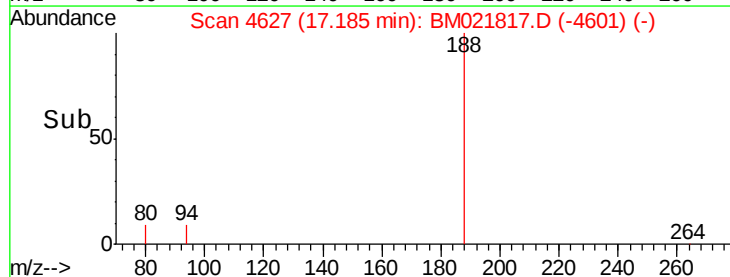
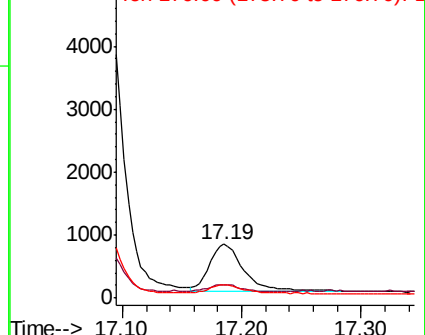
176 23.9 16.6 25.0

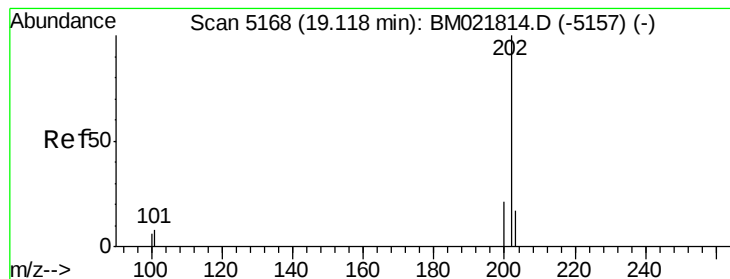


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.917 ng/ul

RT: 19.11 min Scan# 5166

Delta R.T. -0.01 min

Lab File: BM021817.D

Acq: 04 Aug 2019 17:49

Instrument :

BNA_M

ClientSampleId :

BENS3DL

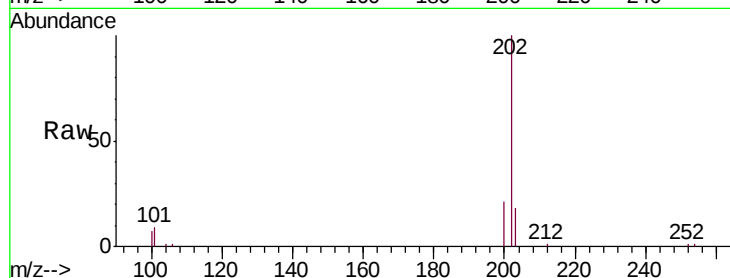
Tgt Ion:202 Resp: 15270

Ion Ratio Lower Upper

202 100

101 9.0 0.0 30.2

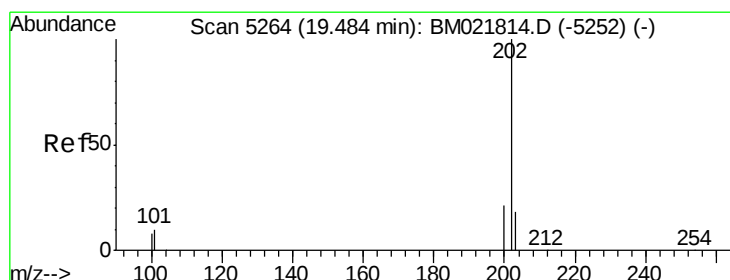
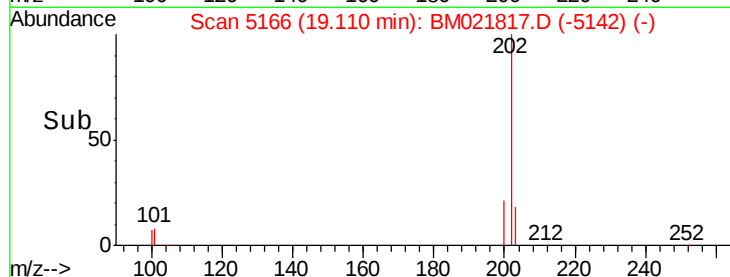
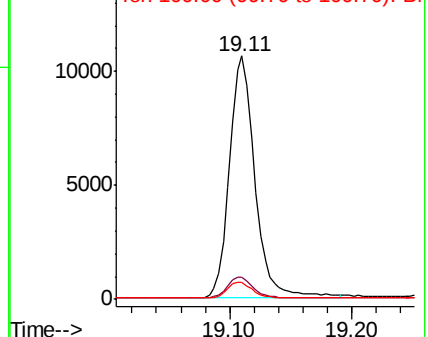
100 7.1 0.0 28.1



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): B



#17

Pyrene

Concen: 0.668 ng/ul

RT: 19.47 min Scan# 5261

Delta R.T. -0.01 min

Lab File: BM021817.D

Acq: 04 Aug 2019 17:49

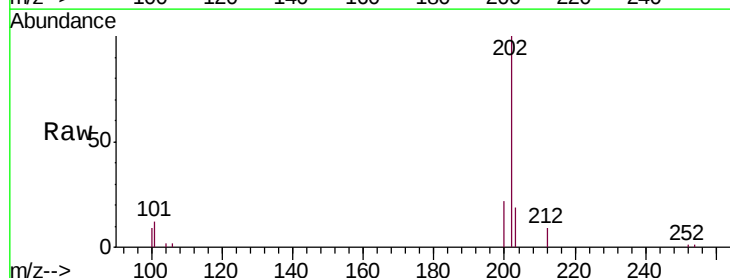
Tgt Ion:202 Resp: 12591

Ion Ratio Lower Upper

202 100

101 11.5 8.3 12.5

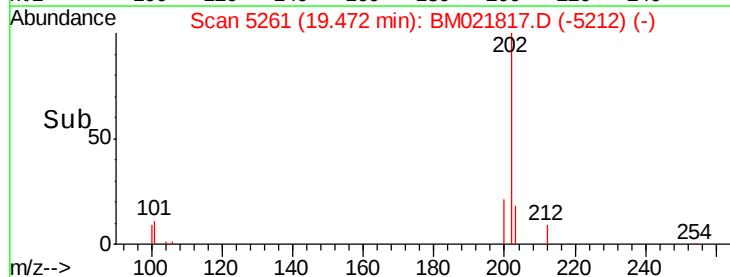
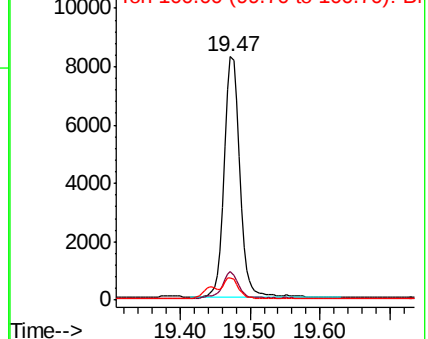
100 9.3 7.2 10.8

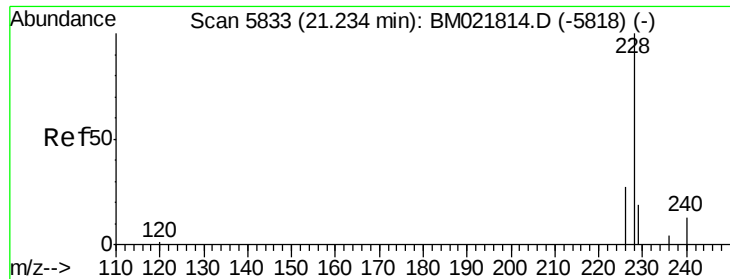


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.463 ng/ul

RT: 21.23 min Scan# 5830

Delta R.T. -0.01 min

Lab File: BM021817.D

Acq: 04 Aug 2019 17:49

Instrument :

BNA_M

ClientSampleId :

BENS3DL

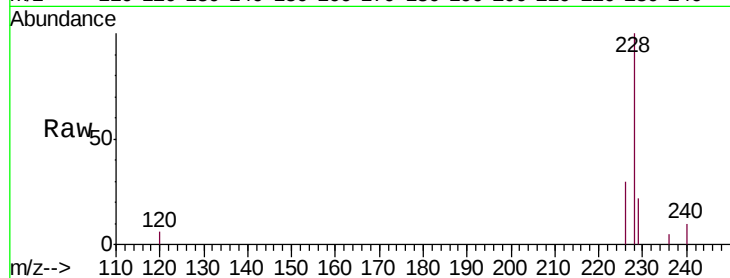
Tgt Ion:228 Resp: 7591

Ion Ratio Lower Upper

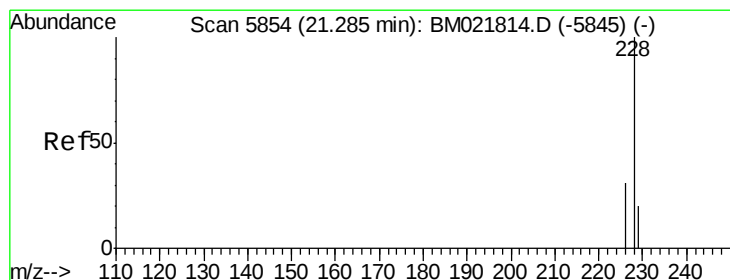
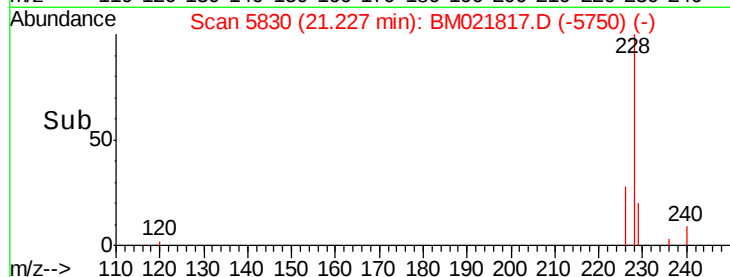
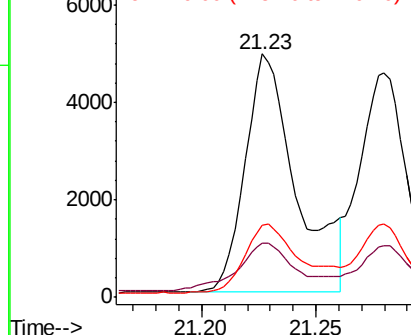
228 100

229 22.3 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: 0.332 ng/ul

RT: 21.28 min Scan# 5852

Delta R.T. -0.00 min

Lab File: BM021817.D

Acq: 04 Aug 2019 17:49

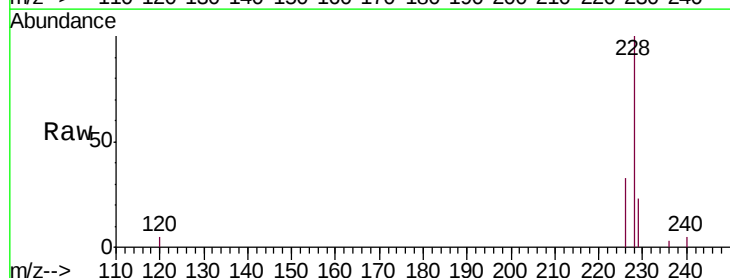
Tgt Ion:228 Resp: 7003

Ion Ratio Lower Upper

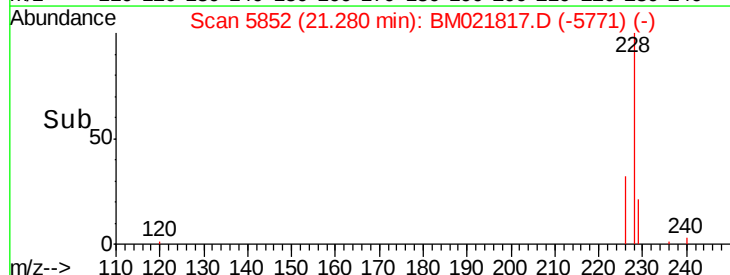
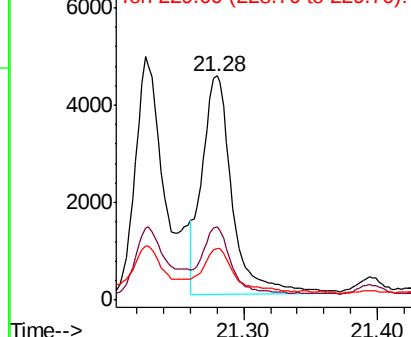
228 100

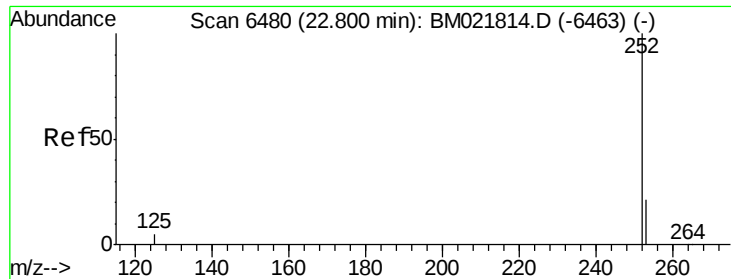
226 32.9 24.9 37.3

229 23.1 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: 0.648 ng/ul

RT: 22.80 min Scan# 6478

Delta R.T. -0.00 min

Lab File: BM021817.D

Acq: 04 Aug 2019 17:49

Instrument :

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ClientSampleId :

BENS3DL

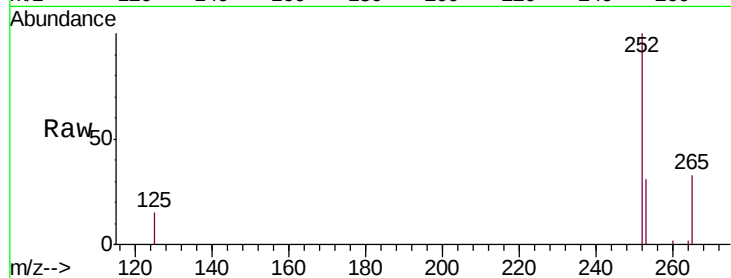
Tgt Ion:252 Resp: 13591

Ion Ratio Lower Upper

252 100

253 31.0 0.0 67.4

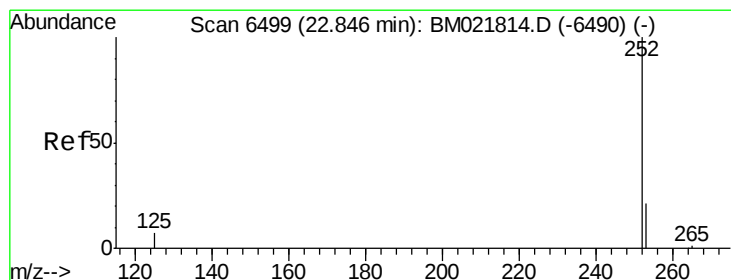
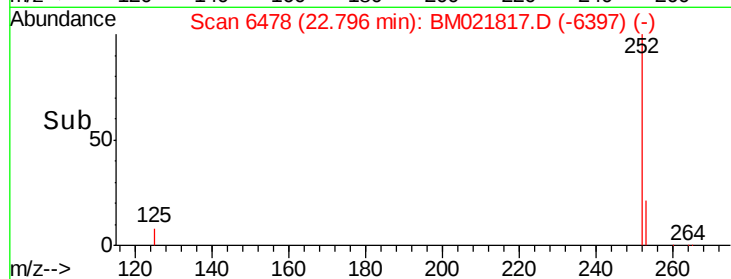
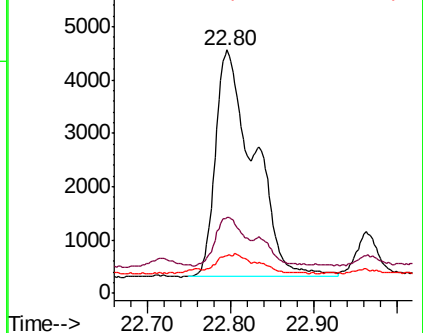
125 15.5 0.0 31.0



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: 0.572 ng/ul

RT: 22.80 min Scan# 6478

Delta R.T. -0.05 min

Lab File: BM021817.D

Acq: 04 Aug 2019 17:49

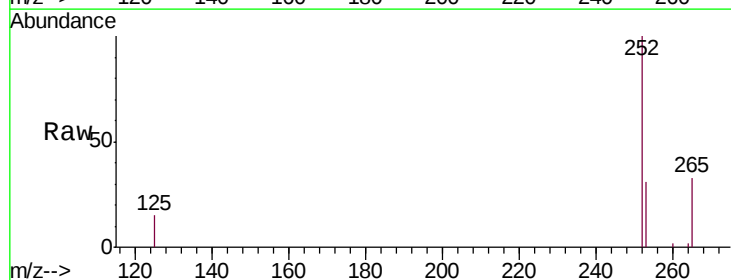
Tgt Ion:252 Resp: 13591

Ion Ratio Lower Upper

252 100

253 31.0 27.0 40.4

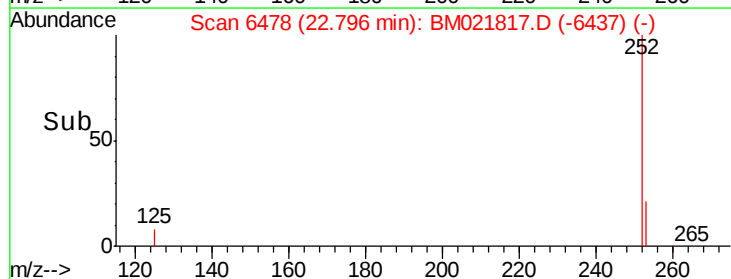
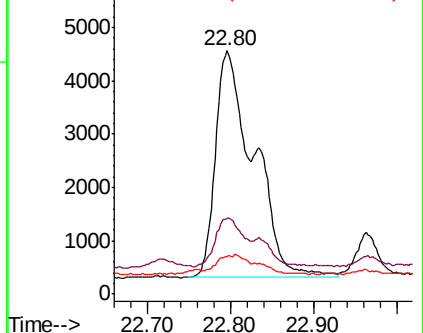
125 15.5 12.2 18.2

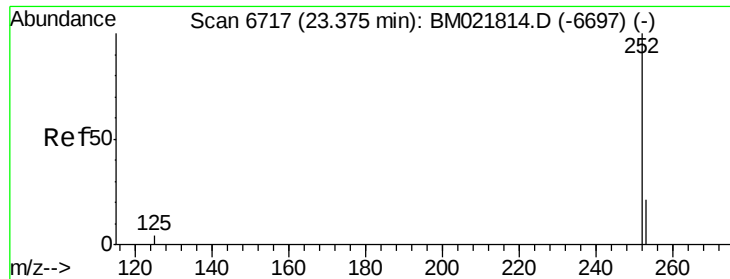


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.287 ng/ul

RT: 23.36 min Scan# 6712

Delta R.T. -0.01 min

Lab File: BM021817.D

Acq: 04 Aug 2019 17:49

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BENS3DL

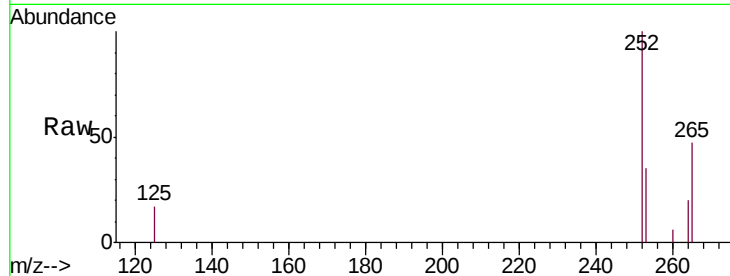
Tgt Ion:252 Resp: 6118

Ion Ratio Lower Upper

252 100

253 35.2 31.7 47.5

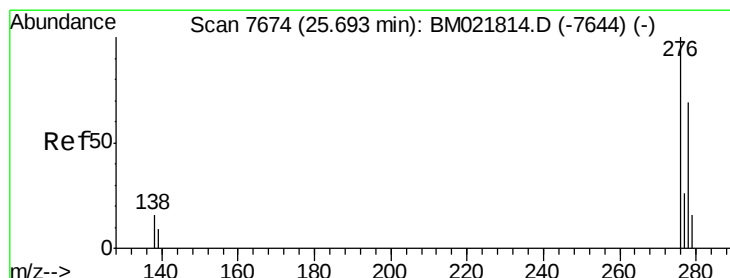
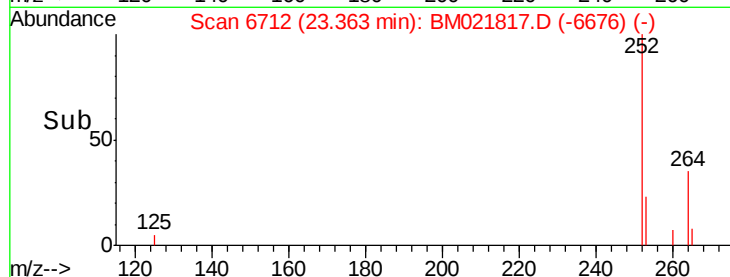
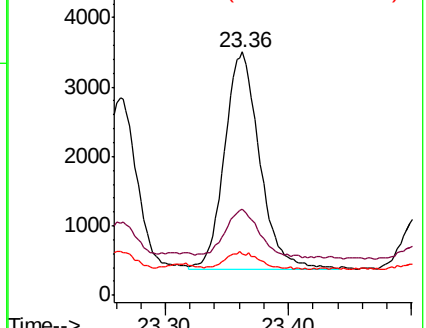
125 16.8 14.6 21.8



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: 0.191 ng/ul

RT: 25.68 min Scan# 7669

Delta R.T. -0.01 min

Lab File: BM021817.D

Acq: 04 Aug 2019 17:49

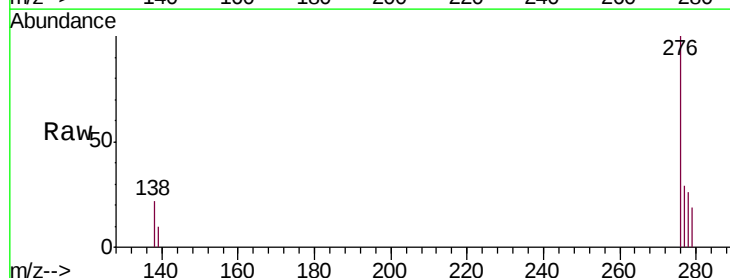
Tgt Ion:276 Resp: 4878

Ion Ratio Lower Upper

276 100

138 15.2 15.1 22.7

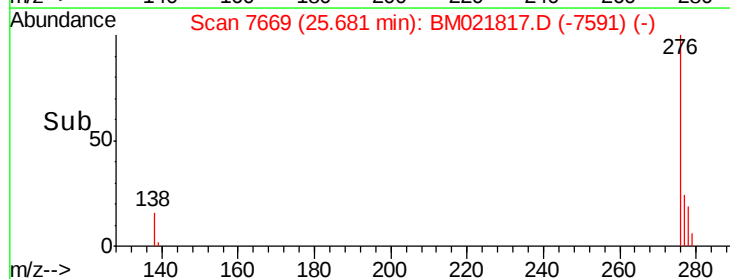
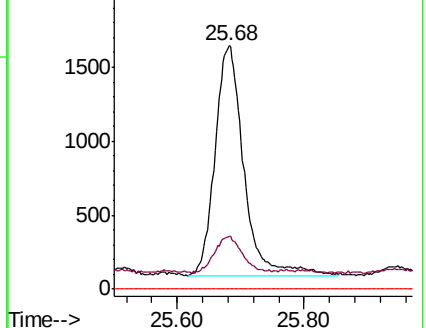
227 0.0 0.0 0.0

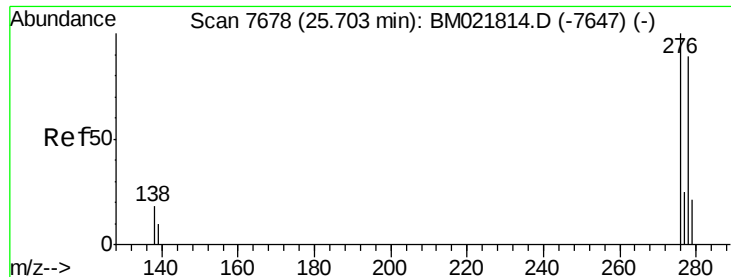


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.059 ng/u1

RT: 25.69 min Scan# 7673

Delta R.T. -0.01 min

Lab File: BM021817.D

Acq: 04 Aug 2019 17:49

Instrument :

BNA_M

ClientSampleId :

BENS3DL

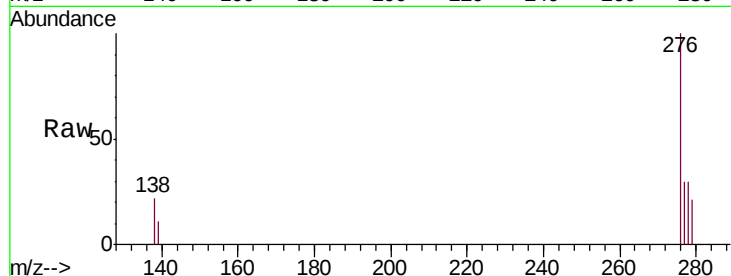
Tgt Ion:278 Resp: 1212

Ion Ratio Lower Upper

278 100

139 37.7 14.2 21.2#

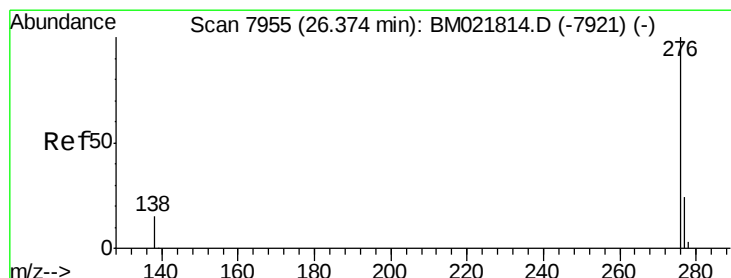
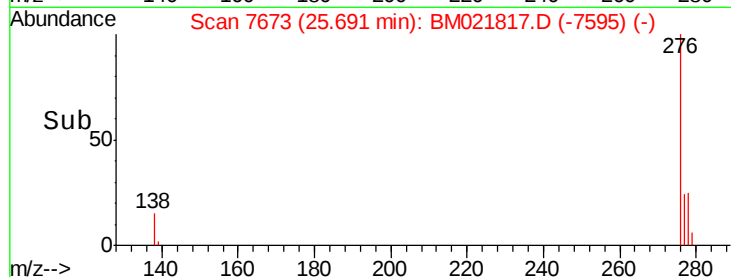
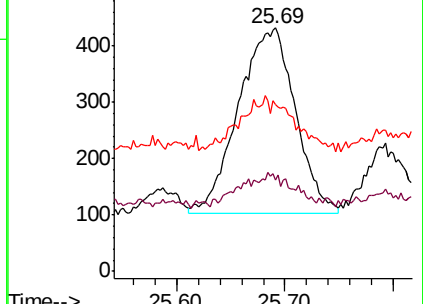
279 68.5 28.3 42.5#



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



#26

Benzo(g,h,i)perylene

Concen: 0.201 ng/u1

RT: 26.36 min Scan# 7949

Delta R.T. -0.01 min

Lab File: BM021817.D

Acq: 04 Aug 2019 17:49

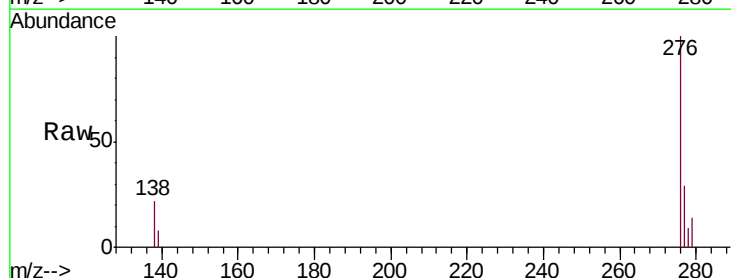
Tgt Ion:276 Resp: 4600

Ion Ratio Lower Upper

276 100

138 21.8 15.5 23.3

277 28.8 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

