

Data File : BM021818.D
Acq On : 04 Aug 2019 18:26
Operator : HP/JU
Sample : K3850-18DL 10X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENS4DL

Quant Time: Aug 05 07:00:25 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	792	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	3219	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	1767	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.15	188	16616	0.40	ng/ul	0.09
16) Chrysene-d12	0.00	240	0	0.00	ng/ul	-21.25
20) Perylene-d12	23.46	264	5969	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	81	0.02	ng/ul	0.02
14) Fluoranthene-d10	19.19	212	16	0.00	ng/ul	0.10

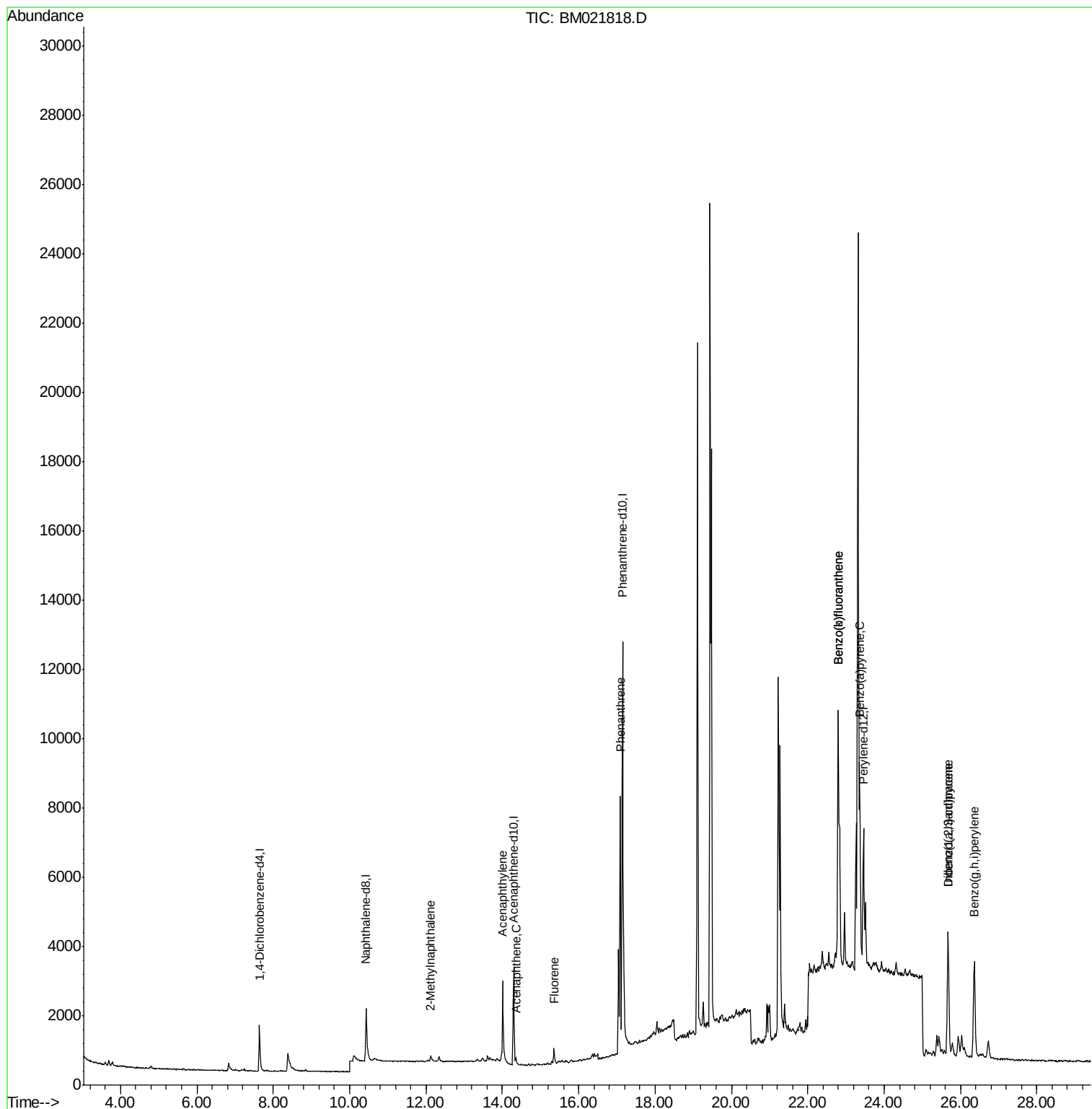
Target Compounds				Qvalue		
5) 2-Methylnaphthalene	12.13	142	202	0.033	ng/ul	99
7) Acenaphthylene	14.01	152	1314	0.159	ng/ul#	90
8) Acenaphthene	14.36	153	143	0.021	ng/ul#	86
9) Fluorene	15.35	166	359	0.048	ng/ul#	94
12) Phenanthrene	17.09	178	8412	0.174	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	17320	0.860	ng/ul	95
22) Benzo(k)fluoranthene	22.79	252	17320	0.760	ng/ul	95
23) Benzo(a)pyrene	23.36	252	7816	0.382	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.67	276	6293	0.257	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.68	278	1548	0.078	ng/ul#	52
26) Benzo(g,h,i)perylene	26.36	276	6445	0.293	ng/ul	99

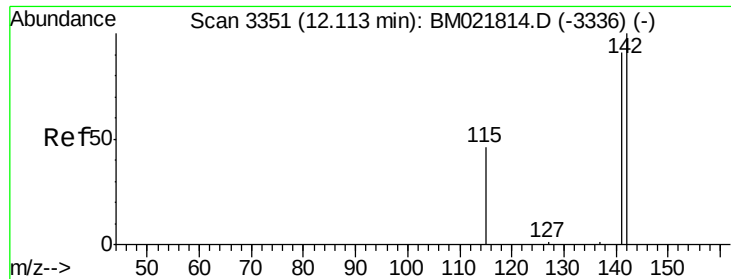
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

2-Methylnaphthalene

Concen: 0.033 ng/ul

RT: 12.13 min Scan# 3354

Delta R.T. 0.01 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

Instrument :

BNA_M

ClientSampled :

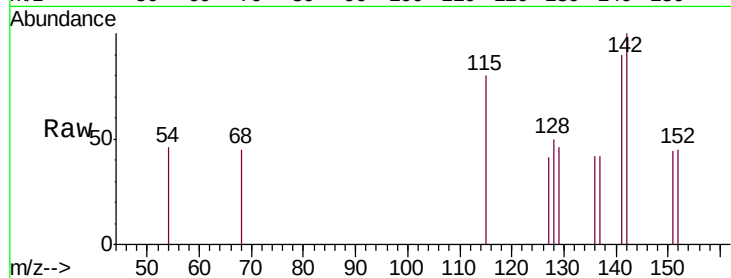
BENS4DL

Tgt Ion:142 Resp: 202

Ion Ratio Lower Upper

142 100

141 92.1 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

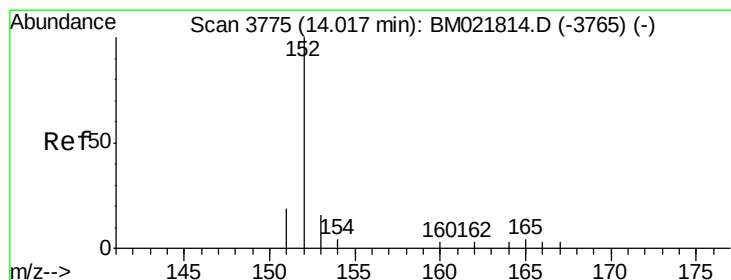
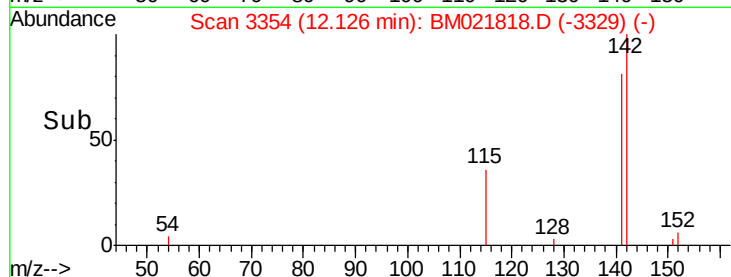
12.13

100

50

0

Time--> 12.00 12.10 12.20 12.30



#7

Acenaphthylene

Concen: 0.159 ng/ul

RT: 14.01 min Scan# 3774

Delta R.T. -0.00 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

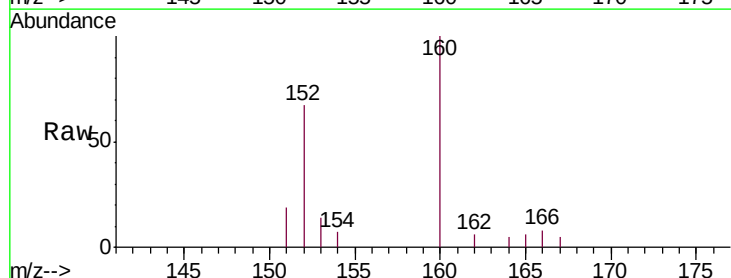
Tgt Ion:152 Resp: 1314

Ion Ratio Lower Upper

152 100

151 27.7 18.3 27.5#

153 20.1 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

14.01

800

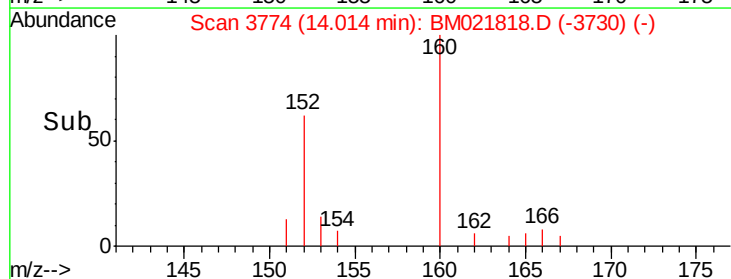
600

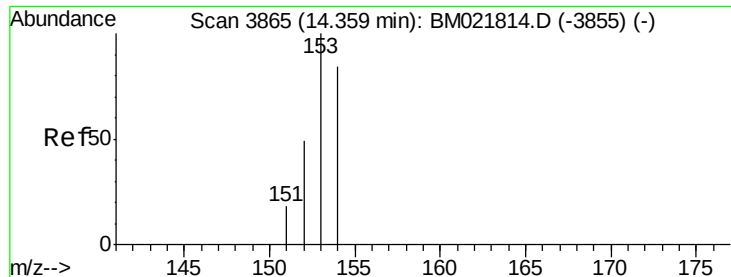
400

200

0

Time--> 13.90 14.00 14.10 14.20





#8

Acenaphthene

Concen: 0.021 ng/ul

RT: 14.36 min Scan# 3865

Delta R.T. 0.00 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

Instrument :

BNA_M

ClientSampleId :

BENS4DL

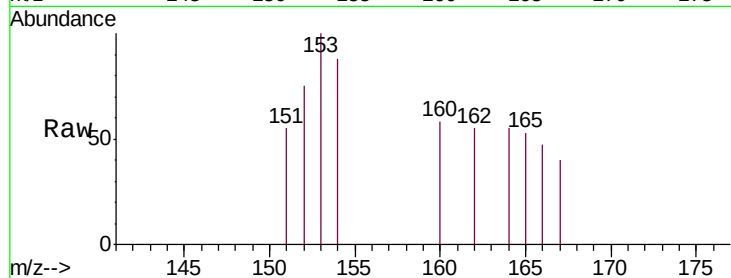
Tgt Ion:153 Resp: 143

Ion Ratio Lower Upper

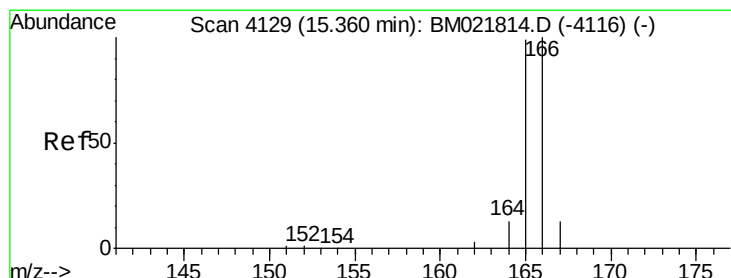
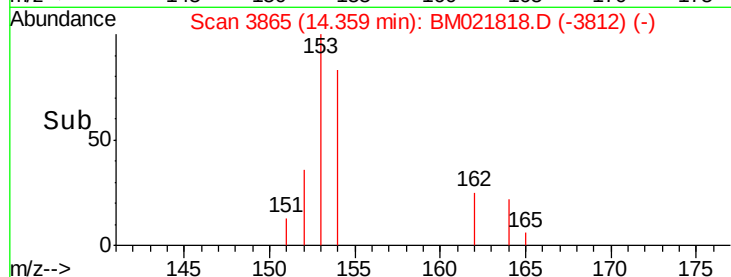
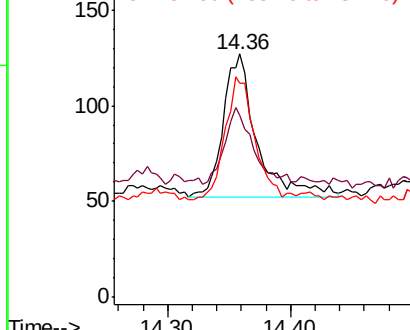
153 100

152 74.8 41.3 61.9#

154 88.2 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: 0.048 ng/ul

RT: 15.35 min Scan# 4127

Delta R.T. -0.01 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

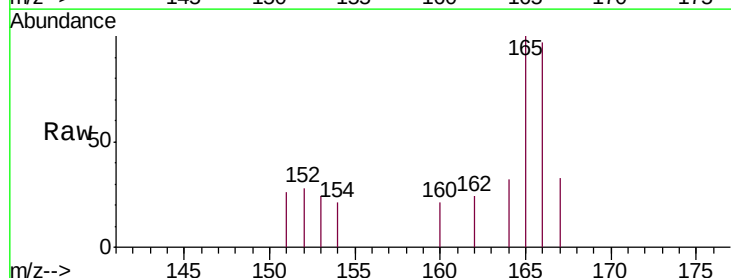
Tgt Ion:166 Resp: 359

Ion Ratio Lower Upper

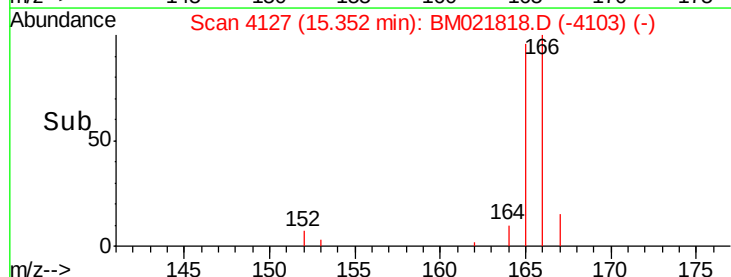
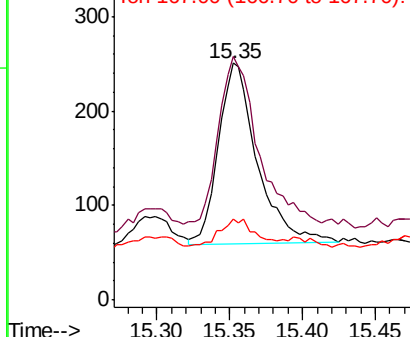
166 100

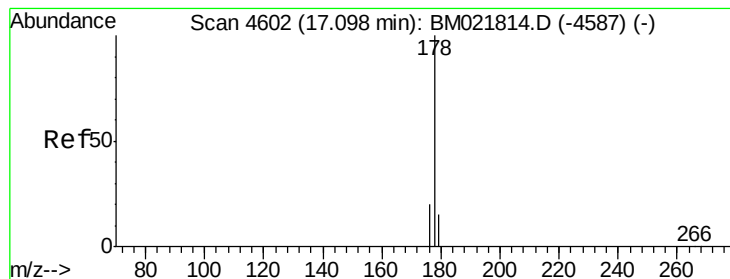
165 102.8 81.4 122.0

167 33.9 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





#12

Phenanthrene

Concen: 0.174 ng/ul

RT: 17.09 min Scan# 4599

Delta R.T. -0.01 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

Instrument :

BNA_M

ClientSampleId :

BENS4DL

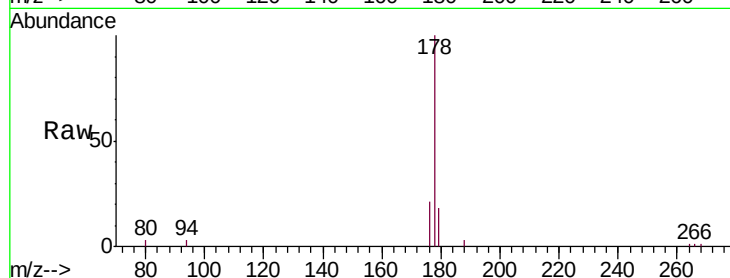
Tgt Ion:178 Resp: 8412

Ion Ratio Lower Upper

178 100

179 17.6 14.2 21.2

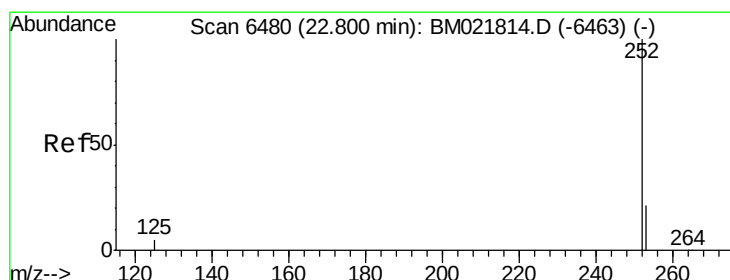
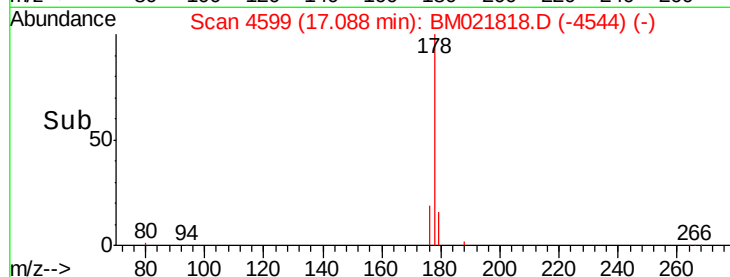
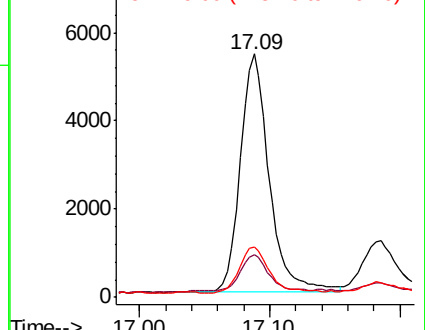
176 20.6 16.8 25.2



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



#21

Benzo(b)fluoranthene

Concen: 0.860 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.01 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

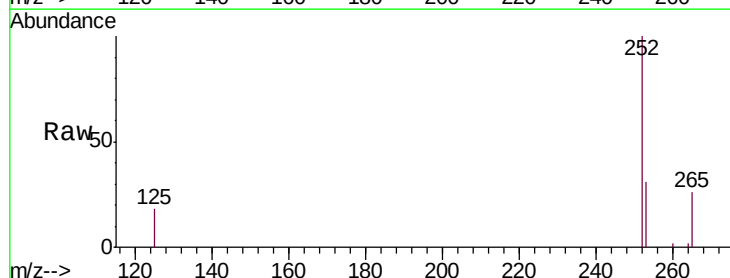
Tgt Ion:252 Resp: 17320

Ion Ratio Lower Upper

252 100

253 31.3 0.0 67.4

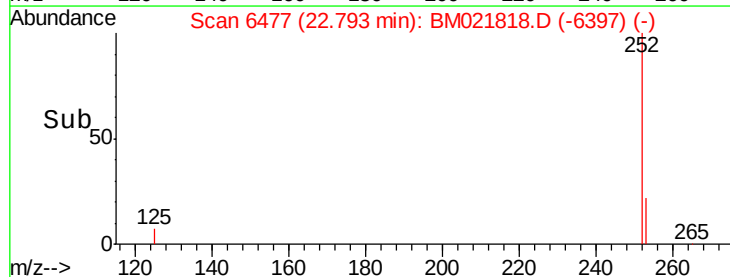
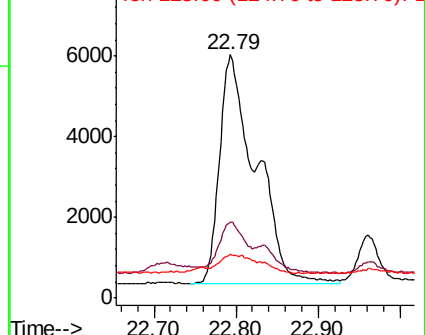
125 18.2 0.0 31.0

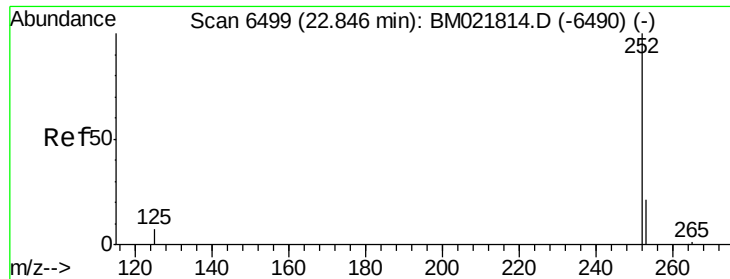


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.760 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.05 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

Instrument :

BNA_M

ClientSampleId :

BENS4DL

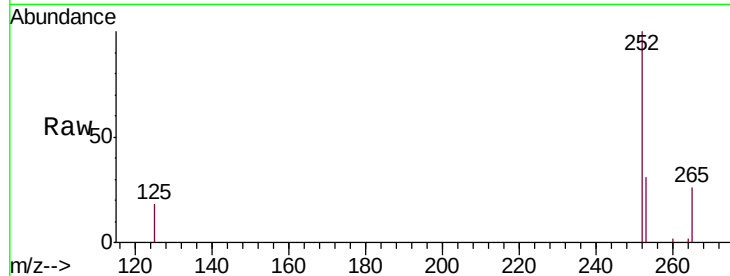
Tgt Ion:252 Resp: 17320

Ion Ratio Lower Upper

252 100

253 31.3 27.0 40.4

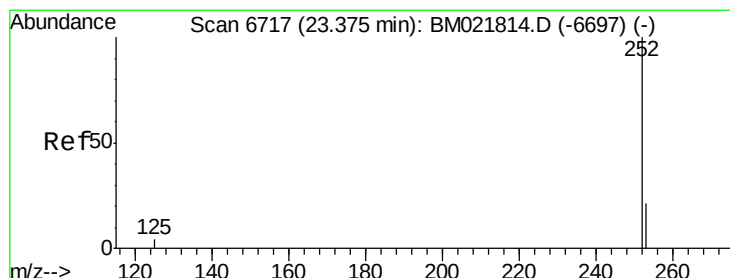
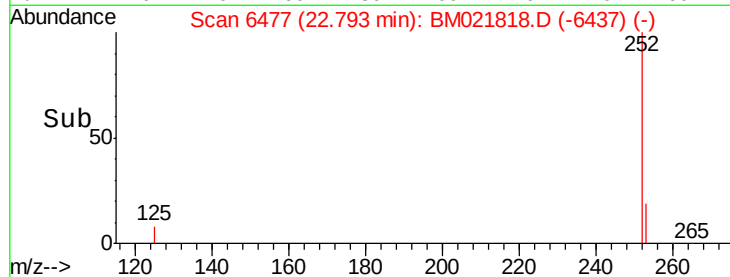
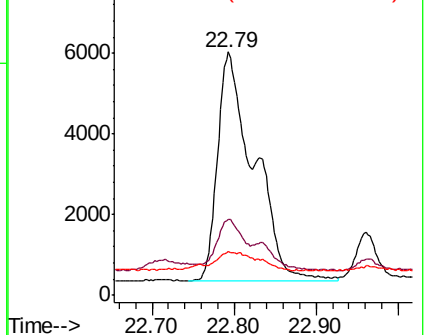
125 18.2 12.2 18.2



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: 0.382 ng/ul

RT: 23.36 min Scan# 6710

Delta R.T. -0.02 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

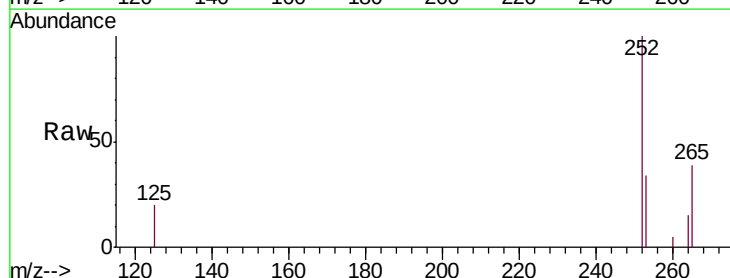
Tgt Ion:252 Resp: 7816

Ion Ratio Lower Upper

252 100

253 34.1 31.7 47.5

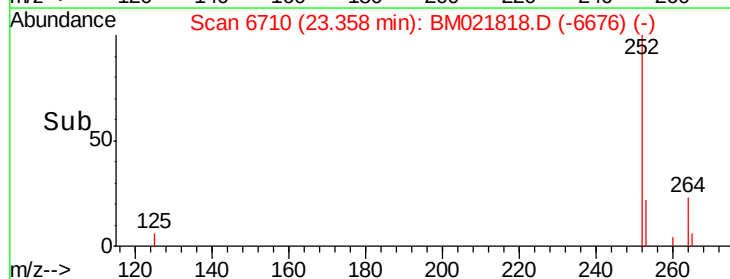
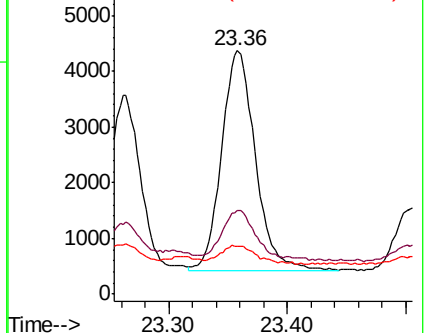
125 19.8 14.6 21.8

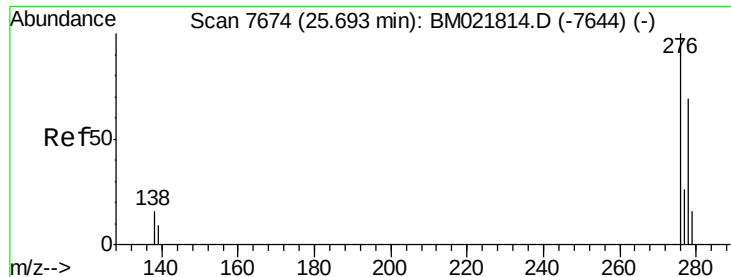


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.257 ng/ul

RT: 25.67 min Scan# 7666

Delta R.T. -0.02 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

Instrument :

BNA_M

ClientSampleId :

BENS4DL

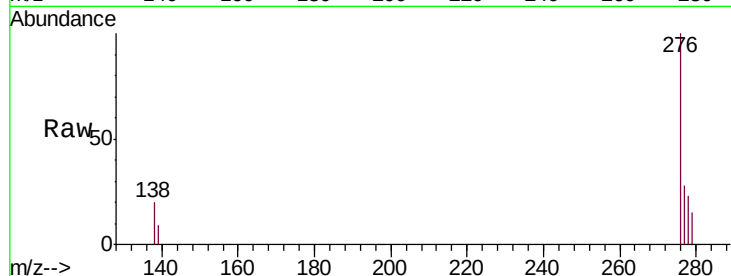
Tgt Ion:276 Resp: 6293

Ion Ratio Lower Upper

276 100

138 14.9 15.1 22.7#

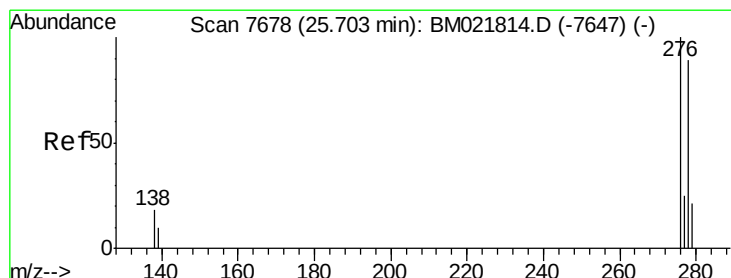
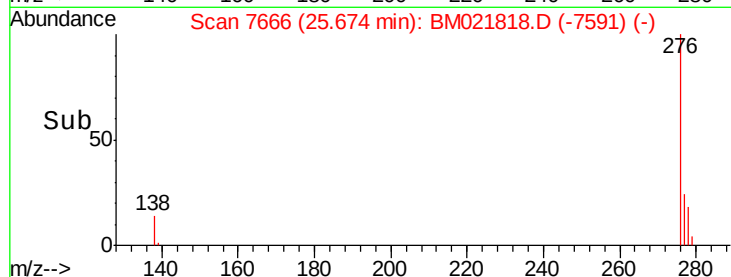
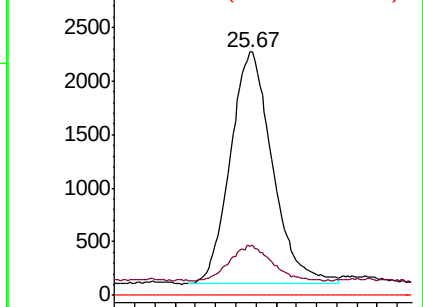
227 0.0 0.0 0.0



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: 0.078 ng/ul

RT: 25.68 min Scan# 7667

Delta R.T. -0.03 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

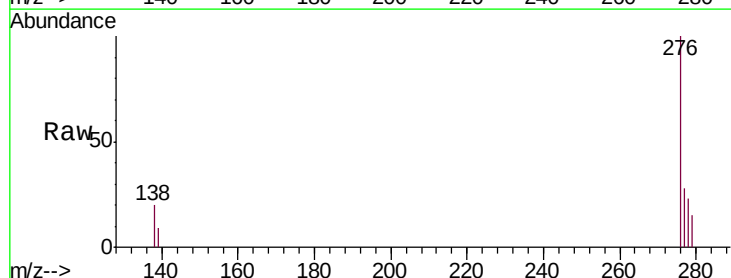
Tgt Ion:278 Resp: 1548

Ion Ratio Lower Upper

278 100

139 39.4 14.2 21.2#

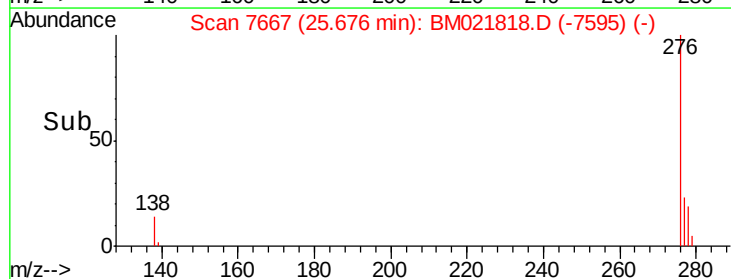
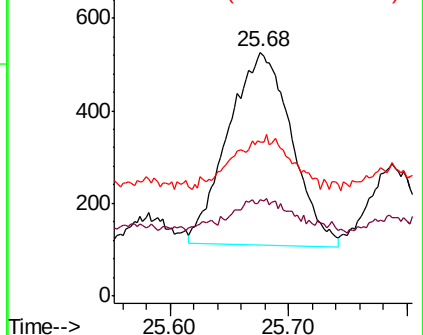
279 63.1 28.3 42.5#

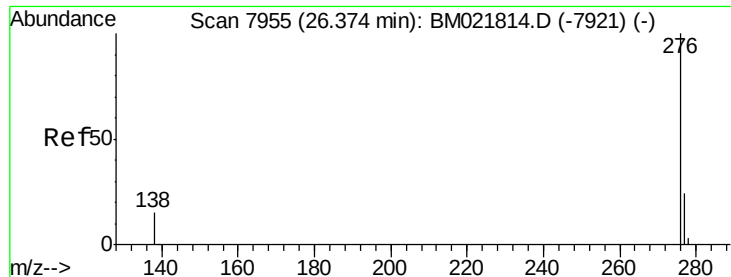


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.293 ng/ul

RT: 26.36 min Scan# 7949

Delta R.T. -0.01 min

Lab File: BM021818.D

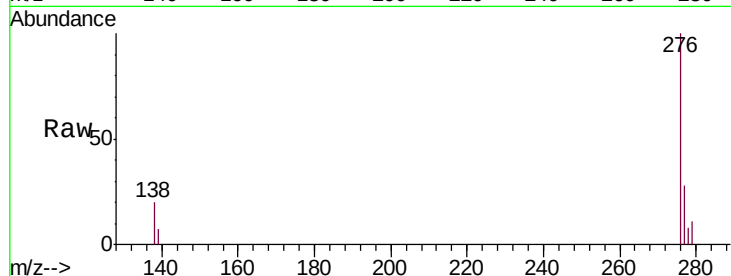
Acq: 04 Aug 2019 18:26

Instrument :

BNA_M

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BENS4DL



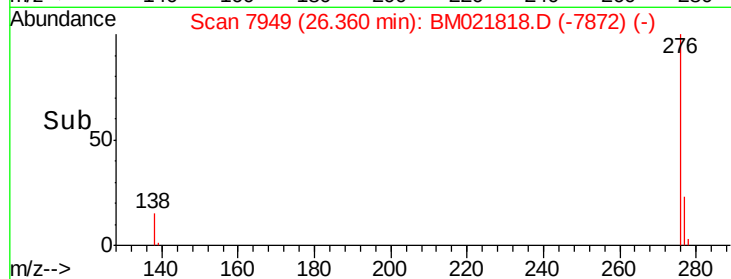
Tgt Ion: 276 Resp: 6445

Ion Ratio Lower Upper

276 100

138 19.9 15.5 23.3

277 27.6 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

