

Data File : BM021819.D
Acq On : 04 Aug 2019 19:02
Operator : HP/JU
Sample : K3850-20DL 5X
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENS6DL

Quant Time: Aug 05 07:00:33 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	832	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	3473	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	1955	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	4647	0.40	ng/ul	-0.01
16) Chrysene-d12	21.24	240	4997	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	7252	0.40	ng/ul	-0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.04	152	209	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	616	0.04	ng/ul	-0.01

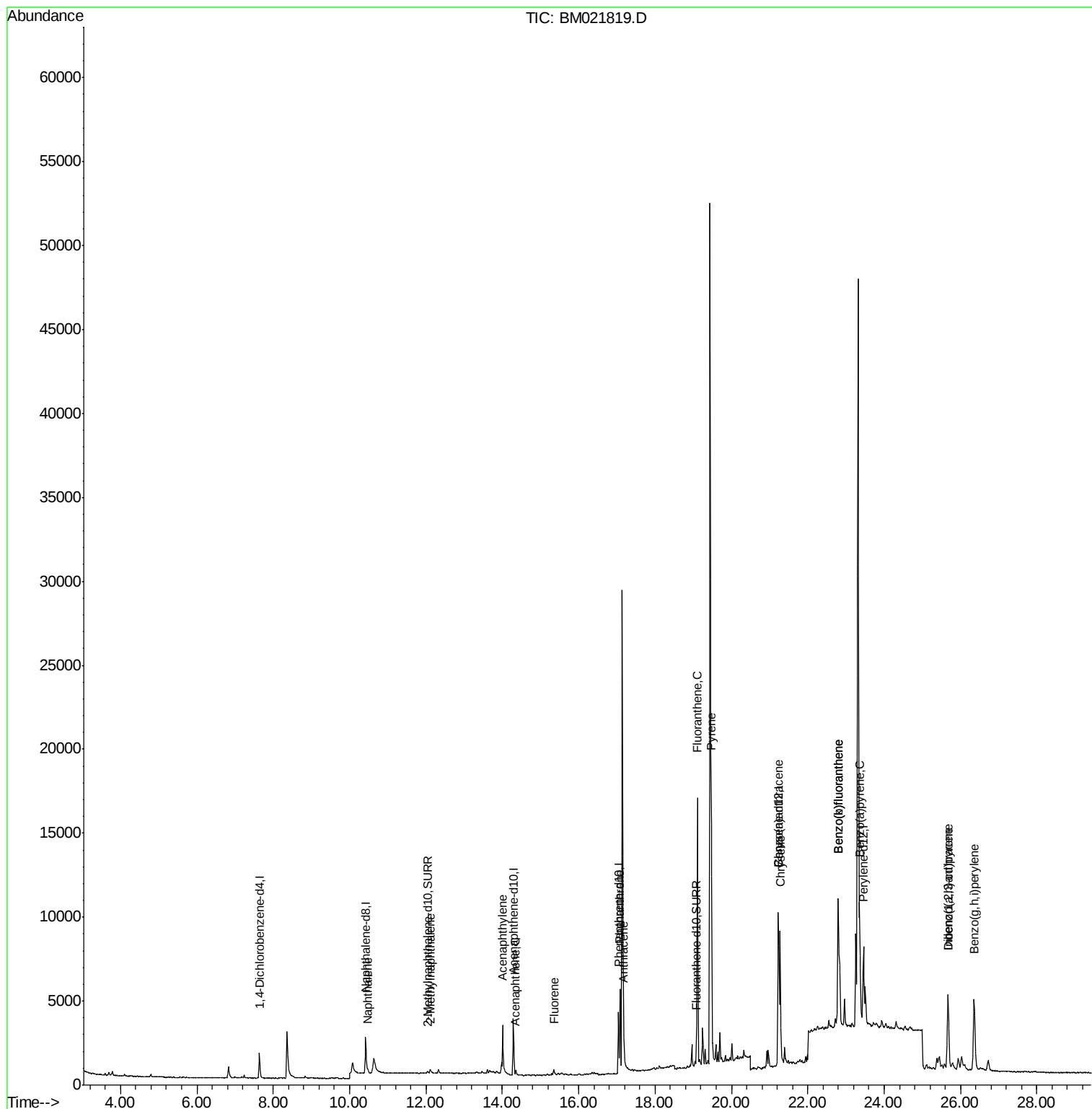
Target Compounds				Qvalue		
3) Naphthalene	10.47	128	307	0.031	ng/ul#	55
5) 2-Methylnaphthalene	12.11	142	271	0.041	ng/ul	86
7) Acenaphthylene	14.01	152	1169	0.128	ng/ul#	91
8) Acenaphthene	14.35	153	183	0.025	ng/ul#	87
9) Fluorene	15.35	166	283	0.034	ng/ul#	90
12) Phenanthrene	17.08	178	5781	0.428	ng/ul	99
13) Anthracene	17.18	178	1420	0.123	ng/ul#	86
15) Fluoranthene	19.11	202	15017	0.829	ng/ul	97
17) Pyrene	19.47	202	13730	0.669	ng/ul	99
18) Benzo(a)anthracene	21.23	228	8505	0.476	ng/ul	94
19) Chrysene	21.28	228	7621	0.332	ng/ul	96
21) Benzo(b)fluoranthene	22.79	252	18130	0.741	ng/ul	93
22) Benzo(k)fluoranthene	22.79	252	18130	0.655	ng/ul#	93
23) Benzo(a)pyrene	23.36	252	8435	0.339	ng/ul	90
24) Indeno(1,2,3-cd)pyrene	25.67	276	8004	0.270	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.68	278	1701	0.071	ng/ul#	47
26) Benzo(g,h,i)perylene	26.36	276	9352	0.350	ng/ul	99

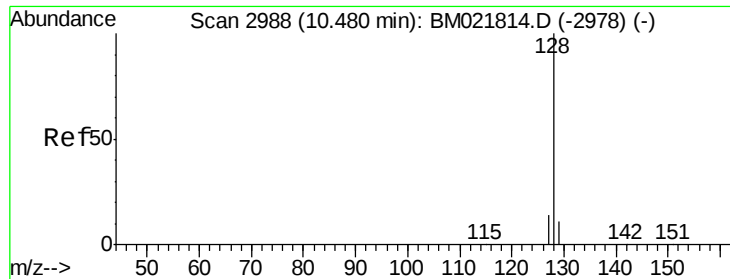
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.031 ng/ul

RT: 10.47 min Scan# 2986

Delta R.T. -0.01 min

Lab File: BM021819.D

Acq: 04 Aug 2019 19:02

Instrument :

BNA_M

ClientSampleId :

BENS6DL

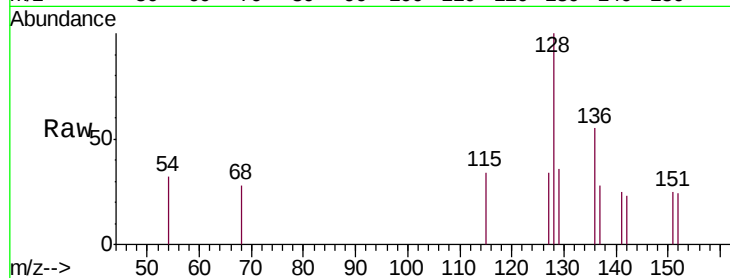
Tgt Ion:128 Resp: 307

Ion Ratio Lower Upper

128 100

129 35.8 12.3 18.5#

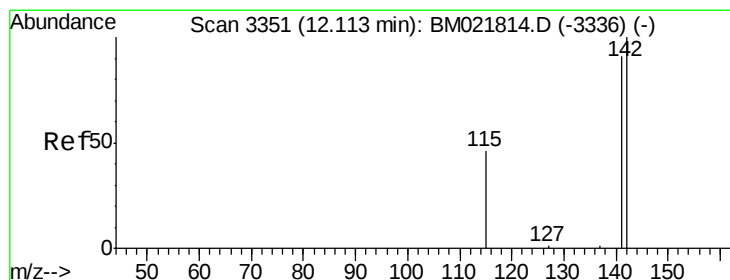
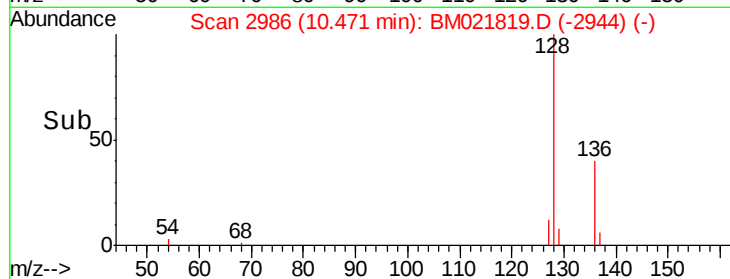
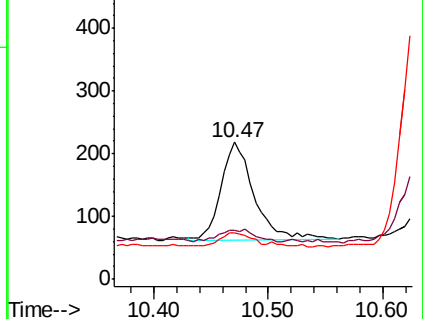
127 33.9 13.0 19.6#



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: 0.041 ng/ul

RT: 12.11 min Scan# 3351

Delta R.T. -0.00 min

Lab File: BM021819.D

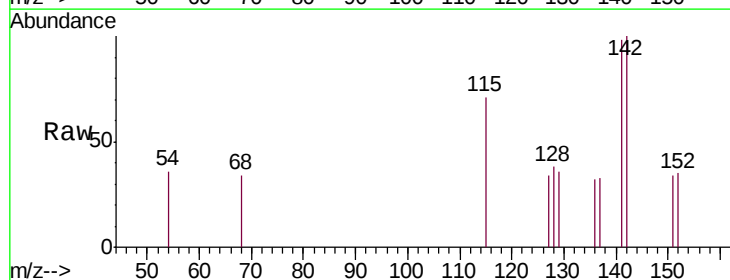
Acq: 04 Aug 2019 19:02

Tgt Ion:142 Resp: 271

Ion Ratio Lower Upper

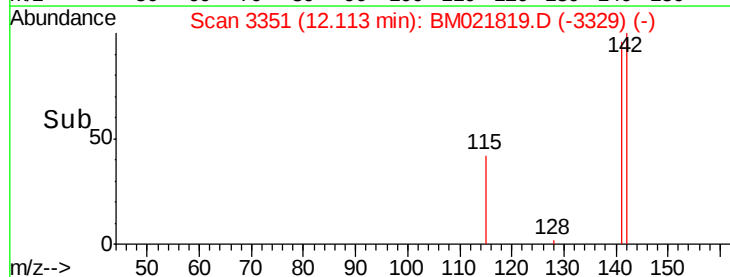
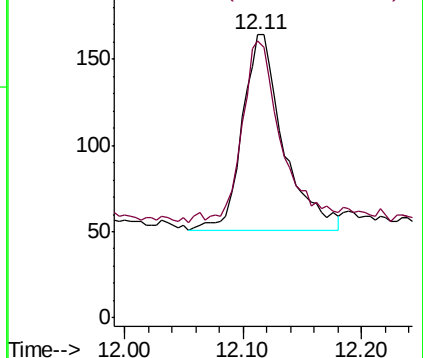
142 100

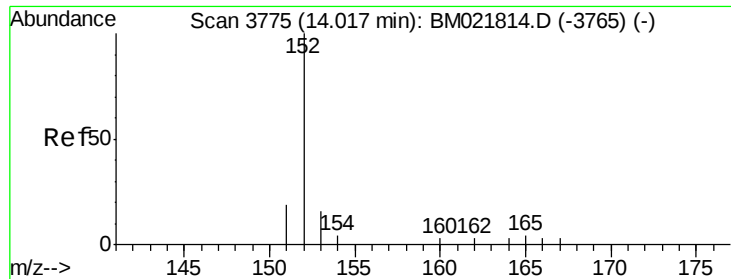
141 79.7 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.128 ng/ul

RT: 14.01 min Scan# 3773

Delta R.T. -0.01 min

Lab File: BM021819.D

Acq: 04 Aug 2019 19:02

Instrument :

BNA_M

ClientSampleId :

BENS6DL

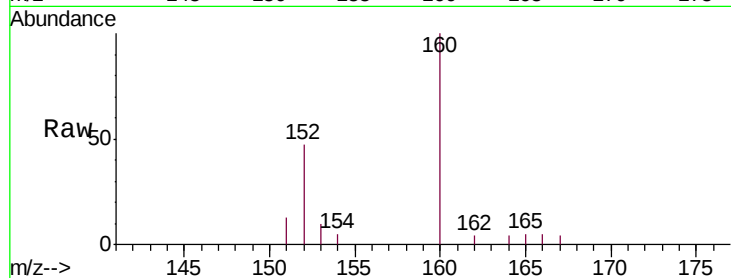
Tgt Ion:152 Resp: 1169

Ion Ratio Lower Upper

152 100

151 26.9 18.3 27.5

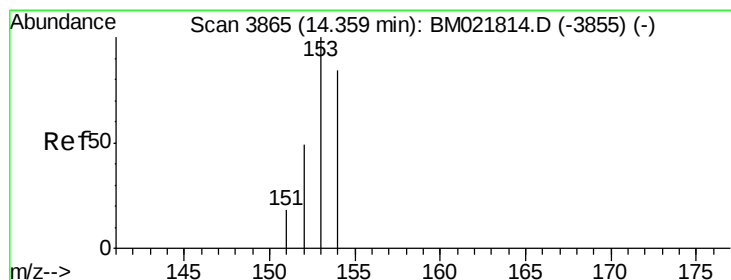
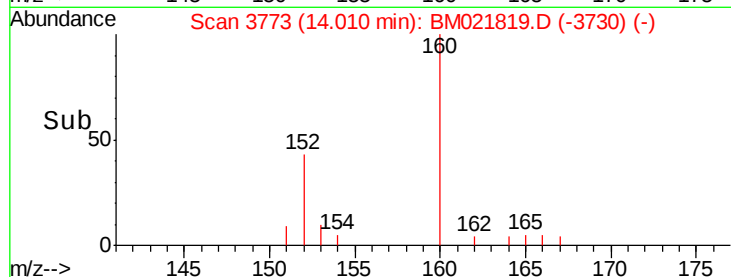
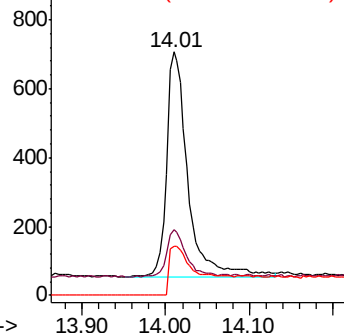
153 20.4 12.8 19.2#



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: 0.025 ng/ul

RT: 14.35 min Scan# 3864

Delta R.T. -0.00 min

Lab File: BM021819.D

Acq: 04 Aug 2019 19:02

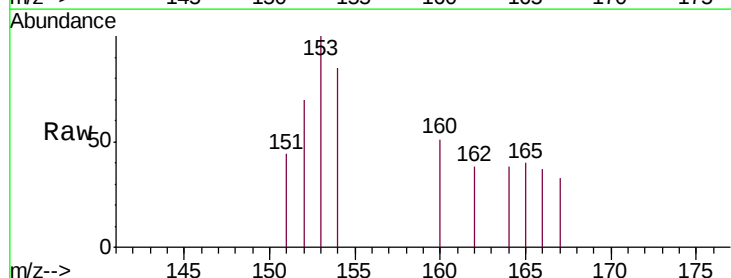
Tgt Ion:153 Resp: 183

Ion Ratio Lower Upper

153 100

152 69.8 41.3 61.9#

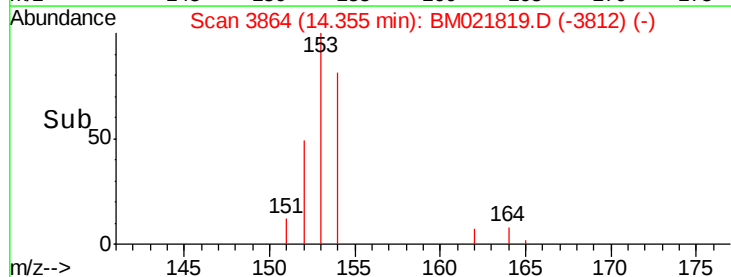
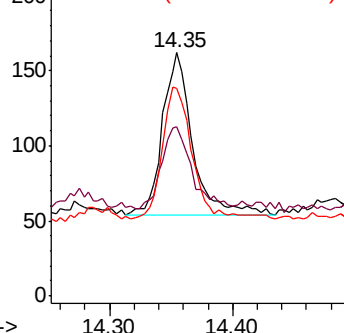
154 85.2 72.3 108.5

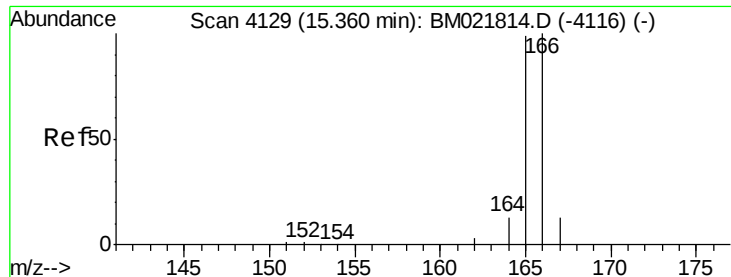


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.034 ng/ul

RT: 15.35 min Scan# 4126

Delta R.T. -0.01 min

Lab File: BM021819.D

Acq: 04 Aug 2019 19:02

Instrument :

BNA_M

ClientSampleId :

BENS6DL

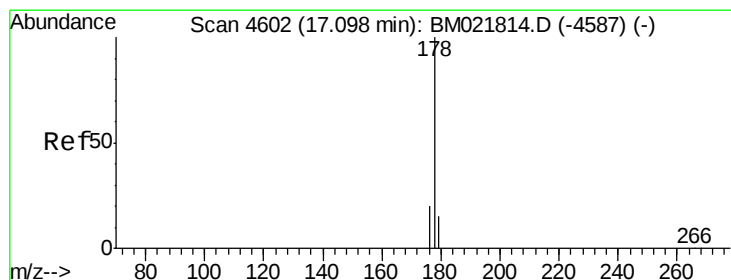
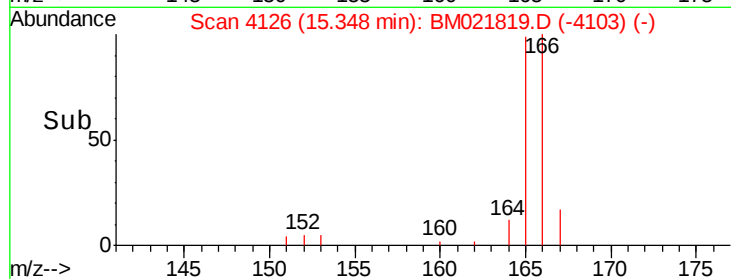
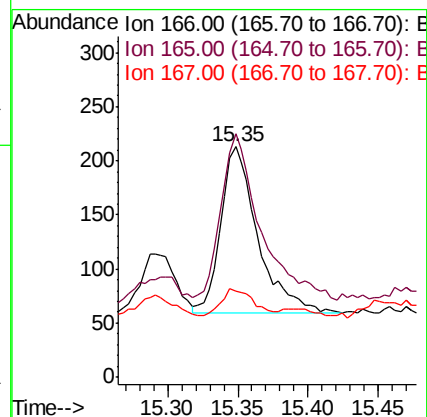
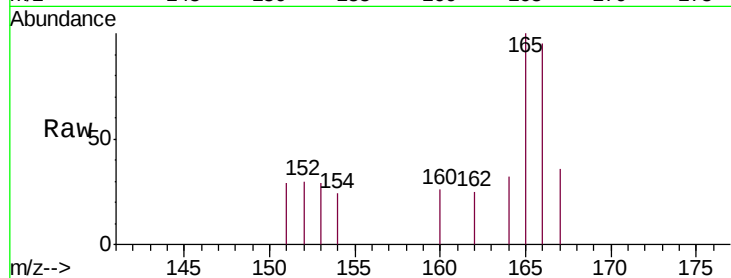
Tgt Ion:166 Resp: 283

Ion Ratio Lower Upper

166 100

165 105.6 81.4 122.0

167 37.6 13.7 20.5#



#12

Phenanthrene

Concen: 0.428 ng/ul

RT: 17.08 min Scan# 4598

Delta R.T. -0.01 min

Lab File: BM021819.D

Acq: 04 Aug 2019 19:02

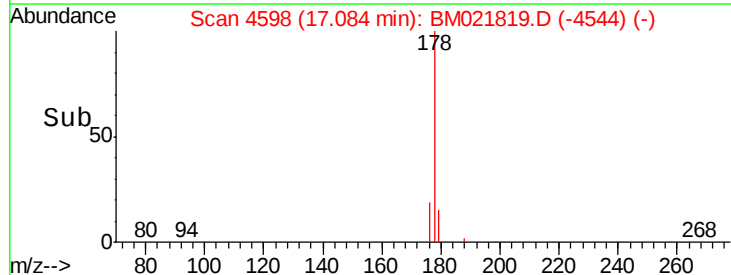
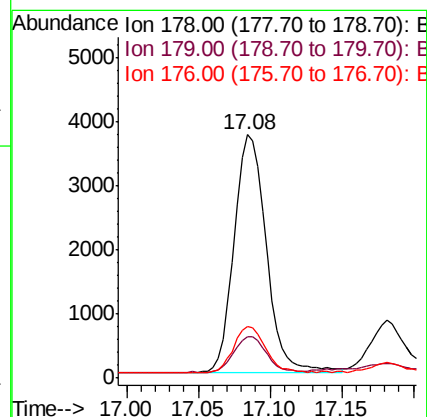
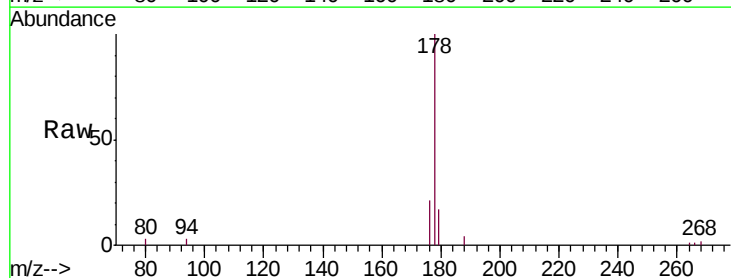
Tgt Ion:178 Resp: 5781

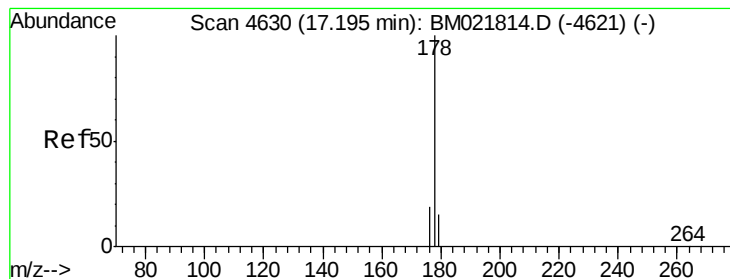
Ion Ratio Lower Upper

178 100

179 16.9 14.2 21.2

176 21.0 16.8 25.2





#13

Anthracene

Concen: 0.123 ng/ul

RT: 17.18 min Scan# 4626

Delta R.T. -0.01 min

Lab File: BM021819.D

Acq: 04 Aug 2019 19:02

Instrument :

BNA_M

ClientSampleId :

BENS6DL

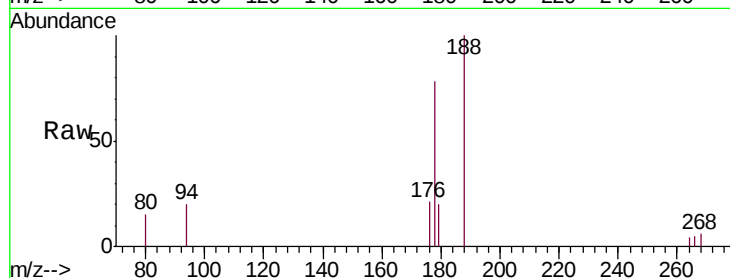
Tgt Ion:178 Resp: 1420

Ion Ratio Lower Upper

178 100

179 26.1 15.5 23.3#

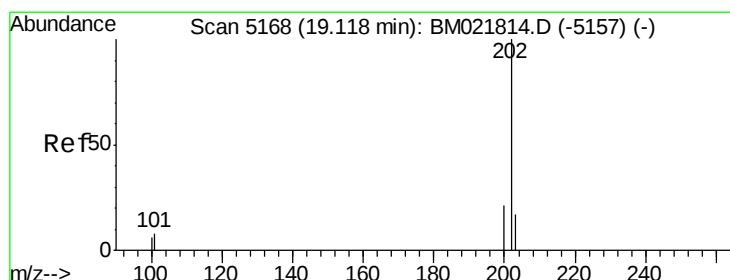
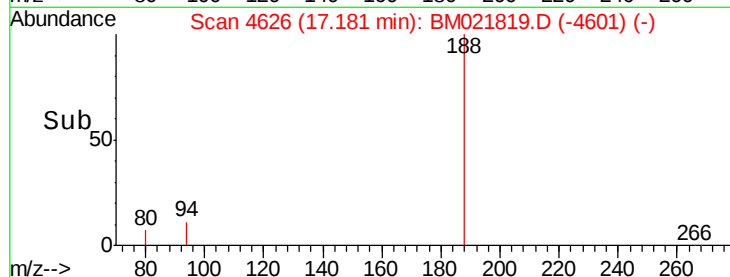
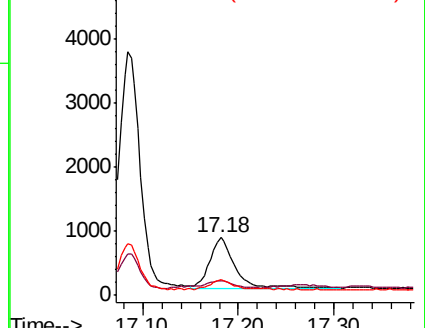
176 26.7 16.6 25.0#



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: 0.829 ng/ul

RT: 19.11 min Scan# 5166

Delta R.T. -0.01 min

Lab File: BM021819.D

Acq: 04 Aug 2019 19:02

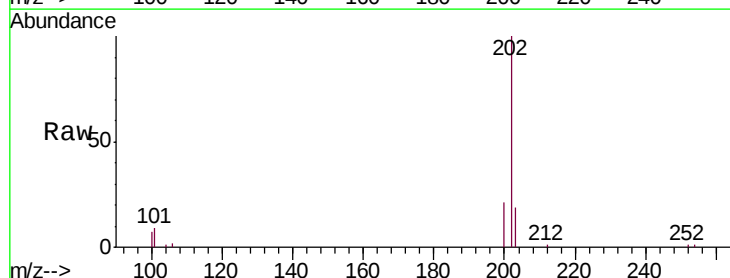
Tgt Ion:202 Resp: 15017

Ion Ratio Lower Upper

202 100

101 9.0 0.0 30.2

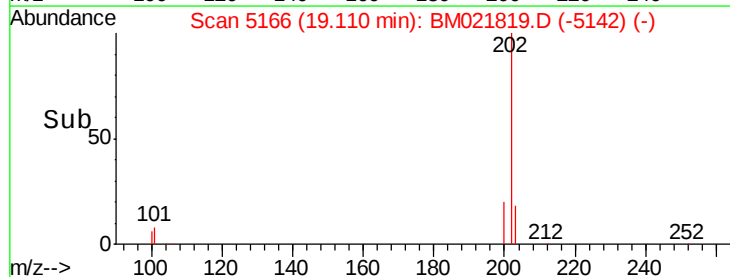
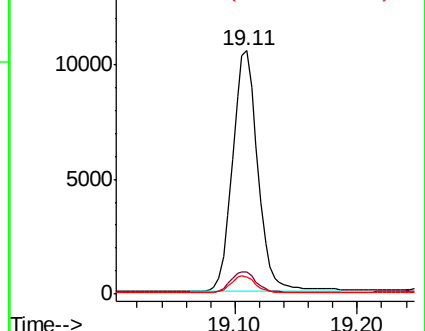
100 7.0 0.0 28.1

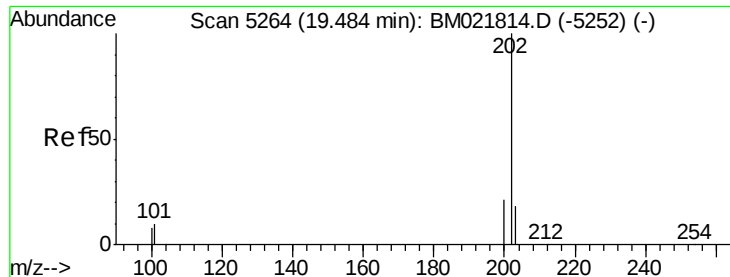


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

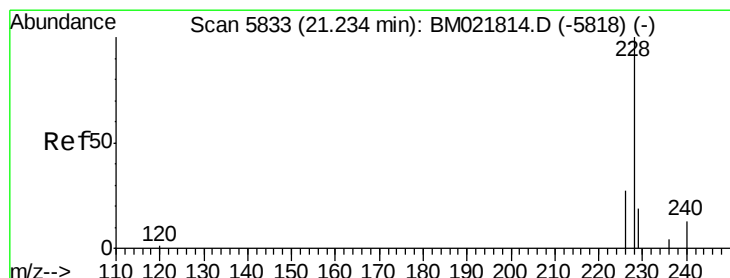
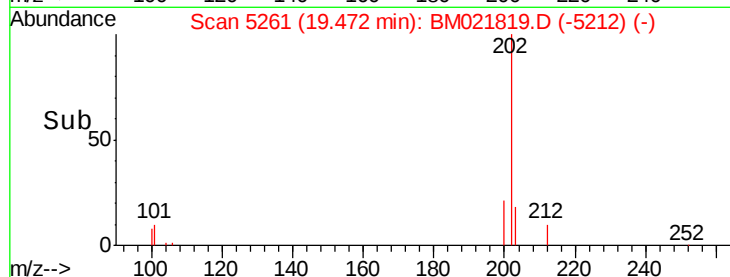
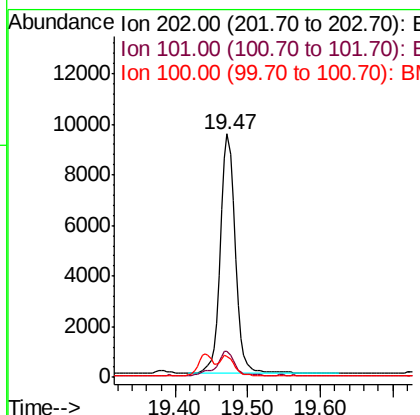
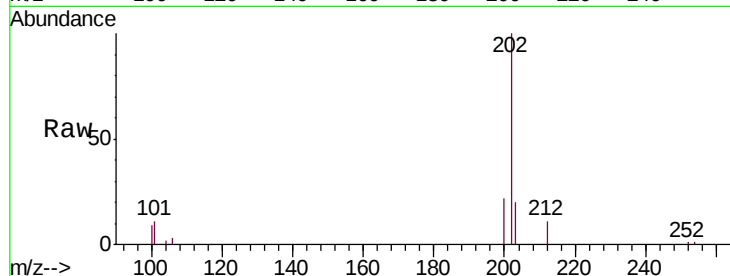




#17
 Pyrene
 Concen: 0.669 ng/ul
 RT: 19.47 min Scan# 5261
 Delta R.T. -0.01 min
 Lab File: BM021819.D
 Acq: 04 Aug 2019 19:02

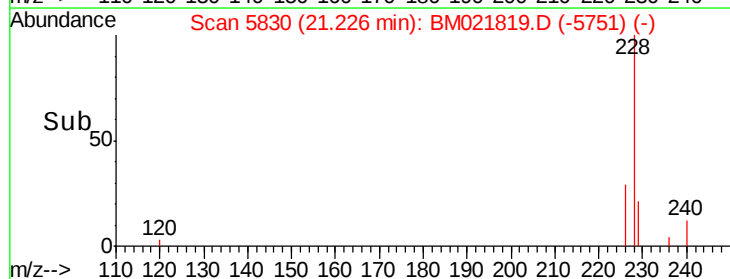
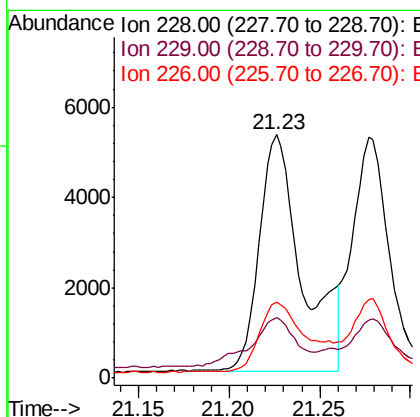
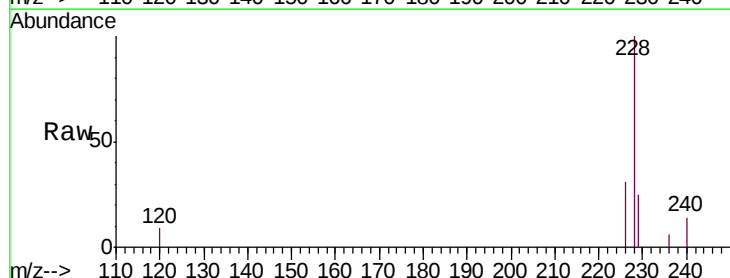
Instrument :
 BNA_M
 ClientSampleId :
 BENS6DL

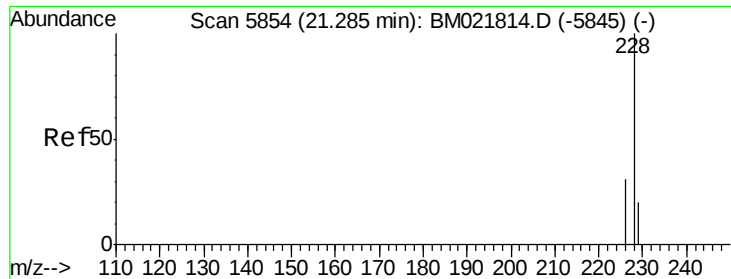
Tgt Ion:202 Resp: 13730
 Ion Ratio Lower Upper
 202 100
 101 10.8 8.3 12.5
 100 8.8 7.2 10.8



#18
 Benzo(a)anthracene
 Concen: 0.476 ng/ul
 RT: 21.23 min Scan# 5830
 Delta R.T. -0.01 min
 Lab File: BM021819.D
 Acq: 04 Aug 2019 19:02

Tgt Ion:228 Resp: 8505
 Ion Ratio Lower Upper
 228 100
 229 24.9 17.2 25.8
 226 31.1 22.6 34.0





#19

Chrysene

Concen: 0.332 ng/ul

RT: 21.28 min Scan# 5851

Delta R.T. -0.01 min

Lab File: BM021819.D

Acq: 04 Aug 2019 19:02

Instrument :

BNA_M

ClientSampleId :

BENS6DL

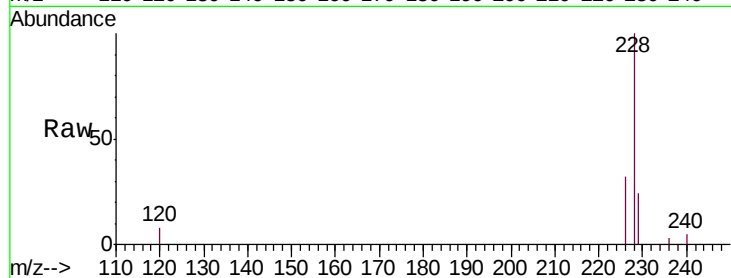
Tgt Ion:228 Resp: 7621

Ion Ratio Lower Upper

228 100

226 32.4 24.9 37.3

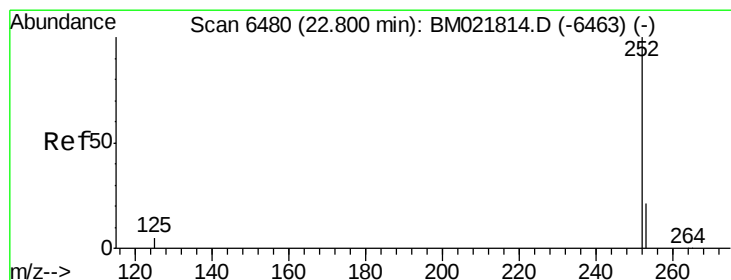
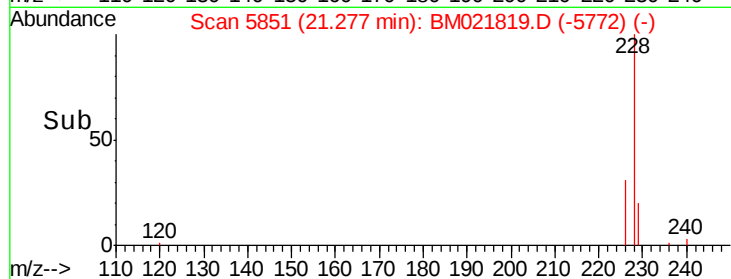
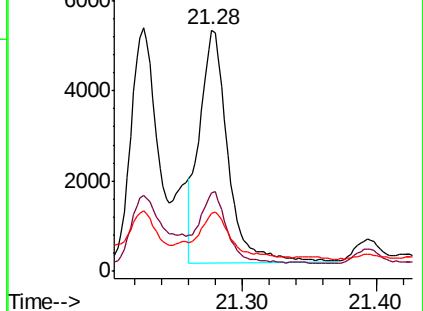
229 24.2 16.6 25.0



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: 0.741 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.01 min

Lab File: BM021819.D

Acq: 04 Aug 2019 19:02

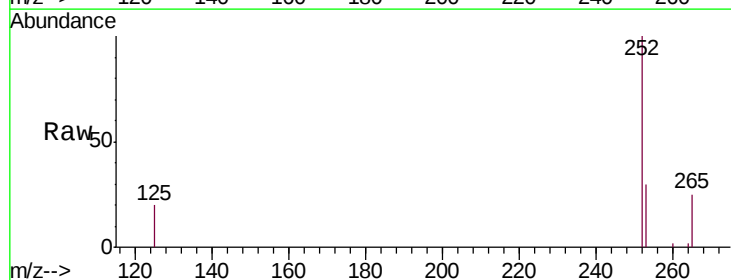
Tgt Ion:252 Resp: 18130

Ion Ratio Lower Upper

252 100

253 30.5 0.0 67.4

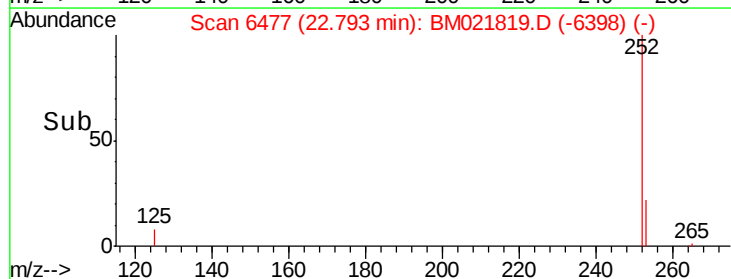
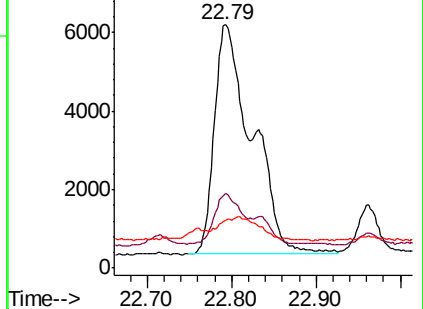
125 19.7 0.0 31.0

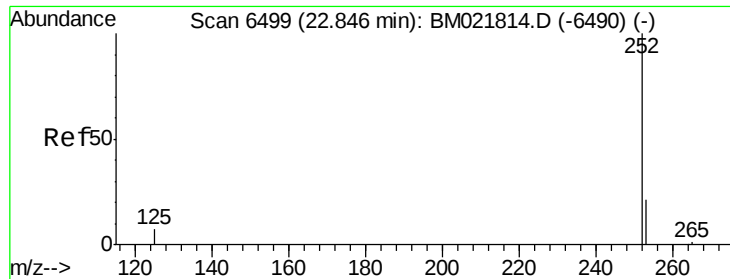


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.655 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.05 min

Lab File: BM021819.D

Acq: 04 Aug 2019 19:02

Instrument :

BNA_M

ClientSampleId :

BENS6DL

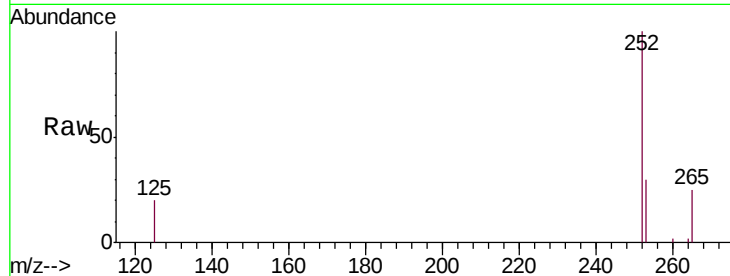
Tgt Ion:252 Resp: 18130

Ion Ratio Lower Upper

252 100

253 30.5 27.0 40.4

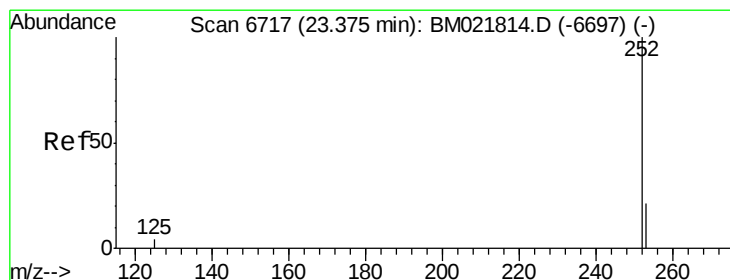
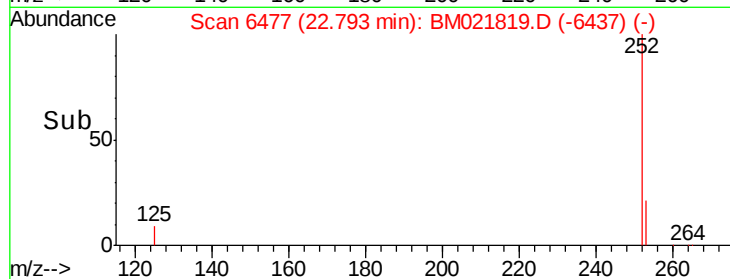
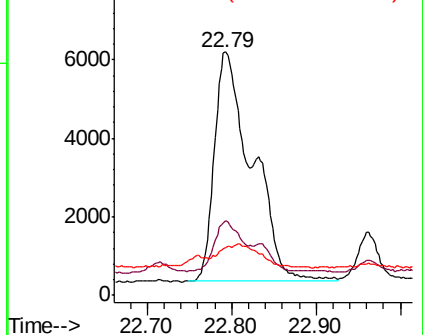
125 19.7 12.2 18.2#



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: 0.339 ng/ul

RT: 23.36 min Scan# 6710

Delta R.T. -0.02 min

Lab File: BM021819.D

Acq: 04 Aug 2019 19:02

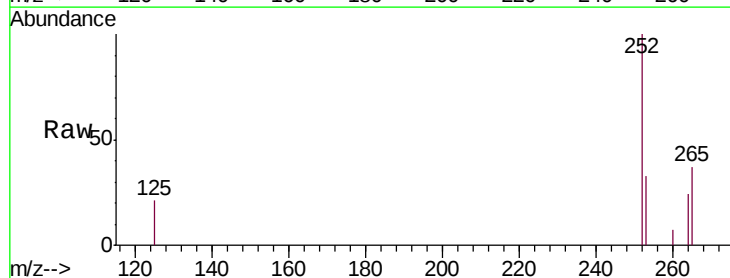
Tgt Ion:252 Resp: 8435

Ion Ratio Lower Upper

252 100

253 32.6 31.7 47.5

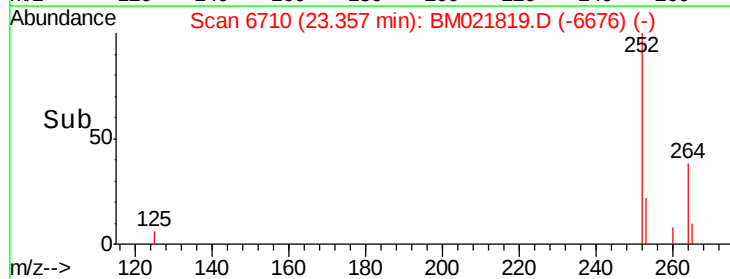
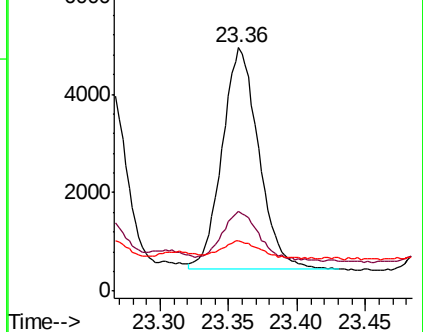
125 20.7 14.6 21.8

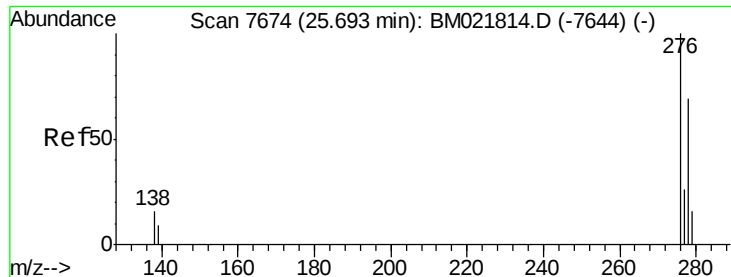


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



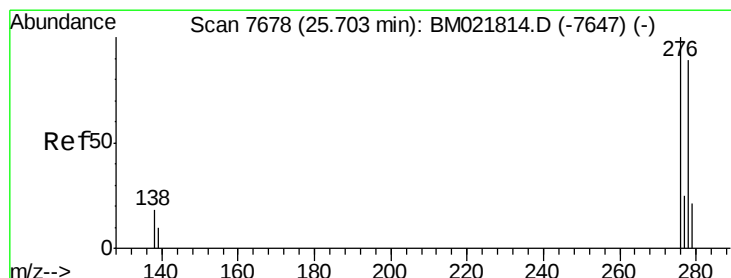
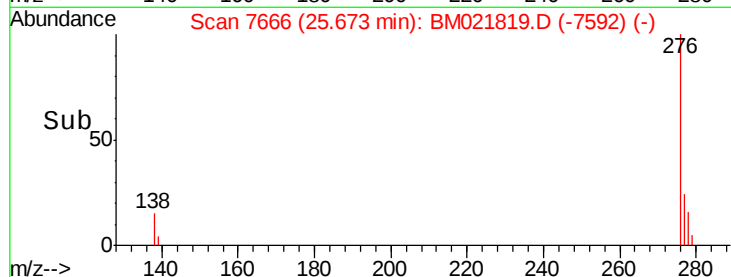
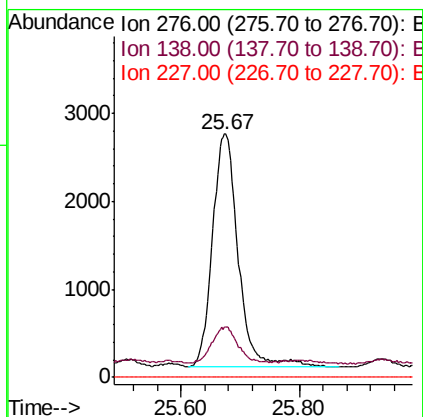
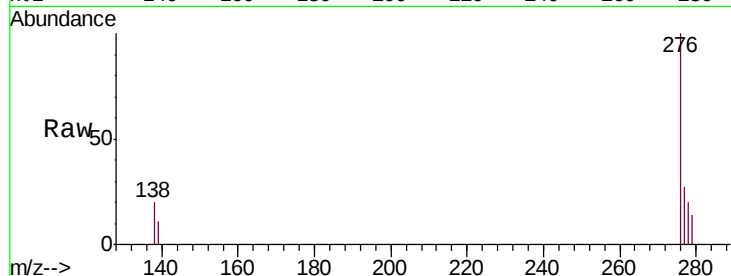


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.270 ng/u1
RT: 25.67 min Scan# 7666
Delta R.T. -0.02 min
Lab File: BM021819.D
Acq: 04 Aug 2019 19:02

Instrument :
BNA_M
ClientSampleId :
BENS6DL

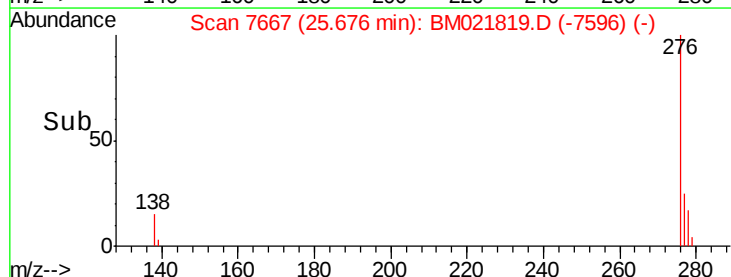
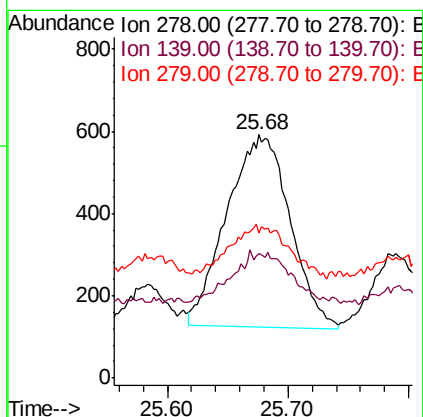
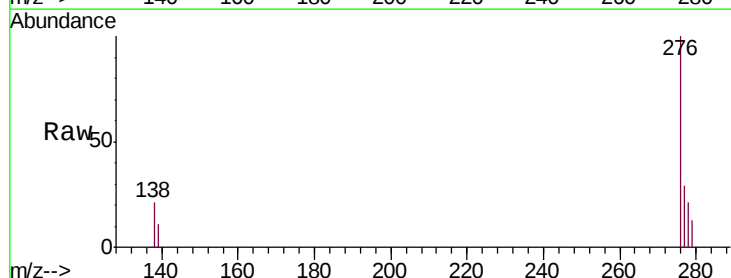
Tgt Ion:276 Resp: 8004
Ion Ratio Lower Upper
276 100
138 15.4 15.1 22.7
227 0.0 0.0 0.0

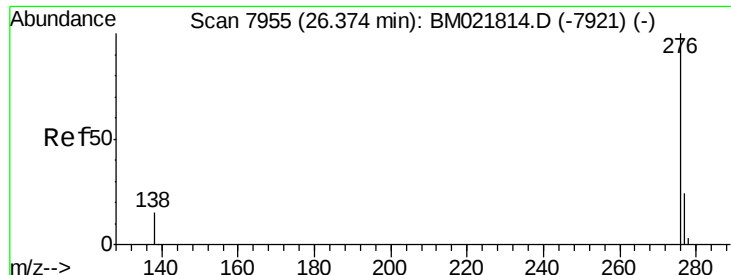


#25

Dibenzo(a,h)anthracene
Concen: 0.071 ng/u1
RT: 25.68 min Scan# 7667
Delta R.T. -0.03 min
Lab File: BM021819.D
Acq: 04 Aug 2019 19:02

Tgt Ion:278 Resp: 1701
Ion Ratio Lower Upper
278 100
139 51.0 14.2 21.2#
279 59.8 28.3 42.5#





#26

Benzo(g,h,i)perylene

Concen: 0.350 ng/ul

RT: 26.36 min Scan# 7949

Delta R.T. -0.01 min

Lab File: BM021819.D

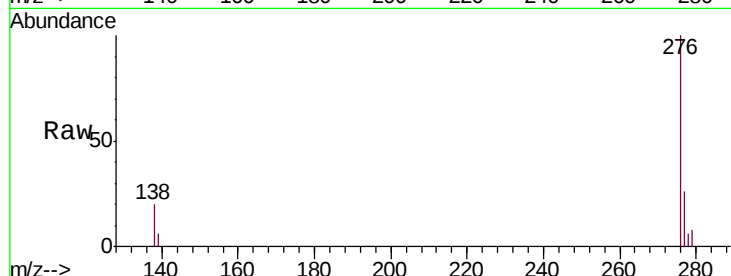
Acq: 04 Aug 2019 19:02

Instrument :

BNA_M

ClientSampleId :

BENS6DL



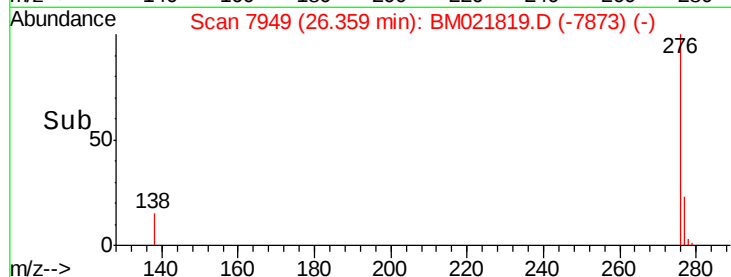
Tgt Ion: 276 Resp: 9352

Ion Ratio Lower Upper

276 100

138 19.7 15.5 23.3

277 26.0 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

