

Data File : BM021791.D
Acq On : 04 Aug 2019 02:02
Operator : HP/JU
Sample : K3850-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENS4

Quant Time: Aug 04 04:27:39 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 : Sun Aug 04 04:24:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	1167	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.42	136	4588	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.29	164	2841	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.15	188	275289	0.40	ng/ul	0.08
16) Chrysene-d12	21.36	240	334	0.40	ng/ul	0.10
20) Perylene-d12	23.72	264	967	0.40	ng/ul	0.24

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	1240	0.16	ng/ul	-0.04
14) Fluoranthene-d10	19.26	212	207	0.00	ng/ul	0.17

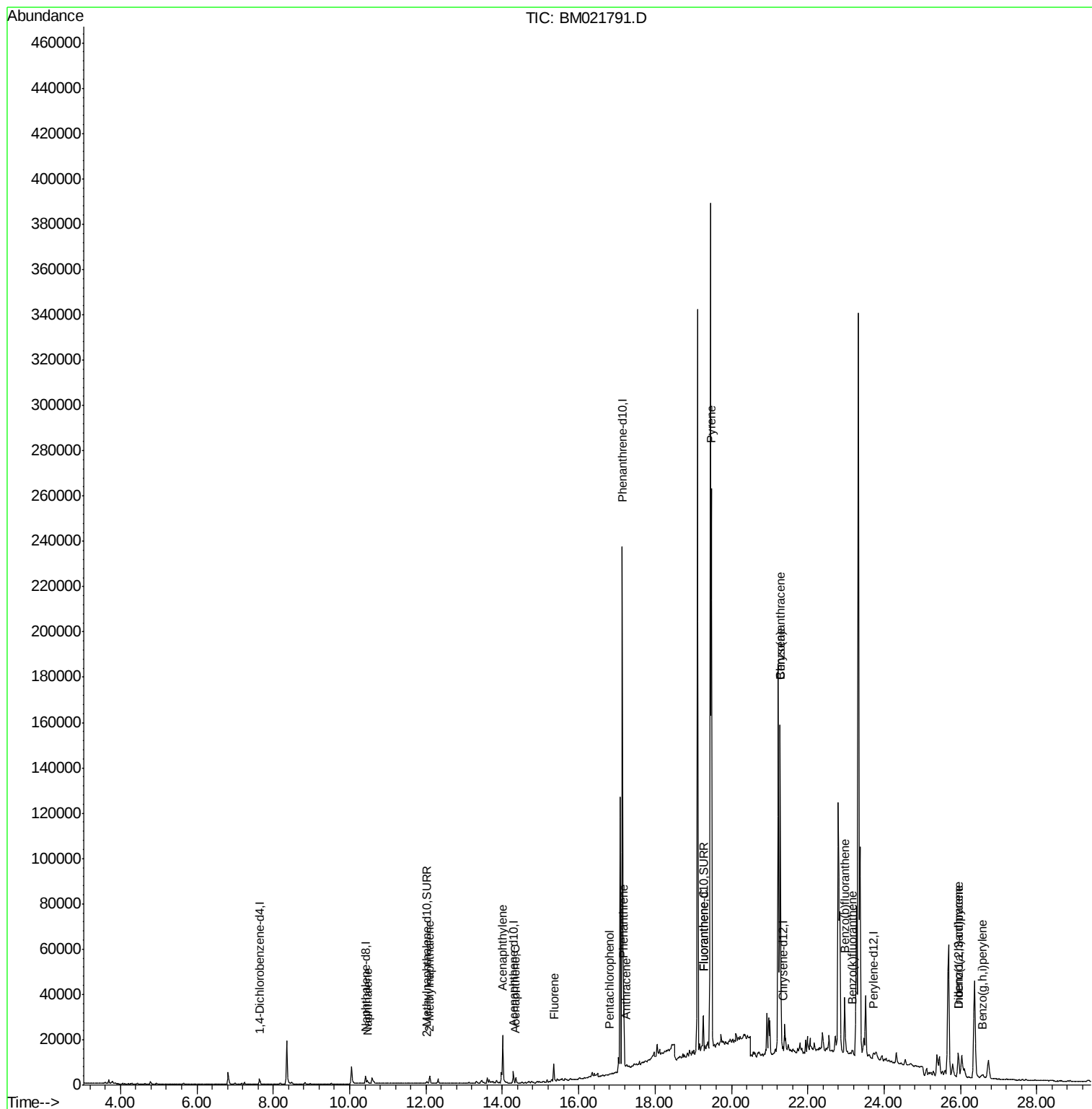
Target Compounds				Qvalue		
3) Naphthalene	10.47	128	1943	0.150	ng/ul	98
5) 2-Methylnaphthalene	12.10	142	2575	0.298	ng/ul	97
7) Acenaphthylene	14.01	152	17917	1.352	ng/ul	95
8) Acenaphthene	14.35	153	1483	0.137	ng/ul	95
9) Fluorene	15.35	166	4976	0.413	ng/ul	99
11) Pentachlorophenol	16.82	266	2	0.000	ng/ul#	1
12) Phenanthrene	17.18	178	32714	0.041	ng/ul	98
13) Anthracene	17.25	178	459	0.001	ng/ul#	1
15) Fluoranthene	19.26	202	12355	0.012	ng/ul	97
17) Pyrene	19.48	202	213092	155.258	ng/ul#	92
18) Benzo(a)anthracene	21.28	228	138619	116.029	ng/ul	93
19) Chrysene	21.28	228	135058	87.901	ng/ul	96
21) Benzo(b)fluoranthene	22.97	252	34062	10.446	ng/ul	87
22) Benzo(k)fluoranthene	23.16	252	2049	0.555	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.94	276	4315	1.090	ng/ul#	61
25) Dibenzo(a,h)anthracene	25.94	278	16912	5.284	ng/ul	96
26) Benzo(g,h,i)perylene	26.58	276	2390	0.670	ng/ul#	46

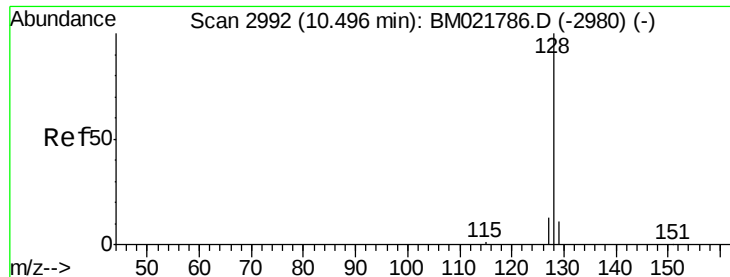
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.150 ng/ul

RT: 10.47 min Scan# 2986

Delta R.T. -0.03 min

Lab File: BM021791.D

Acq: 04 Aug 2019 02:02

Instrument :

BNA_M

ClientSampleId :

BENS4

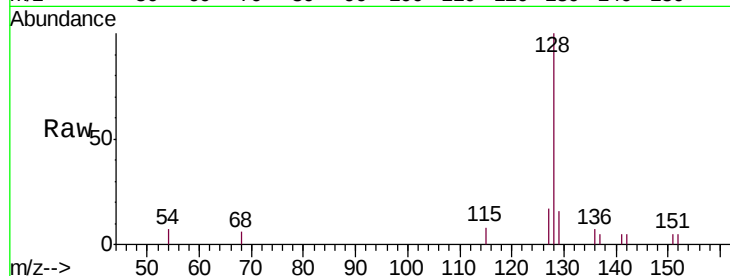
Tgt Ion:128 Resp: 1943

Ion Ratio Lower Upper

128 100

129 16.4 12.3 18.5

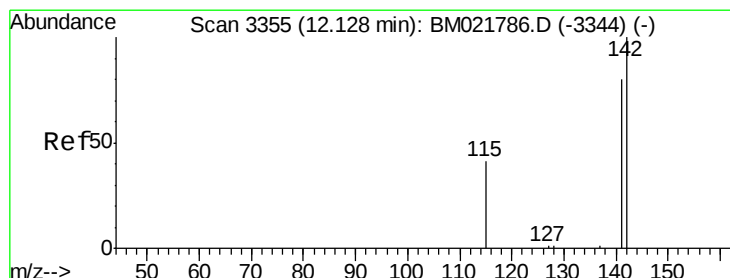
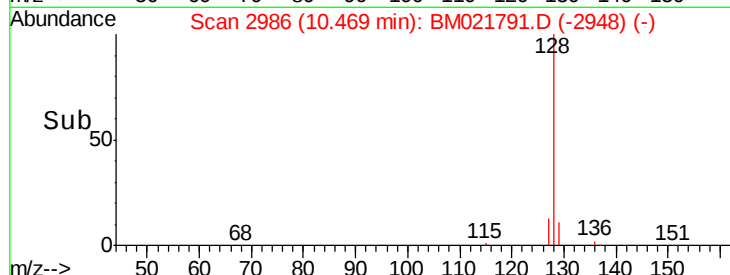
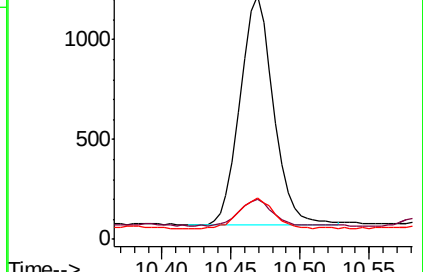
127 16.9 13.0 19.6



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: 0.298 ng/ul

RT: 12.10 min Scan# 3348

Delta R.T. -0.03 min

Lab File: BM021791.D

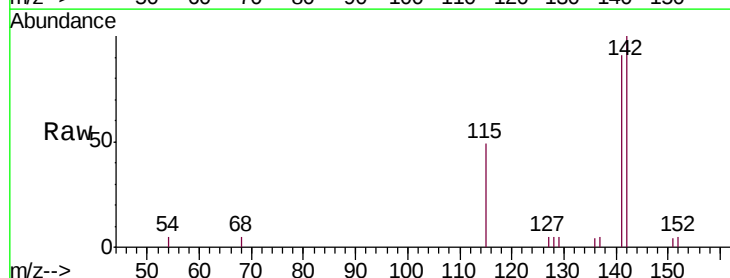
Acq: 04 Aug 2019 02:02

Tgt Ion:142 Resp: 2575

Ion Ratio Lower Upper

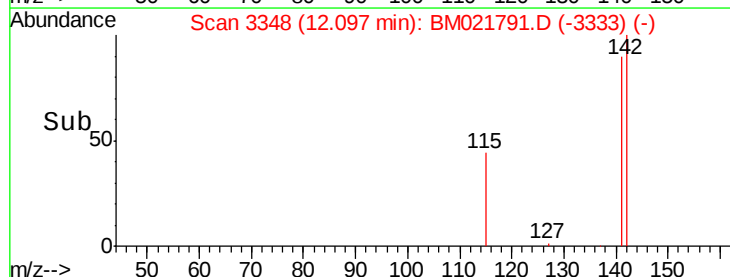
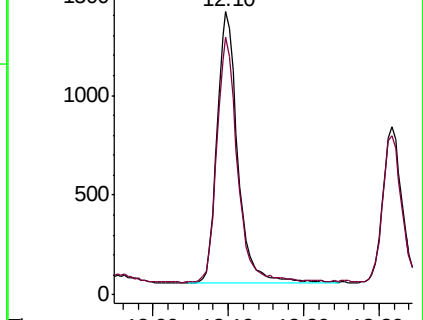
142 100

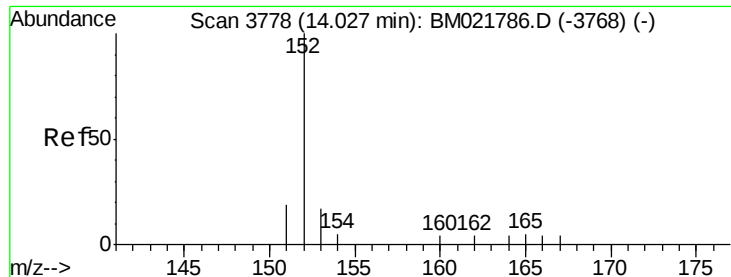
141 89.9 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.352 ng/ul

RT: 14.01 min Scan# 3774

Delta R.T. -0.02 min

Lab File: BM021791.D

Acq: 04 Aug 2019 02:02

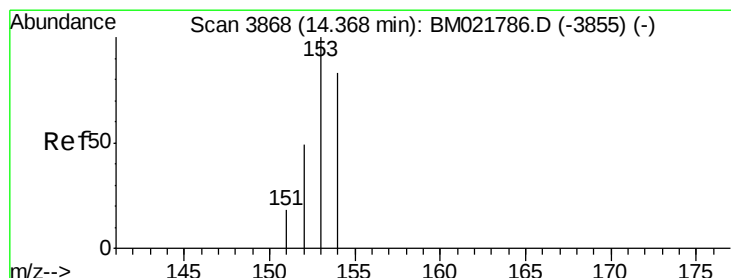
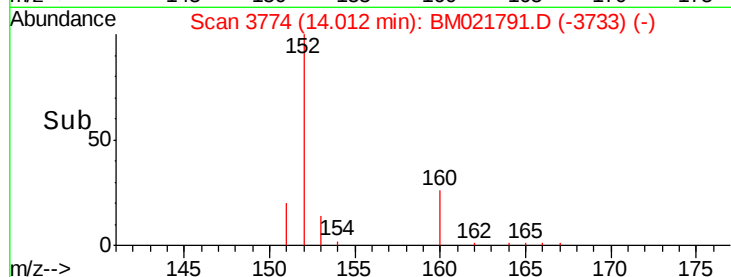
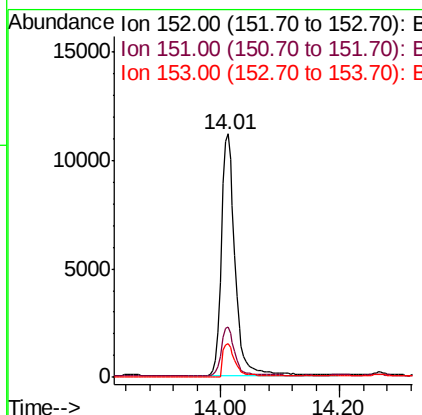
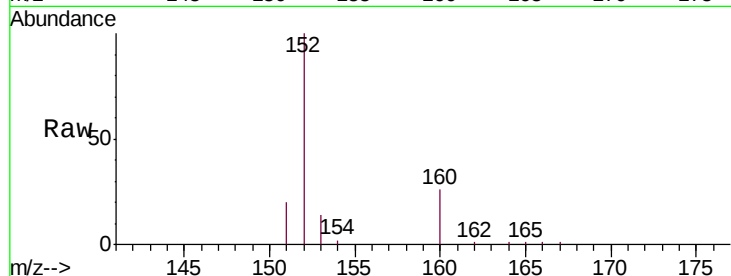
Instrument :

BNA_M

ClientSampleId :

BENS4

Tgt Ion:	152	Resp:	17917
Ion	Ratio	Lower	Upper
152	100		
151	20.4	18.3	27.5
153	13.9	12.8	19.2



#8

Acenaphthene

Concen: 0.137 ng/ul

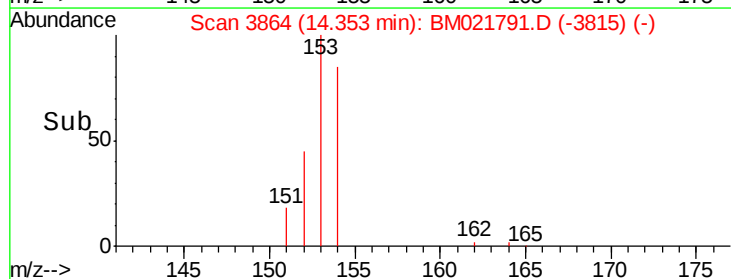
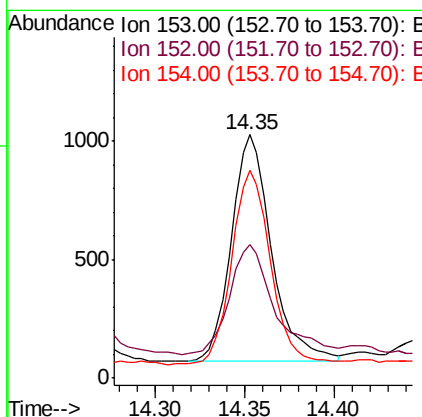
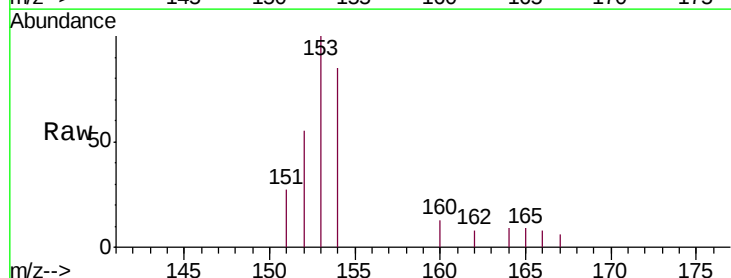
RT: 14.35 min Scan# 3864

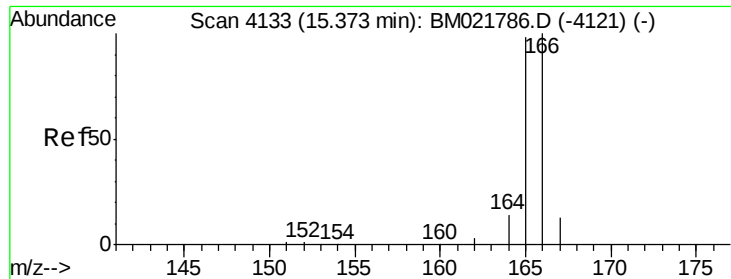
Delta R.T. -0.02 min

Lab File: BM021791.D

Acq: 04 Aug 2019 02:02

Tgt Ion:	153	Resp:	1483
Ion	Ratio	Lower	Upper
153	100		
152	54.7	41.3	61.9
154	85.5	72.3	108.5





#9

Fluorene

Concen: 0.413 ng/ul

RT: 15.35 min Scan# 4126

Delta R.T. -0.03 min

Lab File: BM021791.D

Acq: 04 Aug 2019 02:02

Instrument :

BNA_M

ClientSampleId :

BENS4

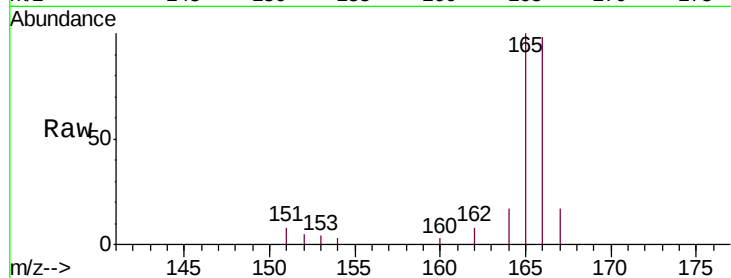
Tgt Ion:166 Resp: 4976

Ion Ratio Lower Upper

166 100

165 102.3 81.4 122.0

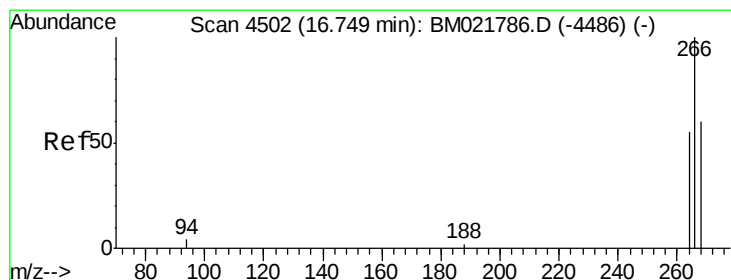
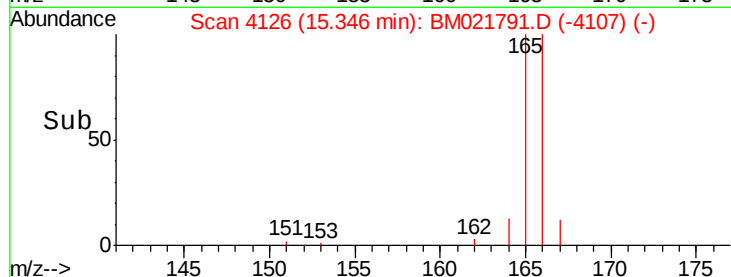
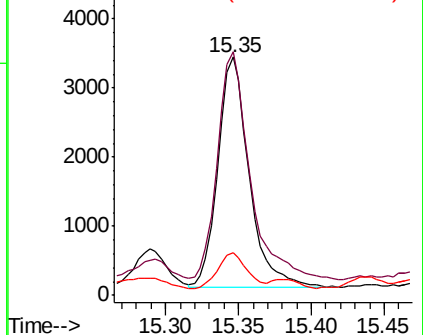
167 17.8 13.7 20.5



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



#11

Pentachlorophenol

Concen: 0.000 ng/ul

RT: 16.82 min Scan# 4523

Delta R.T. 0.07 min

Lab File: BM021791.D

Acq: 04 Aug 2019 02:02

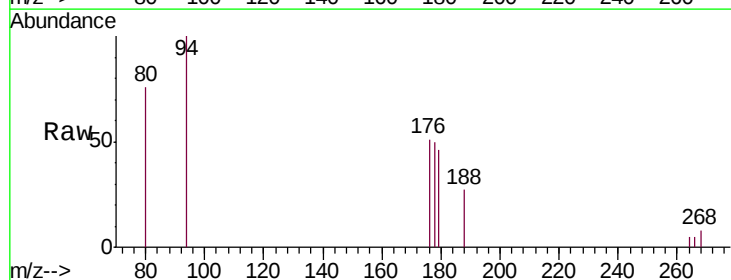
Tgt Ion:266 Resp: 2

Ion Ratio Lower Upper

266 100

264 300.0 54.2 81.2#

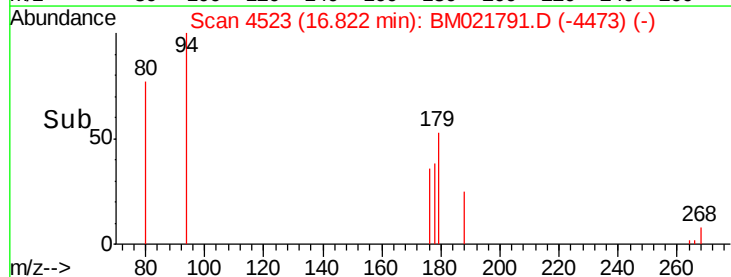
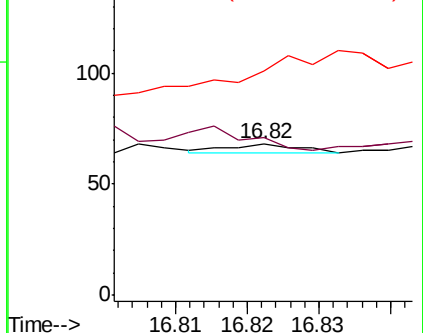
268 2800.0 57.6 86.4#

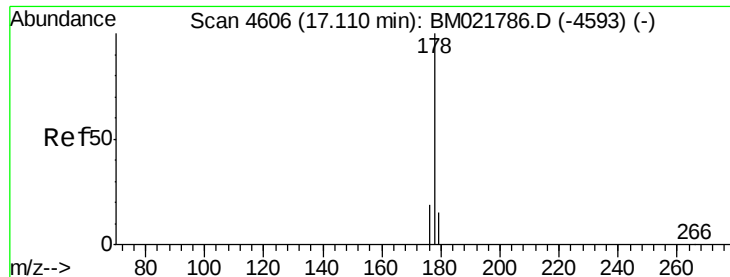


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.041 ng/ul

RT: 17.18 min Scan# 4626

Delta R.T. 0.07 min

Lab File: BM021791.D

Acq: 04 Aug 2019 02:02

Instrument :

BNA_M

ClientSampleId :

BENS4

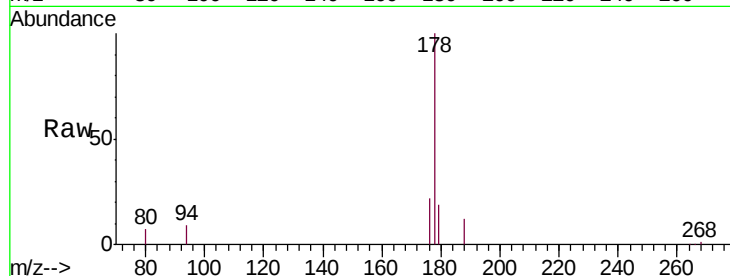
Tgt Ion:178 Resp: 32714

Ion Ratio Lower Upper

178 100

179 18.7 14.2 21.2

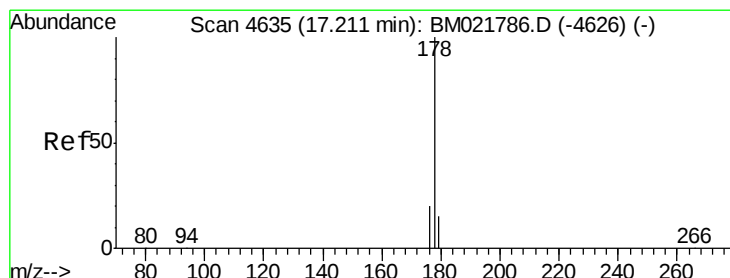
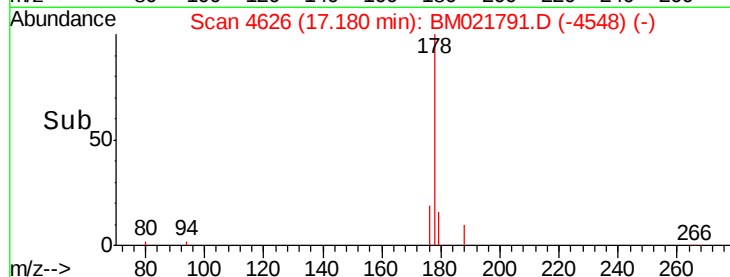
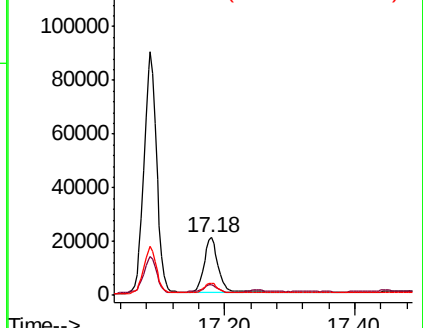
176 21.5 16.8 25.2



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: 0.001 ng/ul

RT: 17.25 min Scan# 4645

Delta R.T. 0.03 min

Lab File: BM021791.D

Acq: 04 Aug 2019 02:02

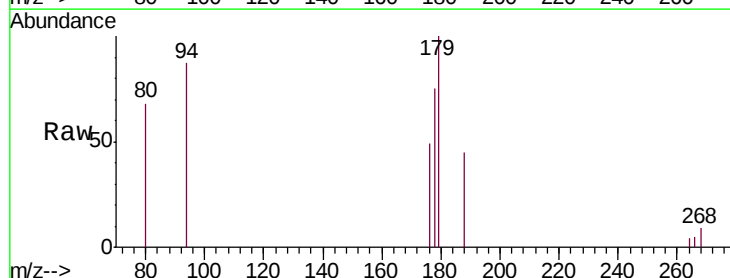
Tgt Ion:178 Resp: 459

Ion Ratio Lower Upper

178 100

179 132.6 15.5 23.3#

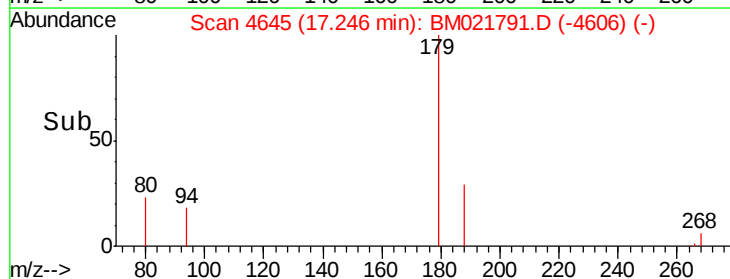
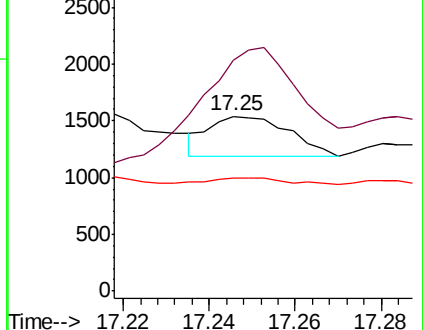
176 65.1 16.6 25.0#

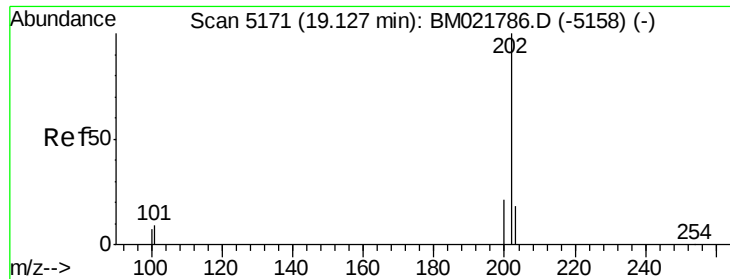


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

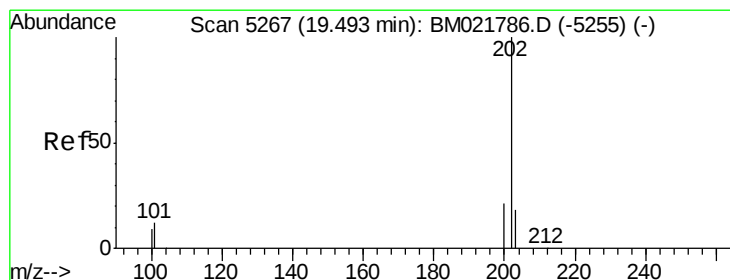
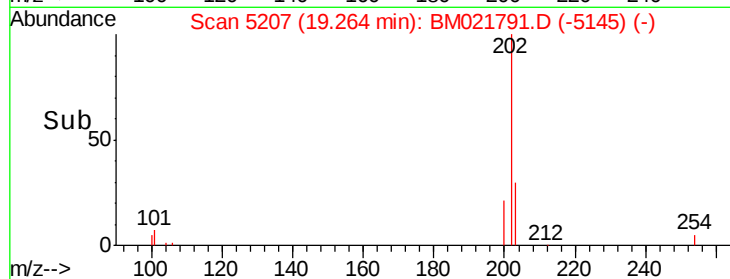
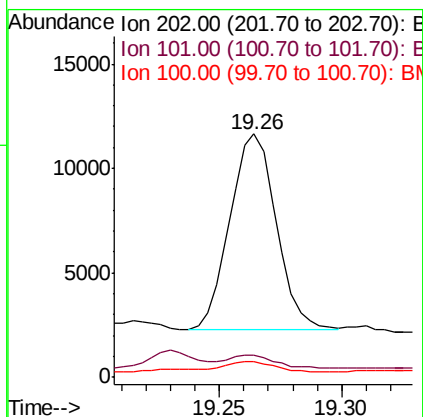
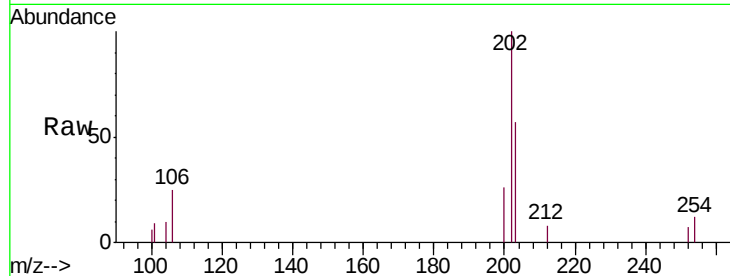




#15
Fluoranthene
 Concen: 0.012 ng/ul
 RT: 19.26 min Scan# 5207
 Delta R.T. 0.14 min
 Lab File: BM021791.D
 Acq: 04 Aug 2019 02:02

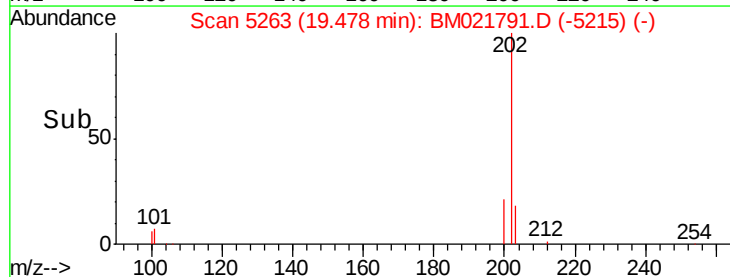
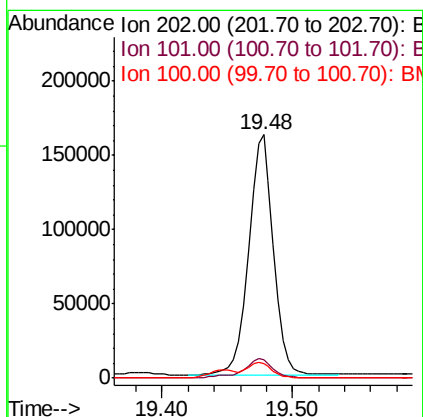
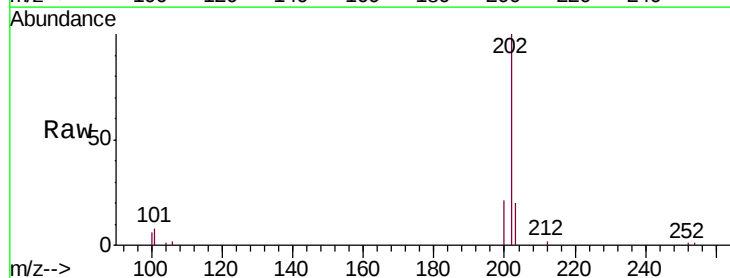
Instrument :
 BNA_M
 ClientSampleId :
 BENS4

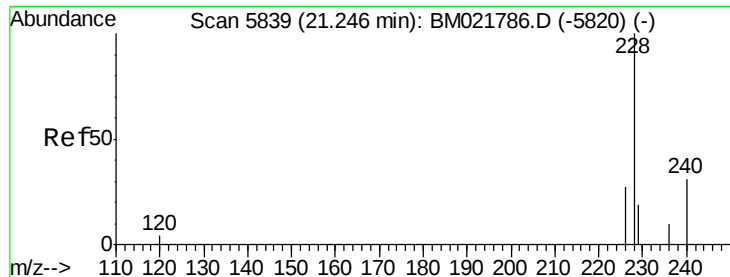
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	12355		
101	9.3	0.0	30.2	
100	6.5	0.0	28.1	



#17
Pyrene
 Concen: 155.258 ng/ul
 RT: 19.48 min Scan# 5263
 Delta R.T. -0.02 min
 Lab File: BM021791.D
 Acq: 04 Aug 2019 02:02

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	213092		
101	7.7	8.3	12.5#	
100	6.1	7.2	10.8#	





#18

Benzo(a)anthracene

Concen: 116.029 ng/ul

RT: 21.28 min Scan# 5853

Delta R.T. 0.03 min

Lab File: BM021791.D

Acq: 04 Aug 2019 02:02

Instrument :

BNA_M

ClientSampleId :

BENS4

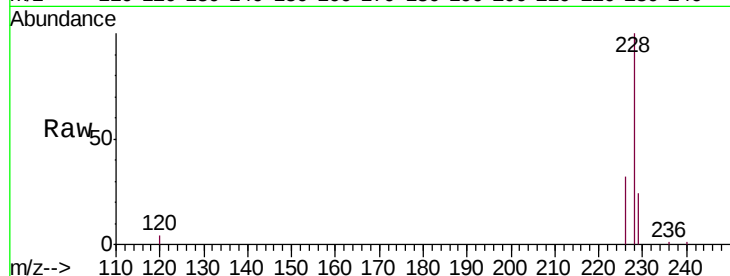
Tgt Ion:228 Resp: 138619

Ion Ratio Lower Upper

228 100

229 24.4 17.2 25.8

226 31.9 22.6 34.0

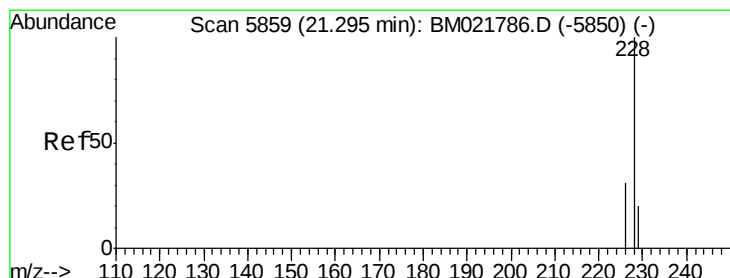
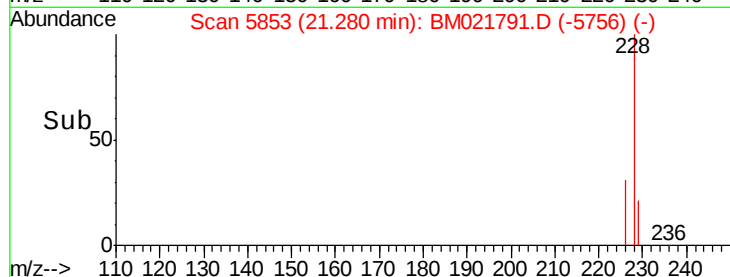
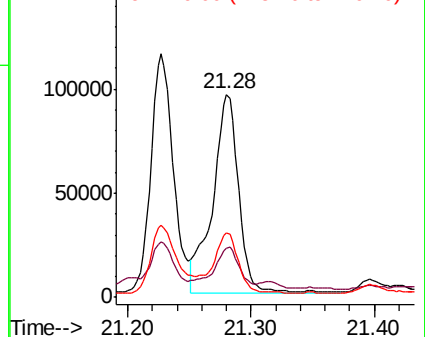


Abundance

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: 87.901 ng/ul

RT: 21.28 min Scan# 5853

Delta R.T. -0.01 min

Lab File: BM021791.D

Acq: 04 Aug 2019 02:02

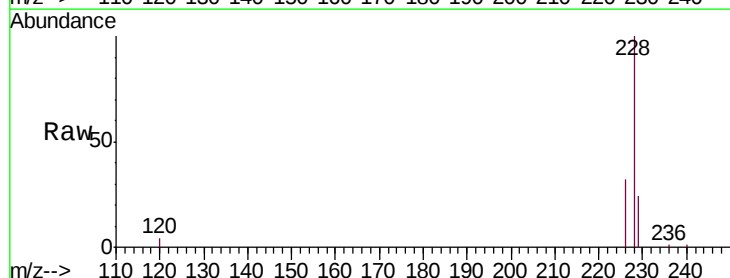
Tgt Ion:228 Resp: 135058

Ion Ratio Lower Upper

228 100

226 31.9 24.9 37.3

229 24.4 16.6 25.0

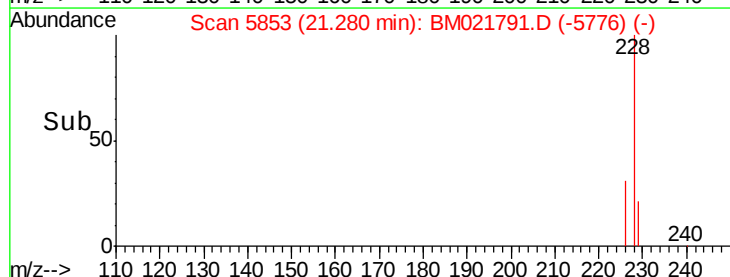
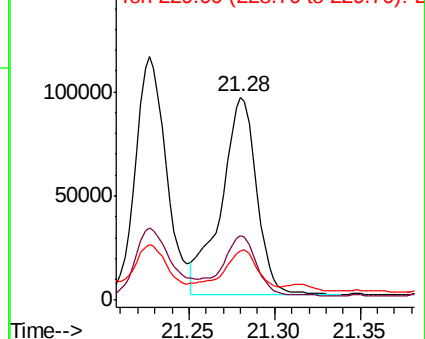


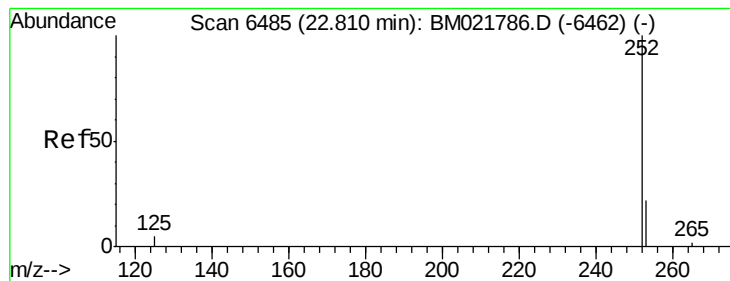
Abundance

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: 10.446 ng/u1

RT: 22.97 min Scan# 6550

Delta R.T. 0.16 min

Lab File: BM021791.D

Acq: 04 Aug 2019 02:02

Instrument :

BNA_M

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BENS4

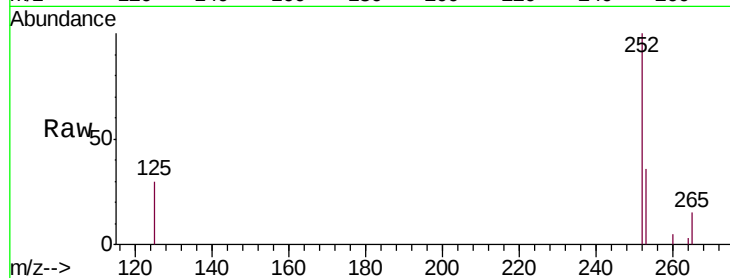
Tgt Ion:252 Resp: 34062

Ion Ratio Lower Upper

252 100

253 35.7 0.0 67.4

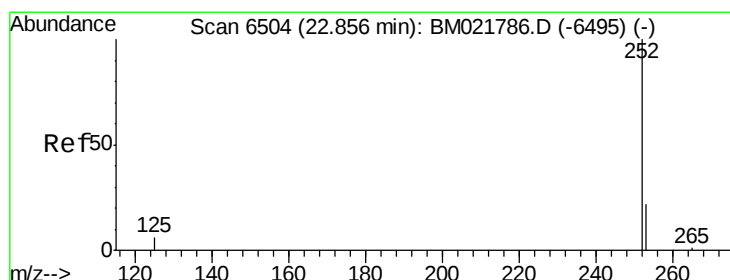
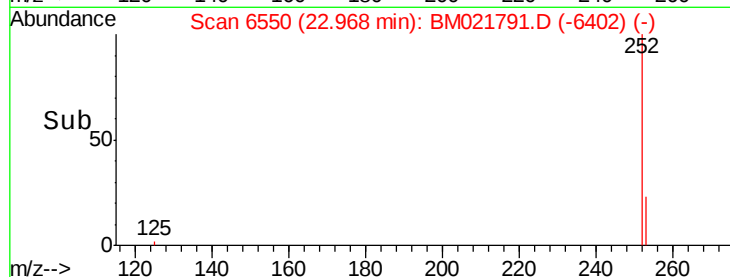
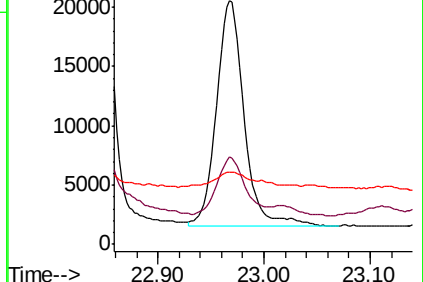
125 29.7 0.0 31.0



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: 0.555 ng/u1

RT: 23.16 min Scan# 6631

Delta R.T. 0.31 min

Lab File: BM021791.D

Acq: 04 Aug 2019 02:02

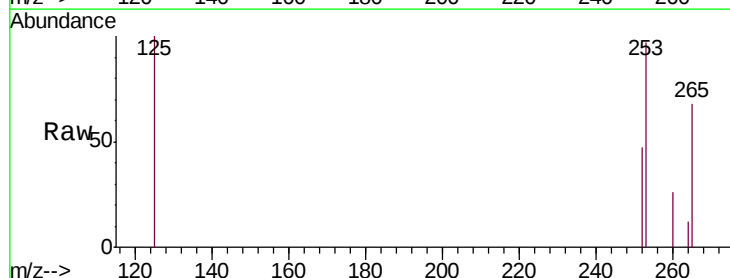
Tgt Ion:252 Resp: 2049

Ion Ratio Lower Upper

252 100

253 206.6 27.0 40.4#

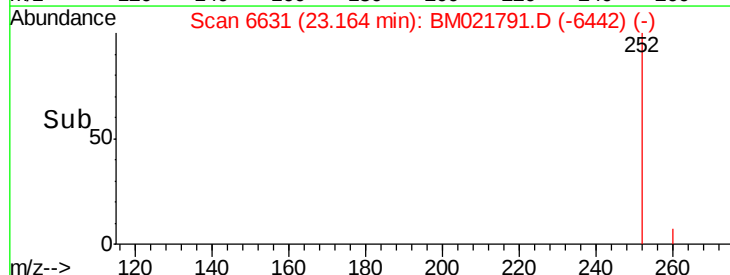
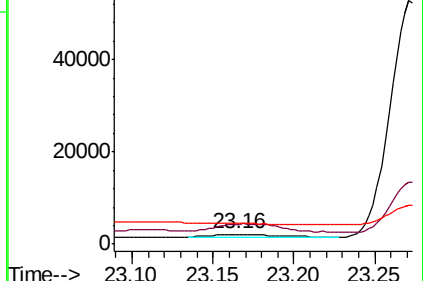
125 211.9 12.2 18.2#

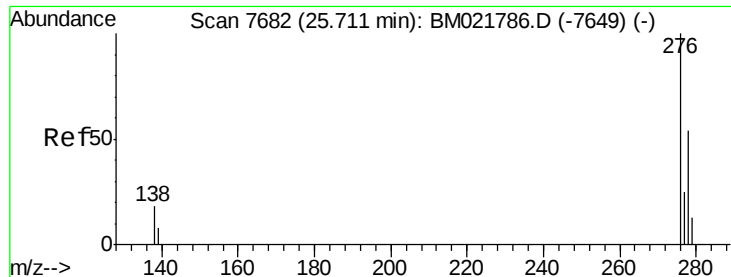


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Indeno(1,2,3-cd)pyrene

Concen: 1.090 ng/u1

RT: 25.94 min Scan# 7777

Delta R.T. 0.23 min

Lab File: BM021791.D

Acq: 04 Aug 2019 02:02

Instrument :

BNA_M

ClientSampleId :

BENS4

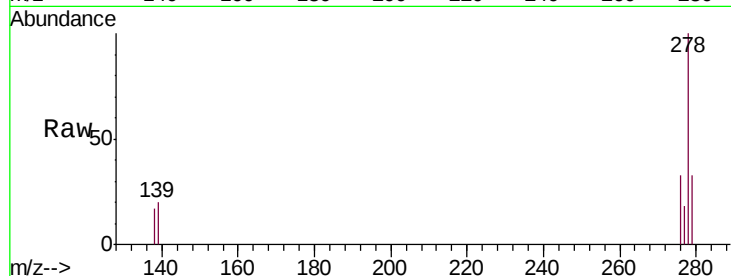
Tgt Ion:276 Resp: 4315

Ion Ratio Lower Upper

276 100

138 36.6 15.1 22.7#

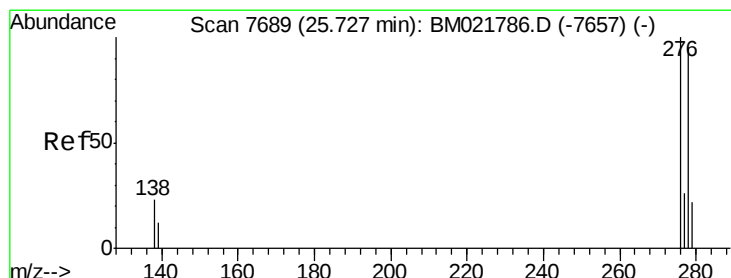
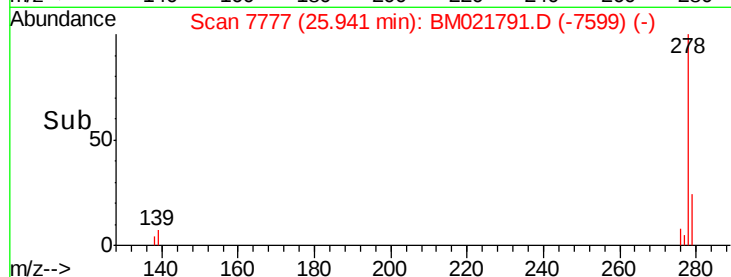
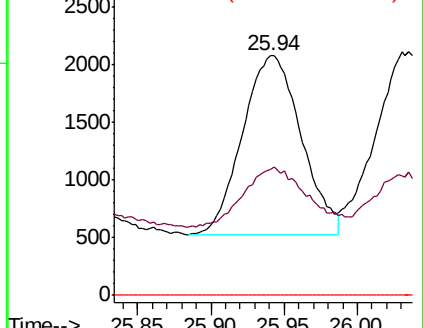
227 0.0 0.0 0.0



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: 5.284 ng/u1

RT: 25.94 min Scan# 7777

Delta R.T. 0.21 min

Lab File: BM021791.D

Acq: 04 Aug 2019 02:02

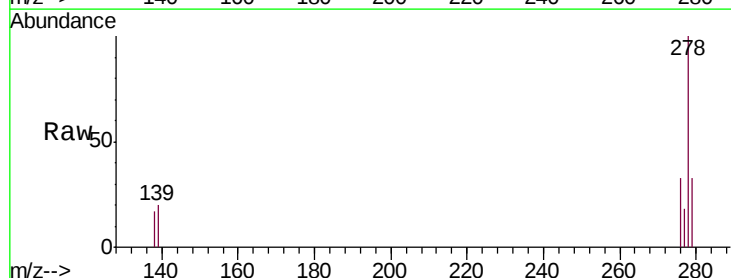
Tgt Ion:278 Resp: 16912

Ion Ratio Lower Upper

278 100

139 20.1 14.2 21.2

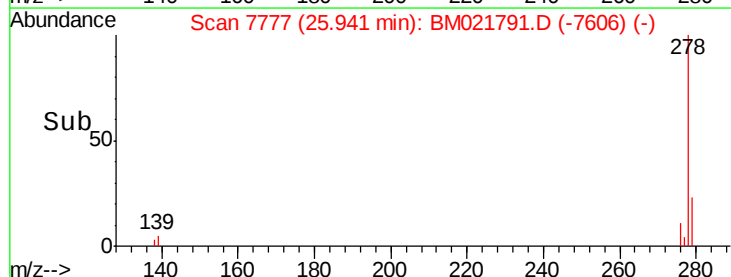
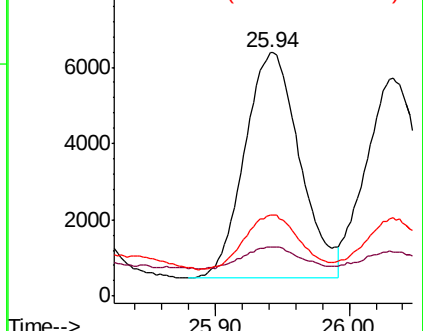
279 33.2 28.3 42.5

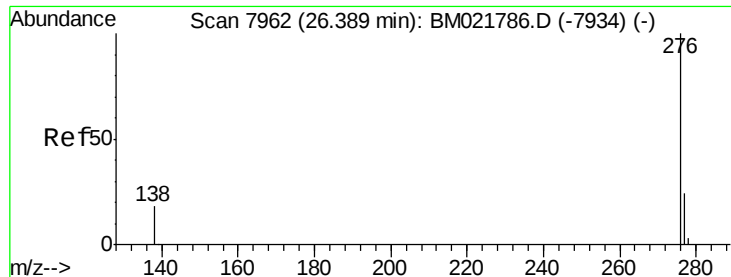


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.670 ng/ul

RT: 26.58 min Scan# 8041

Delta R.T. 0.19 min

Lab File: BM021791.D

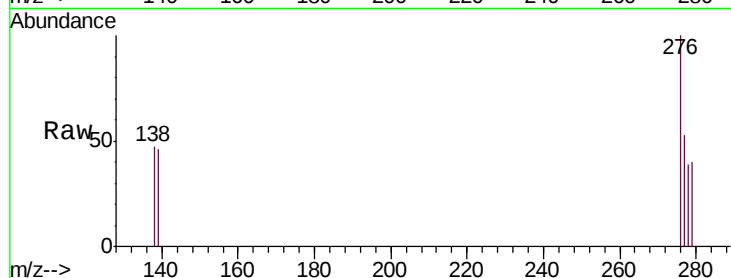
Acq: 04 Aug 2019 02:02

Instrument :

BNA_M

ClientSampleId :

BENS4



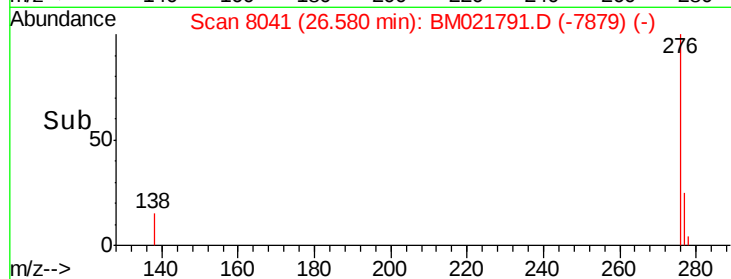
Tgt Ion: 276 Resp: 2390

Ion Ratio Lower Upper

276 100

138 46.8 15.5 23.3#

277 52.7 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

