

Data File : BM021793.D
Acq On : 04 Aug 2019 03:15
Operator : HP/JU
Sample : K3850-14
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENS1

Quant Time: Aug 04 05:10:04 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	1070	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.42	136	4253	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.29	164	2580	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.14	188	226170	0.40	ng/ul	0.07
16) Chrysene-d12	0.00	240	0	0.00	ng/ul	-21.26
20) Perylene-d12	23.46	264	11410	0.40	ng/ul	-0.02

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	992	0.14	ng/ul	-0.03
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	

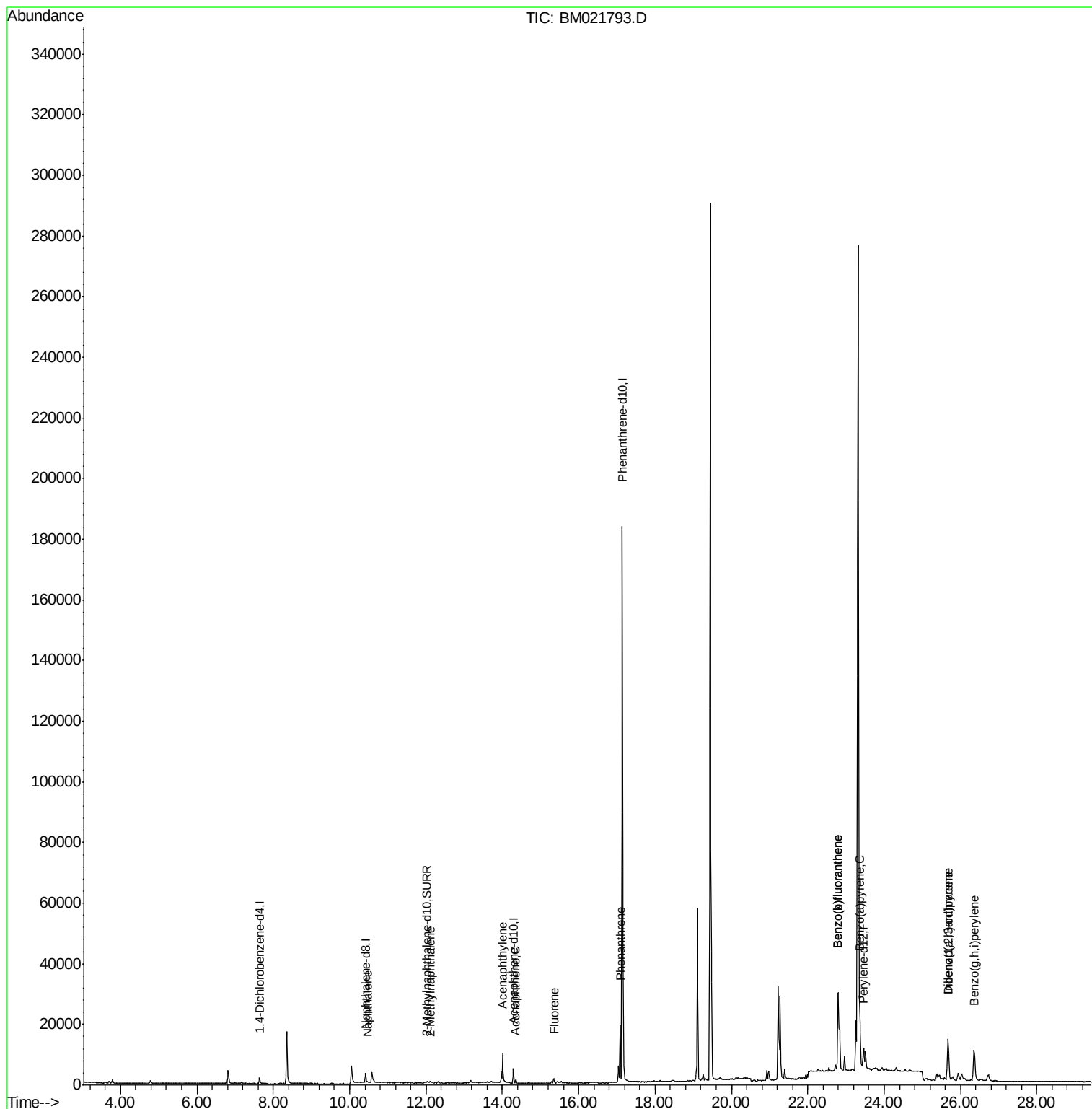
Target Compounds				Qvalue		
3) Naphthalene	10.46	128	564	0.047	ng/ul#	77
5) 2-Methylnaphthalene	12.11	142	396	0.049	ng/ul	96
7) Acenaphthylene	14.01	152	2545	0.212	ng/ul	98
8) Acenaphthene	14.35	153	672	0.068	ng/ul	96
9) Fluorene	15.35	166	996	0.091	ng/ul#	96
12) Phenanthrene	17.09	178	19622	0.030	ng/ul	98
21) Benzo(b)fluoranthene	22.79	252	59268	1.540	ng/ul	87
22) Benzo(k)fluoranthene	22.79	252	59268	1.361	ng/ul#	87
23) Benzo(a)pyrene	23.36	252	28289	0.723	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	25.67	276	23990	0.513	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.68	278	5339	0.141	ng/ul#	80
26) Benzo(g,h,i)perylene	26.36	276	23237	0.552	ng/ul	96

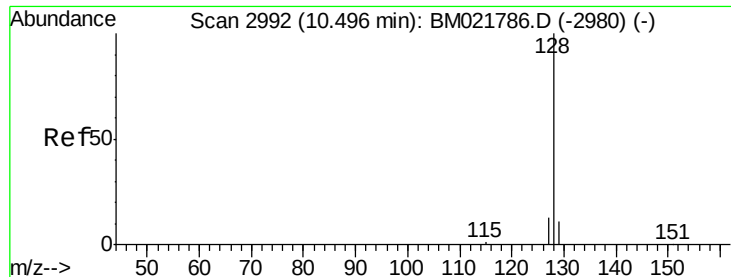
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.047 ng/ul

RT: 10.46 min Scan# 2985

Delta R.T. -0.03 min

Lab File: BM021793.D

Acq: 04 Aug 2019 03:15

Instrument :

BNA_M

ClientSampleId :

BENS1

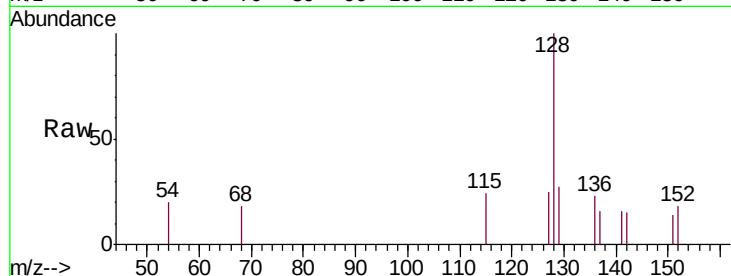
Tgt Ion:128 Resp: 564

Ion Ratio Lower Upper

128 100

129 26.6 12.3 18.5#

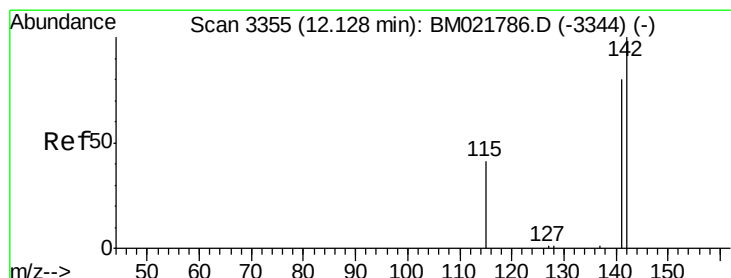
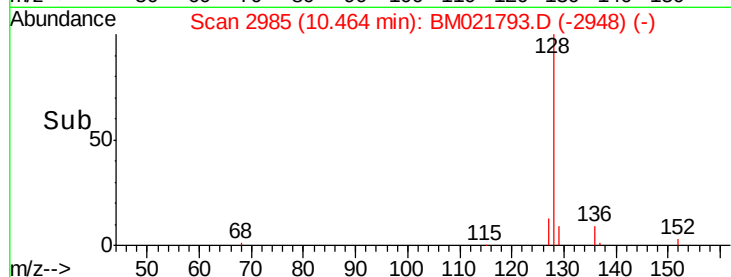
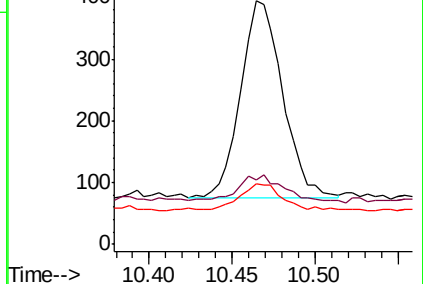
127 24.9 13.0 19.6#



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: 0.049 ng/ul

RT: 12.11 min Scan# 3350

Delta R.T. -0.02 min

Lab File: BM021793.D

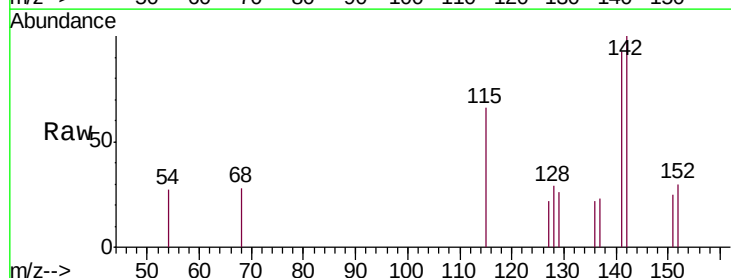
Acq: 04 Aug 2019 03:15

Tgt Ion:142 Resp: 396

Ion Ratio Lower Upper

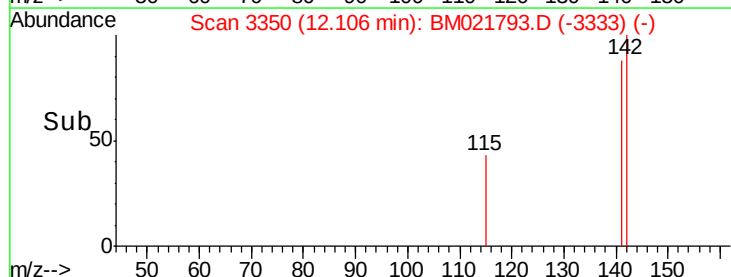
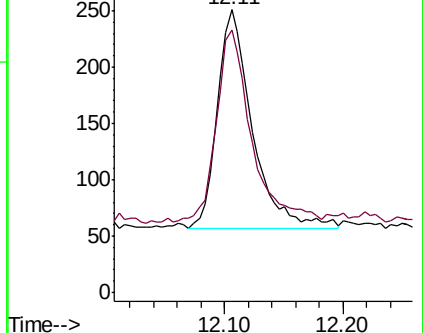
142 100

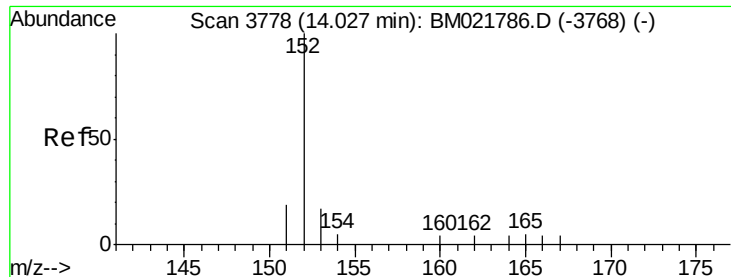
141 88.6 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.212 ng/ul

RT: 14.01 min Scan# 3774

Delta R.T. -0.02 min

Lab File: BM021793.D

Acq: 04 Aug 2019 03:15

Instrument :

BNA_M

ClientSampleId :

BENS1

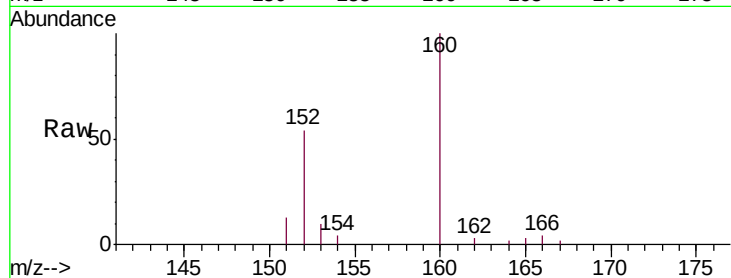
Tgt Ion:152 Resp: 2545

Ion Ratio Lower Upper

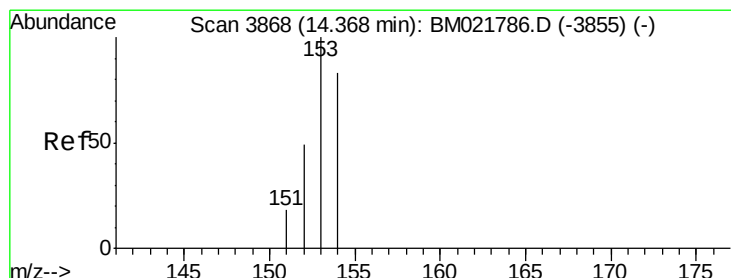
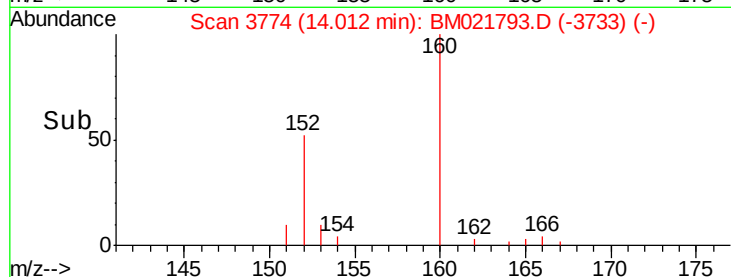
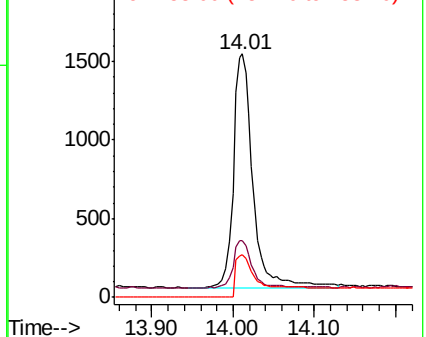
152 100

151 23.2 18.3 27.5

153 17.6 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: 0.068 ng/ul

RT: 14.35 min Scan# 3864

Delta R.T. -0.02 min

Lab File: BM021793.D

Acq: 04 Aug 2019 03:15

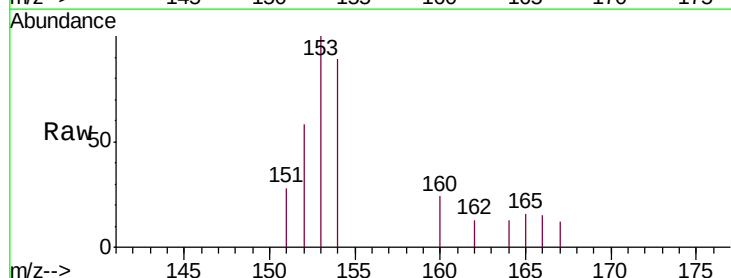
Tgt Ion:153 Resp: 672

Ion Ratio Lower Upper

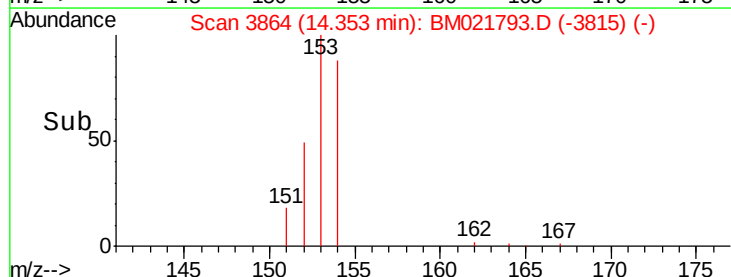
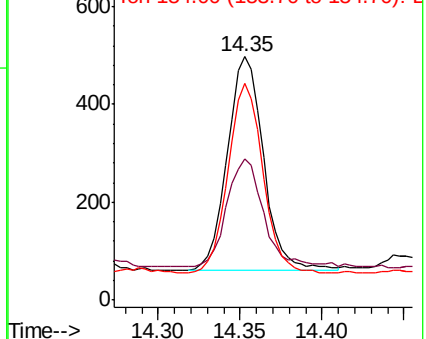
153 100

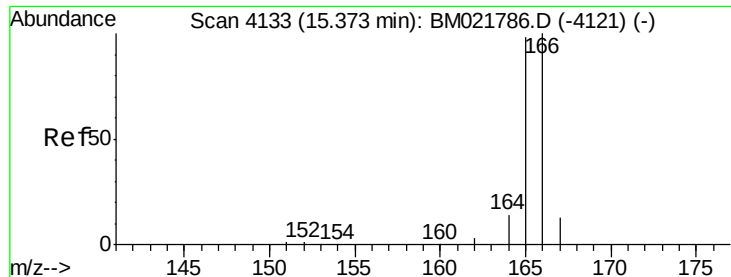
152 58.2 41.3 61.9

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

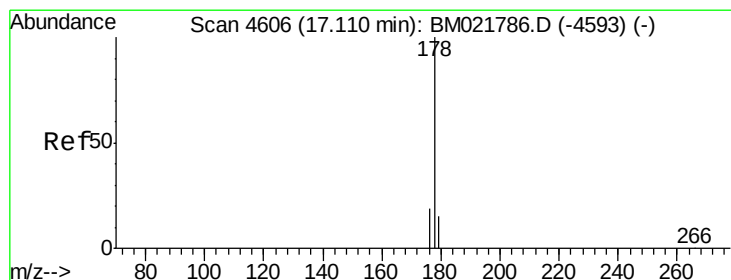
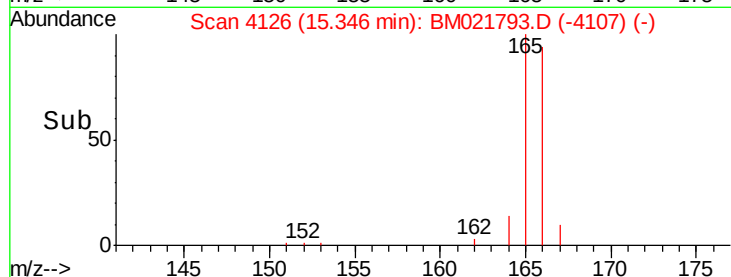
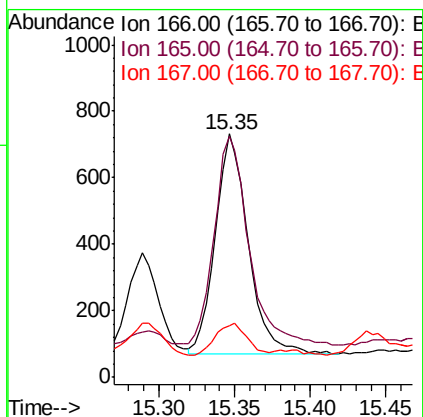
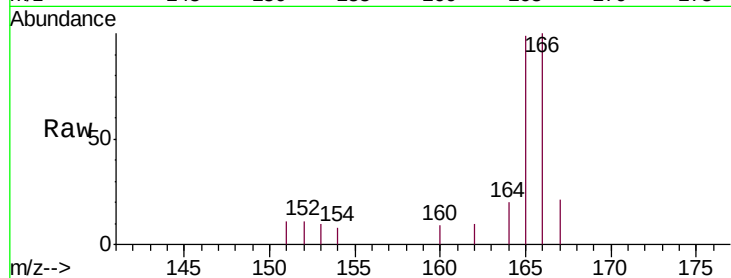




#9
Fluorene
 Concen: 0.091 ng/ul
 RT: 15.35 min Scan# 4126
 Delta R.T. -0.03 min
 Lab File: BM021793.D
 Acq: 04 Aug 2019 03:15

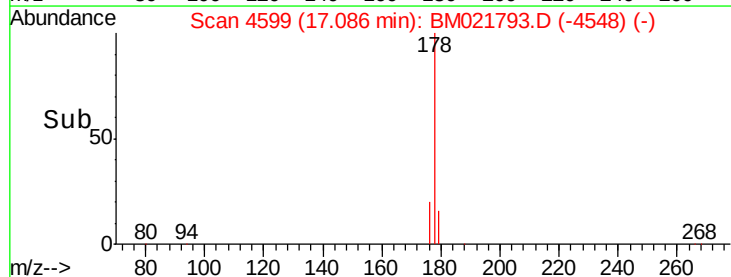
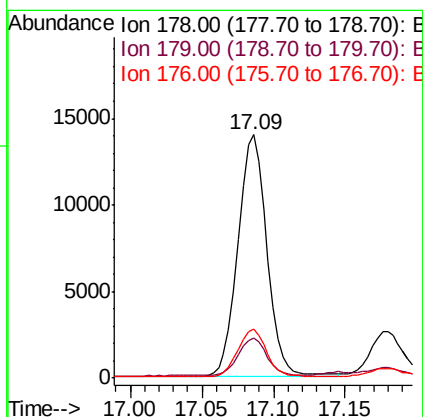
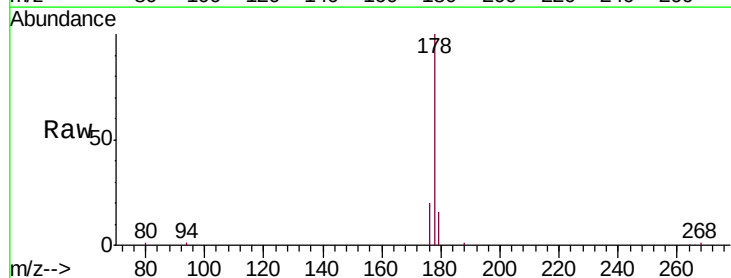
Instrument :
 BNA_M
 ClientSampleId :
 BENS1

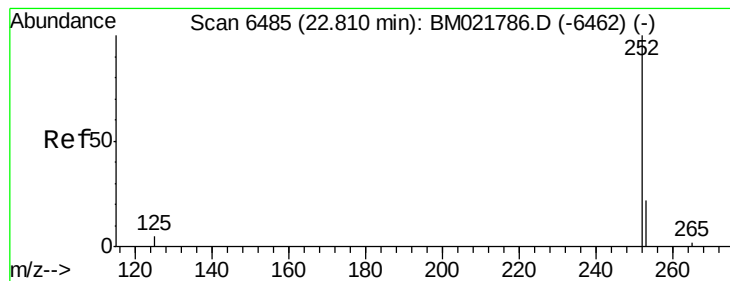
Tgt Ion:166 Resp: 996
 Ion Ratio Lower Upper
 166 100
 165 98.8 81.4 122.0
 167 21.3 13.7 20.5#



#12
Phenanthrene
 Concen: 0.030 ng/ul
 RT: 17.09 min Scan# 4599
 Delta R.T. -0.02 min
 Lab File: BM021793.D
 Acq: 04 Aug 2019 03:15

Tgt Ion:178 Resp: 19622
 Ion Ratio Lower Upper
 178 100
 179 16.3 14.2 21.2
 176 20.1 16.8 25.2





#21

Benzo(b)fluoranthene

Concen: 1.540 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.02 min

Lab File: BM021793.D

Acq: 04 Aug 2019 03:15

Instrument :

BNA_M

ClientSampleId :

BENS1

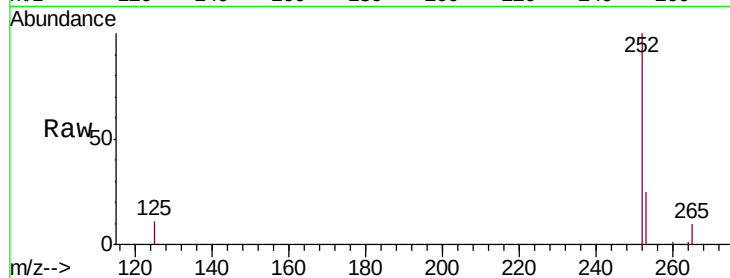
Tgt Ion:252 Resp: 59268

Ion Ratio Lower Upper

252 100

253 25.1 0.0 67.4

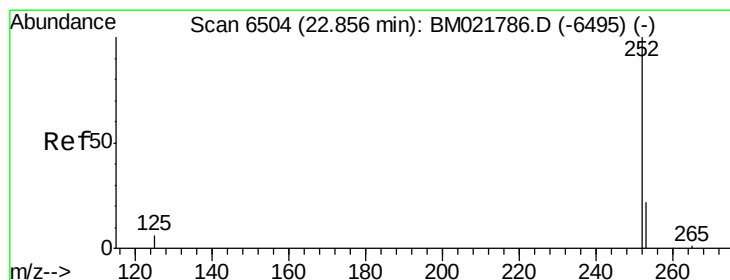
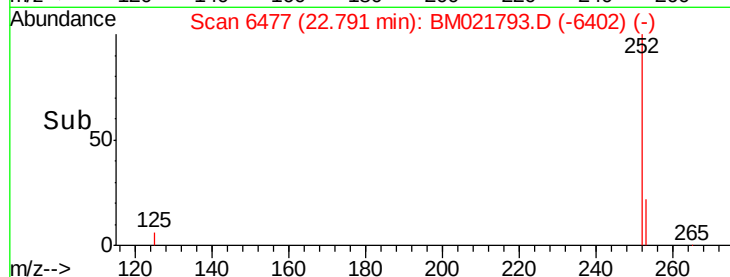
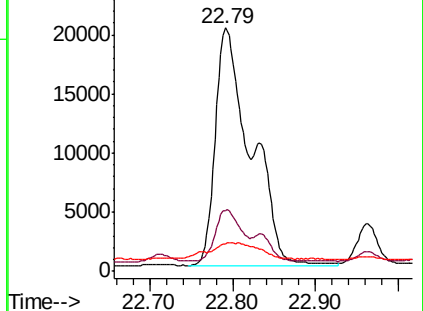
125 11.3 0.0 31.0



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: 1.361 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.07 min

Lab File: BM021793.D

Acq: 04 Aug 2019 03:15

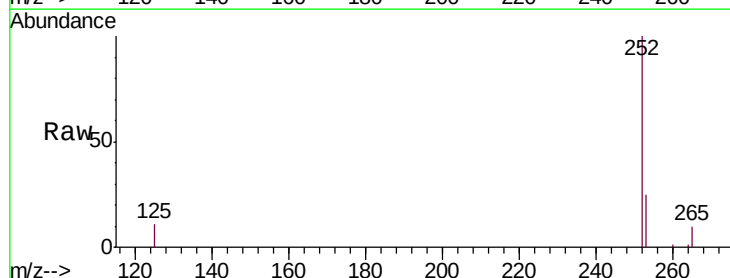
Tgt Ion:252 Resp: 59268

Ion Ratio Lower Upper

252 100

253 25.1 27.0 40.4#

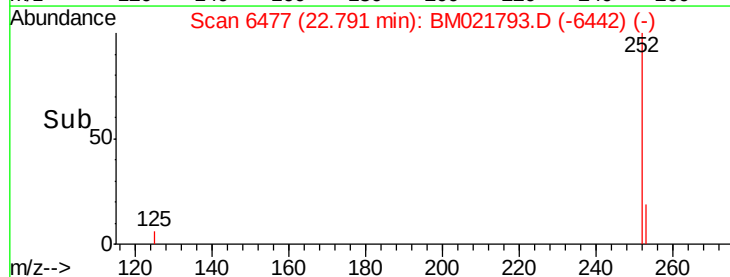
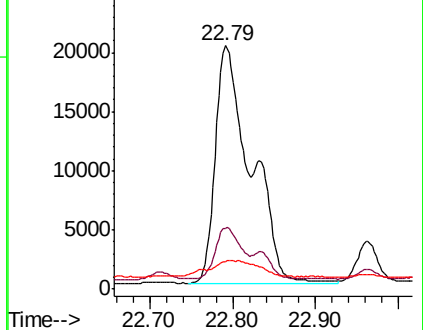
125 11.3 12.2 18.2#

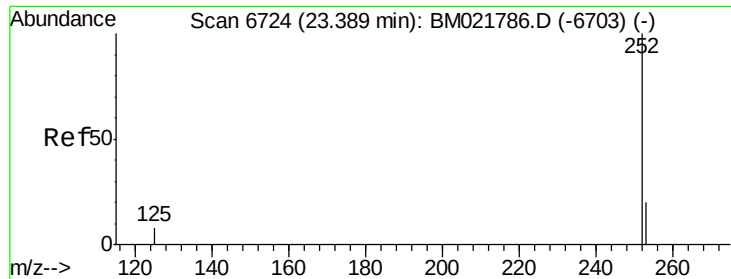


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.723 ng/ul

RT: 23.36 min Scan# 6711

Delta R.T. -0.03 min

Lab File: BM021793.D

Acq: 04 Aug 2019 03:15

Instrument :

BNA_M

ClientSampleId :

BENS1

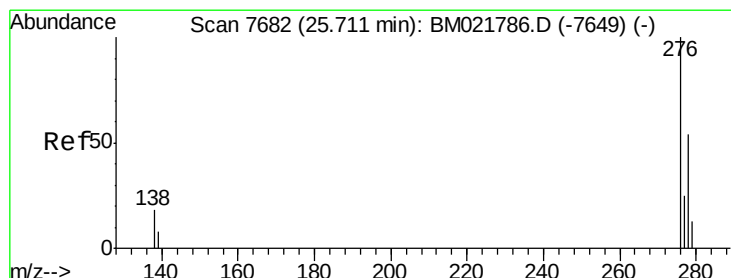
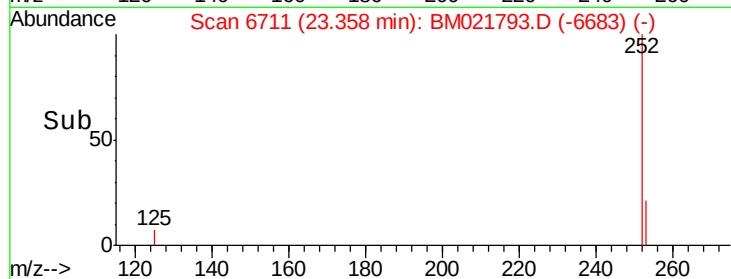
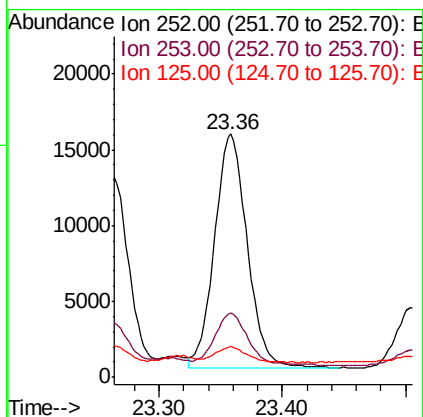
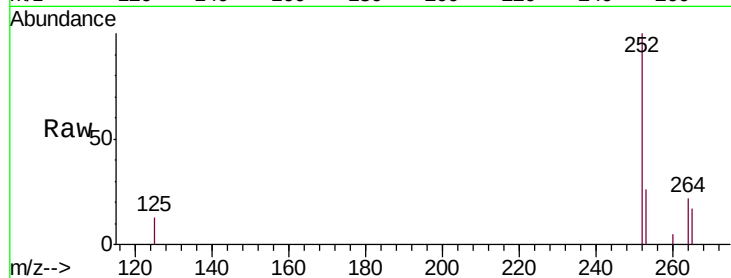
Tgt Ion:252 Resp: 28289

Ion Ratio Lower Upper

252 100

253 26.2 31.7 47.5#

125 12.6 14.6 21.8#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.513 ng/ul

RT: 25.67 min Scan# 7667

Delta R.T. -0.04 min

Lab File: BM021793.D

Acq: 04 Aug 2019 03:15

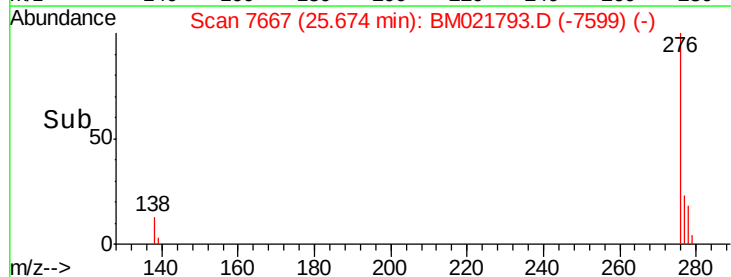
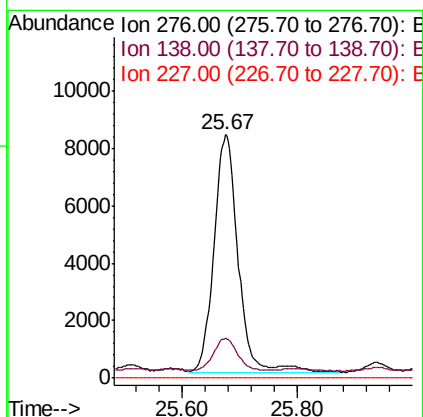
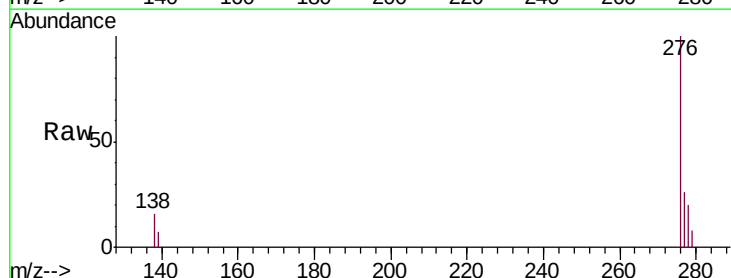
Tgt Ion:276 Resp: 23990

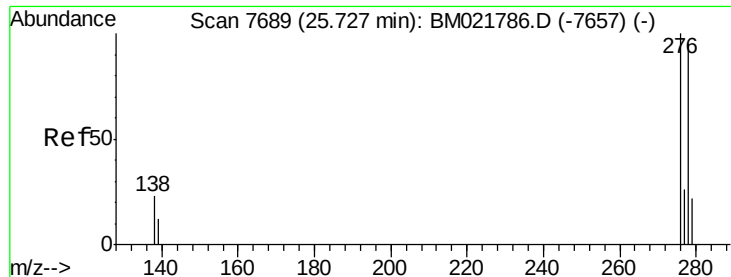
Ion Ratio Lower Upper

276 100

138 13.2 15.1 22.7#

227 0.0 0.0 0.0

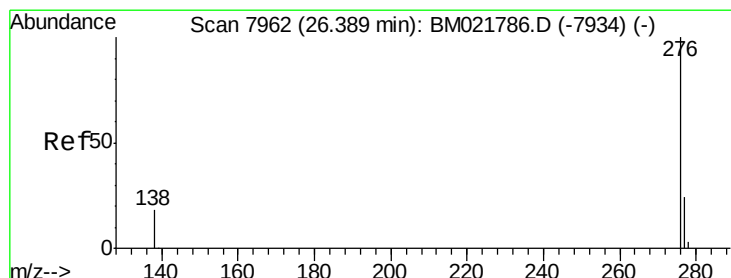
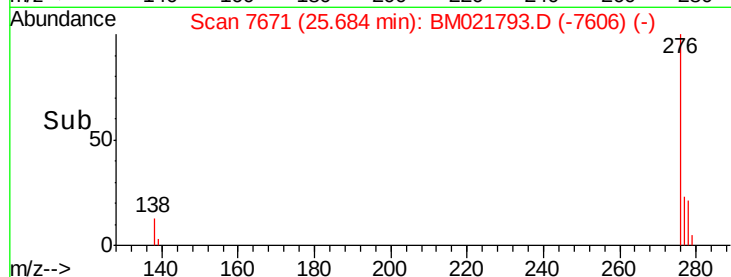
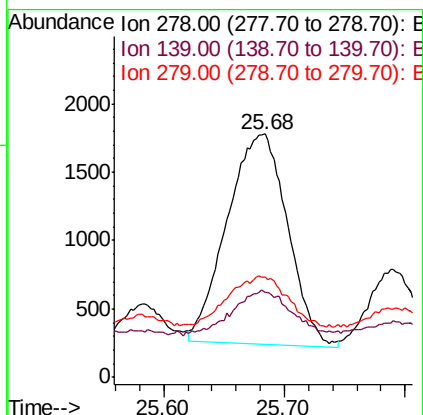
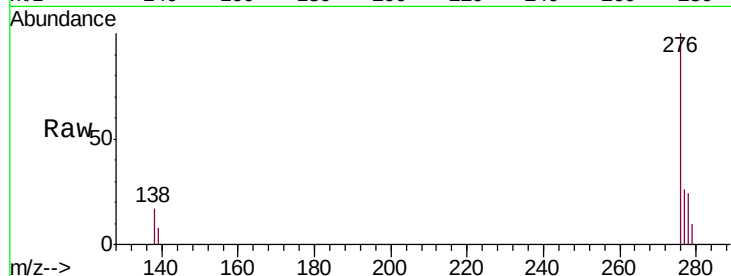




#25
Dibenzo(a,h)anthracene
Concen: 0.141 ng/ul
RT: 25.68 min Scan# 7671
Delta R.T. -0.04 min
Lab File: BM021793.D
Acq: 04 Aug 2019 03:15

Instrument :
BNA_M
ClientSampleId :
BENS1

Tgt Ion: 278 Resp: 5339
Ion Ratio Lower Upper
278 100
139 35.0 14.2 21.2#
279 41.3 28.3 42.5



#26
Benzo(g,h,i)perylene
Concen: 0.552 ng/ul
RT: 26.36 min Scan# 7949
Delta R.T. -0.03 min
Lab File: BM021793.D
Acq: 04 Aug 2019 03:15

Tgt Ion: 276 Resp: 23237
Ion Ratio Lower Upper
276 100
138 16.2 15.5 23.3
277 25.7 21.4 32.2

