

Data File : BM021806.D
Acq On : 04 Aug 2019 11:08
Operator : HP/JU
Sample : K3850-12RE
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENR9

Quant Time: Aug 05 05:29:41 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 05:26:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	966	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	3960	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.29	164	2344	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.14	188	243645	0.40	ng/ul	0.08
16) Chrysene-d12	21.38	240	55	0.40	ng/ul	0.14
20) Perylene-d12	23.71	264	737	0.40	ng/ul	0.24

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	1062	0.16	ng/ul	-0.02
14) Fluoranthene-d10	19.17	212	78	0.00	ng/ul	0.09

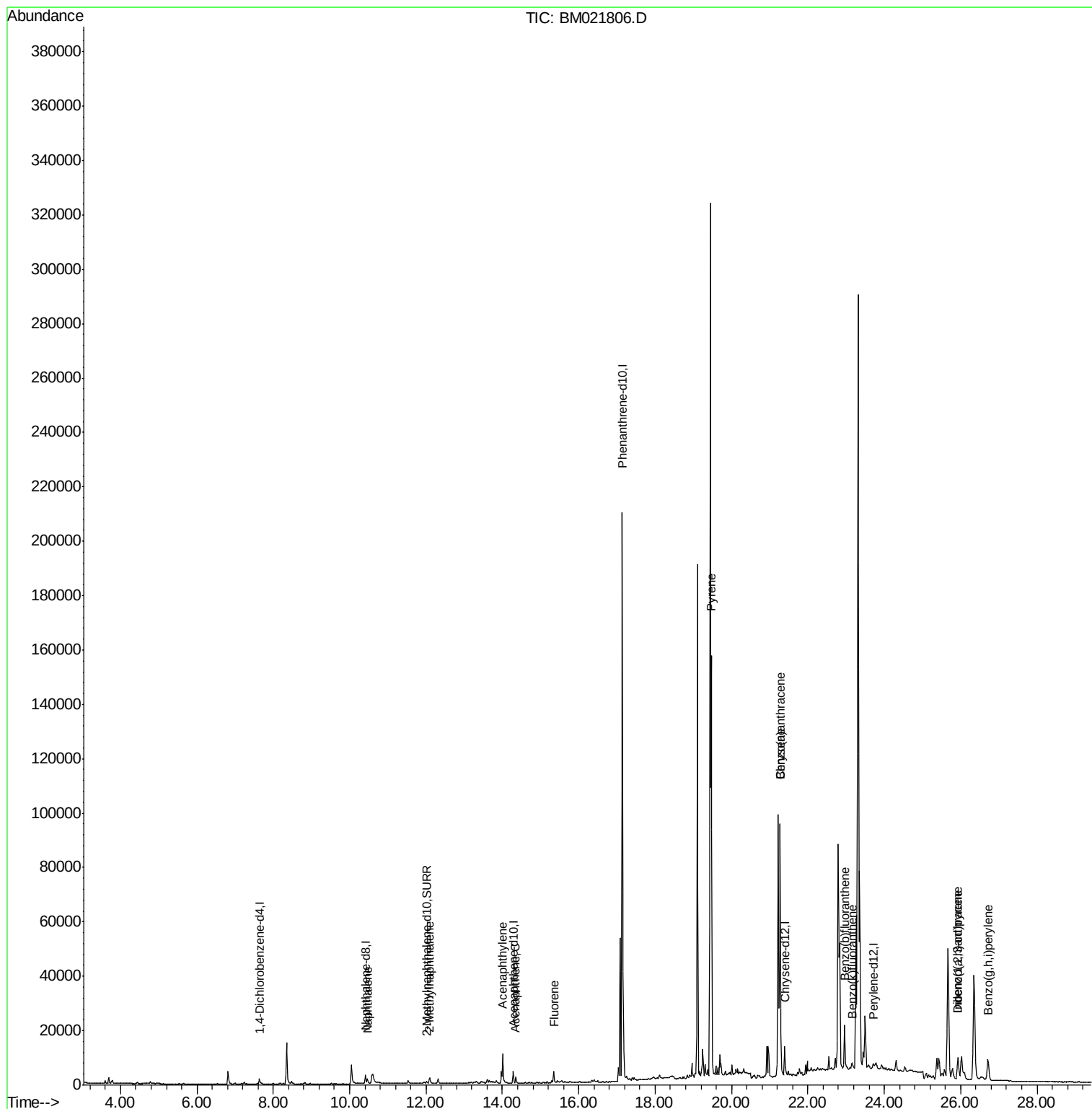
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.47	128	2458	0.220	ng/ul	98
5) 2-Methylnaphthalene	12.09	142	1659	0.223	ng/ul	99
7) Acenaphthylene	14.01	152	8404	0.769	ng/ul	96
8) Acenaphthene	14.35	153	1494	0.167	ng/ul	97
9) Fluorene	15.34	166	2854	0.287	ng/ul	98
17) Pyrene	19.47	202	133519	590.762	ng/ul	97
18) Benzo(a)anthracene	21.27	228	92462	469.991	ng/ul	96
19) Chrysene	21.27	228	92182	364.339	ng/ul	99
21) Benzo(b)fluoranthene	22.96	252	21553	8.672	ng/ul	94
22) Benzo(k)fluoranthene	23.15	252	1910	0.679	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.93	276	3217	1.066	ng/ul#	53
25) Dibenzo(a,h)anthracene	25.93	278	12559	5.149	ng/ul	96
26) Benzo(g,h,i)perylene	26.72	276	15718	5.785	ng/ul#	91

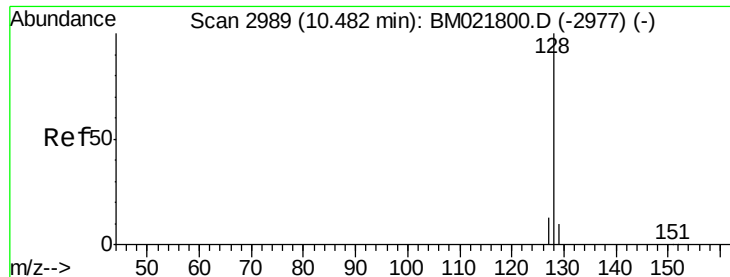
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.220 ng/ul

RT: 10.47 min Scan# 2985

Delta R.T. -0.02 min

Lab File: BM021806.D

Acq: 04 Aug 2019 11:08

Instrument :

BNA_M

ClientSampleId :

BENR9

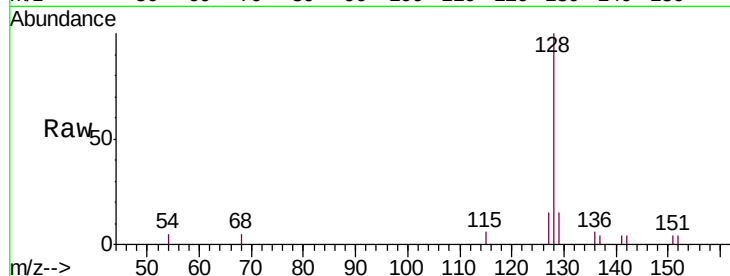
Tgt Ion:128 Resp: 2458

Ion Ratio Lower Upper

128 100

129 15.3 12.3 18.5

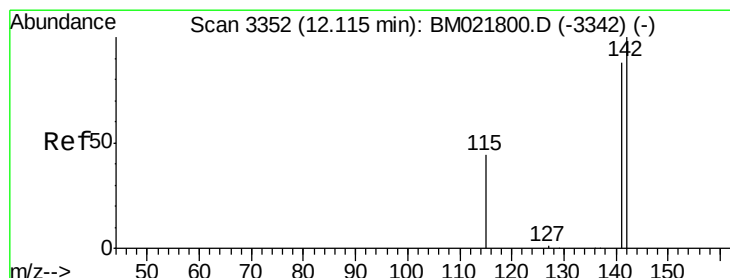
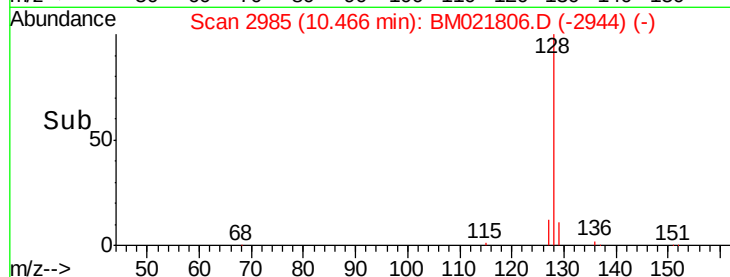
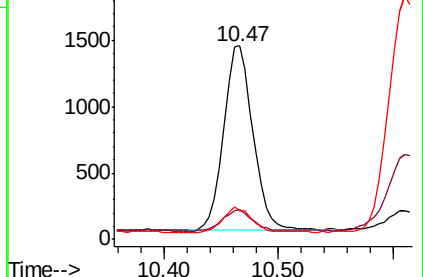
127 15.0 13.0 19.6



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: 0.223 ng/ul

RT: 12.09 min Scan# 3347

Delta R.T. -0.02 min

Lab File: BM021806.D

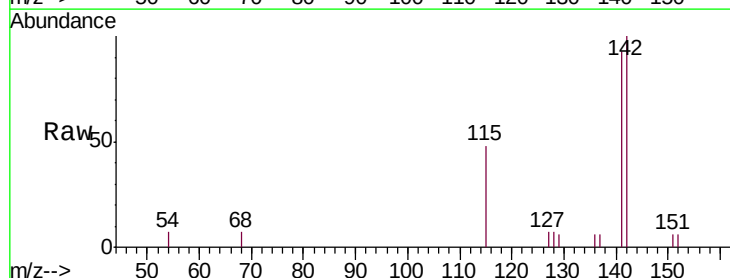
Acq: 04 Aug 2019 11:08

Tgt Ion:142 Resp: 1659

Ion Ratio Lower Upper

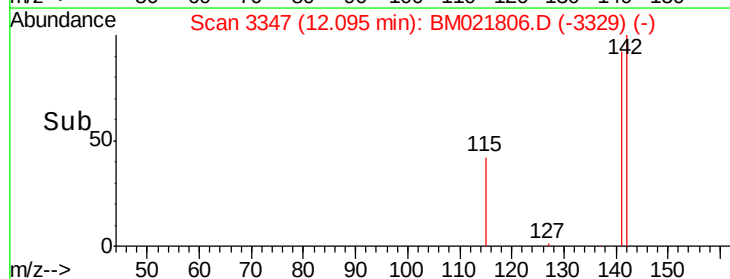
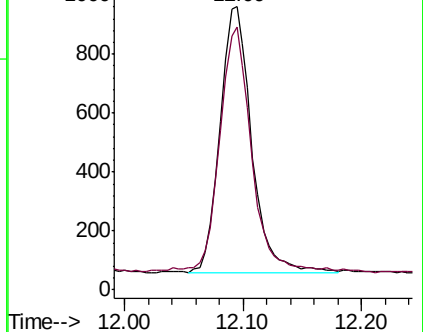
142 100

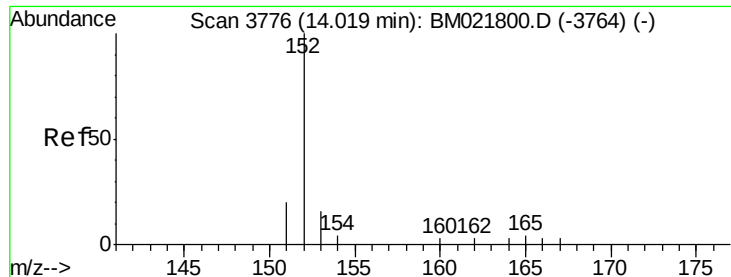
141 92.2 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.769 ng/ul

RT: 14.01 min Scan# 3772

Delta R.T. -0.01 min

Lab File: BM021806.D

Acq: 04 Aug 2019 11:08

Instrument :

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ClientSampleId :

BENR9

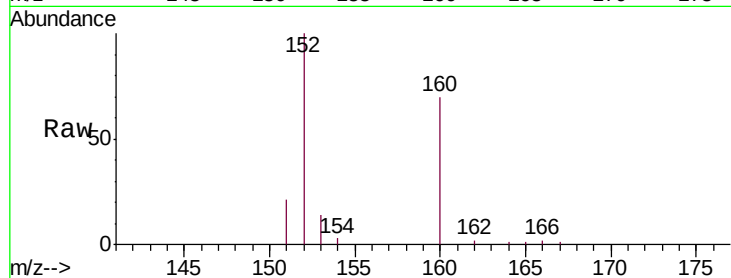
Tgt Ion:152 Resp: 8404

Ion Ratio Lower Upper

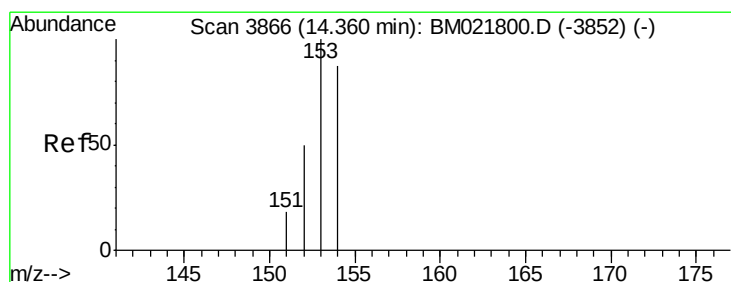
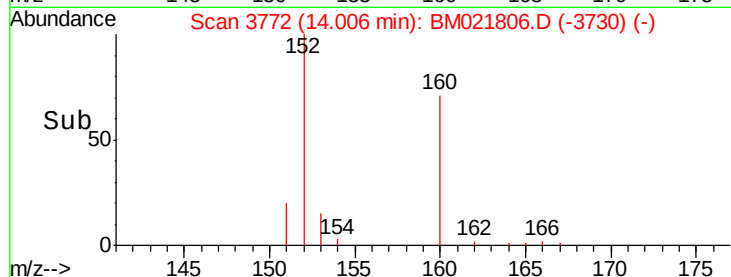
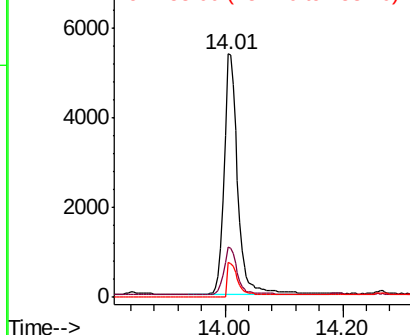
152 100

151 20.8 18.3 27.5

153 14.4 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: 0.167 ng/ul

RT: 14.35 min Scan# 3863

Delta R.T. -0.01 min

Lab File: BM021806.D

Acq: 04 Aug 2019 11:08

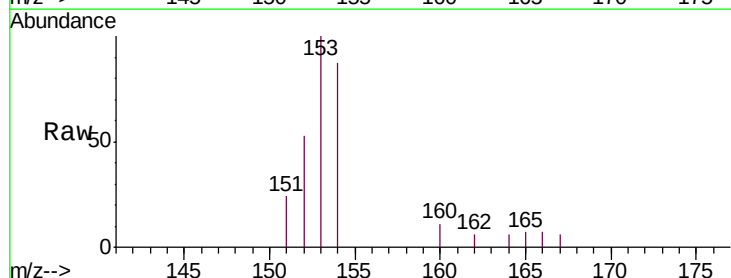
Tgt Ion:153 Resp: 1494

Ion Ratio Lower Upper

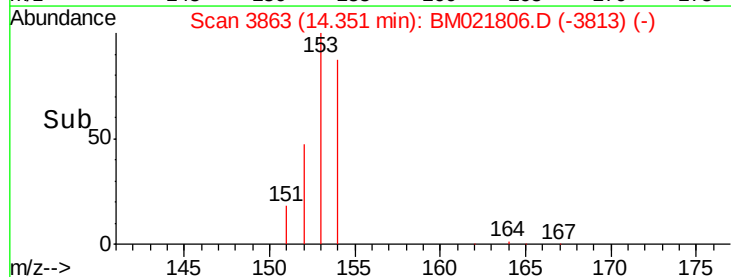
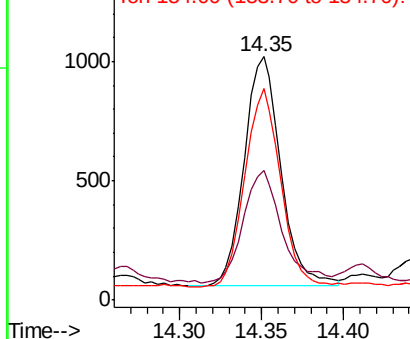
153 100

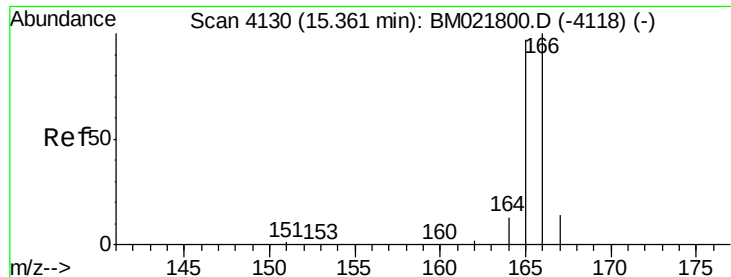
152 53.4 41.3 61.9

154 87.0 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

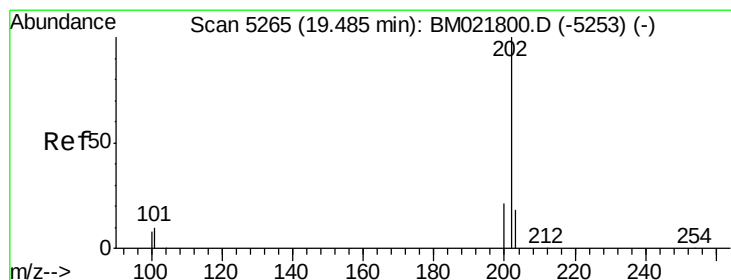
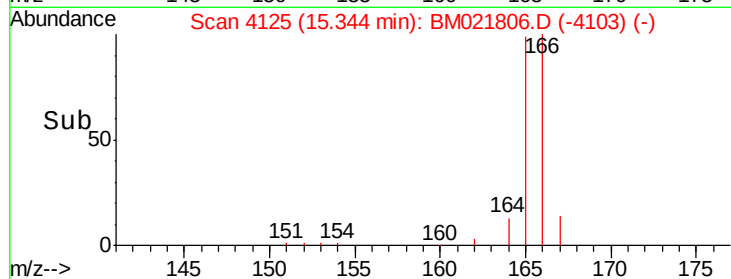
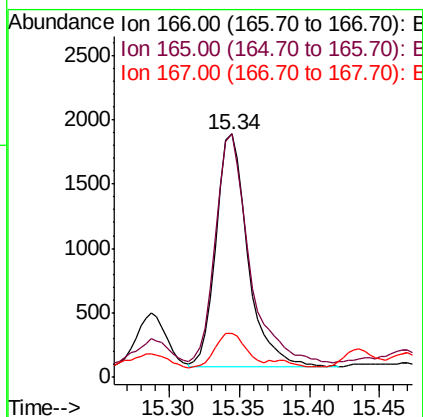
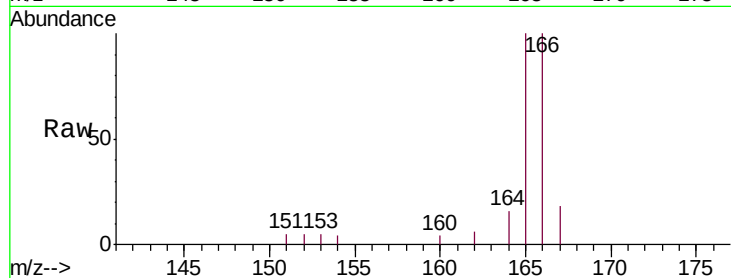




#9
Fluorene
 Concen: 0.287 ng/ul
 RT: 15.34 min Scan# 4125
 Delta R.T. -0.02 min
 Lab File: BM021806.D
 Acq: 04 Aug 2019 11:08

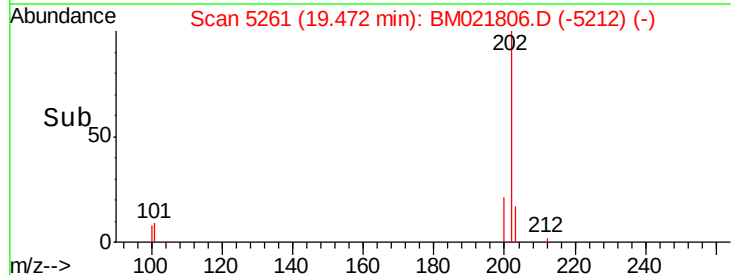
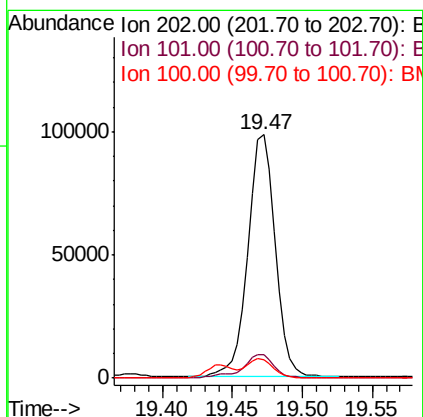
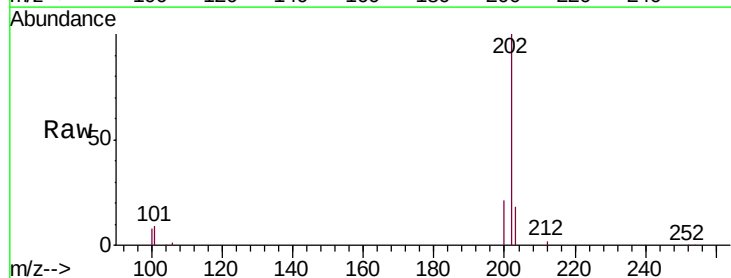
Instrument :
 BNA_M
 ClientSampleId :
 BENR9

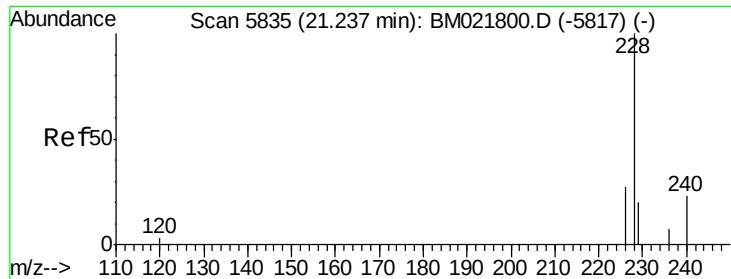
Tgt Ion:166 Resp: 2854
 Ion Ratio Lower Upper
 166 100
 165 100.1 81.4 122.0
 167 18.1 13.7 20.5



#17
Pyrene
 Concen: 590.762 ng/ul
 RT: 19.47 min Scan# 5261
 Delta R.T. -0.01 min
 Lab File: BM021806.D
 Acq: 04 Aug 2019 11:08

Tgt Ion:202 Resp: 133519
 Ion Ratio Lower Upper
 202 100
 101 9.4 8.3 12.5
 100 7.7 7.2 10.8





#18

Benzo(a)anthracene

Concen: 469.991 ng/ul

RT: 21.27 min Scan# 5850

Delta R.T. 0.04 min

Lab File: BM021806.D

Acq: 04 Aug 2019 11:08

Instrument :

BNA_M

ClientSampleId :

BENR9

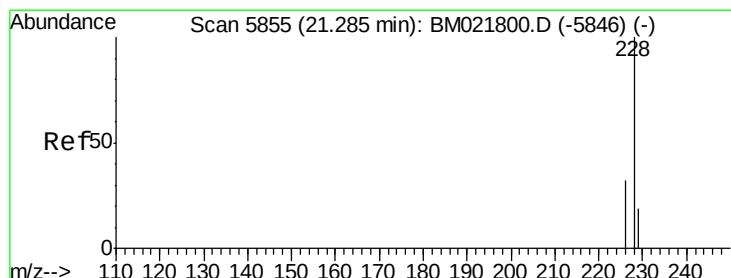
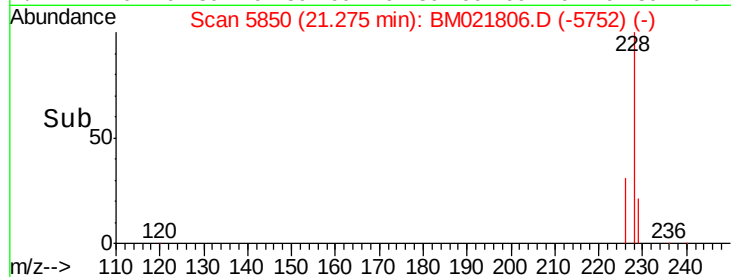
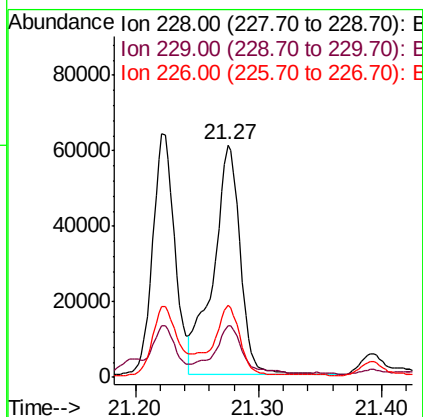
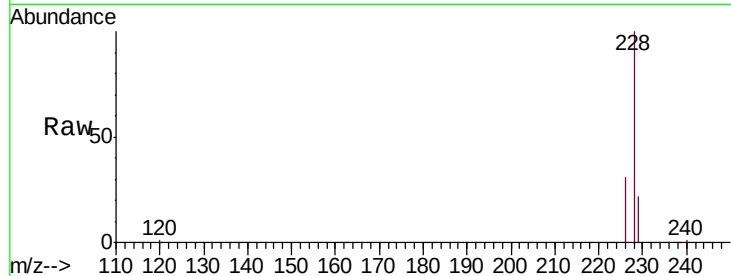
Tgt Ion:228 Resp: 92462

Ion Ratio Lower Upper

228 100

229 22.1 17.2 25.8

226 31.2 22.6 34.0



#19

Chrysene

Concen: 364.339 ng/ul

RT: 21.27 min Scan# 5850

Delta R.T. -0.01 min

Lab File: BM021806.D

Acq: 04 Aug 2019 11:08

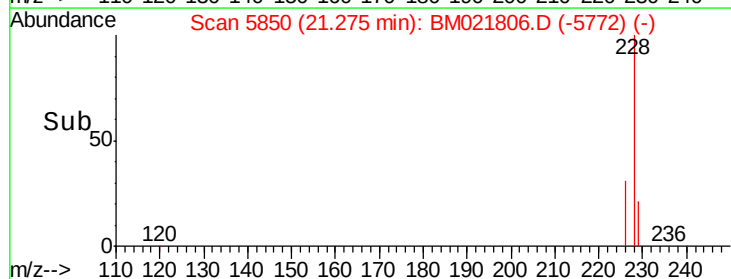
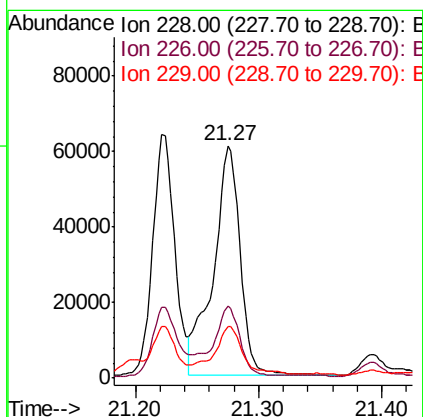
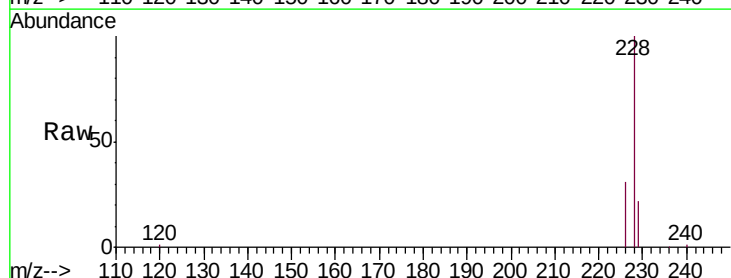
Tgt Ion:228 Resp: 92182

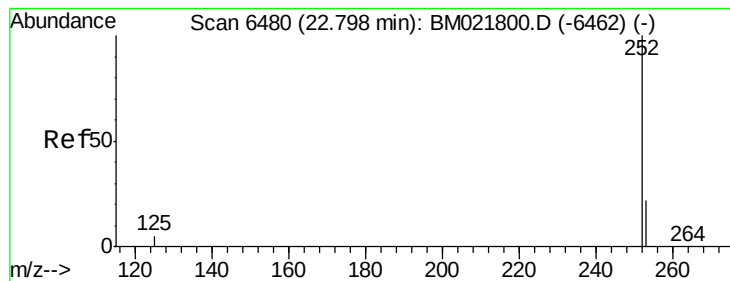
Ion Ratio Lower Upper

228 100

226 31.2 24.9 37.3

229 22.1 16.6 25.0





#21

Benzo(b)fluoranthene

Concen: 8.672 ng/ul

RT: 22.96 min Scan# 6546

Delta R.T. 0.16 min

Lab File: BM021806.D

Acq: 04 Aug 2019 11:08

Instrument :

BNA_M

ClientSampleId :

BENR9

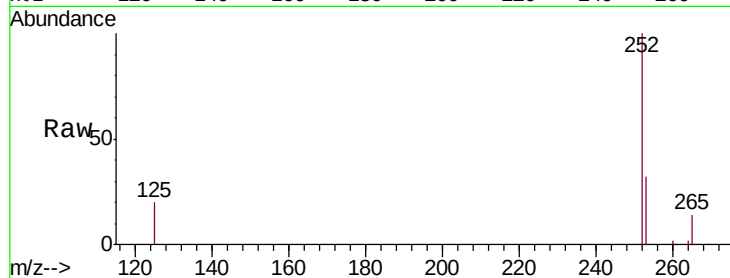
Tgt Ion:252 Resp: 21553

Ion Ratio Lower Upper

252 100

253 31.5 0.0 67.4

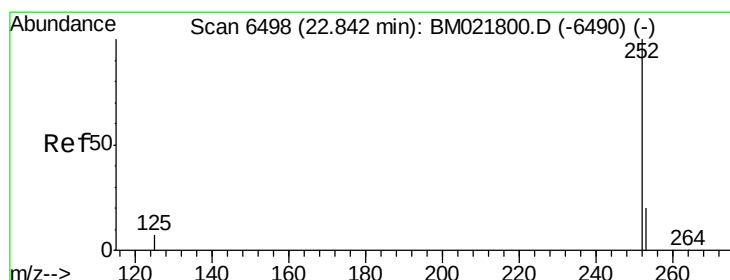
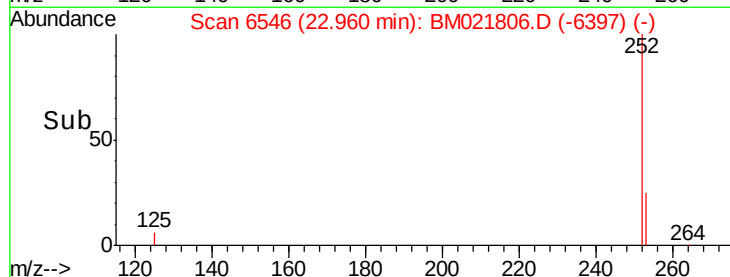
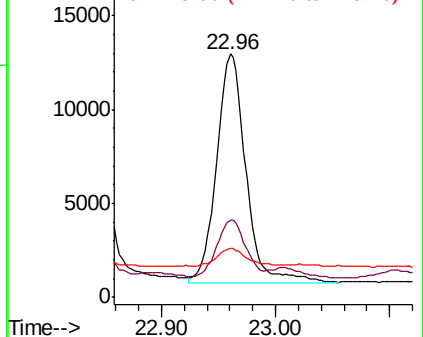
125 20.1 0.0 31.0



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: 0.679 ng/ul

RT: 23.15 min Scan# 6625

Delta R.T. 0.31 min

Lab File: BM021806.D

Acq: 04 Aug 2019 11:08

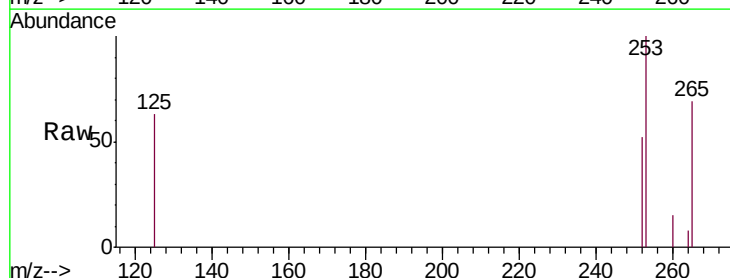
Tgt Ion:252 Resp: 1910

Ion Ratio Lower Upper

252 100

253 190.5 27.0 40.4#

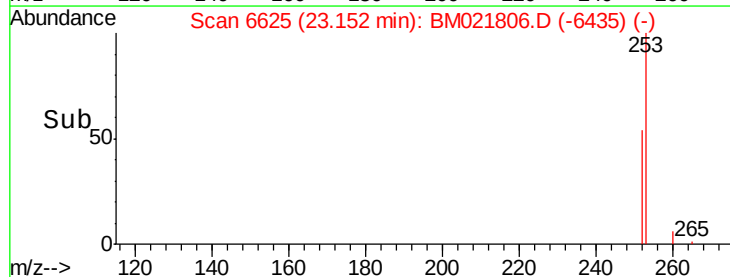
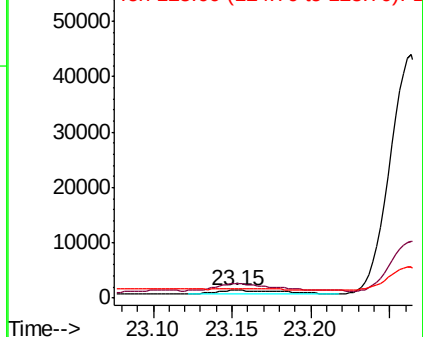
125 119.6 12.2 18.2#

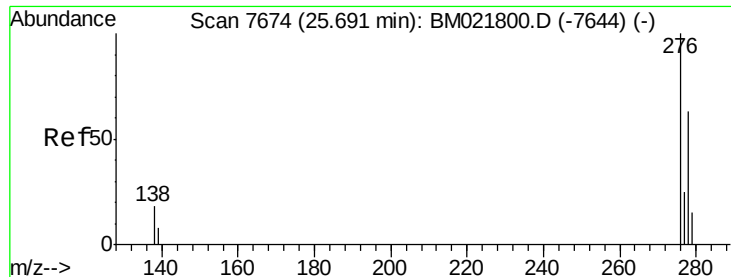


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.066 ng/ul

RT: 25.93 min Scan# 7770

Delta R.T. 0.23 min

Lab File: BM021806.D

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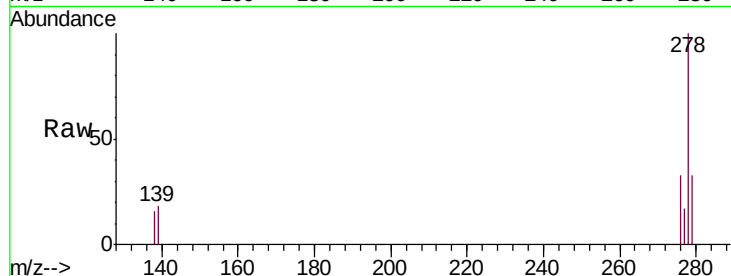
Tgt Ion:276 Resp: 3217

Ion Ratio Lower Upper

276 100

138 39.9 15.1 22.7#

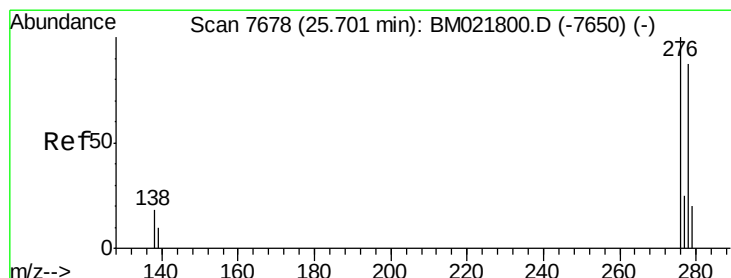
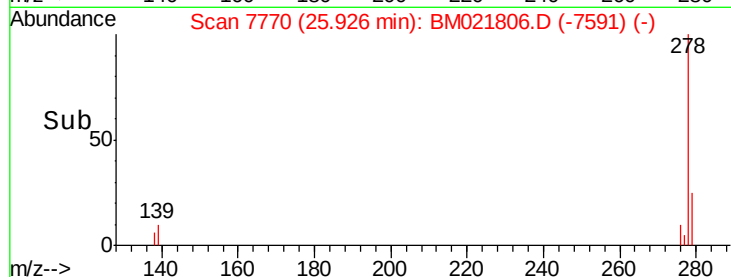
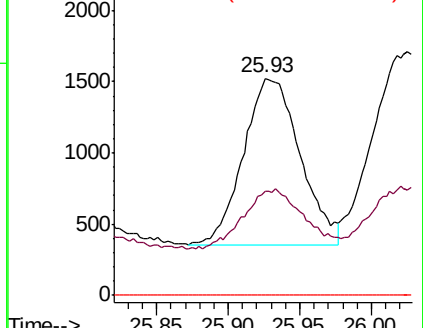
227 0.0 0.0 0.0



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: 5.149 ng/ul

RT: 25.93 min Scan# 7772

Delta R.T. 0.23 min

Lab File: BM021806.D

Acq: 04 Aug 2019 11:08

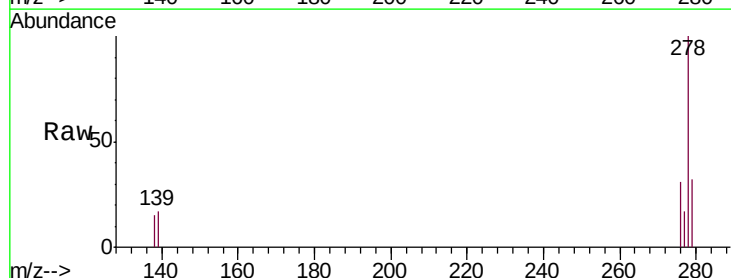
Tgt Ion:278 Resp: 12559

Ion Ratio Lower Upper

278 100

139 17.3 14.2 21.2

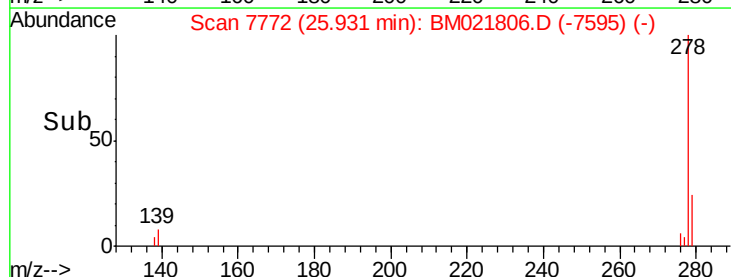
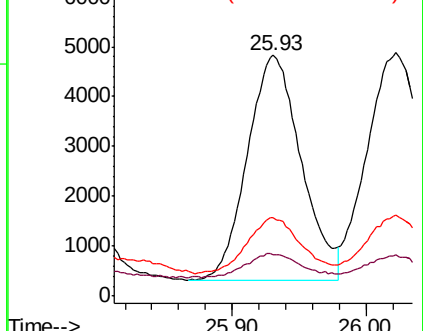
279 32.4 28.3 42.5

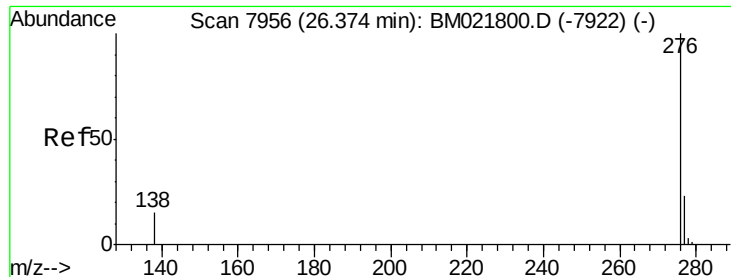


Abundance Ion 278.00 (277.70 to 278.70): E

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: 5.785 ng/ul

RT: 26.72 min Scan# 8097

Delta R.T. 0.34 min

Lab File: BM021806.D

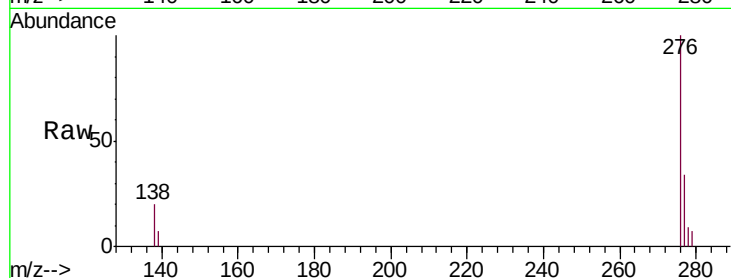
Acq: 04 Aug 2019 11:08

Instrument :

BNA_M

ClientSampleId :

BENR9



Tgt Ion: 276 Resp: 15718

Ion Ratio Lower Upper

276 100

138 19.6 15.5 23.3

277 34.4 21.4 32.2

