

Data File : BM021885.D
Acq On : 07 Aug 2019 08:03
Operator : HP/JU
Sample : K3893-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP18

Quant Time: Aug 07 08:48:34 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 : Wed Aug 07 08:28:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	942	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	3725	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	2209	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.13	188	230451	0.40	ng/ul	0.08
16) Chrysene-d12	0.00	240	0	0.00	ng/ul	-21.24
20) Perylene-d12	23.32	264	319978	0.40	ng/ul	-0.14

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1279	0.21	ng/ul	-0.03
14) Fluoranthene-d10	19.17	212	189	0.00	ng/ul	0.09

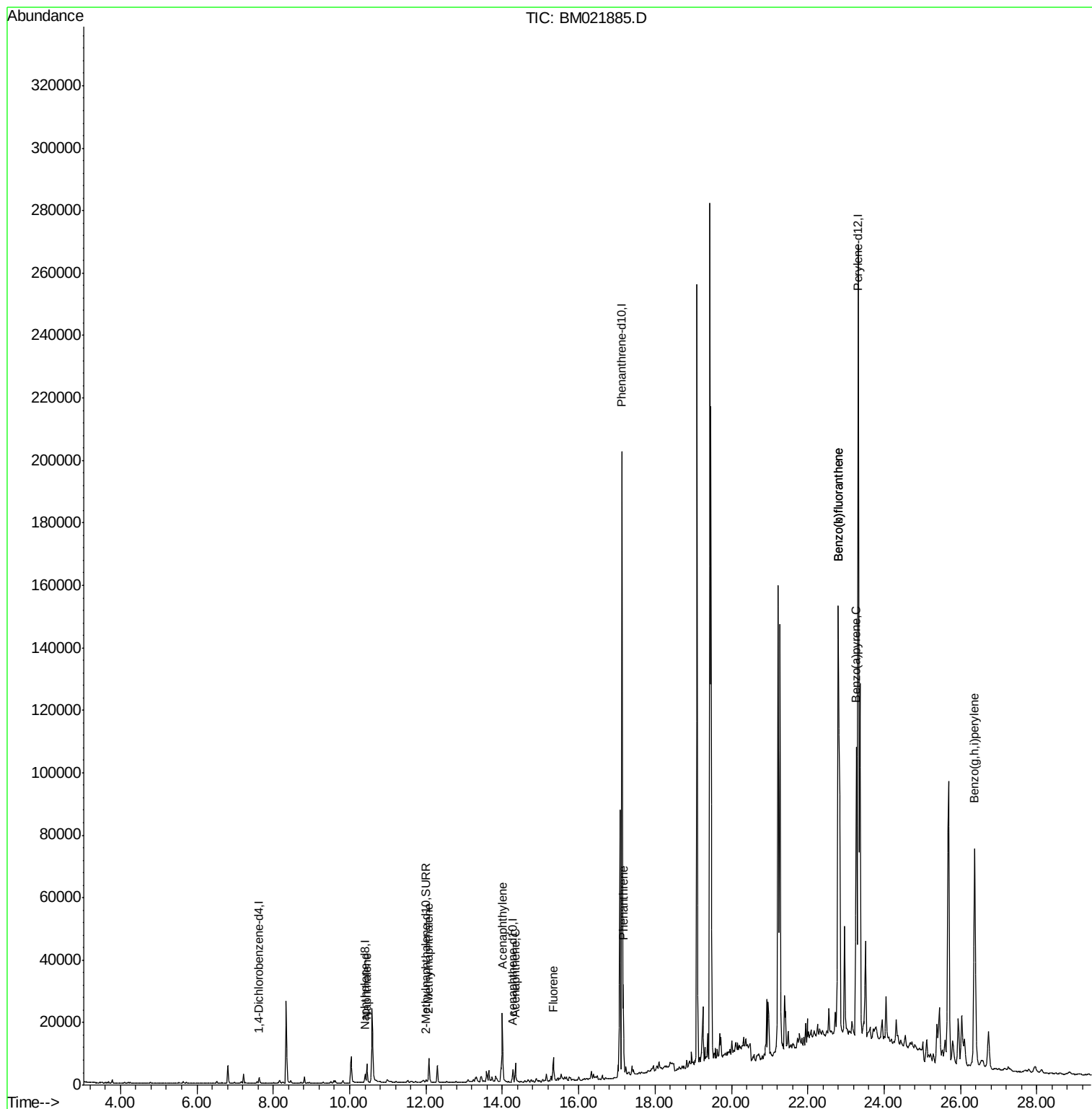
Target Compounds				Qvalue		
3) Naphthalene	10.46	128	8094	0.769	ng/ul	94
5) 2-Methylnaphthalene	12.07	142	5499	0.784	ng/ul	99
7) Acenaphthylene	14.00	152	24861	2.413	ng/ul#	81
8) Acenaphthene	14.34	153	3741	0.444	ng/ul	97
9) Fluorene	15.33	166	5498	0.587	ng/ul	99
12) Phenanthrene	17.17	178	28748	0.043	ng/ul	99
21) Benzo(b)fluoranthene	22.80	252	301554	0.279	ng/ul	87
22) Benzo(k)fluoranthene	22.80	252	288149	0.236	ng/ul#	87
23) Benzo(a)pyrene	23.27	252	124692	0.114	ng/ul#	83
26) Benzo(g,h,i)perylene	26.37	276	124649	0.106	ng/ul	95

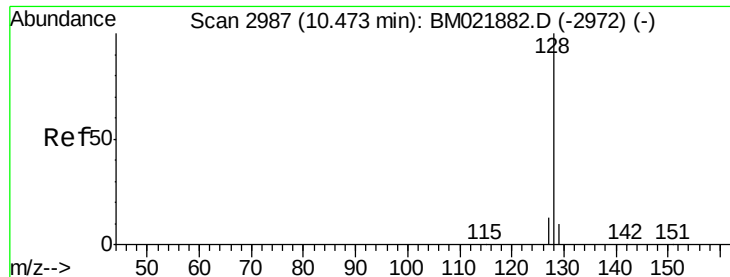
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.769 ng/ul

RT: 10.46 min Scan# 2983

Delta R.T. -0.02 min

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Instrument :

BNA_M

ClientSampleId :

BEP18

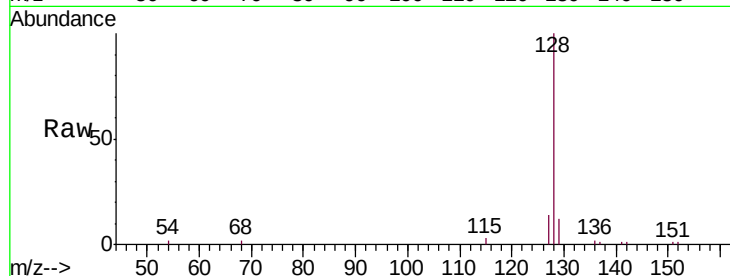
Tgt Ion:128 Resp: 8094

Ion Ratio Lower Upper

128 100

129 12.3 12.3 18.5

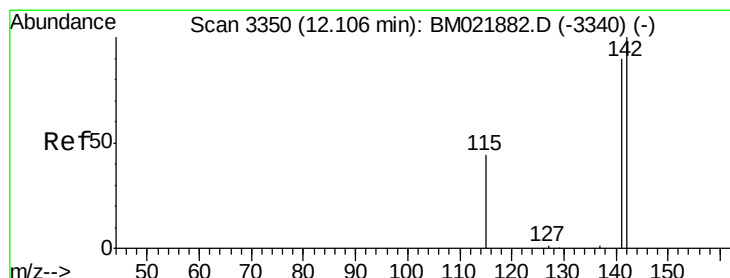
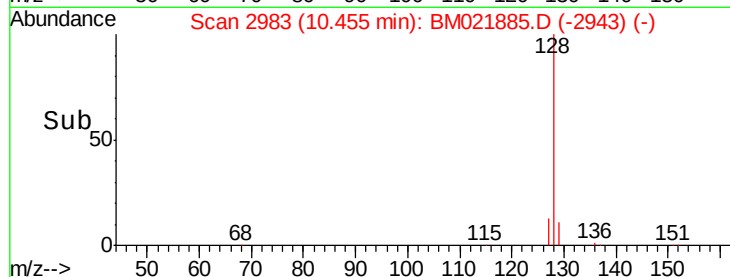
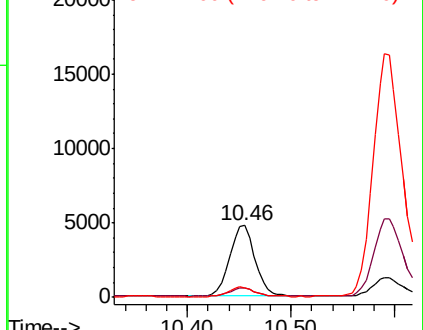
127 13.9 13.0 19.6



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: 0.784 ng/ul

RT: 12.07 min Scan# 3343

Delta R.T. -0.03 min

Lab File: BM021885.D

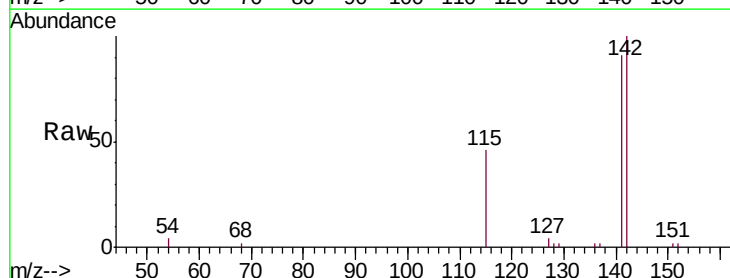
Acq: 07 Aug 2019 08:03

Tgt Ion:142 Resp: 5499

Ion Ratio Lower Upper

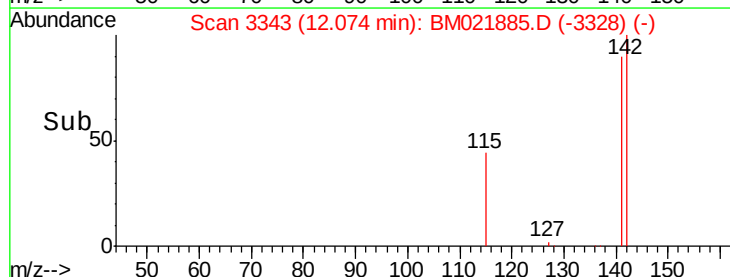
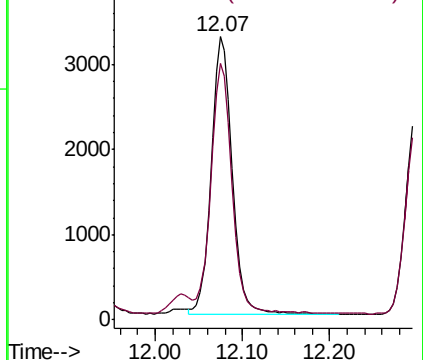
142 100

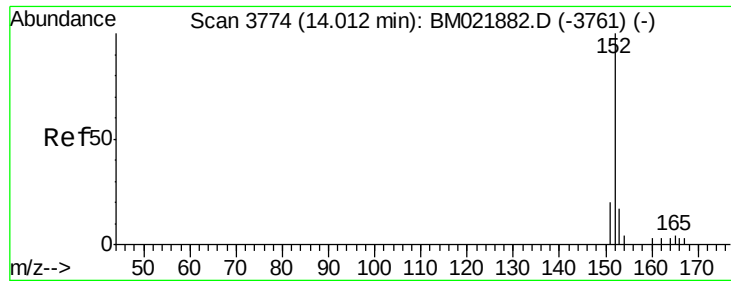
141 91.6 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 2.413 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. -0.01 min

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Acq: 07 Aug 2019 08:03

Instrument :

BNA_M

ClientSampleId :

BEP18

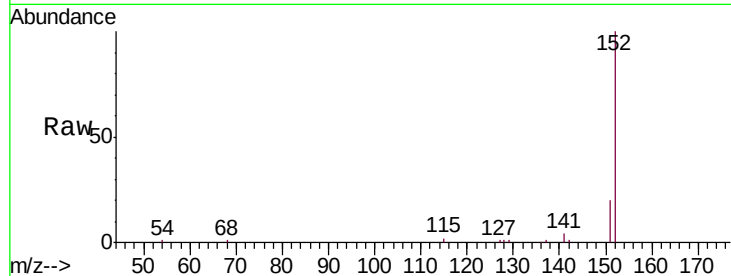
Tgt Ion:152 Resp: 24861

Ion Ratio Lower Upper

152 100

151 19.9 18.3 27.5

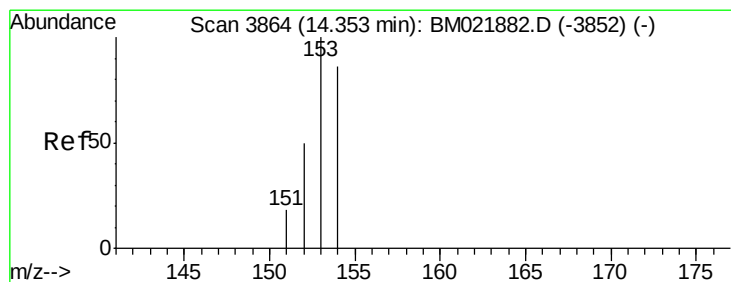
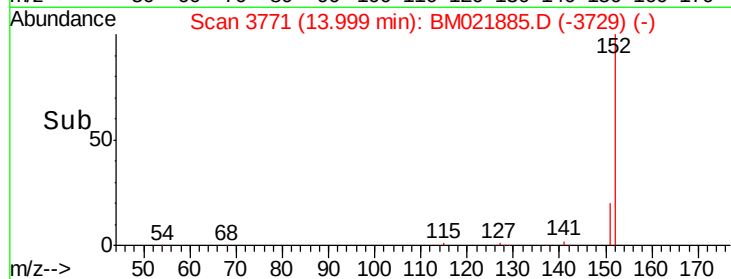
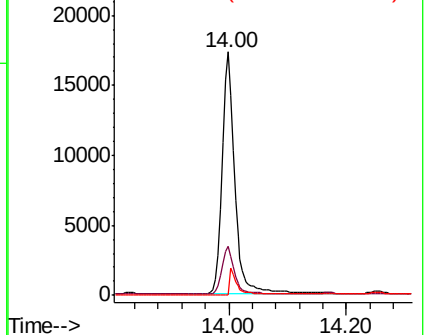
153 0.0 12.8 19.2#



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: 0.444 ng/ul

RT: 14.34 min Scan# 3861

Delta R.T. -0.01 min

Lab File: BM021885.D

Acq: 07 Aug 2019 08:03

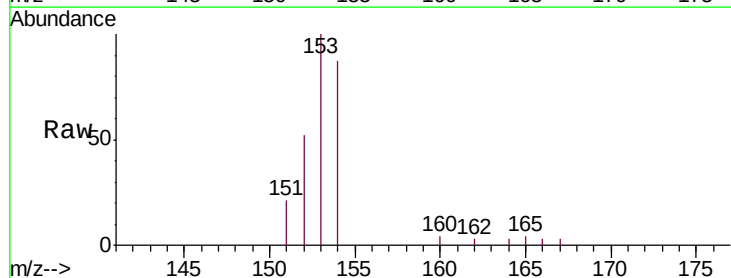
Tgt Ion:153 Resp: 3741

Ion Ratio Lower Upper

153 100

152 51.5 41.3 61.9

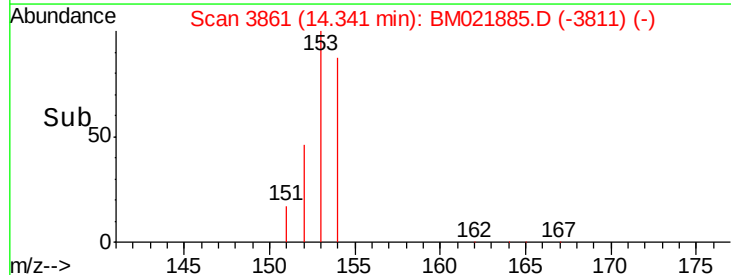
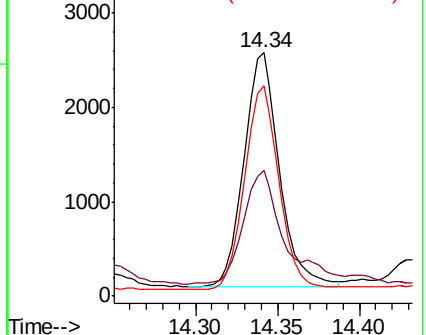
154 86.6 72.3 108.5

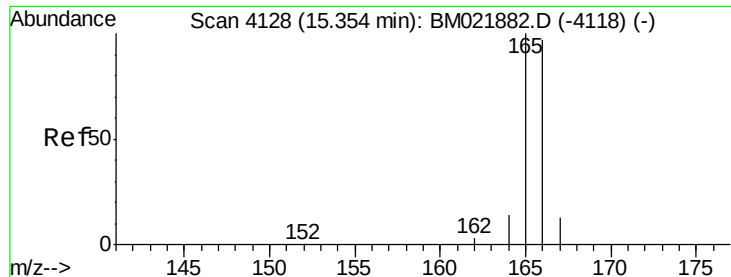


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.587 ng/ul

RT: 15.33 min Scan# 4123

Delta R.T. -0.02 min

Lab File: BM021885.D

Acq: 07 Aug 2019 08:03

Instrument :

BNA_M

ClientSampleId :

BEP18

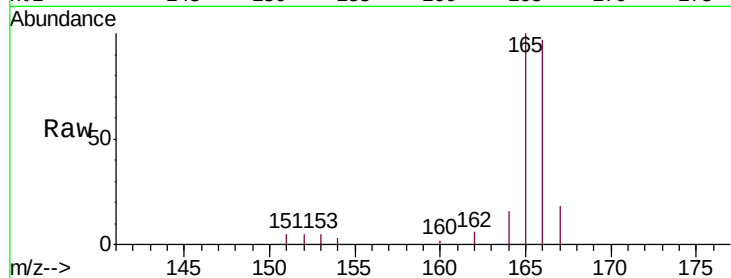
Tgt Ion:166 Resp: 5498

Ion Ratio Lower Upper

166 100

165 102.9 81.4 122.0

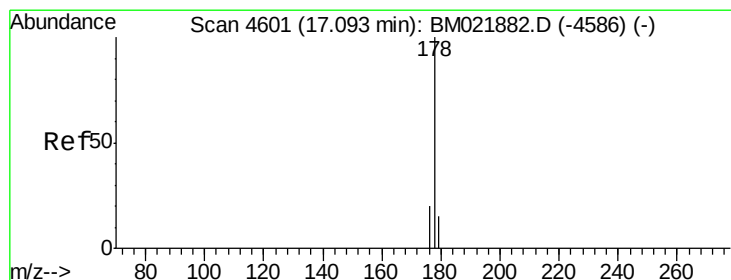
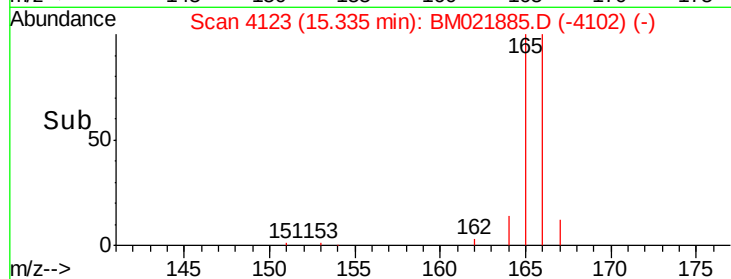
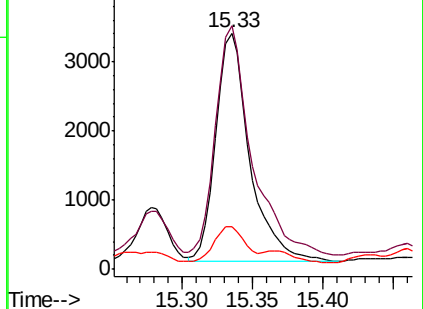
167 18.1 13.7 20.5



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: 0.043 ng/ul

RT: 17.17 min Scan# 4622

Delta R.T. 0.07 min

Lab File: BM021885.D

Acq: 07 Aug 2019 08:03

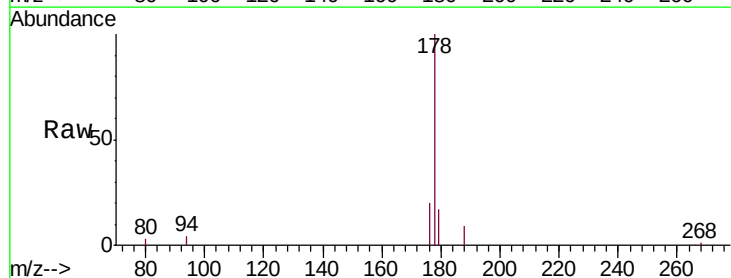
Tgt Ion:178 Resp: 28748

Ion Ratio Lower Upper

178 100

179 17.0 14.2 21.2

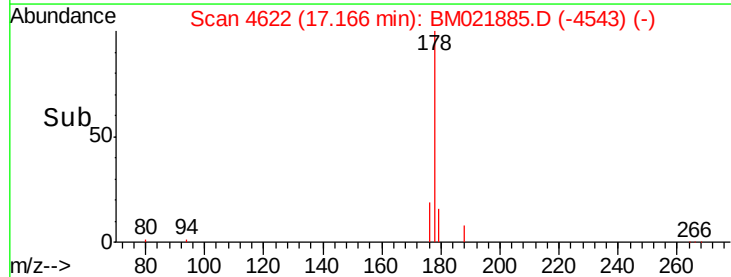
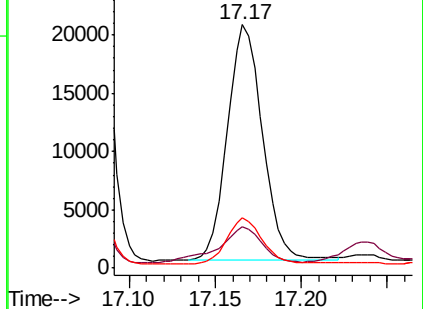
176 20.4 16.8 25.2

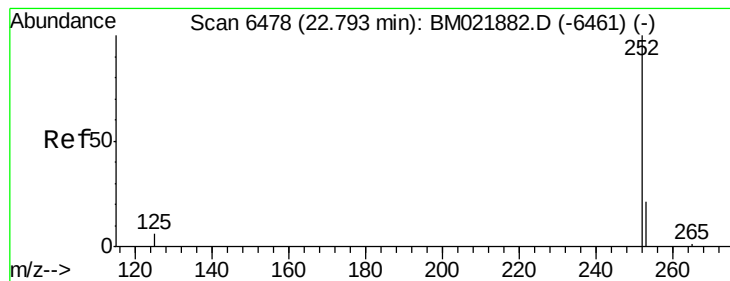


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#21

Benzo(b)fluoranthene

Concen: 0.279 ng/ul

RT: 22.80 min Scan# 6479

Delta R.T. 0.00 min

Lab File: BM021885.D

Acq: 07 Aug 2019 08:03

Instrument :

BNA_M

ClientSampleId :

BEP18

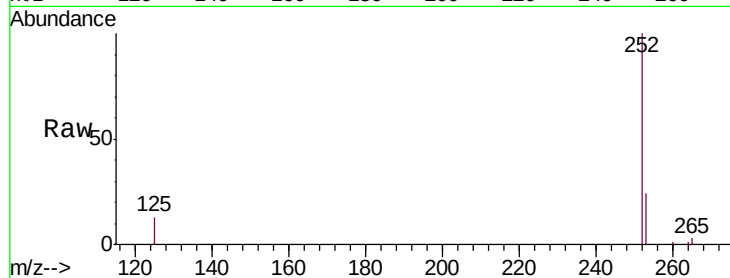
Tgt Ion:252 Resp: 301554

Ion Ratio Lower Upper

252 100

253 24.1 0.0 67.4

125 13.4 0.0 31.0

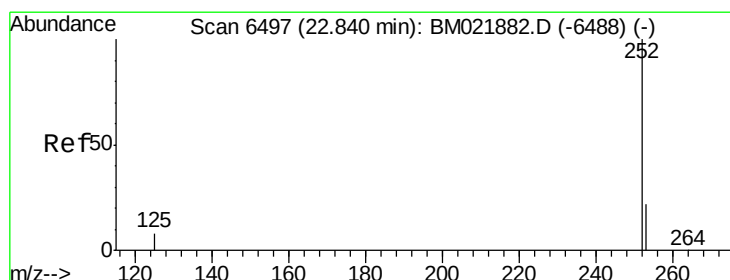
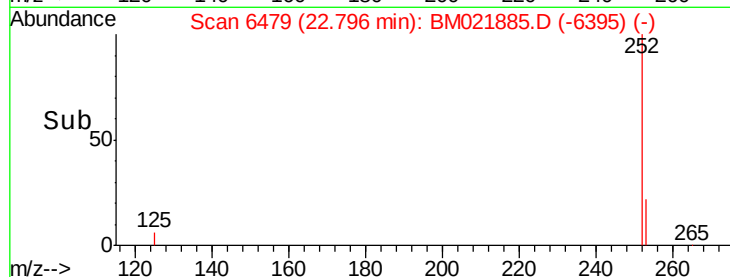
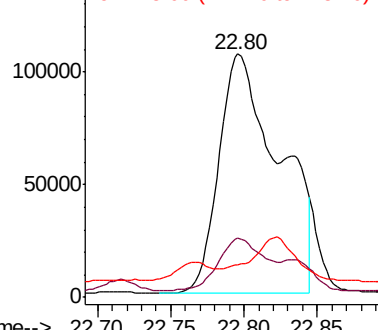


Abundance

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: 0.236 ng/ul

RT: 22.80 min Scan# 6479

Delta R.T. -0.04 min

Lab File: BM021885.D

Acq: 07 Aug 2019 08:03

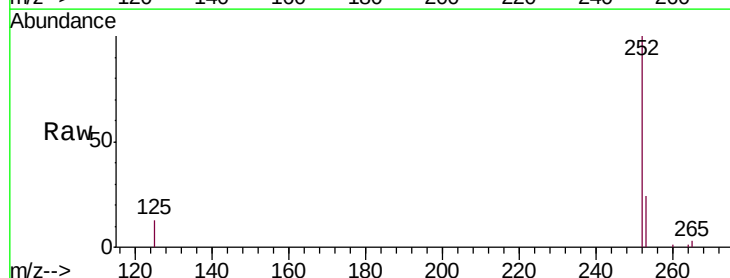
Tgt Ion:252 Resp: 288149

Ion Ratio Lower Upper

252 100

253 24.1 27.0 40.4#

125 13.4 12.2 18.2

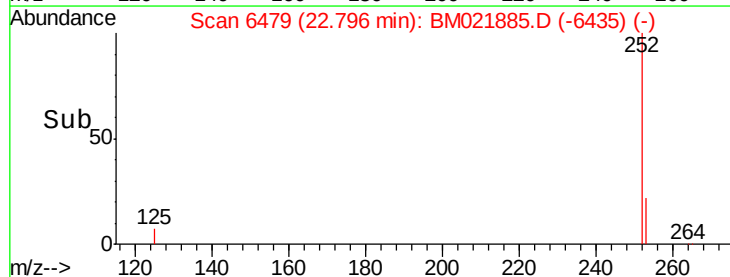
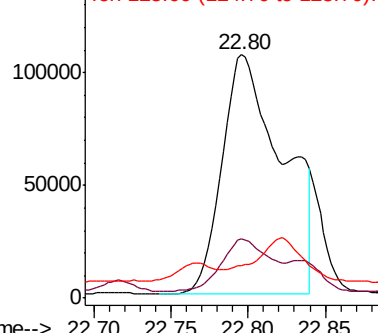


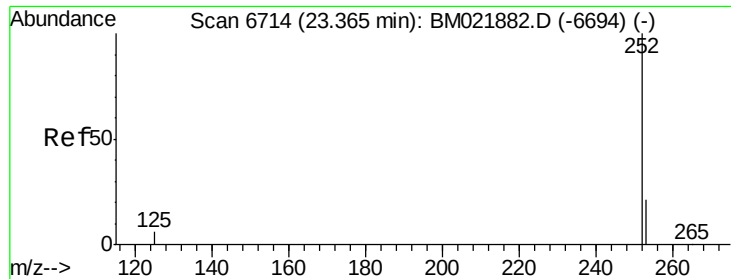
Abundance

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: 0.114 ng/ul

RT: 23.27 min Scan# 6674

Delta R.T. -0.10 min

Lab File: BM021885.D

Acq: 07 Aug 2019 08:03

Instrument :

BNA_M

ClientSampleId :

BEP18

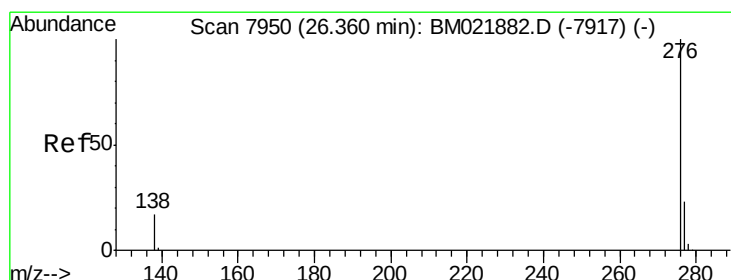
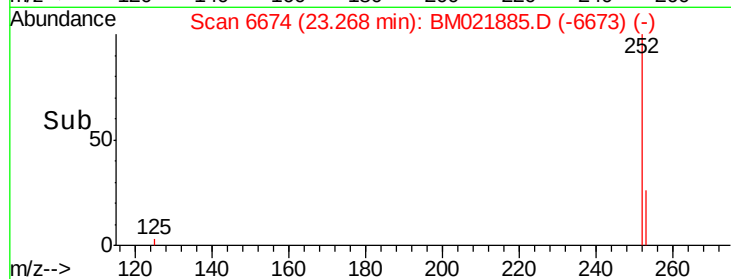
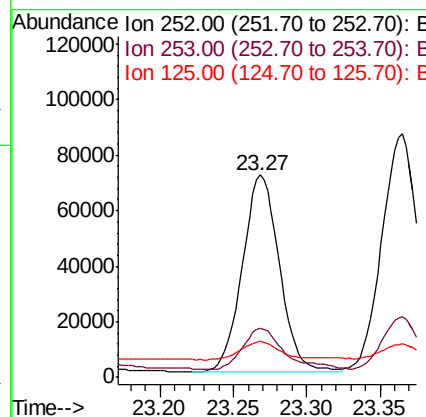
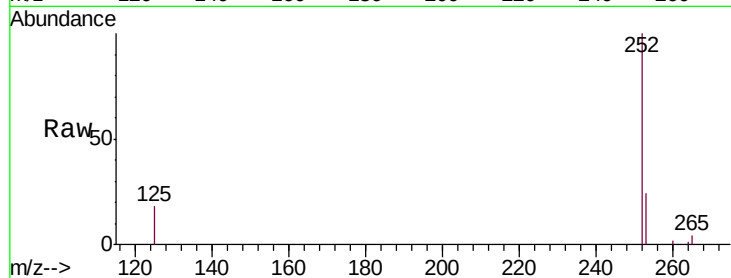
Tgt Ion:252 Resp: 124692

Ion Ratio Lower Upper

252 100

253 24.4 31.7 47.5#

125 17.6 14.6 21.8



#26

Benzo(g,h,i)perylene

Concen: 0.106 ng/ul

RT: 26.37 min Scan# 7954

Delta R.T. 0.01 min

Lab File: BM021885.D

Acq: 07 Aug 2019 08:03

Tgt Ion:276 Resp: 124649

Ion Ratio Lower Upper

276 100

138 15.8 15.5 23.3

277 25.0 21.4 32.2

