

Data File : BM021816.D
Acq On : 04 Aug 2019 17:13
Operator : HP/JU
Sample : K3850-12DL 5X
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENR9DL

Quant Time: Aug 05 07:00:04 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 : 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	828	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	3385	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	1967	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	4741	0.40	ng/ul	-0.01
16) Chrysene-d12	21.24	240	5127	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	7370	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.04	152	202	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	693	0.04	ng/ul	0.00

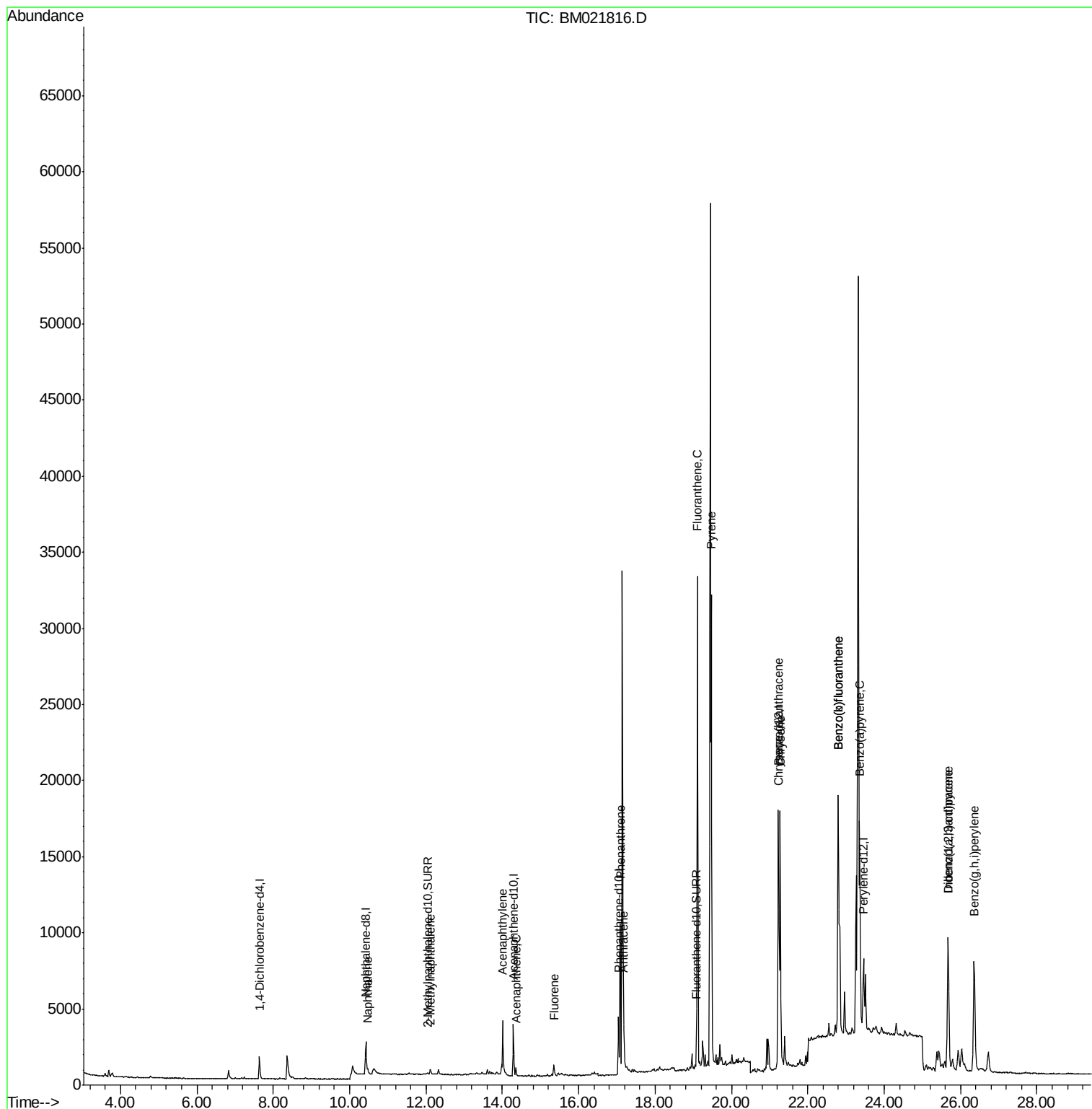
Target Compounds				Qvalue		
3) Naphthalene	10.47	128	500	0.052	ng/ul#	71
5) 2-Methylnaphthalene	12.12	142	337	0.053	ng/ul	96
7) Acenaphthylene	14.01	152	1674	0.182	ng/ul	95
8) Acenaphthene	14.35	153	346	0.046	ng/ul#	93
9) Fluorene	15.35	166	576	0.069	ng/ul#	92
12) Phenanthrene	17.09	178	11024	0.799	ng/ul	98
13) Anthracene	17.18	178	2489	0.212	ng/ul	94
15) Fluoranthene	19.11	202	29483	1.595	ng/ul	96
17) Pyrene	19.47	202	26831	1.274	ng/ul	100
18) Benzo(a)anthracene	21.23	228	14313	0.780	ng/ul	98
19) Chrysene	21.28	228	18104	0.768	ng/ul	97
21) Benzo(b)fluoranthene	22.79	252	36939	1.486	ng/ul	88
22) Benzo(k)fluoranthene	22.79	252	36939	1.313	ng/ul#	88
23) Benzo(a)pyrene	23.36	252	17544	0.694	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.67	276	14598	0.484	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.68	278	3355	0.138	ng/ul#	84
26) Benzo(g,h,i)perylene	26.36	276	15845	0.583	ng/ul	97

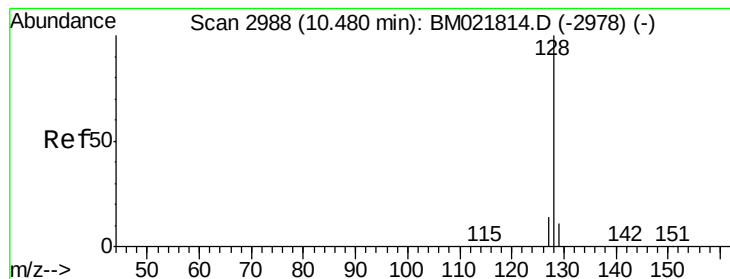
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.052 ng/ul

RT: 10.47 min Scan# 2987

Delta R.T. -0.01 min

Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

Instrument :

BNA_M

ClientSampleId :

BENR9DL

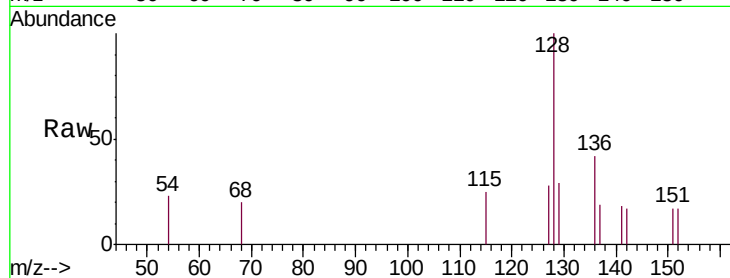
Tgt Ion:128 Resp: 500

Ion Ratio Lower Upper

128 100

129 29.0 12.3 18.5#

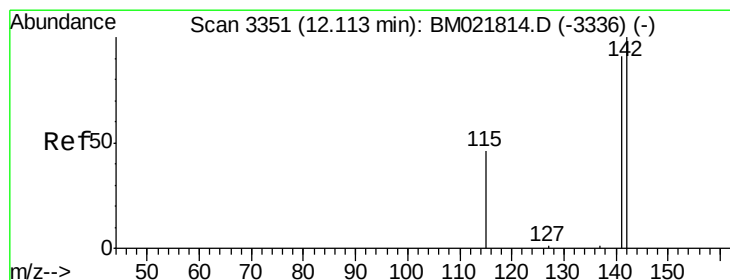
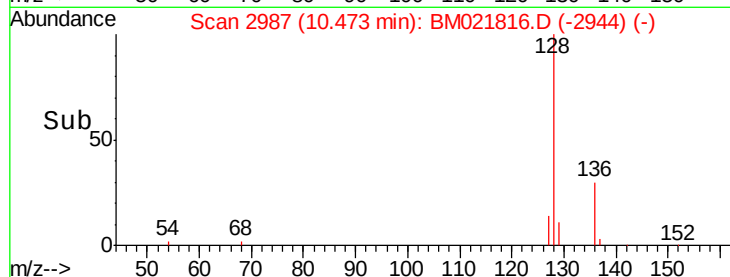
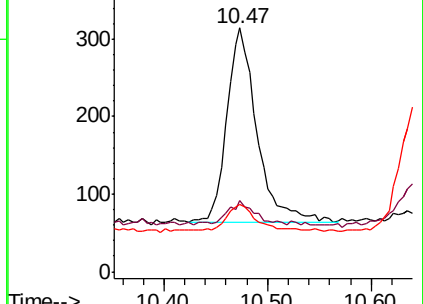
127 27.7 13.0 19.6#



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: 0.053 ng/ul

RT: 12.12 min Scan# 3352

Delta R.T. 0.00 min

Lab File: BM021816.D

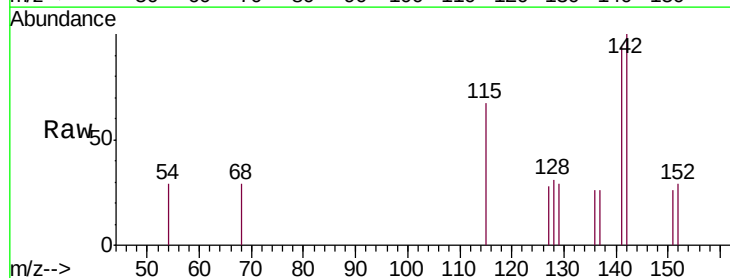
Acq: 04 Aug 2019 17:13

Tgt Ion:142 Resp: 337

Ion Ratio Lower Upper

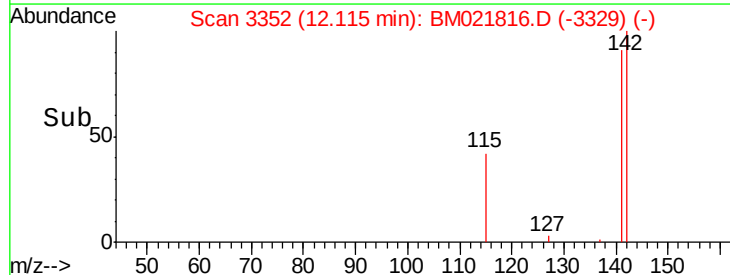
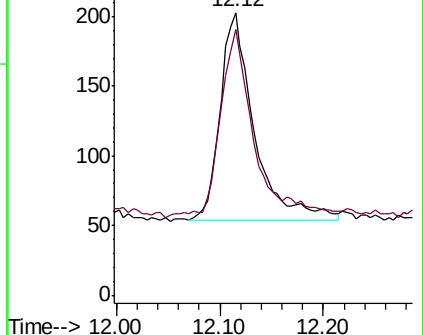
142 100

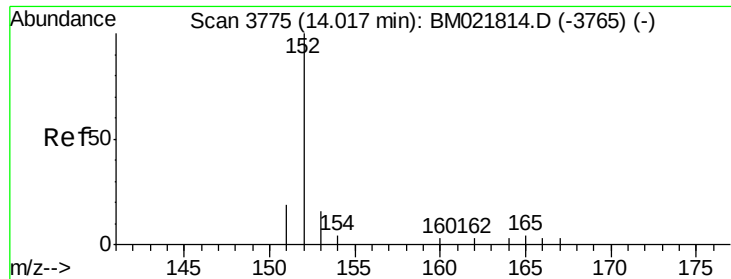
141 89.3 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.182 ng/ul

RT: 14.01 min Scan# 3774

Delta R.T. -0.01 min

Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

Instrument :

BNA_M

ClientSampleId :

BENR9DL

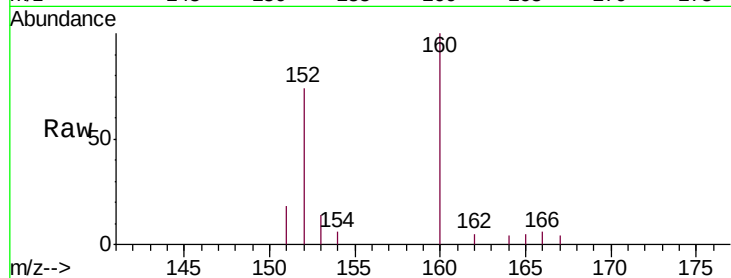
Tgt Ion:152 Resp: 1674

Ion Ratio Lower Upper

152 100

151 24.6 18.3 27.5

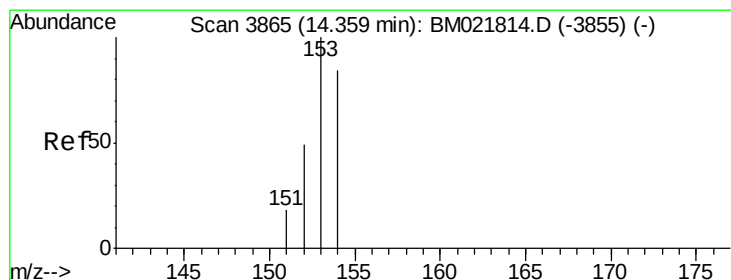
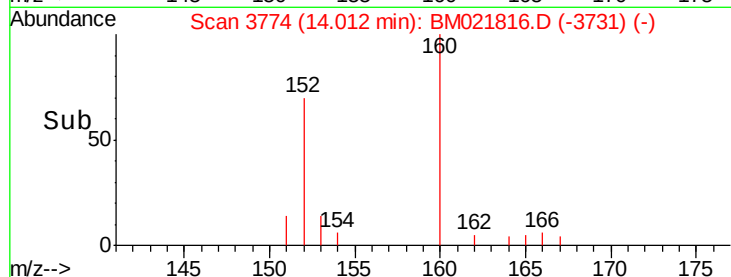
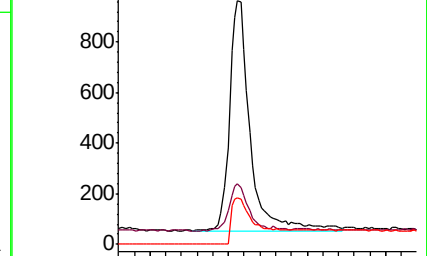
153 19.0 12.8 19.2



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: 0.046 ng/ul

RT: 14.35 min Scan# 3864

Delta R.T. -0.01 min

Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

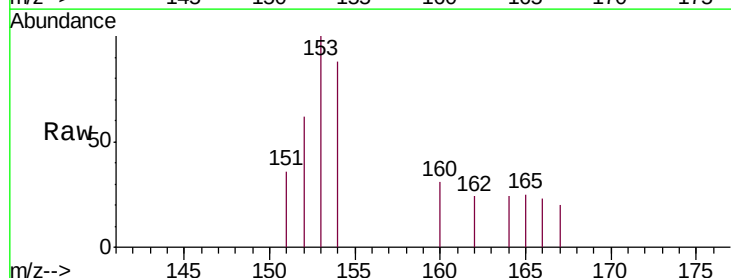
Tgt Ion:153 Resp: 346

Ion Ratio Lower Upper

153 100

152 62.4 41.3 61.9#

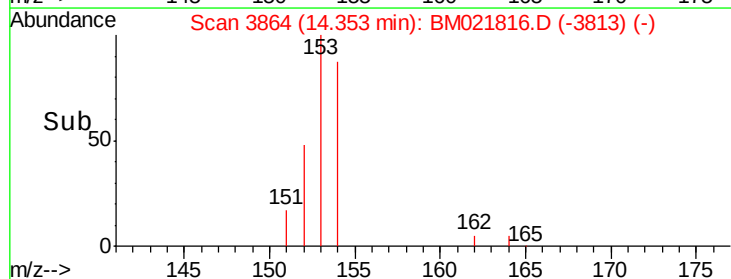
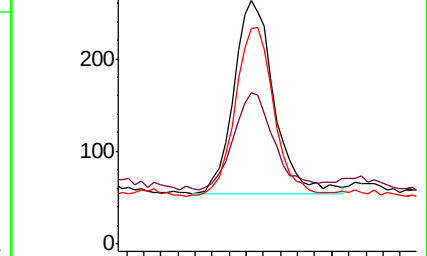
154 88.2 72.3 108.5

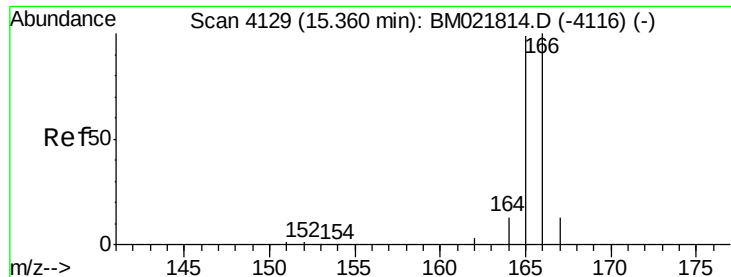


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.069 ng/ul

RT: 15.35 min Scan# 4127

Delta R.T. -0.01 min

Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

Instrument :

BNA_M

ClientSampleId :

BENR9DL

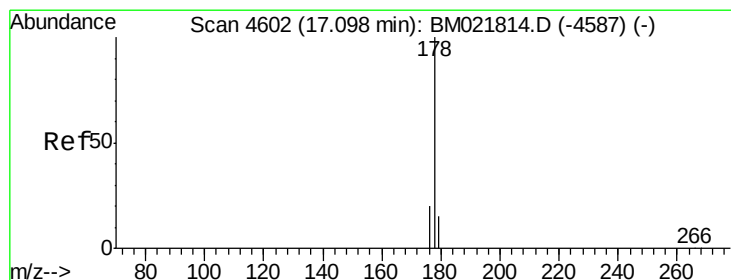
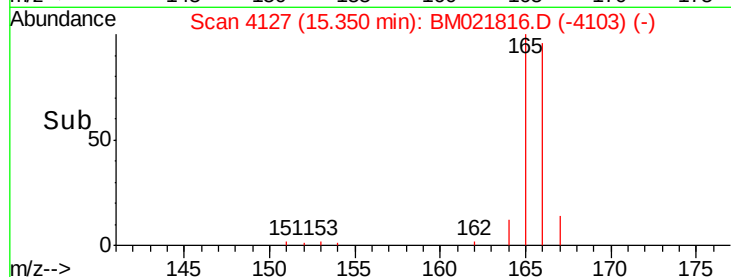
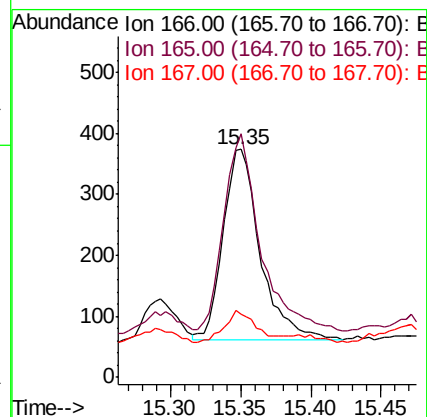
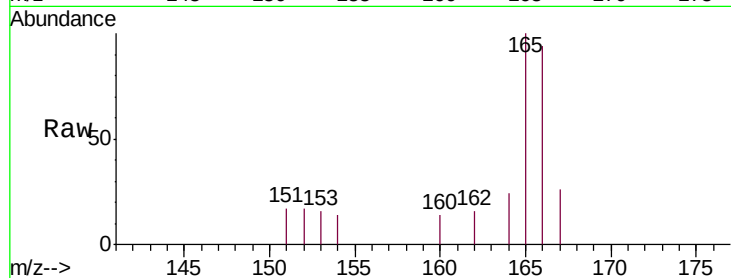
Tgt Ion:166 Resp: 576

Ion Ratio Lower Upper

166 100

165 106.7 81.4 122.0

167 27.8 13.7 20.5#



#12

Phenanthrene

Concen: 0.799 ng/ul

RT: 17.09 min Scan# 4599

Delta R.T. -0.01 min

Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

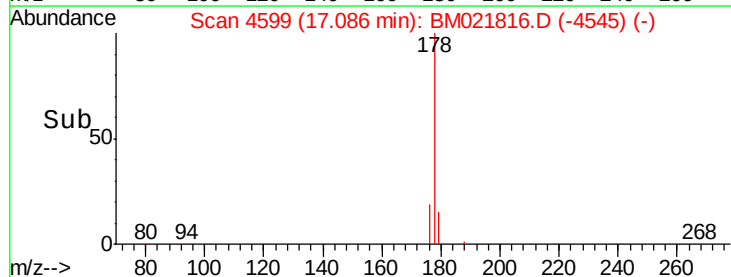
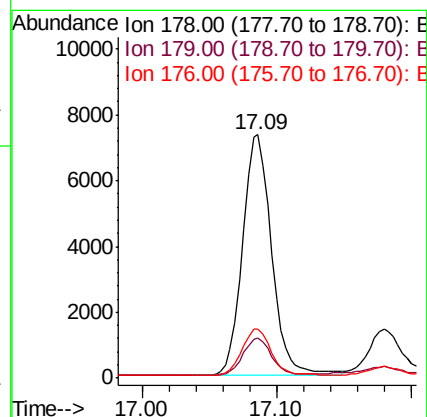
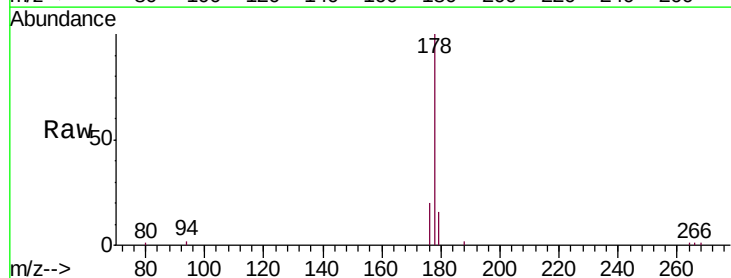
Tgt Ion:178 Resp: 11024

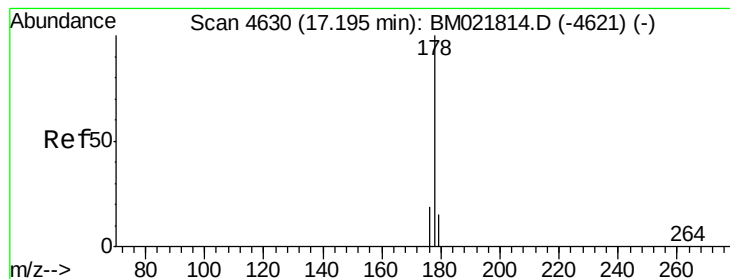
Ion Ratio Lower Upper

178 100

179 16.3 14.2 21.2

176 20.3 16.8 25.2





#13

Anthracene

Concen: 0.212 ng/ul

RT: 17.18 min Scan# 4626

Delta R.T. -0.02 min

Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

Instrument :

BNA_M

ClientSampleId :

BENR9DL

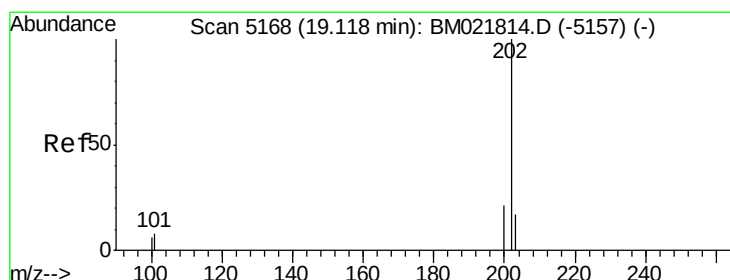
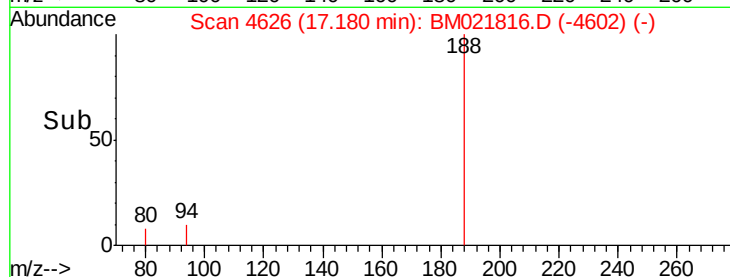
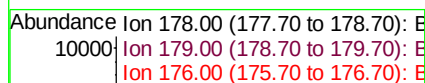
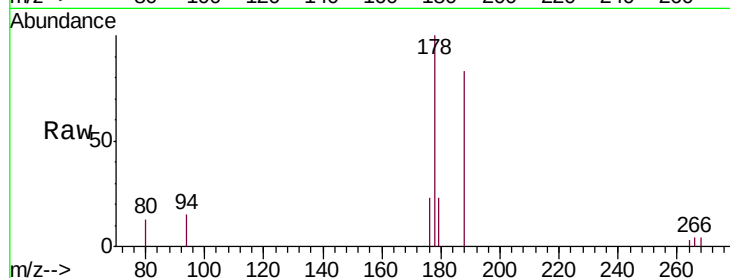
Tgt Ion:178 Resp: 2489

Ion Ratio Lower Upper

178 100

179 23.0 15.5 23.3

176 23.1 16.6 25.0



#15

Fluoranthene

Concen: 1.595 ng/ul

RT: 19.11 min Scan# 5166

Delta R.T. -0.01 min

Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

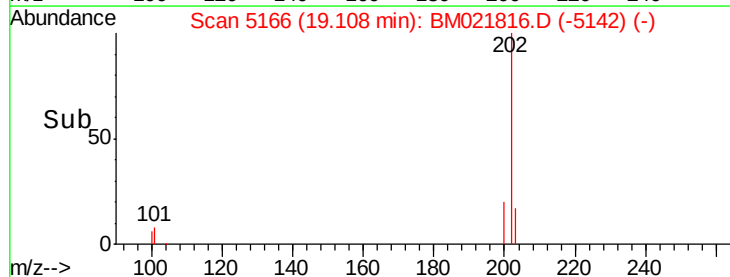
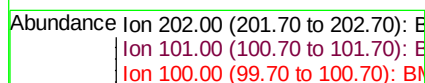
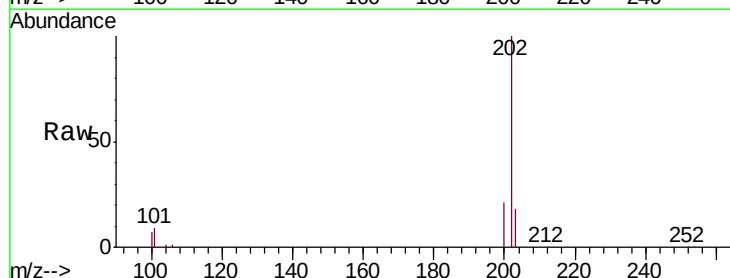
Tgt Ion:202 Resp: 29483

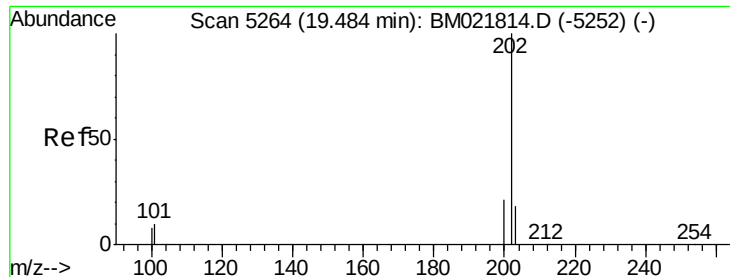
Ion Ratio Lower Upper

202 100

101 8.6 0.0 30.2

100 6.7 0.0 28.1

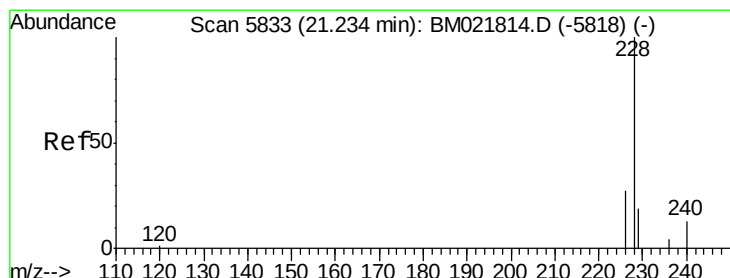
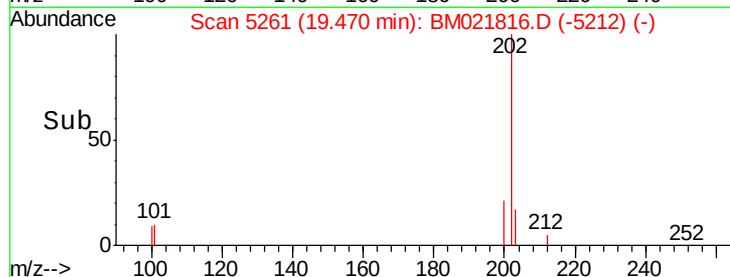
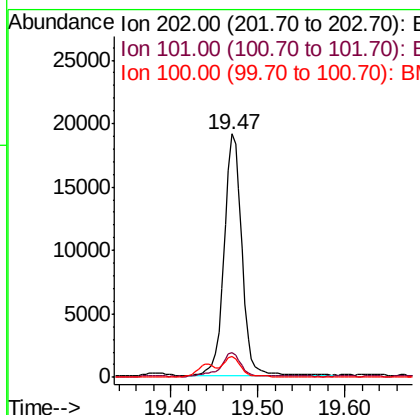
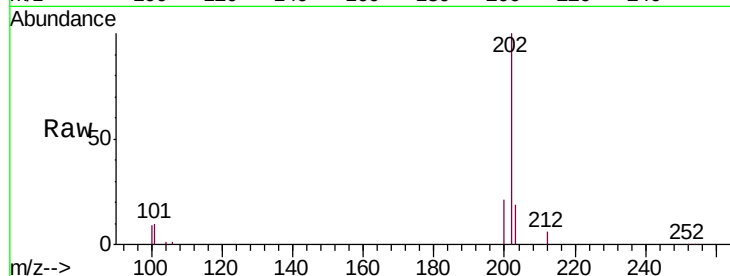




#17
 Pyrene
 Concen: 1.274 ng/ul
 RT: 19.47 min Scan# 5261
 Delta R.T. -0.01 min
 Lab File: BM021816.D
 Acq: 04 Aug 2019 17:13

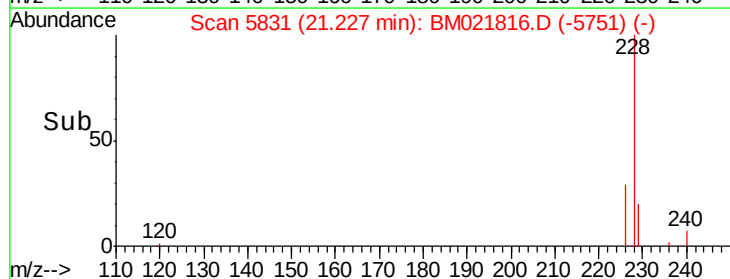
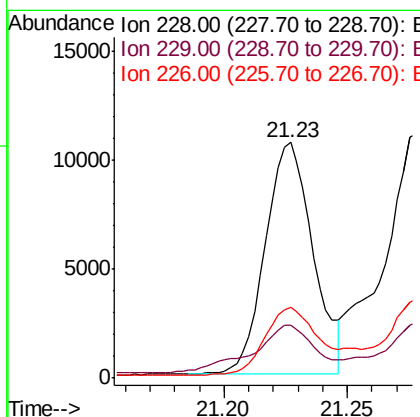
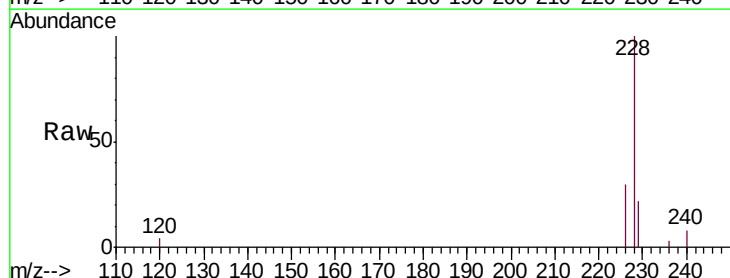
Instrument :
 BNA_M
 ClientSampleId :
 BENR9DL

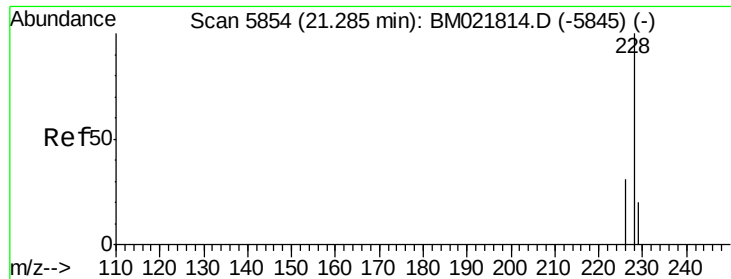
Tgt Ion:202 Resp: 26831
 Ion Ratio Lower Upper
 202 100
 101 10.3 8.3 12.5
 100 8.8 7.2 10.8



#18
 Benzo(a)anthracene
 Concen: 0.780 ng/ul
 RT: 21.23 min Scan# 5831
 Delta R.T. -0.01 min
 Lab File: BM021816.D
 Acq: 04 Aug 2019 17:13

Tgt Ion:228 Resp: 14313
 Ion Ratio Lower Upper
 228 100
 229 22.2 17.2 25.8
 226 29.9 22.6 34.0





#19

Chrysene

Concen: 0.768 ng/ul

RT: 21.28 min Scan# 5852

Delta R.T. -0.01 min

Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

Instrument :

BNA_M

ClientSampleId :

BENR9DL

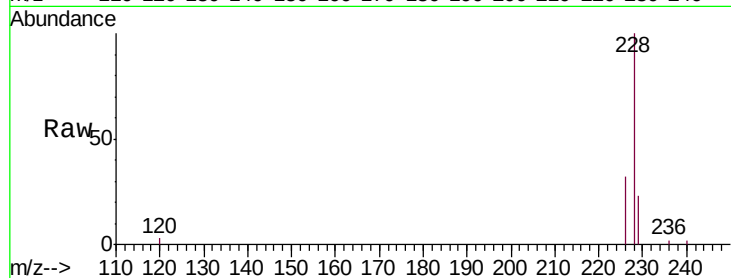
Tgt Ion:228 Resp: 18104

Ion Ratio Lower Upper

228 100

226 32.0 24.9 37.3

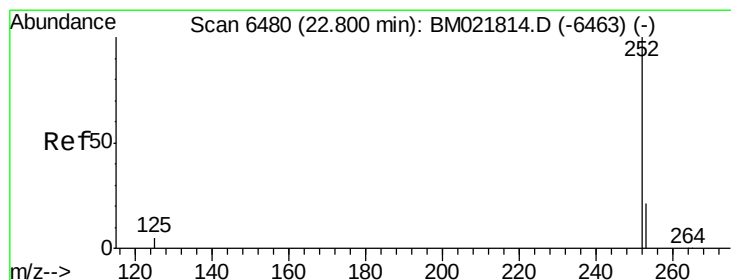
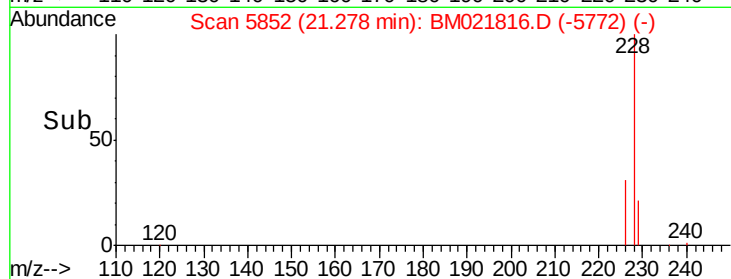
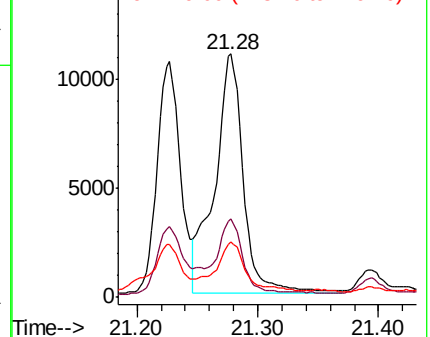
229 22.8 16.6 25.0



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: 1.486 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.01 min

Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

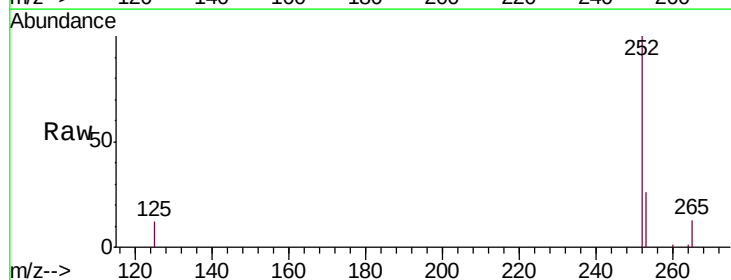
Tgt Ion:252 Resp: 36939

Ion Ratio Lower Upper

252 100

253 26.1 0.0 67.4

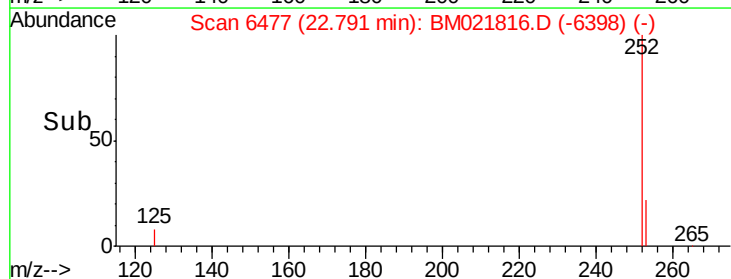
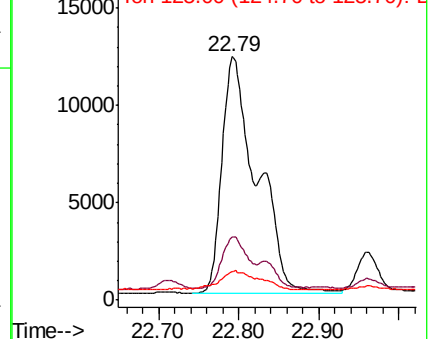
125 12.0 0.0 31.0

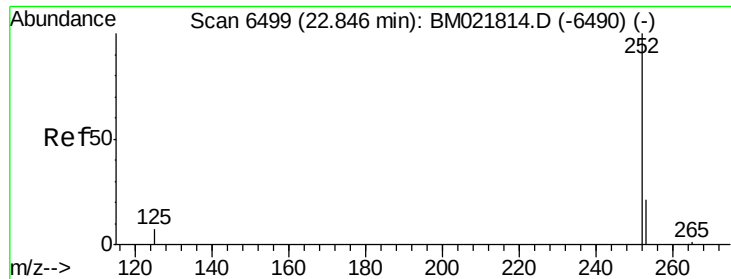


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.313 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.06 min

Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

Instrument :

BNA_M

ClientSampleId :

BENR9DL

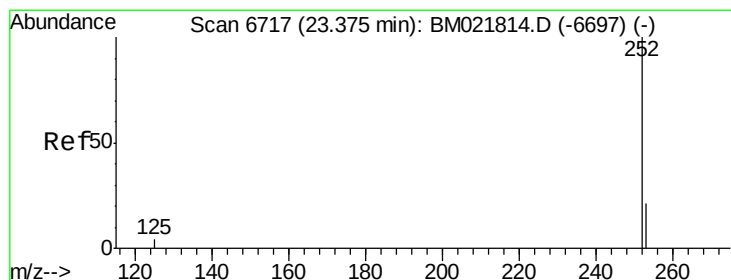
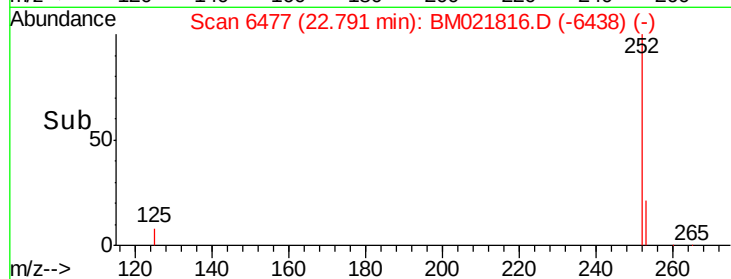
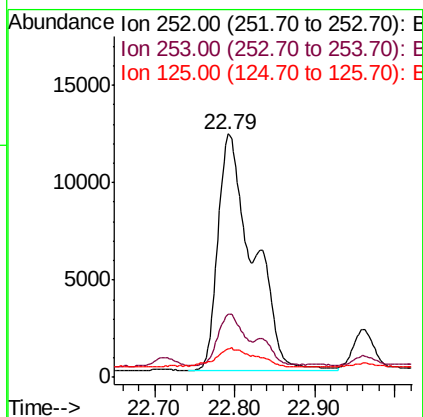
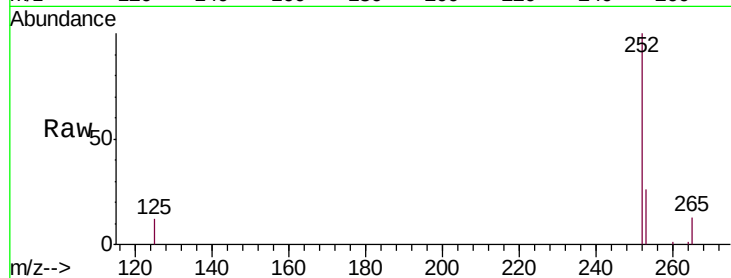
Tgt Ion:252 Resp: 36939

Ion Ratio Lower Upper

252 100

253 26.1 27.0 40.4#

125 12.0 12.2 18.2#



#23

Benzo(a)pyrene

Concen: 0.694 ng/ul

RT: 23.36 min Scan# 6711

Delta R.T. -0.02 min

Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

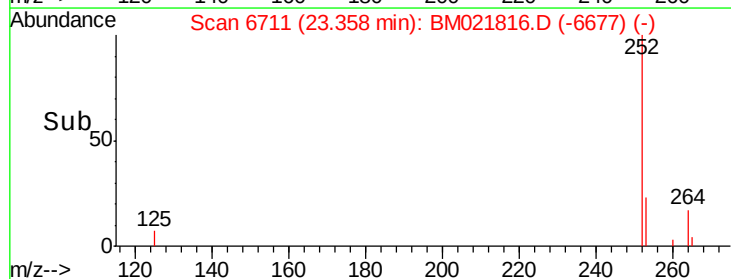
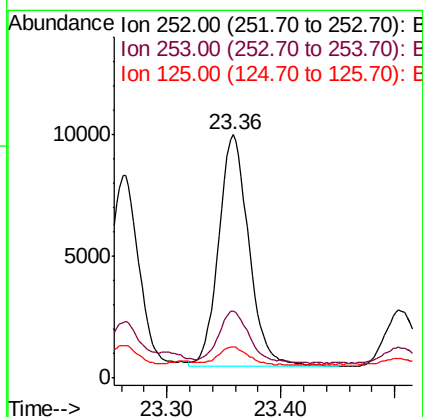
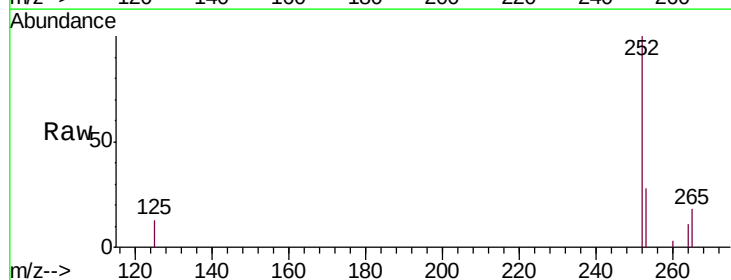
Tgt Ion:252 Resp: 17544

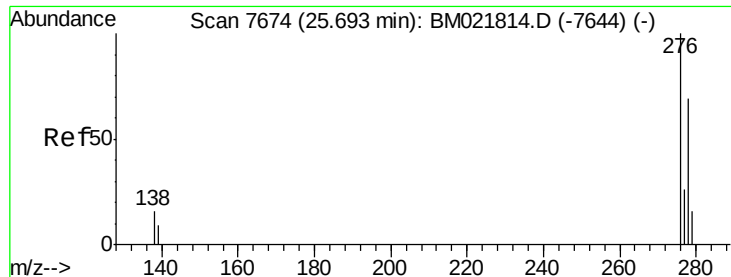
Ion Ratio Lower Upper

252 100

253 27.7 31.7 47.5#

125 13.0 14.6 21.8#



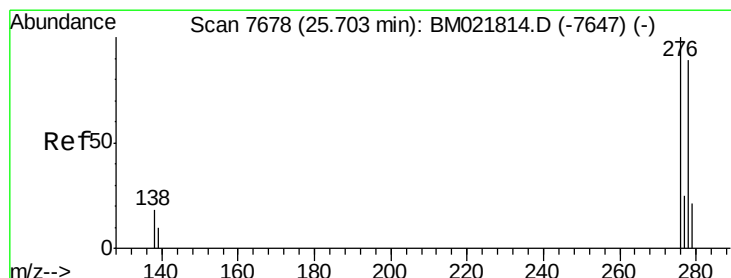
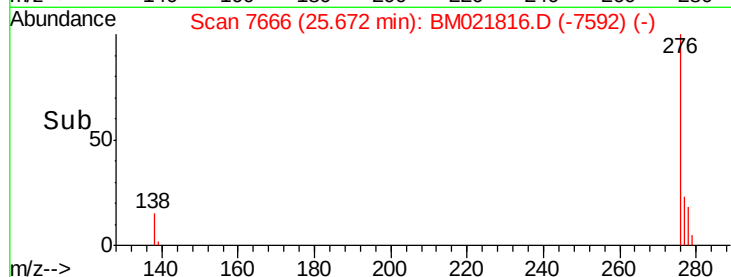
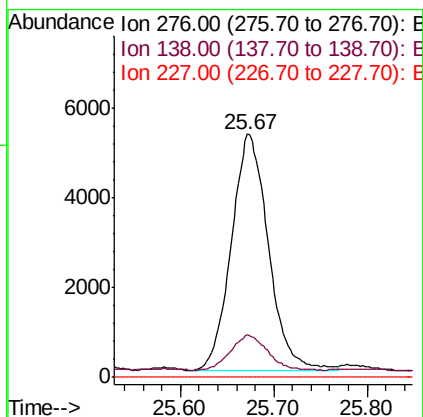
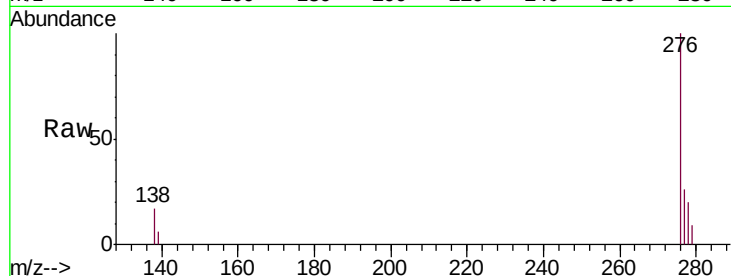


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.484 ng/ul
RT: 25.67 min Scan# 7666
Delta R.T. -0.02 min
Lab File: BM021816.D
Acq: 04 Aug 2019 17:13

Instrument :
BNA_M
ClientSampleId :
BENR9DL

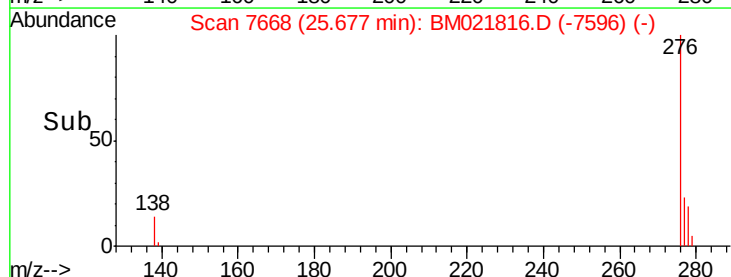
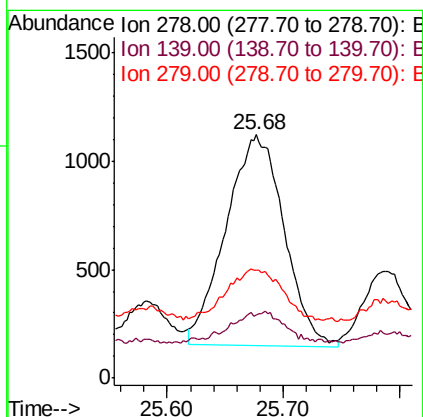
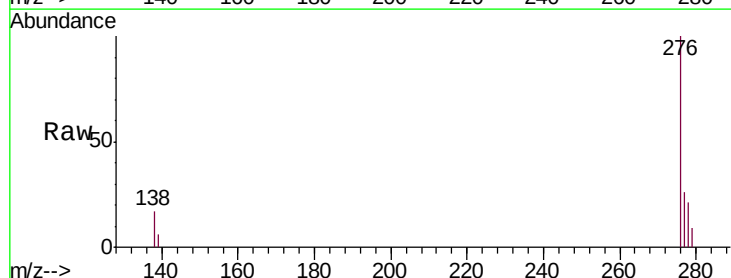
Tgt Ion: 276 Resp: 14598
Ion Ratio Lower Upper
276 100
138 14.9 15.1 22.7#
227 0.0 0.0 0.0

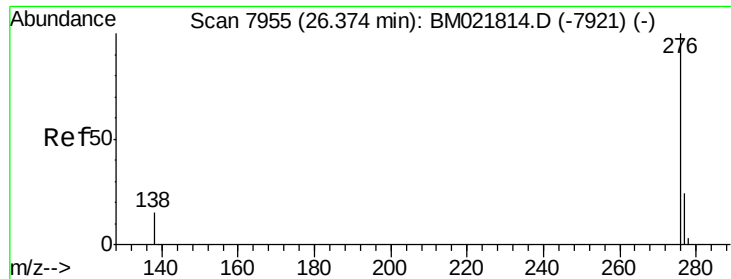


#25

Dibenzo(a,h)anthracene
Concen: 0.138 ng/ul
RT: 25.68 min Scan# 7668
Delta R.T. -0.03 min
Lab File: BM021816.D
Acq: 04 Aug 2019 17:13

Tgt Ion: 278 Resp: 3355
Ion Ratio Lower Upper
278 100
139 25.9 14.2 21.2#
279 44.1 28.3 42.5#





#26

Benzo(g,h,i)perylene

Concen: 0.583 ng/ul

RT: 26.36 min Scan# 7948

Delta R.T. -0.02 min

Lab File: BM021816.D

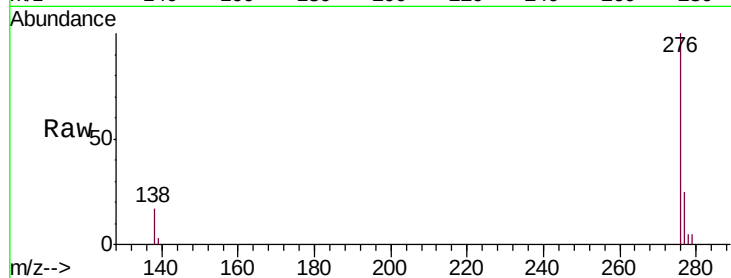
Acq: 04 Aug 2019 17:13

Instrument :

BNA_M

ClientSampleId :

BENR9DL



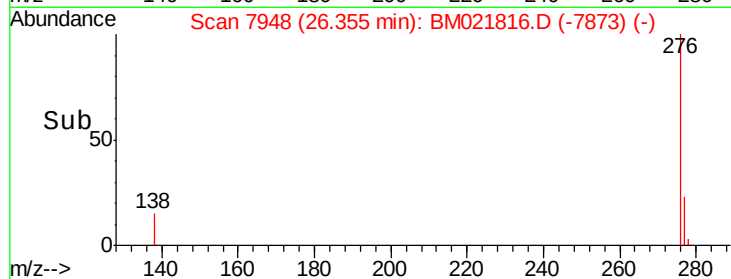
Tgt Ion: 276 Resp: 15845

Ion Ratio Lower Upper

276 100

138 17.5 15.5 23.3

277 25.4 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

