

Data File : BM021910.D
Acq On : 07 Aug 2019 23:45
Operator : HP/JU
Sample : K4029-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENY6

Quant Time: Aug 08 04:43:27 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 : Thu Aug 08 04:39:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	818	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	3572	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.28	164	2106	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.13	188	321368	0.40	ng/ul	0.08
16) Chrysene-d12	21.28	240	86	0.40	ng/ul	0.04
20) Perylene-d12	23.45	264	7639	0.40	ng/ul	-0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	1515	0.26	ng/ul	0.00
14) Fluoranthene-d10	19.20	212	74	0.00	ng/ul	0.12

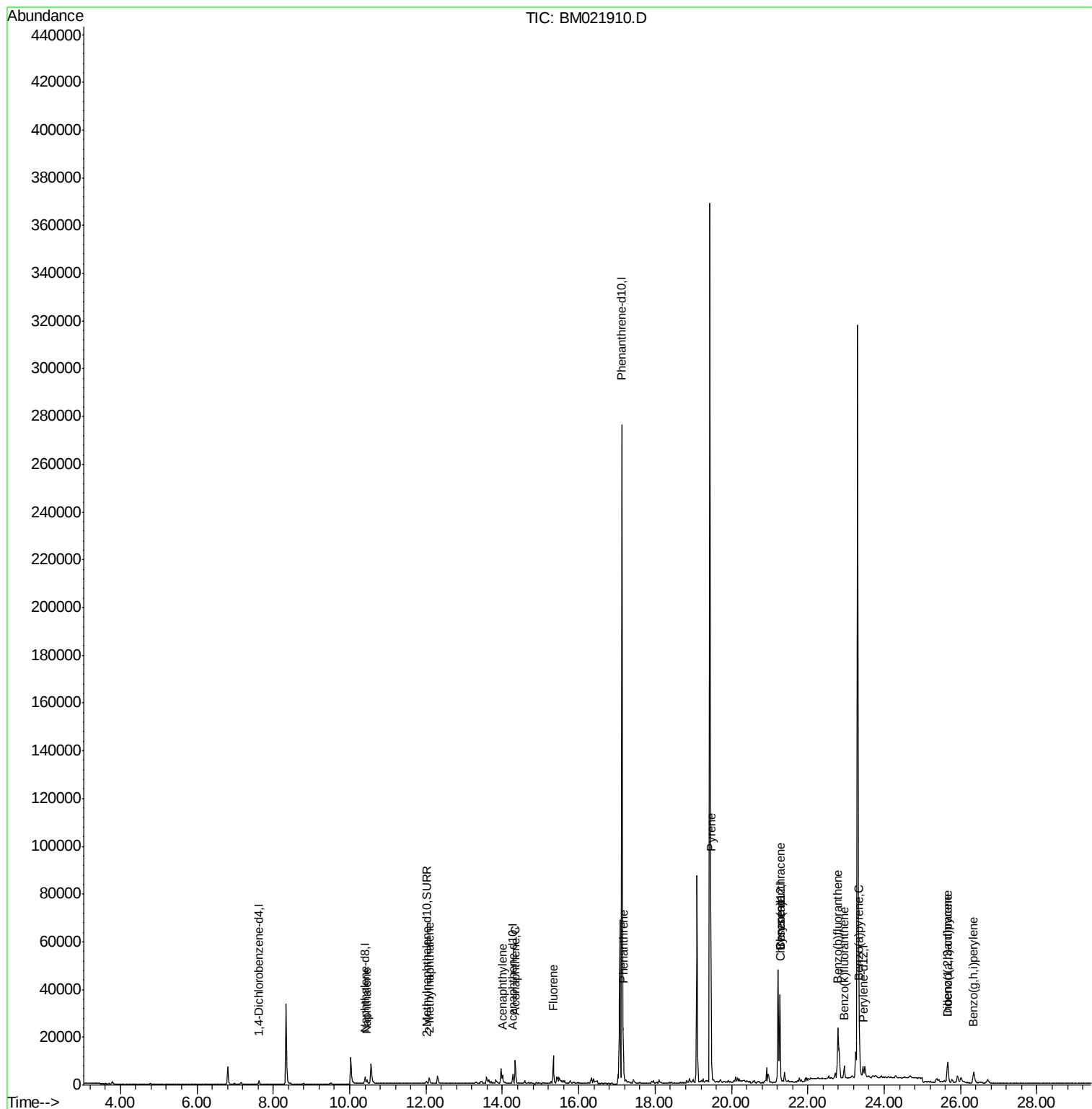
Target Compounds				Qvalue		
3) Naphthalene	10.45	128	2255	0.224	ng/ul	99
5) 2-Methylnaphthalene	12.08	142	2040	0.303	ng/ul	98
7) Acenaphthylene	14.00	152	2556	0.260	ng/ul#	84
8) Acenaphthene	14.34	153	5784	0.720	ng/ul	96
9) Fluorene	15.33	166	7390	0.828	ng/ul	97
12) Phenanthrene	17.17	178	23002	0.025	ng/ul	97
17) Pyrene	19.46	202	63205	178.848	ng/ul	100
18) Benzo(a)anthracene	21.27	228	33647	109.380	ng/ul	95
19) Chrysene	21.27	228	33662	85.087	ng/ul	98
21) Benzo(b)fluoranthene	22.79	252	49235	1.911	ng/ul	86
22) Benzo(k)fluoranthene	22.95	252	5381	0.185	ng/ul	94
23) Benzo(a)pyrene	23.35	252	25772	0.984	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	25.66	276	13506	0.432	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.67	278	4342	0.172	ng/ul#	89
26) Benzo(g,h,i)perylene	26.34	276	9911	0.352	ng/ul	98

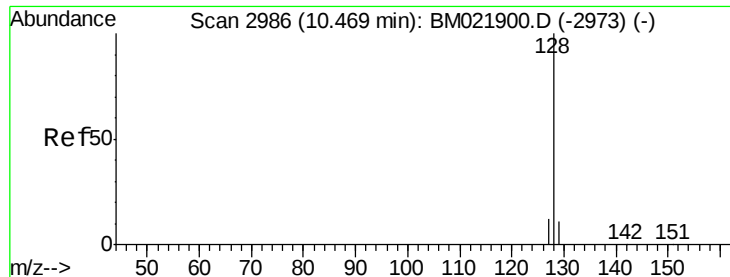
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.224 ng/ul

RT: 10.45 min Scan# 2982

Delta R.T. -0.02 min

Lab File: BM021910.D

Acq: 07 Aug 2019 23:45

Instrument :

BNA_M

ClientSampleId :

BENY6

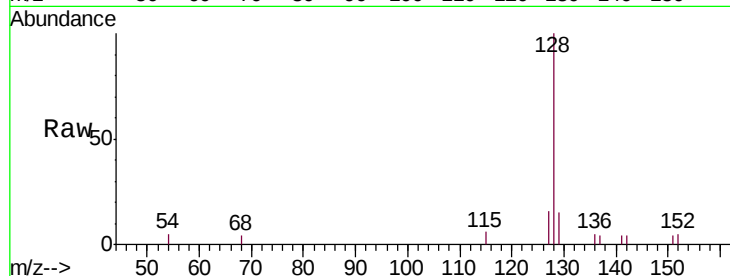
Tgt Ion:128 Resp: 2255

Ion Ratio Lower Upper

128 100

129 15.1 12.3 18.5

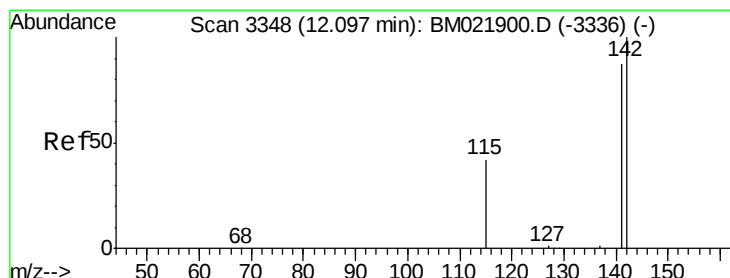
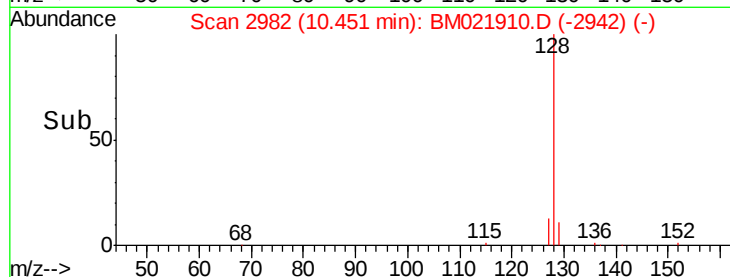
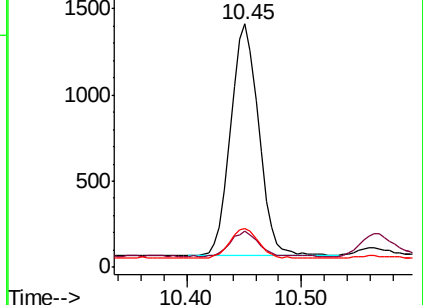
127 16.1 13.0 19.6



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: 0.303 ng/ul

RT: 12.08 min Scan# 3345

Delta R.T. -0.01 min

Lab File: BM021910.D

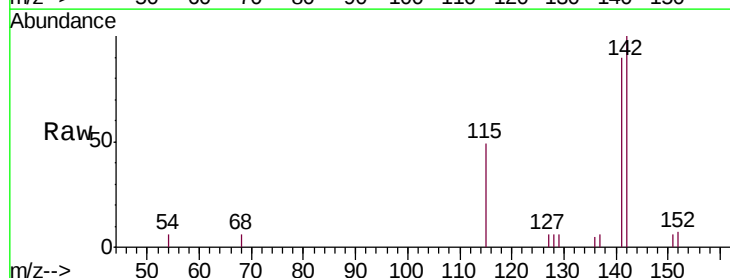
Acq: 07 Aug 2019 23:45

Tgt Ion:142 Resp: 2040

Ion Ratio Lower Upper

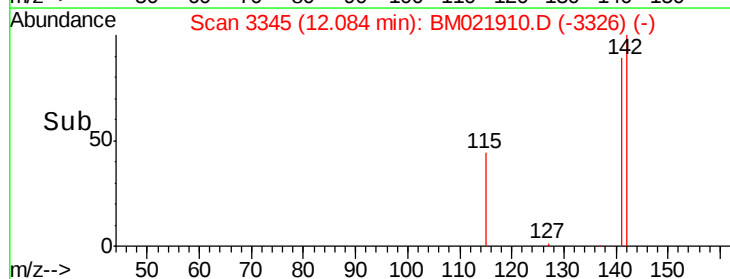
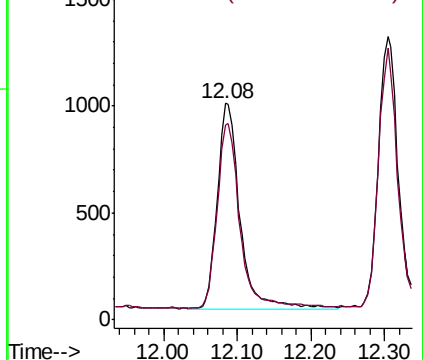
142 100

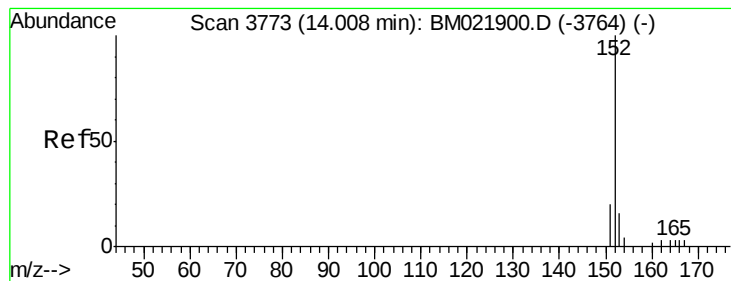
141 90.9 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.260 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. -0.01 min

Lab File: BM021910.D

Acq: 07 Aug 2019 23:45

Instrument :

BNA_M

ClientSampleId :

BENY6

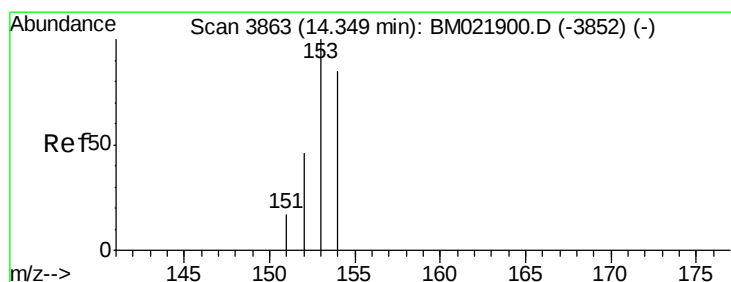
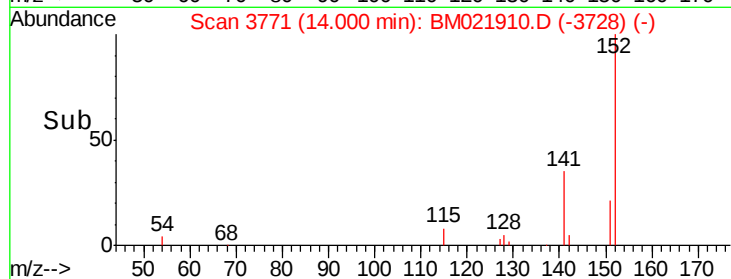
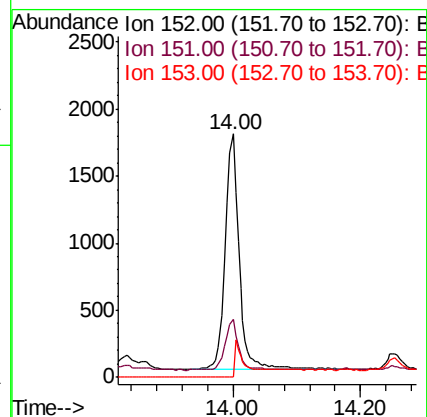
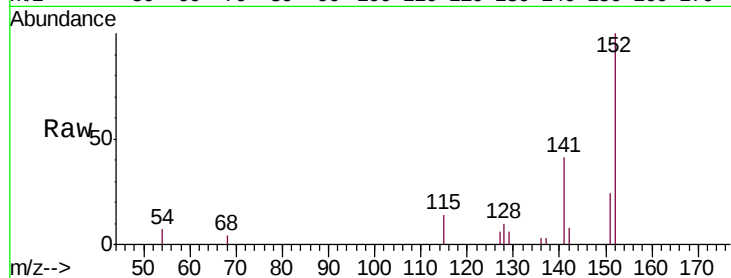
Tgt Ion:152 Resp: 2556

Ion Ratio Lower Upper

152 100

151 23.7 18.3 27.5

153 0.0 12.8 19.2#



#8

Acenaphthene

Concen: 0.720 ng/ul

RT: 14.34 min Scan# 3860

Delta R.T. -0.01 min

Lab File: BM021910.D

Acq: 07 Aug 2019 23:45

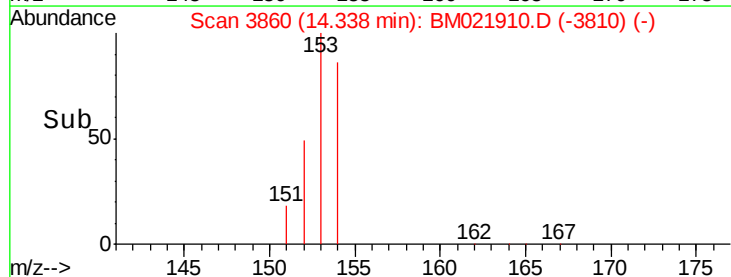
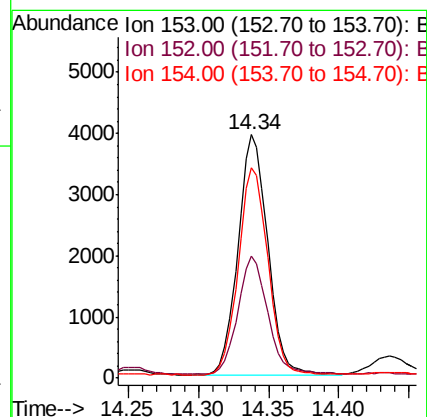
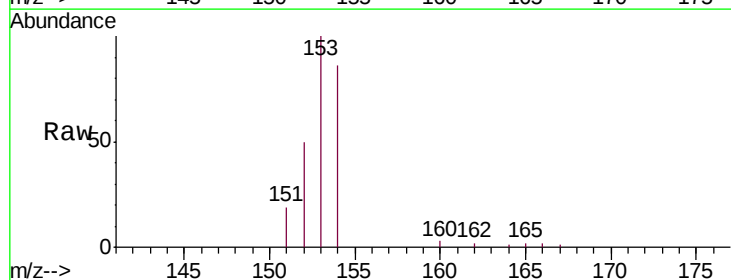
Tgt Ion:153 Resp: 5784

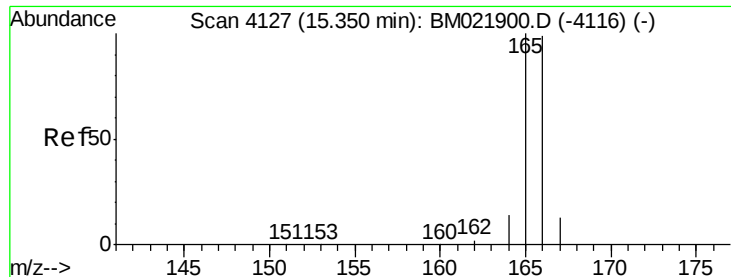
Ion Ratio Lower Upper

153 100

152 49.9 41.3 61.9

154 86.3 72.3 108.5





#9

Fluorene

Concen: 0.828 ng/ul

RT: 15.33 min Scan# 4123

Delta R.T. -0.02 min

Lab File: BM021910.D

Acq: 07 Aug 2019 23:45

Instrument :

BNA_M

ClientSampleId :

BENY6

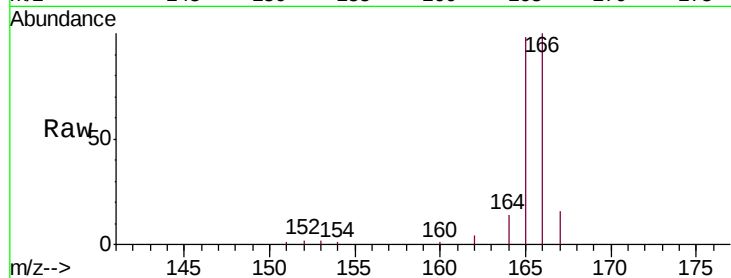
Tgt Ion:166 Resp: 7390

Ion Ratio Lower Upper

166 100

165 98.3 81.4 122.0

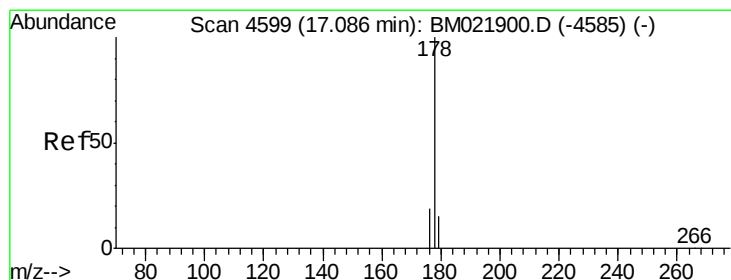
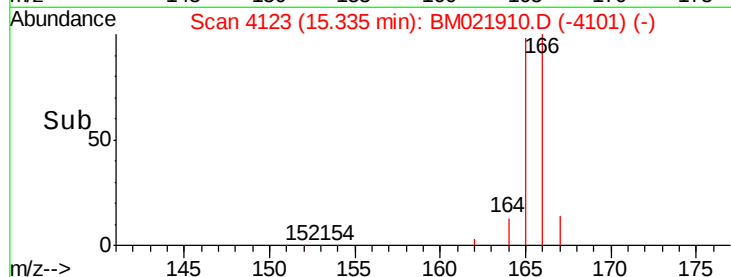
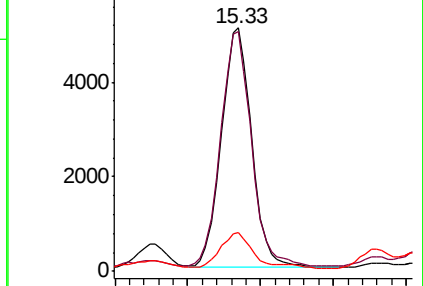
167 16.1 13.7 20.5



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: 0.025 ng/ul

RT: 17.17 min Scan# 4622

Delta R.T. 0.08 min

Lab File: BM021910.D

Acq: 07 Aug 2019 23:45

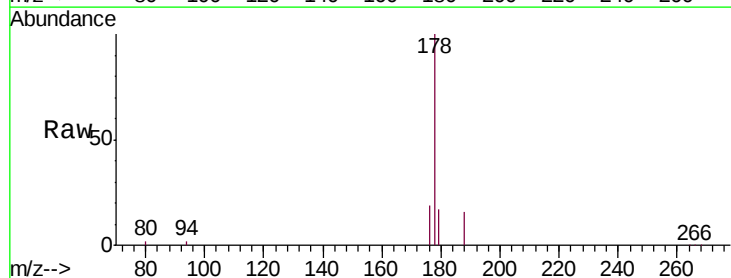
Tgt Ion:178 Resp: 23002

Ion Ratio Lower Upper

178 100

179 17.0 14.2 21.2

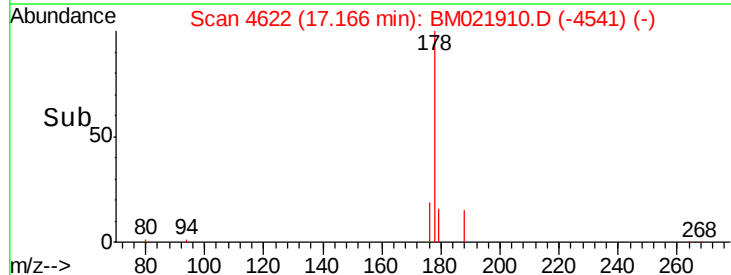
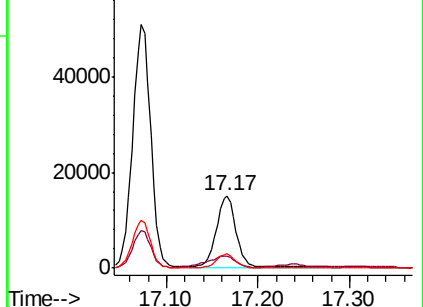
176 19.3 16.8 25.2

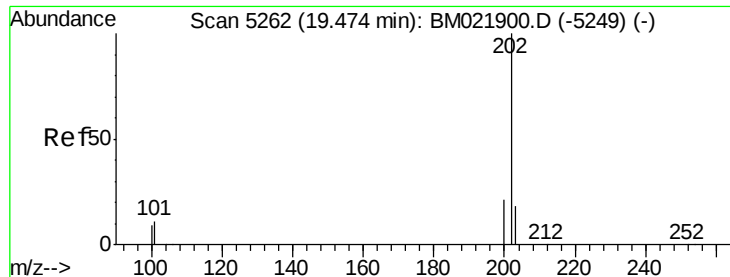


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

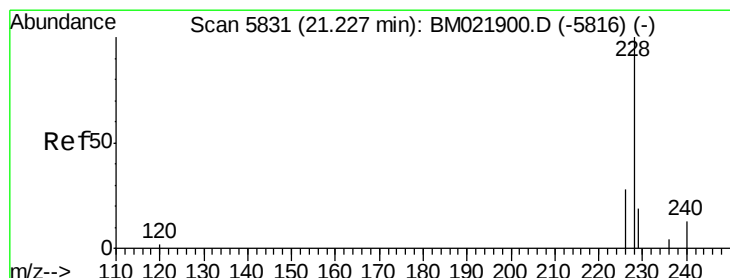
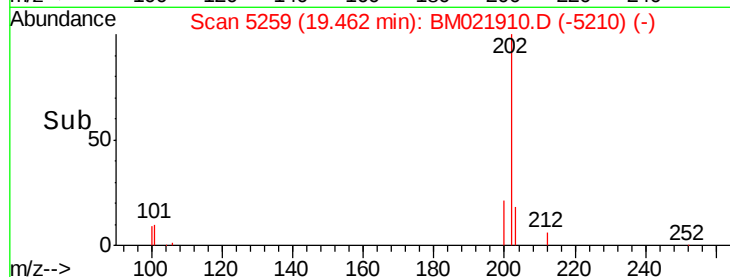
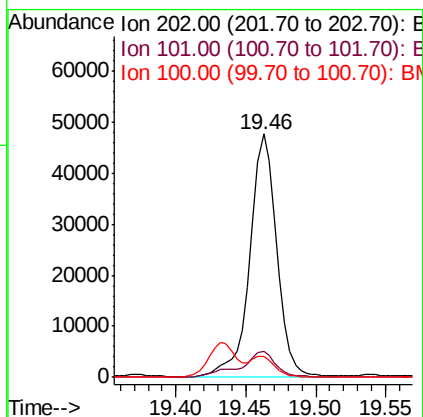
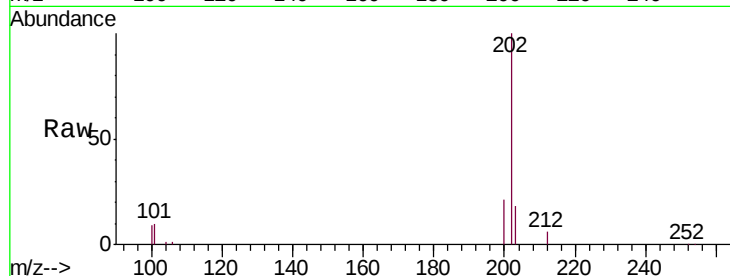




#17
 Pyrene
 Concen: 178.848 ng/ul
 RT: 19.46 min Scan# 5259
 Delta R.T. -0.01 min
 Lab File: BM021910.D
 Acq: 07 Aug 2019 23:45

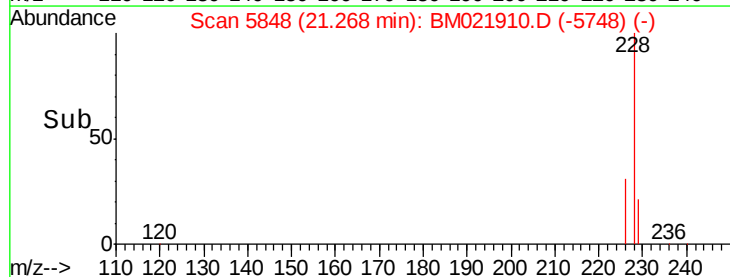
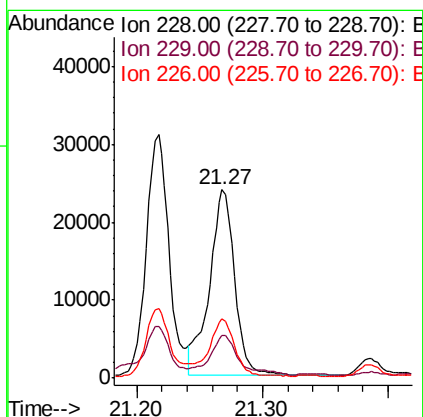
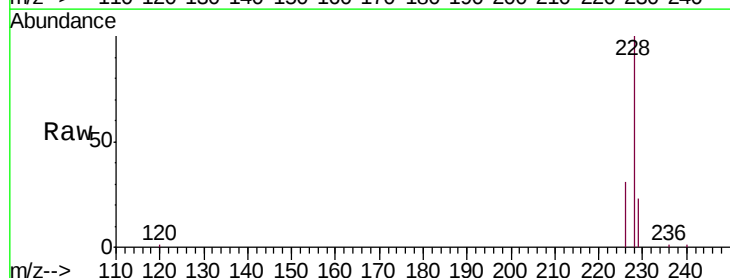
Instrument :
 BNA_M
 ClientSampleId :
 BENY6

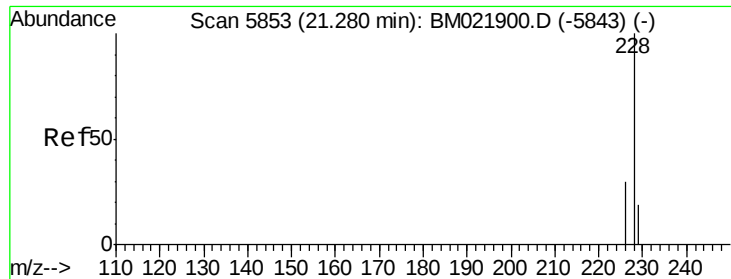
Tgt Ion:202 Resp: 63205
 Ion Ratio Lower Upper
 202 100
 101 10.5 8.3 12.5
 100 8.8 7.2 10.8



#18
 Benzo(a)anthracene
 Concen: 109.380 ng/ul
 RT: 21.27 min Scan# 5848
 Delta R.T. 0.04 min
 Lab File: BM021910.D
 Acq: 07 Aug 2019 23:45

Tgt Ion:228 Resp: 33647
 Ion Ratio Lower Upper
 228 100
 229 22.9 17.2 25.8
 226 31.4 22.6 34.0





#19

Chrysene

Concen: 85.087 ng/ul

RT: 21.27 min Scan# 5848

Delta R.T. -0.01 min

Lab File: BM021910.D

Acq: 07 Aug 2019 23:45

Instrument :

BNA_M

ClientSampleId :

BENY6

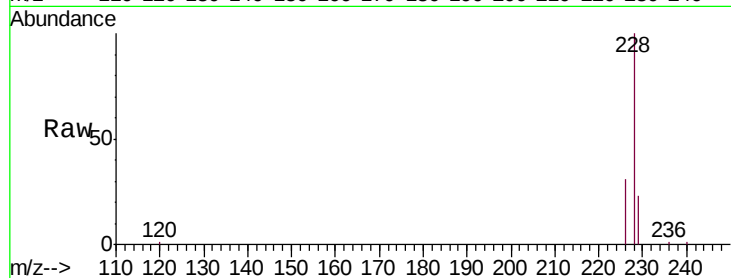
Tgt Ion:228 Resp: 33662

Ion Ratio Lower Upper

228 100

226 31.4 24.9 37.3

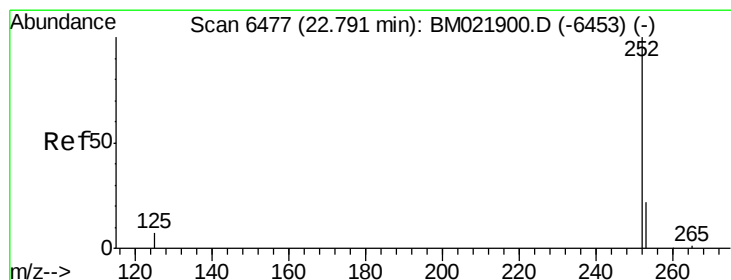
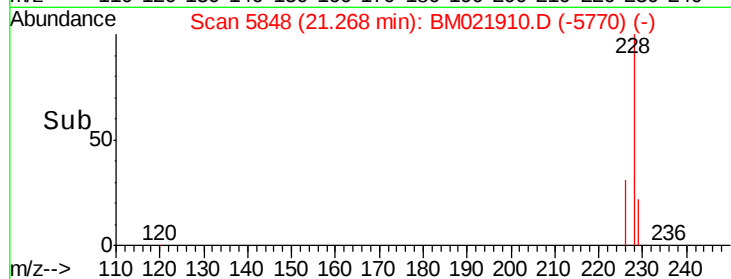
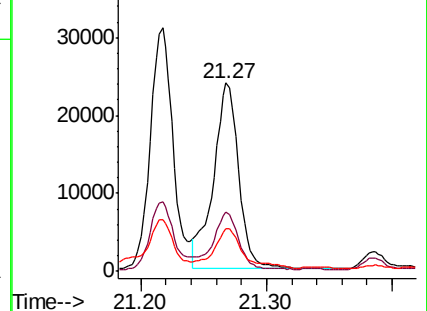
229 22.9 16.6 25.0



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: 1.911 ng/ul

RT: 22.79 min Scan# 6475

Delta R.T. -0.00 min

Lab File: BM021910.D

Acq: 07 Aug 2019 23:45

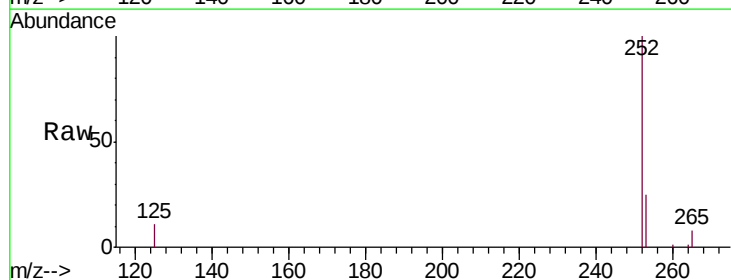
Tgt Ion:252 Resp: 49235

Ion Ratio Lower Upper

252 100

253 25.2 0.0 67.4

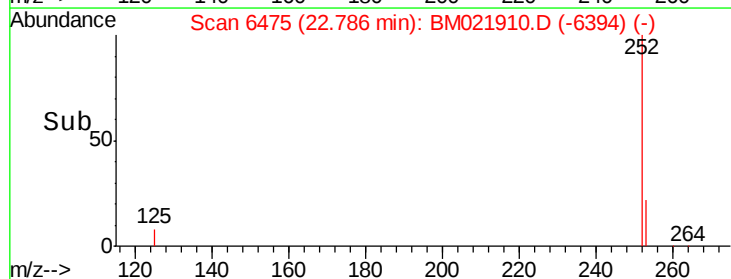
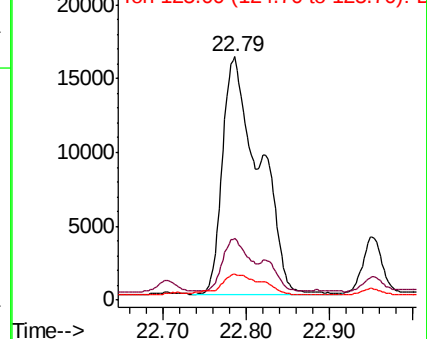
125 10.5 0.0 31.0

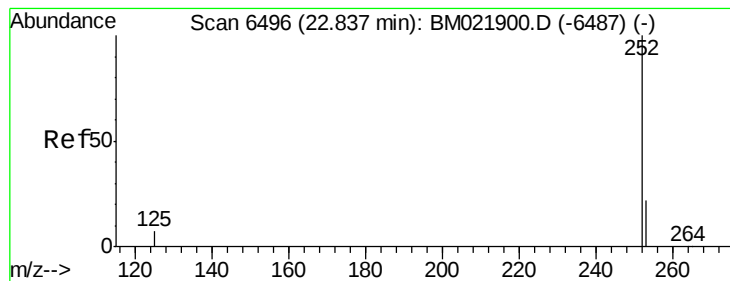


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.185 ng/ul

RT: 22.95 min Scan# 6543

Delta R.T. 0.11 min

Lab File: BM021910.D

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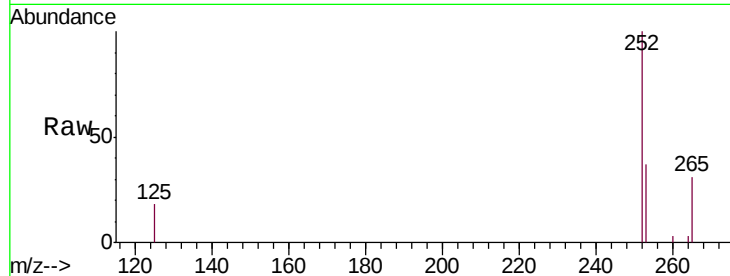
Tgt Ion:252 Resp: 5381

Ion Ratio Lower Upper

252 100

253 37.2 27.0 40.4

125 17.9 12.2 18.2

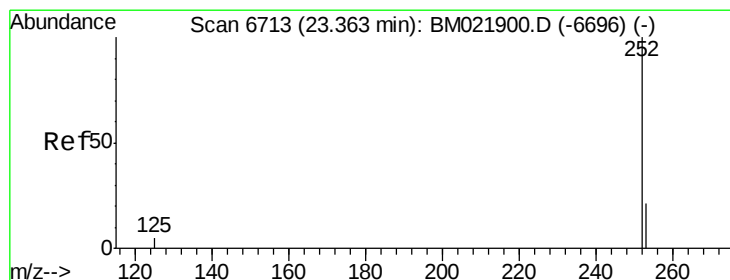
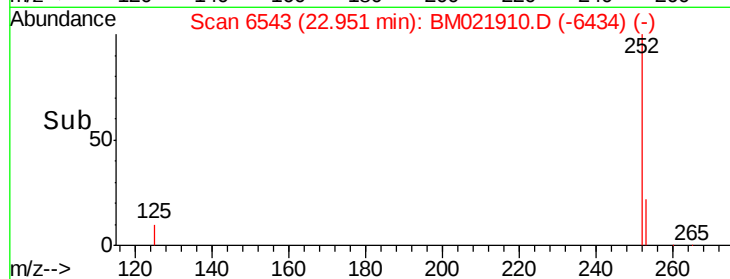
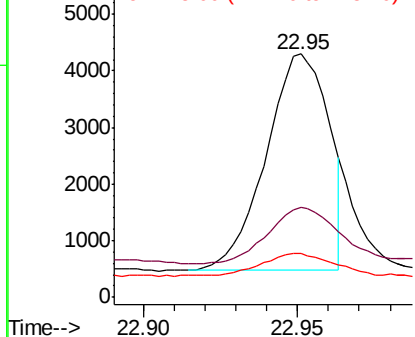


Abundance

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



#23

Benzo(a)pyrene

Concen: 0.984 ng/ul

RT: 23.35 min Scan# 6707

Delta R.T. -0.01 min

Lab File: BM021910.D

Acq: 07 Aug 2019 23:45

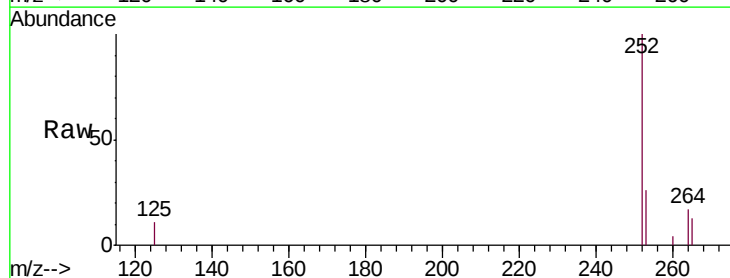
Tgt Ion:252 Resp: 25772

Ion Ratio Lower Upper

252 100

253 25.7 31.7 47.5#

125 10.9 14.6 21.8#

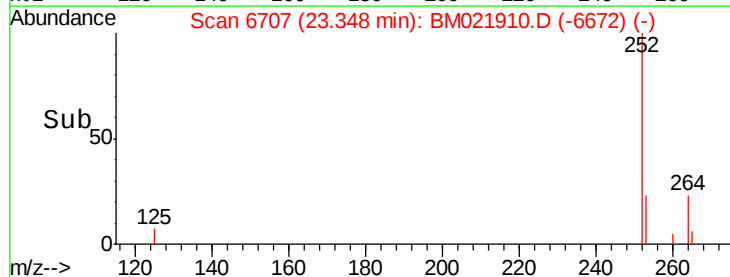
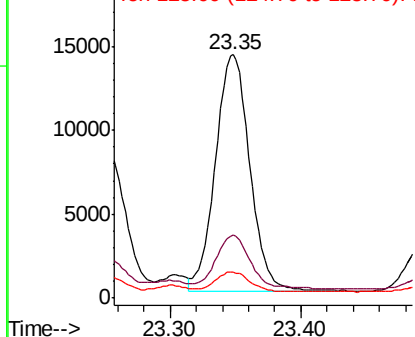


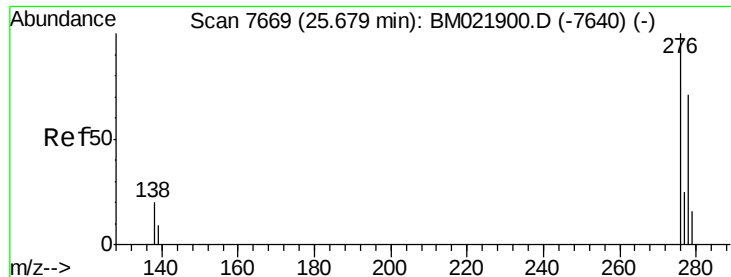
Abundance

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: 0.432 ng/u1

RT: 25.66 min Scan# 7662

Delta R.T. -0.02 min

Lab File: BM021910.D

Acq: 07 Aug 2019 23:45

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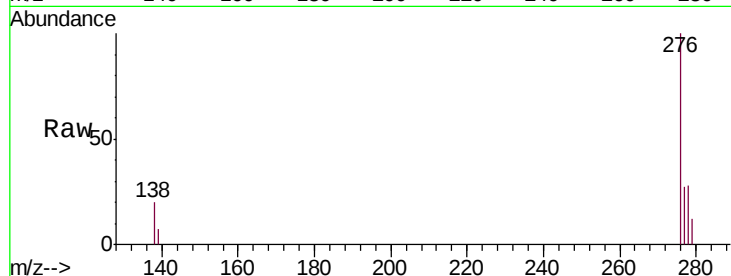
Tgt Ion:276 Resp: 13506

Ion Ratio Lower Upper

276 100

138 17.3 15.1 22.7

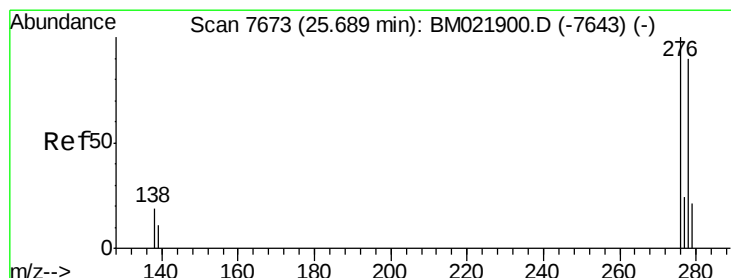
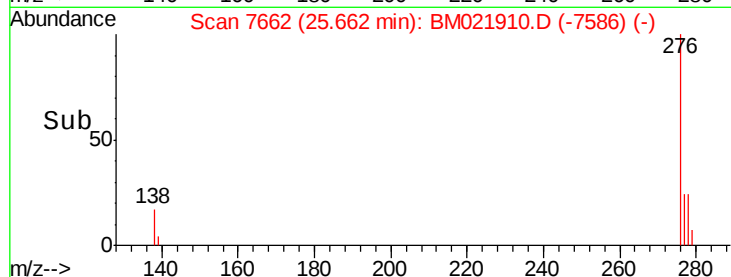
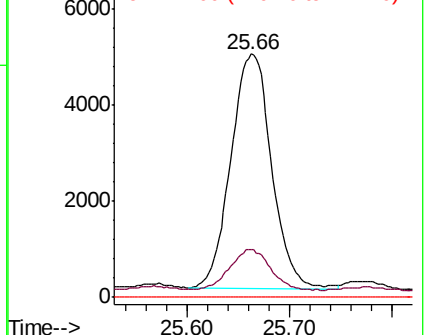
227 0.0 0.0 0.0



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: 0.172 ng/u1

RT: 25.67 min Scan# 7665

Delta R.T. -0.02 min

Lab File: BM021910.D

Acq: 07 Aug 2019 23:45

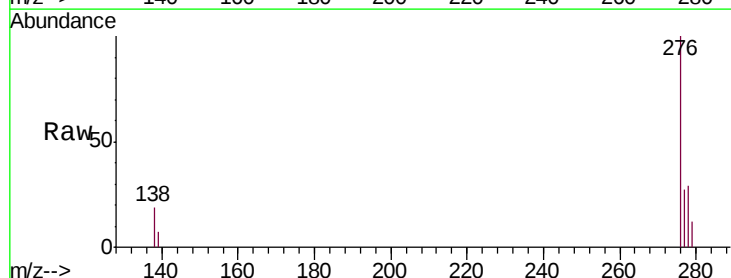
Tgt Ion:278 Resp: 4342

Ion Ratio Lower Upper

278 100

139 24.9 14.2 21.2#

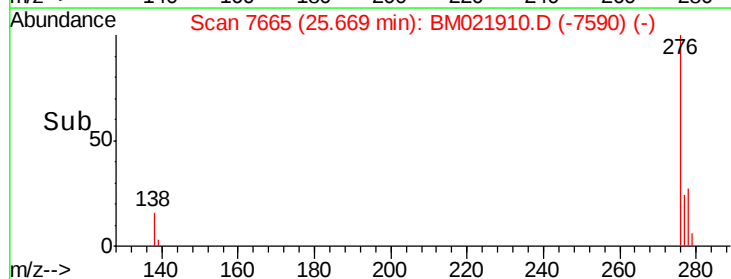
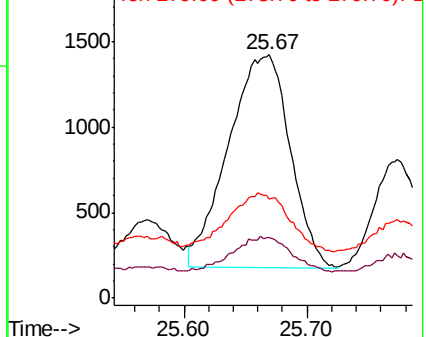
279 40.5 28.3 42.5

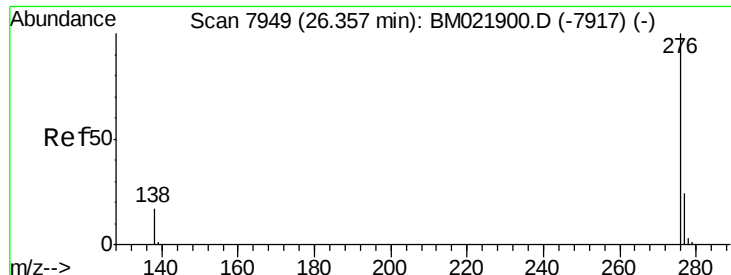


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.352 ng/ul

RT: 26.34 min Scan# 7943

Delta R.T. -0.01 min

Lab File: BM021910.D

Acq: 07 Aug 2019 23:45

Instrument :

BNA_M

ClientSampleId :

BENY6

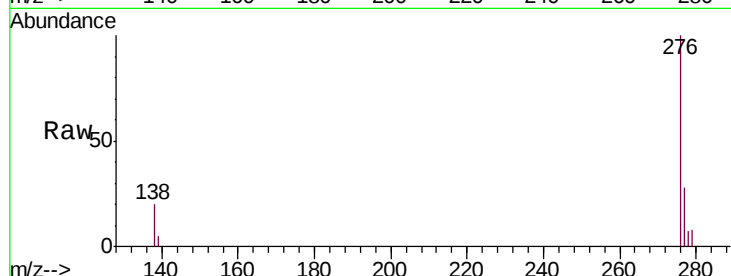
Tgt Ion: 276 Resp: 9911

Ion Ratio Lower Upper

276 100

138 20.3 15.5 23.3

277 27.9 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

