

Data File : BM021933.D
Acq On : 08 Aug 2019 15:03
Operator : HP/JU
Sample : K4029-17
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENT6

Quant Time: Aug 09 00:59:39 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 : Fri Aug 09 00:56:52 2019
Response via : Initial Calibration

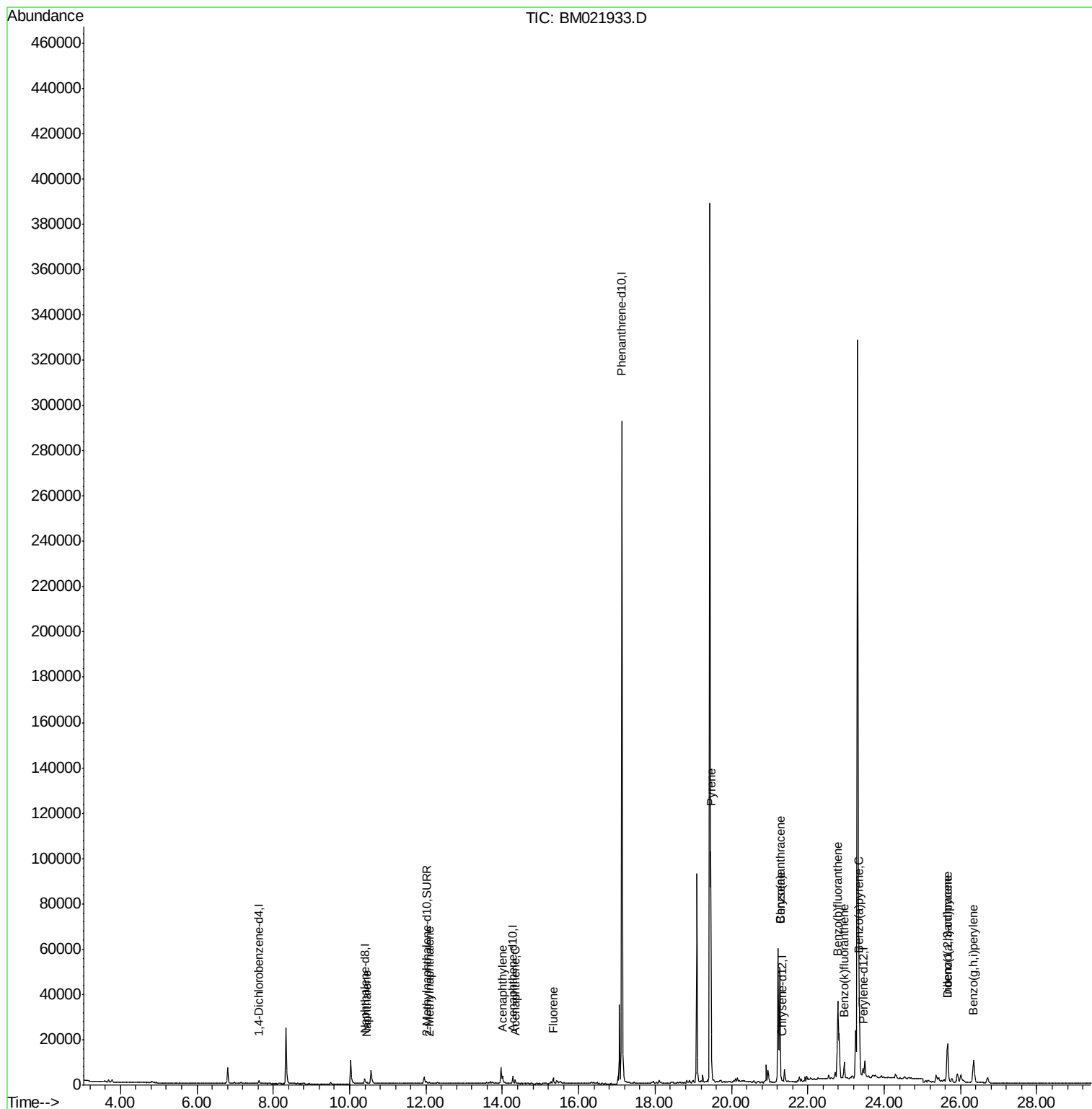
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	743	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.40	136	3167	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.27	164	1805	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.13	188	345236	0.40	ng/ul	0.08
16) Chrysene-d12	21.34	240	14	0.40	ng/ul	0.09
20) Perylene-d12	23.44	264	7549	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	1638	0.31	ng/ul	-0.02
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	
Target Compounds						
					Qvalue	
3) Naphthalene	10.45	128	935	0.105	ng/ul#	91
5) 2-Methylnaphthalene	12.08	142	482	0.081	ng/ul	99
7) Acenaphthylene	14.00	152	3865	0.459	ng/ul#	83
8) Acenaphthene	14.34	153	1106	0.161	ng/ul	96
9) Fluorene	15.33	166	1704	0.223	ng/ul	99
17) Pyrene	19.46	202	81295	1413.084	ng/ul	99
18) Benzo(a)anthracene	21.27	228	51012	1018.670	ng/ul	97
19) Chrysene	21.27	228	50983	791.625	ng/ul	99
21) Benzo(b)fluoranthene	22.78	252	80632	3.167	ng/ul	84
22) Benzo(k)fluoranthene	22.95	252	7474	0.259	ng/ul	97
23) Benzo(a)pyrene	23.35	252	42109	1.627	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	25.66	276	26560	0.859	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.66	278	7778	0.311	ng/ul	97
26) Benzo(g,h,i)perylene	26.34	276	21598	0.776	ng/ul	98

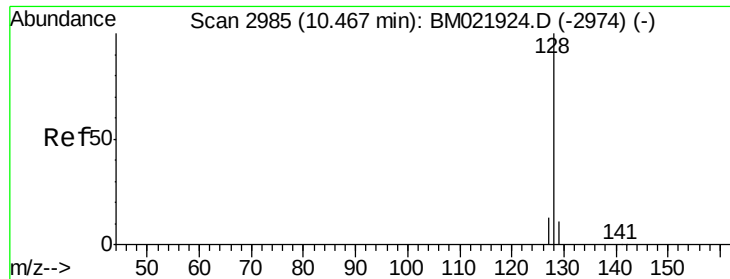
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.105 ng/ul

RT: 10.45 min Scan# 2981

Delta R.T. -0.02 min

Lab File: BM021933.D

Acq: 08 Aug 2019 15:03

Instrument :

BNA_M

ClientSampleId :

BENT6

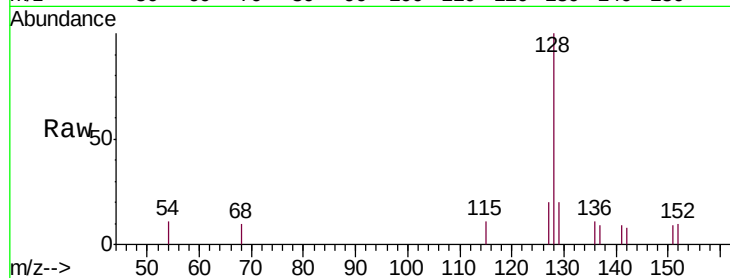
Tgt Ion:128 Resp: 935

Ion Ratio Lower Upper

128 100

129 19.6 12.3 18.5#

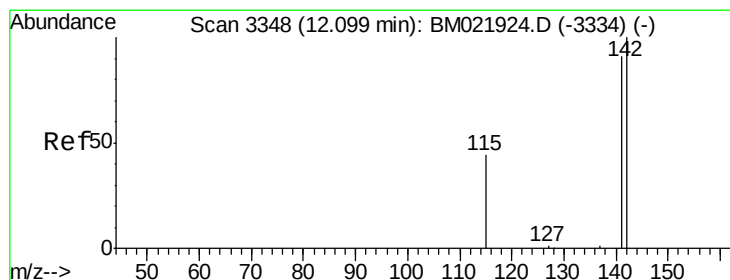
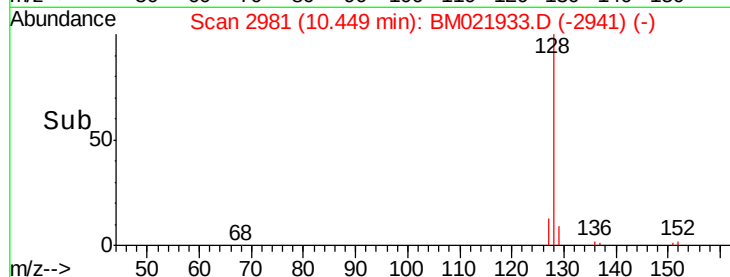
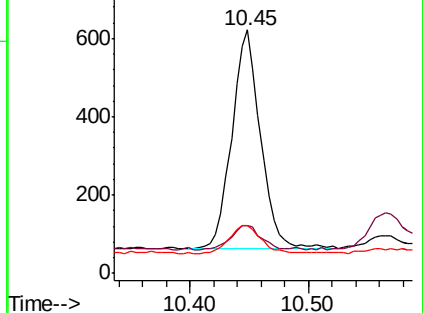
127 19.8 13.0 19.6#



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: 0.081 ng/ul

RT: 12.08 min Scan# 3344

Delta R.T. -0.02 min

Lab File: BM021933.D

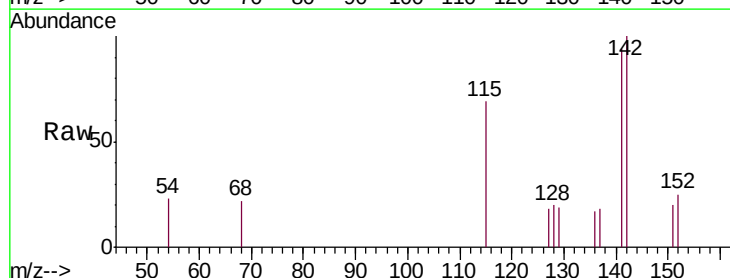
Acq: 08 Aug 2019 15:03

Tgt Ion:142 Resp: 482

Ion Ratio Lower Upper

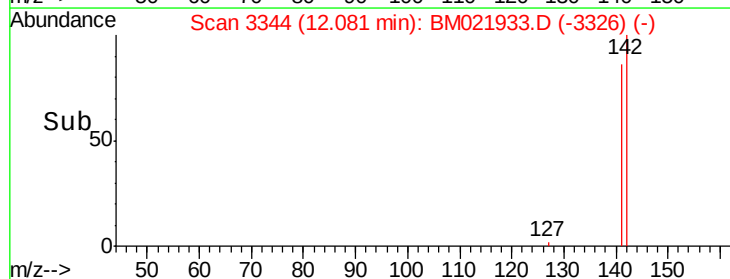
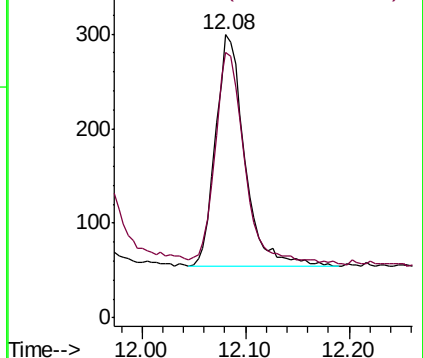
142 100

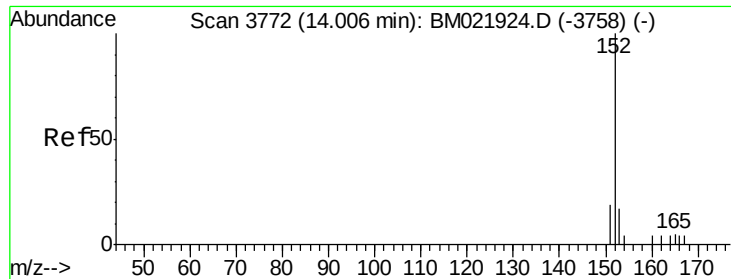
141 93.8 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.459 ng/ul

RT: 14.00 min Scan# 3770

Delta R.T. -0.01 min

Lab File: BM021933.D

Acq: 08 Aug 2019 15:03

Instrument :

BNA_M

ClientSampleId :

BENT6

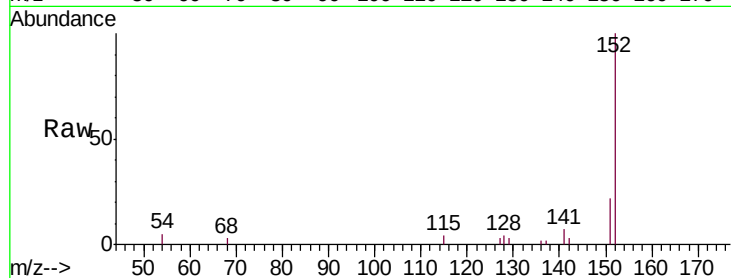
Tgt Ion:152 Resp: 3865

Ion Ratio Lower Upper

152 100

151 21.8 18.3 27.5

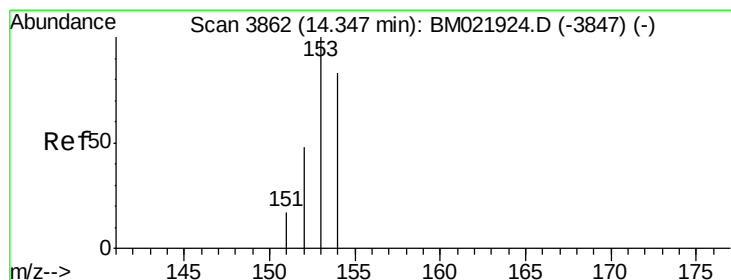
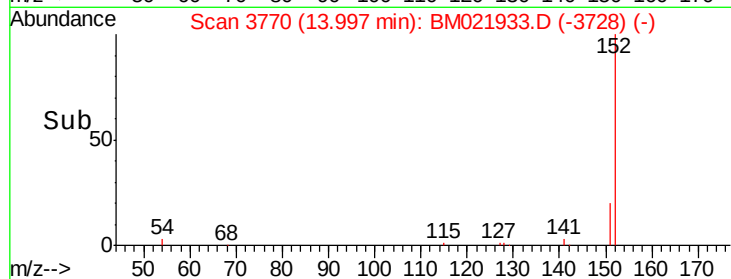
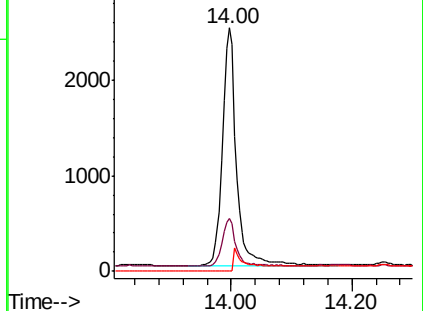
153 0.0 12.8 19.2#



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: 0.161 ng/ul

RT: 14.34 min Scan# 3859

Delta R.T. -0.01 min

Lab File: BM021933.D

Acq: 08 Aug 2019 15:03

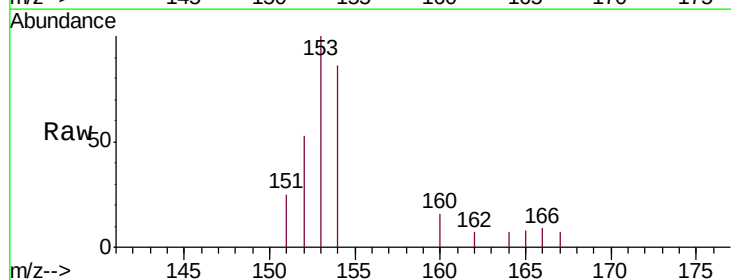
Tgt Ion:153 Resp: 1106

Ion Ratio Lower Upper

153 100

152 53.5 41.3 61.9

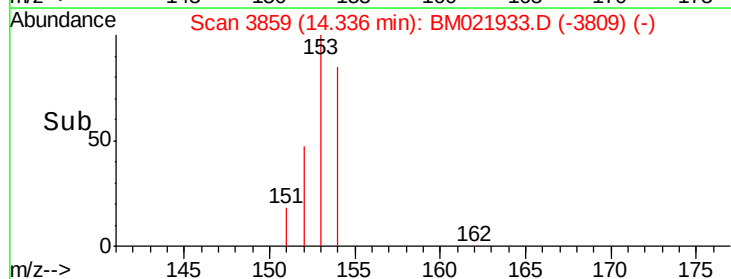
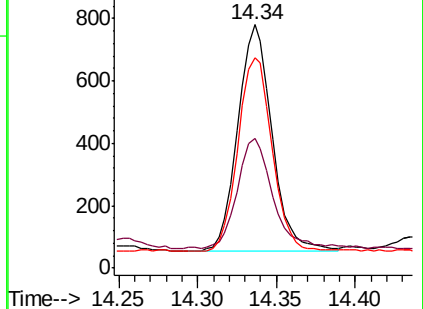
154 86.2 72.3 108.5

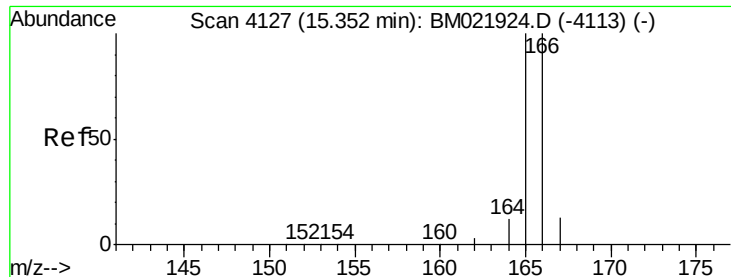


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

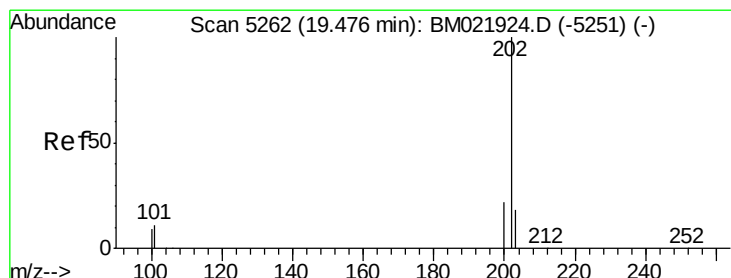
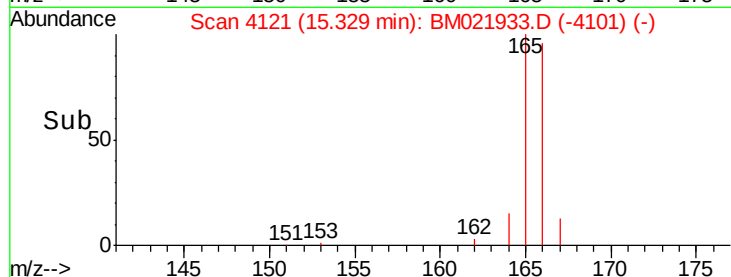
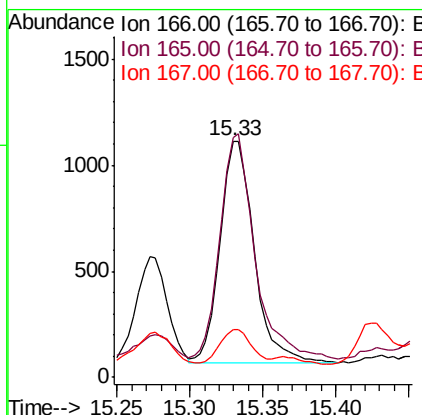
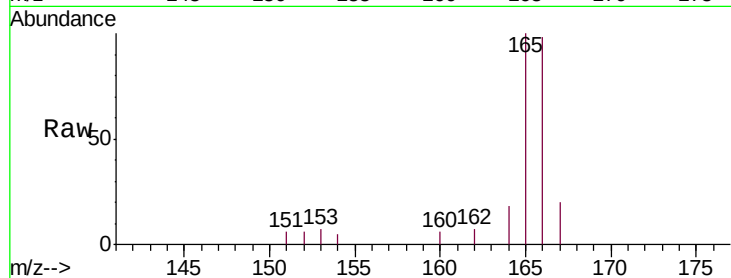




#9
Fluorene
 Concen: 0.223 ng/ul
 RT: 15.33 min Scan# 4121
 Delta R.T. -0.02 min
 Lab File: BM021933.D
 Acq: 08 Aug 2019 15:03

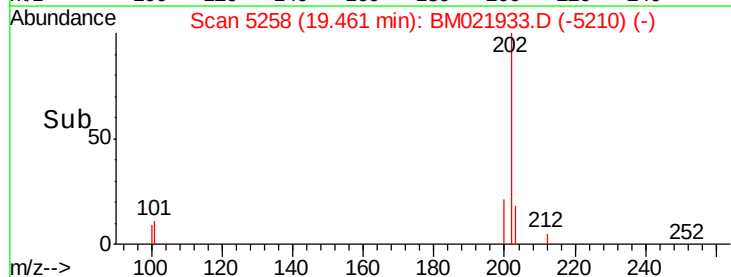
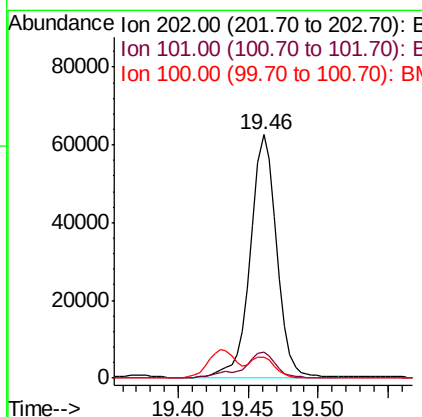
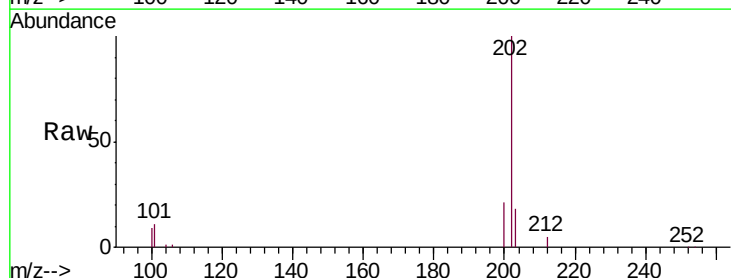
Instrument :
 BNA_M
 ClientSampleId :
 BENT6

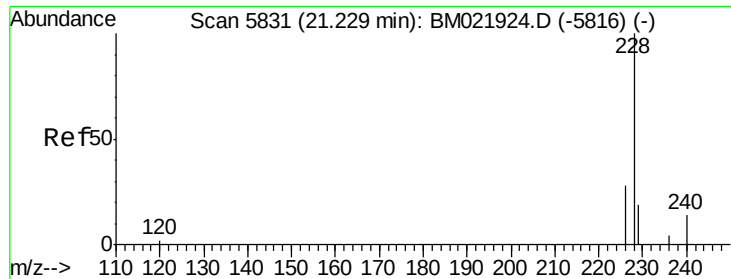
Tgt Ion:166 Resp: 1704
 Ion Ratio Lower Upper
 166 100
 165 101.5 81.4 122.0
 167 20.3 13.7 20.5



#17
Pyrene
 Concen: 1413.084 ng/ul
 RT: 19.46 min Scan# 5258
 Delta R.T. -0.02 min
 Lab File: BM021933.D
 Acq: 08 Aug 2019 15:03

Tgt Ion:202 Resp: 81295
 Ion Ratio Lower Upper
 202 100
 101 10.7 8.3 12.5
 100 8.8 7.2 10.8





#18

Benzo(a)anthracene

Concen: 1018.670 ng/ul

RT: 21.27 min Scan# 5847

Delta R.T. 0.04 min

Lab File: BM021933.D

Acq: 08 Aug 2019 15:03

Instrument :

BNA_M

ClientSampleId :

BENT6

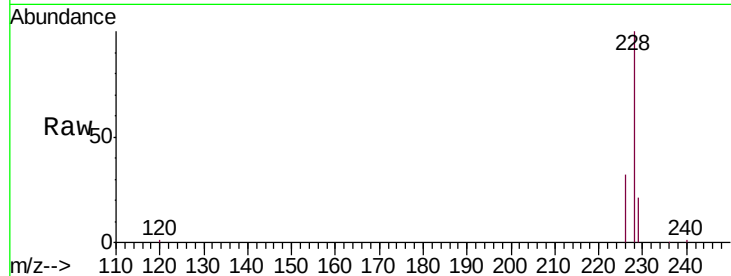
Tgt Ion:228 Resp: 51012

Ion Ratio Lower Upper

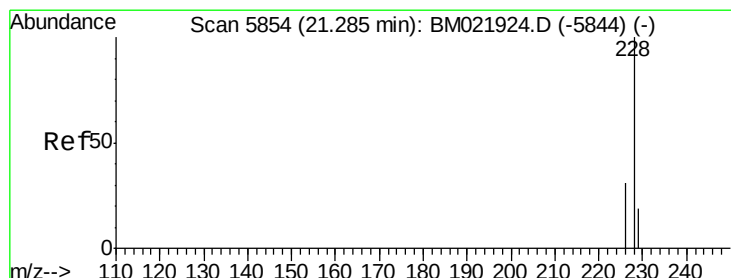
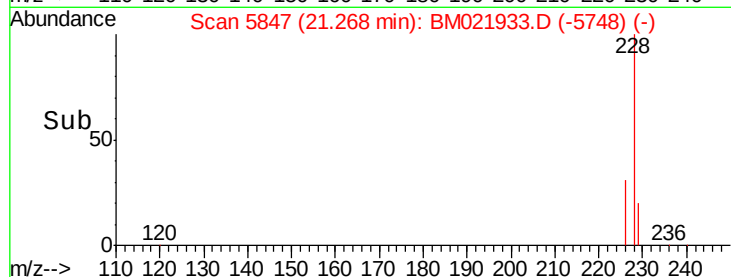
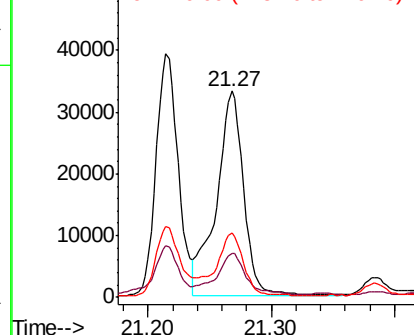
228 100

229 21.5 17.2 25.8

226 31.5 22.6 34.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 791.625 ng/ul

RT: 21.27 min Scan# 5847

Delta R.T. -0.02 min

Lab File: BM021933.D

Acq: 08 Aug 2019 15:03

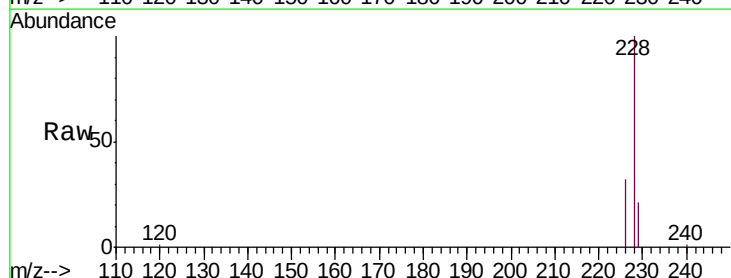
Tgt Ion:228 Resp: 50983

Ion Ratio Lower Upper

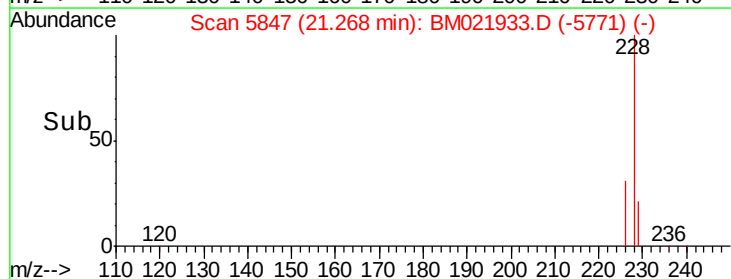
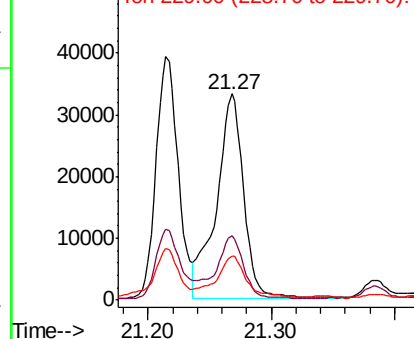
228 100

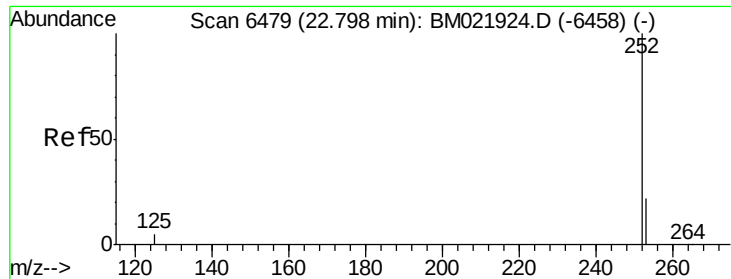
226 31.5 24.9 37.3

229 21.5 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: 3.167 ng/ul

RT: 22.78 min Scan# 6471

Delta R.T. -0.02 min

Lab File: BM021933.D

Acq: 08 Aug 2019 15:03

Instrument :

BNA_M

ClientSampleId :

BENT6

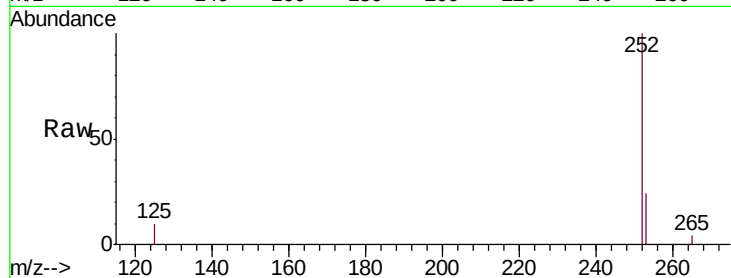
Tgt Ion:252 Resp: 80632

Ion Ratio Lower Upper

252 100

253 23.7 0.0 67.4

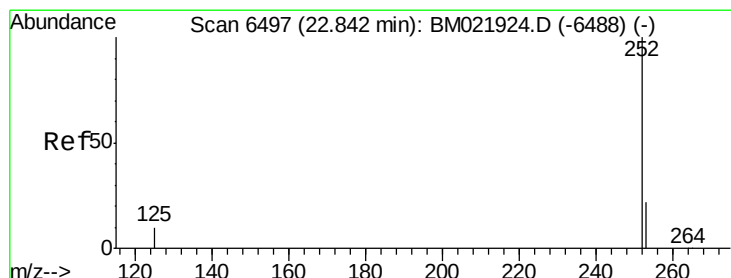
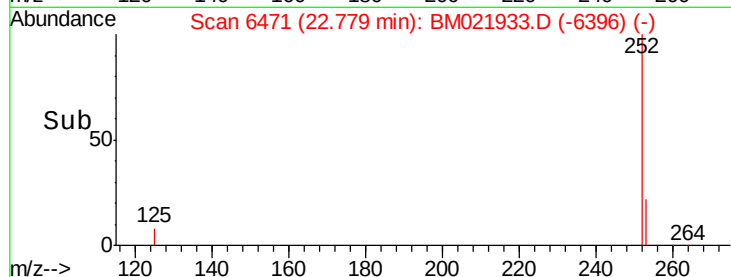
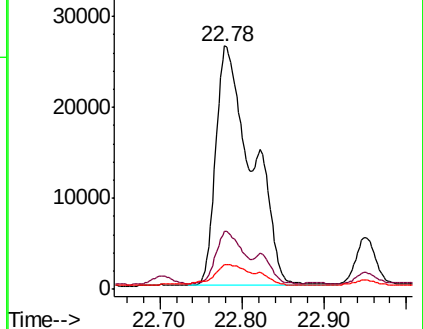
125 10.1 0.0 31.0



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: 0.259 ng/ul

RT: 22.95 min Scan# 6542

Delta R.T. 0.11 min

Lab File: BM021933.D

Acq: 08 Aug 2019 15:03

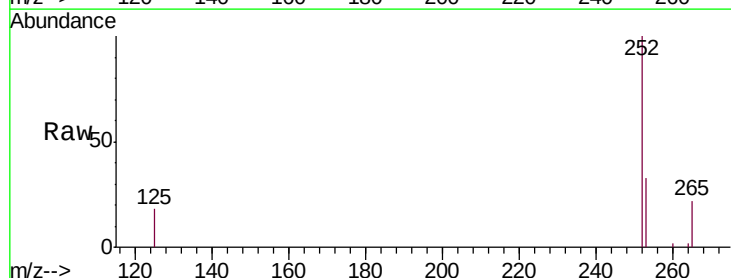
Tgt Ion:252 Resp: 7474

Ion Ratio Lower Upper

252 100

253 32.9 27.0 40.4

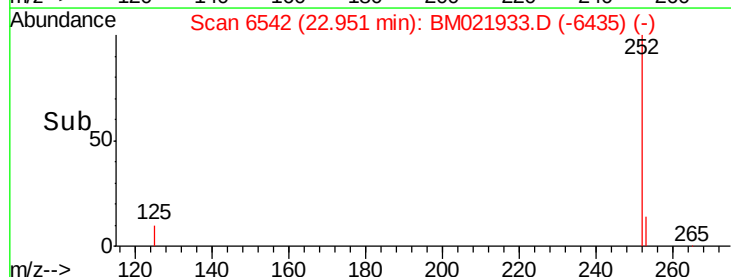
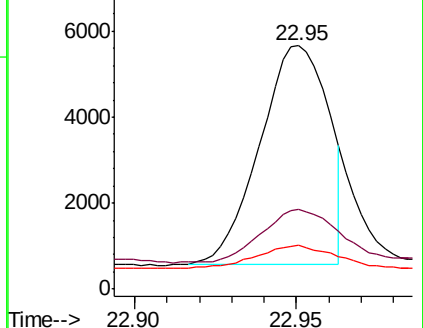
125 17.9 12.2 18.2

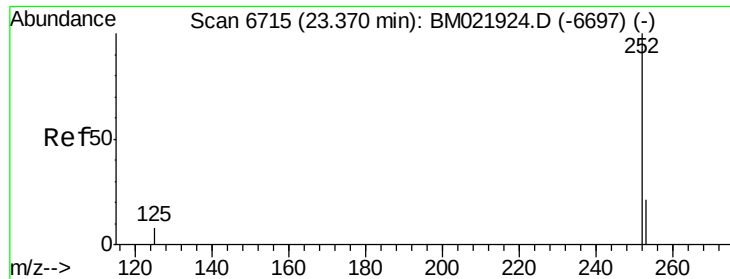


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.627 ng/ul

RT: 23.35 min Scan# 6706

Delta R.T. -0.02 min

Lab File: BM021933.D

Acq: 08 Aug 2019 15:03

Instrument :

BNA_M

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BENT6

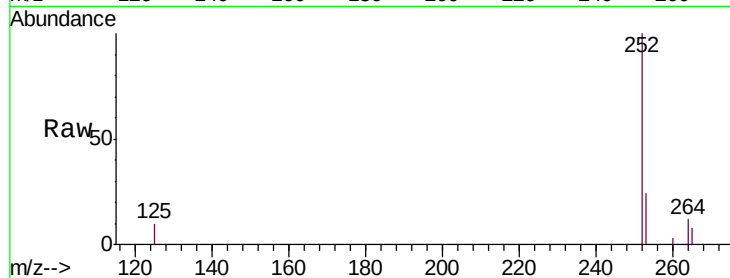
Tgt Ion:252 Resp: 42109

Ion Ratio Lower Upper

252 100

253 23.6 31.7 47.5#

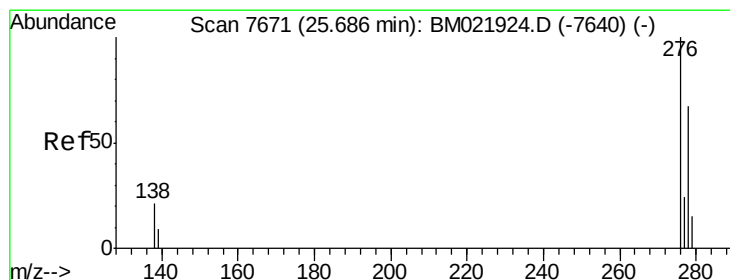
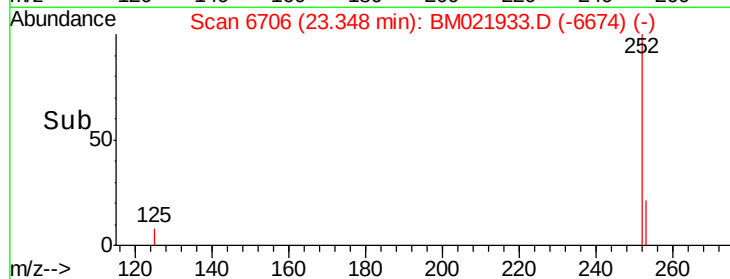
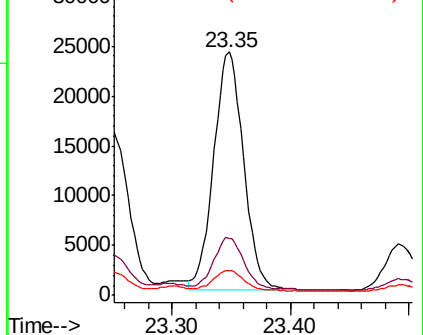
125 10.3 14.6 21.8#



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: 0.859 ng/ul

RT: 25.66 min Scan# 7659

Delta R.T. -0.03 min

Lab File: BM021933.D

Acq: 08 Aug 2019 15:03

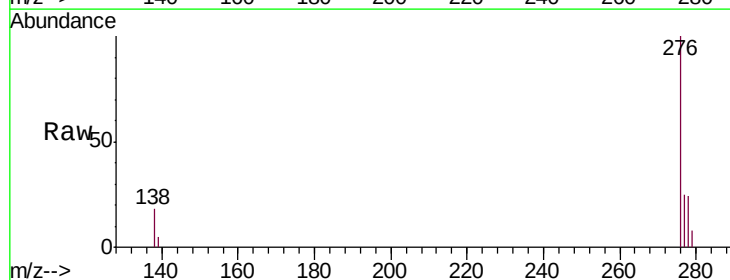
Tgt Ion:276 Resp: 26560

Ion Ratio Lower Upper

276 100

138 17.6 15.1 22.7

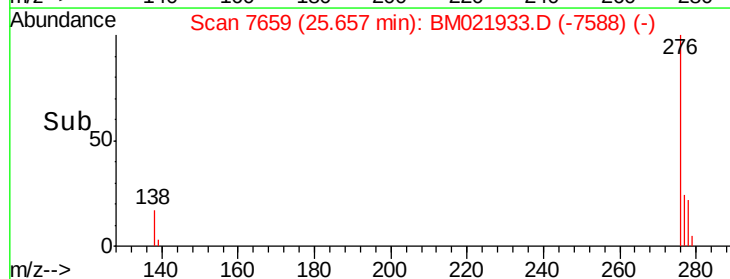
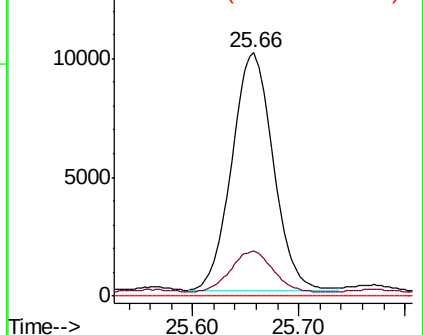
227 0.0 0.0 0.0

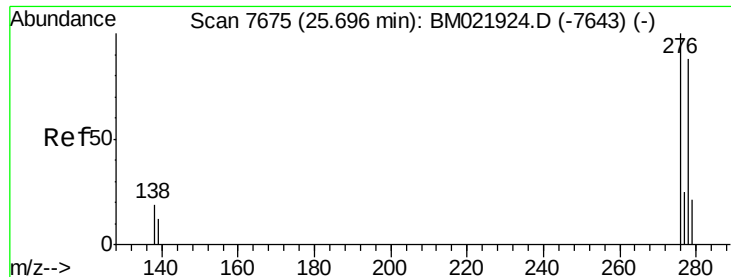


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

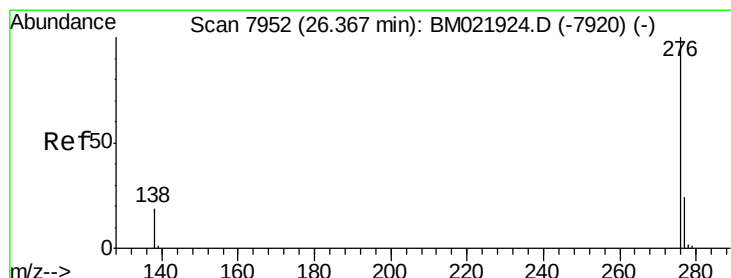
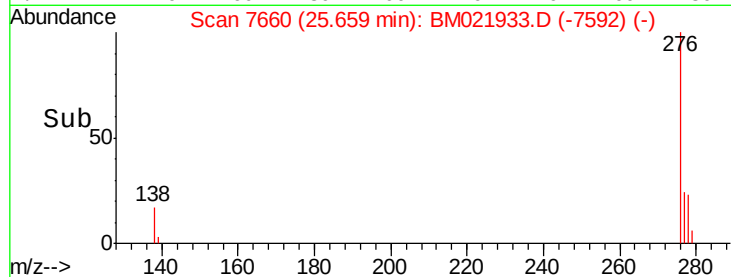
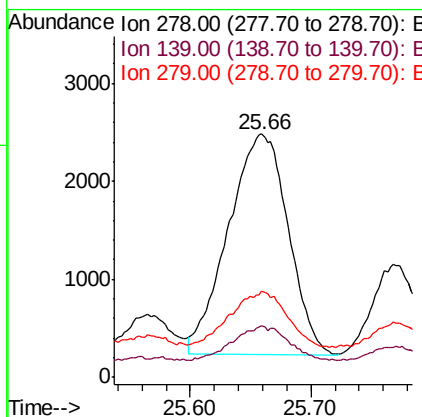
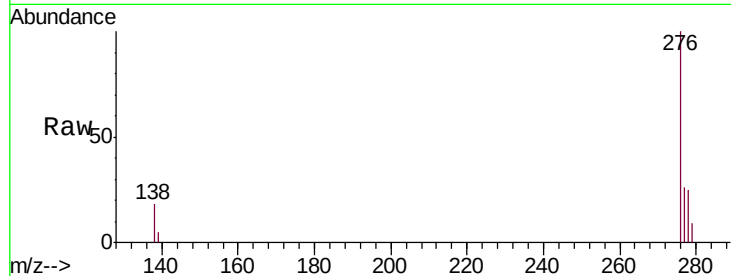




#25
Dibenzo(a,h)anthracene
Concen: 0.311 ng/ul
RT: 25.66 min Scan# 7660
Delta R.T. -0.04 min
Lab File: BM021933.D
Acq: 08 Aug 2019 15:03

Instrument :
BNA_M
ClientSampleId :
BENT6

Tgt Ion: 278 Resp: 7778
Ion Ratio Lower Upper
278 100
139 20.9 14.2 21.2
279 35.6 28.3 42.5



#26
Benzo(g,h,i)perylene
Concen: 0.776 ng/ul
RT: 26.34 min Scan# 7940
Delta R.T. -0.03 min
Lab File: BM021933.D
Acq: 08 Aug 2019 15:03

Tgt Ion: 276 Resp: 21598
Ion Ratio Lower Upper
276 100
138 19.1 15.5 23.3
277 25.5 21.4 32.2

