

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
 Data File : BM021954.D
 Acq On : 09 Aug 2019 05:03
 Operator : HP/JU
 Sample : K4028-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 09 05:57:11 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 01:29:50 2019
 Response via : Initial Calibration

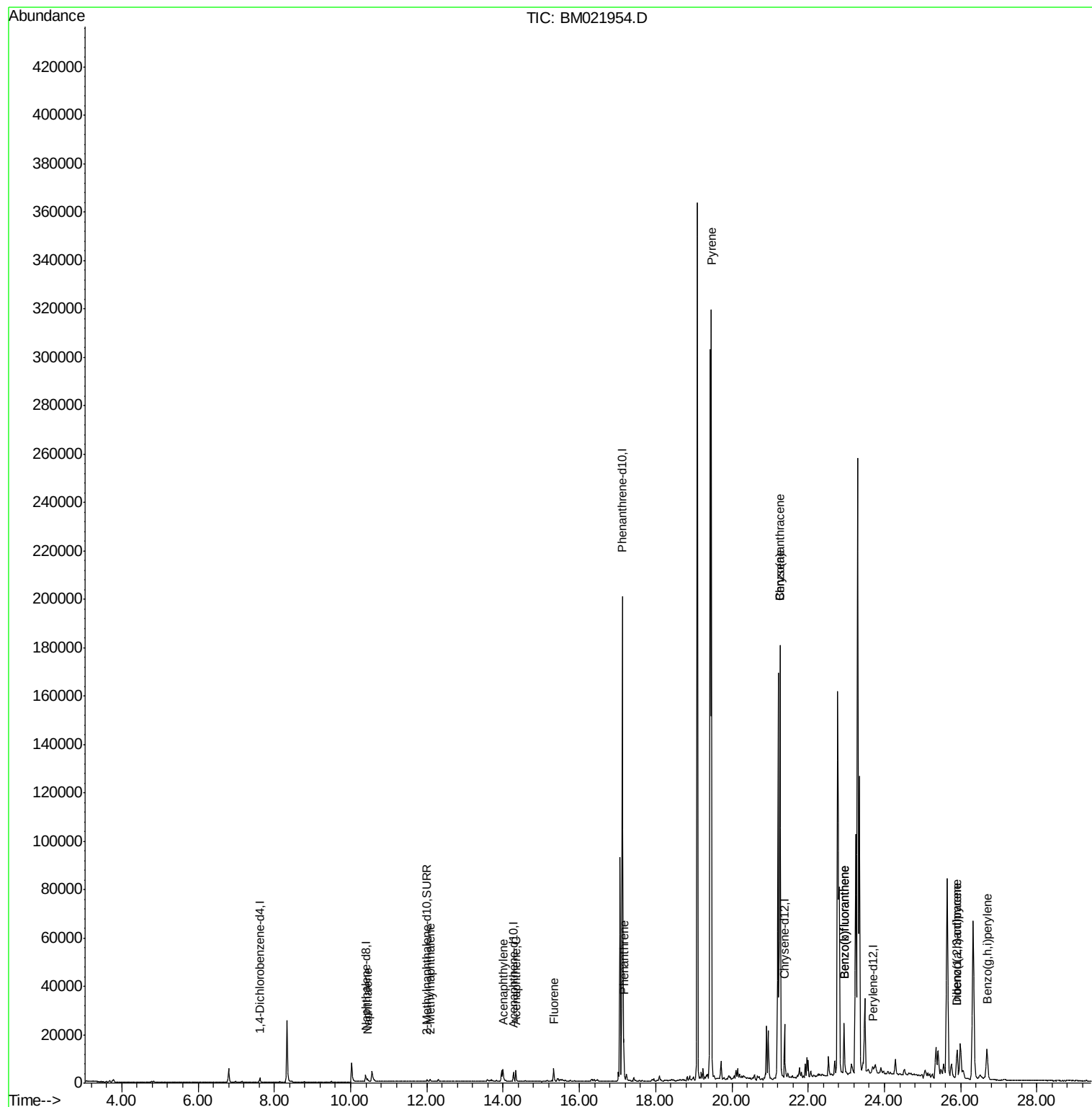
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	919	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	3792	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.27	164	2039	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.12	188	228698	0.40	ng/ul	0.08
16) Chrysene-d12	21.37	240	63	0.40	ng/ul	0.13
20) Perylene-d12	23.69	264	2128	0.40	ng/ul	0.23
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	1136	0.18	ng/ul	-0.01
14) Fluoranthene-d10	19.15	212	63	0.00	ng/ul	0.08
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	1768	0.165	ng/ul	99
5) 2-Methylnaphthalene	12.08	142	823	0.115	ng/ul	98
7) Acenaphthylene	13.99	152	5966	0.627	ng/ul#	83
8) Acenaphthene	14.33	153	2882	0.370	ng/ul	99
9) Fluorene	15.33	166	3556	0.411	ng/ul	99
12) Phenanthrene	17.16	178	16752	0.025	ng/ul	98
17) Pyrene	19.46	202	268870	1038.566	ng/ul	99
18) Benzo(a)anthracene	21.26	228	172473	765.367	ng/ul	97
19) Chrysene	21.26	228	172473	595.118	ng/ul	100
21) Benzo(b)fluoranthene	22.94	252	26562	3.702	ng/ul	94
22) Benzo(k)fluoranthene	22.94	252	26283	3.236	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	25.90	276	4771	0.548	ng/ul#	50
25) Dibenzo(a,h)anthracene	25.91	278	18133	2.575	ng/ul	91
26) Benzo(g,h,i)perylene	26.69	276	25655	3.270	ng/ul#	93

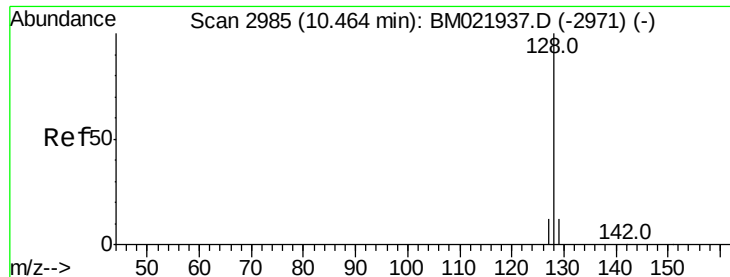
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.165 ng/ul

RT: 10.44 min Scan# 2980

Delta R.T. -0.02 min

Lab File: BM021954.D

Acq: 09 Aug 2019 05:03

Instrument :

BNA_M

ClientSampleId :

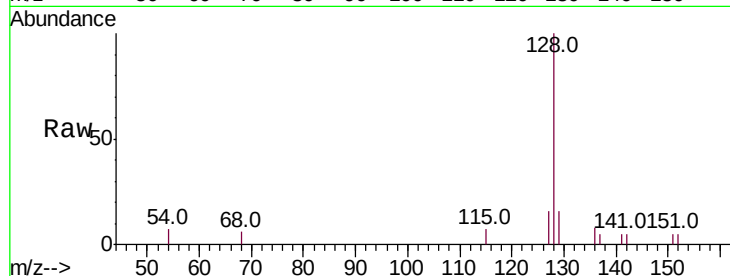
Tot Ion:128 Resp: 1768

Ion Ratio Lower Upper

128 100

129 15.7 12.3 18.5

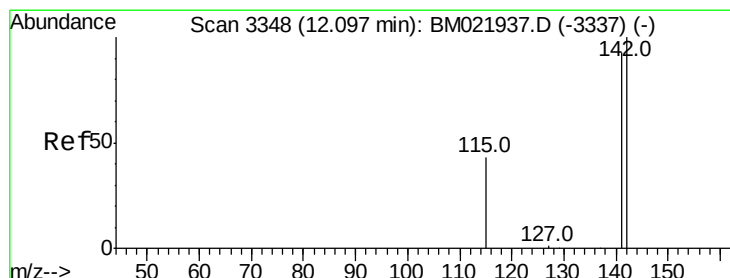
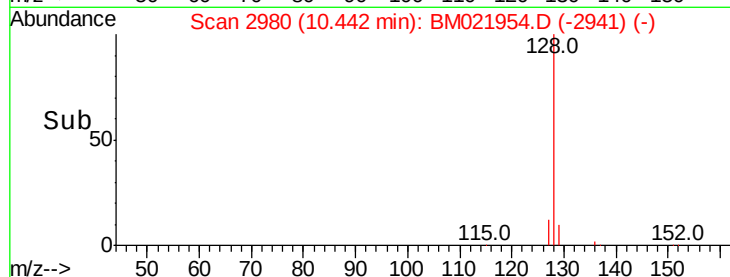
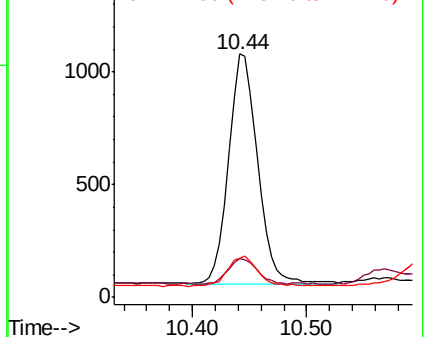
127 16.0 13.0 19.6



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: 0.115 ng/ul

RT: 12.08 min Scan# 3345

Delta R.T. -0.01 min

Lab File: BM021954.D

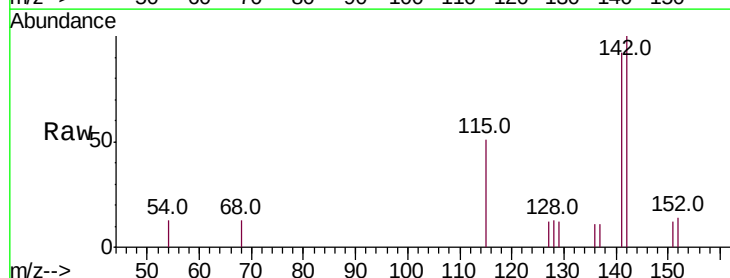
Acq: 09 Aug 2019 05:03

Tgt Ion:142 Resp: 823

Ion Ratio Lower Upper

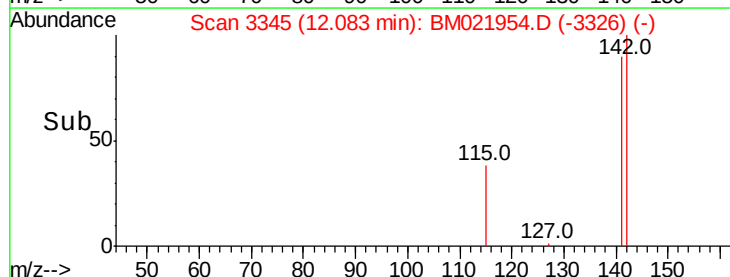
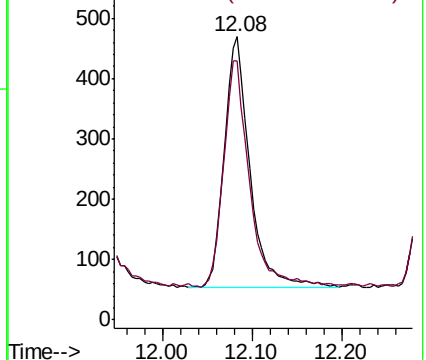
142 100

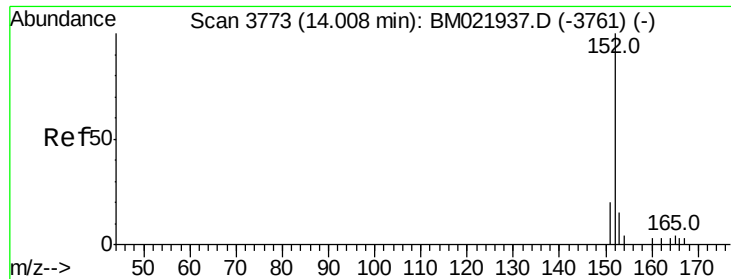
141 91.1 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.627 ng/ul

RT: 13.99 min Scan# 3770

Delta R.T. -0.01 min

Lab File: BM021954.D

Acq: 09 Aug 2019 05:03

Instrument :

BNA_M

ClientSampleId :

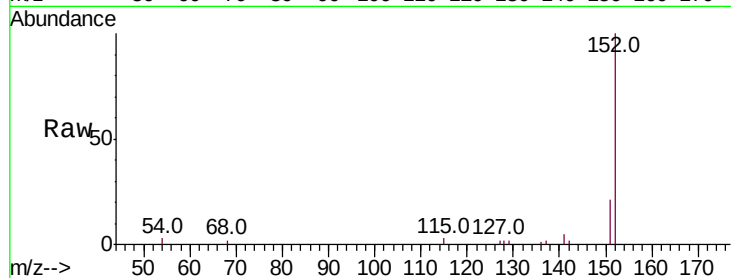
Tot Ion:152 Resp: 5966

Ion Ratio Lower Upper

152 100

151 21.5 18.3 27.5

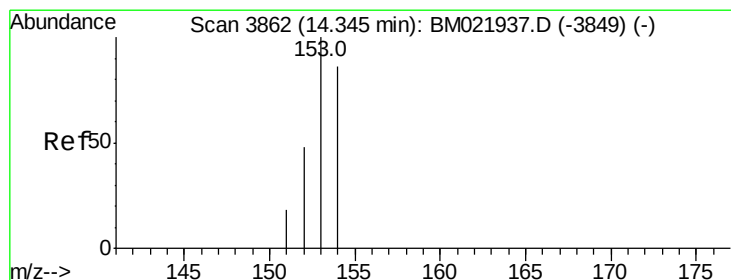
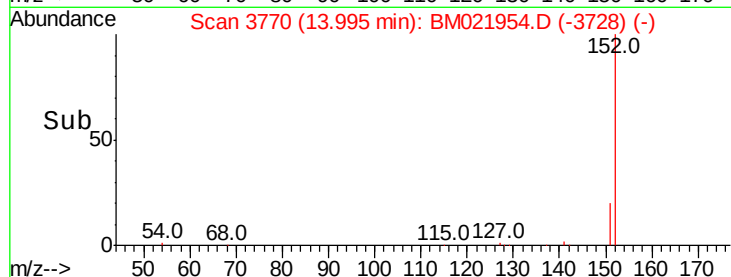
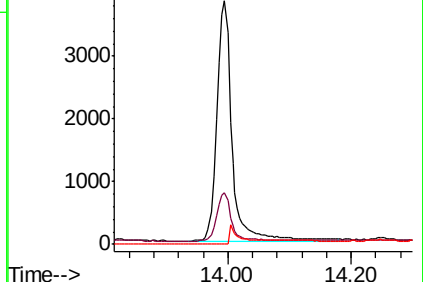
153 0.0 12.8 19.2#



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: 0.370 ng/ul

RT: 14.33 min Scan# 3859

Delta R.T. -0.01 min

Lab File: BM021954.D

Acq: 09 Aug 2019 05:03

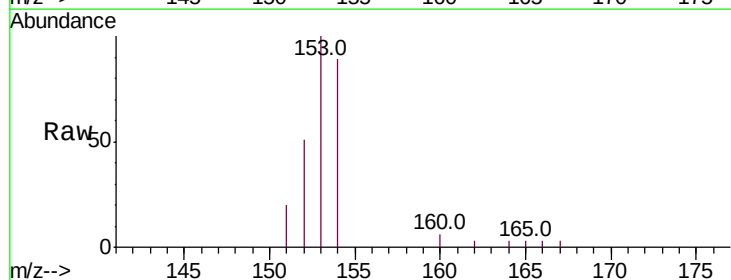
Tgt Ion:153 Resp: 2882

Ion Ratio Lower Upper

153 100

152 51.3 41.3 61.9

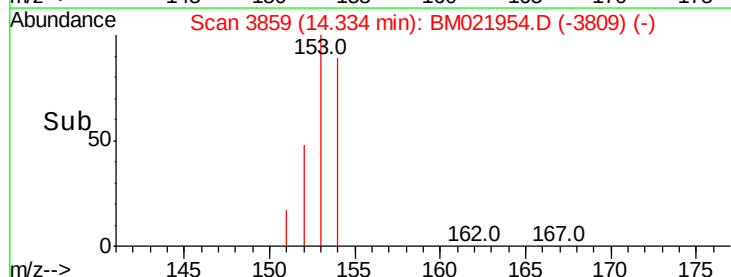
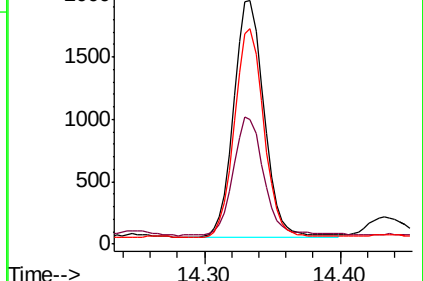
154 88.7 72.3 108.5

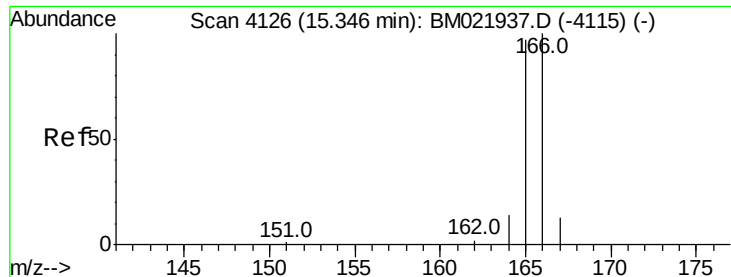


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.411 ng/ul

RT: 15.33 min Scan# 4121

Delta R.T. -0.02 min

Lab File: BM021954.D

Acq: 09 Aug 2019 05:03

Instrument :

BNA_M

ClientSampleId :

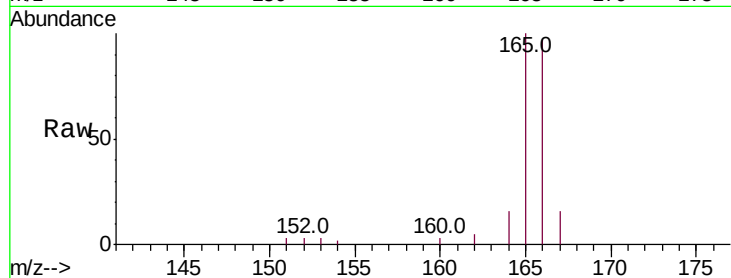
Tot Ion:166 Resp: 3556

Ion Ratio Lower Upper

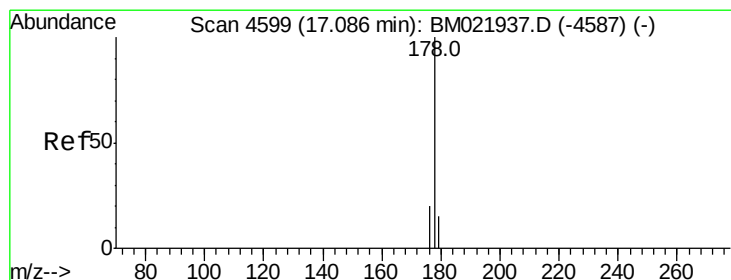
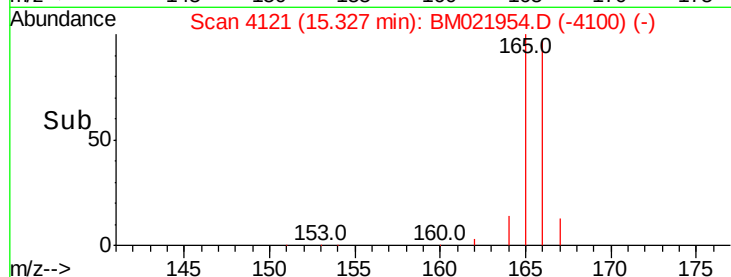
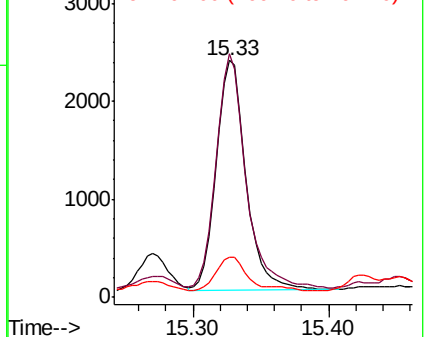
166 100

165 102.9 81.4 122.0

167 16.7 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: 17.16 min Scan# 4620

Delta R.T. 0.07 min

Lab File: BM021954.D

Acq: 09 Aug 2019 05:03

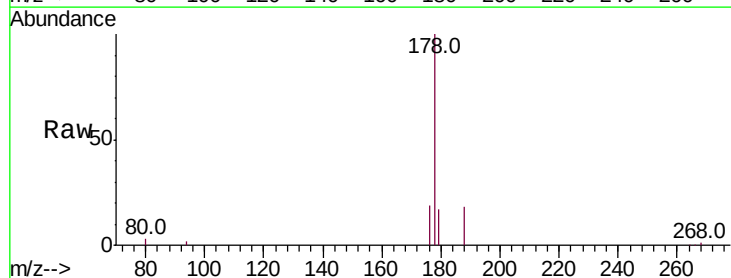
Tgt Ion:178 Resp: 16752

Ion Ratio Lower Upper

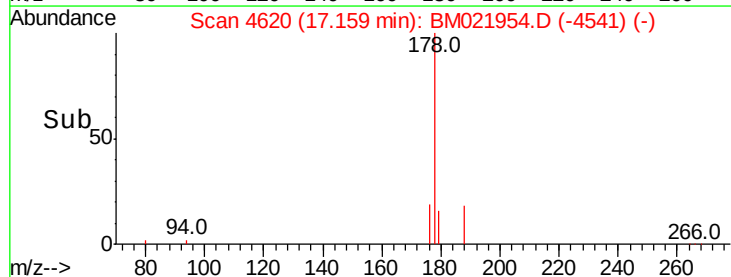
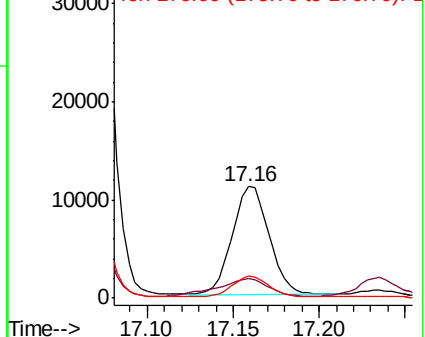
178 100

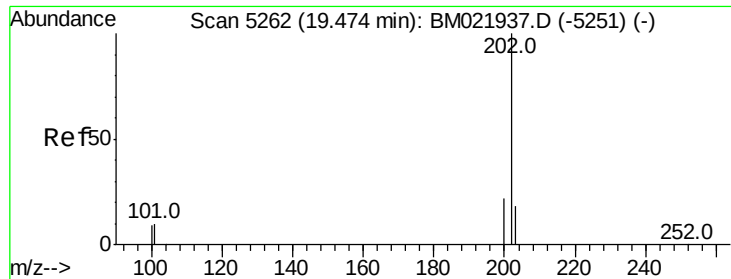
179 17.1 14.2 21.2

176 19.4 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

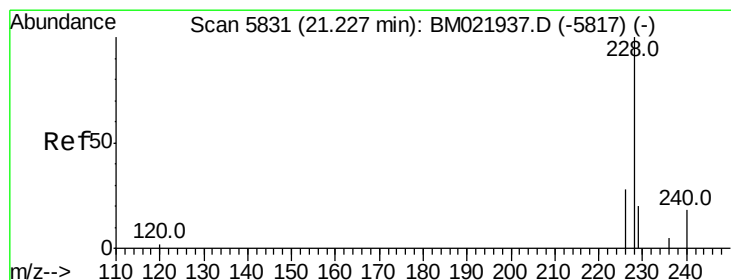
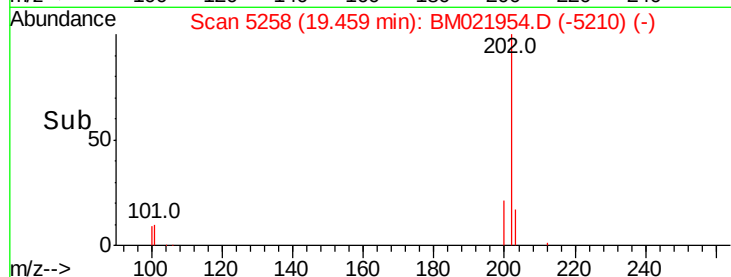
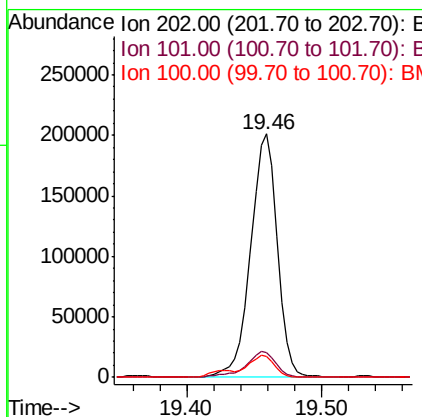
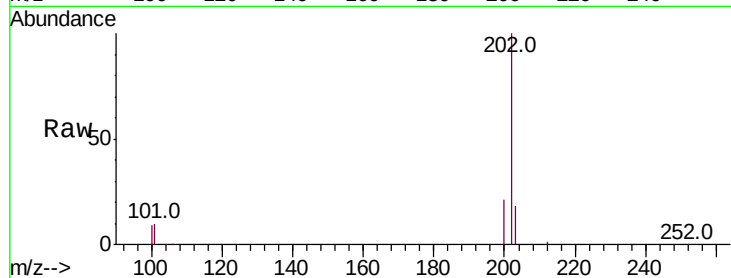




#17
Pvrene
Concen: 1038.566 ng/ul
RT: 19.46 min Scan# 5258
Delta R.T. -0.02 min
Lab File: BM021954.D
Acq: 09 Aug 2019 05:03

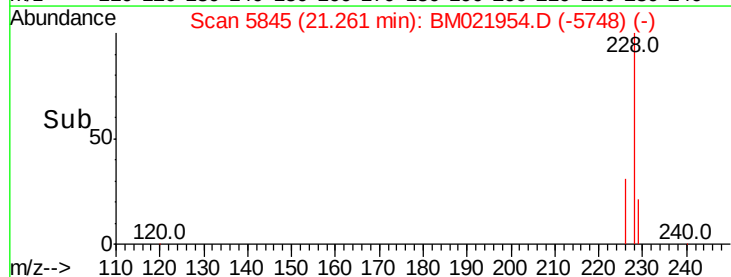
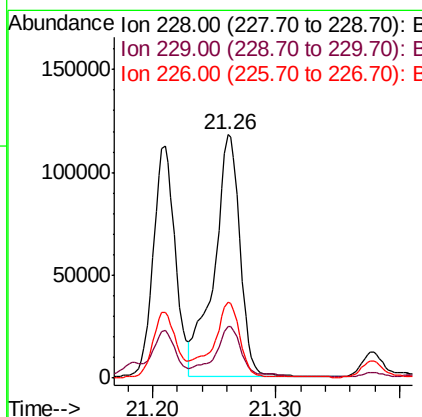
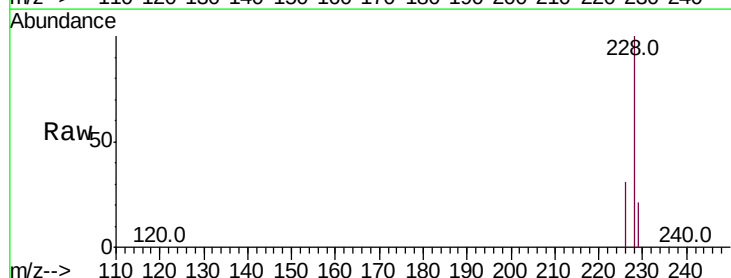
Instrument :
BNA_M
ClientSampleId :

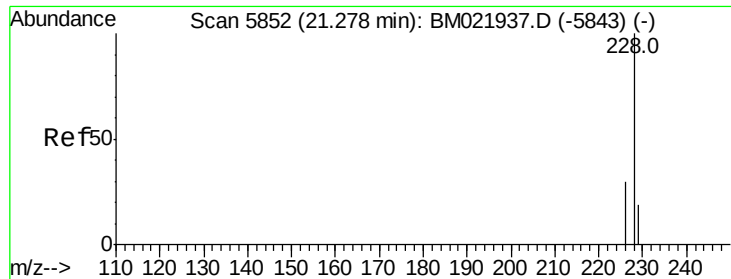
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.3	12.5
100	8.6	7.2	10.8



#18
Benzo(a)anthracene
Concen: 765.367 ng/ul
RT: 21.26 min Scan# 5845
Delta R.T. 0.03 min
Lab File: BM021954.D
Acq: 09 Aug 2019 05:03

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.1	17.2	25.8
226	31.1	22.6	34.0





#19

Chrysene

Concen: 595.118 ng/ul

RT: 21.26 min Scan# 5845

Delta R.T. -0.02 min

Lab File: BM021954.D

Acq: 09 Aug 2019 05:03

Instrument :

BNA_M

ClientSampleId :

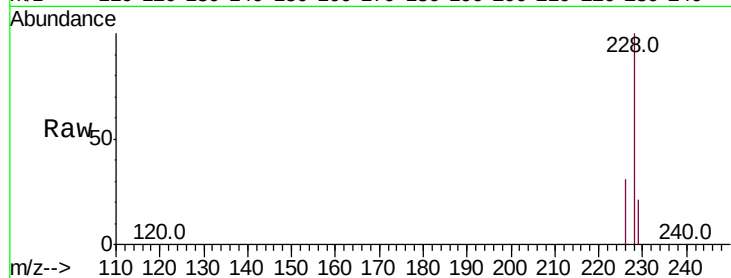
Tot Ion:228 Resp: 172473

Ion Ratio Lower Upper

228 100

226 31.1 24.9 37.3

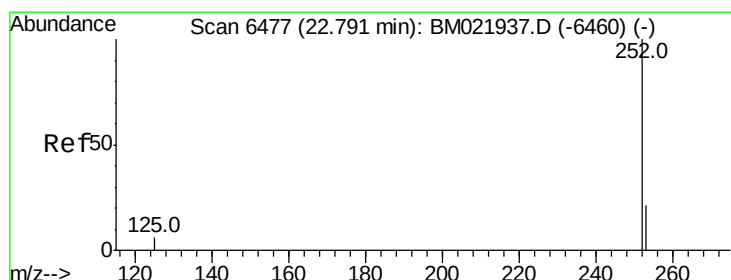
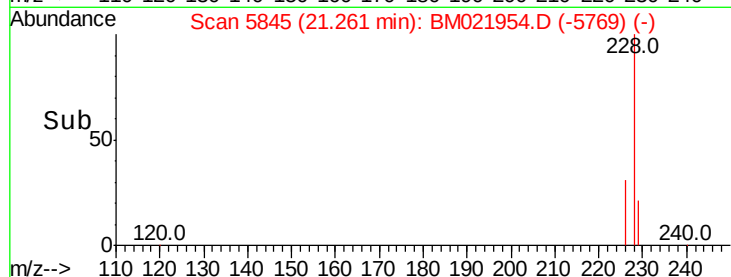
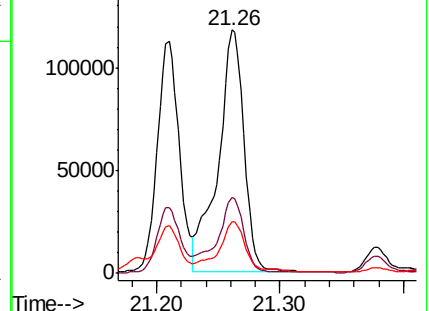
229 21.1 16.6 25.0



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: 3.702 ng/ul

RT: 22.94 min Scan# 6539

Delta R.T. 0.15 min

Lab File: BM021954.D

Acq: 09 Aug 2019 05:03

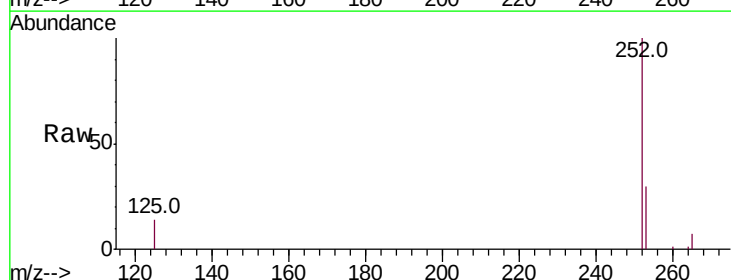
Tgt Ion:252 Resp: 26562

Ion Ratio Lower Upper

252 100

253 30.1 0.0 67.4

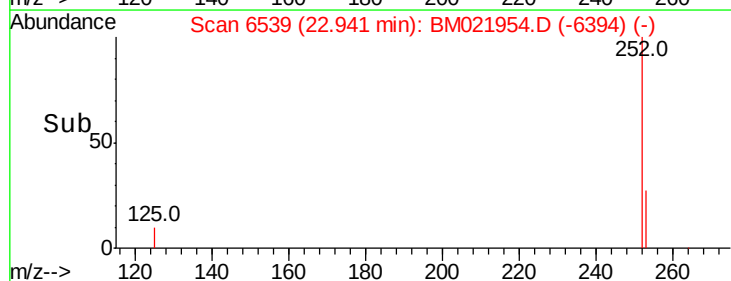
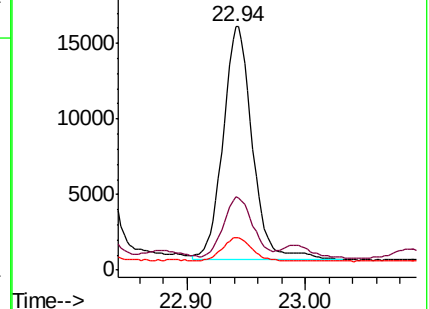
125 13.5 0.0 31.0

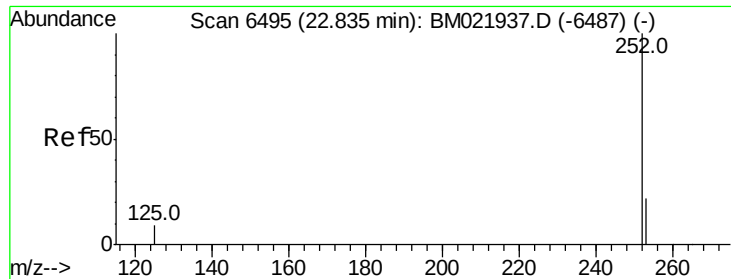


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 3.236 ng/ul

RT: 22.94 min Scan# 6539

Delta R.T. 0.11 min

Lab File: BM021954.D

Acq: 09 Aug 2019 05:03

Instrument :

BNA_M

ClientSampleId :

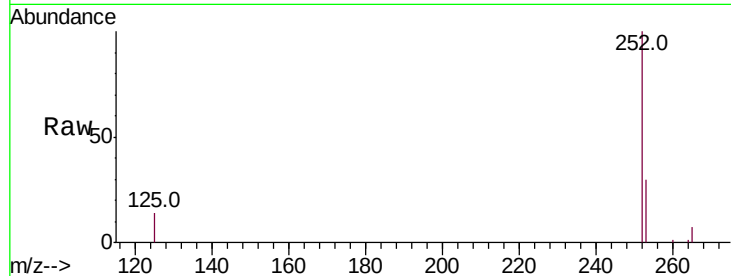
Tot Ion:252 Resp: 26283

Ion Ratio Lower Upper

252 100

253 30.1 27.0 40.4

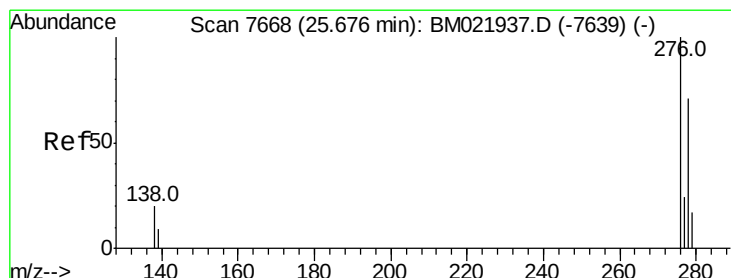
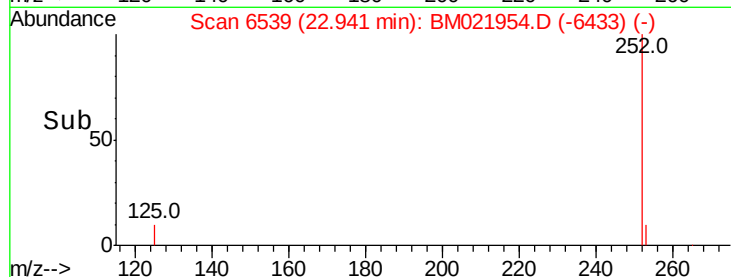
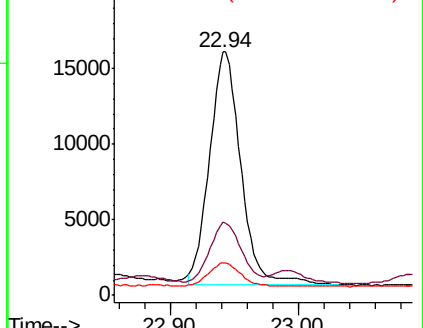
125 13.5 12.2 18.2



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: 0.548 ng/ul

RT: 25.90 min Scan# 7762

Delta R.T. 0.23 min

Lab File: BM021954.D

Acq: 09 Aug 2019 05:03

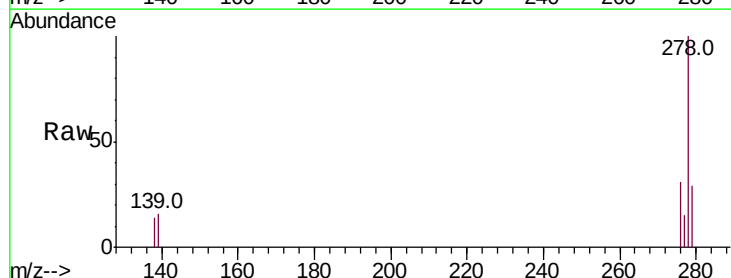
Tgt Ion:276 Resp: 4771

Ion Ratio Lower Upper

276 100

138 41.6 15.1 22.7#

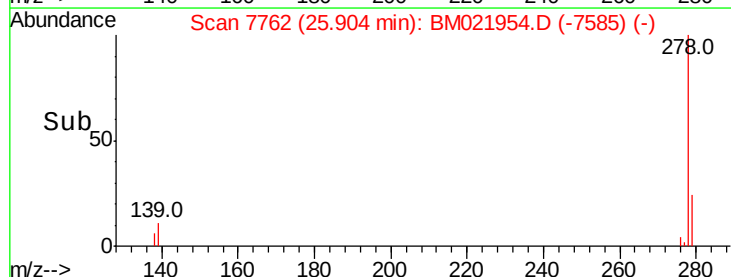
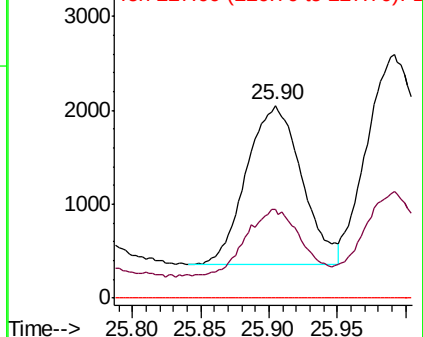
227 0.0 0.0 0.0

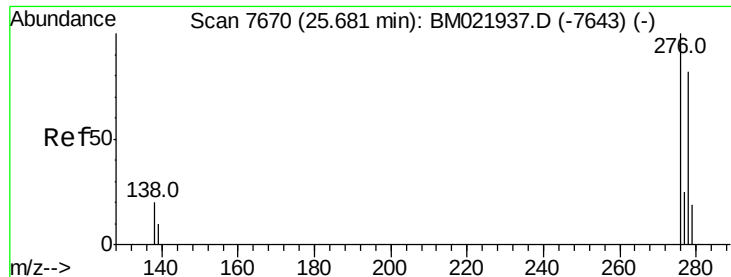


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



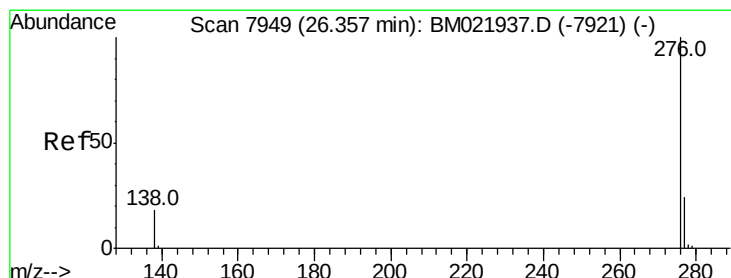
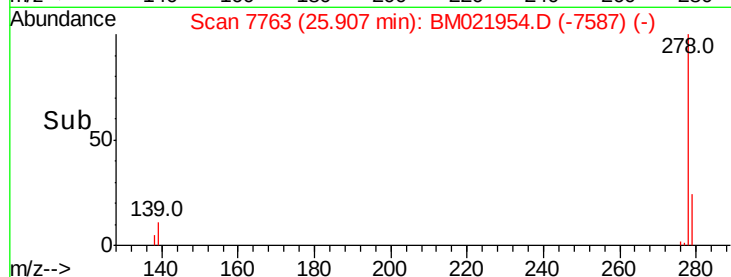
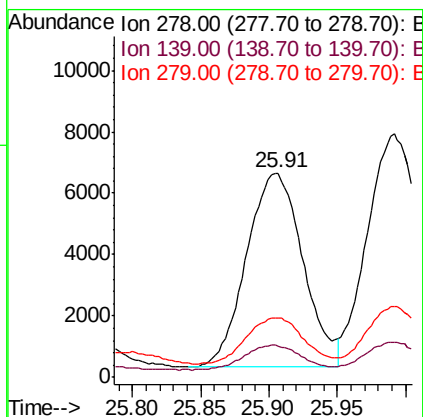
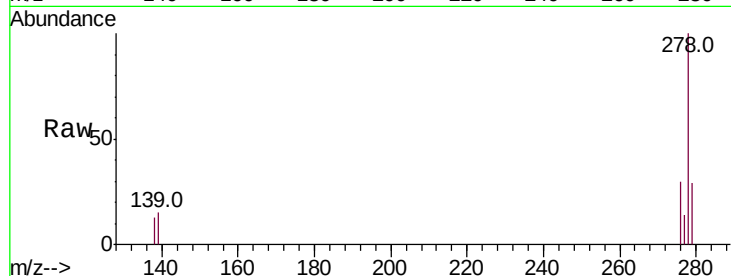


#25

Dibenzo(a,h)anthracene
 Concen: 2.575 ng/ul
 RT: 25.91 min Scan# 7763
 Delta R.T. 0.23 min
 Lab File: BM021954.D
 Acq: 09 Aug 2019 05:03

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:278 Resp: 18133
 Ion Ratio Lower Upper
 278 100
 139 15.3 14.2 21.2
 279 29.1 28.3 42.5



#26

Benzo(g,h,i)perylene
 Concen: 3.270 ng/ul
 RT: 26.69 min Scan# 8086
 Delta R.T. 0.33 min
 Lab File: BM021954.D
 Acq: 09 Aug 2019 05:03

Tgt Ion:276 Resp: 25655
 Ion Ratio Lower Upper
 276 100
 138 20.1 15.5 23.3
 277 32.8 21.4 32.2#

