

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
 Data File : BM021958.D
 Acq On : 09 Aug 2019 07:29
 Operator : HP/JU
 Sample : K4029-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 09 09:21:47 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	1066	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	4713	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.27	164	2602	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.13	188	279102	0.40	ng/ul	0.08
16) Chrysene-d12	21.37	240	33	0.40	ng/ul	0.13
20) Perylene-d12	23.69	264	471	0.40	ng/ul	0.23

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1415	0.18	ng/ul	-0.02
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	

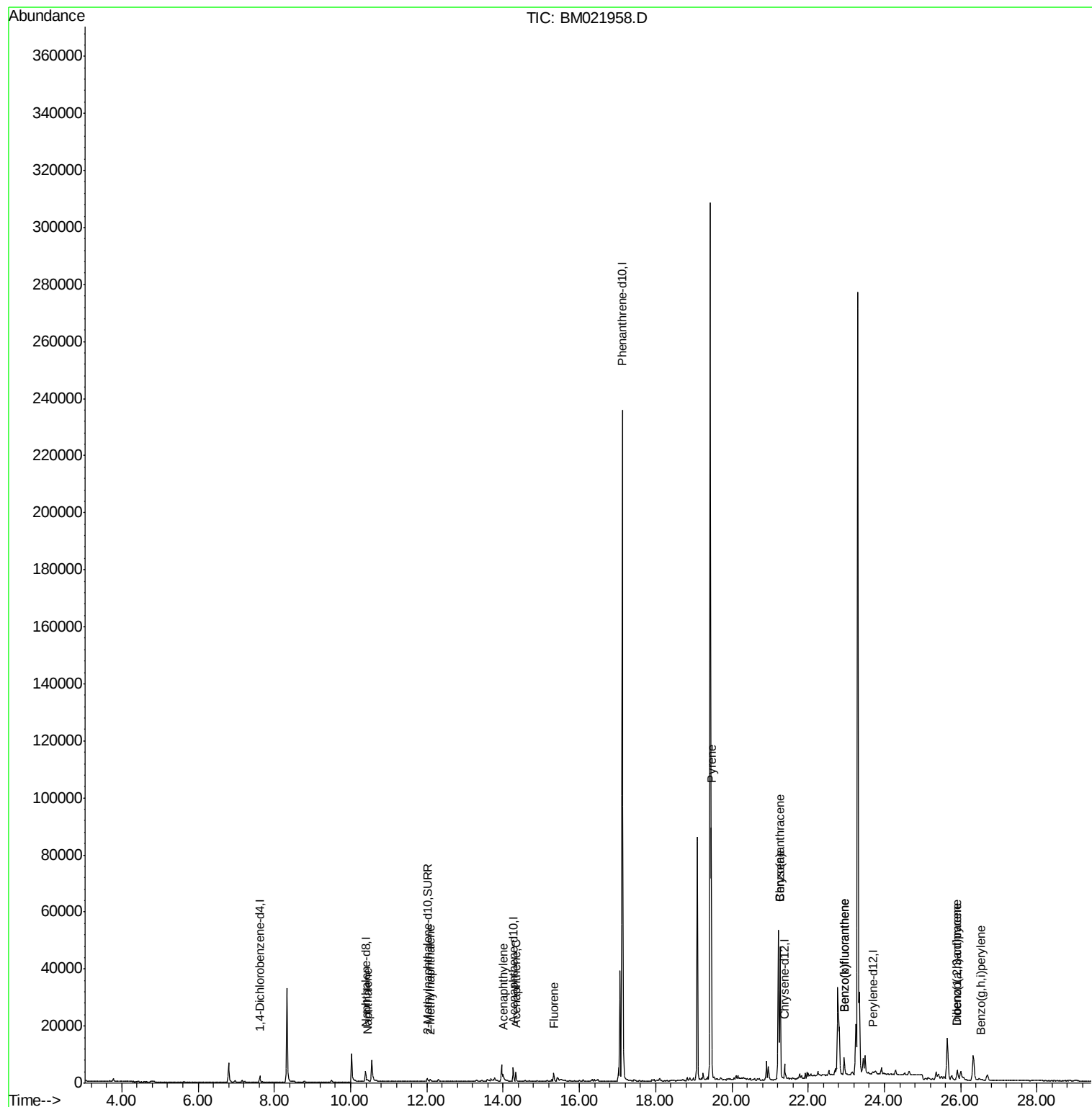
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	917	0.069	ng/ul#	88
5) 2-Methylnaphthalene	12.08	142	537	0.061	ng/ul	99
7) Acenaphthylene	13.99	152	2722	0.224	ng/ul#	84
8) Acenaphthene	14.33	153	1852	0.187	ng/ul	97
9) Fluorene	15.33	166	1872	0.170	ng/ul	98
17) Pyrene	19.46	202	73986	545.592	ng/ul	99
18) Benzo(a)anthracene	21.27	228	44798	379.519	ng/ul	97
19) Chrysene	21.27	228	44356	292.187	ng/ul	99
21) Benzo(b)fluoranthene	22.95	252	8431	5.308	ng/ul	99
22) Benzo(k)fluoranthene	22.95	252	8371	4.657	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.91	276	1376	0.713	ng/ul#	46
25) Dibenzo(a,h)anthracene	25.91	278	5269	3.380	ng/ul	99
26) Benzo(g,h,i)perylene	26.55	276	550	0.317	ng/ul#	23

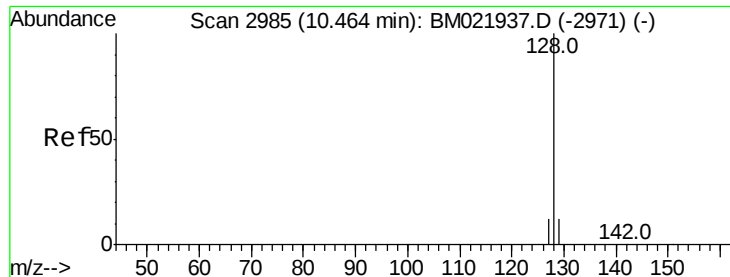
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.069 ng/ul

RT: 10.44 min Scan# 2980

Delta R.T. -0.02 min

Lab File: BM021958.D

Acq: 09 Aug 2019 07:29

Instrument :

BNA_M

ClientSampleId :

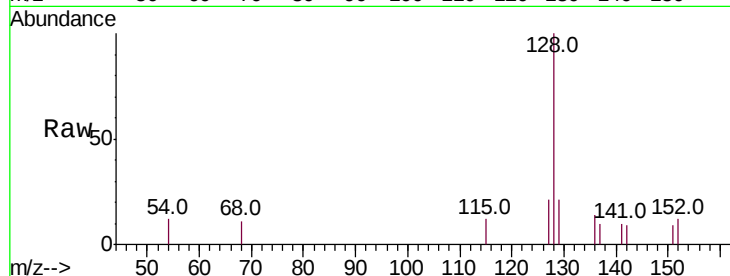
Tot Ion:128 Resp: 917

Ion Ratio Lower Upper

128 100

129 20.6 12.3 18.5#

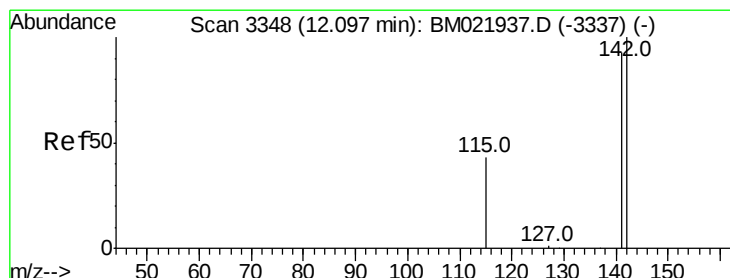
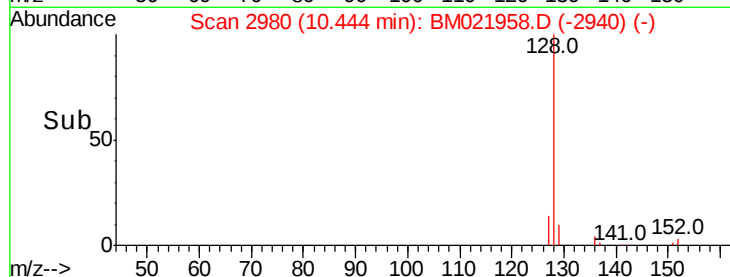
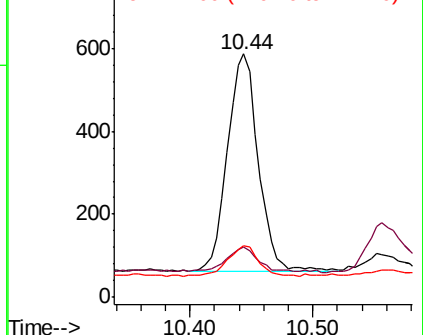
127 21.1 13.0 19.6#



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: 0.061 ng/ul

RT: 12.08 min Scan# 3344

Delta R.T. -0.02 min

Lab File: BM021958.D

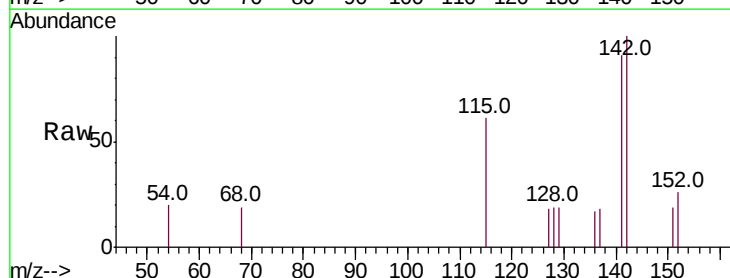
Acq: 09 Aug 2019 07:29

Tgt Ion:142 Resp: 537

Ion Ratio Lower Upper

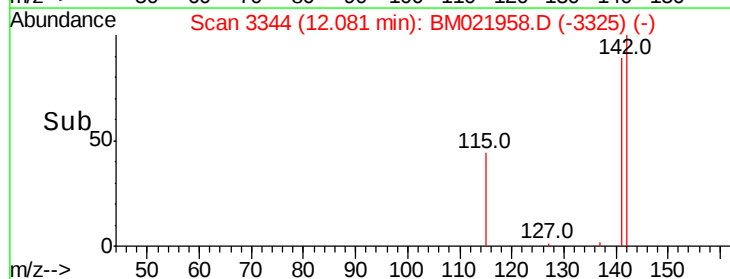
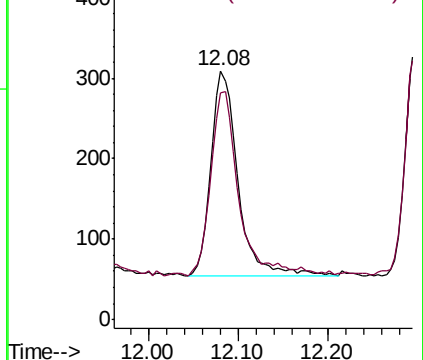
142 100

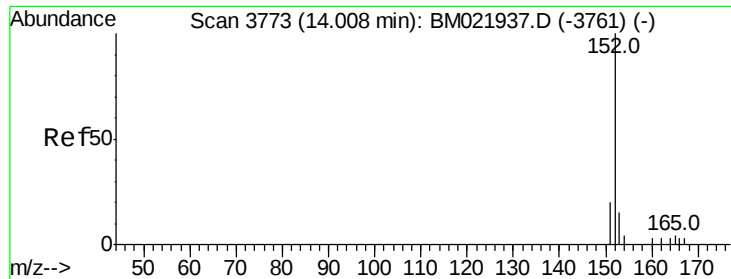
141 91.6 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.224 ng/ul

RT: 13.99 min Scan# 3769

Delta R.T. -0.02 min

Lab File: BM021958.D

Acq: 09 Aug 2019 07:29

Instrument :

BNA_M

ClientSampleId :

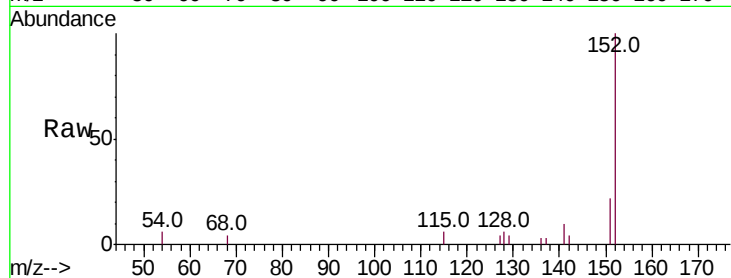
Tot Ion:152 Resp: 2722

Ion Ratio Lower Upper

152 100

151 22.3 18.3 27.5

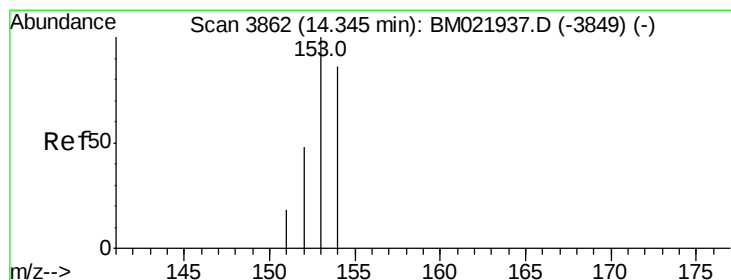
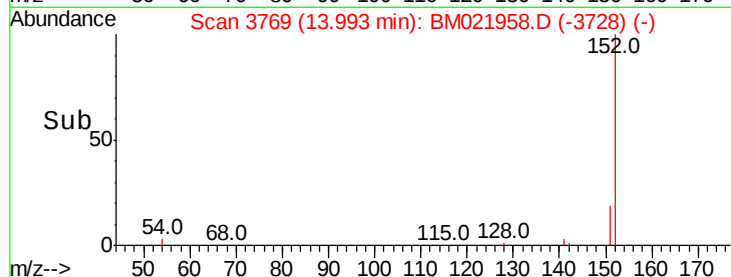
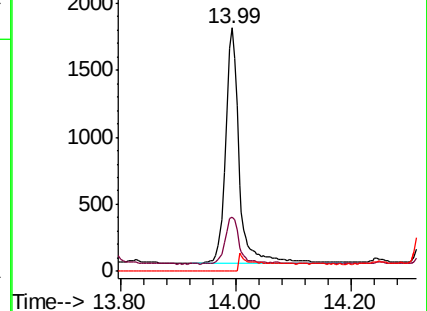
153 0.0 12.8 19.2#



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: 0.187 ng/ul

RT: 14.33 min Scan# 3858

Delta R.T. -0.01 min

Lab File: BM021958.D

Acq: 09 Aug 2019 07:29

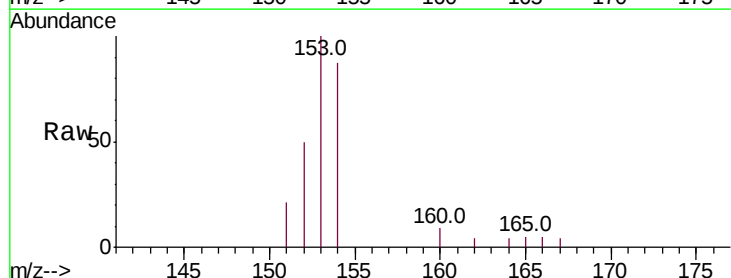
Tgt Ion:153 Resp: 1852

Ion Ratio Lower Upper

153 100

152 50.0 41.3 61.9

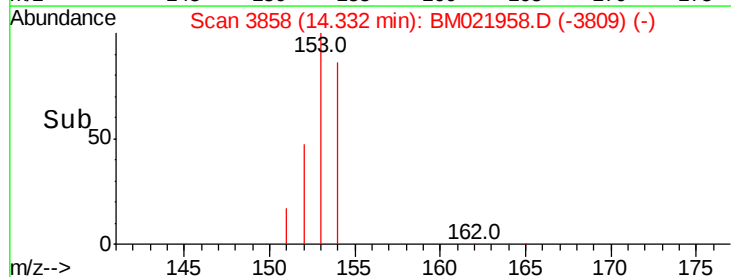
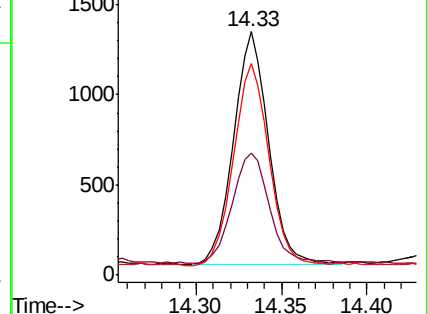
154 86.7 72.3 108.5

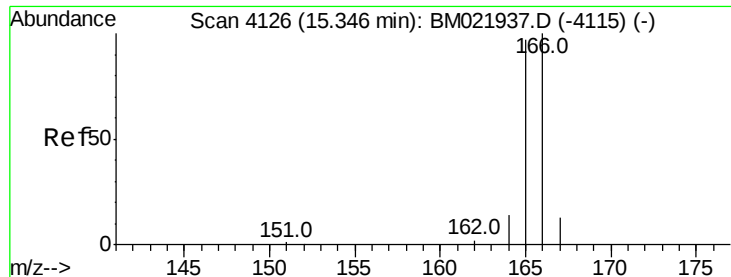


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

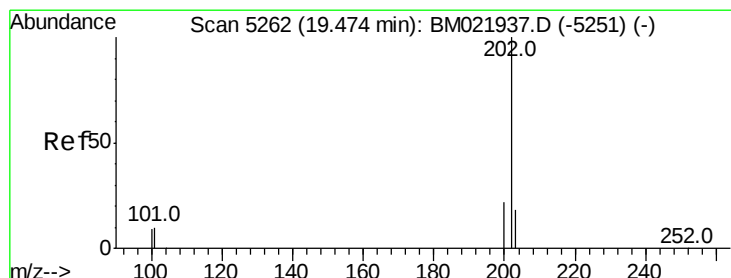
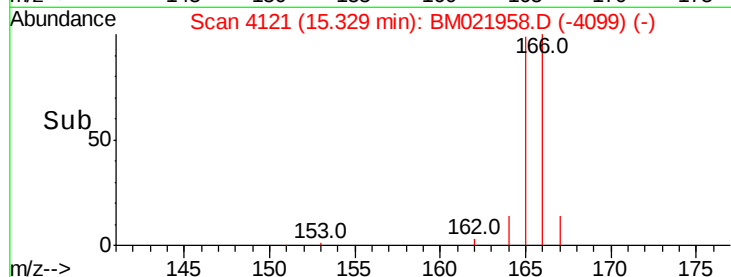
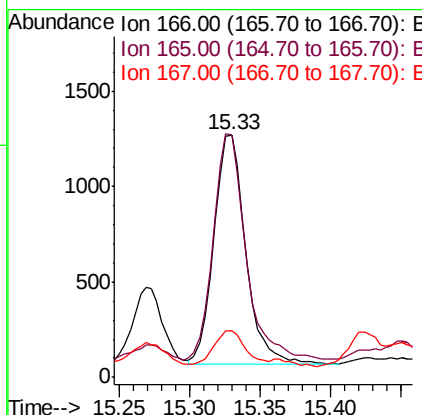
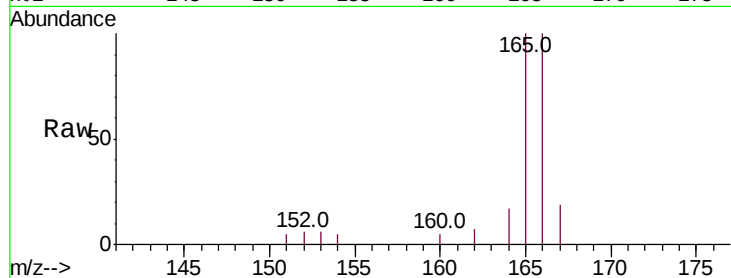




#9
Fluorene
 Concen: 0.170 ng/ul
 RT: 15.33 min Scan# 4121
 Delta R.T. -0.02 min
 Lab File: BM021958.D
 Acq: 09 Aug 2019 07:29

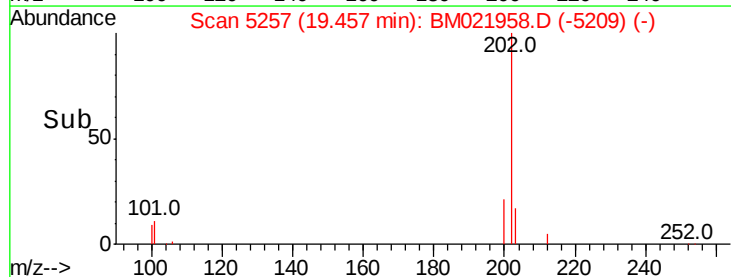
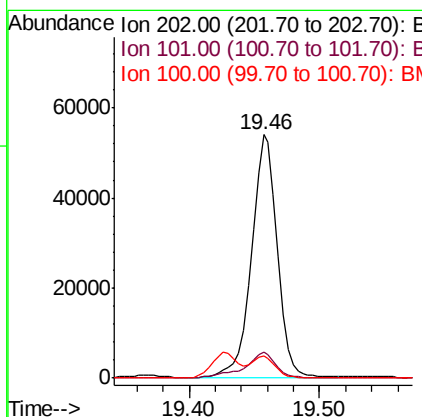
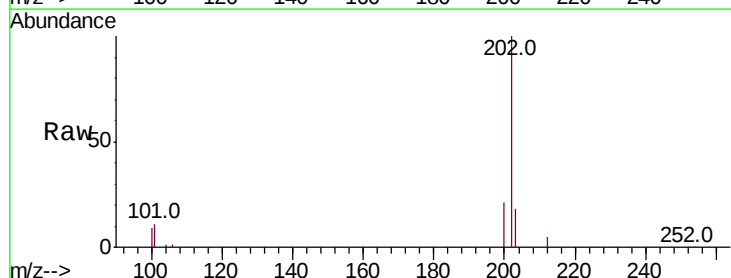
Instrument :
 BNA_M
 ClientSampleId :

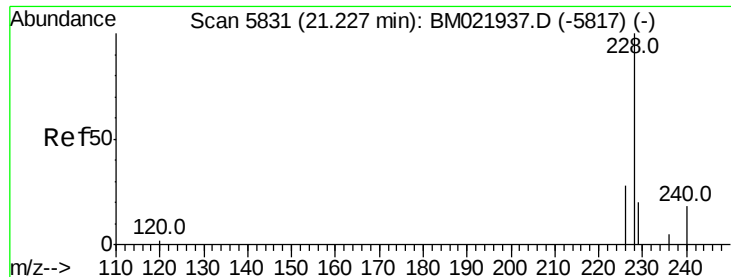
Tot Ion:166 Resp: 1872
 Ion Ratio Lower Upper
 166 100
 165 99.9 81.4 122.0
 167 19.0 13.7 20.5



#17
Pyrene
 Concen: 545.592 ng/ul
 RT: 19.46 min Scan# 5257
 Delta R.T. -0.02 min
 Lab File: BM021958.D
 Acq: 09 Aug 2019 07:29

Tgt Ion:202 Resp: 73986
 Ion Ratio Lower Upper
 202 100
 101 10.9 8.3 12.5
 100 9.2 7.2 10.8





#18

Benzo(a)anthracene

Concen: 379.519 ng/ul

RT: 21.27 min Scan# 5846

Delta R.T. 0.04 min

Lab File: BM021958.D

Acq: 09 Aug 2019 07:29

Instrument :

BNA_M

ClientSampleId :

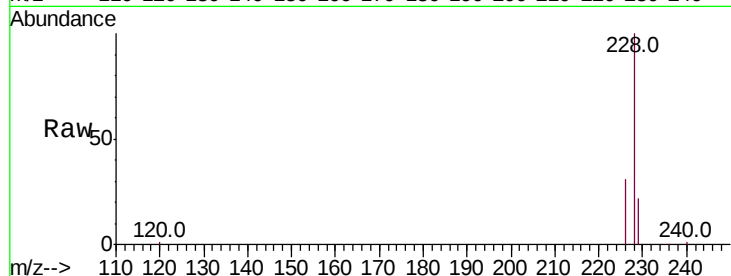
Tot Ion:228 Resp: 44798

Ion Ratio Lower Upper

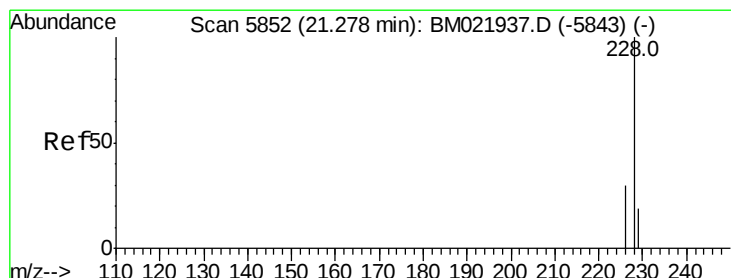
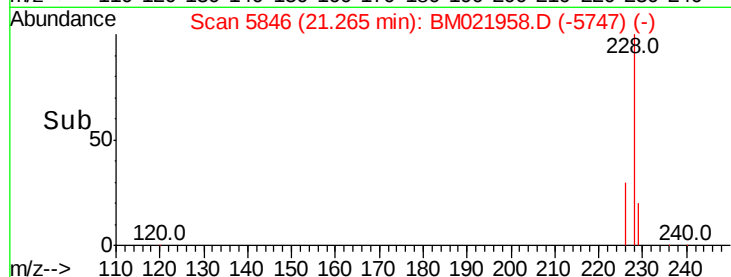
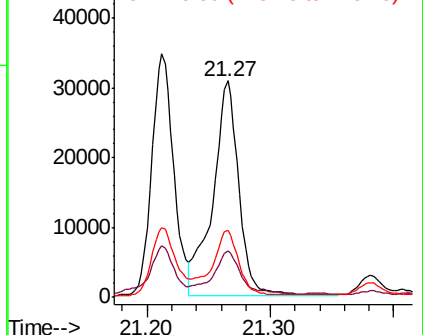
228 100

229 21.6 17.2 25.8

226 31.1 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: 292.187 ng/ul

RT: 21.27 min Scan# 5846

Delta R.T. -0.01 min

Lab File: BM021958.D

Acq: 09 Aug 2019 07:29

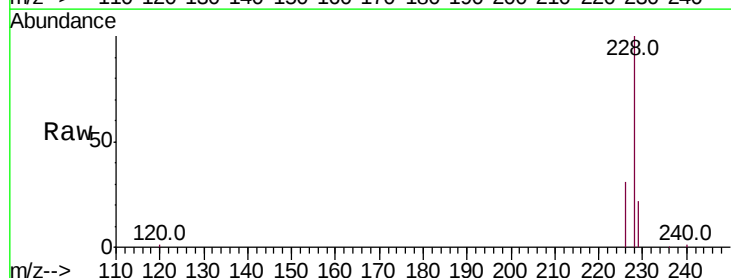
Tgt Ion:228 Resp: 44356

Ion Ratio Lower Upper

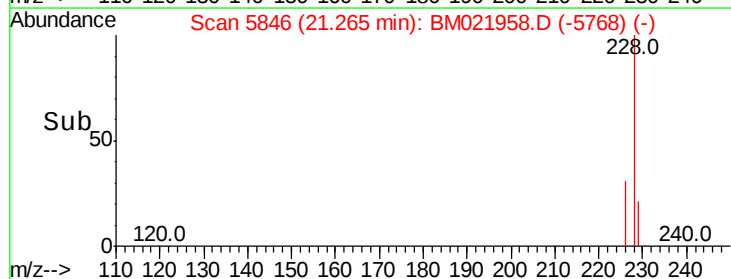
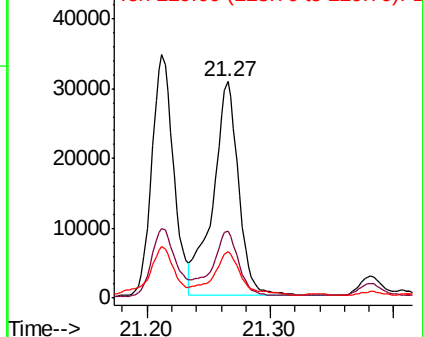
228 100

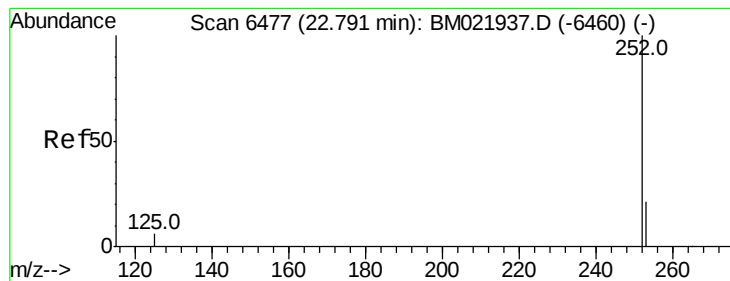
226 31.1 24.9 37.3

229 21.6 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: 5.308 ng/u1

RT: 22.95 min Scan# 6540

Delta R.T. 0.15 min

Lab File: BM021958.D

Acq: 09 Aug 2019 07:29

Instrument :

BNA_M

ClientSampleId :

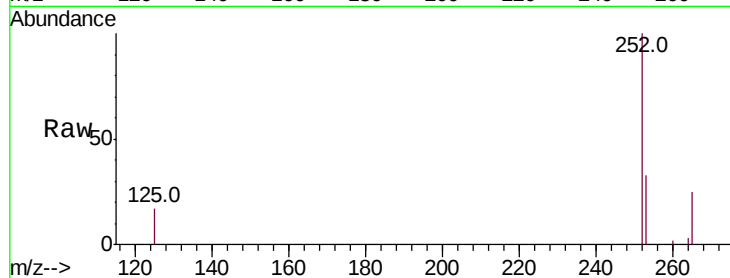
Tot Ion:252 Resp: 8431

Ion Ratio Lower Upper

252 100

253 33.4 0.0 67.4

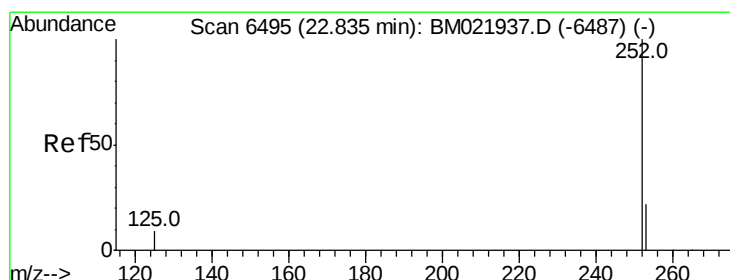
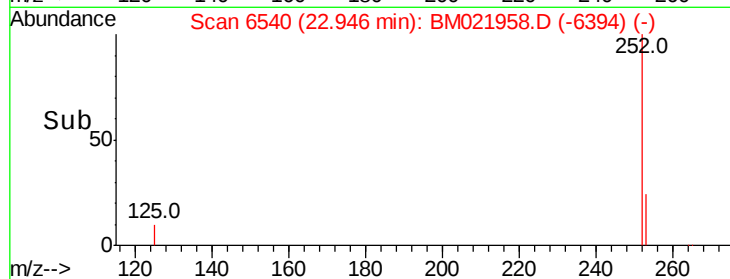
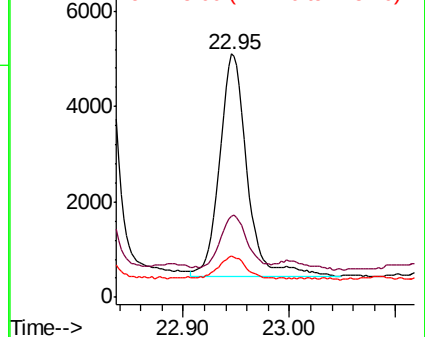
125 17.0 0.0 31.0



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: 4.657 ng/u1

RT: 22.95 min Scan# 6540

Delta R.T. 0.11 min

Lab File: BM021958.D

Acq: 09 Aug 2019 07:29

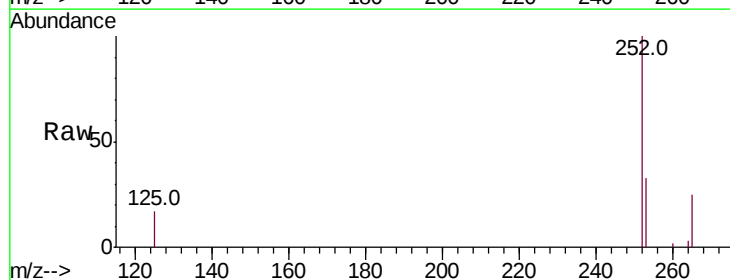
Tgt Ion:252 Resp: 8371

Ion Ratio Lower Upper

252 100

253 33.4 27.0 40.4

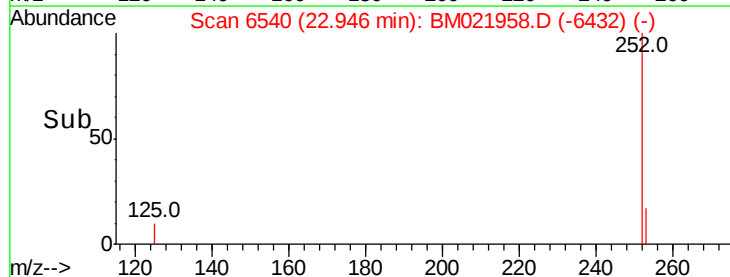
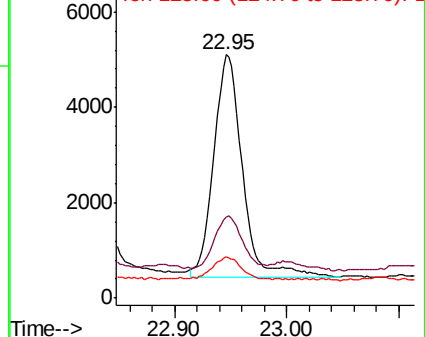
125 17.0 12.2 18.2

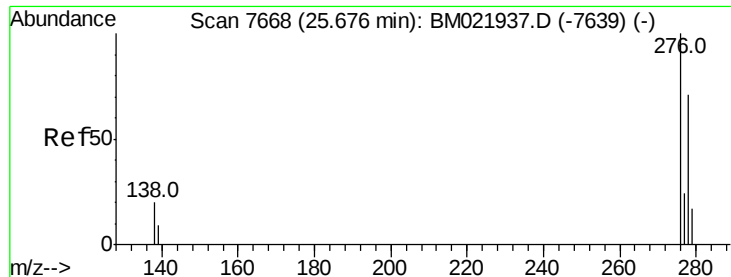


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



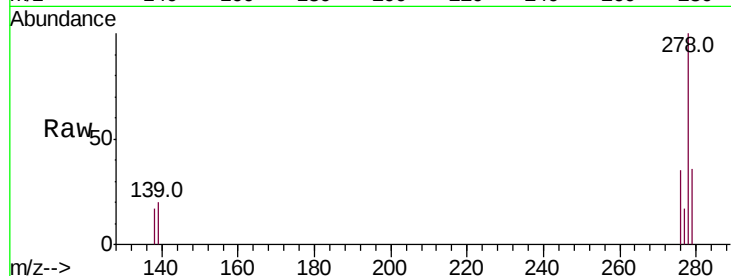


#24

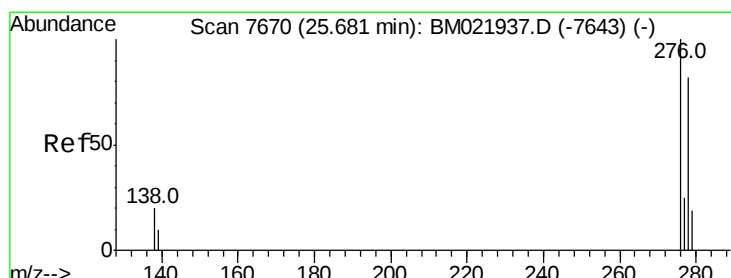
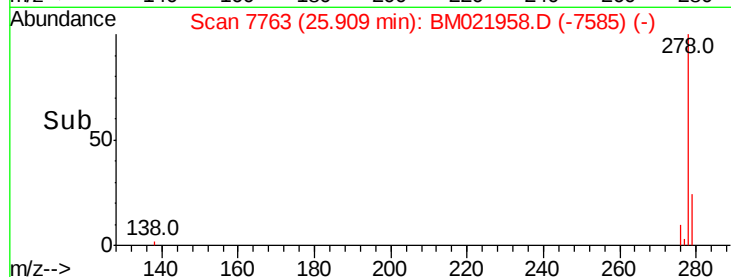
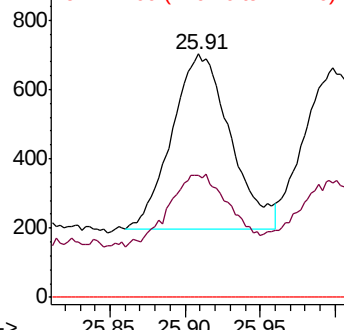
Indeno(1,2,3-cd)pyrene
Concen: 0.713 ng/ul
RT: 25.91 min Scan# 7763
Delta R.T. 0.23 min
Lab File: BM021958.D
Acq: 09 Aug 2019 07:29

Instrument :
BNA_M
ClientSampleId :

Tot Ion:276 Resp: 1376
Ion Ratio Lower Upper
276 100
138 43.2 15.1 22.7#
227 0.0 0.0 0.0



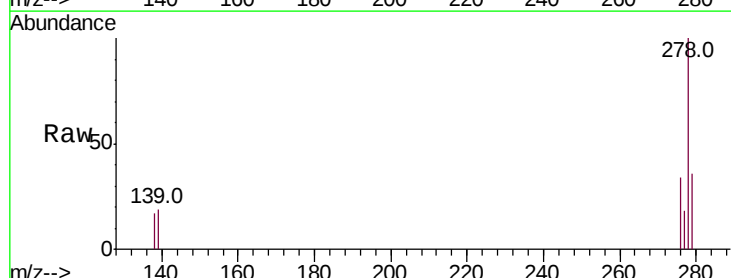
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



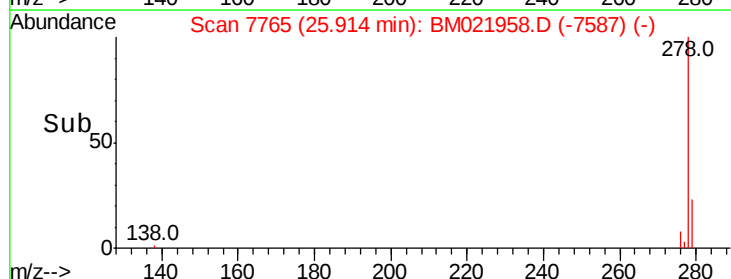
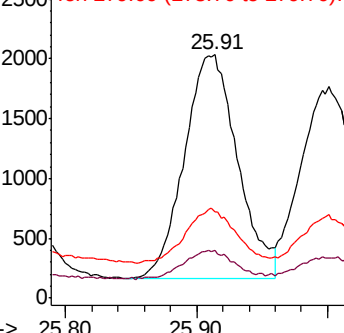
#25

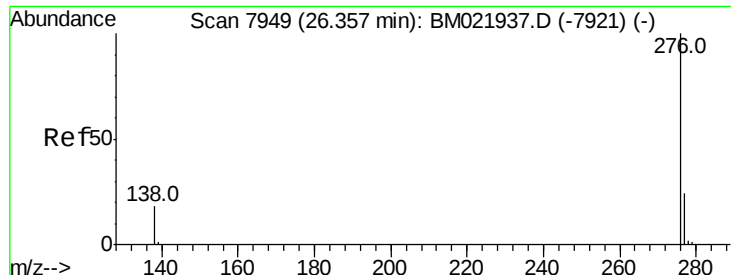
Dibenzo(a,h)anthracene
Concen: 3.380 ng/ul
RT: 25.91 min Scan# 7765
Delta R.T. 0.23 min
Lab File: BM021958.D
Acq: 09 Aug 2019 07:29

Tgt Ion:278 Resp: 5269
Ion Ratio Lower Upper
278 100
139 19.5 14.2 21.2
279 35.5 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(a,h,i)perylene

Concen: 0.317 ng/ul

RT: 26.55 min Scan# 8026

Delta R.T. 0.19 min

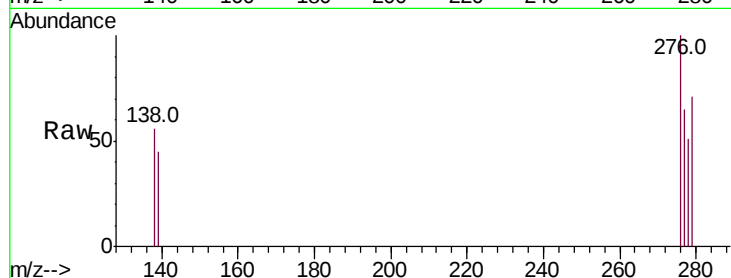
Lab File: BM021958.D

Acq: 09 Aug 2019 07:29

Instrument :

BNA_M

ClientSampleId :



Tot Ion:276 Resp: 550

Ion Ratio Lower Upper

276 100

138 55.9 15.5 23.3#

277 65.1 21.4 32.2#

