

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021967.D
 Acq On : 09 Aug 2019 12:58
 Operator : HP/JU
 Sample : K4029-18DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 10 05:22:24 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	828	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	3600	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.27	164	1970	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	4271	0.40	ng/ul	-0.01
16) Chrysene-d12	21.23	240	4122	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	5514	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.03	152	1311	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	2810	0.20	ng/ul	-0.01

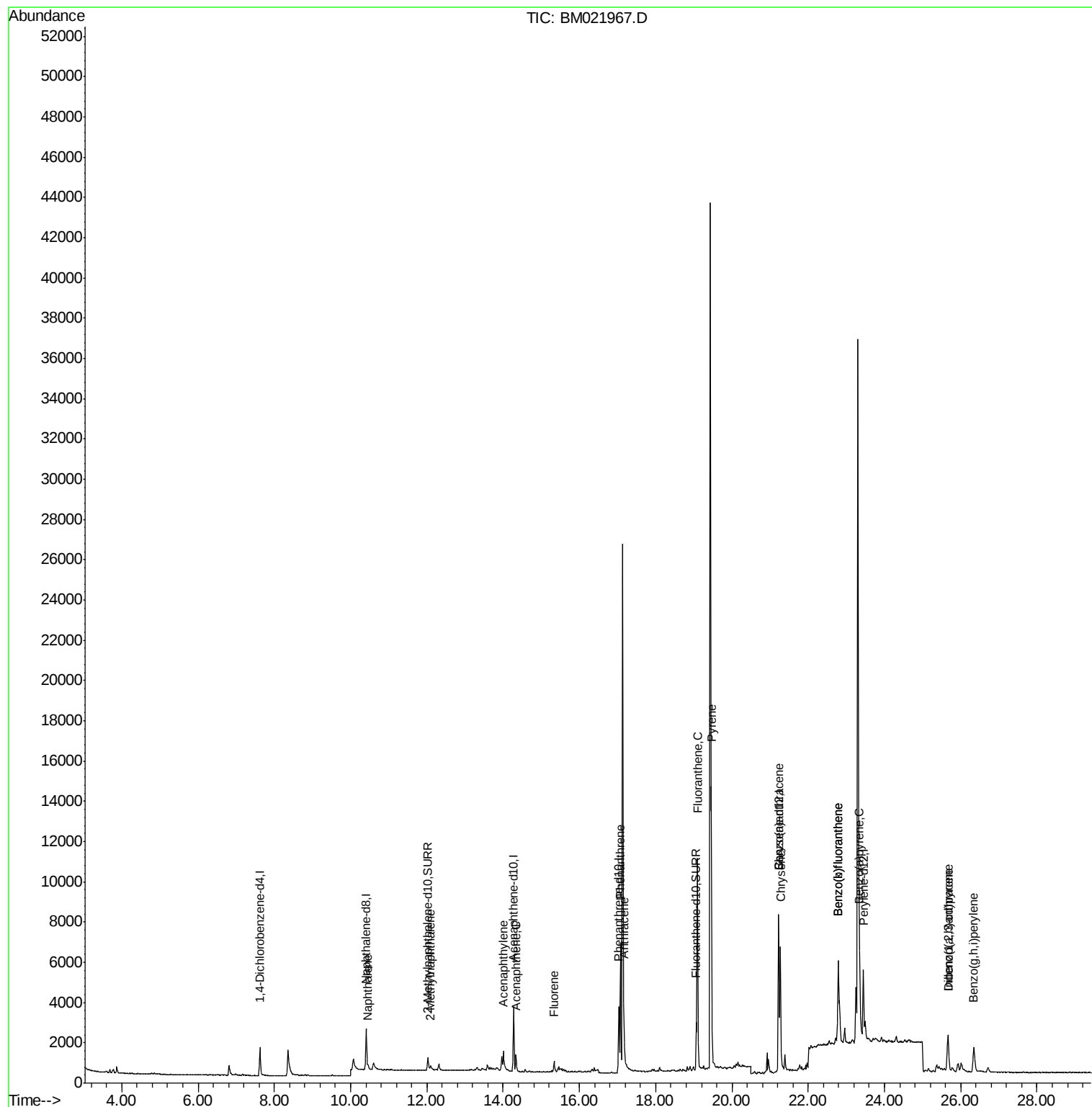
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.46	128	255	0.025	ng/ul#	48
5) 2-Methylnaphthalene	12.10	142	205	0.030	ng/ul	99
7) Acenaphthylene	14.00	152	383	0.042	ng/ul#	69
8) Acenaphthene	14.34	153	506	0.067	ng/ul	93
9) Fluorene	15.33	166	430	0.052	ng/ul#	94
12) Phenanthrene	17.07	178	7509	0.604	ng/ul	98
13) Anthracene	17.17	178	1498	0.141	ng/ul#	90
15) Fluoranthene	19.10	202	9830	0.590	ng/ul	99
17) Pyrene	19.46	202	12519	0.739	ng/ul	96
18) Benzo(a)anthracene	21.22	228	6622	0.449	ng/ul	99
19) Chrysene	21.27	228	6392	0.337	ng/ul	97
21) Benzo(b)fluoranthene	22.78	252	9386	0.505	ng/ul	96
22) Benzo(k)fluoranthene	22.78	252	9386	0.446	ng/ul	96
23) Benzo(a)pyrene	23.35	252	5119	0.271	ng/ul	91
24) Indeno(1,2,3-cd)pyrene	25.66	276	3222	0.143	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.67	278	882	0.048	ng/ul#	48
26) Benzo(a,h,i)perylene	26.34	276	2771	0.136	ng/ul#	91

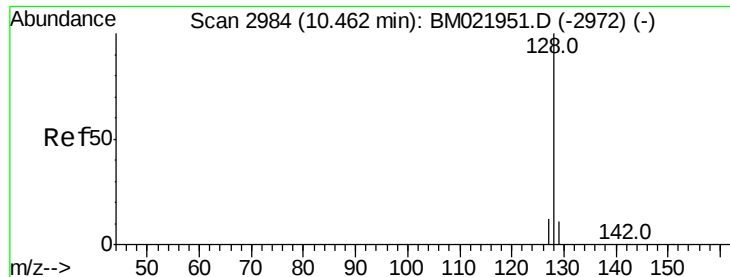
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.025 ng/ul

RT: 10.46 min Scan# 2983

Delta R.T. -0.01 min

Lab File: BM021967.D

Acq: 09 Aug 2019 12:58

Instrument :

BNA_M

ClientSampleId :

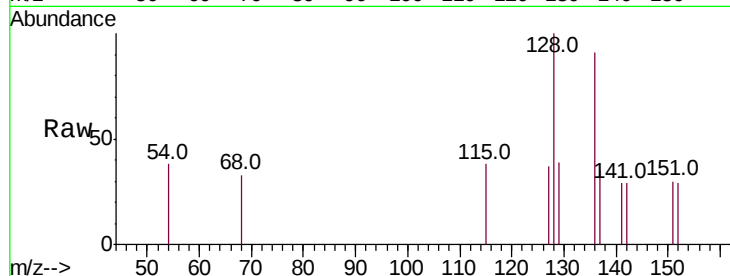
Tot Ion:128 Resp: 255

Ion Ratio Lower Upper

128 100

129 38.9 12.3 18.5#

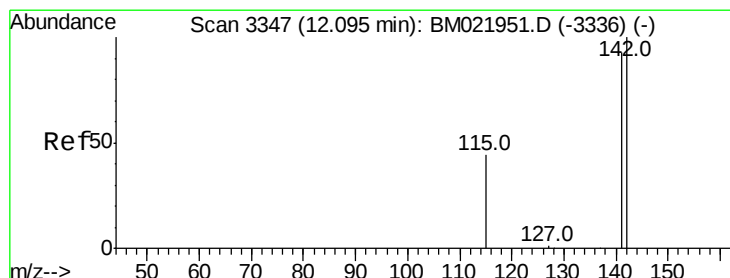
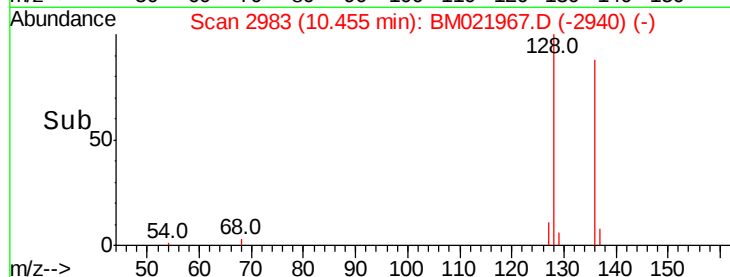
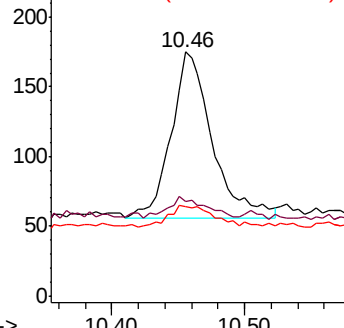
127 36.6 13.0 19.6#



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: 0.030 ng/ul

RT: 12.10 min Scan# 3348

Delta R.T. 0.00 min

Lab File: BM021967.D

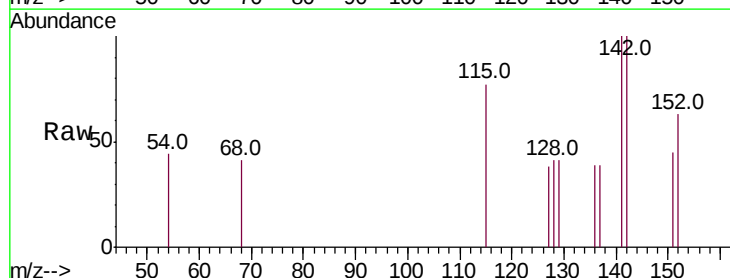
Acq: 09 Aug 2019 12:58

Tgt Ion:142 Resp: 205

Ion Ratio Lower Upper

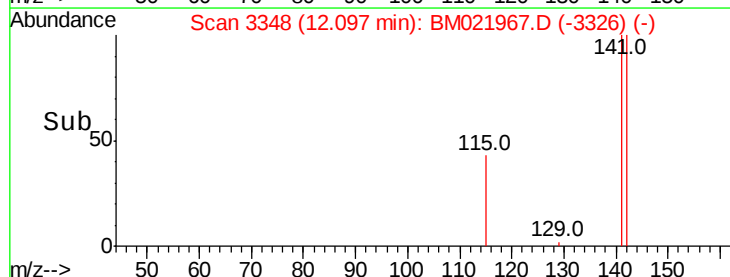
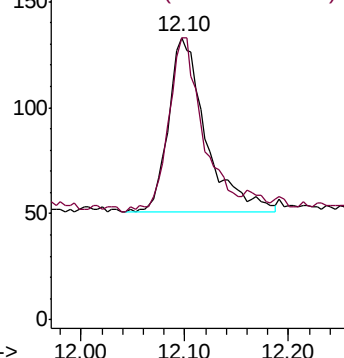
142 100

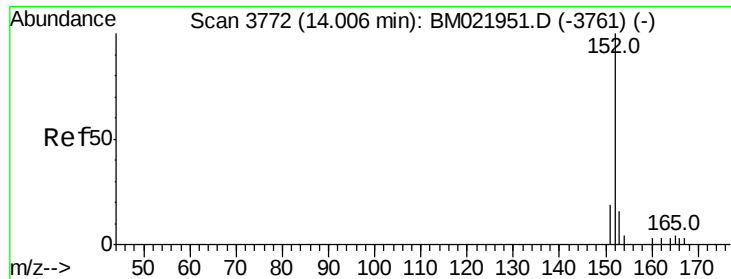
141 91.7 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.042 ng/ul

RT: 14.00 min Scan# 3770

Delta R.T. -0.01 min

Lab File: BM021967.D

Acq: 09 Aug 2019 12:58

Instrument :

BNA_M

ClientSampleId :

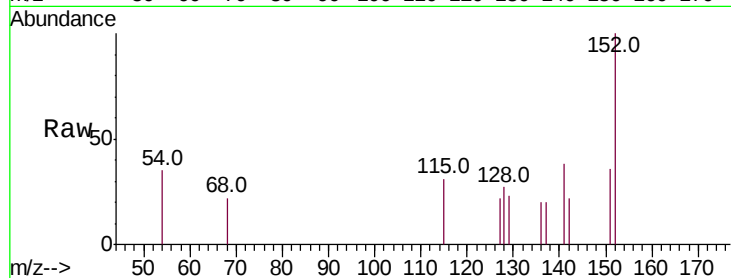
Tot Ion:152 Resp: 383

Ion Ratio Lower Upper

152 100

151 35.8 18.3 27.5#

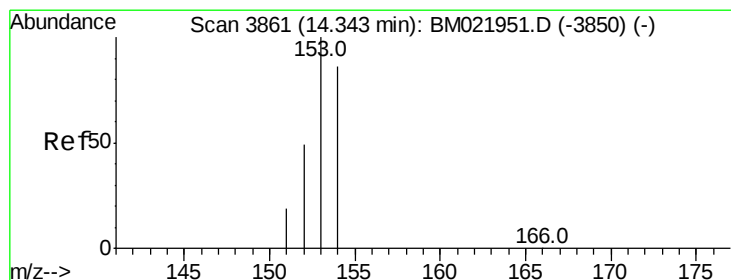
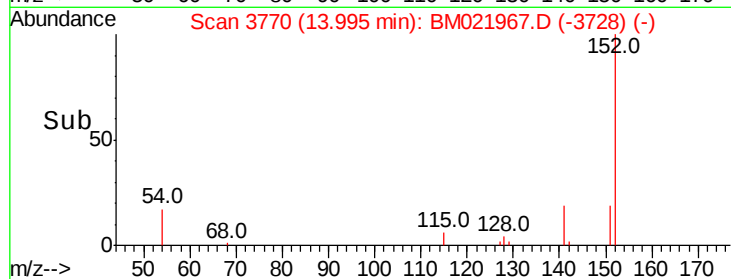
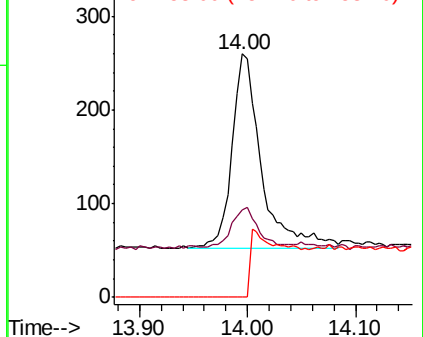
153 0.0 12.8 19.2#



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: 0.067 ng/ul

RT: 14.34 min Scan# 3860

Delta R.T. -0.01 min

Lab File: BM021967.D

Acq: 09 Aug 2019 12:58

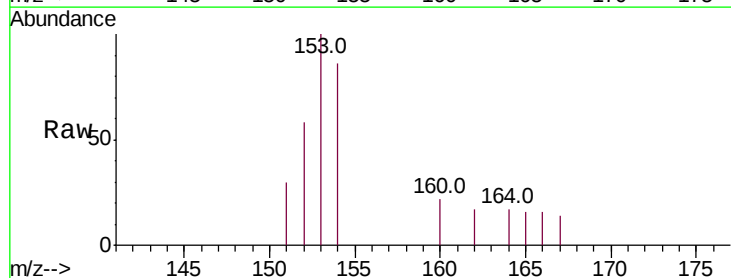
Tgt Ion:153 Resp: 506

Ion Ratio Lower Upper

153 100

152 58.5 41.3 61.9

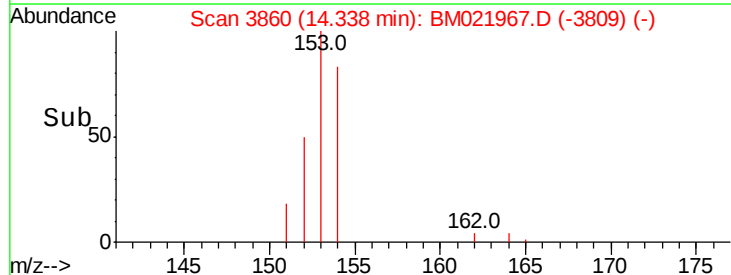
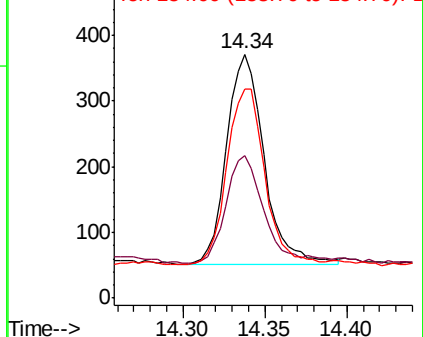
154 86.0 72.3 108.5

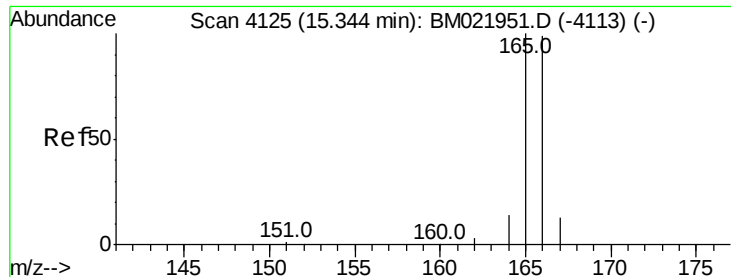


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.052 ng/ul

RT: 15.33 min Scan# 4123

Delta R.T. -0.01 min

Lab File: BM021967.D

Acq: 09 Aug 2019 12:58

Instrument :

BNA_M

ClientSampleId :

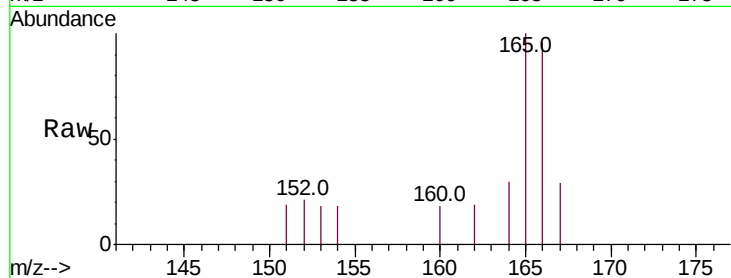
Tot Ion:166 Resp: 430

Ion Ratio Lower Upper

166 100

165 104.2 81.4 122.0

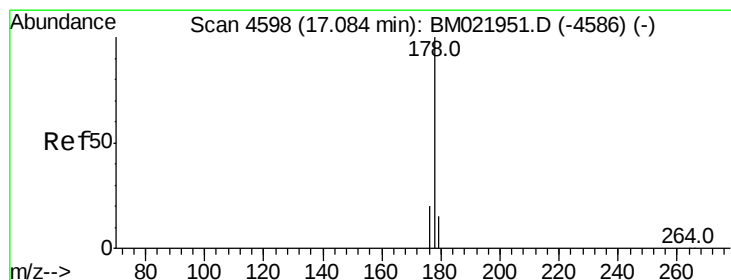
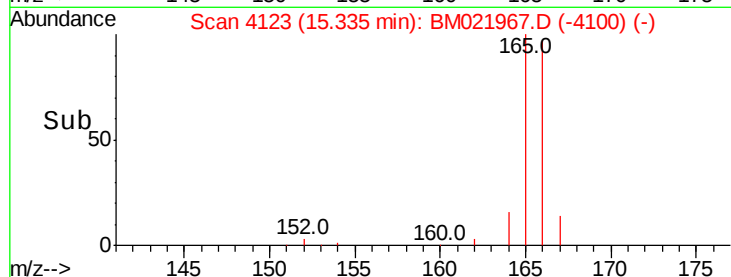
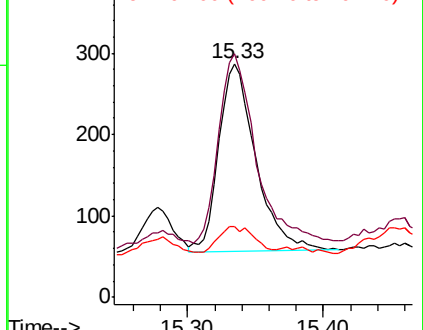
167 30.3 13.7 20.5#



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: 0.604 ng/ul

RT: 17.07 min Scan# 4595

Delta R.T. -0.01 min

Lab File: BM021967.D

Acq: 09 Aug 2019 12:58

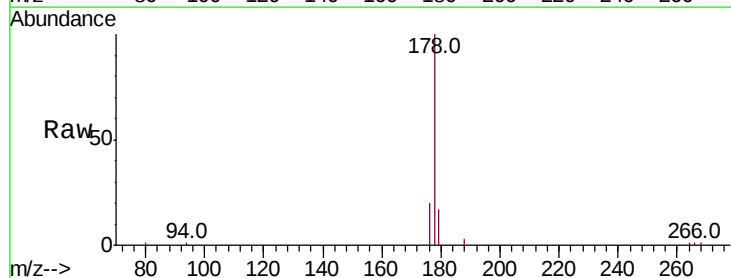
Tgt Ion:178 Resp: 7509

Ion Ratio Lower Upper

178 100

179 16.5 14.2 21.2

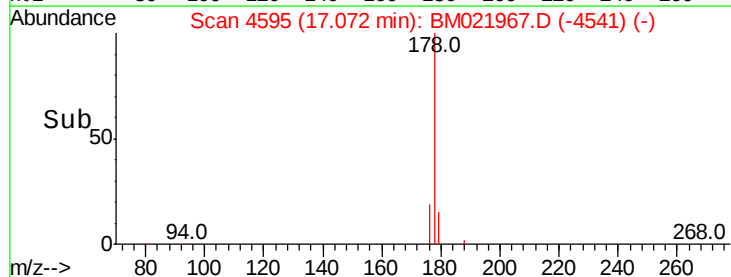
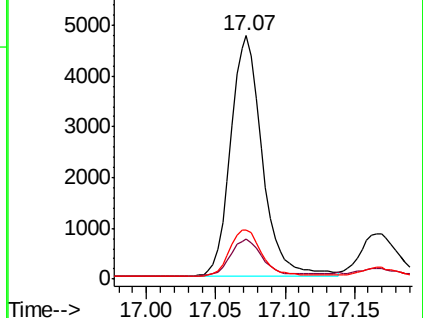
176 20.2 16.8 25.2

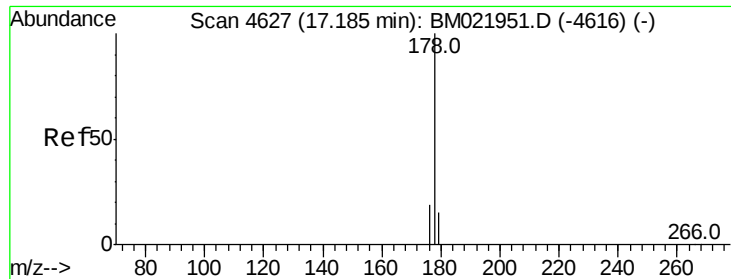


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.141 ng/ul

RT: 17.17 min Scan# 4622

Delta R.T. -0.02 min

Lab File: BM021967.D

Acq: 09 Aug 2019 12:58

Instrument :

BNA_M

ClientSampleId :

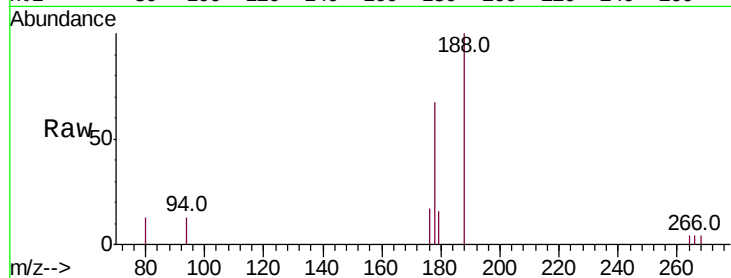
Tot Ion:178 Resp: 1498

Ion Ratio Lower Upper

178 100

179 23.9 15.5 23.3#

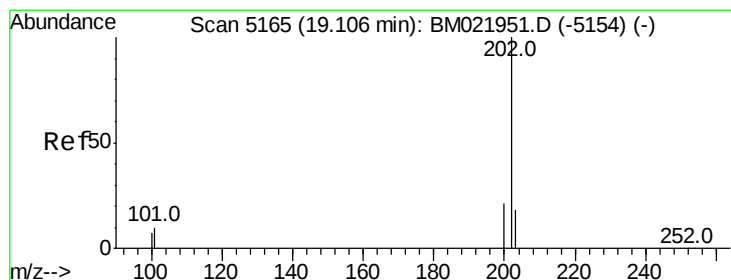
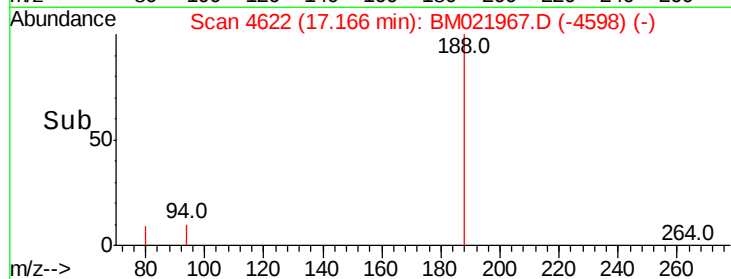
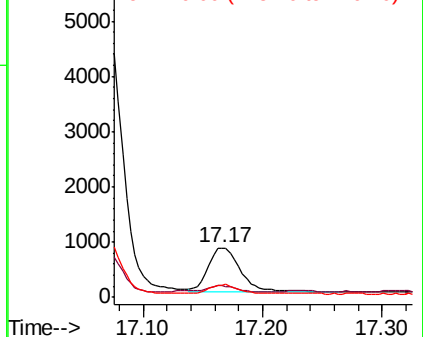
176 25.2 16.6 25.0#



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



#15

Fluoranthene

Concen: 0.590 ng/ul

RT: 19.10 min Scan# 5163

Delta R.T. -0.01 min

Lab File: BM021967.D

Acq: 09 Aug 2019 12:58

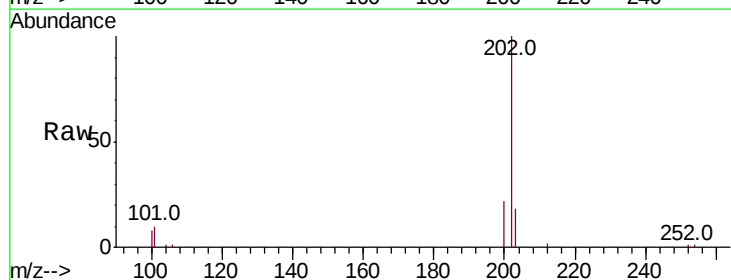
Tgt Ion:202 Resp: 9830

Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.2

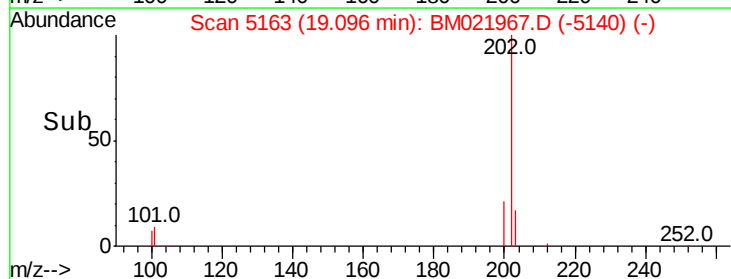
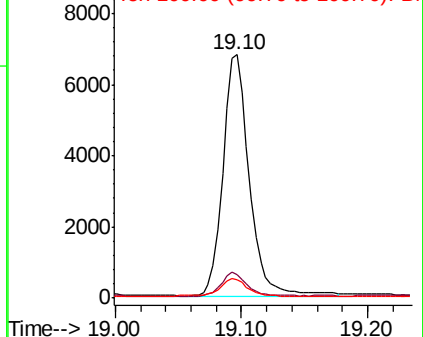
100 7.7 0.0 28.1

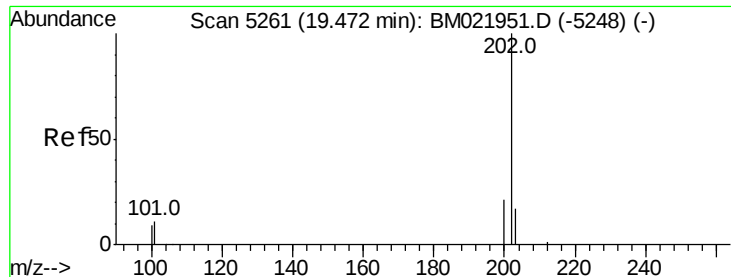


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 0.739 ng/ul

RT: 19.46 min Scan# 5258

Delta R.T. -0.02 min

Lab File: BM021967.D

Acq: 09 Aug 2019 12:58

Instrument :

BNA_M

ClientSampled :

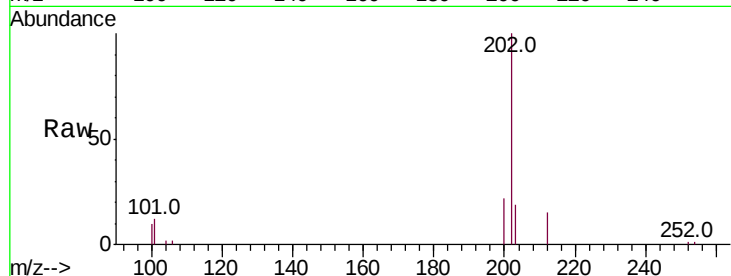
Tot Ion:202 Resp: 12519

Ion Ratio Lower Upper

202 100

101 12.2 8.3 12.5

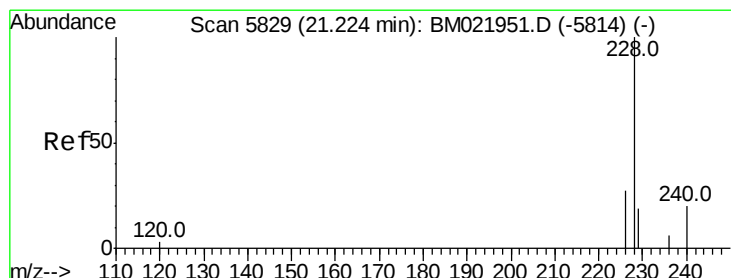
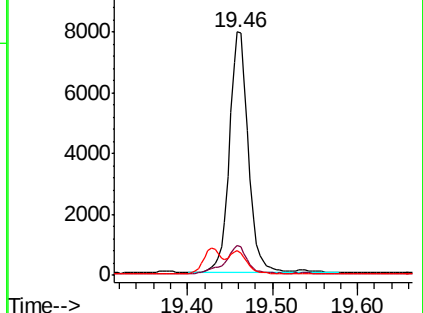
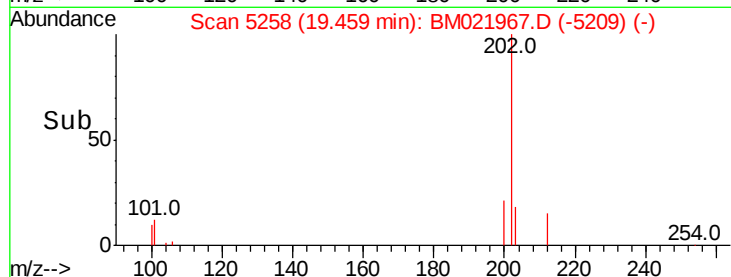
100 10.1 7.2 10.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#18

Benzo(a)anthracene

Concen: 0.449 ng/ul

RT: 21.22 min Scan# 5828

Delta R.T. -0.01 min

Lab File: BM021967.D

Acq: 09 Aug 2019 12:58

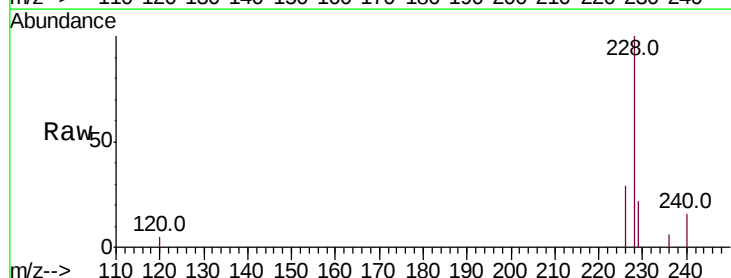
Tgt Ion:228 Resp: 6622

Ion Ratio Lower Upper

228 100

229 22.3 17.2 25.8

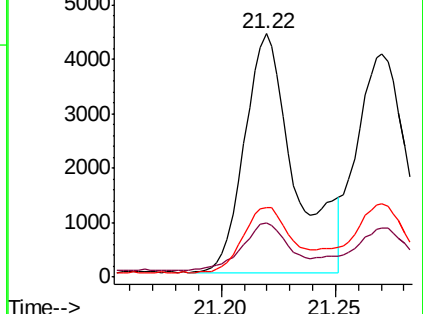
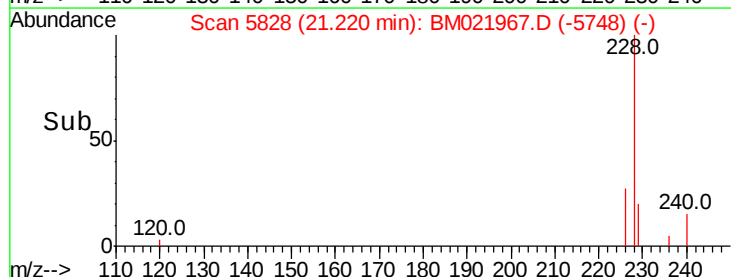
226 28.8 22.6 34.0

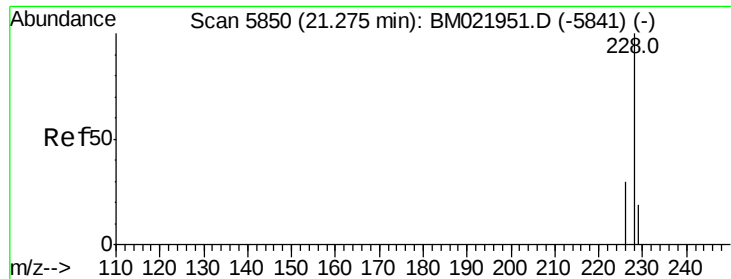


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.337 ng/ul

RT: 21.27 min Scan# 5849

Delta R.T. -0.01 min

Lab File: BM021967.D

Acq: 09 Aug 2019 12:58

Instrument :

BNA_M

ClientSampled :

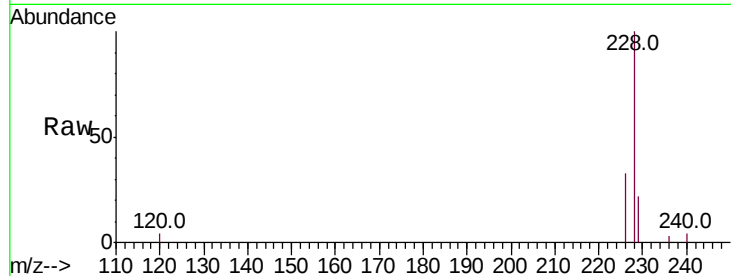
Tot Ion:228 Resp: 6392

Ion Ratio Lower Upper

228 100

226 33.0 24.9 37.3

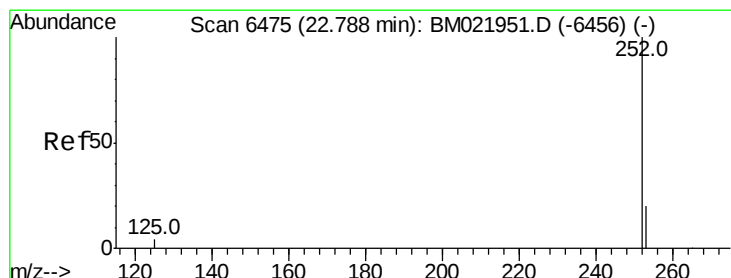
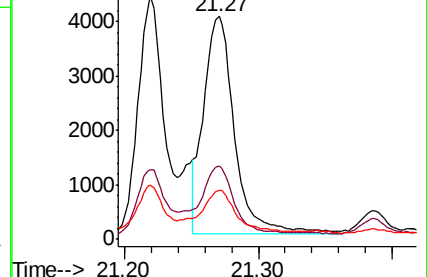
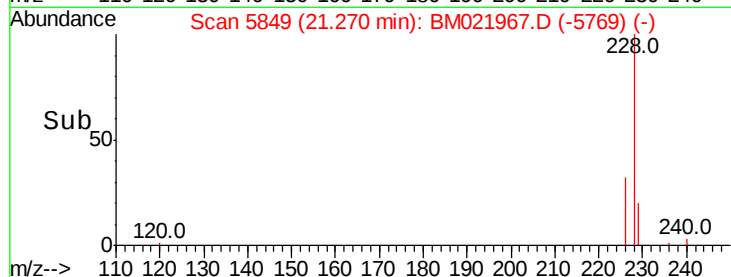
229 22.0 16.6 25.0



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: 0.505 ng/ul

RT: 22.78 min Scan# 6474

Delta R.T. -0.01 min

Lab File: BM021967.D

Acq: 09 Aug 2019 12:58

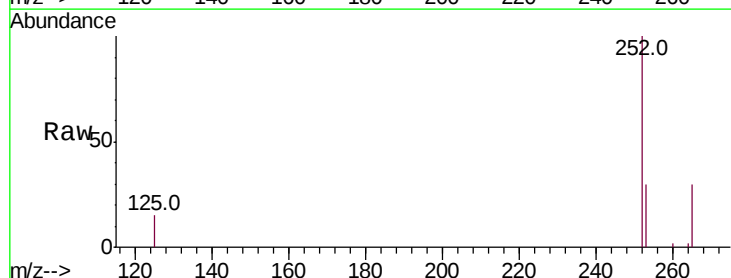
Tgt Ion:252 Resp: 9386

Ion Ratio Lower Upper

252 100

253 30.4 0.0 67.4

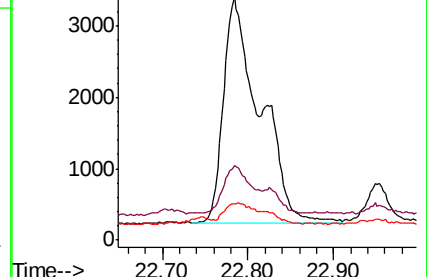
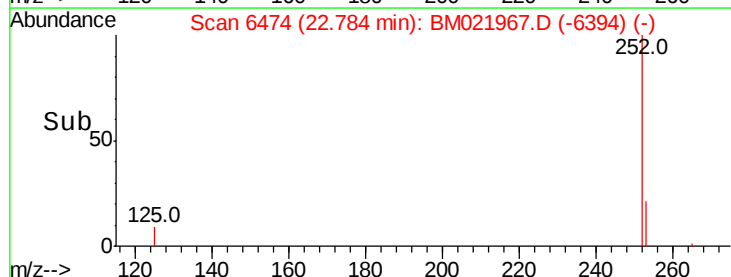
125 14.8 0.0 31.0

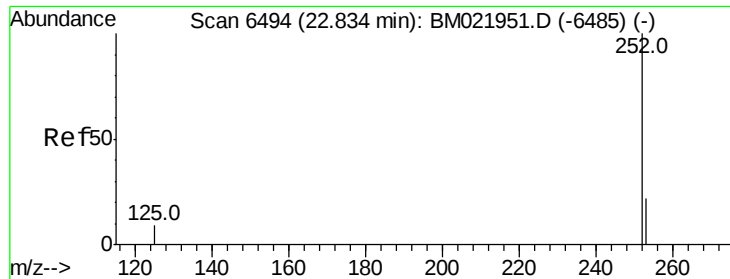


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

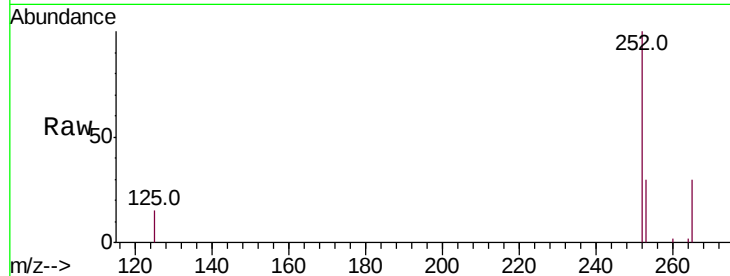




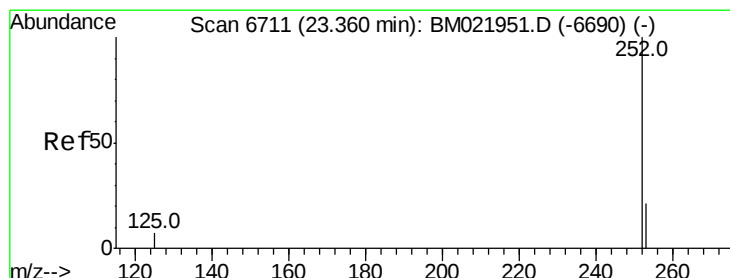
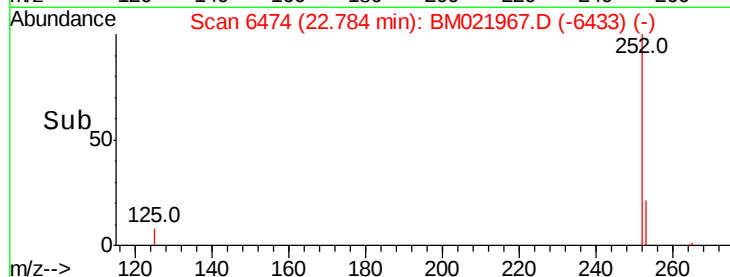
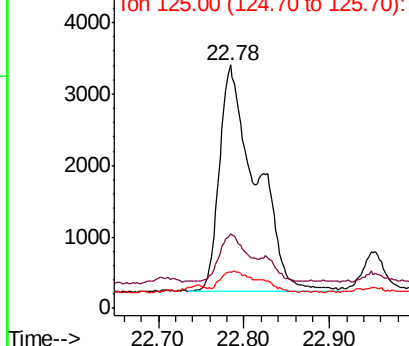
#22
Benzo(k)fluoranthene
Concen: 0.446 ng/ul
RT: 22.78 min Scan# 6474
Delta R.T. -0.05 min
Lab File: BM021967.D
Acq: 09 Aug 2019 12:58

Instrument :
BNA_M
ClientSampleId :

Tot Ion:252 Resp: 9386
Ion Ratio Lower Upper
252 100
253 30.4 27.0 40.4
125 14.8 12.2 18.2

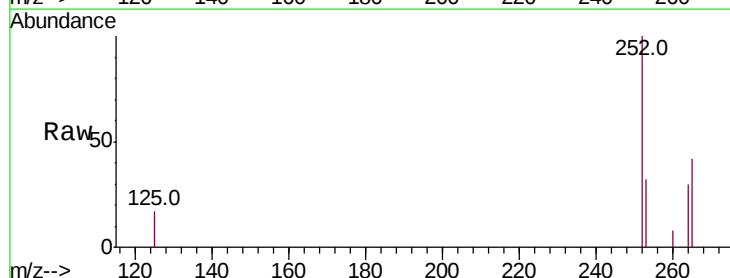


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

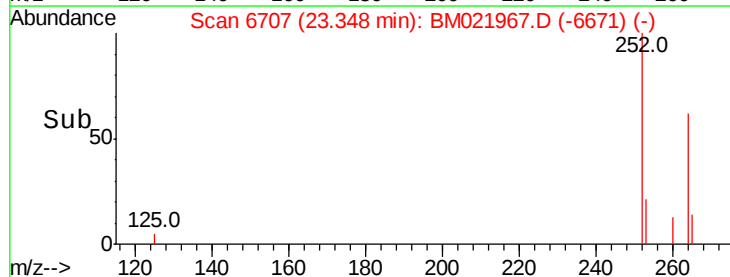
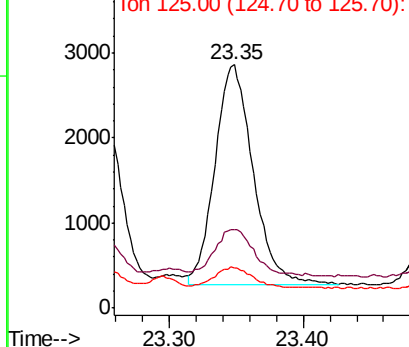


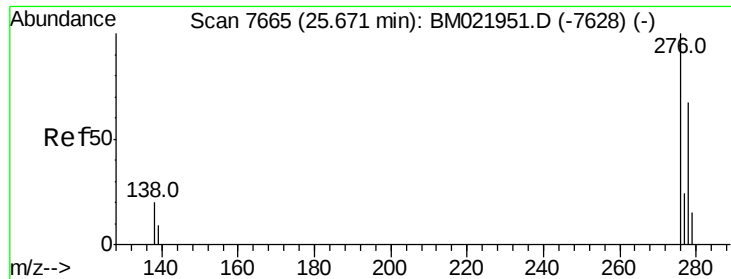
#23
Benzo(a)pyrene
Concen: 0.271 ng/ul
RT: 23.35 min Scan# 6707
Delta R.T. -0.01 min
Lab File: BM021967.D
Acq: 09 Aug 2019 12:58

Tgt Ion:252 Resp: 5119
Ion Ratio Lower Upper
252 100
253 32.2 31.7 47.5
125 16.5 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



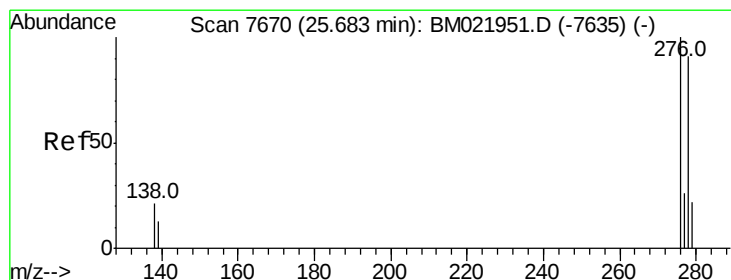
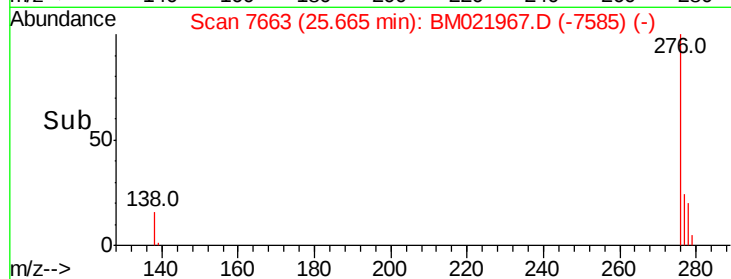
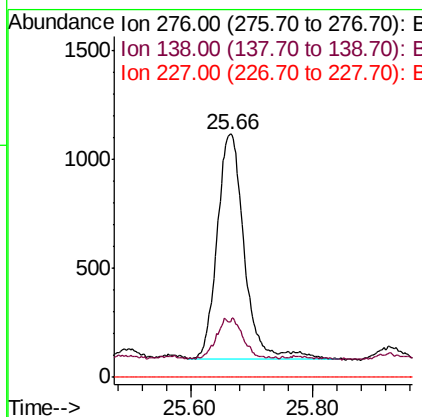
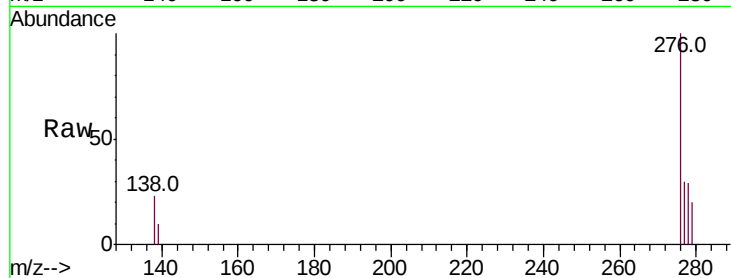


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.143 ng/u1
RT: 25.66 min Scan# 7663
Delta R.T. -0.01 min
Lab File: BM021967.D
Acq: 09 Aug 2019 12:58

Instrument :
BNA_M
ClientSampleId :

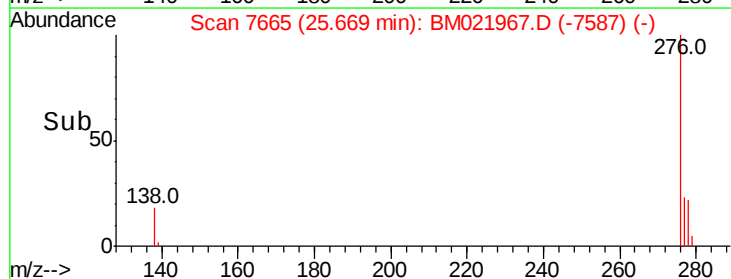
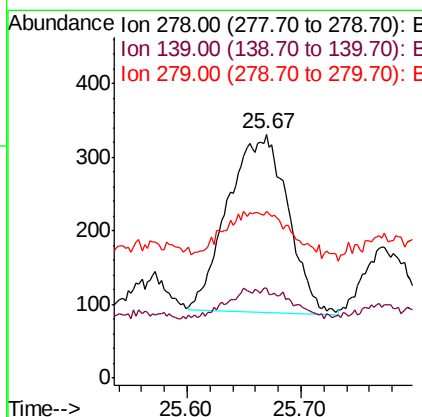
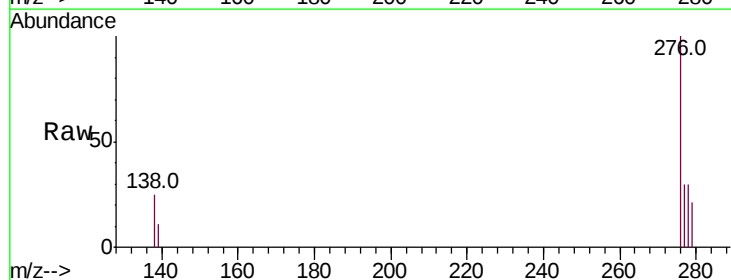
Tot Ion:276 Resp: 3222
Ion Ratio Lower Upper
276 100
138 17.5 15.1 22.7
227 0.0 0.0 0.0

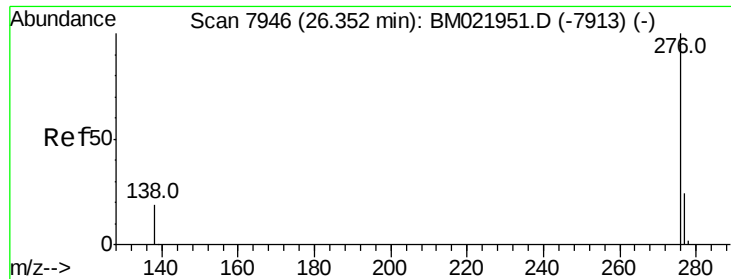


#25

Dibenzo(a,h)anthracene
Concen: 0.048 ng/u1
RT: 25.67 min Scan# 7665
Delta R.T. -0.01 min
Lab File: BM021967.D
Acq: 09 Aug 2019 12:58

Tgt Ion:278 Resp: 882
Ion Ratio Lower Upper
278 100
139 36.9 14.2 21.2#
279 68.6 28.3 42.5#





#26

Benzo(a,h,i)perylene

Concen: 0.136 ng/ul

RT: 26.34 min Scan# 7941

Delta R.T. -0.02 min

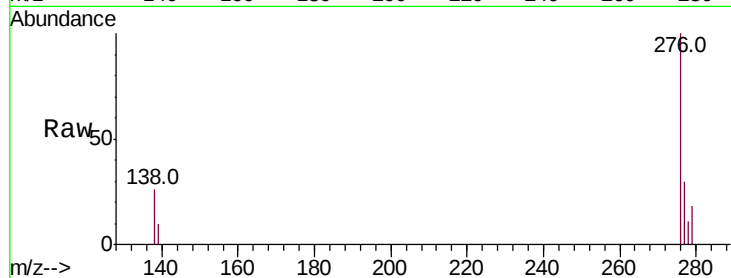
Lab File: BM021967.D

Acq: 09 Aug 2019 12:58

Instrument :

BNA_M

ClientSampleId :



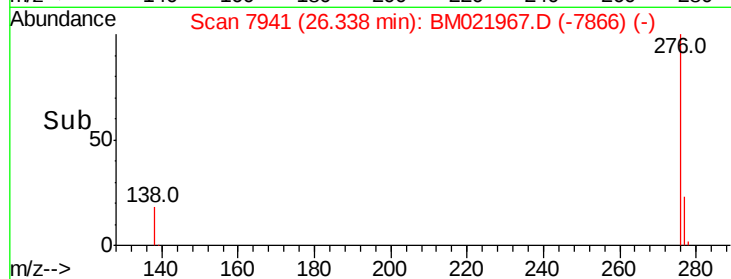
Tot Ion: 276 Resp: 2771

Ion Ratio Lower Upper

276 100

138 25.7 15.5 23.3#

277 29.9 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

