

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031820\
 Data File : BM025638.D
 Acq On : 18 Mar 2020 21:10
 Operator : CG/JU
 Sample : L1786-06DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 19 00:08:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 05:07:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	2529	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	10305	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	6557	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.96	188	15270	0.40	ng/ul	0.00
16) Chrysene-d12	21.16	240	15693	0.40	ng/ul	0.00
20) Perylene-d12	23.31	264	16703	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	422	0.02	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	1184	0.03	ng/ul	0.00

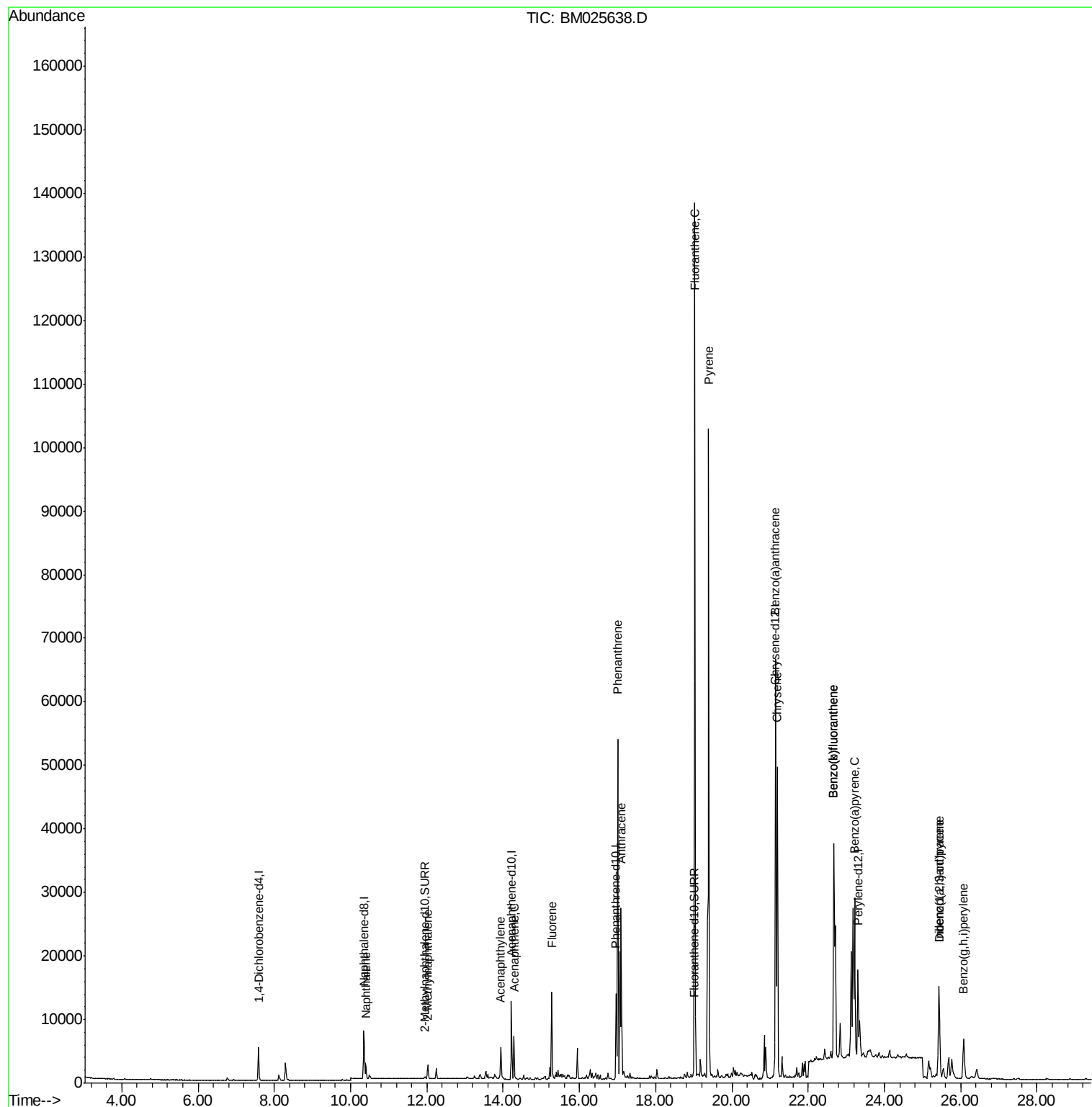
Target Compounds				Ovalue		
3) Naphthalene	10.40	128	3263	0.107	ng/ul	96
5) 2-Methylnaphthalene	12.02	142	1681	0.077	ng/ul	99
7) Acenaphthylene	13.94	152	5953	0.222	ng/ul#	86
8) Acenaphthene	14.28	153	3845	0.164	ng/ul	97
9) Fluorene	15.27	166	8373	0.292	ng/ul	100
12) Phenanthrene	17.00	178	54101	1.118	ng/ul	100
13) Anthracene	17.09	178	27739	0.659	ng/ul	99
15) Fluoranthene	19.03	202	117678	2.243	ng/ul	98
17) Pyrene	19.39	202	86900	1.234	ng/ul	99
18) Benzo(a)anthracene	21.14	228	51605	0.920	ng/ul	98
19) Chrysene	21.19	228	45593	0.724	ng/ul	98
21) Benzo(b)fluoranthene	22.67	252	77721	1.175	ng/ul	97
22) Benzo(k)fluoranthene	22.67	252	77721	1.122	ng/ul	98
23) Benzo(a)pyrene	23.21	252	33362	0.607	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.43	276	20942	0.281	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.43	278	7062	0.113	ng/ul#	85
26) Benzo(a,h,i)perylene	26.07	276	13036	0.202	ng/ul#	95

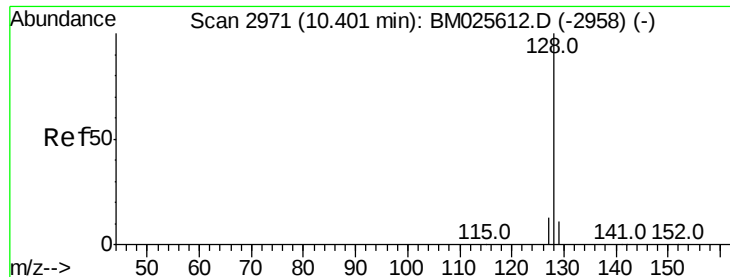
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031820\
Data File : BM025638.D
Acq On : 18 Mar 2020 21:10
Operator : CG/JU
Sample : L1786-06DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Mar 19 00:08:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 18 05:07:34 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.107 ng/ul

RT: 10.40 min Scan# 2970

Delta R.T. -0.00 min

Lab File: BM025638.D

Acq: 18 Mar 2020 21:10

Instrument :

BNA_M

ClientSampled :

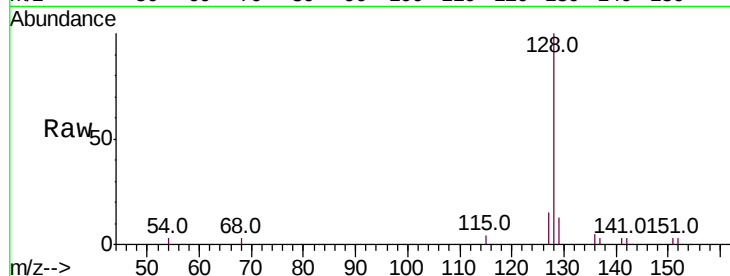
Tot Ion:128 Resp: 3263

Ion Ratio Lower Upper

128 100

129 13.4 9.4 14.0

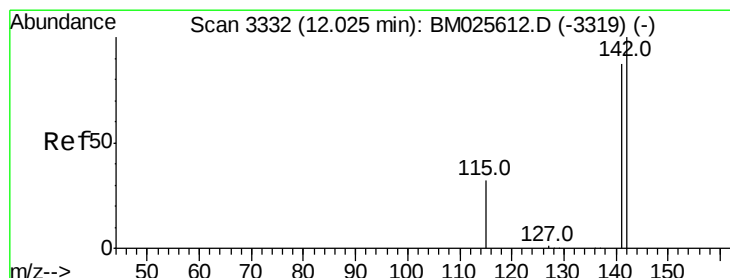
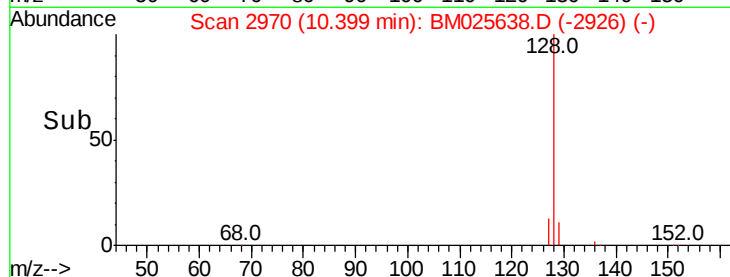
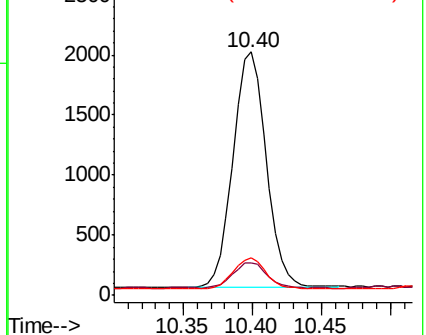
127 15.2 10.9 16.3



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: 0.077 ng/ul

RT: 12.02 min Scan# 3331

Delta R.T. -0.00 min

Lab File: BM025638.D

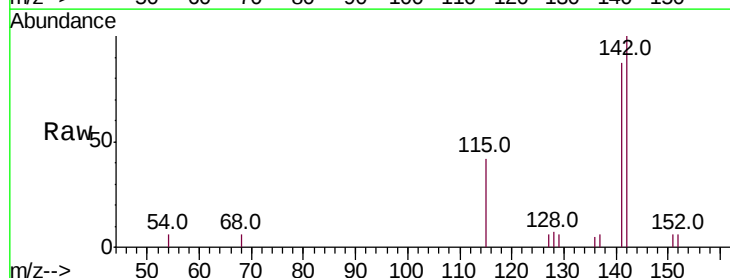
Acq: 18 Mar 2020 21:10

Tgt Ion:142 Resp: 1681

Ion Ratio Lower Upper

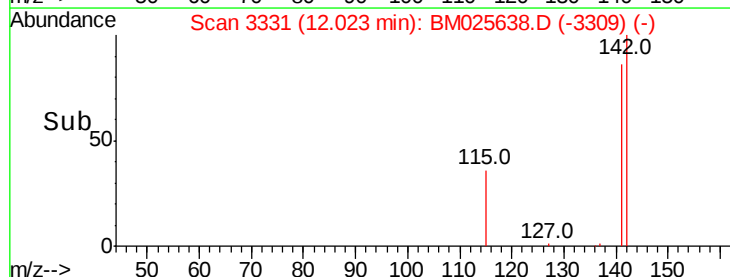
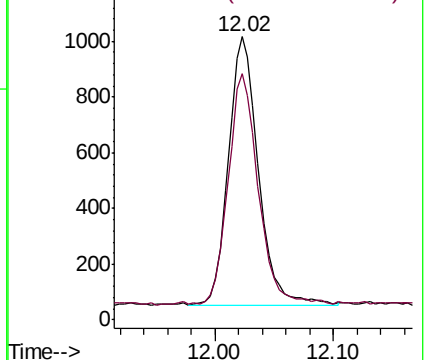
142 100

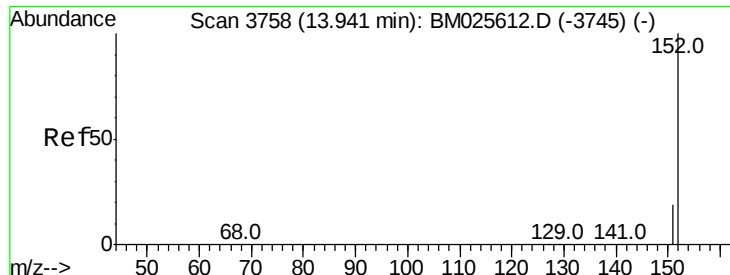
141 85.9 69.8 104.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.222 ng/ul

RT: 13.94 min Scan# 3757

Delta R.T. -0.00 min

Lab File: BM025638.D

Acq: 18 Mar 2020 21:10

Instrument :

BNA_M

ClientSampled :

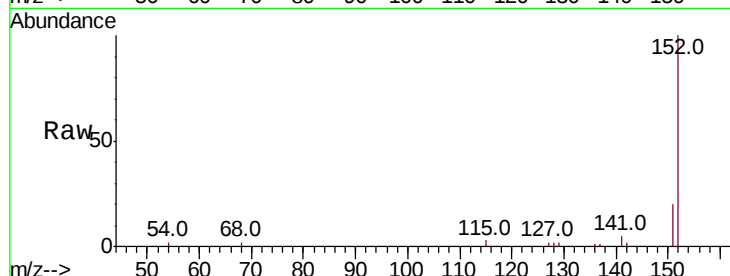
Tot Ion:152 Resp: 5953

Ion Ratio Lower Upper

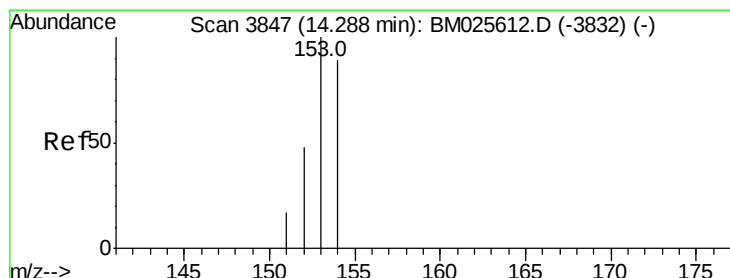
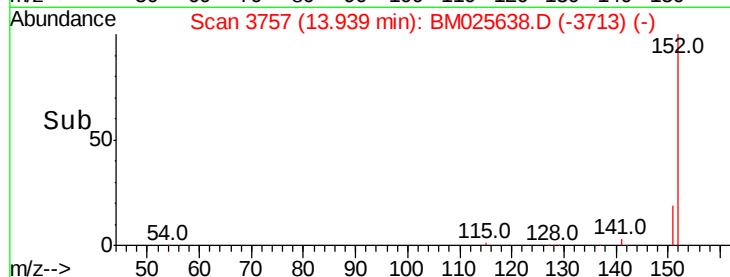
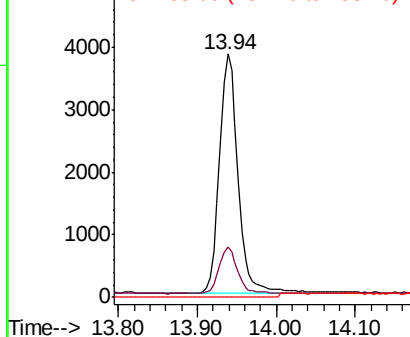
152 100

151 20.4 16.2 24.2

153 0.0 10.6 16.0#



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: 0.164 ng/ul

RT: 14.28 min Scan# 3845

Delta R.T. -0.01 min

Lab File: BM025638.D

Acq: 18 Mar 2020 21:10

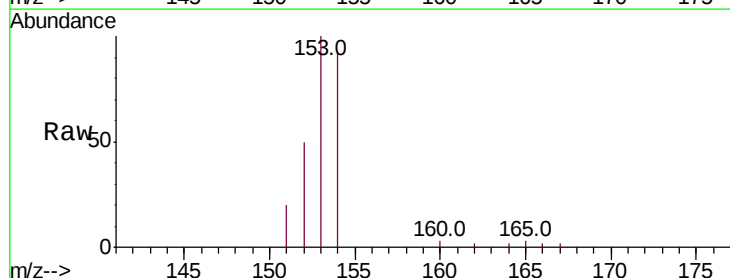
Tgt Ion:153 Resp: 3845

Ion Ratio Lower Upper

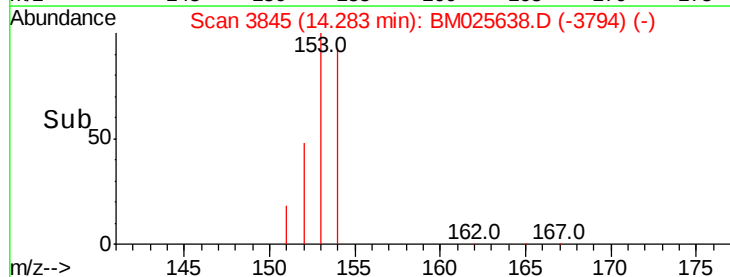
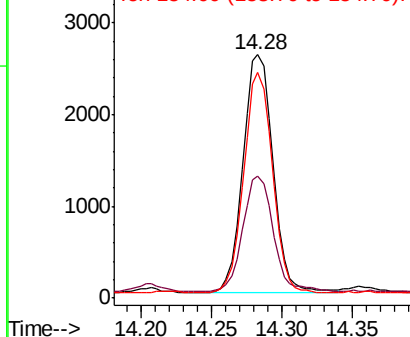
153 100

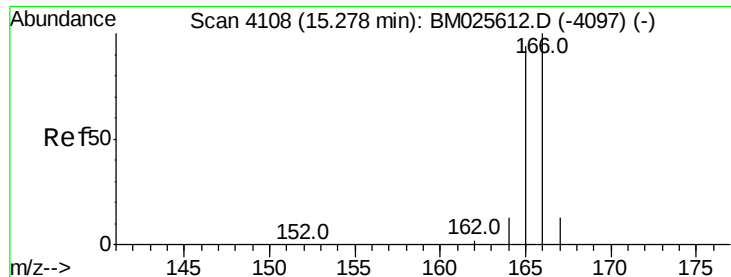
152 50.3 39.5 59.3

154 92.7 71.7 107.5



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: 0.292 ng/ul

RT: 15.27 min Scan# 4106

Delta R.T. -0.01 min

Lab File: BM025638.D

Acq: 18 Mar 2020 21:10

Instrument :

BNA_M

ClientSampleId :

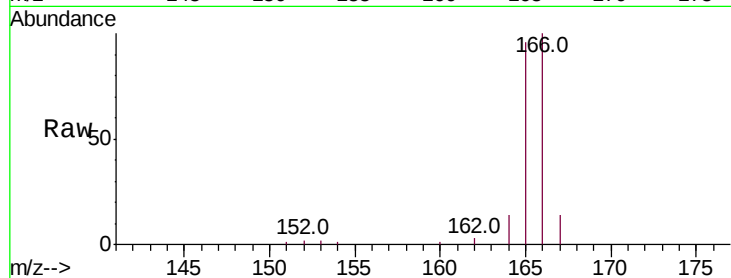
Tot Ion:166 Resp: 8373

Ion Ratio Lower Upper

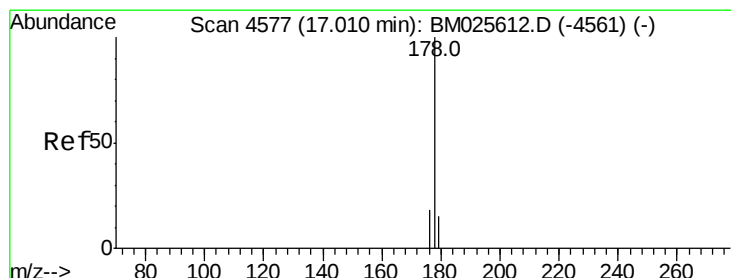
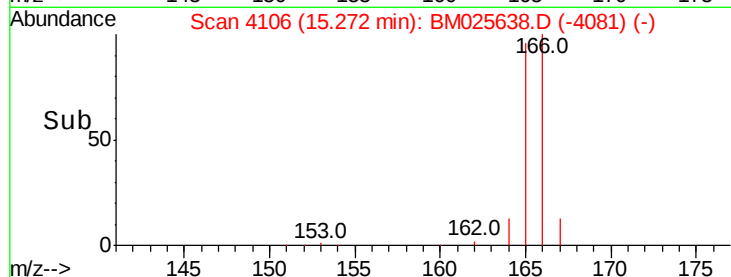
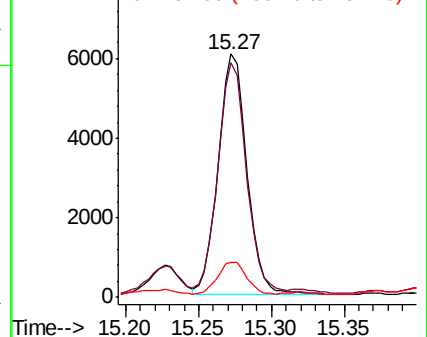
166 100

165 96.2 76.8 115.2

167 14.4 11.2 16.8



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: 1.118 ng/ul

RT: 17.00 min Scan# 4575

Delta R.T. -0.01 min

Lab File: BM025638.D

Acq: 18 Mar 2020 21:10

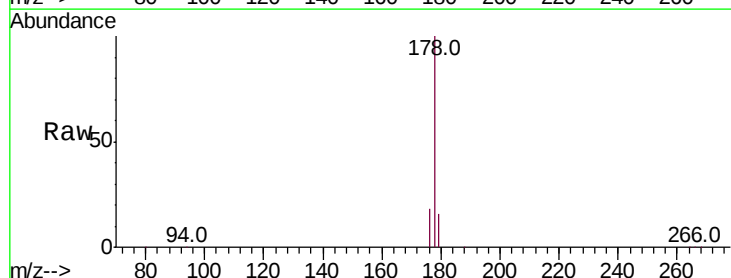
Tgt Ion:178 Resp: 54101

Ion Ratio Lower Upper

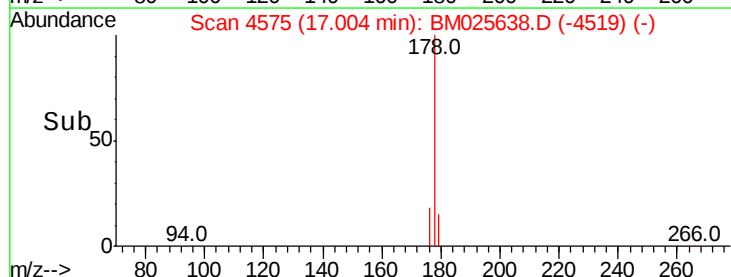
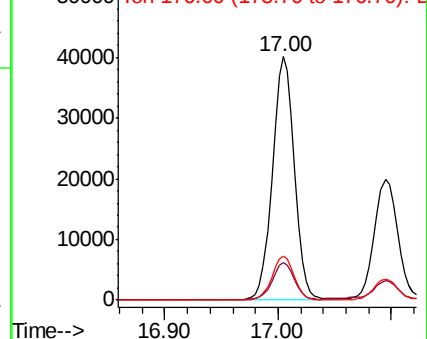
178 100

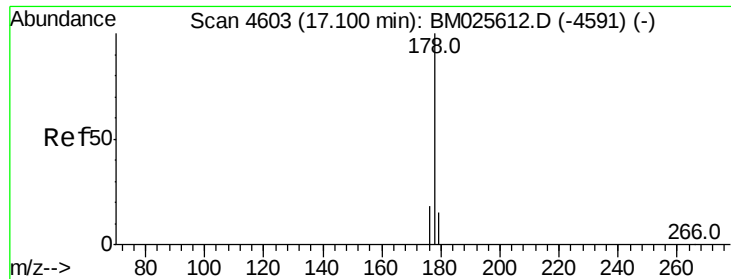
179 15.5 12.4 18.6

176 18.3 14.8 22.2



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: 0.659 ng/ul

RT: 17.09 min Scan# 4601

Delta R.T. -0.01 min

Lab File: BM025638.D

Acq: 18 Mar 2020 21:10

Instrument :

BNA_M

ClientSampleId :

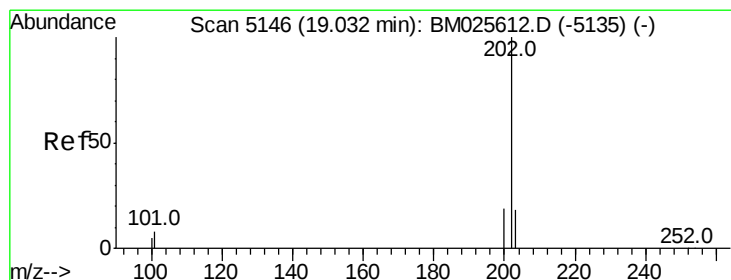
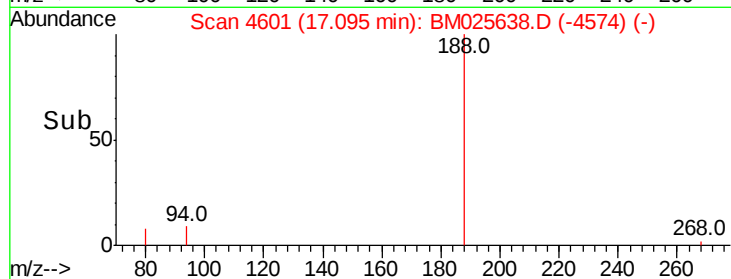
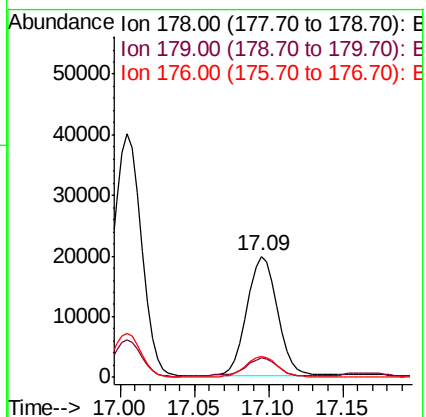
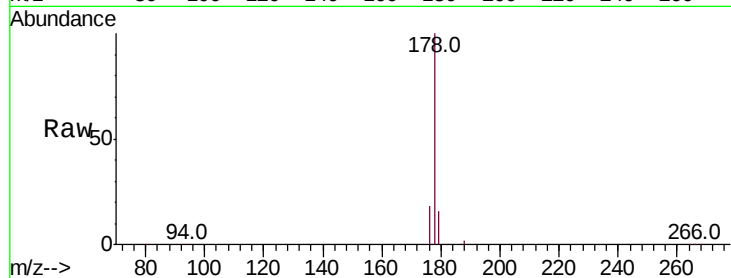
Tot Ion:178 Resp: 27739

Ion Ratio Lower Upper

178 100

179 16.1 12.6 18.8

176 17.7 14.5 21.7



#15

Fluoranthene

Concen: 2.243 ng/ul

RT: 19.03 min Scan# 5144

Delta R.T. -0.01 min

Lab File: BM025638.D

Acq: 18 Mar 2020 21:10

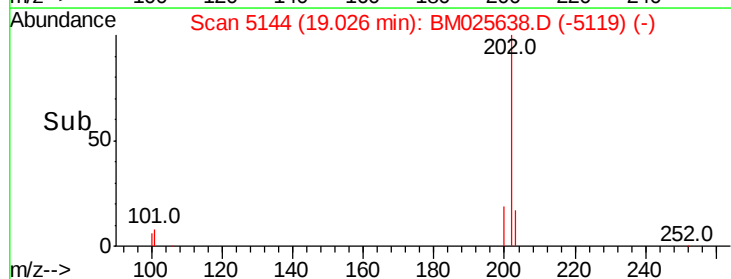
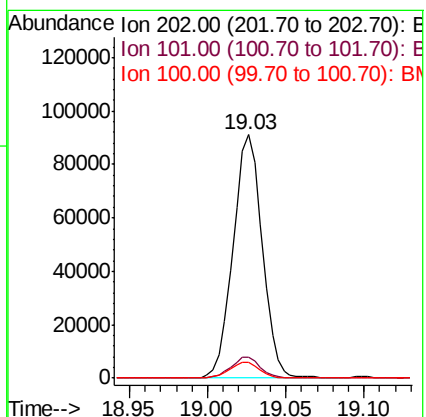
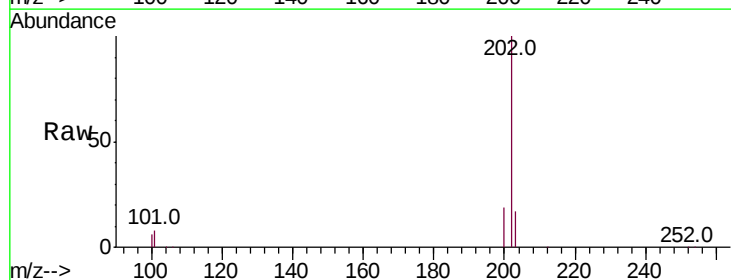
Tgt Ion:202 Resp: 117678

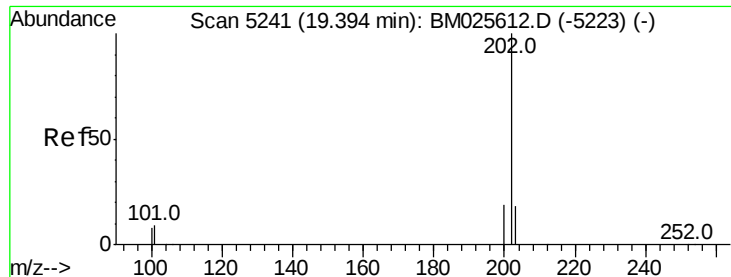
Ion Ratio Lower Upper

202 100

101 8.3 0.0 27.5

100 6.3 0.0 26.0

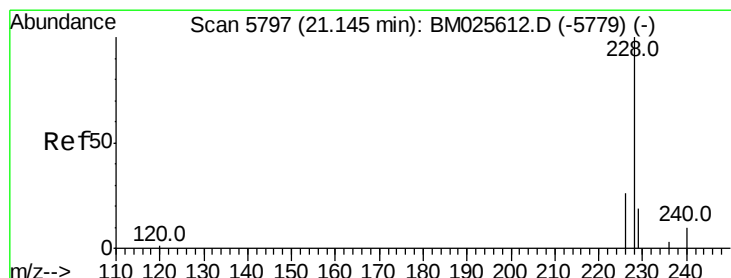
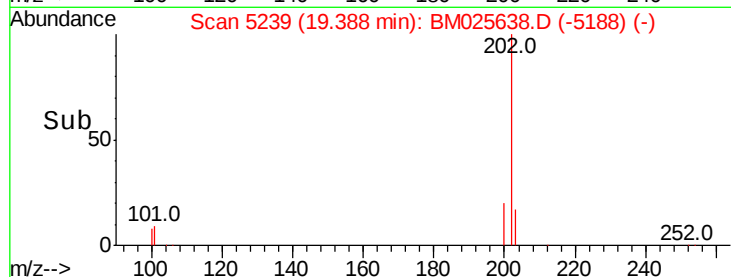
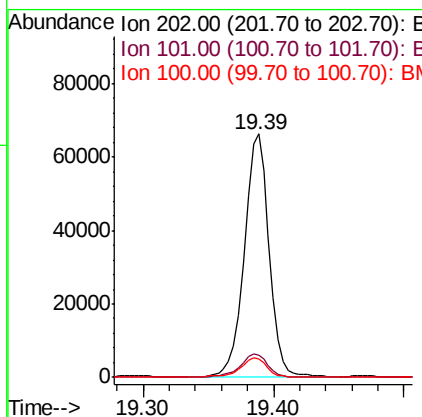
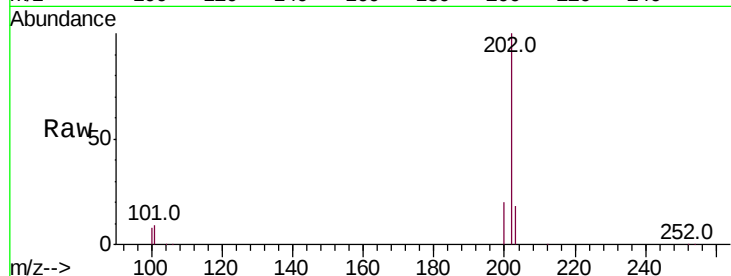




#17
Pvrene
Concen: 1.234 ng/ul
RT: 19.39 min Scan# 5239
Delta R.T. -0.01 min
Lab File: BM025638.D
Acq: 18 Mar 2020 21:10

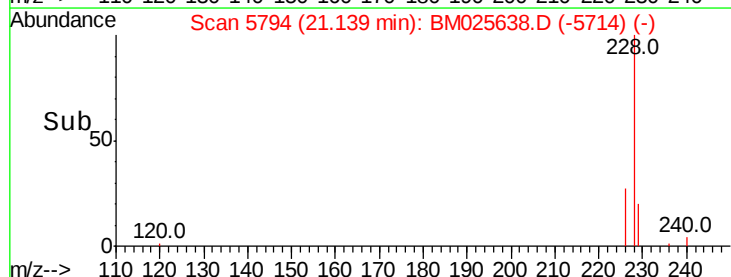
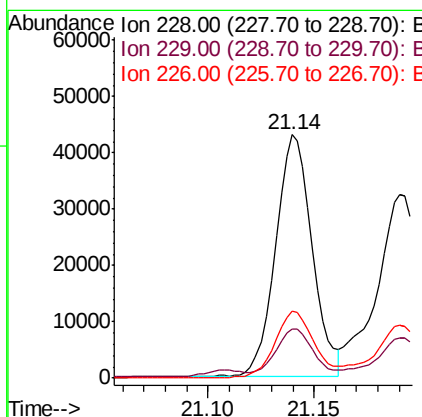
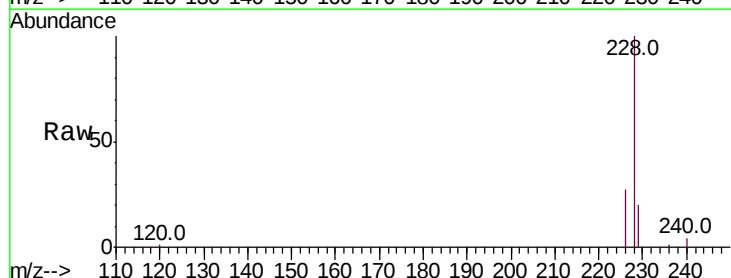
Instrument :
BNA_M
ClientSampleId :

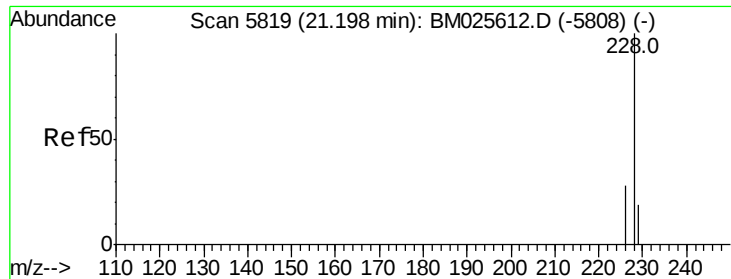
Tot Ion:202 Resp: 86900
Ion Ratio Lower Upper
202 100
101 9.4 7.1 10.7
100 7.6 6.0 9.0



#18
Benzo(a)anthracene
Concen: 0.920 ng/ul
RT: 21.14 min Scan# 5794
Delta R.T. -0.01 min
Lab File: BM025638.D
Acq: 18 Mar 2020 21:10

Tgt Ion:228 Resp: 51605
Ion Ratio Lower Upper
228 100
229 20.1 15.6 23.4
226 27.3 21.1 31.7





#19

Chrysene

Concen: 0.724 ng/ul

RT: 21.19 min Scan# 5815

Delta R.T. -0.01 min

Lab File: BM025638.D

Acq: 18 Mar 2020 21:10

Instrument :

BNA_M

ClientSampled :

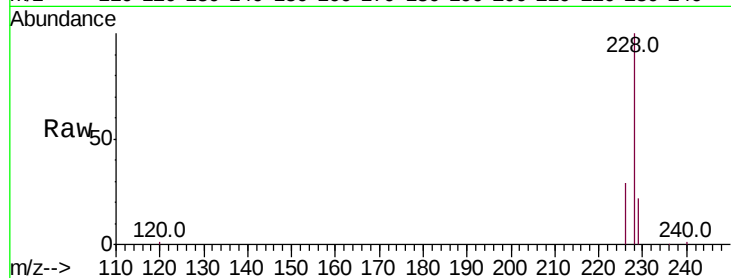
Tot Ion:228 Resp: 45593

Ion Ratio Lower Upper

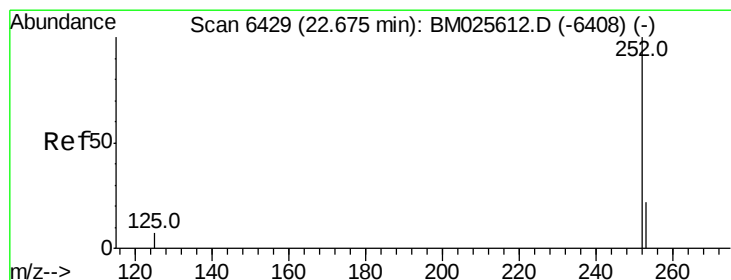
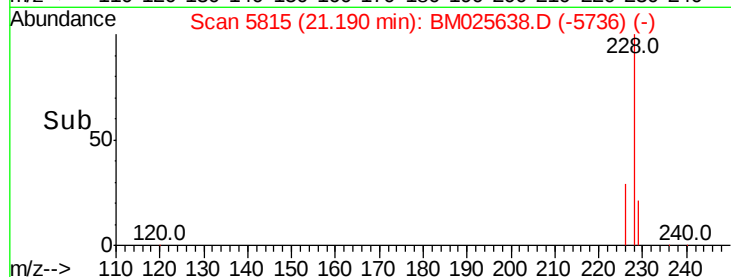
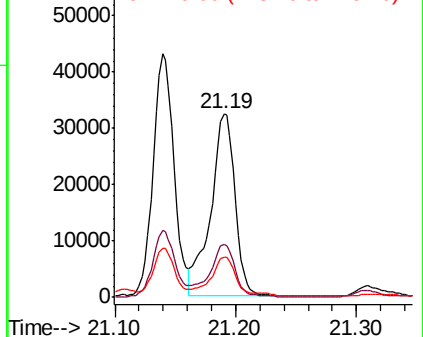
228 100

226 28.9 23.6 35.4

229 21.8 16.3 24.5



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: 1.175 ng/ul

RT: 22.67 min Scan# 6426

Delta R.T. -0.01 min

Lab File: BM025638.D

Acq: 18 Mar 2020 21:10

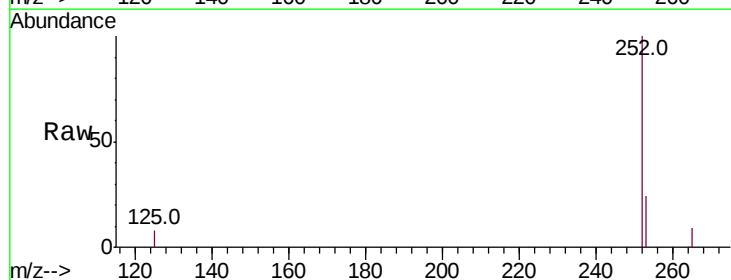
Tgt Ion:252 Resp: 77721

Ion Ratio Lower Upper

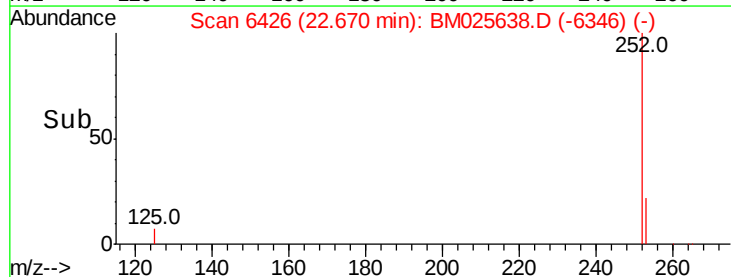
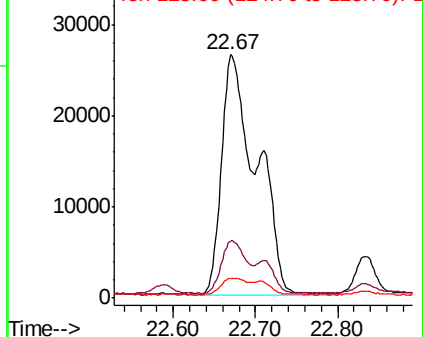
252 100

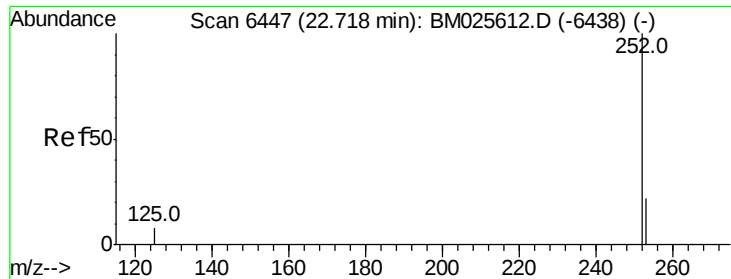
253 23.5 0.0 50.2

125 8.2 0.0 17.6



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: 1.122 ng/ul

RT: 22.67 min Scan# 6426

Delta R.T. -0.05 min

Lab File: BM025638.D

Acq: 18 Mar 2020 21:10

Instrument :

BNA_M

ClientSampleId :

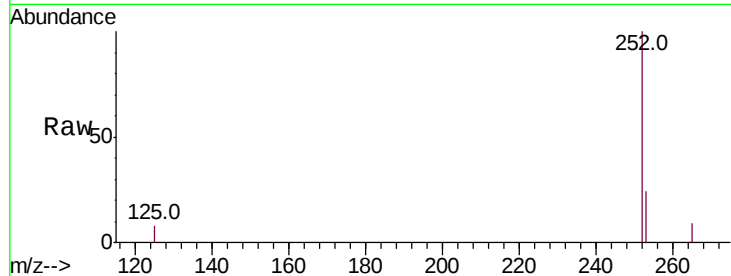
Tot Ion:252 Resp: 77721

Ion Ratio Lower Upper

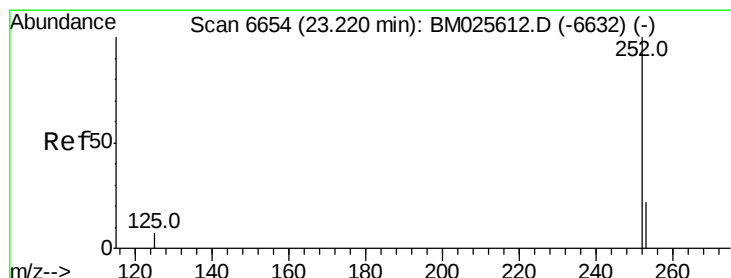
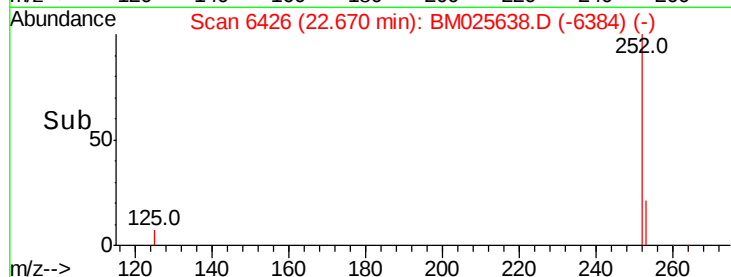
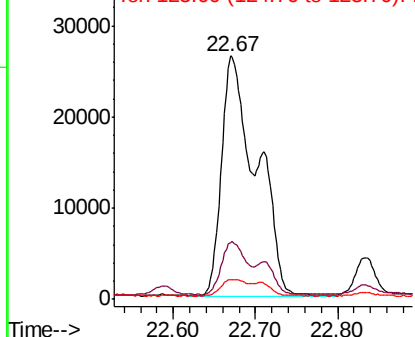
252 100

253 23.5 19.8 29.8

125 8.2 7.1 10.7



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: 0.607 ng/ul

RT: 23.21 min Scan# 6650

Delta R.T. -0.01 min

Lab File: BM025638.D

Acq: 18 Mar 2020 21:10

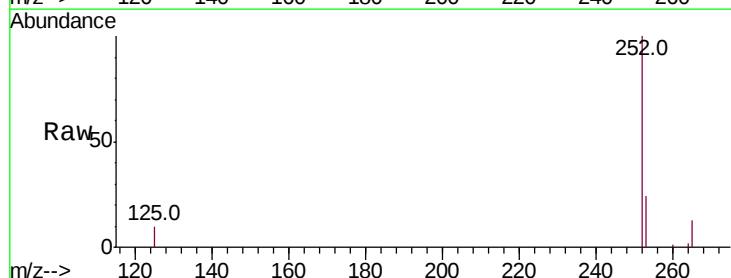
Tgt Ion:252 Resp: 33362

Ion Ratio Lower Upper

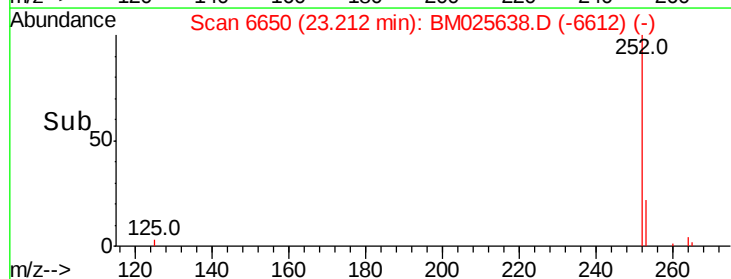
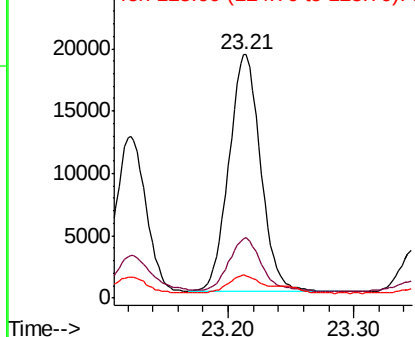
252 100

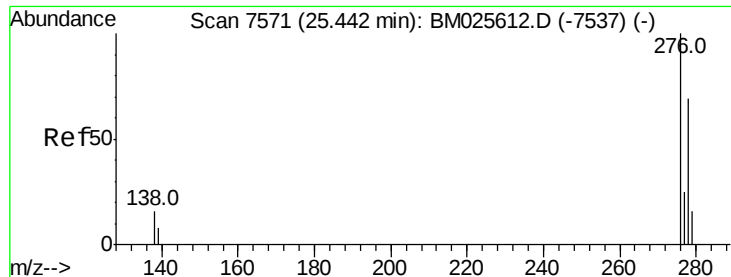
253 24.4 21.3 31.9

125 9.5 8.5 12.7



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



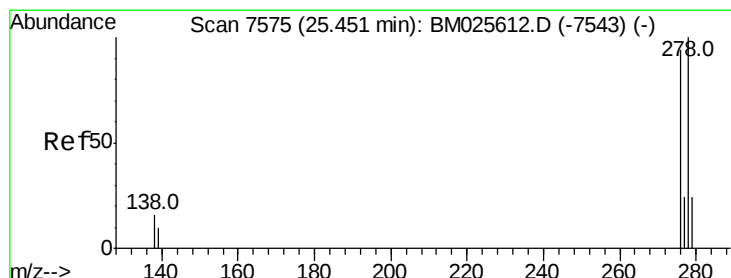
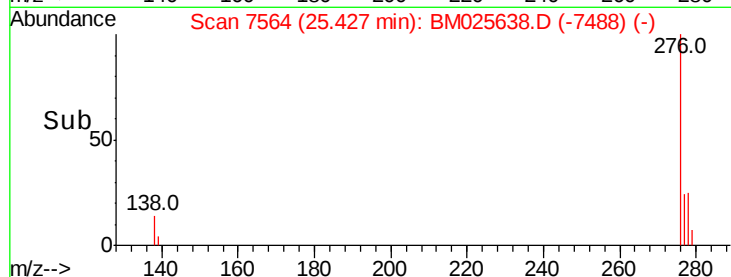
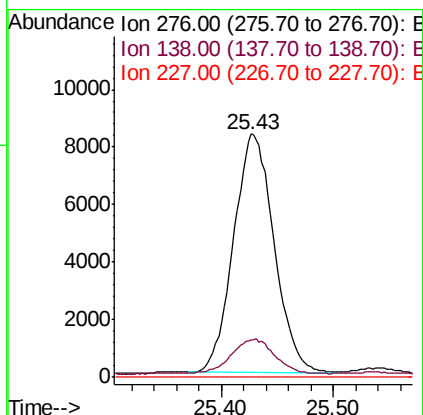
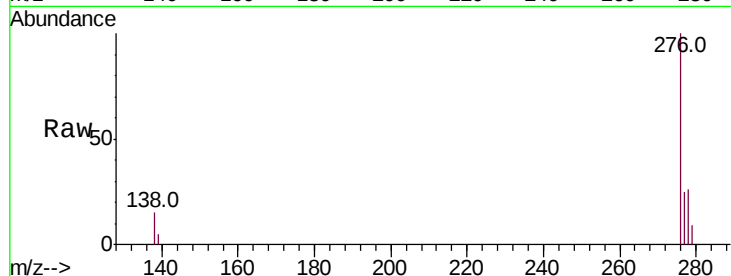


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.281 ng/ul
RT: 25.43 min Scan# 7564
Delta R.T. -0.01 min
Lab File: BM025638.D
Acq: 18 Mar 2020 21:10

Instrument :
BNA_M
ClientSampleId :

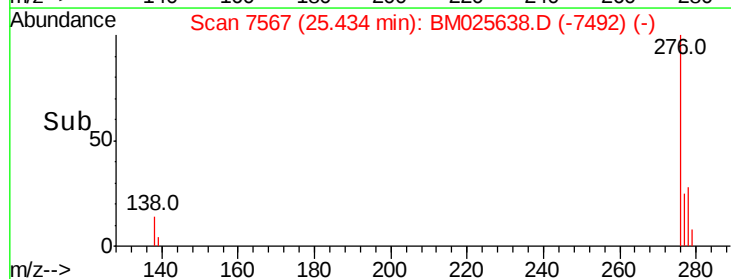
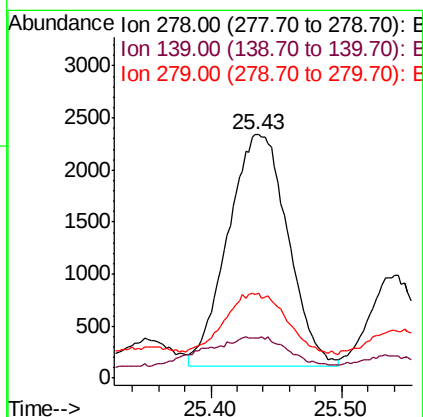
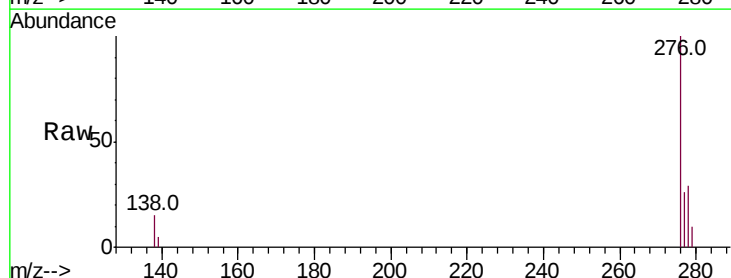
Tot Ion:276 Resp: 20942
Ion Ratio Lower Upper
276 100
138 15.7 12.3 18.5
227 0.0 0.0 0.0

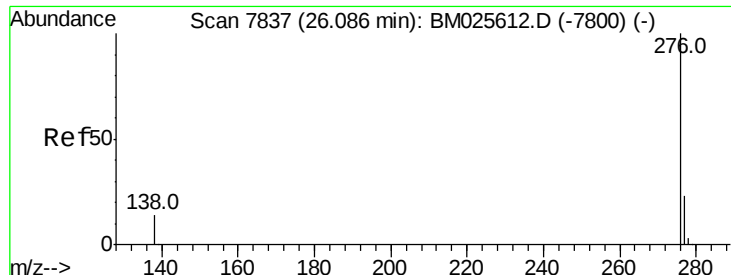


#25

Dibenzo(a,h)anthracene
Concen: 0.113 ng/ul
RT: 25.43 min Scan# 7567
Delta R.T. -0.02 min
Lab File: BM025638.D
Acq: 18 Mar 2020 21:10

Tgt Ion:278 Resp: 7062
Ion Ratio Lower Upper
278 100
139 16.7 9.0 13.6#
279 34.2 21.1 31.7#





#26

Benzo(a,h,i)perylene

Concen: 0.202 ng/ul

RT: 26.07 min Scan# 7831

Delta R.T. -0.01 min

Lab File: BM025638.D

Acq: 18 Mar 2020 21:10

Instrument :

BNA_M

ClientSampleId :

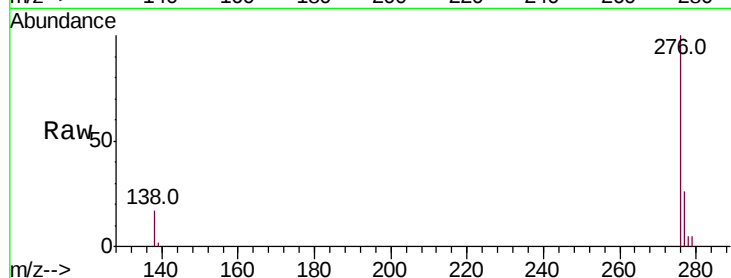
Tot Ion:276 Resp: 13036

Ion Ratio Lower Upper

276 100

138 17.0 11.0 16.4#

277 26.0 19.8 29.6



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

