

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022420\
 Data File : BM025028.D
 Acq On : 24 Feb 2020 18:59
 Operator : CG/JU
 Sample : SST00.177
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 25 00:51:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM022420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 25 00:46:28 2020
 Response via : Initial Calibration

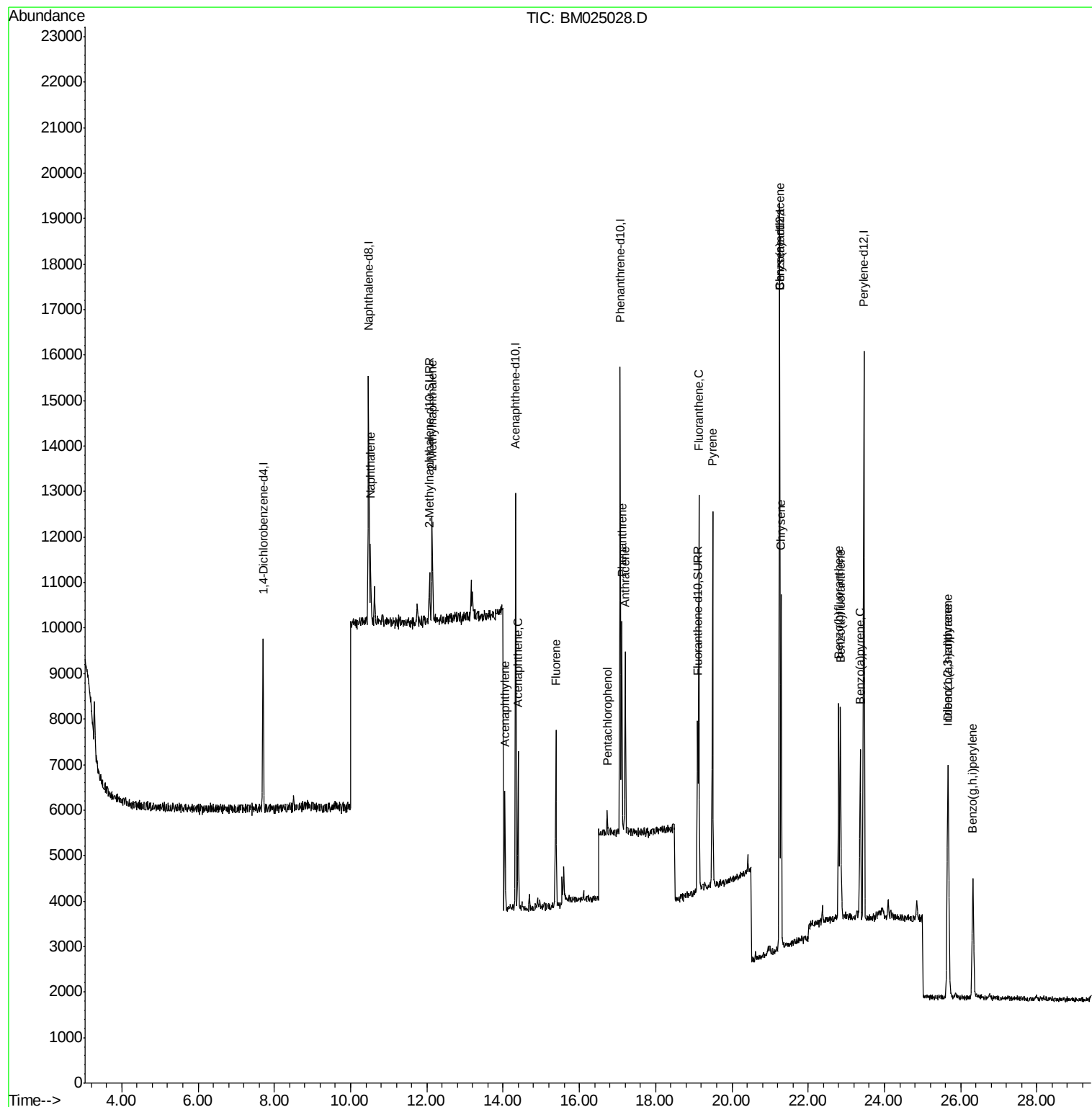
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	1913	0.40	ng/ul	0.00
2) Naphthalene-d8	10.47	136	7391	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.33	164	4952	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	12141	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13369	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	14834	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.07	152	1389	0.11	ng/ul	0.00
14) Fluoranthene-d10	19.10	212	4141	0.12	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.52	128	2323	0.110	ng/ul#	54
5) 2-Methylnaphthalene	12.14	142	1616	0.112	ng/ul	99
7) Acenaphthylene	14.04	152	2833	0.124	ng/ul#	78
8) Acenaphthene	14.39	153	1984	0.103	ng/ul	94
9) Fluorene	15.38	166	2531	0.115	ng/ul#	90
11) Pentachlorophenol	16.73	266	314	0.128	ng/ul#	91
12) Phenanthrene	17.11	178	4881	0.126	ng/ul#	87
13) Anthracene	17.20	178	4161	0.125	ng/ul#	84
15) Fluoranthene	19.13	202	8001	0.192	ng/ul	90
17) Pyrene	19.49	202	7317	0.121	ng/ul#	88
18) Benzo(a)anthracene	21.24	228	6423	0.126	ng/ul#	93
19) Chrysene	21.29	228	6517	0.121	ng/ul#	92
21) Benzo(b)fluoranthene	22.80	252	5831	0.090	ng/ul#	67
22) Benzo(k)fluoranthene	22.85	252	5802	0.088	ng/ul#	64
23) Benzo(a)pyrene	23.36	252	5317	0.094	ng/ul#	56
24) Indeno(1,2,3-cd)pyrene	25.65	276	6506	0.095	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.68	278	5543	0.100	ng/ul#	72
26) Benzo(g,h,i)perylene	26.32	276	5546	0.101	ng/ul#	70

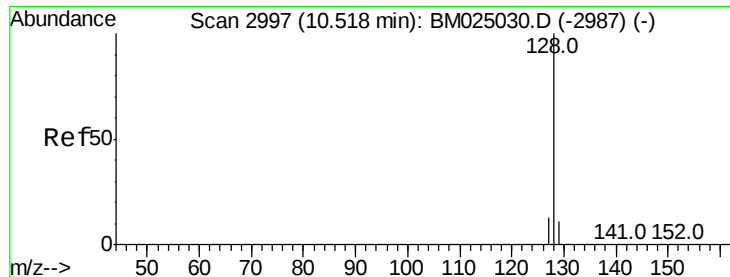
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.110 ng/ul

RT: 10.52 min Scan# 2997

Delta R.T. 0.00 min

Lab File: BM025028.D

Acq: 24 Feb 2020 18:59

Instrument :

BNA_M

ClientSampleId :

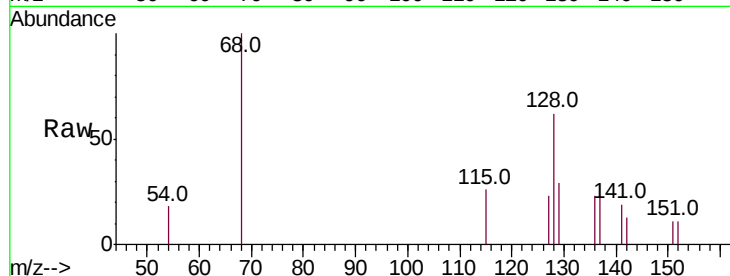
Tot Ion:128 Resp: 2323

Ion Ratio Lower Upper

128 100

129 47.0 17.0 25.6#

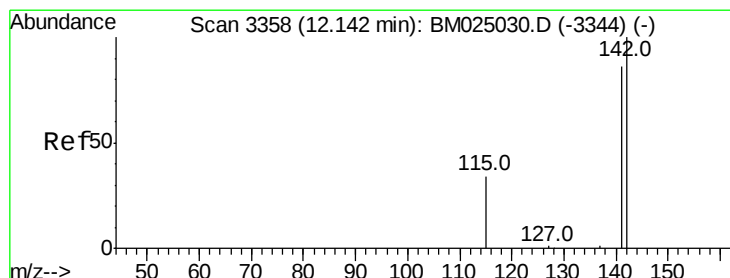
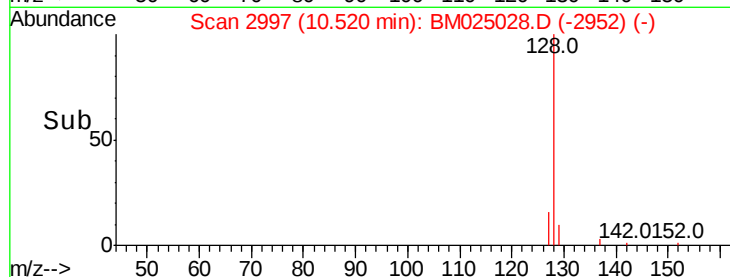
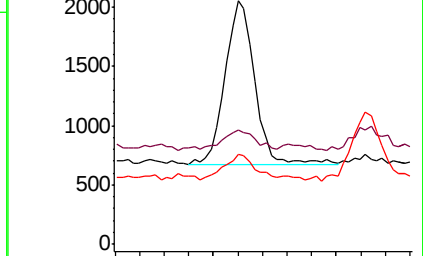
127 36.7 15.7 23.5#



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: 0.112 ng/ul

RT: 12.14 min Scan# 3357

Delta R.T. -0.00 min

Lab File: BM025028.D

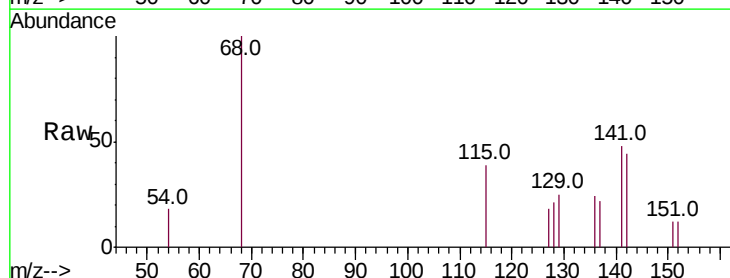
Acq: 24 Feb 2020 18:59

Tgt Ion:142 Resp: 1616

Ion Ratio Lower Upper

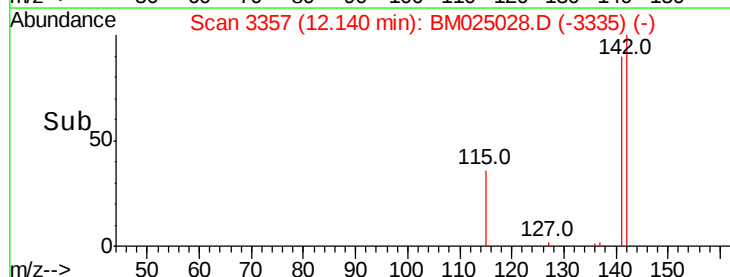
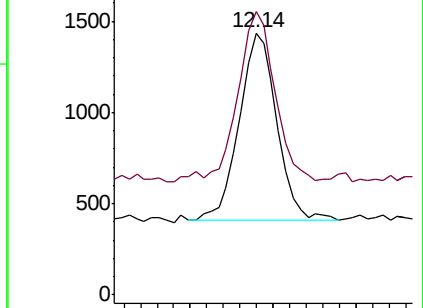
142 100

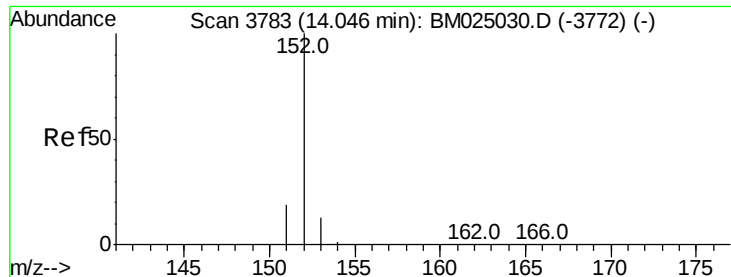
141 86.8 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.124 ng/ul

RT: 14.04 min Scan# 3782

Delta R.T. -0.00 min

Lab File: BM025028.D

Acq: 24 Feb 2020 18:59

Instrument :

BNA_M

ClientSampleId :

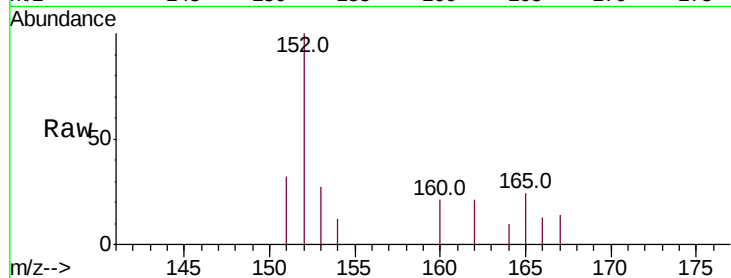
Tot Ion:152 Resp: 2833

Ion Ratio Lower Upper

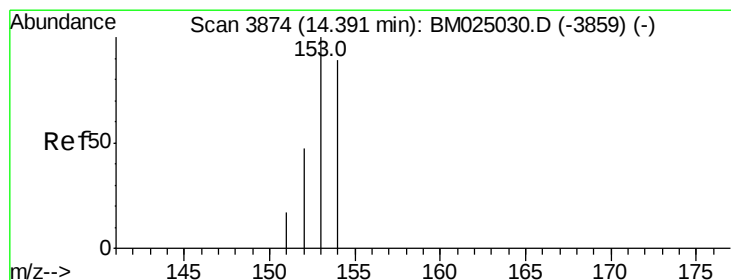
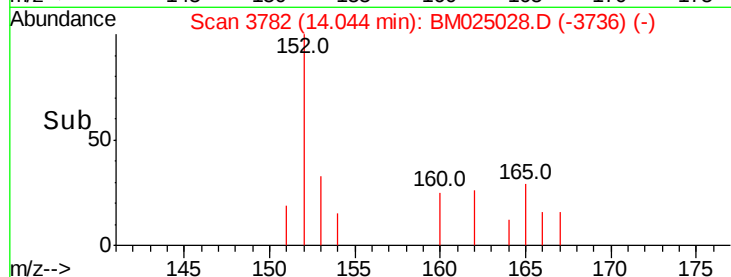
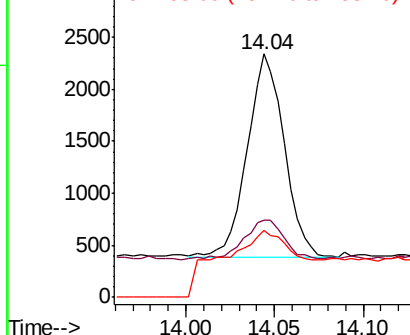
152 100

151 31.7 17.8 26.8#

153 27.3 13.3 19.9#



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: 0.103 ng/ul

RT: 14.39 min Scan# 3874

Delta R.T. 0.00 min

Lab File: BM025028.D

Acq: 24 Feb 2020 18:59

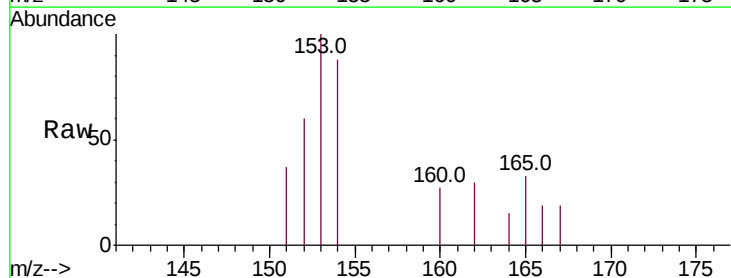
Tgt Ion:153 Resp: 1984

Ion Ratio Lower Upper

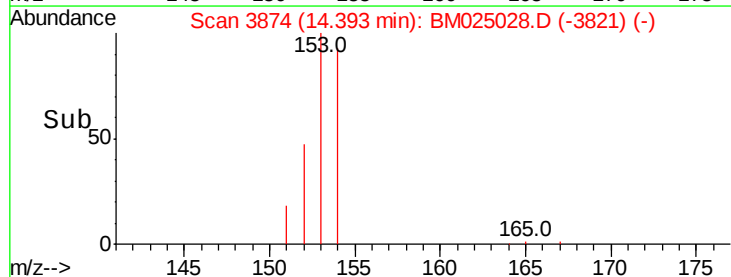
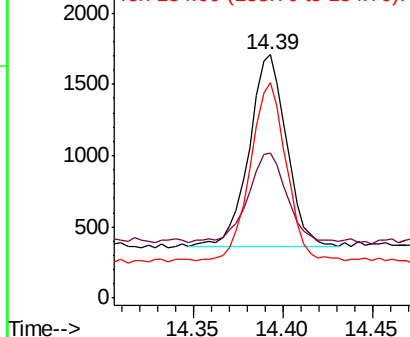
153 100

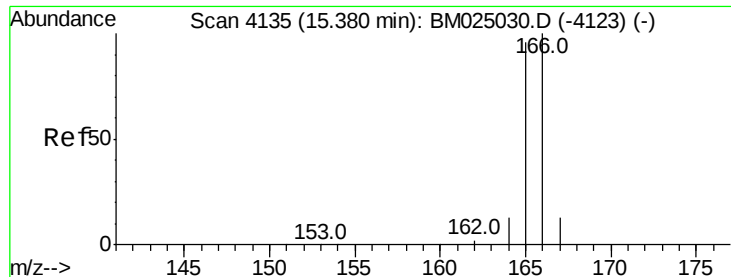
152 59.8 40.0 60.0

154 88.2 71.0 106.6



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: 0.115 ng/ul

RT: 15.38 min Scan# 4135

Delta R.T. 0.00 min

Lab File: BM025028.D

Acq: 24 Feb 2020 18:59

Instrument :

BNA_M

ClientSampleId :

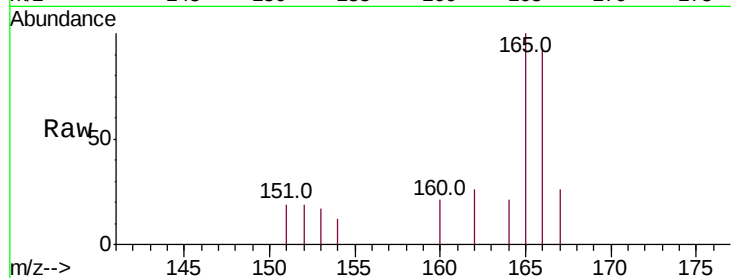
Tot Ion:166 Resp: 2531

Ion Ratio Lower Upper

166 100

165 107.5 80.0 120.0

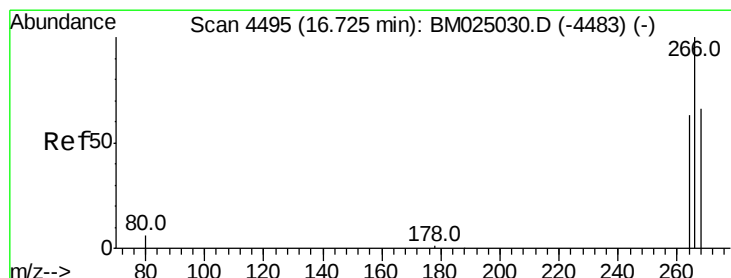
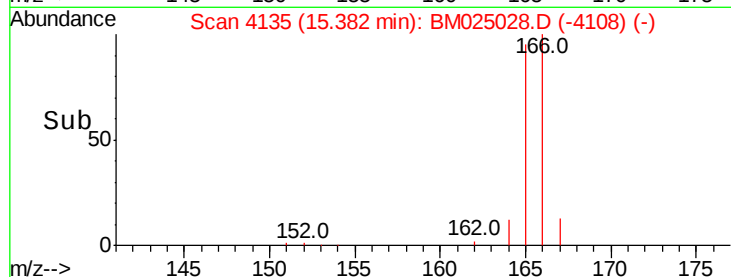
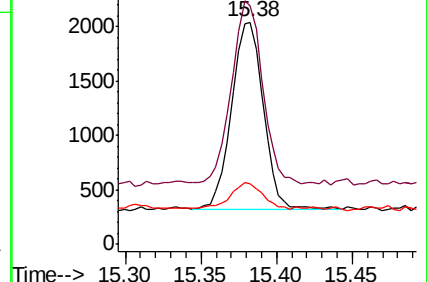
167 27.5 13.7 20.5#



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



#11

Pentachlorophenol

Concen: 0.128 ng/ul

RT: 16.73 min Scan# 4495

Delta R.T. 0.00 min

Lab File: BM025028.D

Acq: 24 Feb 2020 18:59

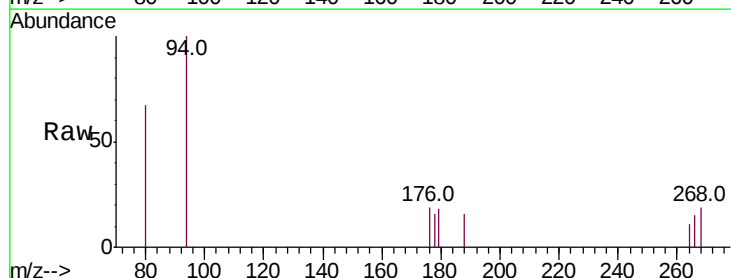
Tgt Ion:266 Resp: 314

Ion Ratio Lower Upper

266 100

264 64.0 49.8 74.6

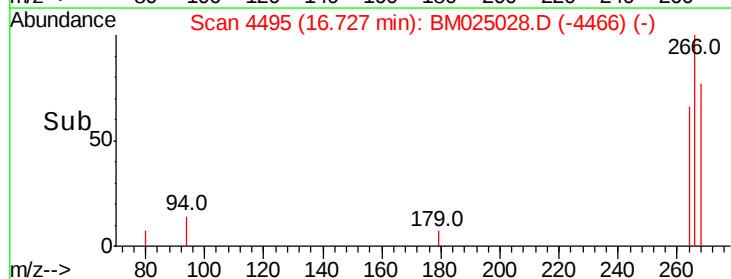
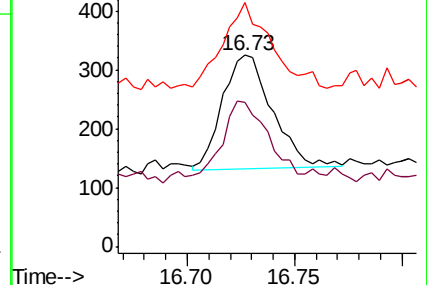
268 73.6 49.0 73.4#

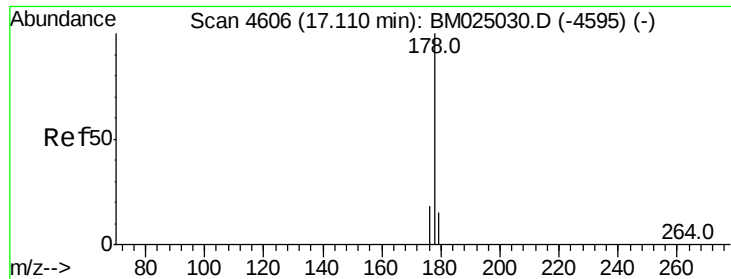


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.126 ng/ul

RT: 17.11 min Scan# 4606

Delta R.T. 0.00 min

Lab File: BM025028.D

Acq: 24 Feb 2020 18:59

Instrument :

BNA_M

ClientSampleId :

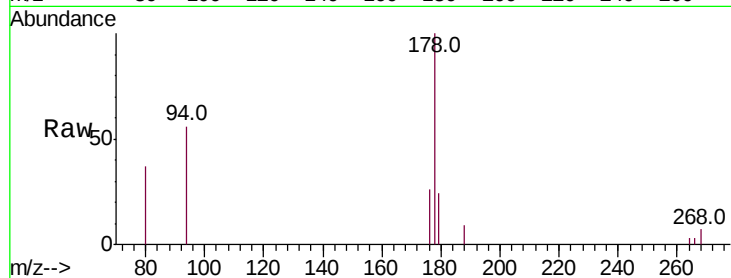
Tot Ion:178 Resp: 4881

Ion Ratio Lower Upper

178 100

179 24.2 14.0 21.0#

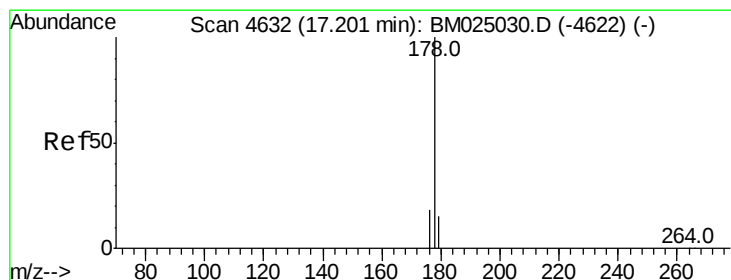
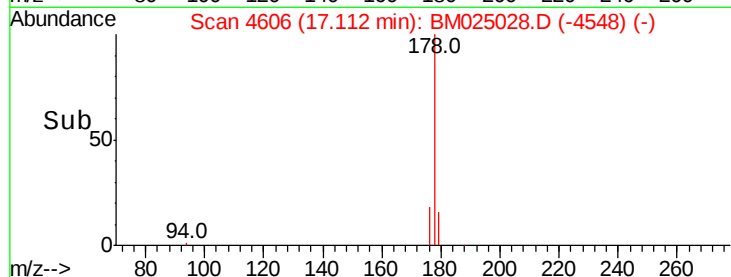
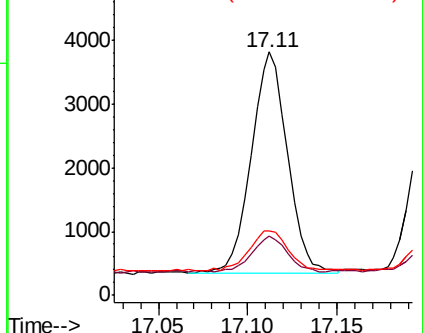
176 26.3 16.6 24.8#



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: 0.125 ng/ul

RT: 17.20 min Scan# 4632

Delta R.T. 0.00 min

Lab File: BM025028.D

Acq: 24 Feb 2020 18:59

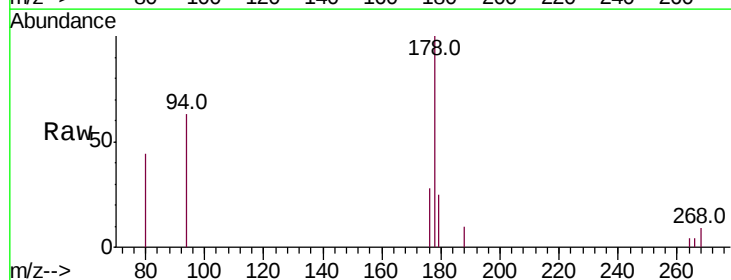
Tgt Ion:178 Resp: 4161

Ion Ratio Lower Upper

178 100

179 24.9 14.1 21.1#

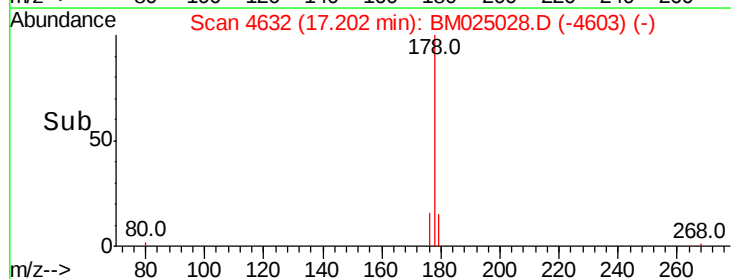
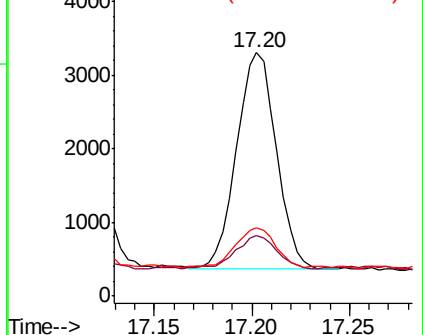
176 27.9 16.2 24.4#

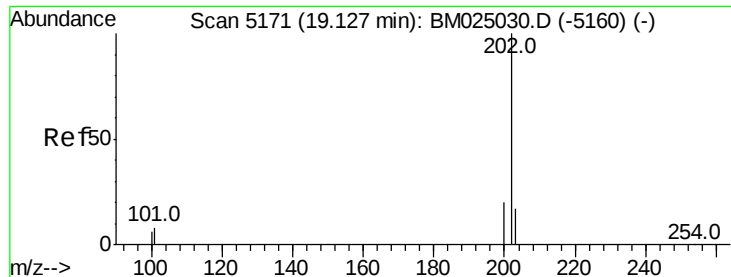


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

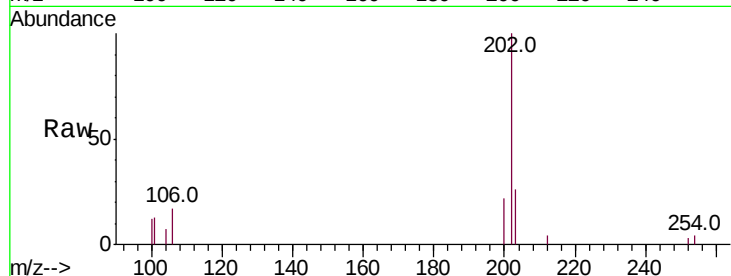




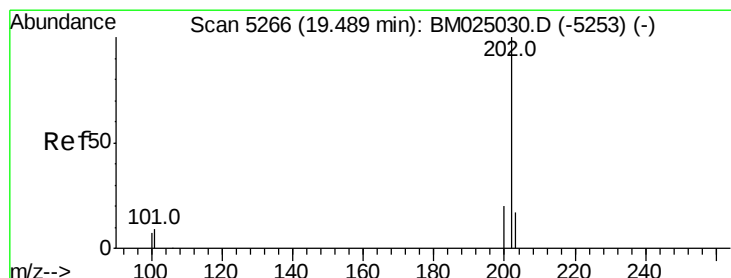
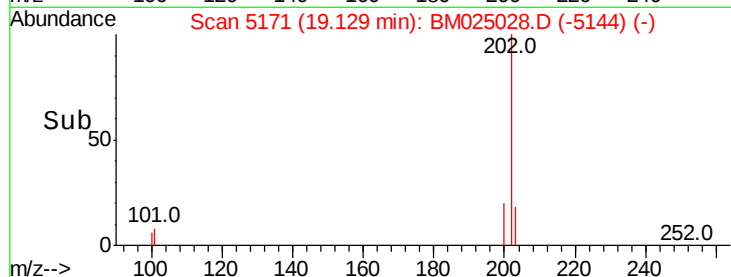
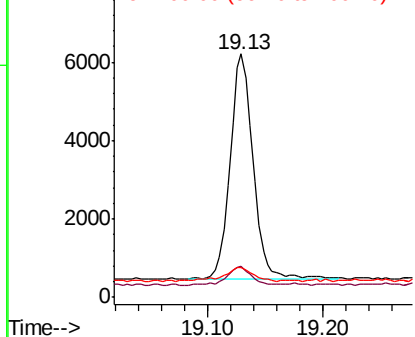
#15
Fluoranthene
Concen: 0.192 ng/ul
RT: 19.13 min Scan# 5171
Delta R.T. 0.00 min
Lab File: BM025028.D
Acq: 24 Feb 2020 18:59

Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 8001
Ion Ratio Lower Upper
202 100
101 12.6 0.0 29.4
100 12.2 0.0 28.0

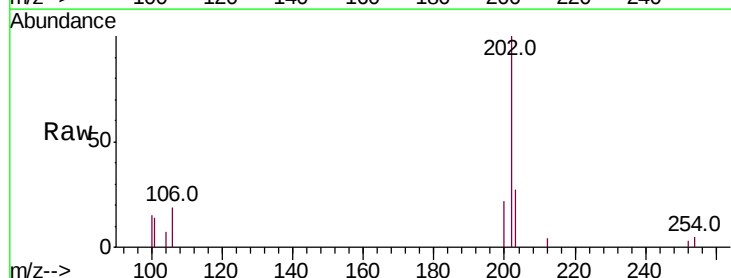


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

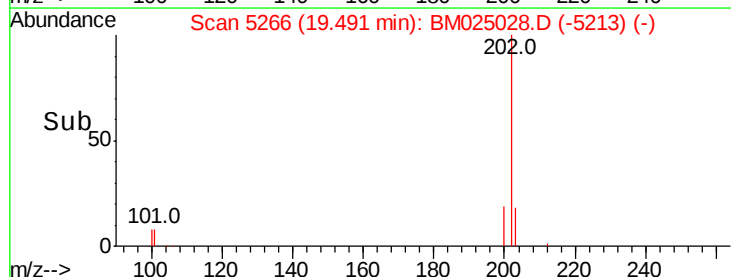
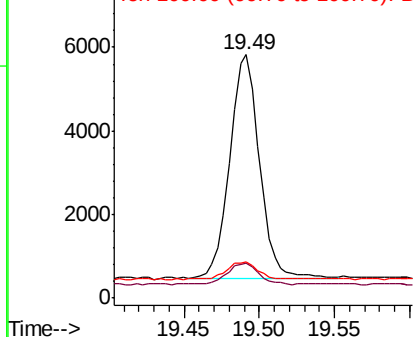


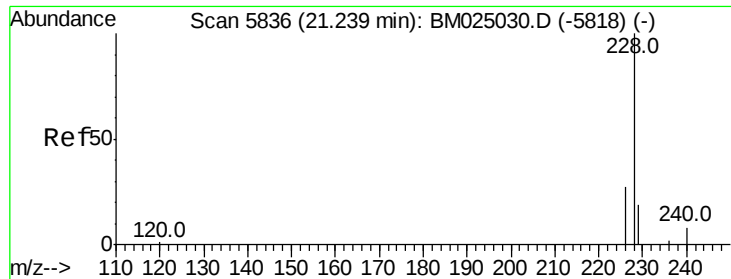
#17
Pyrene
Concen: 0.121 ng/ul
RT: 19.49 min Scan# 5266
Delta R.T. 0.00 min
Lab File: BM025028.D
Acq: 24 Feb 2020 18:59

Tgt Ion:202 Resp: 7317
Ion Ratio Lower Upper
202 100
101 14.2 8.7 13.1#
100 15.1 7.3 10.9#



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: 0.126 ng/ul

RT: 21.24 min Scan# 5836

Delta R.T. 0.00 min

Lab File: BM025028.D

Acq: 24 Feb 2020 18:59

Instrument :

BNA_M

ClientSampleId :

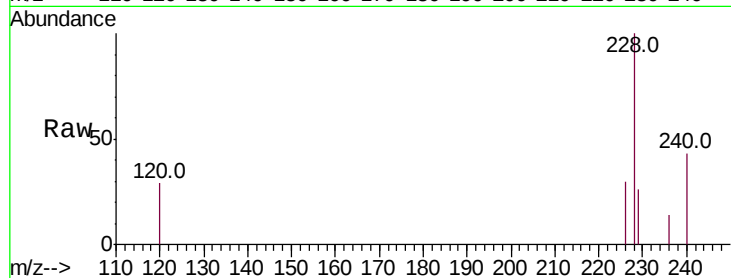
Tot Ion:228 Resp: 6423

Ion Ratio Lower Upper

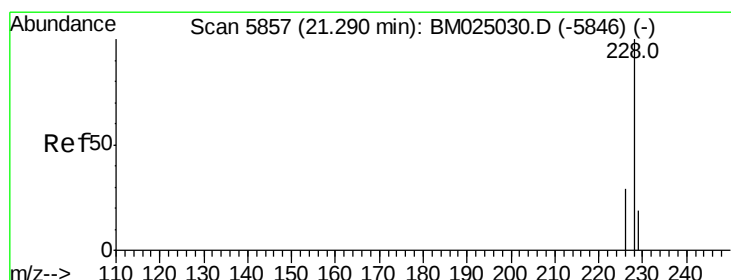
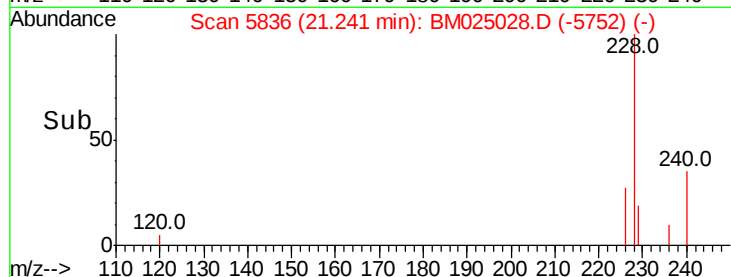
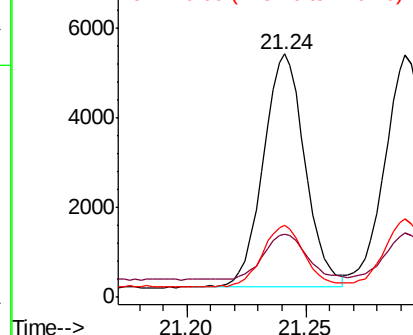
228 100

229 25.8 16.6 25.0#

226 29.7 21.9 32.9



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: 0.121 ng/ul

RT: 21.29 min Scan# 5857

Delta R.T. 0.00 min

Lab File: BM025028.D

Acq: 24 Feb 2020 18:59

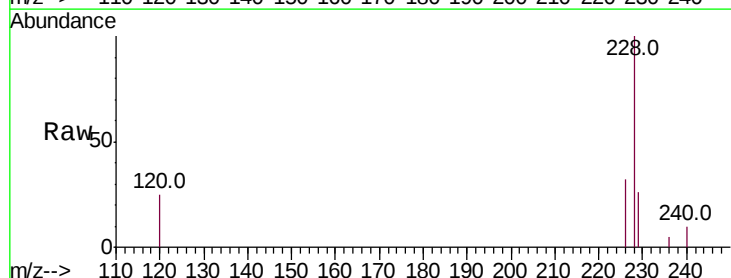
Tgt Ion:228 Resp: 6517

Ion Ratio Lower Upper

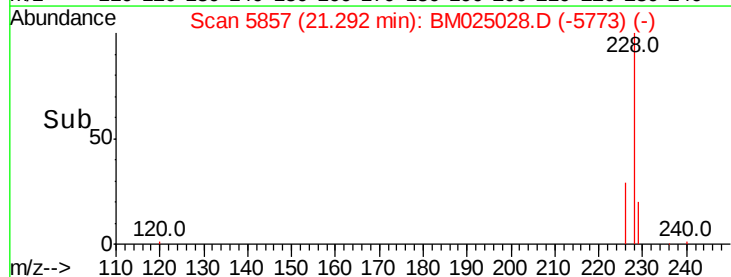
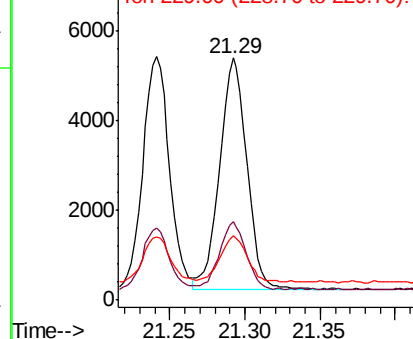
228 100

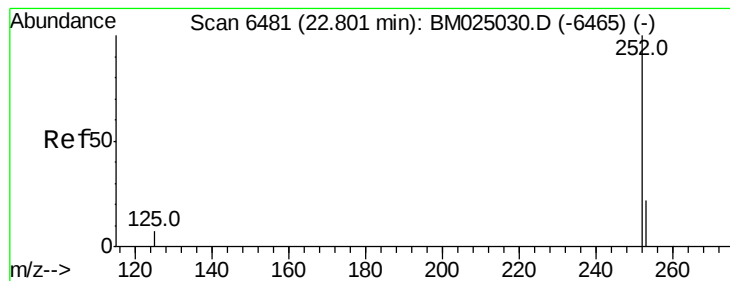
226 32.5 23.8 35.8

229 26.5 16.9 25.3#



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: 0.090 ng/ul

RT: 22.80 min Scan# 6481

Delta R.T. 0.00 min

Lab File: BM025028.D

Acq: 24 Feb 2020 18:59

Instrument :

BNA_M

ClientSampleId :

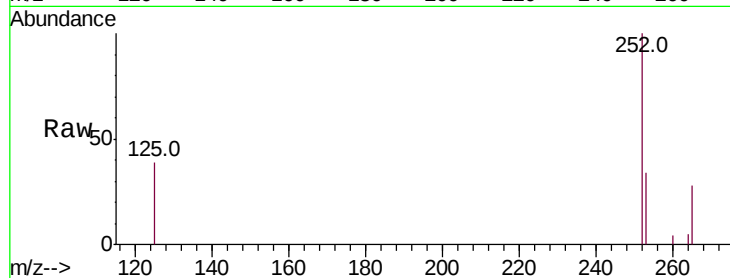
Tot Ion:252 Resp: 5831

Ion Ratio Lower Upper

252 100

253 34.0 0.0 49.8

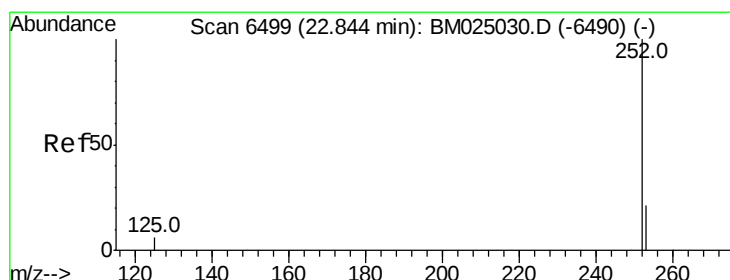
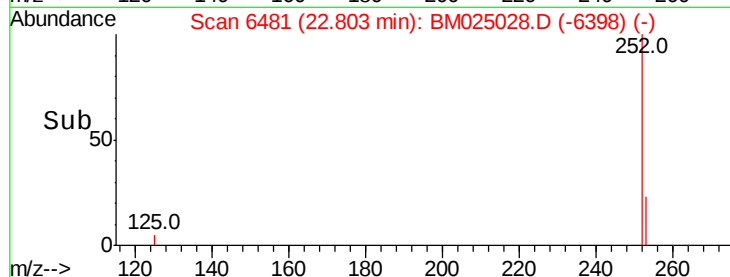
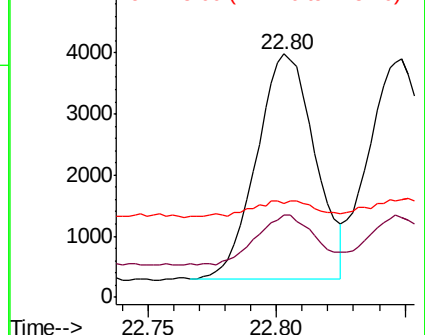
125 38.6 0.0 28.6#



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: 0.088 ng/ul

RT: 22.85 min Scan# 6500

Delta R.T. 0.00 min

Lab File: BM025028.D

Acq: 24 Feb 2020 18:59

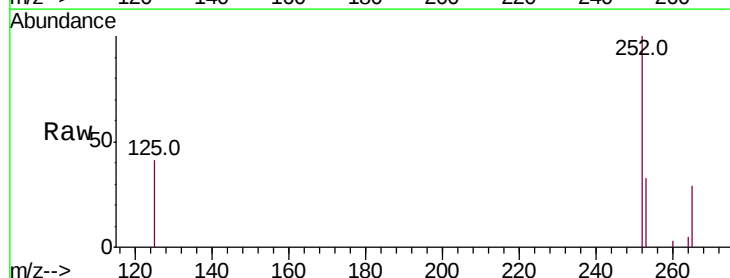
Tgt Ion:252 Resp: 5802

Ion Ratio Lower Upper

252 100

253 33.2 19.4 29.0#

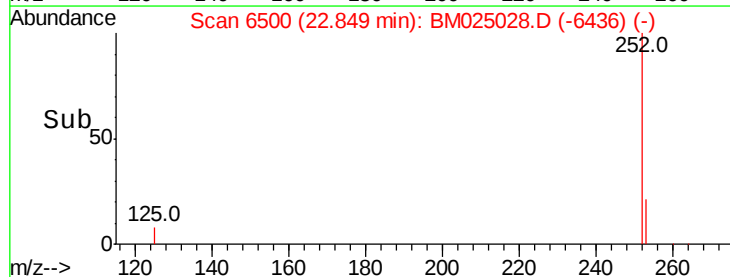
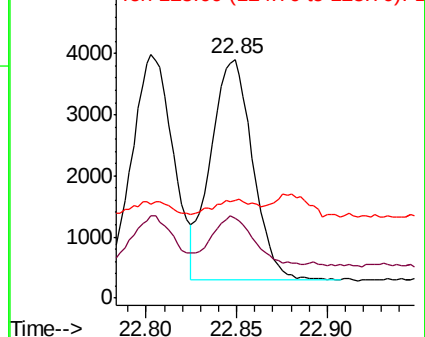
125 40.9 10.7 16.1#

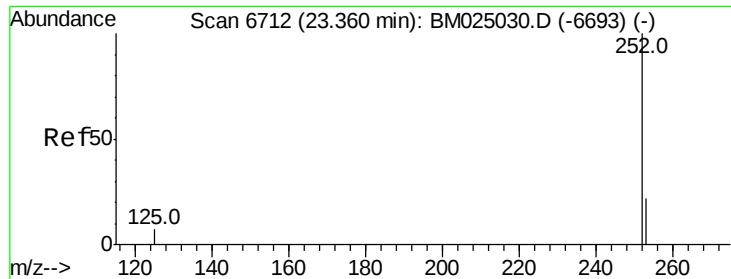


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.094 ng/ul

RT: 23.36 min Scan# 6712

Delta R.T. 0.00 min

Lab File: BM025028.D

Acq: 24 Feb 2020 18:59

Instrument :

BNA_M

ClientSampleId :

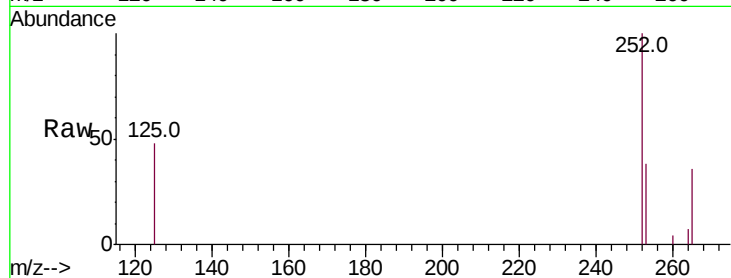
Tot Ion:252 Resp: 5317

Ion Ratio Lower Upper

252 100

253 37.5 20.3 30.5#

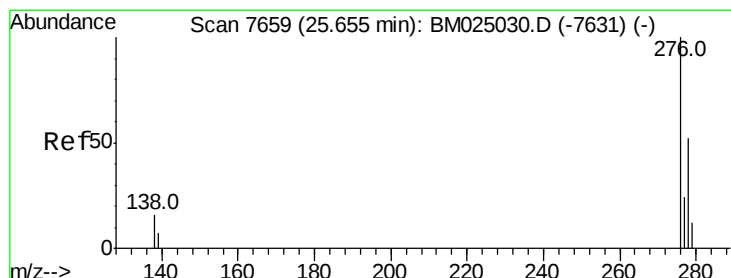
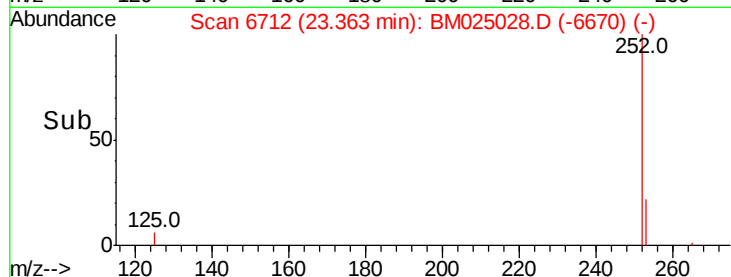
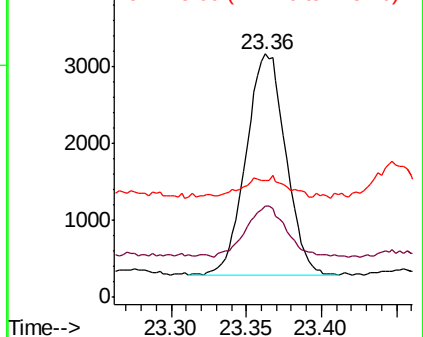
125 48.0 13.0 19.4#



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: 0.095 ng/ul

RT: 25.65 min Scan# 7658

Delta R.T. -0.00 min

Lab File: BM025028.D

Acq: 24 Feb 2020 18:59

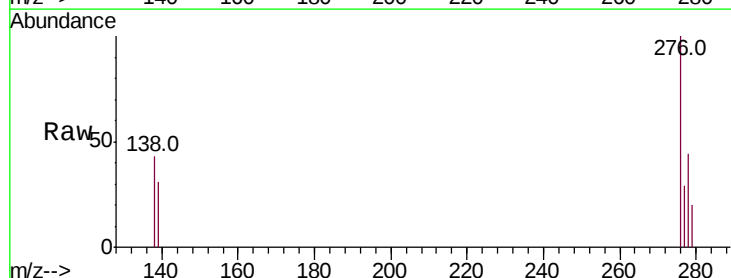
Tgt Ion:276 Resp: 6506

Ion Ratio Lower Upper

276 100

138 16.3 0.0 0.0#

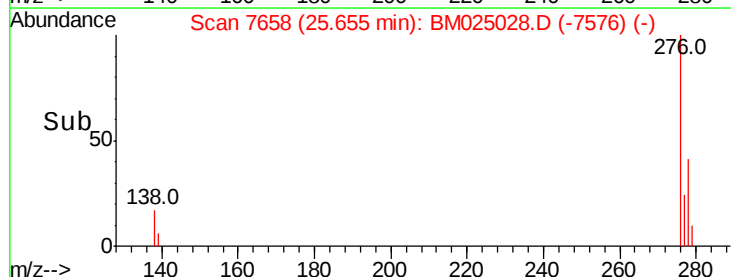
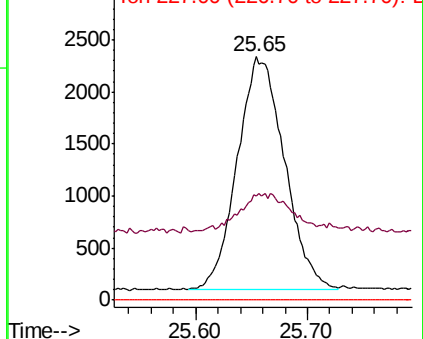
227 0.0 0.0 0.0

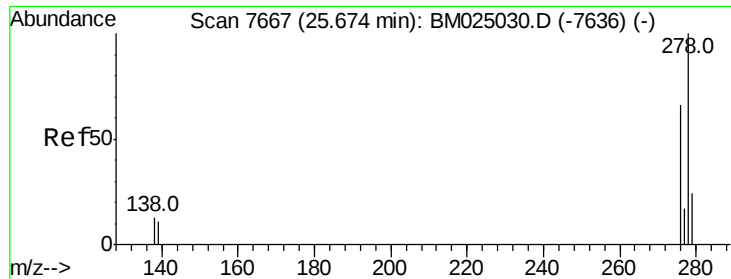


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.100 ng/ul

RT: 25.68 min Scan# 7668

Delta R.T. 0.00 min

Lab File: BM025028.D

Acq: 24 Feb 2020 18:59

Instrument :

BNA_M

ClientSampleId :

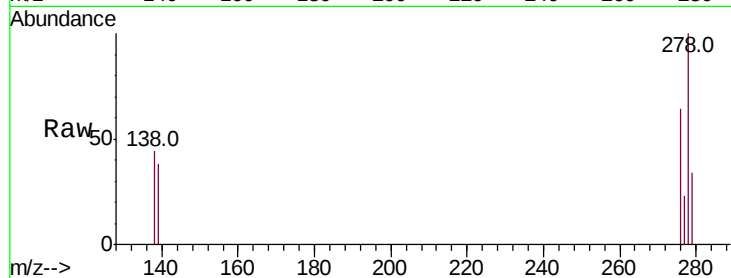
Tot Ion:278 Resp: 5543

Ion Ratio Lower Upper

278 100

139 38.0 13.2 19.8#

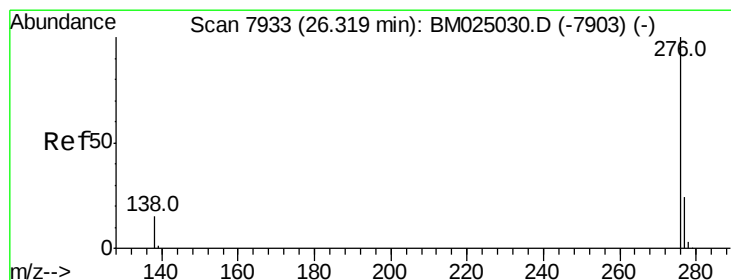
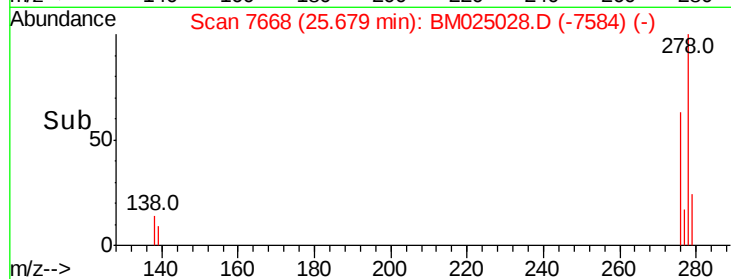
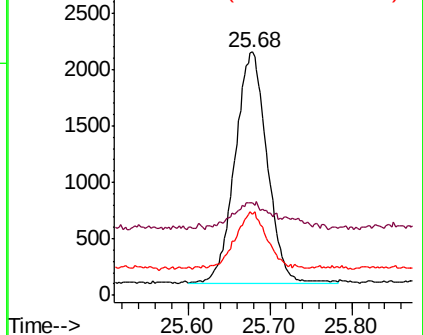
279 33.5 21.0 31.4#



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(g,h,i)perylene

Concen: 0.101 ng/ul

RT: 26.32 min Scan# 7933

Delta R.T. 0.00 min

Lab File: BM025028.D

Acq: 24 Feb 2020 18:59

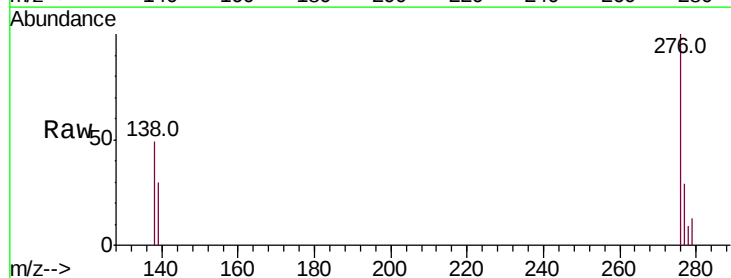
Tgt Ion:276 Resp: 5546

Ion Ratio Lower Upper

276 100

138 48.8 17.9 26.9#

277 29.5 20.5 30.7



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

