

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022720\
 Data File : BM025114.D
 Acq On : 27 Feb 2020 21:39
 Operator : CG/JU
 Sample : L1582-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 28 04:27:22 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 11:03:43 2020
 Response via : Initial Calibration

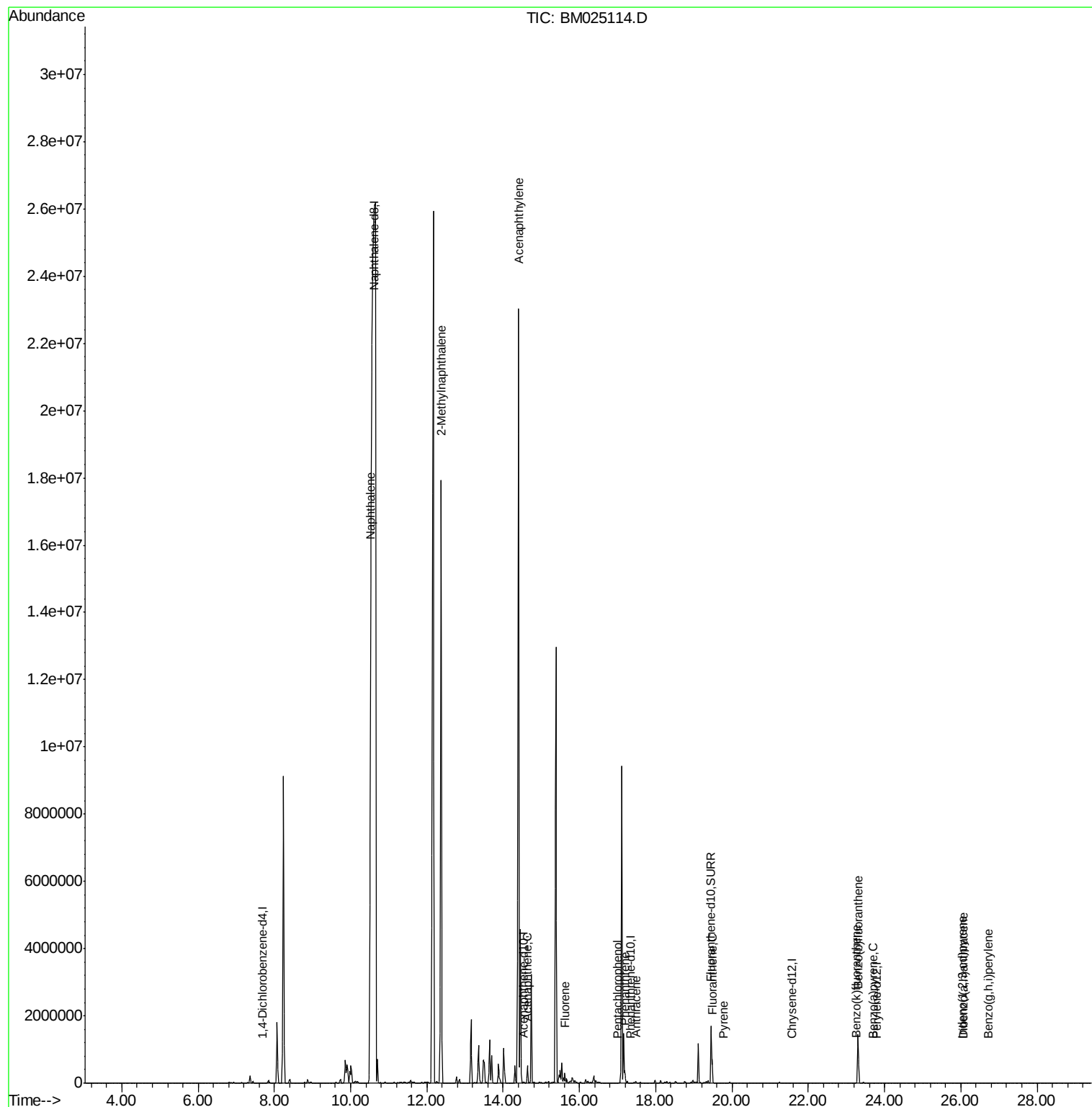
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	2955	0.40	ng/ul	0.00
2) Naphthalene-d8	10.62	136	665508	0.40	ng/ul	0.15
6) Acenaphthene-d10	14.54	164	1264	0.40	ng/ul	0.21
10) Phenanthrene-d10	17.34	188	197	0.40	ng/ul	0.27
16) Chrysene-d12	21.57	240	474	0.40	ng/ul	0.32
20) Perylene-d12	23.81	264	21	0.40	ng/ul	0.36
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	7778	0.01	ng/ul	0.00
14) Fluoranthene-d10	19.45	212	1815270	2686.55	ng/ul	0.36
Target Compounds				Ovalue		
3) Naphthalene	10.52	128	81795057	40.375	ng/ul#	87
5) 2-Methylnaphthalene	12.38	142	14343163	9.812	ng/ul	99
7) Acenaphthylene	14.40	152	7742146	1062.401	ng/ul#	1
8) Acenaphthene	14.64	153	377532	77.103	ng/ul#	41
9) Fluorene	15.62	166	23608	3.842	ng/ul#	1
11) Pentachlorophenol	16.99	266	12	0.199	ng/ul#	1
12) Phenanthrene	17.19	178	281501	406.254	ng/ul	95
13) Anthracene	17.48	178	4472	6.659	ng/ul#	23
15) Fluoranthene	19.48	202	586394	582.600	ng/ul	100
17) Pyrene	19.78	202	1797	0.841	ng/ul#	1
21) Benzo(b)fluoranthene	23.31	252	5723	69.523	ng/ul	72
22) Benzo(k)fluoranthene	23.26	252	430	5.273	ng/ul#	1
23) Benzo(a)pyrene	23.71	252	29	0.386	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	26.05	276	4	0.042	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.07	278	3	0.038	ng/ul#	1
26) Benzo(a,h,i)perylene	26.72	276	7	0.088	ng/ul#	1

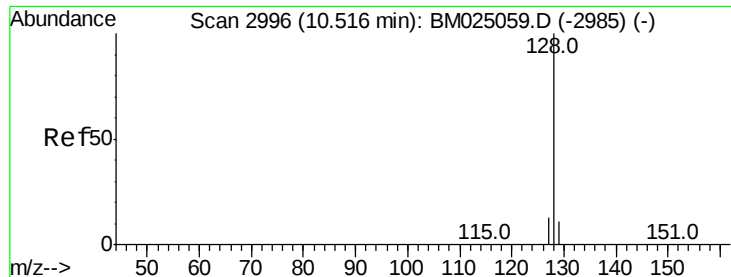
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 40.375 ng/ul

RT: 10.52 min Scan# 2997

Delta R.T. 0.00 min

Lab File: BM025114.D

Acq: 27 Feb 2020 21:39

Instrument :

BNA_M

ClientSampleId :

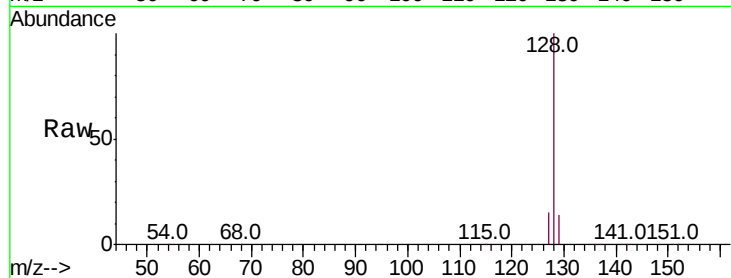
Tot Ion:128 Resp:81795057

Ion Ratio Lower Upper

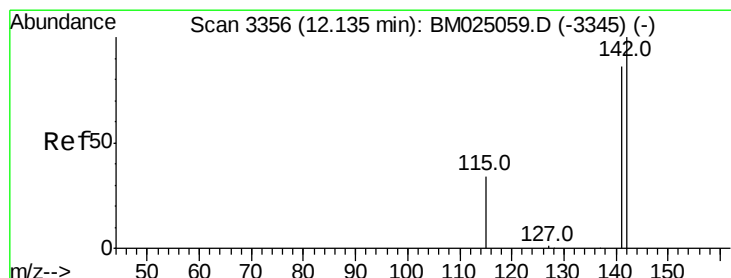
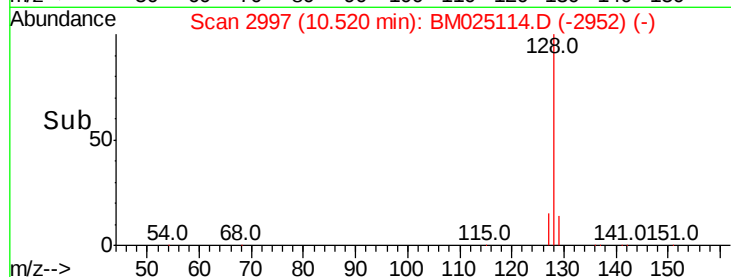
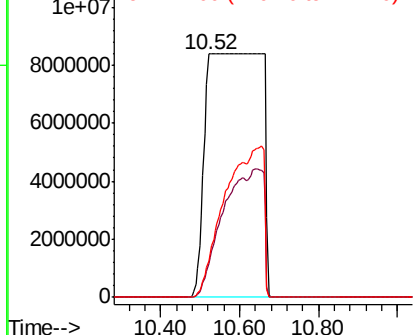
128 100

129 13.8 17.0 25.6#

127 15.1 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: 9.812 ng/ul

RT: 12.38 min Scan# 3410

Delta R.T. 0.24 min

Lab File: BM025114.D

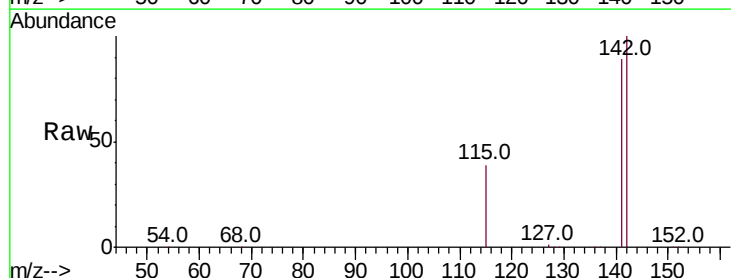
Acq: 27 Feb 2020 21:39

Tgt Ion:142 Resp:14343163

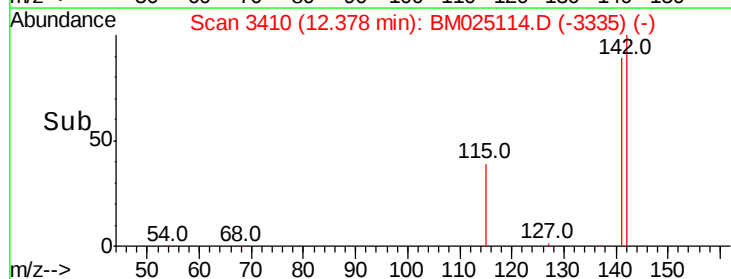
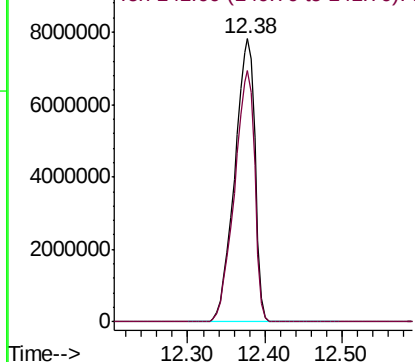
Ion Ratio Lower Upper

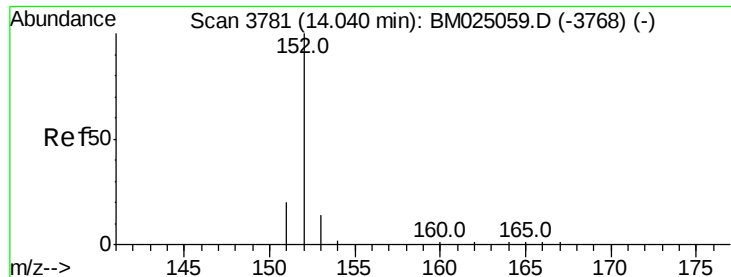
142 100

141 88.3 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: 1062.401 ng/ul

RT: 14.40 min Scan# 3877

Delta R.T. 0.36 min

Lab File: BM025114.D

Acq: 27 Feb 2020 21:39

Instrument :

BNA_M

ClientSampleId :

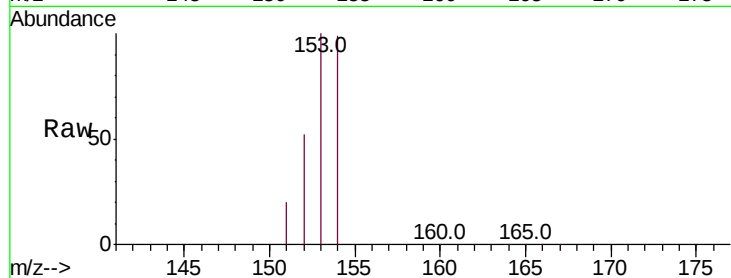
Tot Ion:152 Resp: 7742146

Ion Ratio Lower Upper

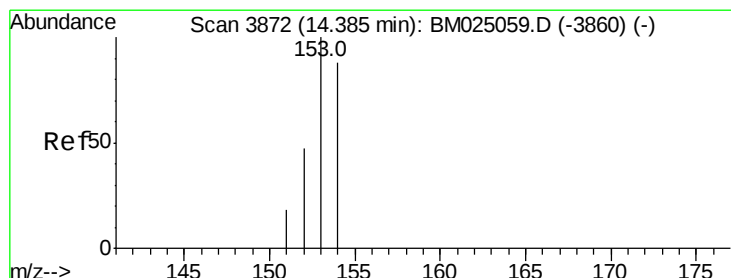
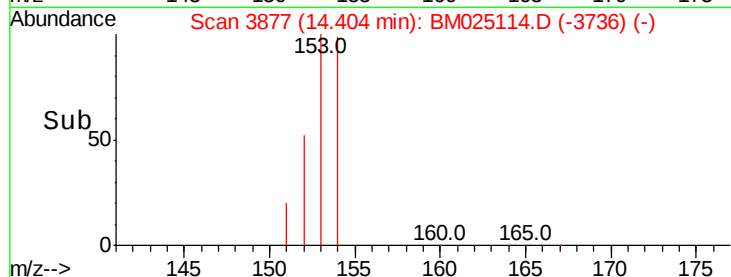
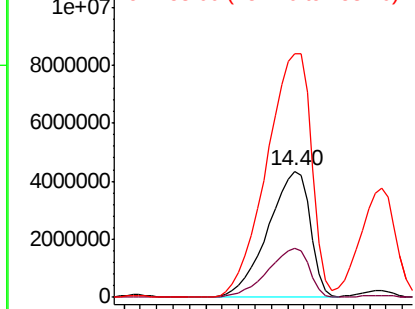
152 100

151 38.9 17.8 26.8#

153 193.2 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: 77.103 ng/ul

RT: 14.64 min Scan# 3938

Delta R.T. 0.24 min

Lab File: BM025114.D

Acq: 27 Feb 2020 21:39

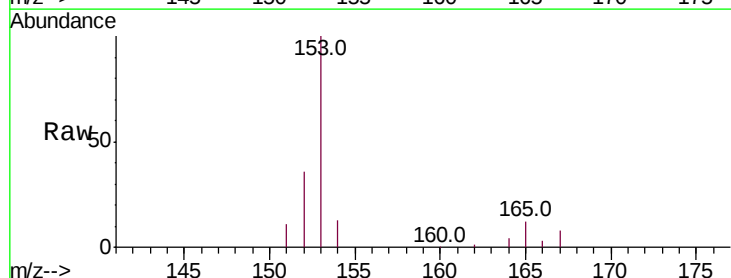
Tgt Ion:153 Resp: 377532

Ion Ratio Lower Upper

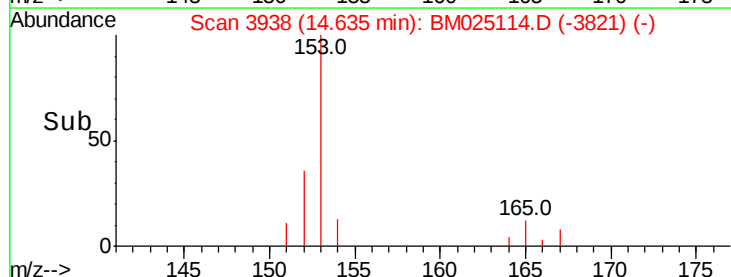
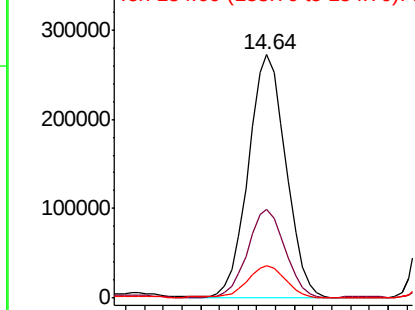
153 100

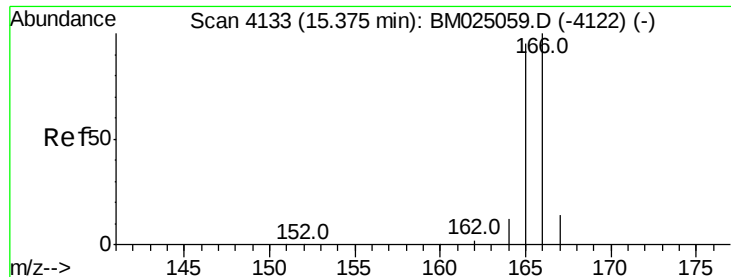
152 36.2 40.0 60.0#

154 13.4 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: 3.842 ng/ul

RT: 15.62 min Scan# 4198

Delta R.T. 0.24 min

Lab File: BM025114.D

Acq: 27 Feb 2020 21:39

Instrument :

BNA_M

ClientSampleId :

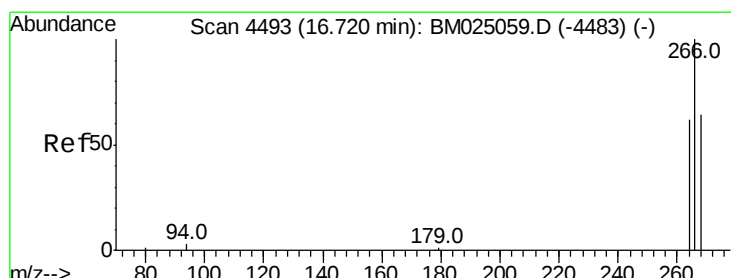
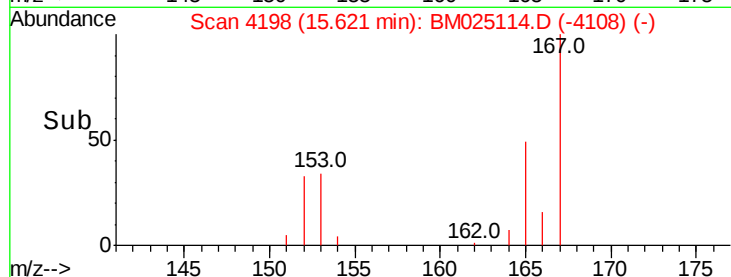
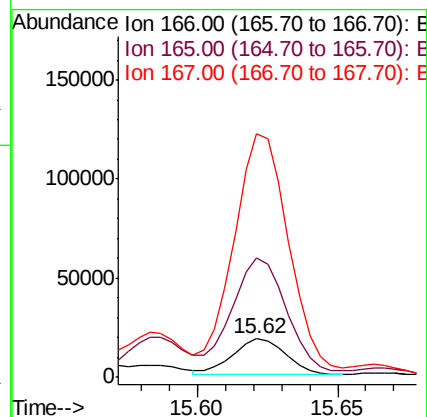
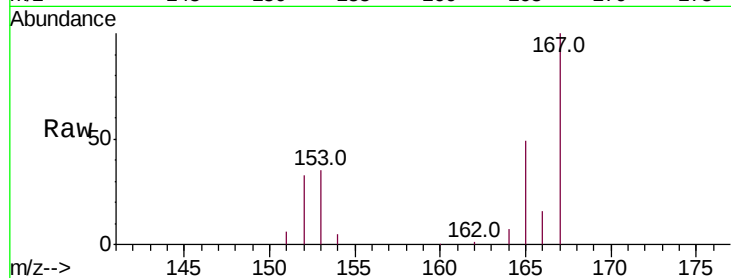
Tot Ion:166 Resp: 23608

Ion Ratio Lower Upper

166 100

165 311.5 80.0 120.0#

167 632.9 13.7 20.5#



#11

Pentachlorophenol

Concen: 0.199 ng/ul

RT: 16.99 min Scan# 4572

Delta R.T. 0.27 min

Lab File: BM025114.D

Acq: 27 Feb 2020 21:39

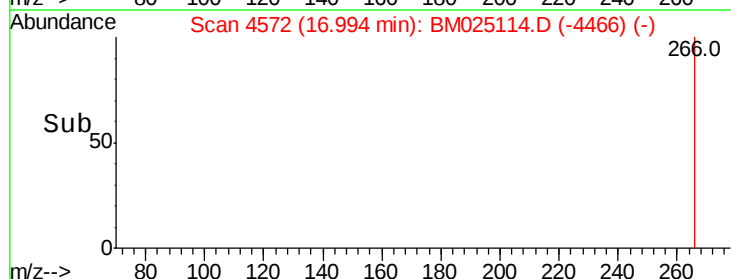
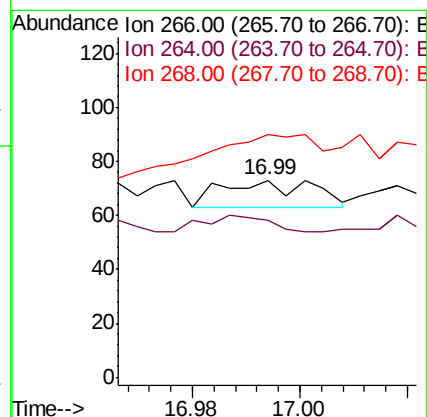
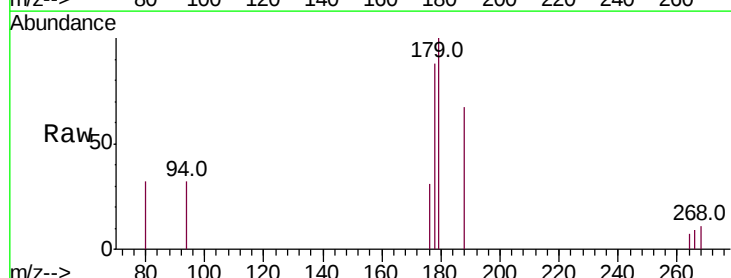
Tgt Ion:266 Resp: 12

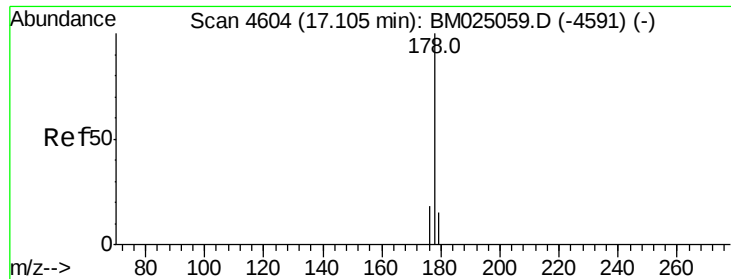
Ion Ratio Lower Upper

266 100

264 41.7 49.8 74.6#

268 308.3 49.0 73.4#





#12

Phenanthrene

Concen: 406.254 ng/ul

RT: 17.19 min Scan# 4629

Delta R.T. 0.08 min

Lab File: BM025114.D

Acq: 27 Feb 2020 21:39

Instrument :

BNA_M

ClientSampleId :

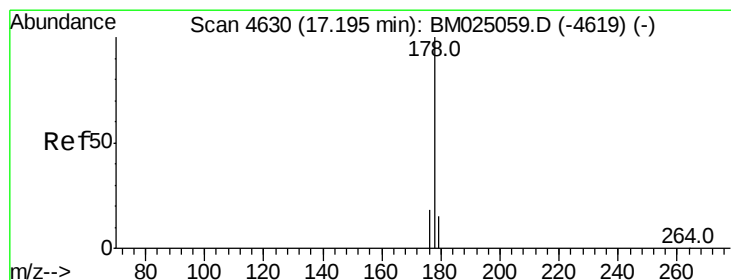
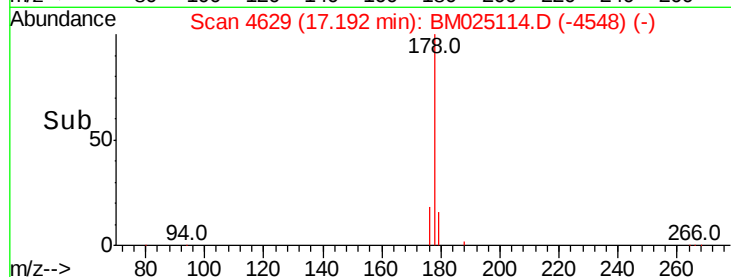
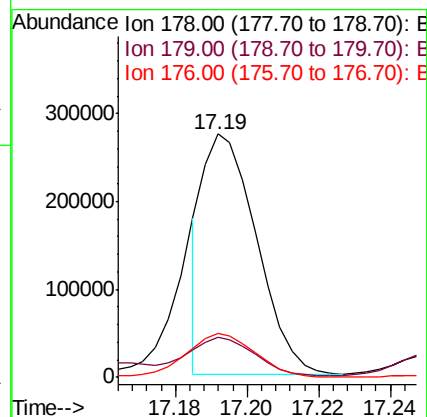
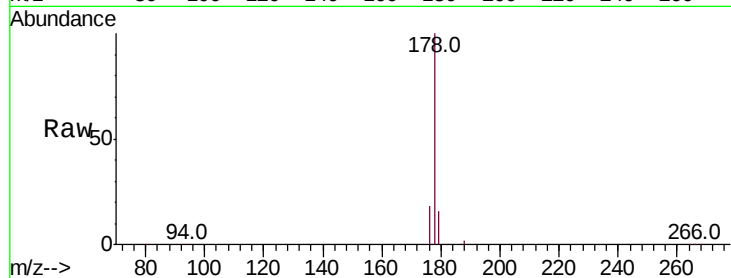
Tot Ion:178 Resp: 281501

Ion Ratio Lower Upper

178 100

179 16.3 14.0 21.0

176 17.9 16.6 24.8



#13

Anthracene

Concen: 6.659 ng/ul

RT: 17.48 min Scan# 4712

Delta R.T. 0.28 min

Lab File: BM025114.D

Acq: 27 Feb 2020 21:39

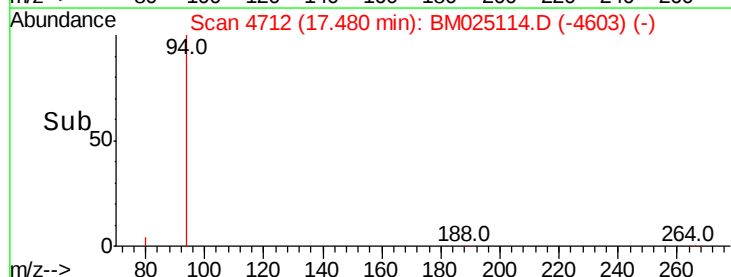
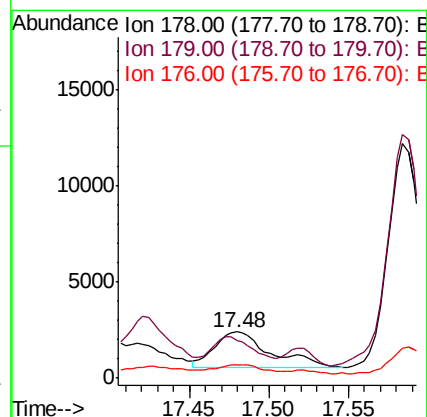
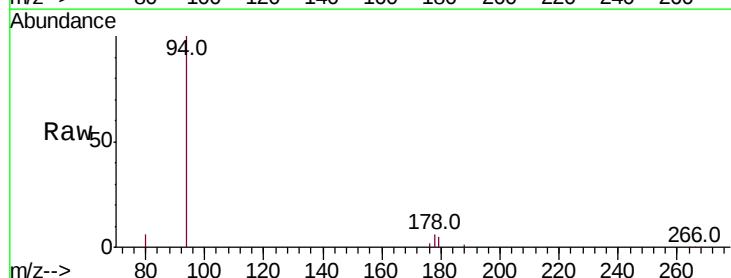
Tgt Ion:178 Resp: 4472

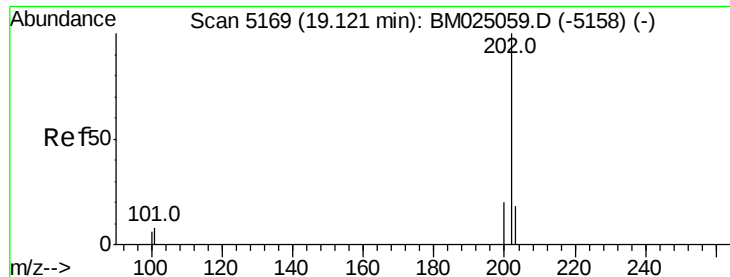
Ion Ratio Lower Upper

178 100

179 82.2 14.1 21.1#

176 27.9 16.2 24.4#

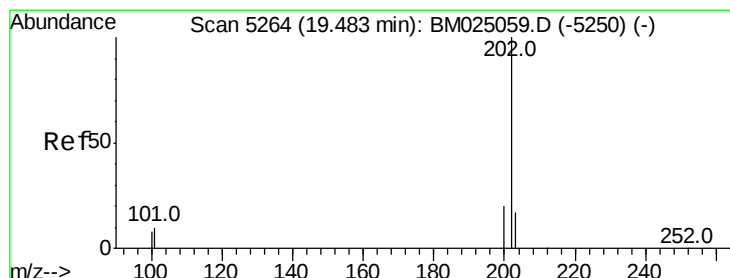
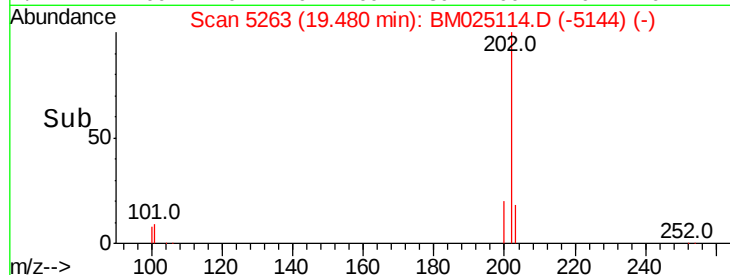
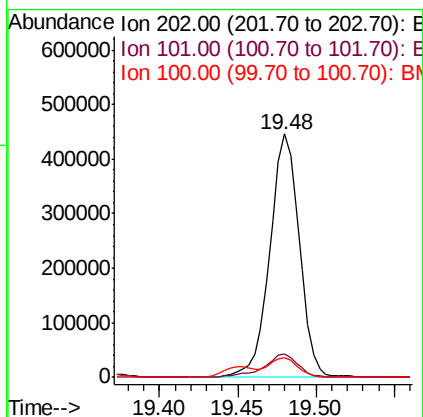
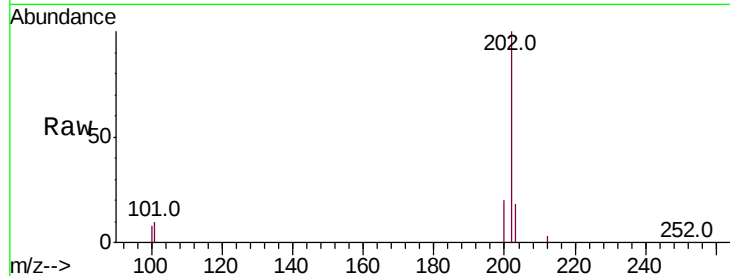




#15
Fluoranthene
Concen: 582.600 ng/ul
RT: 19.48 min Scan# 5263
Delta R.T. 0.35 min
Lab File: BM025114.D
Acq: 27 Feb 2020 21:39

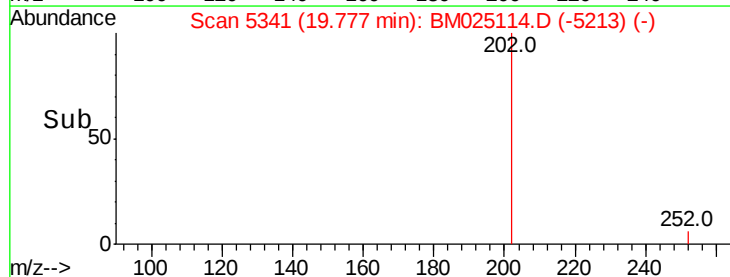
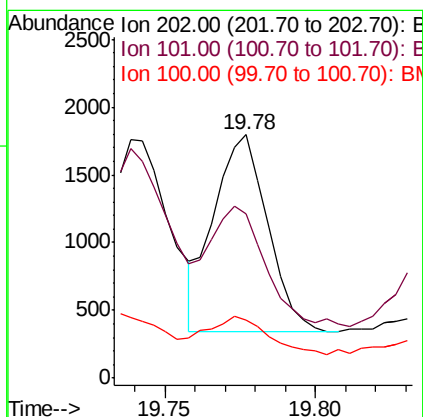
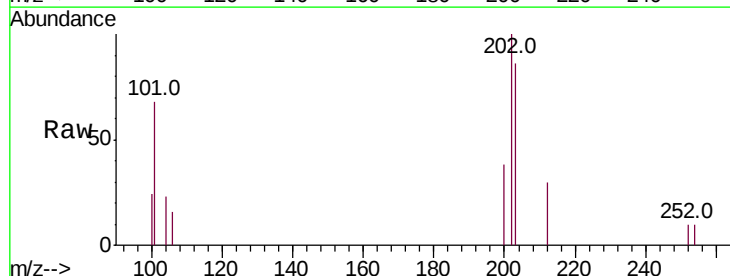
Instrument :
BNA_M
ClientSampleId :

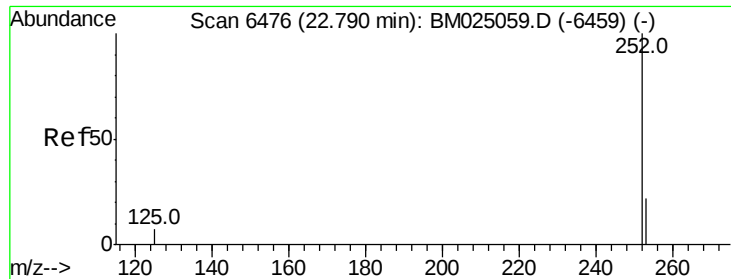
Tot Ion:202 Resp: 586394
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.4
100 7.9 0.0 28.0



#17
Pyrene
Concen: 0.841 ng/ul
RT: 19.78 min Scan# 5341
Delta R.T. 0.29 min
Lab File: BM025114.D
Acq: 27 Feb 2020 21:39

Tgt Ion:202 Resp: 1797
Ion Ratio Lower Upper
202 100
101 67.5 8.7 13.1#
100 24.0 7.3 10.9#





#21

Benzo(b)fluoranthene

Concen: 69.523 ng/ul

RT: 23.31 min Scan# 6690

Delta R.T. 0.51 min

Lab File: BM025114.D

Acq: 27 Feb 2020 21:39

Instrument :

BNA_M

ClientSampleId :

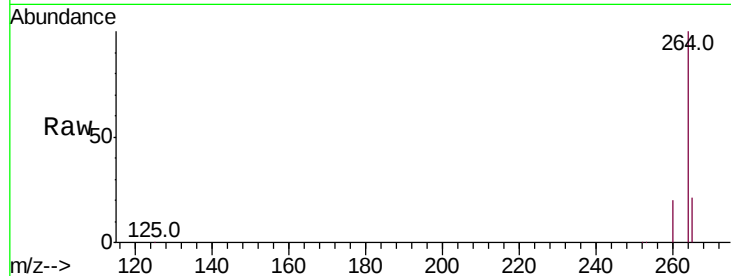
Tot Ion:252 Resp: 5723

Ion Ratio Lower Upper

252 100

253 37.3 0.0 49.8

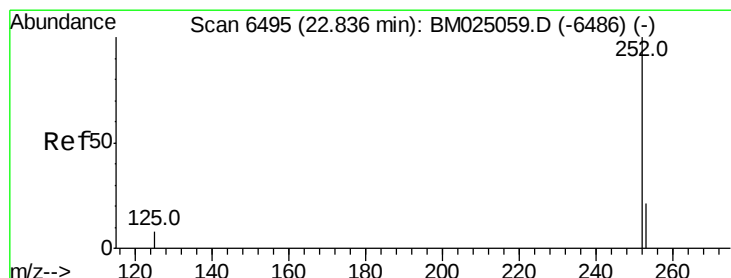
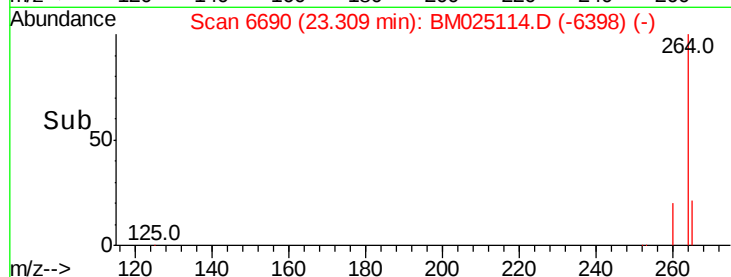
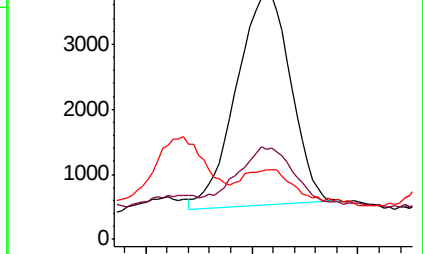
125 28.3 0.0 28.6



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: 5.273 ng/ul

RT: 23.26 min Scan# 6670

Delta R.T. 0.42 min

Lab File: BM025114.D

Acq: 27 Feb 2020 21:39

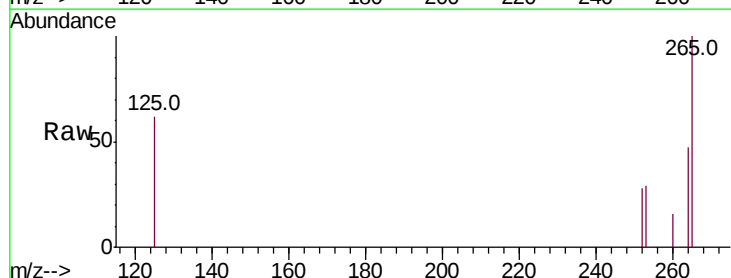
Tgt Ion:252 Resp: 430

Ion Ratio Lower Upper

252 100

253 102.9 19.4 29.0#

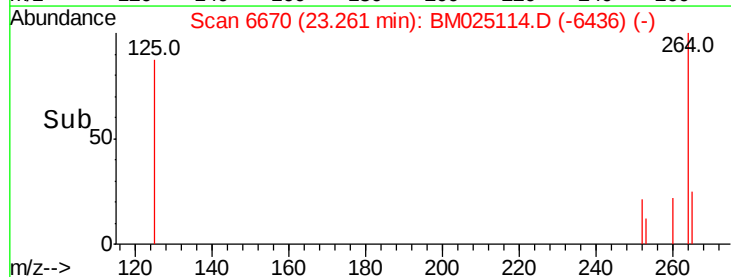
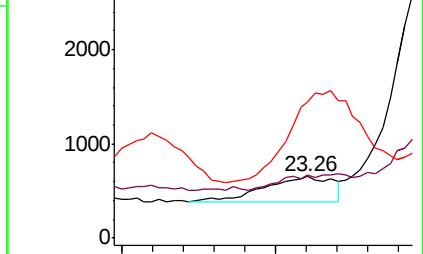
125 222.7 10.7 16.1#

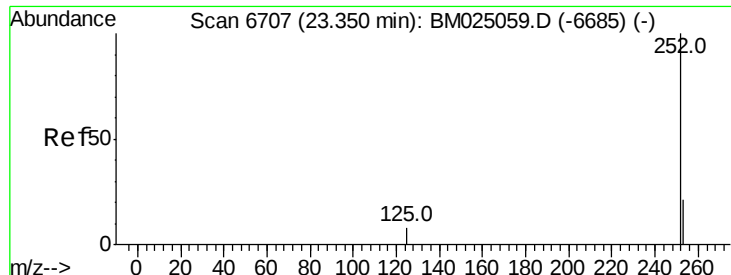


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.386 ng/u1

RT: 23.71 min Scan# 6856

Delta R.T. 0.35 min

Lab File: BM025114.D

Acq: 27 Feb 2020 21:39

Instrument :

BNA_M

ClientSampled :

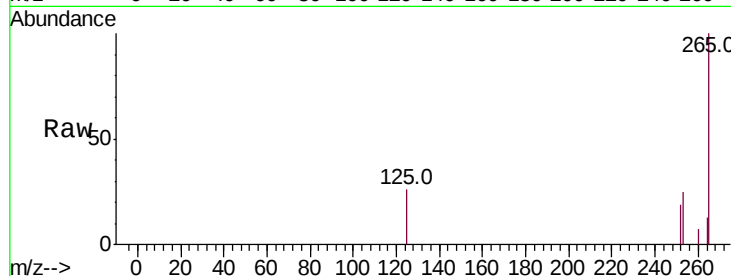
Tot Ion:252 Resp: 29

Ion Ratio Lower Upper

252 100

253 133.3 20.3 30.5#

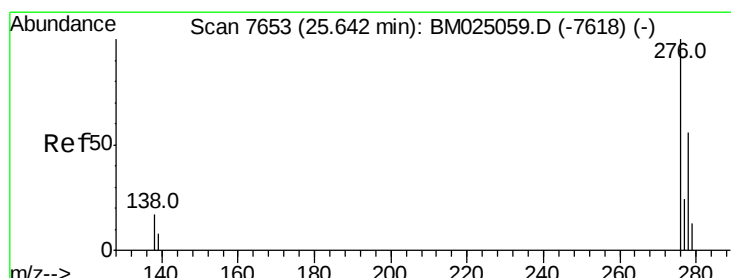
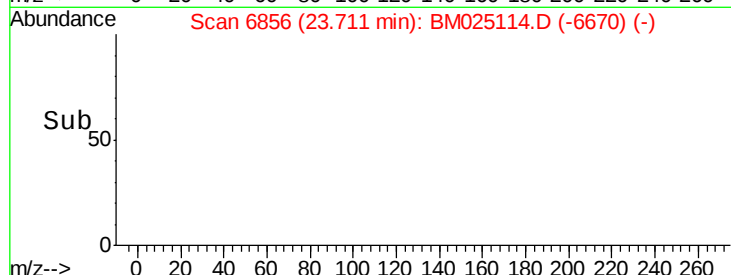
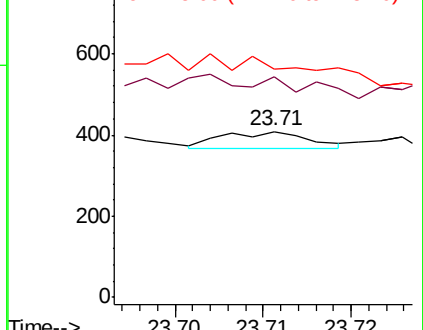
125 137.5 13.0 19.4#



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: 0.042 ng/u1

RT: 26.05 min Scan# 7820

Delta R.T. 0.39 min

Lab File: BM025114.D

Acq: 27 Feb 2020 21:39

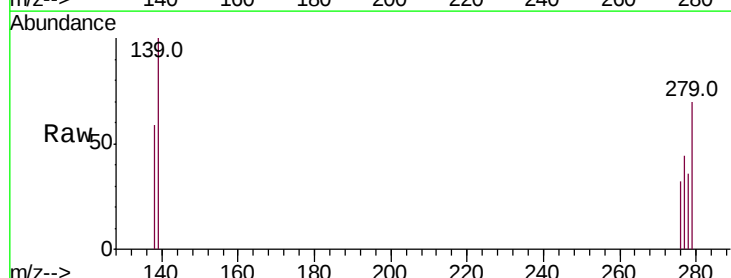
Tgt Ion:276 Resp: 4

Ion Ratio Lower Upper

276 100

138 200.0 0.0 0.0#

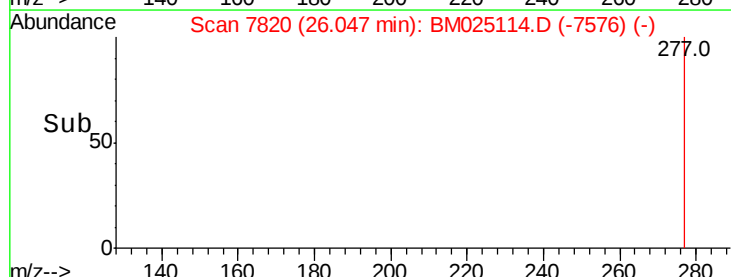
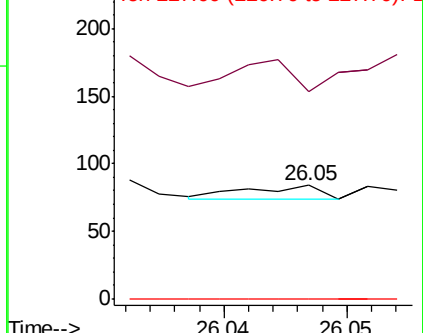
227 0.0 0.0 0.0

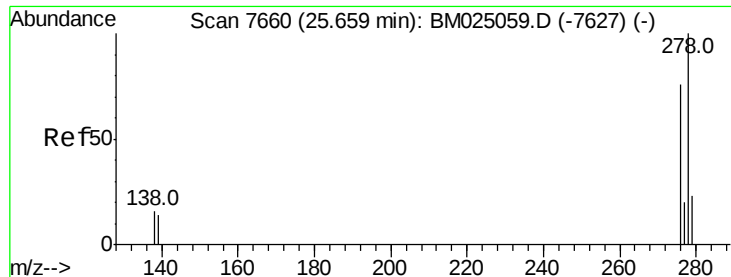


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

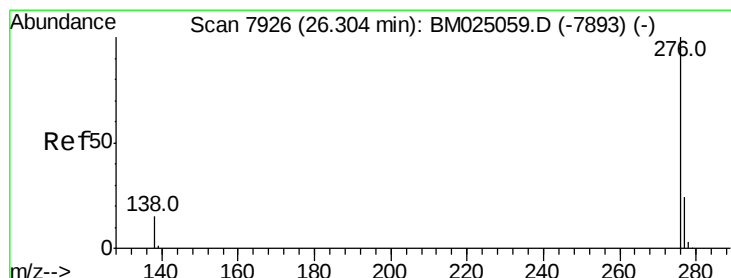
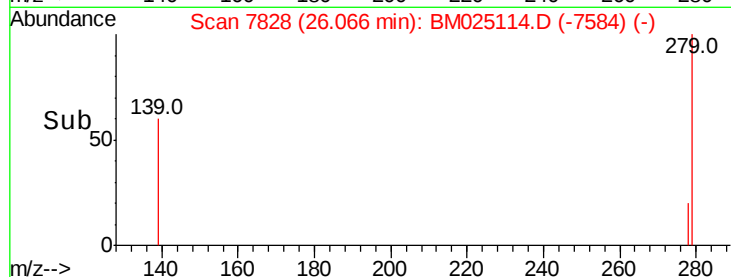
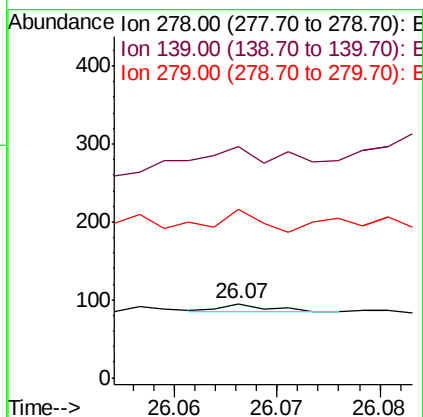
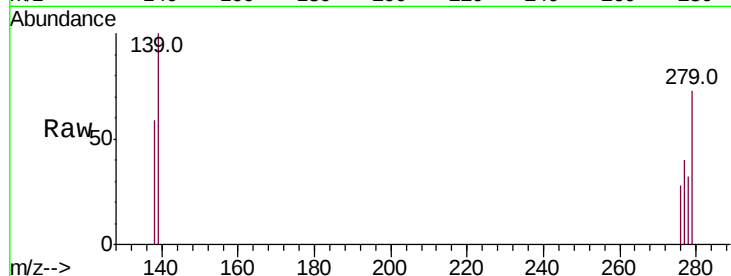




#25
Dibenzo(a,h)anthracene
Concen: 0.038 ng/ul
RT: 26.07 min Scan# 7828
Delta R.T. 0.39 min
Lab File: BM025114.D
Acq: 27 Feb 2020 21:39

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 3
Ion Ratio Lower Upper
278 100
139 311.6 13.2 19.8#
279 228.4 21.0 31.4#



#26
Benzo(g,h,i)perylene
Concen: 0.088 ng/ul
RT: 26.72 min Scan# 8097
Delta R.T. 0.40 min
Lab File: BM025114.D
Acq: 27 Feb 2020 21:39

Tgt Ion:276 Resp: 7
Ion Ratio Lower Upper
276 100
138 193.3 17.9 26.9#
277 120.0 20.5 30.7#

