

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
 Data File : BM022183.D
 Acq On : 16 Aug 2019 23:07
 Operator : HP/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 04:15:08 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 16 14:59:47 2019
 Response via : Initial Calibration

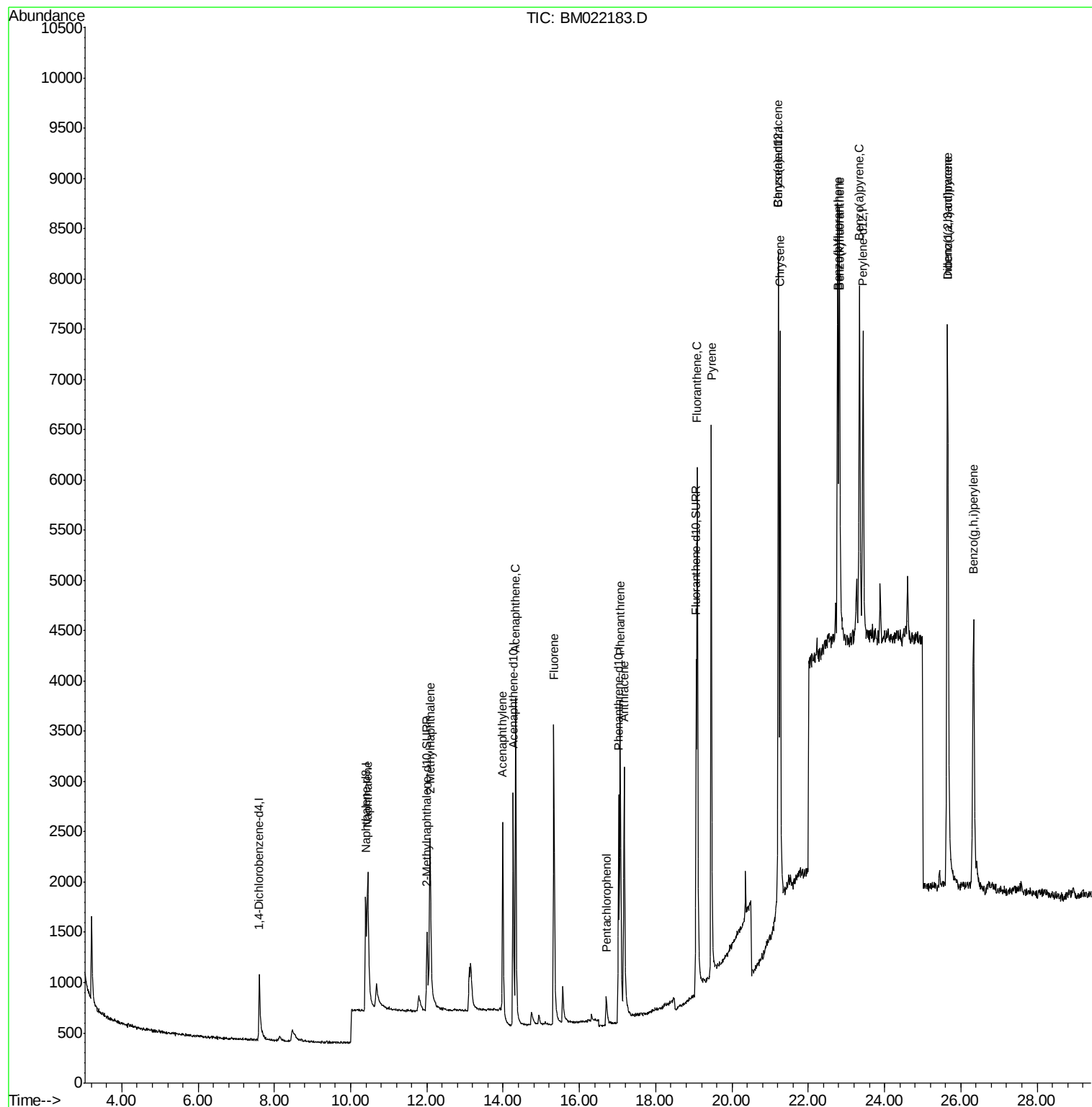
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	593	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	2810	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	1660	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	3685	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	3538	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	4289	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1923	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	4986	0.40	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.45	128	3086	0.389	ng/ul	98
5) 2-Methylnaphthalene	12.08	142	2192	0.414	ng/ul	100
7) Acenaphthylene	13.99	152	3014	0.389	ng/ul#	84
8) Acenaphthene	14.32	153	2514	0.397	ng/ul	96
9) Fluorene	15.33	166	2751	0.391	ng/ul	100
11) Pentachlorophenol	16.70	266	368	0.541	ng/ul	89
12) Phenanthrene	17.07	178	4310	0.402	ng/ul	98
13) Anthracene	17.17	178	4047	0.442	ng/ul	99
15) Fluoranthene	19.09	202	5630	0.392	ng/ul	99
17) Pyrene	19.46	202	6000	0.413	ng/ul	97
18) Benzo(a)anthracene	21.21	228	5500	0.435	ng/ul#	89
19) Chrysene	21.27	228	6233	0.383	ng/ul#	90
21) Benzo(b)fluoranthene	22.77	252	5807	0.402	ng/ul	83
22) Benzo(k)fluoranthene	22.82	252	6467	0.395	ng/ul#	81
23) Benzo(a)pyrene	23.34	252	5871	0.399	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.65	276	7162	0.408	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.66	278	5749	0.405	ng/ul#	82
26) Benzo(g,h,i)perylene	26.34	276	6049	0.383	ng/ul#	83

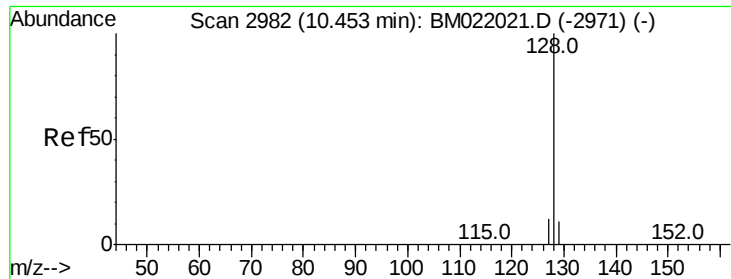
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.389 ng/ul

RT: 10.45 min Scan# 2981

Delta R.T. -0.00 min

Lab File: BM022183.D

Acq: 16 Aug 2019 23:07

Instrument :

BNA_M

ClientSampleId :

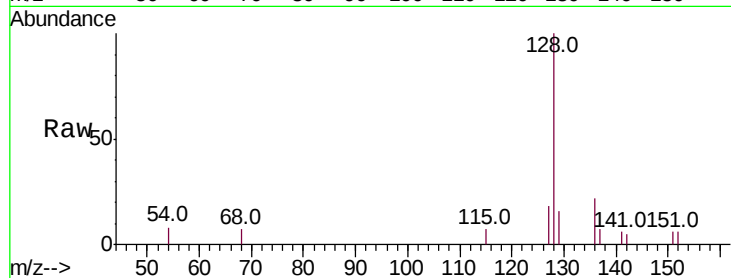
Tot Ion:128 Resp: 3086

Ion Ratio Lower Upper

128 100

129 15.8 12.3 18.5

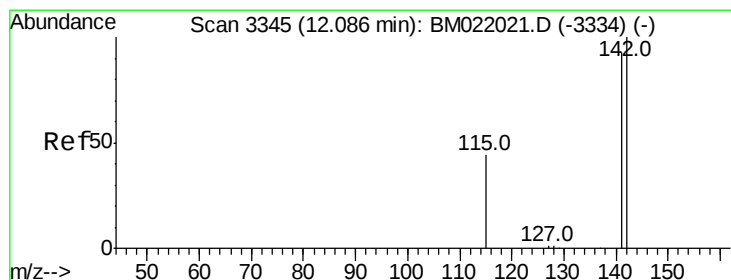
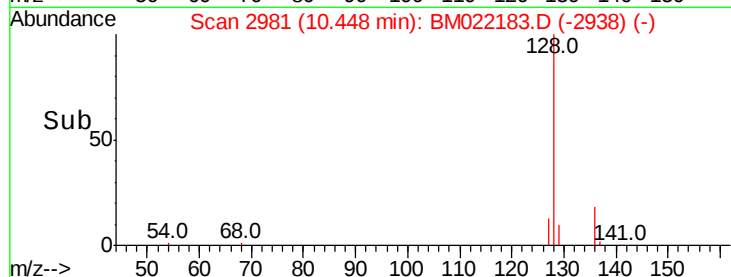
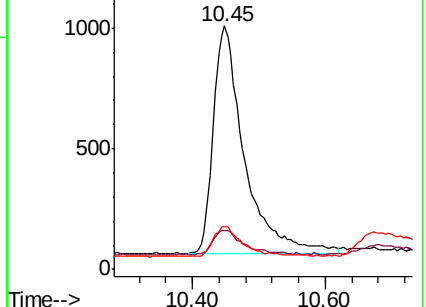
127 17.7 13.0 19.6



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: 0.414 ng/ul

RT: 12.08 min Scan# 3344

Delta R.T. -0.01 min

Lab File: BM022183.D

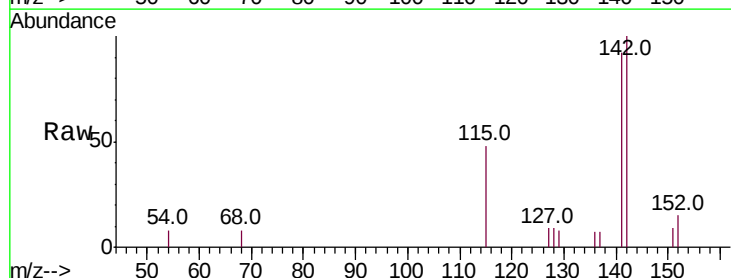
Acq: 16 Aug 2019 23:07

Tgt Ion:142 Resp: 2192

Ion Ratio Lower Upper

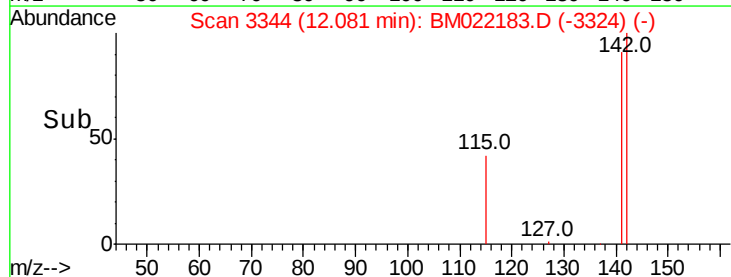
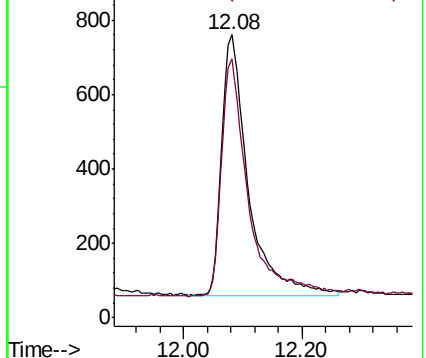
142 100

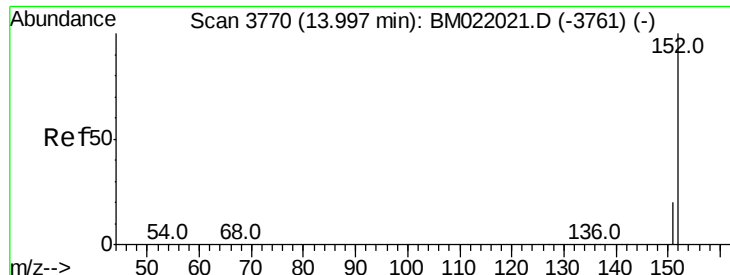
141 92.7 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.389 ng/ul

RT: 13.99 min Scan# 3768

Delta R.T. -0.01 min

Lab File: BM022183.D

Acq: 16 Aug 2019 23:07

Instrument :

BNA_M

ClientSampleId :

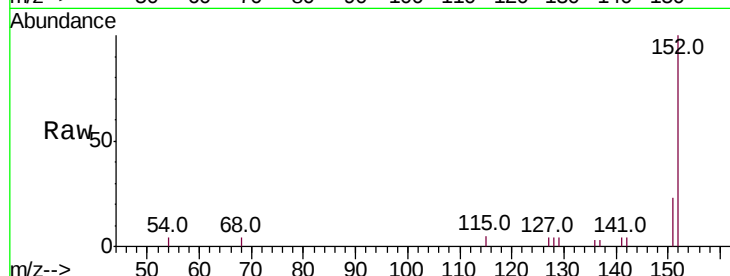
Tot Ion:152 Resp: 3014

Ion Ratio Lower Upper

152 100

151 22.5 18.3 27.5

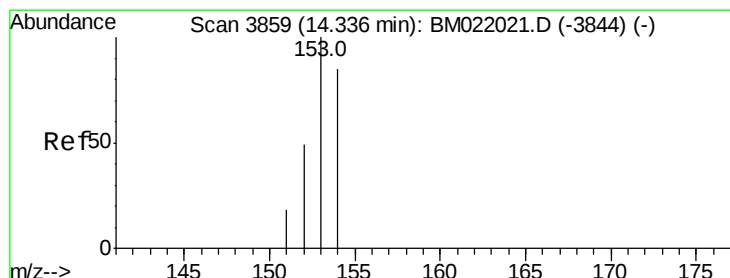
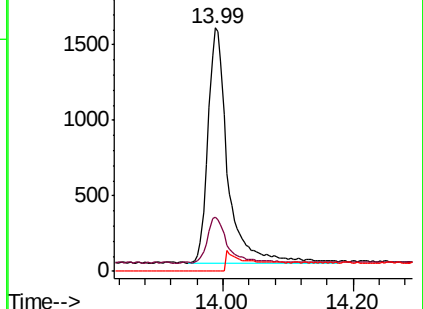
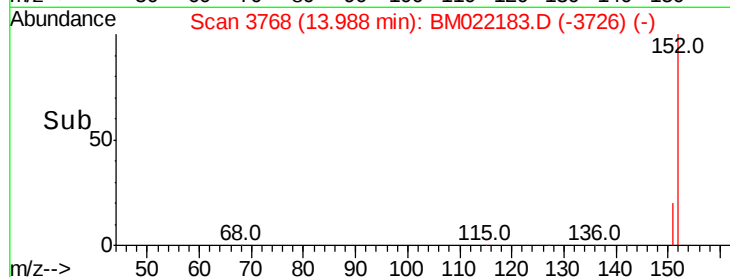
153 0.0 12.8 19.2#



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: 0.397 ng/ul

RT: 14.32 min Scan# 3856

Delta R.T. -0.01 min

Lab File: BM022183.D

Acq: 16 Aug 2019 23:07

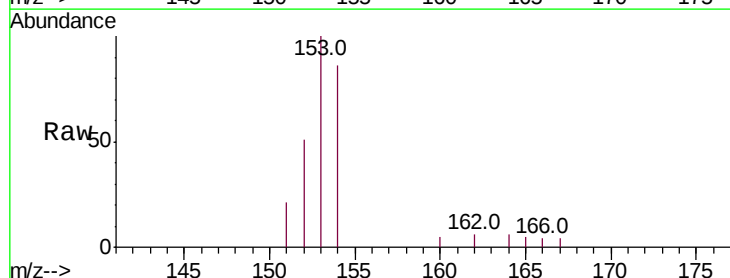
Tgt Ion:153 Resp: 2514

Ion Ratio Lower Upper

153 100

152 50.8 41.3 61.9

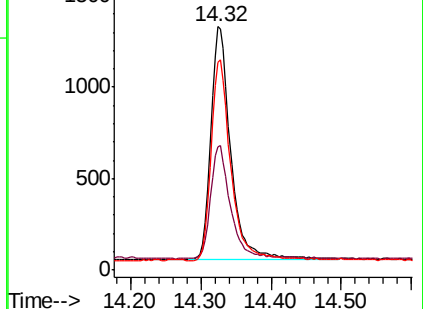
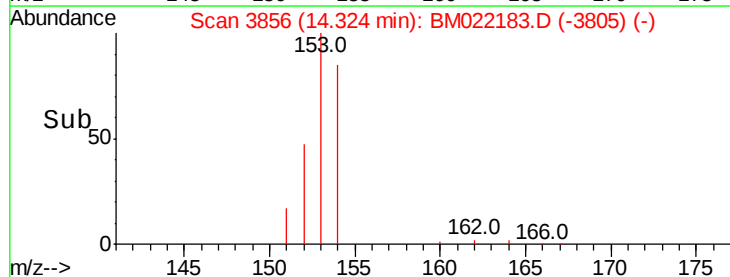
154 85.6 72.3 108.5

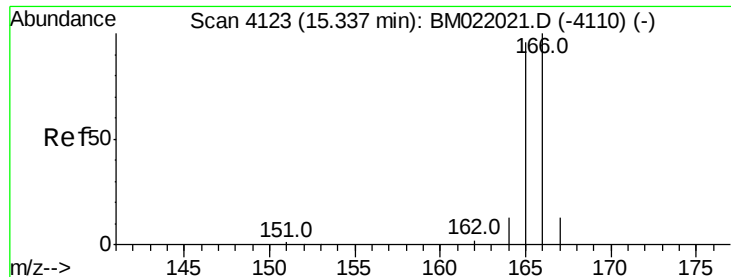


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

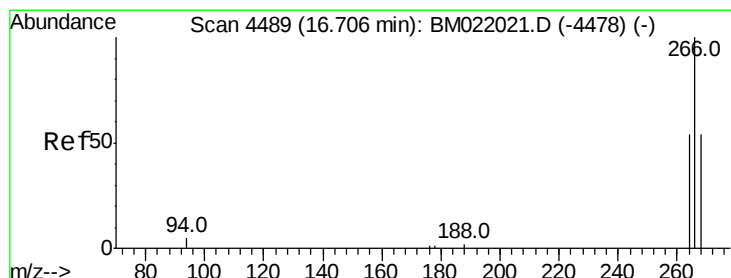
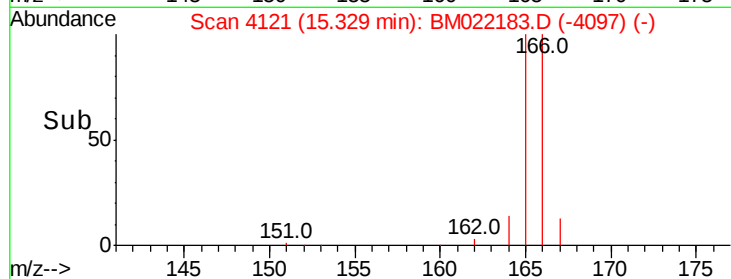
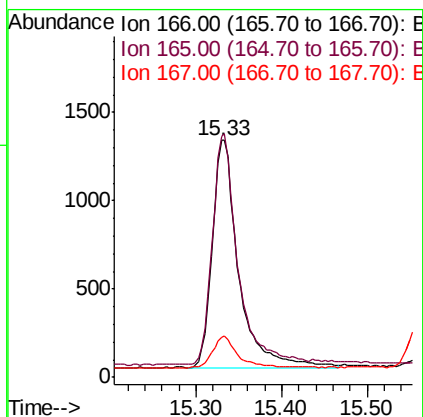
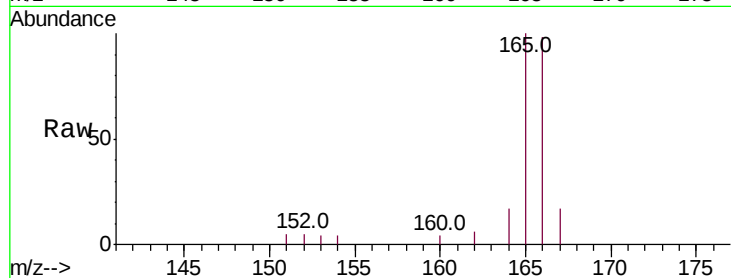




#9
Fluorene
 Concen: 0.391 ng/ul
 RT: 15.33 min Scan# 4121
 Delta R.T. -0.01 min
 Lab File: BM022183.D
 Acq: 16 Aug 2019 23:07

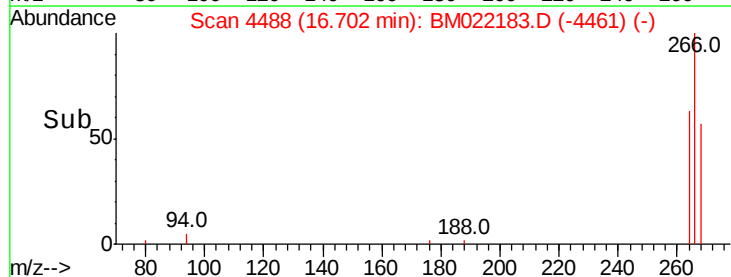
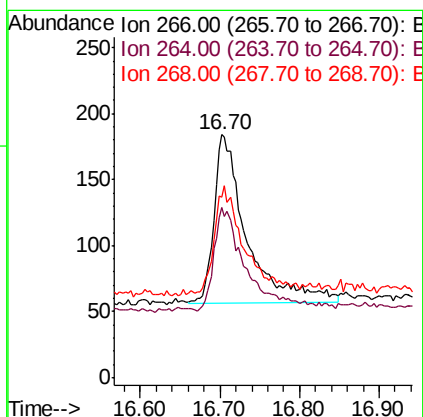
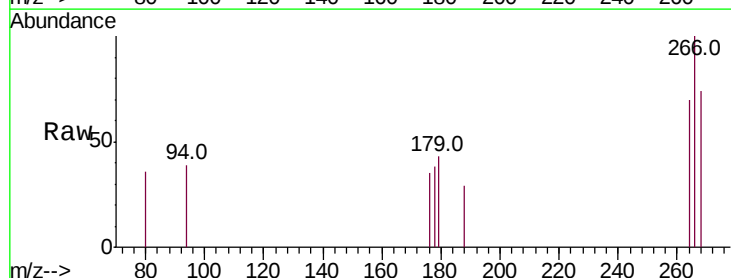
Instrument :
 BNA_M
 ClientSampleId :

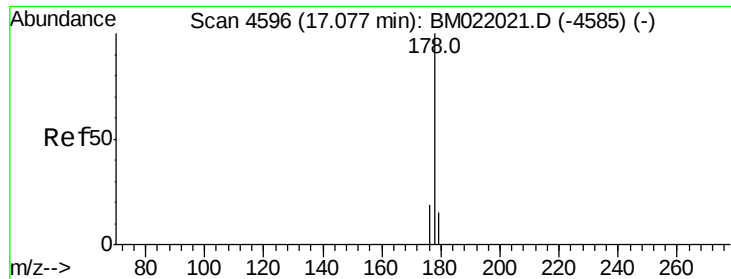
Tot Ion:166 Resp: 2751
 Ion Ratio Lower Upper
 166 100
 165 101.9 81.4 122.0
 167 17.1 13.7 20.5



#11
Pentachlorophenol
 Concen: 0.541 ng/ul
 RT: 16.70 min Scan# 4488
 Delta R.T. -0.01 min
 Lab File: BM022183.D
 Acq: 16 Aug 2019 23:07

Tgt Ion:266 Resp: 368
 Ion Ratio Lower Upper
 266 100
 264 63.6 54.2 81.2
 268 57.9 57.6 86.4





#12

Phenanthrene

Concen: 0.402 ng/ul

RT: 17.07 min Scan# 4594

Delta R.T. -0.01 min

Lab File: BM022183.D

Acq: 16 Aug 2019 23:07

Instrument :

BNA_M

ClientSampleId :

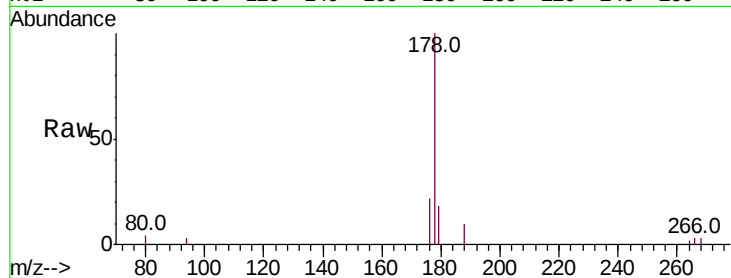
Tot Ion:178 Resp: 4310

Ion Ratio Lower Upper

178 100

179 18.4 14.2 21.2

176 21.7 16.8 25.2

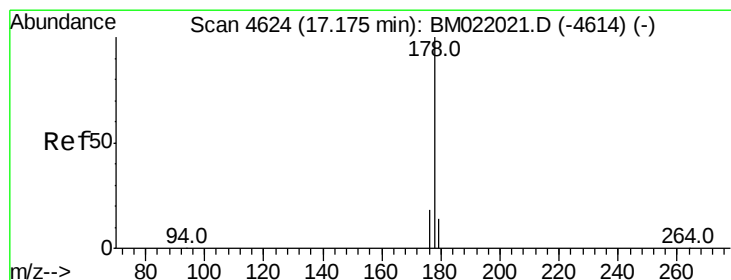
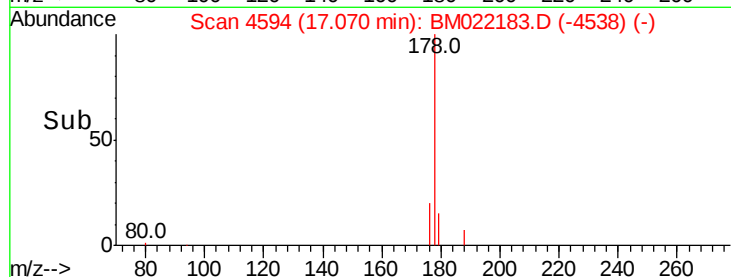
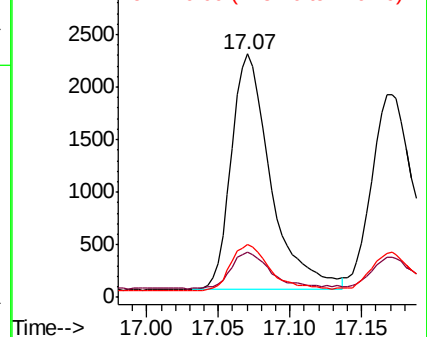


Abundance

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: 0.442 ng/ul

RT: 17.17 min Scan# 4622

Delta R.T. -0.01 min

Lab File: BM022183.D

Acq: 16 Aug 2019 23:07

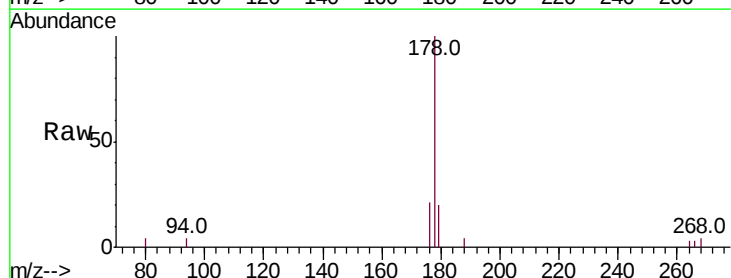
Tgt Ion:178 Resp: 4047

Ion Ratio Lower Upper

178 100

179 19.6 15.5 23.3

176 21.4 16.6 25.0

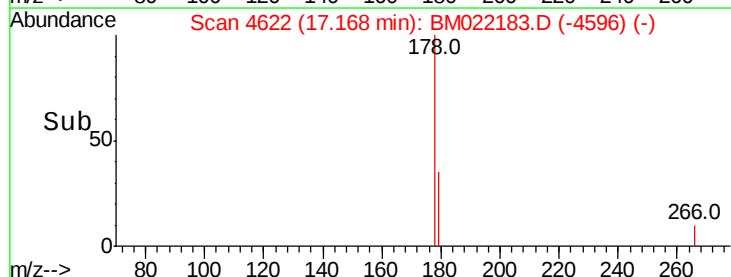
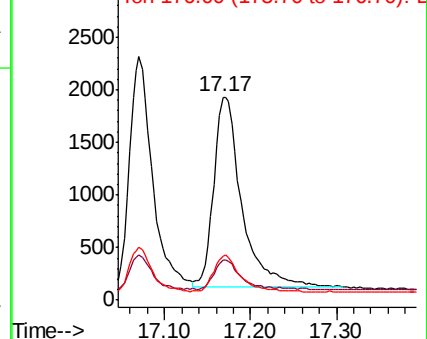


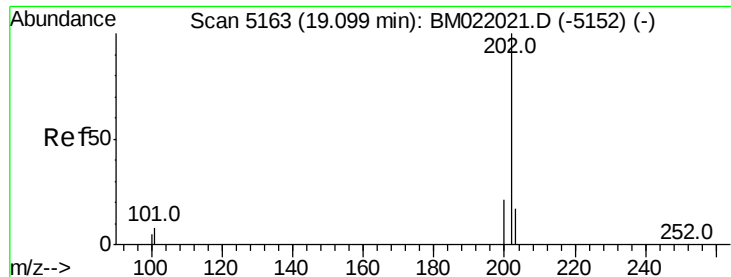
Abundance

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: 0.392 ng/ul

RT: 19.09 min Scan# 5161

Delta R.T. -0.01 min

Lab File: BM022183.D

Acq: 16 Aug 2019 23:07

Instrument :

BNA_M

ClientSampleId :

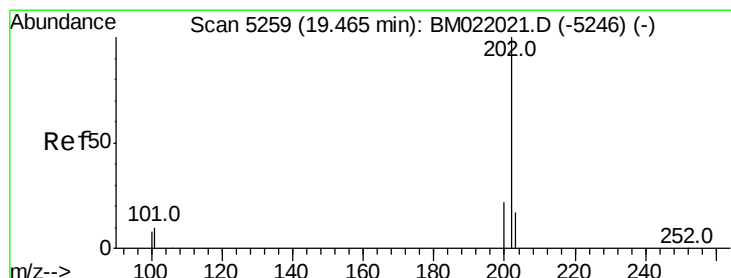
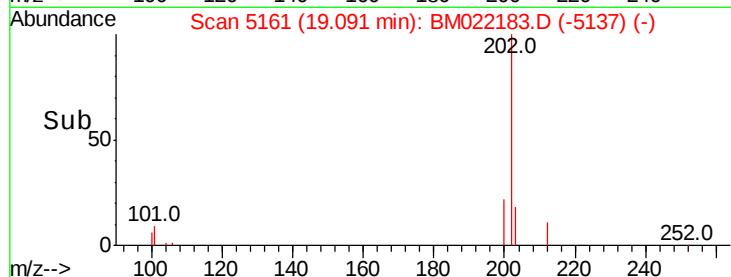
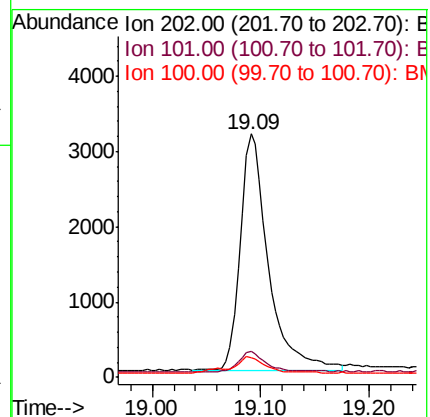
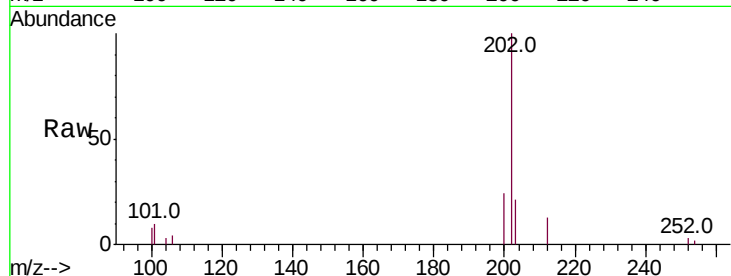
Tot Ion:202 Resp: 5630

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.2

100 7.9 0.0 28.1



#17

Pyrene

Concen: 0.413 ng/ul

RT: 19.46 min Scan# 5257

Delta R.T. -0.01 min

Lab File: BM022183.D

Acq: 16 Aug 2019 23:07

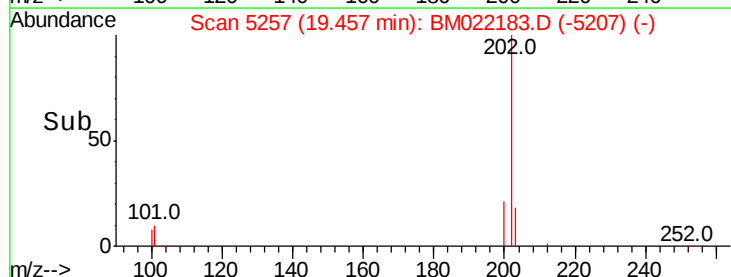
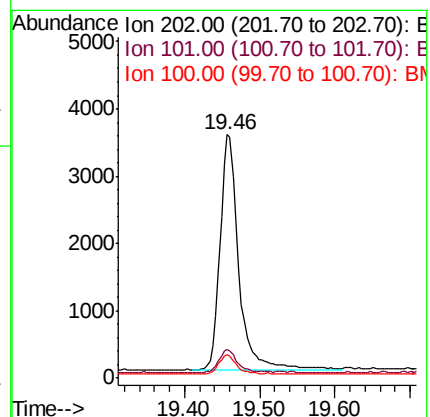
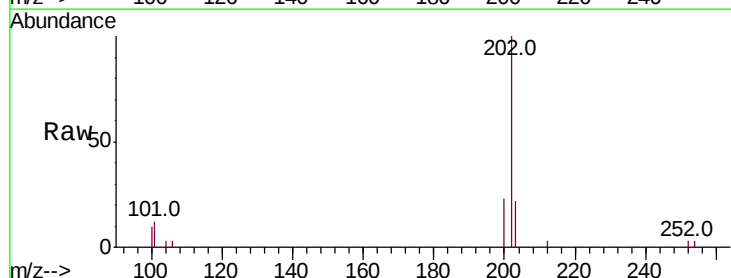
Tgt Ion:202 Resp: 6000

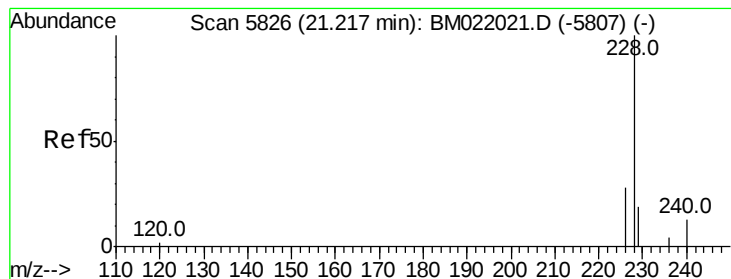
Ion Ratio Lower Upper

202 100

101 11.9 8.3 12.5

100 9.6 7.2 10.8





#18

Benzo(a)anthracene

Concen: 0.435 ng/ul

RT: 21.21 min Scan# 5824

Delta R.T. -0.00 min

Lab File: BM022183.D

Acq: 16 Aug 2019 23:07

Instrument :

BNA_M

ClientSampleId :

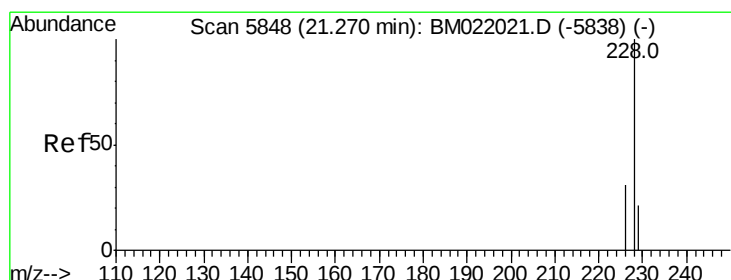
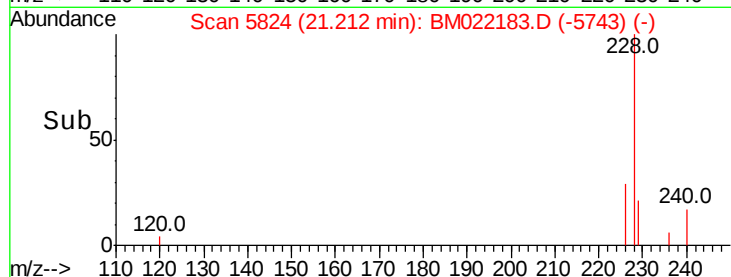
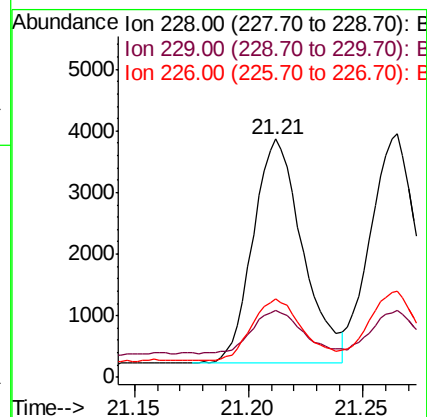
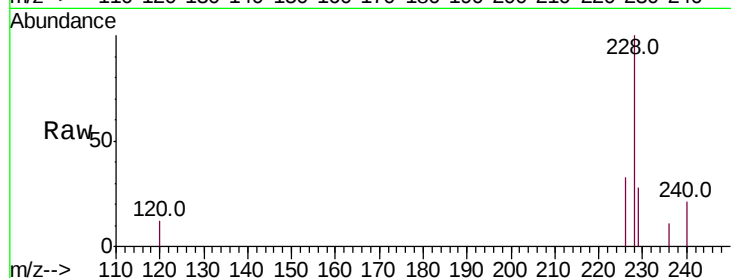
Tot Ion:228 Resp: 5500

Ion Ratio Lower Upper

228 100

229 27.9 17.2 25.8#

226 33.0 22.6 34.0



#19

Chrysene

Concen: 0.383 ng/ul

RT: 21.27 min Scan# 5846

Delta R.T. -0.00 min

Lab File: BM022183.D

Acq: 16 Aug 2019 23:07

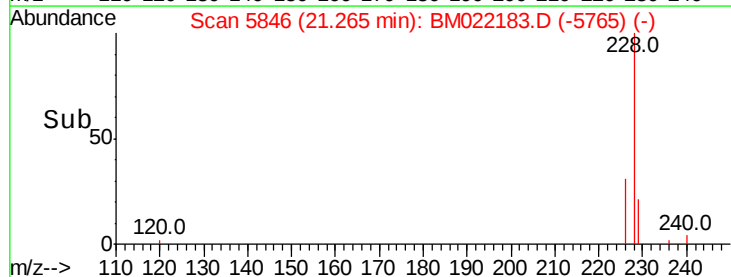
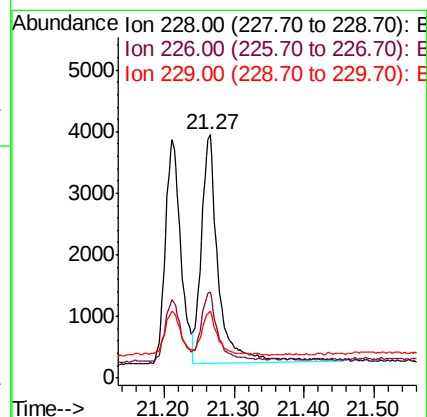
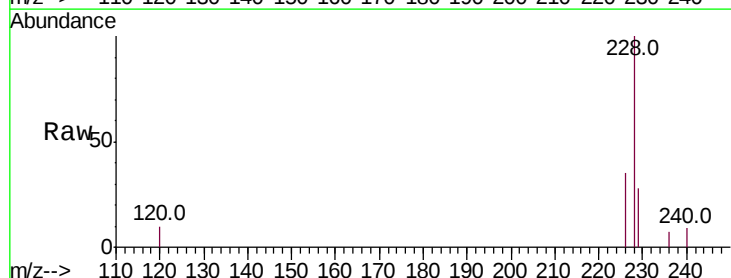
Tgt Ion:228 Resp: 6233

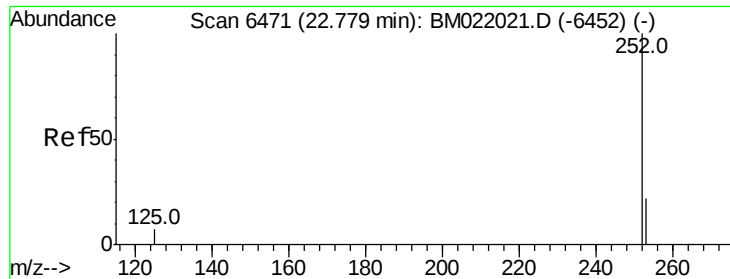
Ion Ratio Lower Upper

228 100

226 35.2 24.9 37.3

229 27.8 16.6 25.0#





#21

Benzo(b)fluoranthene

Concen: 0.402 ng/u1

RT: 22.77 min Scan# 6469

Delta R.T. -0.00 min

Lab File: BM022183.D

Acq: 16 Aug 2019 23:07

Instrument :

BNA_M

ClientSampleId :

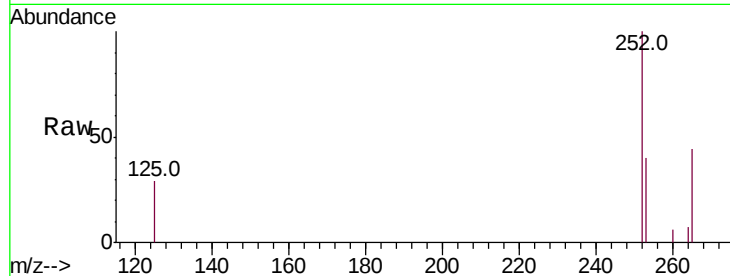
Tot Ion:252 Resp: 5807

Ion Ratio Lower Upper

252 100

253 39.6 0.0 67.4

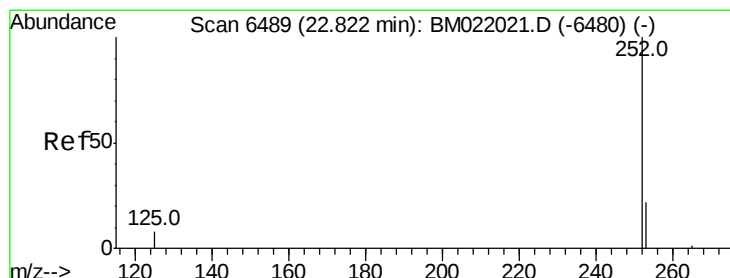
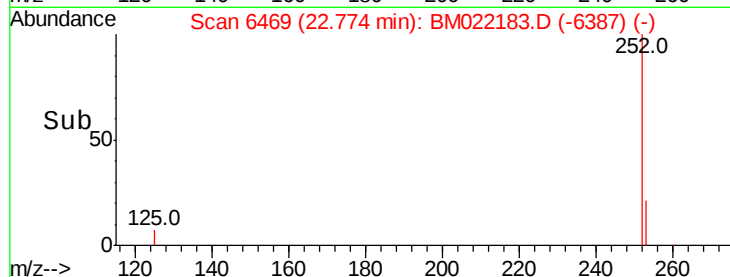
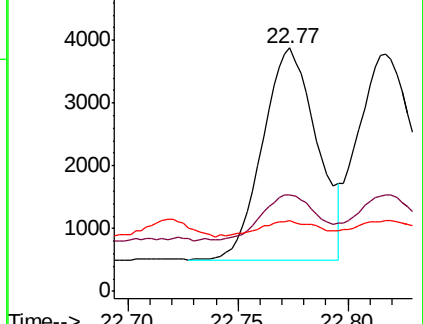
125 28.9 0.0 31.0



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: 0.395 ng/u1

RT: 22.82 min Scan# 6487

Delta R.T. -0.00 min

Lab File: BM022183.D

Acq: 16 Aug 2019 23:07

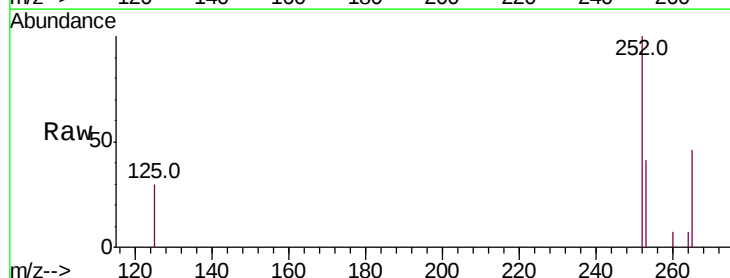
Tgt Ion:252 Resp: 6467

Ion Ratio Lower Upper

252 100

253 40.5 27.0 40.4#

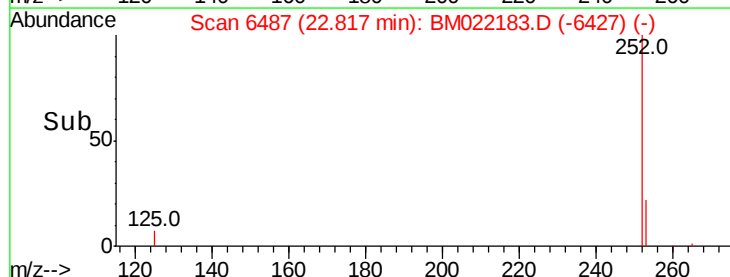
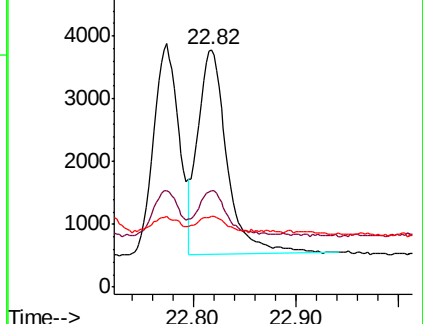
125 29.7 12.2 18.2#

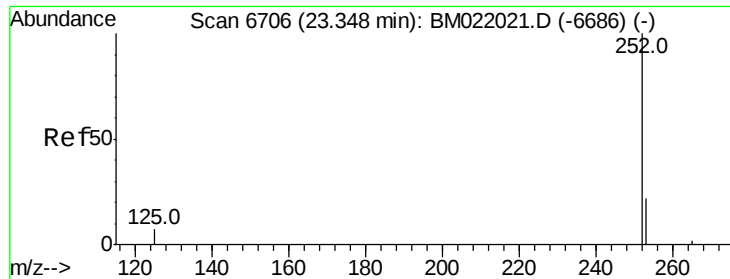


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.399 ng/ul

RT: 23.34 min Scan# 6704

Delta R.T. -0.00 min

Lab File: BM022183.D

Acq: 16 Aug 2019 23:07

Instrument :

BNA_M

ClientSampleId :

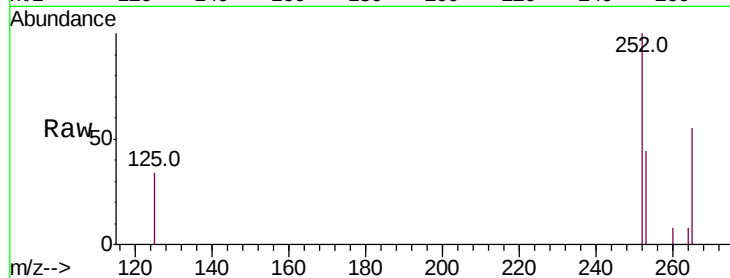
Tot Ion:252 Resp: 5871

Ion Ratio Lower Upper

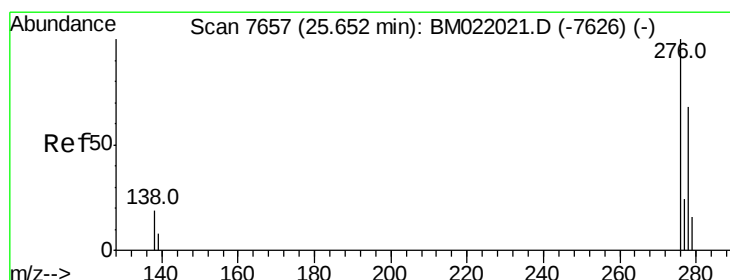
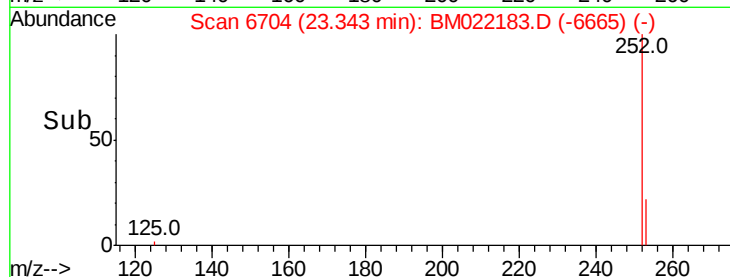
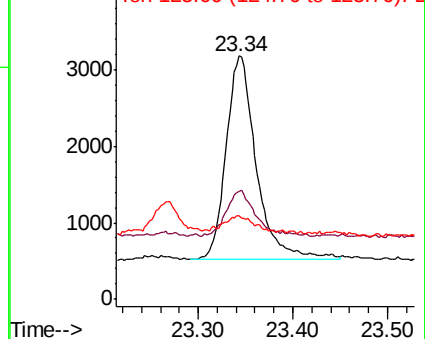
252 100

253 44.3 31.7 47.5

125 34.2 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: 0.408 ng/ul

RT: 25.65 min Scan# 7657

Delta R.T. -0.00 min

Lab File: BM022183.D

Acq: 16 Aug 2019 23:07

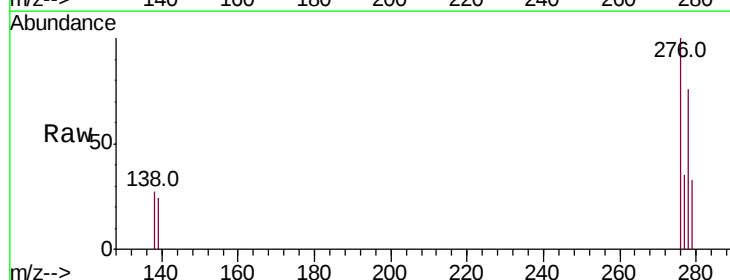
Tgt Ion:276 Resp: 7162

Ion Ratio Lower Upper

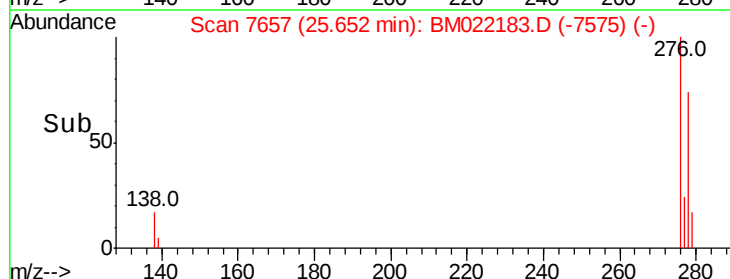
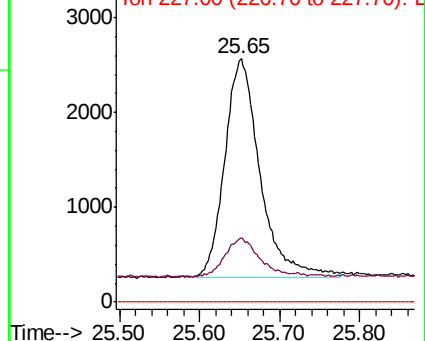
276 100

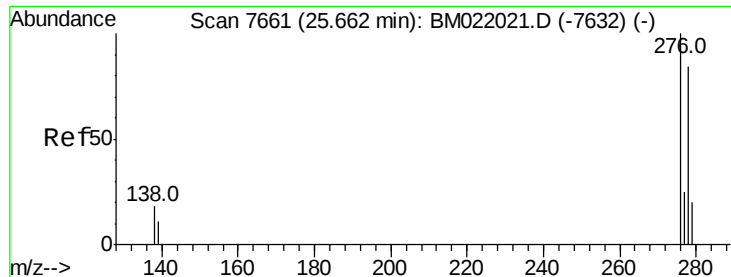
138 18.6 15.1 22.7

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: 0.405 ng/ul

RT: 25.66 min Scan# 7659

Delta R.T. -0.01 min

Lab File: BM022183.D

Acq: 16 Aug 2019 23:07

Instrument :

BNA_M

ClientSampleId :

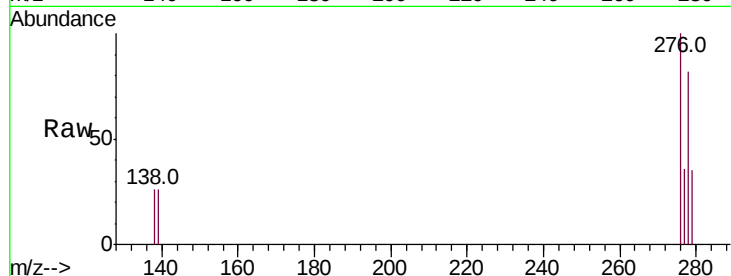
Tot Ion:278 Resp: 5749

Ion Ratio Lower Upper

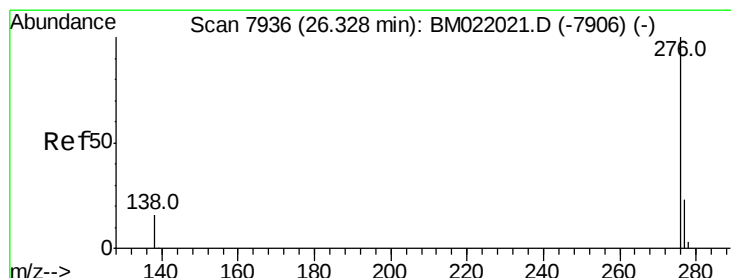
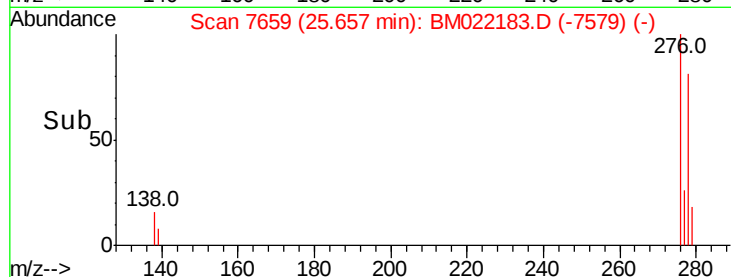
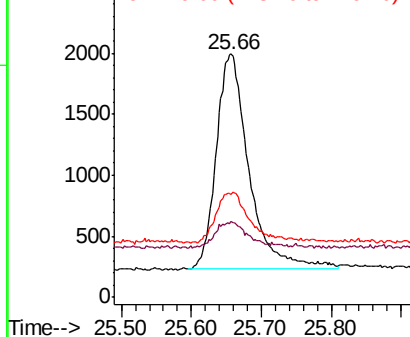
278 100

139 31.3 14.2 21.2#

279 42.5 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(g,h,i)perylene

Concen: 0.383 ng/ul

RT: 26.34 min Scan# 7939

Delta R.T. -0.00 min

Lab File: BM022183.D

Acq: 16 Aug 2019 23:07

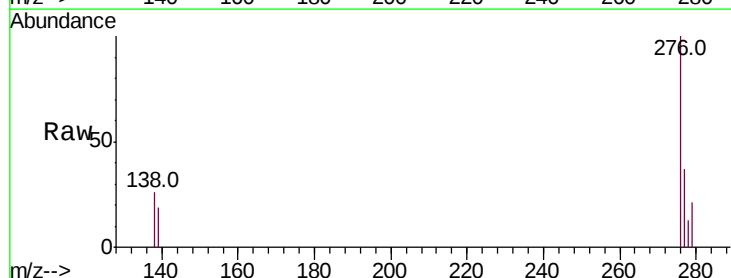
Tgt Ion:276 Resp: 6049

Ion Ratio Lower Upper

276 100

138 25.6 15.5 23.3#

277 36.5 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

