

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073119\
 Data File : BM021762.D
 Acq On : 01 Aug 2019 02:38
 Operator : HP/JU
 Sample : MDL-W-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 03:47:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM073119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:40:15 2019
 Response via : Initial Calibration

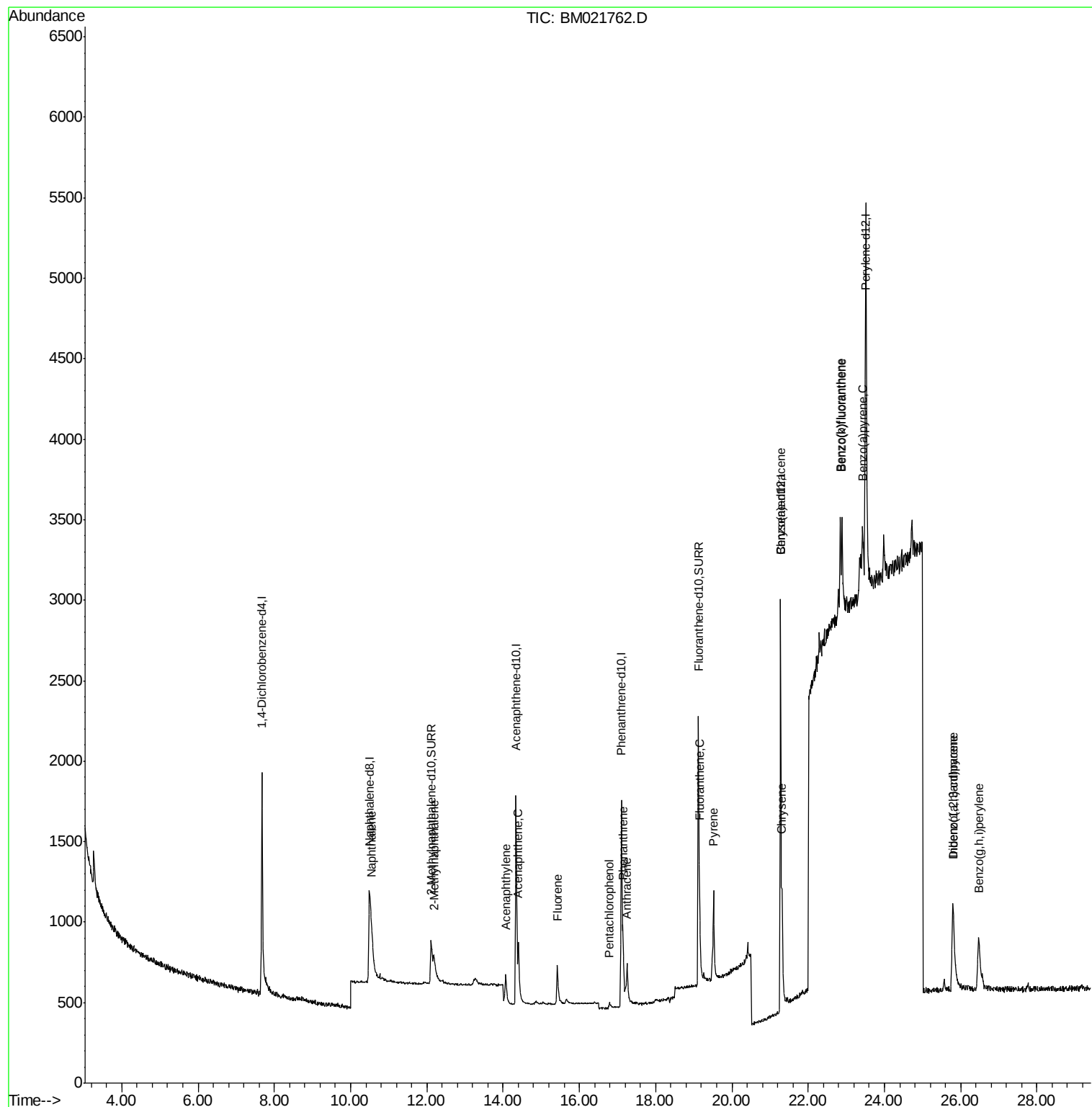
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	1118	0.40	ng/ul	0.00
2) Naphthalene-d8	10.50	136	2268	0.40	ng/ul	0.03
6) Acenaphthene-d10	14.34	164	1052	0.40	ng/ul	0.01
10) Phenanthrene-d10	17.10	188	2478	0.40	ng/ul	0.02
16) Chrysene-d12	21.28	240	2768	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	4121	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	1008	0.37	ng/ul	0.04
14) Fluoranthene-d10	19.12	212	2509	0.35	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.55	128	379	0.066	ng/ul#	27
5) 2-Methylnaphthalene	12.19	142	204	0.067	ng/ul	99
7) Acenaphthylene	14.07	152	352	0.061	ng/ul#	53
8) Acenaphthene	14.40	153	266	0.063	ng/ul	95
9) Fluorene	15.42	166	280	0.059	ng/ul#	89
11) Pentachlorophenol	16.79	266	52	0.061	ng/ul#	57
12) Phenanthrene	17.14	178	519	0.076	ng/ul#	71
13) Anthracene	17.25	178	377	0.064	ng/ul#	59
15) Fluoranthene	19.15	202	634	0.074	ng/ul	69
17) Pyrene	19.52	202	672	0.086	ng/ul#	73
18) Benzo(a)anthracene	21.28	228	578	0.067	ng/ul#	83
19) Chrysene	21.32	228	758	0.070	ng/ul#	85
21) Benzo(b)fluoranthene	22.84	252	853	0.056	ng/ul#	29
22) Benzo(k)fluoranthene	22.89	252	905	0.059	ng/ul#	23
23) Benzo(a)pyrene	23.43	252	858	0.063	ng/ul#	7
24) Indeno(1,2,3-cd)pyrene	25.80	276	1071	0.059	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.81	278	806	0.056	ng/ul#	1
26) Benzo(g,h,i)perylene	26.47	276	1053	0.060	ng/ul#	47

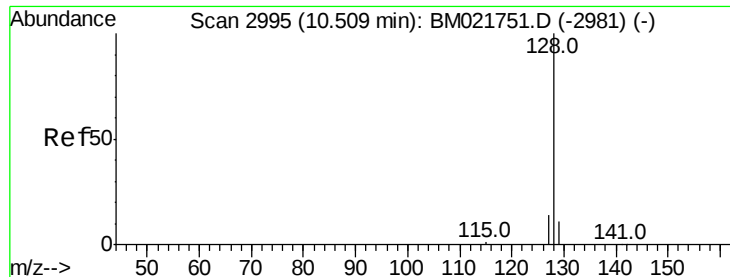
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.066 ng/ul

RT: 10.55 min Scan# 3005

Delta R.T. 0.04 min

Lab File: BM021762.D

Acq: 01 Aug 2019 02:38

Instrument :

BNA_M

ClientSampled :

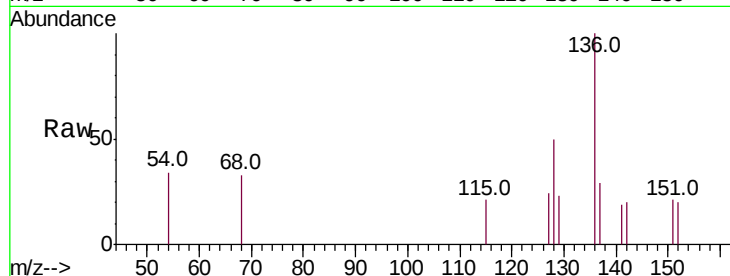
Tot Ion:128 Resp: 379

Ion Ratio Lower Upper

128 100

129 45.1 10.8 16.2#

127 46.7 13.7 20.5#



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

10.55

150

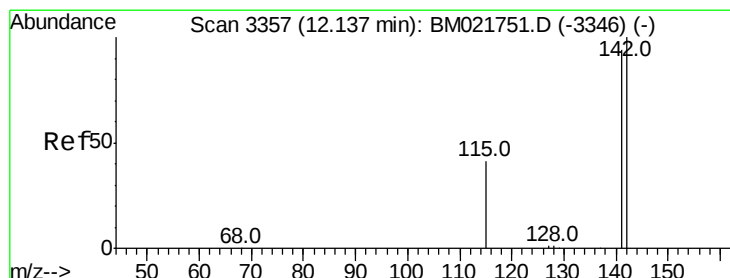
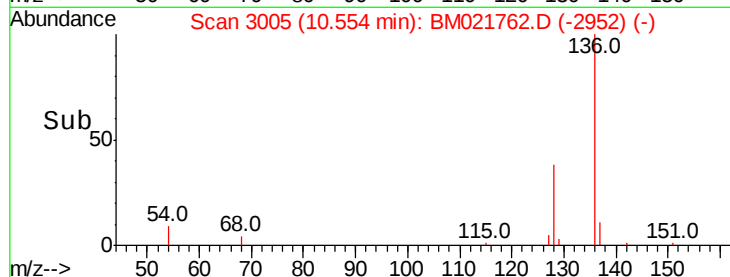
100

50

0

Time-->

10.40 10.50 10.60 10.70



#5

2-Methylnaphthalene

Concen: 0.067 ng/ul

RT: 12.19 min Scan# 3368

Delta R.T. 0.04 min

Lab File: BM021762.D

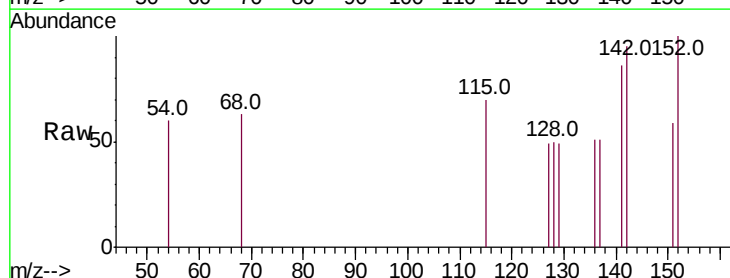
Acq: 01 Aug 2019 02:38

Tgt Ion:142 Resp: 204

Ion Ratio Lower Upper

142 100

141 97.1 78.6 118.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.19

100

80

60

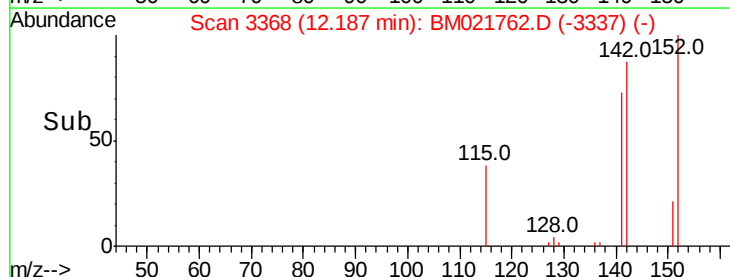
40

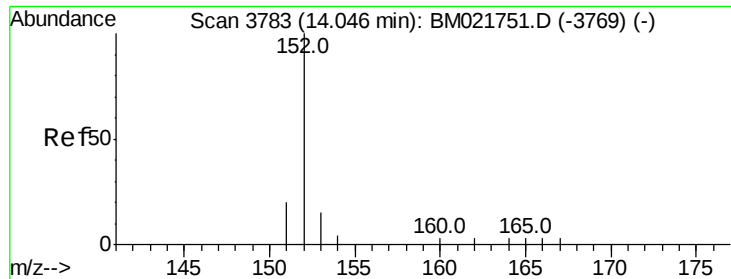
20

0

Time-->

12.10 12.20 12.30





#7

Acenaphthylene

Concen: 0.061 ng/ul

RT: 14.07 min Scan# 3789

Delta R.T. 0.02 min

Lab File: BM021762.D

Acq: 01 Aug 2019 02:38

Instrument :

BNA_M

ClientSampled :

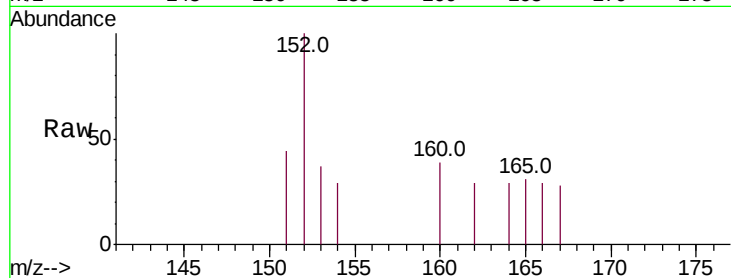
Tot Ion:152 Resp: 352

Ion Ratio Lower Upper

152 100

151 43.5 17.6 26.4#

153 37.1 13.0 19.6#



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

14.07

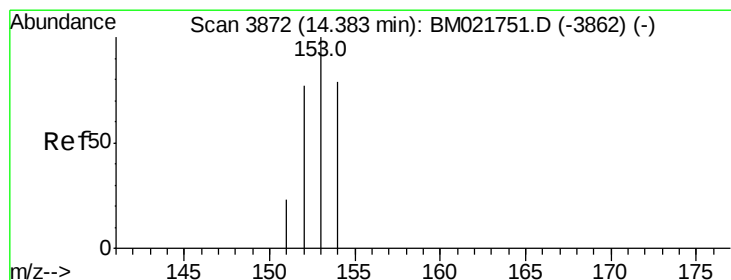
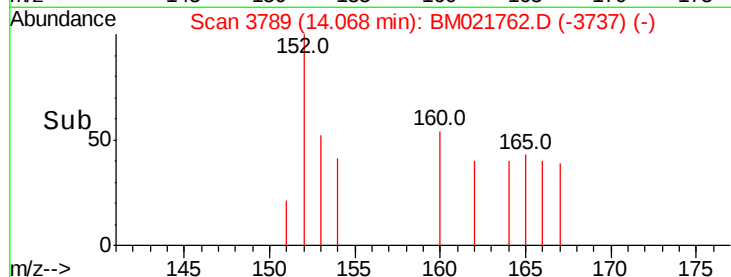
150

100

50

0

Time-->



#8

Acenaphthene

Concen: 0.063 ng/ul

RT: 14.40 min Scan# 3877

Delta R.T. 0.01 min

Lab File: BM021762.D

Acq: 01 Aug 2019 02:38

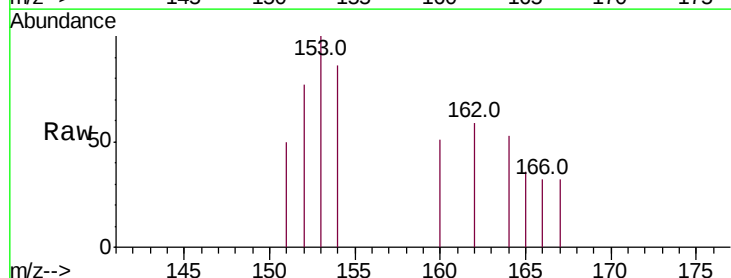
Tgt Ion:153 Resp: 266

Ion Ratio Lower Upper

153 100

152 77.0 58.6 88.0

154 85.5 64.5 96.7



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

14.40

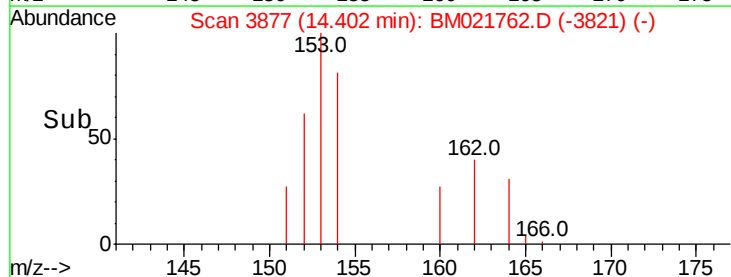
150

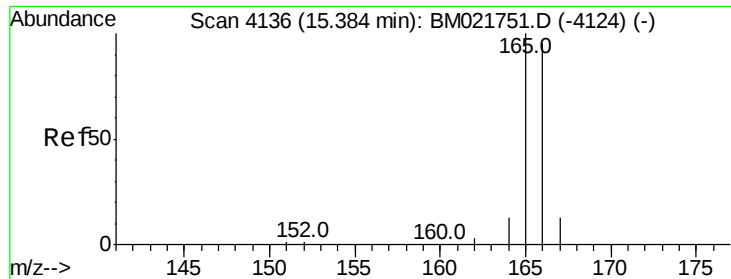
100

50

0

Time-->





#9

Fluorene

Concen: 0.059 ng/ul

RT: 15.42 min Scan# 4145

Delta R.T. 0.03 min

Lab File: BM021762.D

Acq: 01 Aug 2019 02:38

Instrument :

BNA_M

ClientSampleId :

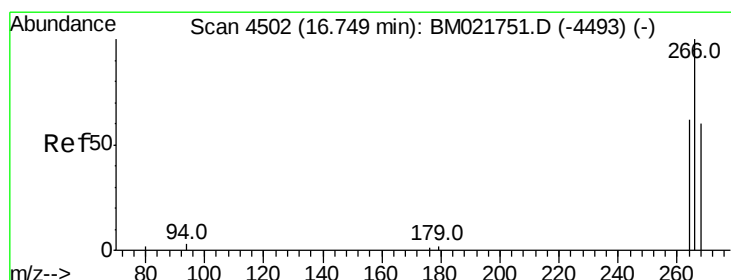
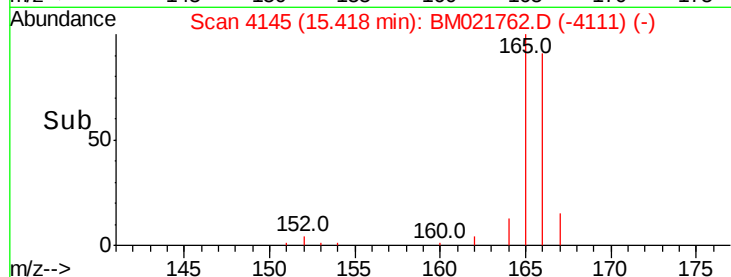
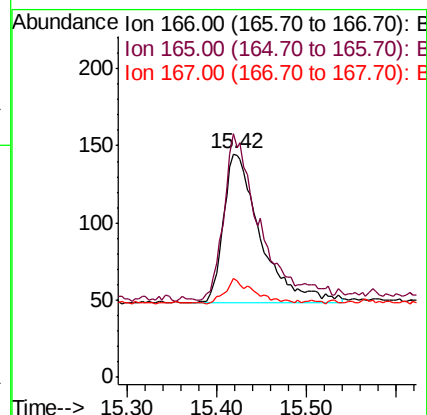
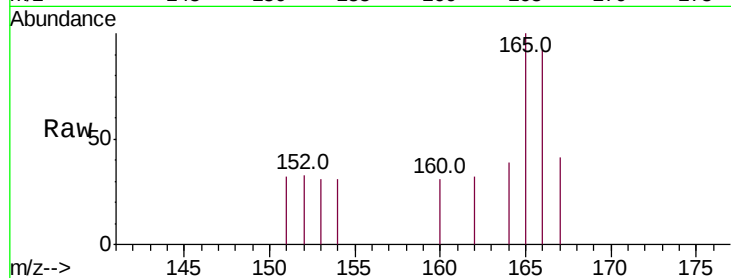
Tot Ion:166 Resp: 280

Ion Ratio Lower Upper

166 100

165 109.0 85.2 127.8

167 44.1 13.0 19.6#



#11

Pentachlorophenol

Concen: 0.061 ng/ul

RT: 16.79 min Scan# 4513

Delta R.T. 0.03 min

Lab File: BM021762.D

Acq: 01 Aug 2019 02:38

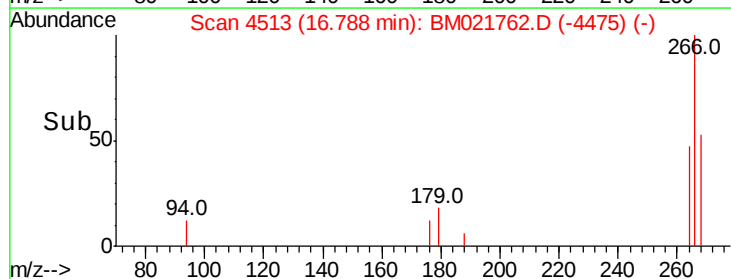
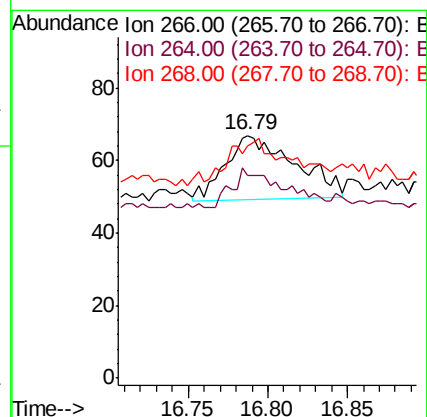
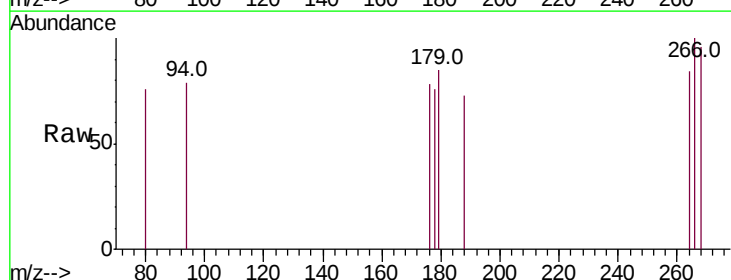
Tgt Ion:266 Resp: 52

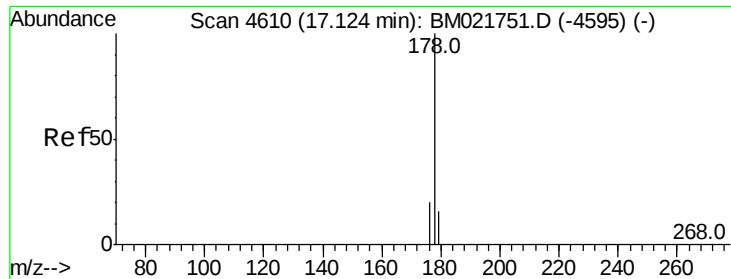
Ion Ratio Lower Upper

266 100

264 46.2 48.8 73.2#

268 15.4 53.4 80.0#





#12

Phenanthrene

Concen: 0.076 ng/ul

RT: 17.14 min Scan# 4615

Delta R.T. 0.02 min

Lab File: BM021762.D

Acq: 01 Aug 2019 02:38

Instrument :

BNA_M

ClientSampleId :

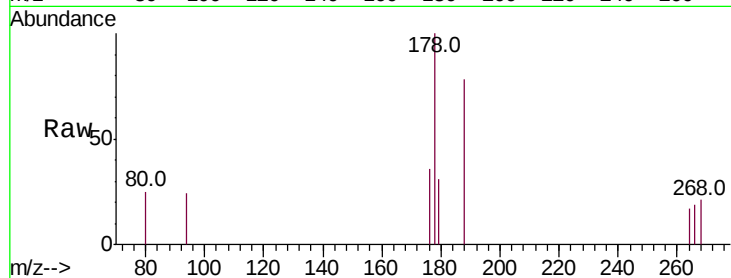
Tot Ion:178 Resp: 519

Ion Ratio Lower Upper

178 100

179 31.1 13.9 20.9#

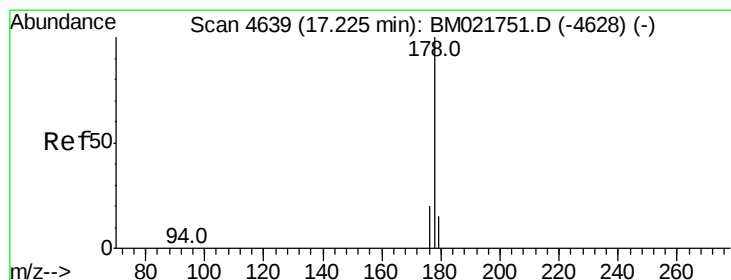
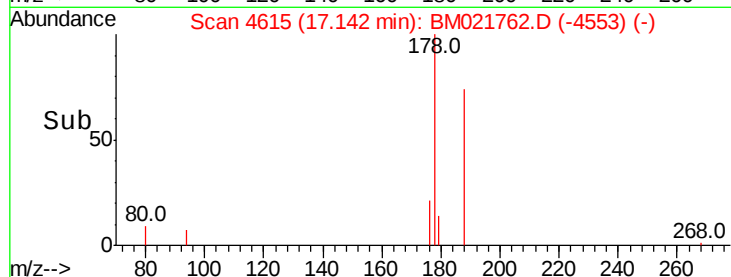
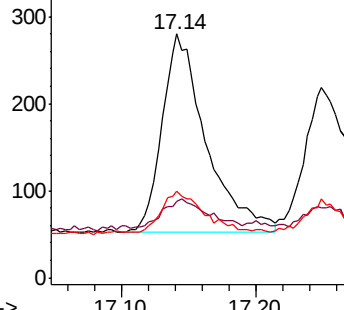
176 35.7 17.8 26.8#



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: 0.064 ng/ul

RT: 17.25 min Scan# 4646

Delta R.T. 0.02 min

Lab File: BM021762.D

Acq: 01 Aug 2019 02:38

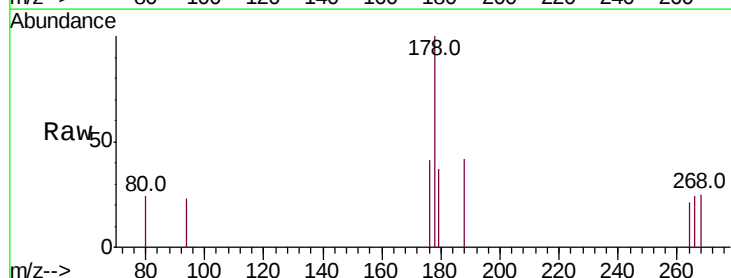
Tgt Ion:178 Resp: 377

Ion Ratio Lower Upper

178 100

179 36.5 14.3 21.5#

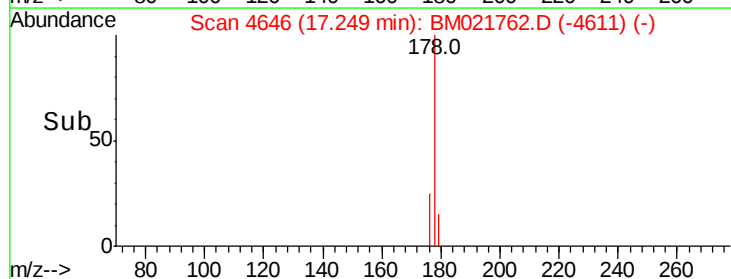
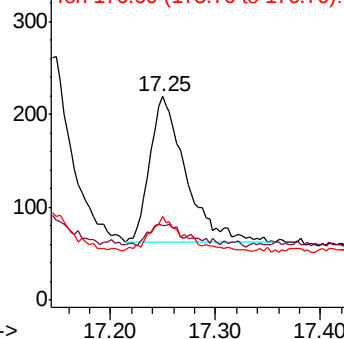
176 41.1 17.7 26.5#

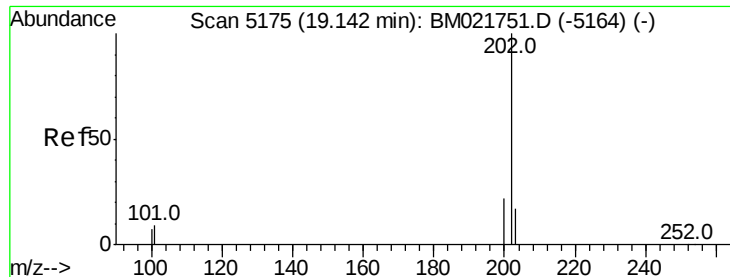


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.074 ng/ul

RT: 19.15 min Scan# 5177

Delta R.T. 0.01 min

Lab File: BM021762.D

Acq: 01 Aug 2019 02:38

Instrument :

BNA_M

ClientSampleId :

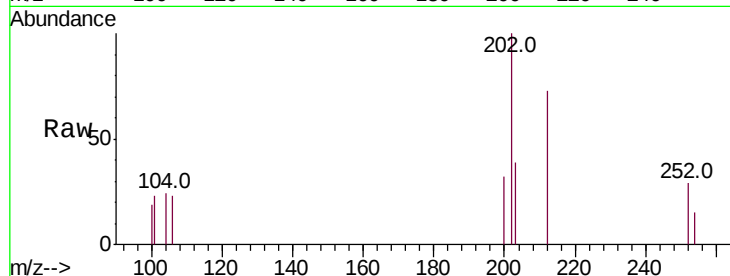
Tot Ion:202 Resp: 634

Ion Ratio Lower Upper

202 100

101 23.4 0.0 31.2

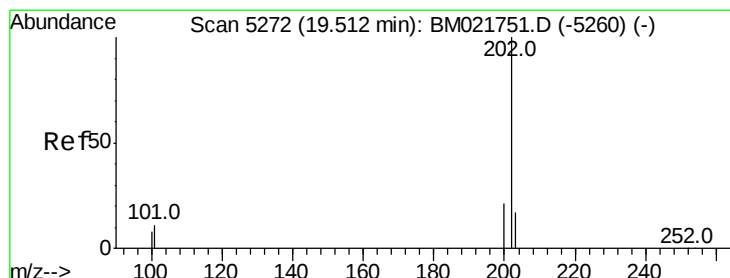
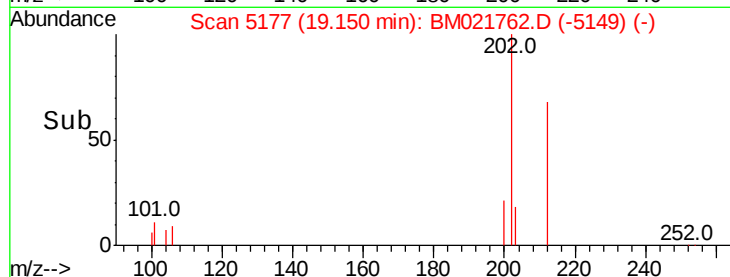
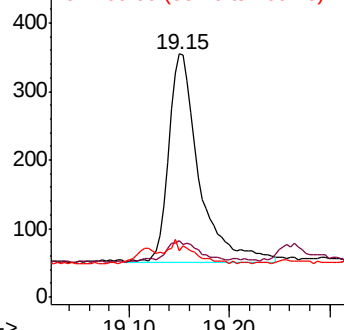
100 19.2 0.0 28.8



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



#17

Pyrene

Concen: 0.086 ng/ul

RT: 19.52 min Scan# 5274

Delta R.T. 0.01 min

Lab File: BM021762.D

Acq: 01 Aug 2019 02:38

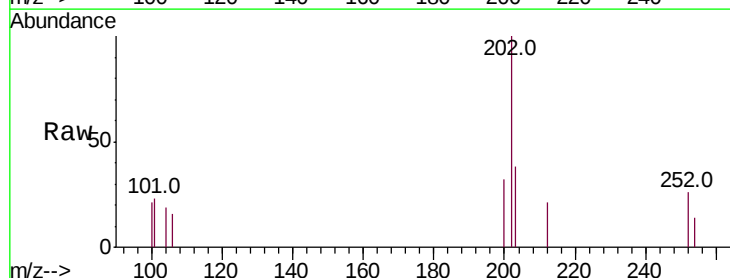
Tgt Ion:202 Resp: 672

Ion Ratio Lower Upper

202 100

101 23.5 10.6 15.8#

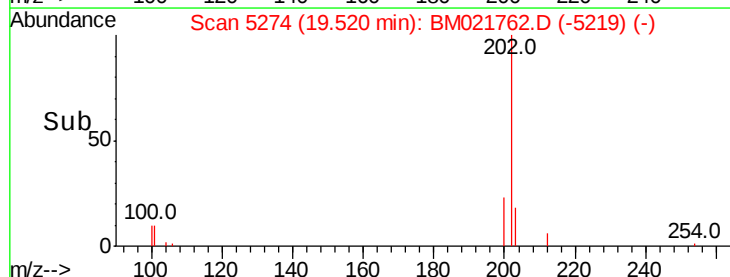
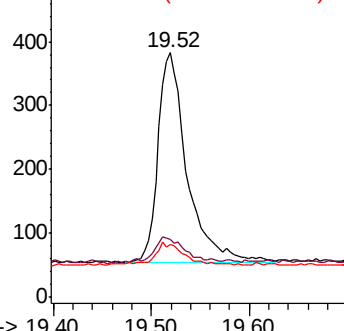
100 21.4 8.5 12.7#

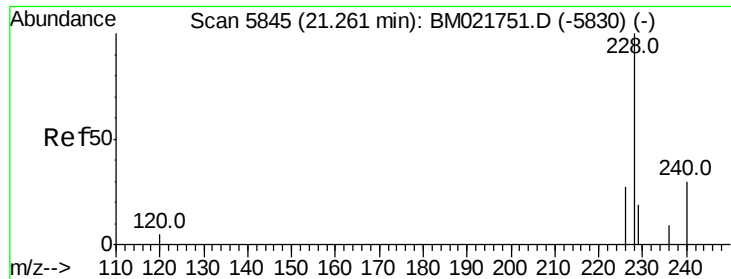


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.067 ng/ul

RT: 21.28 min Scan# 5851

Delta R.T. 0.01 min

Lab File: BM021762.D

Acq: 01 Aug 2019 02:38

Instrument :

BNA_M

ClientSampleId :

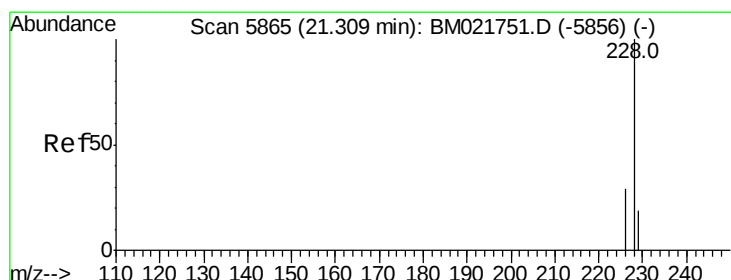
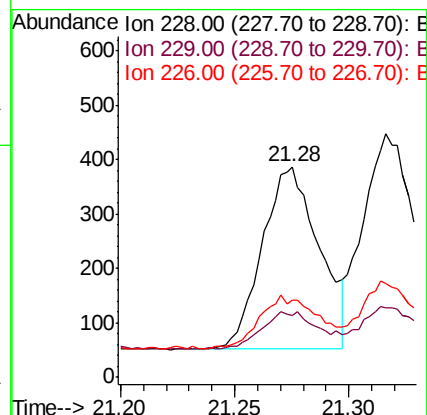
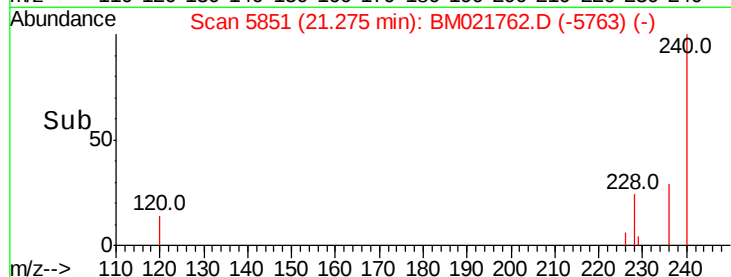
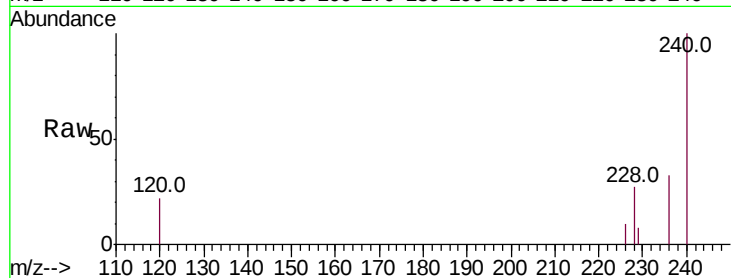
Tot Ion:228 Resp: 578

Ion Ratio Lower Upper

228 100

229 29.2 16.6 25.0#

226 37.0 23.0 34.4#



#19

Chrysene

Concen: 0.070 ng/ul

RT: 21.32 min Scan# 5868

Delta R.T. 0.00 min

Lab File: BM021762.D

Acq: 01 Aug 2019 02:38

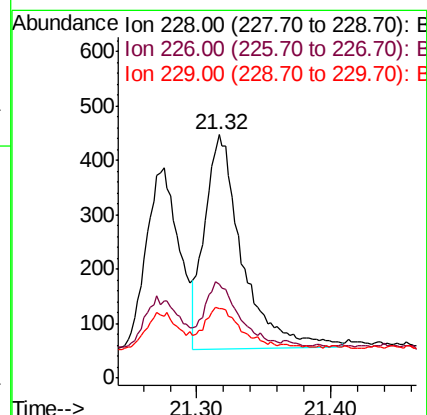
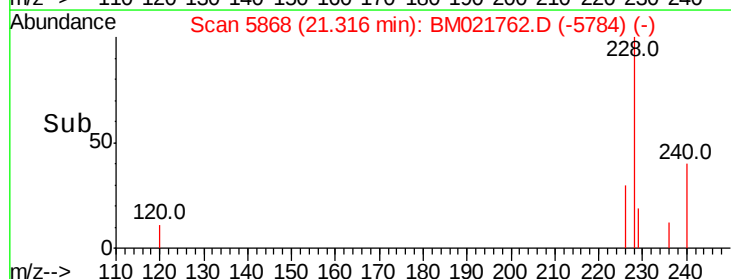
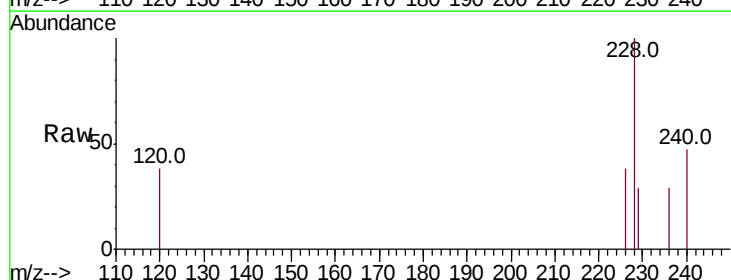
Tgt Ion:228 Resp: 758

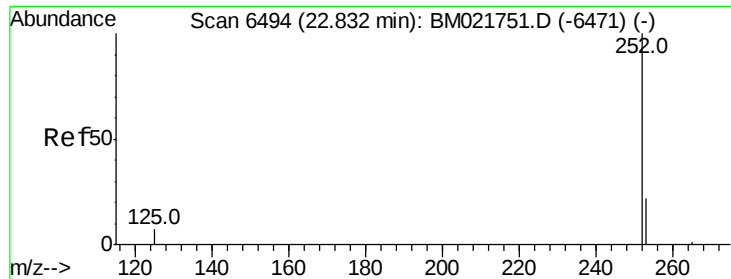
Ion Ratio Lower Upper

228 100

226 38.5 24.7 37.1#

229 28.9 16.9 25.3#





#21

Benzo(b)fluoranthene

Concen: 0.056 ng/ul

RT: 22.84 min Scan# 6499

Delta R.T. 0.01 min

Lab File: BM021762.D

Acq: 01 Aug 2019 02:38

Instrument :

BNA_M

ClientSampled :

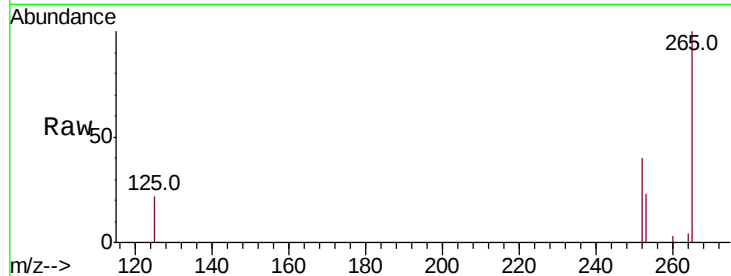
Tot Ion:252 Resp: 853

Ion Ratio Lower Upper

252 100

253 56.6 0.0 54.8#

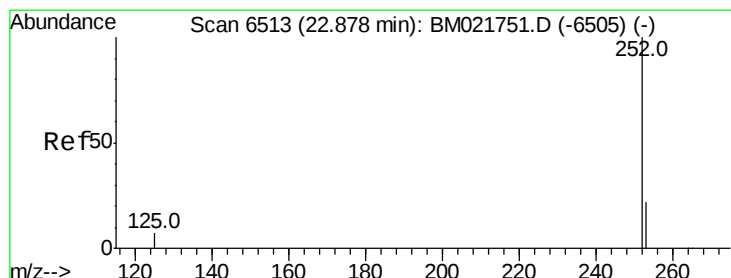
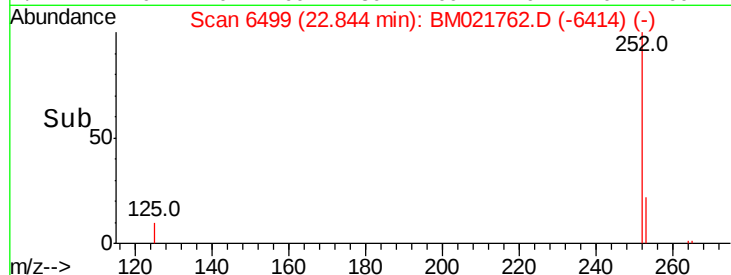
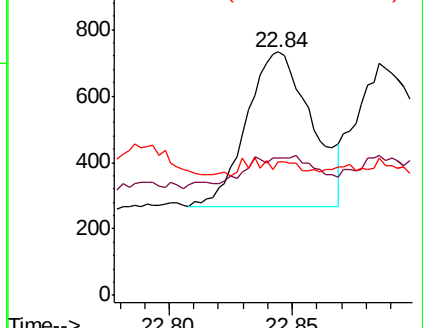
125 55.0 0.0 29.4#



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



#22

Benzo(k)fluoranthene

Concen: 0.059 ng/ul

RT: 22.89 min Scan# 6516

Delta R.T. 0.00 min

Lab File: BM021762.D

Acq: 01 Aug 2019 02:38

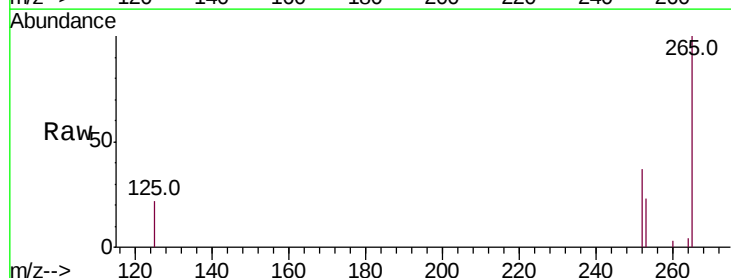
Tgt Ion:252 Resp: 905

Ion Ratio Lower Upper

252 100

253 60.4 22.6 33.8#

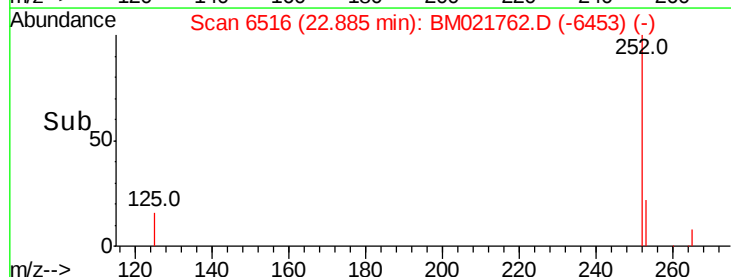
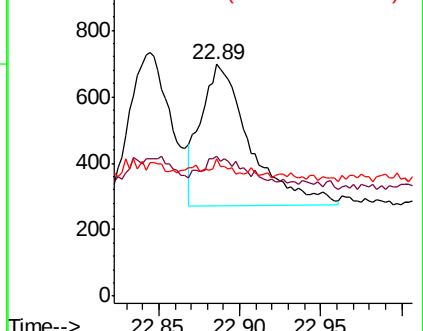
125 59.5 12.1 18.1#

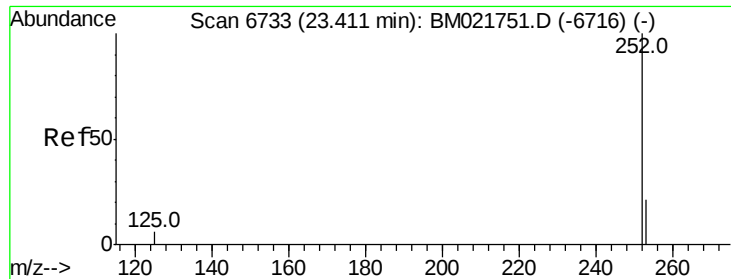


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.063 ng/ul

RT: 23.43 min Scan# 6741

Delta R.T. 0.01 min

Lab File: BM021762.D

Acq: 01 Aug 2019 02:38

Instrument :

BNA_M

ClientSampleId :

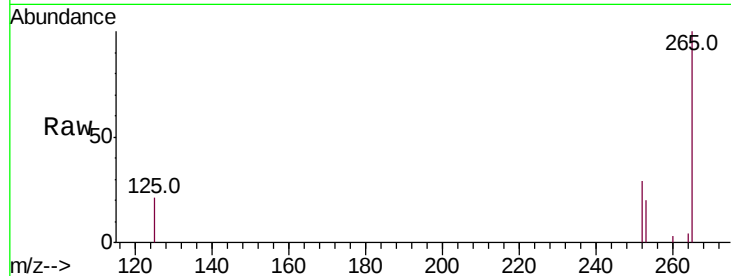
Tot Ion:252 Resp: 858

Ion Ratio Lower Upper

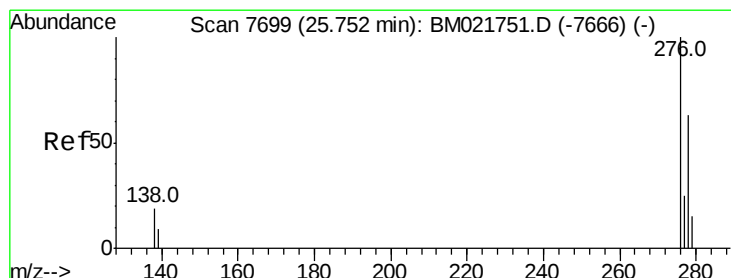
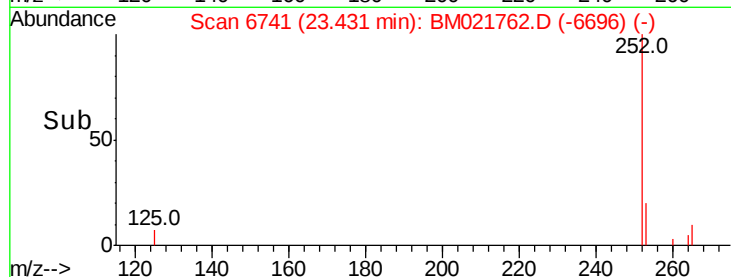
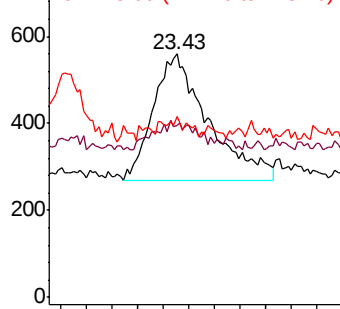
252 100

253 70.4 24.3 36.5#

125 74.1 14.9 22.3#



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: 0.059 ng/ul

RT: 25.80 min Scan# 7717

Delta R.T. 0.04 min

Lab File: BM021762.D

Acq: 01 Aug 2019 02:38

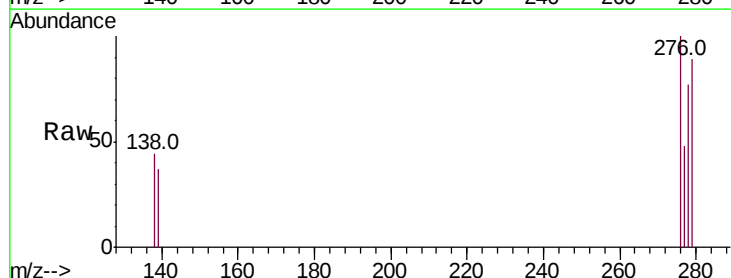
Tgt Ion:276 Resp: 1071

Ion Ratio Lower Upper

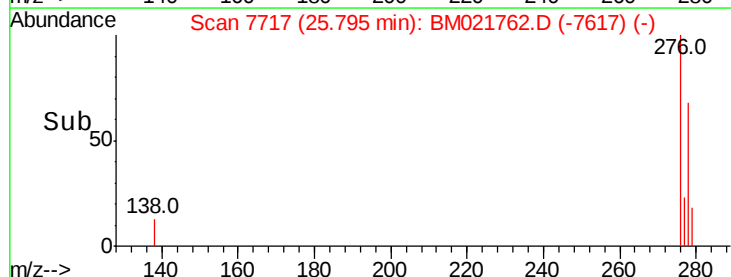
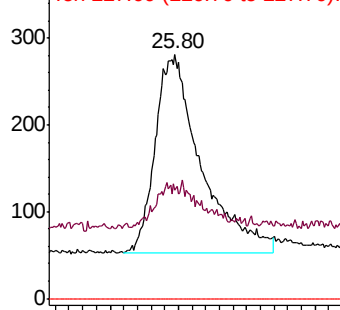
276 100

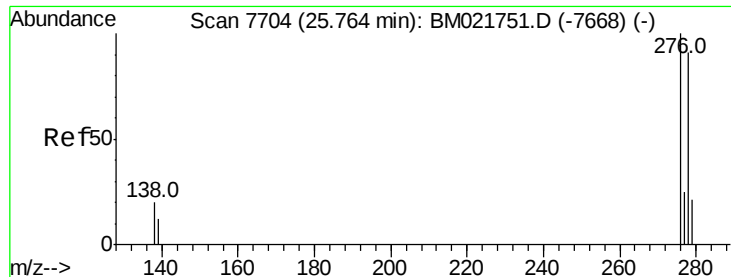
138 19.2 15.3 22.9

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



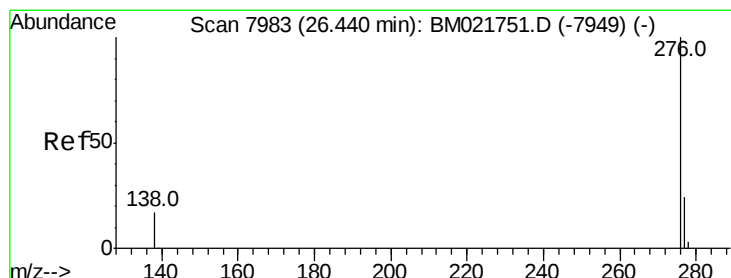
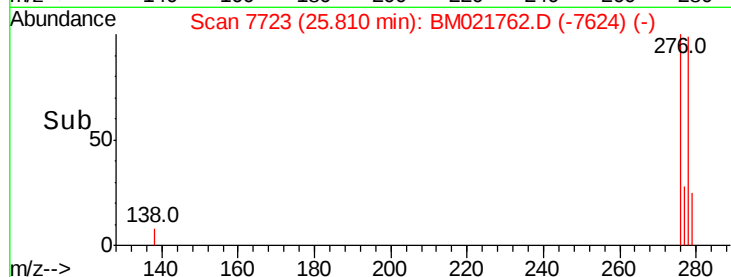
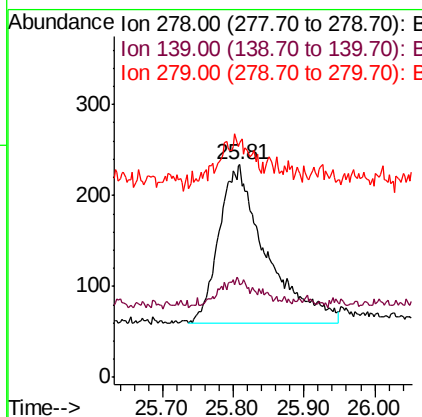
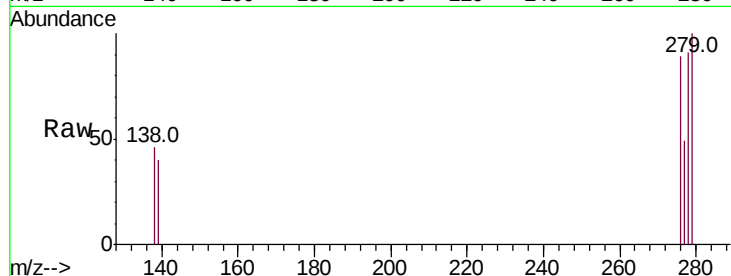


#25

Dibenzo(a,h)anthracene
 Concen: 0.056 ng/u1
 RT: 25.81 min Scan# 7723
 Delta R.T. 0.04 min
 Lab File: BM021762.D
 Acq: 01 Aug 2019 02:38

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:278 Resp: 806
 Ion Ratio Lower Upper
 278 100
 139 43.6 13.1 19.7#
 279 110.3 25.2 37.8#



#26

Benzo(g,h,i)perylene
 Concen: 0.060 ng/u1
 RT: 26.47 min Scan# 7997
 Delta R.T. 0.03 min
 Lab File: BM021762.D
 Acq: 01 Aug 2019 02:38

Tgt Ion:276 Resp: 1053
 Ion Ratio Lower Upper
 276 100
 138 47.4 15.4 23.2#
 277 49.6 20.9 31.3#

