

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073119\
 Data File : BM021761.D
 Acq On : 01 Aug 2019 02:01
 Operator : HP/JU
 Sample : MDL-W-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 02:37:38 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

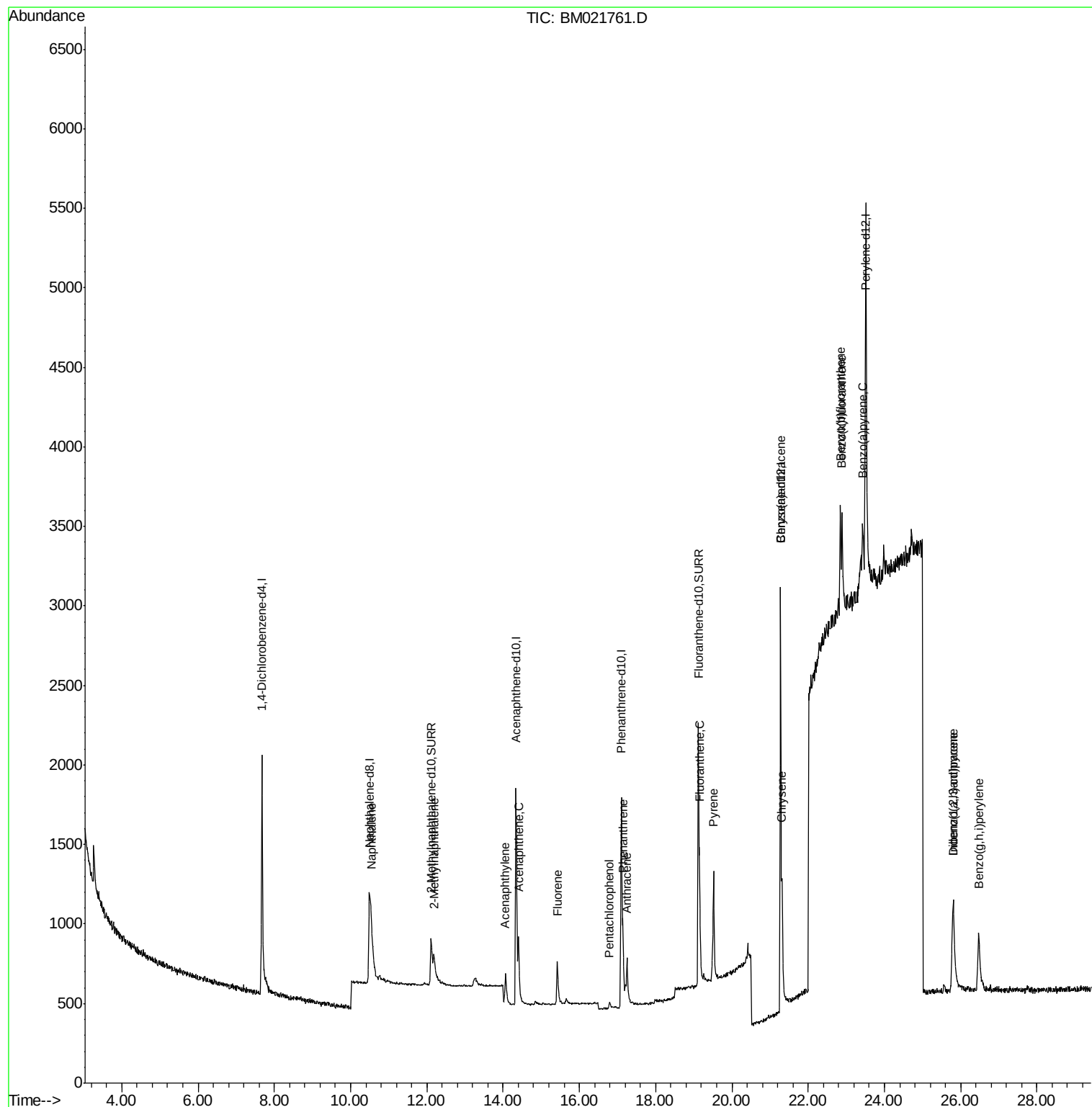
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	1177	0.40	ng/ul	0.00
2) Naphthalene-d8	10.49	136	2384	0.40	ng/ul	0.03
6) Acenaphthene-d10	14.34	164	1130	0.40	ng/ul	0.02
10) Phenanthrene-d10	17.10	188	2616	0.40	ng/ul	0.01
16) Chrysene-d12	21.28	240	2889	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	4043	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	1034	0.36	ng/ul	0.04
14) Fluoranthene-d10	19.12	212	2633	0.35	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.55	128	437	0.073	ng/ul#	29
5) 2-Methylnaphthalene	12.18	142	226	0.071	ng/ul	98
7) Acenaphthylene	14.07	152	367	0.059	ng/ul#	64
8) Acenaphthene	14.40	153	322	0.071	ng/ul	95
9) Fluorene	15.42	166	321	0.063	ng/ul#	90
11) Pentachlorophenol	16.79	266	63	0.071	ng/ul	93
12) Phenanthrene	17.14	178	611	0.084	ng/ul#	73
13) Anthracene	17.25	178	444	0.071	ng/ul#	61
15) Fluoranthene	19.15	202	726	0.080	ng/ul	73
17) Pyrene	19.52	202	804	0.098	ng/ul#	78
18) Benzo(a)anthracene	21.27	228	656	0.073	ng/ul#	81
19) Chrysene	21.31	228	860	0.076	ng/ul#	86
21) Benzo(b)fluoranthene	22.84	252	977	0.065	ng/ul#	31
22) Benzo(k)fluoranthene	22.89	252	993	0.066	ng/ul#	28
23) Benzo(a)pyrene	23.43	252	916	0.068	ng/ul#	8
24) Indeno(1,2,3-cd)pyrene	25.79	276	1101	0.061	ng/ul#	79
25) Dibenzo(a,h)anthracene	25.80	278	831	0.059	ng/ul#	1
26) Benzo(g,h,i)perylene	26.47	276	1068	0.062	ng/ul#	55

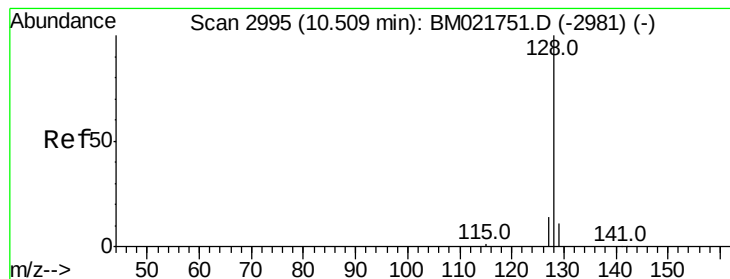
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.073 ng/ul

RT: 10.55 min Scan# 3003

Delta R.T. 0.03 min

Lab File: BM021761.D

Acq: 01 Aug 2019 02:01

Instrument :

BNA_M

ClientSampleId :

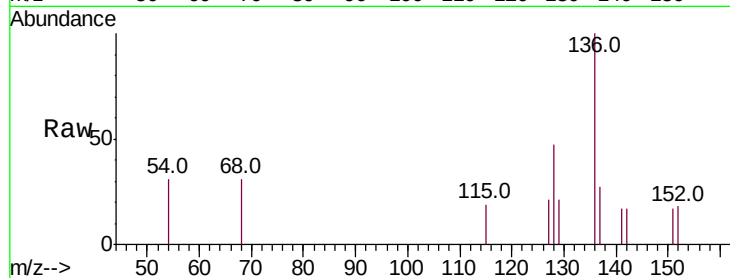
Tot Ion:128 Resp: 437

Ion Ratio Lower Upper

128 100

129 45.0 10.8 16.2#

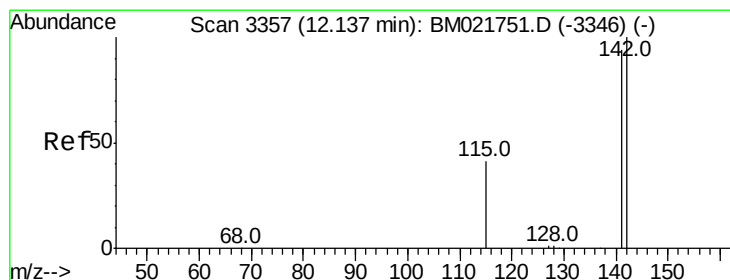
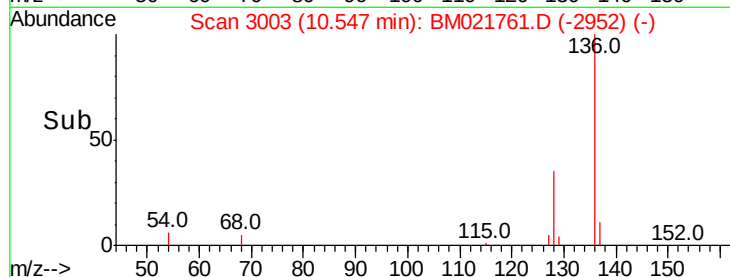
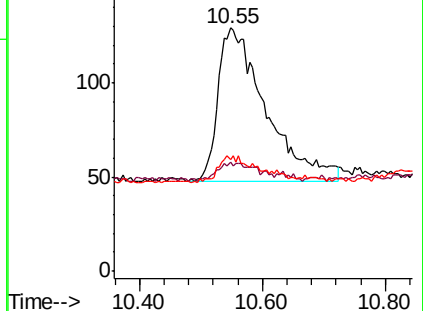
127 45.7 13.7 20.5#



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



#5

2-Methylnaphthalene

Concen: 0.071 ng/ul

RT: 12.18 min Scan# 3367

Delta R.T. 0.04 min

Lab File: BM021761.D

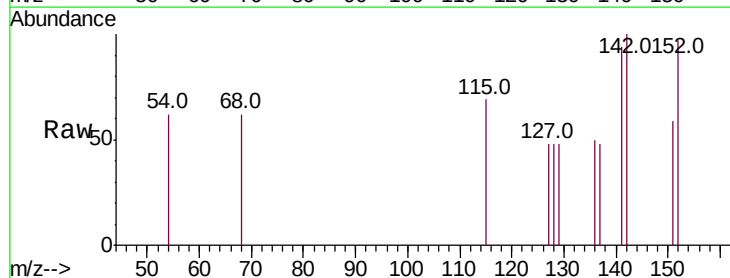
Acq: 01 Aug 2019 02:01

Tgt Ion:142 Resp: 226

Ion Ratio Lower Upper

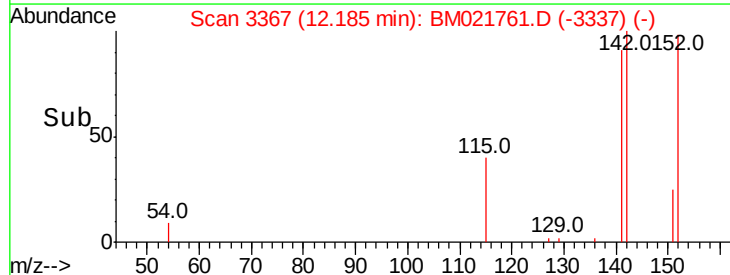
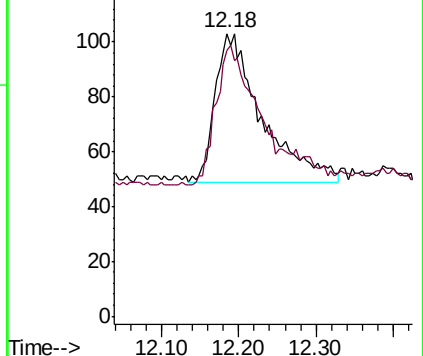
142 100

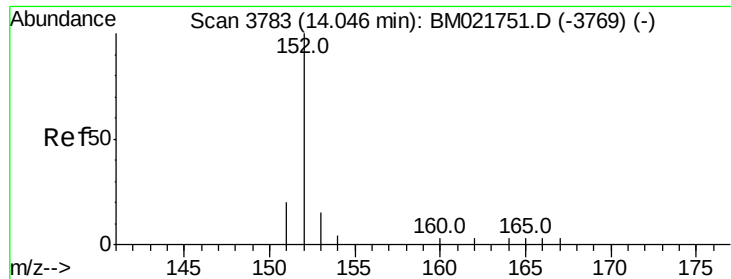
141 96.5 78.6 118.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.059 ng/ul

RT: 14.07 min Scan# 3789

Delta R.T. 0.02 min

Lab File: BM021761.D

Acq: 01 Aug 2019 02:01

Instrument :

BNA_M

ClientSampleId :

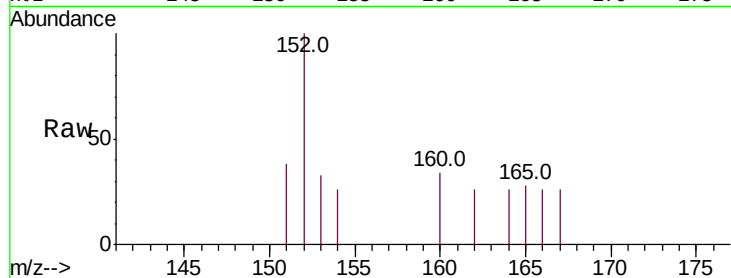
Tot Ion:152 Resp: 367

Ion Ratio Lower Upper

152 100

151 38.3 17.6 26.4#

153 33.0 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

250

200

150

100

50

0

14.00

14.10

14.20

14.30

14.40

14.50

14.60

14.70

14.80

14.90

15.00

15.10

15.20

15.30

15.40

15.50

15.60

15.70

15.80

15.90

16.00

16.10

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16.30

16.40

16.50

16.60

16.70

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16.90

17.00

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18.00

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19.00

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21.00

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27.00

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28.00

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29.00

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30.90

31.00

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31.40

31.50

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31.70

31.80

31.90

32.00

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32.70

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32.90

33.00

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33.70

33.80

33.90

34.00

34.10

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34.70

34.80

34.90

35.00

35.10

35.20

35.30

35.40

35.50

35.60

35.70

35.80

35.90

36.00

36.10

36.20

36.30

36.40

36.50

36.60

36.70

36.80

36.90

37.00

37.10

37.20

37.30

37.40

37.50

37.60

37.70

37.80

37.90

38.00

38.10

38.20

38.30

38.40

38.50

38.60

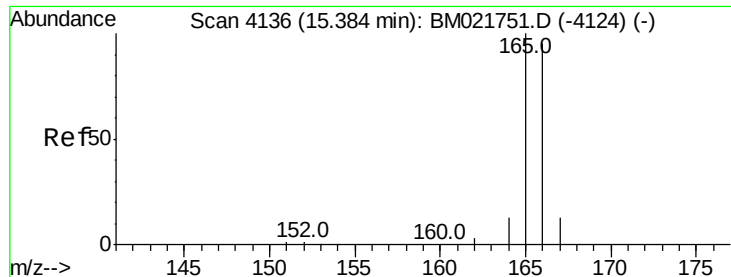
38.70

38.80

38.90

39.00

39.10



#9

Fluorene

Concen: 0.063 ng/ul

RT: 15.42 min Scan# 4145

Delta R.T. 0.03 min

Lab File: BM021761.D

Acq: 01 Aug 2019 02:01

Instrument :

BNA_M

ClientSampleId :

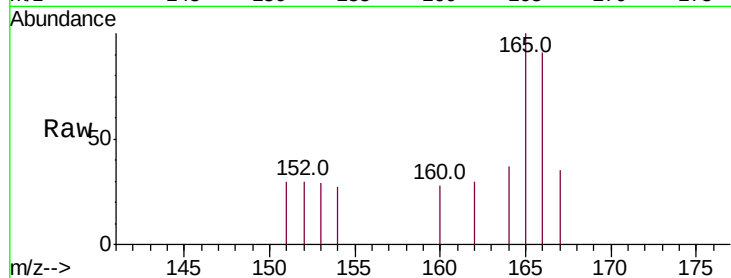
Tot Ion:166 Resp: 321

Ion Ratio Lower Upper

166 100

165 110.1 85.2 127.8

167 39.0 13.0 19.6#



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

15.42

200

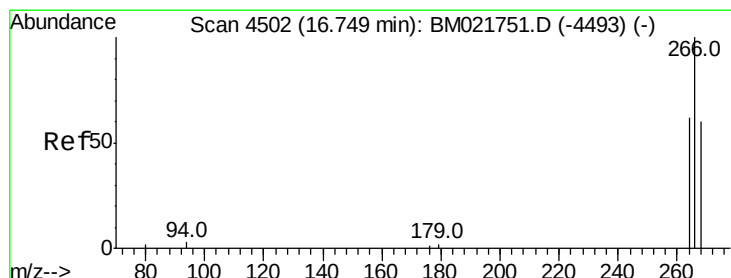
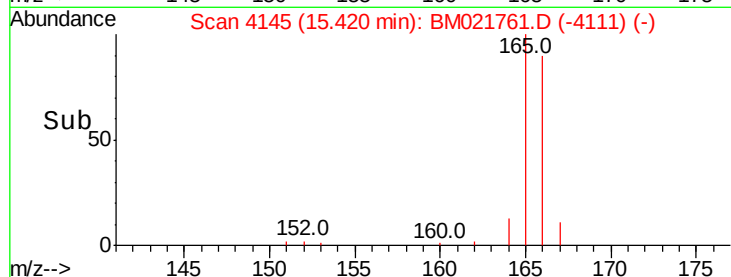
150

100

50

0

Time--> 15.30 15.40 15.50



#11

Pentachlorophenol

Concen: 0.071 ng/ul

RT: 16.79 min Scan# 4512

Delta R.T. 0.03 min

Lab File: BM021761.D

Acq: 01 Aug 2019 02:01

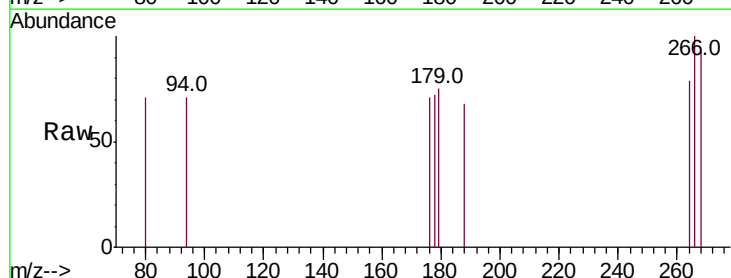
Tgt Ion:266 Resp: 63

Ion Ratio Lower Upper

266 100

264 52.4 48.8 73.2

268 63.5 53.4 80.0



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

16.79

100

80

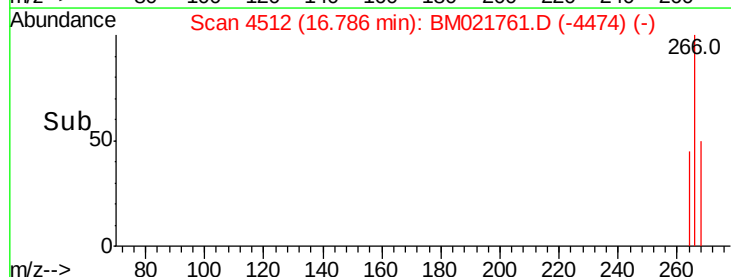
60

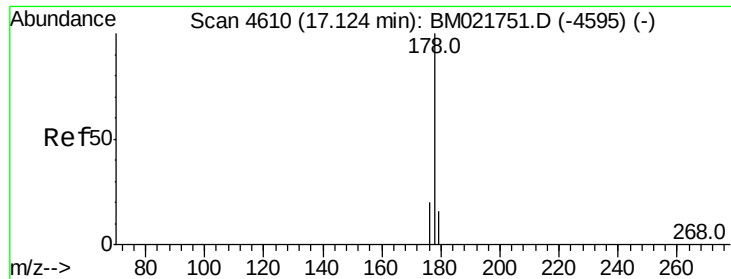
40

20

0

Time--> 16.70 16.75 16.80 16.85





#12

Phenanthrene

Concen: 0.084 ng/ul

RT: 17.14 min Scan# 4614

Delta R.T. 0.01 min

Lab File: BM021761.D

Acq: 01 Aug 2019 02:01

Instrument :

BNA_M

ClientSampleId :

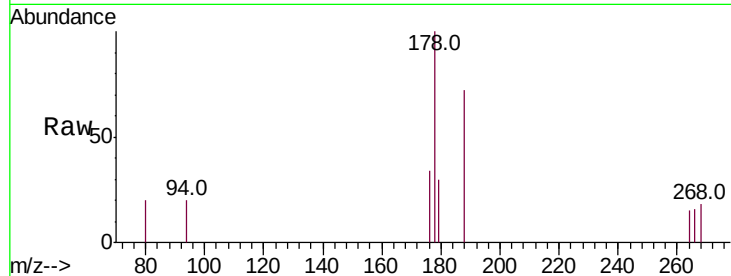
Tot Ion:178 Resp: 611

Ion Ratio Lower Upper

178 100

179 30.2 13.9 20.9#

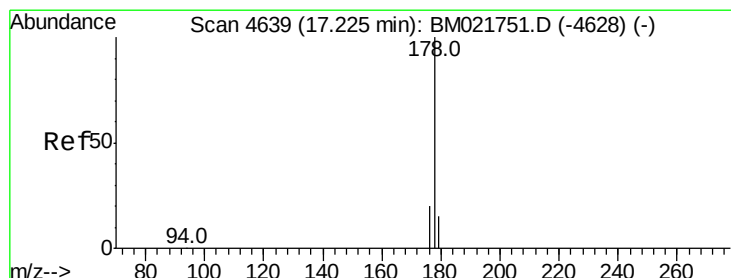
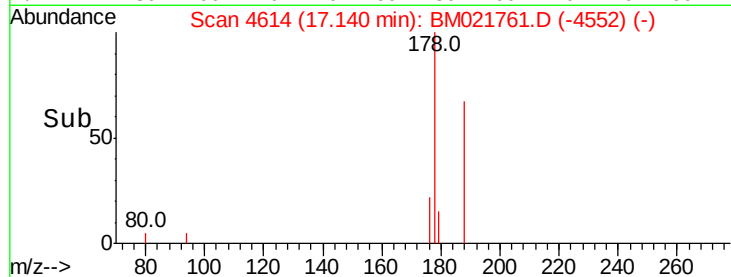
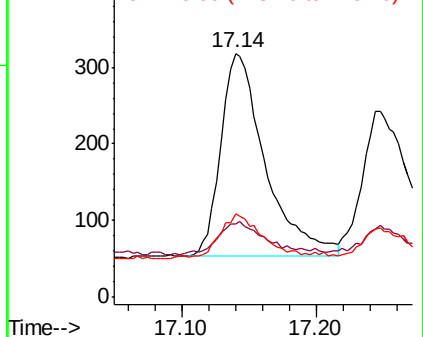
176 34.3 17.8 26.8#



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: 0.071 ng/ul

RT: 17.25 min Scan# 4645

Delta R.T. 0.02 min

Lab File: BM021761.D

Acq: 01 Aug 2019 02:01

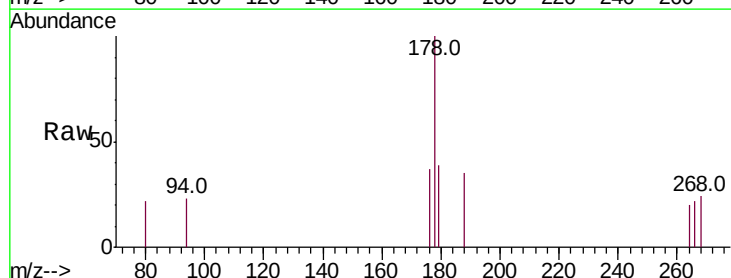
Tgt Ion:178 Resp: 444

Ion Ratio Lower Upper

178 100

179 38.7 14.3 21.5#

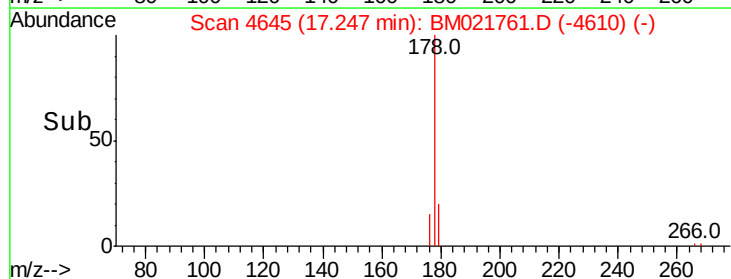
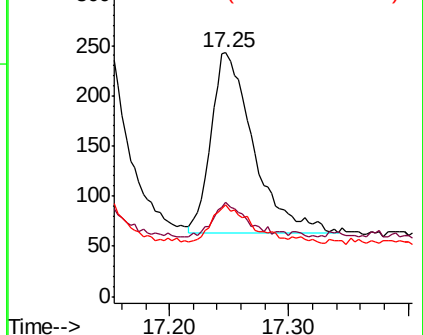
176 37.4 17.7 26.5#

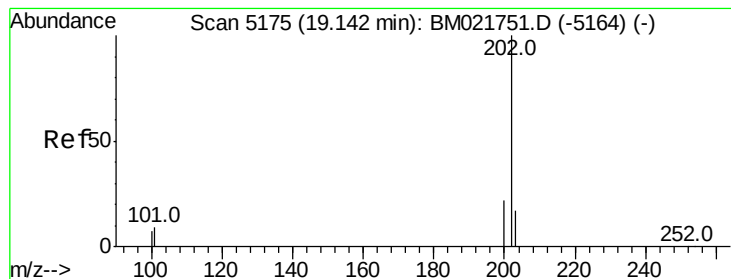


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.080 ng/ul

RT: 19.15 min Scan# 5177

Delta R.T. 0.01 min

Lab File: BM021761.D

Acq: 01 Aug 2019 02:01

Instrument :

BNA_M

ClientSampleId :

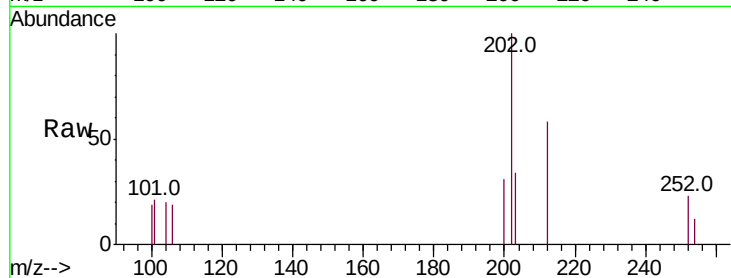
Tot Ion:202 Resp: 726

Ion Ratio Lower Upper

202 100

101 20.7 0.0 31.2

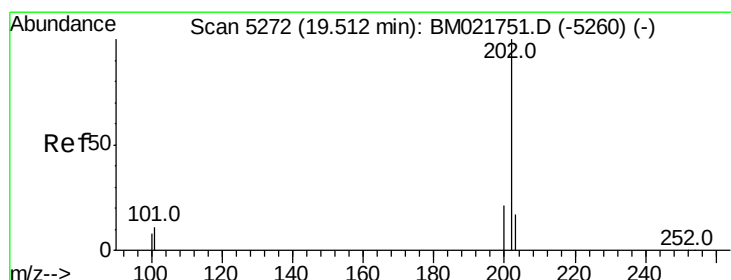
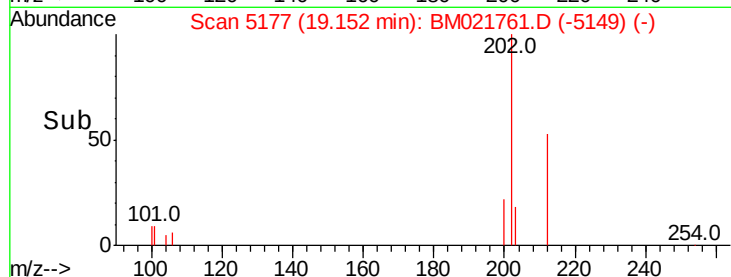
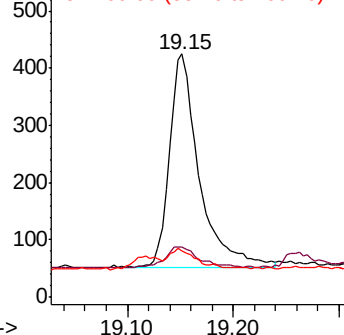
100 19.3 0.0 28.8



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: 0.098 ng/ul

RT: 19.52 min Scan# 5273

Delta R.T. 0.01 min

Lab File: BM021761.D

Acq: 01 Aug 2019 02:01

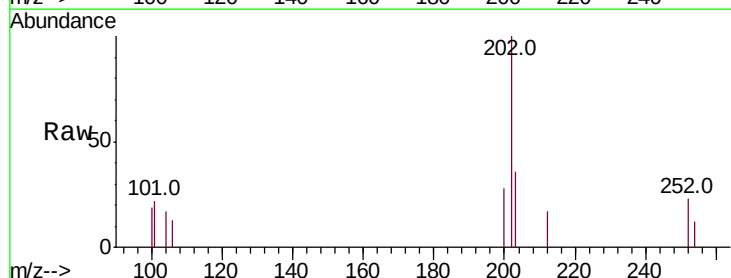
Tgt Ion:202 Resp: 804

Ion Ratio Lower Upper

202 100

101 21.8 10.6 15.8#

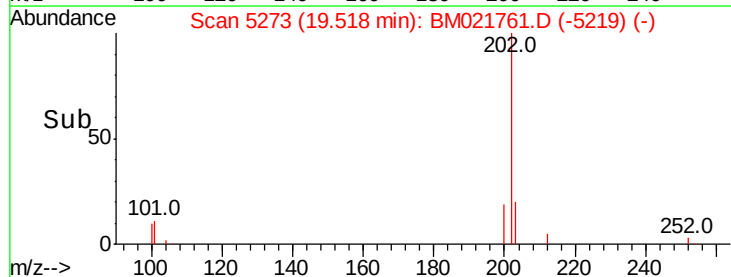
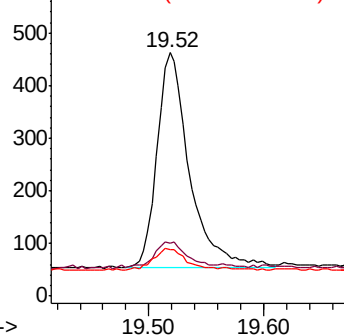
100 19.2 8.5 12.7#

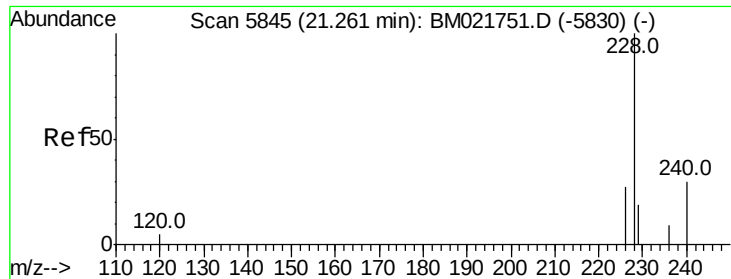


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.073 ng/ul

RT: 21.27 min Scan# 5850

Delta R.T. 0.01 min

Lab File: BM021761.D

Acq: 01 Aug 2019 02:01

Instrument :

BNA_M

ClientSampleId :

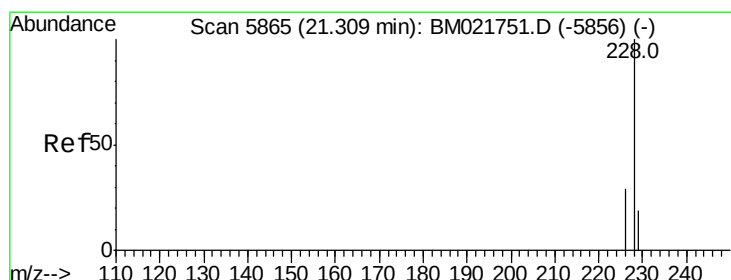
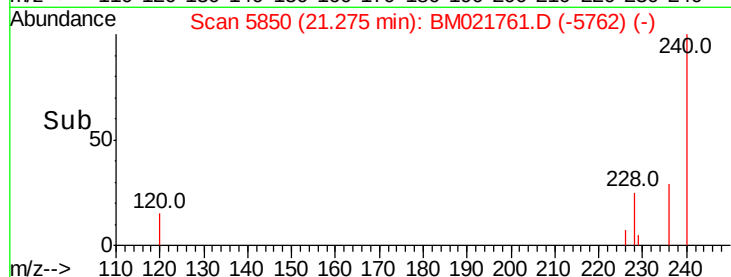
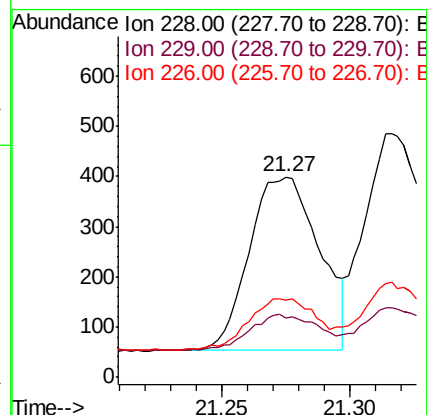
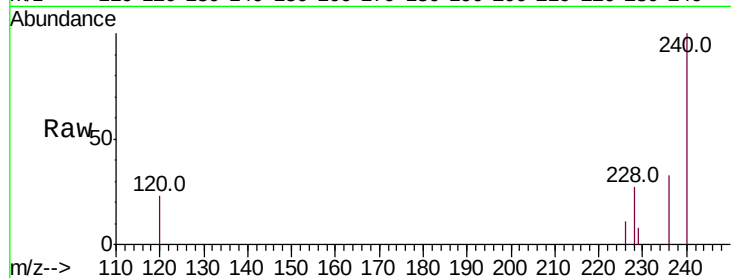
Tot Ion:228 Resp: 656

Ion Ratio Lower Upper

228 100

229 29.8 16.6 25.0#

226 38.6 23.0 34.4#



#19

Chrysene

Concen: 0.076 ng/ul

RT: 21.31 min Scan# 5866

Delta R.T. 0.00 min

Lab File: BM021761.D

Acq: 01 Aug 2019 02:01

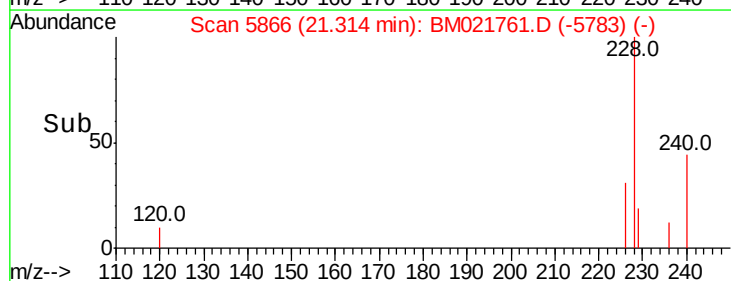
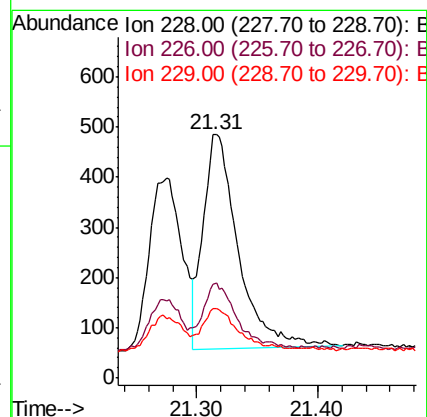
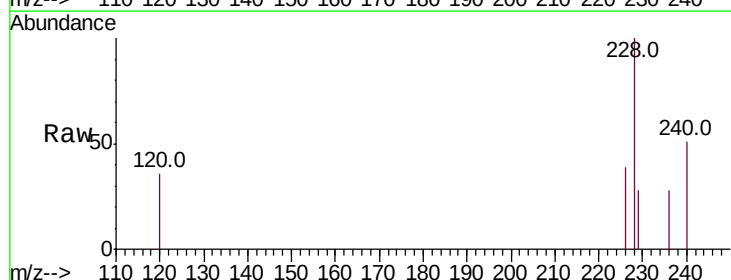
Tgt Ion:228 Resp: 860

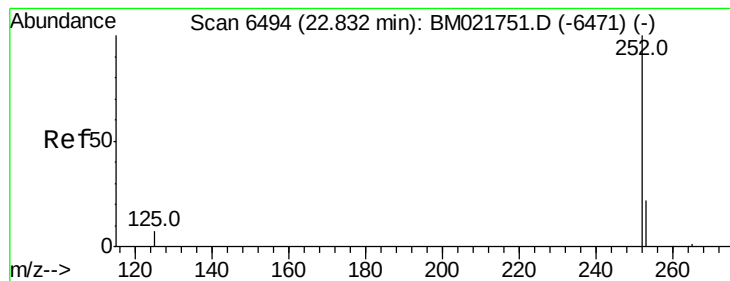
Ion Ratio Lower Upper

228 100

226 38.6 24.7 37.1#

229 28.2 16.9 25.3#





#21

Benzo(b)fluoranthene

Concen: 0.065 ng/ul

RT: 22.84 min Scan# 6497

Delta R.T. 0.00 min

Lab File: BM021761.D

Acq: 01 Aug 2019 02:01

Instrument :

BNA_M

ClientSampleId :

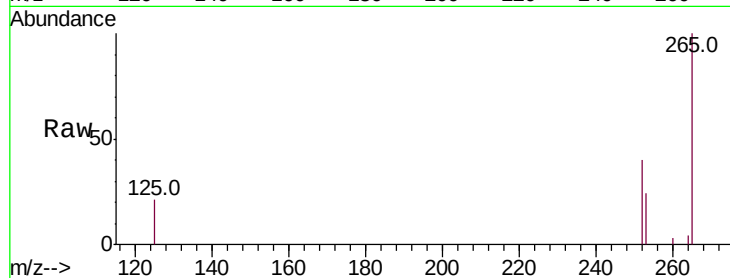
Tot Ion:252 Resp: 977

Ion Ratio Lower Upper

252 100

253 58.1 0.0 54.8#

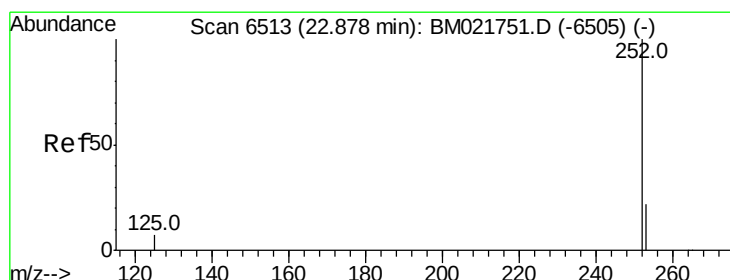
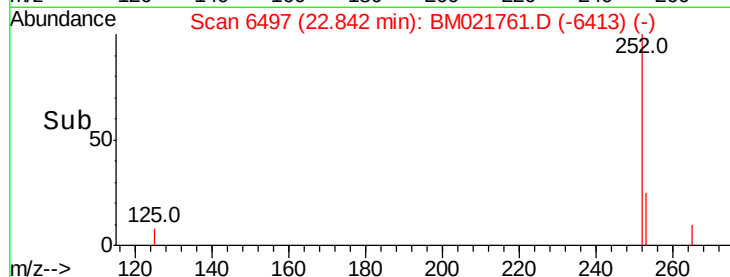
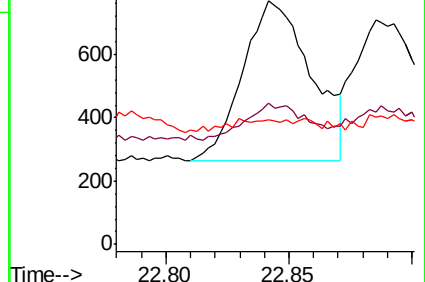
125 51.0 0.0 29.4#



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: 0.066 ng/ul

RT: 22.89 min Scan# 6515

Delta R.T. 0.00 min

Lab File: BM021761.D

Acq: 01 Aug 2019 02:01

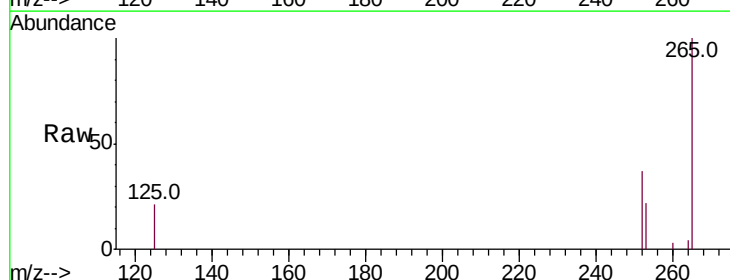
Tgt Ion:252 Resp: 993

Ion Ratio Lower Upper

252 100

253 58.7 22.6 33.8#

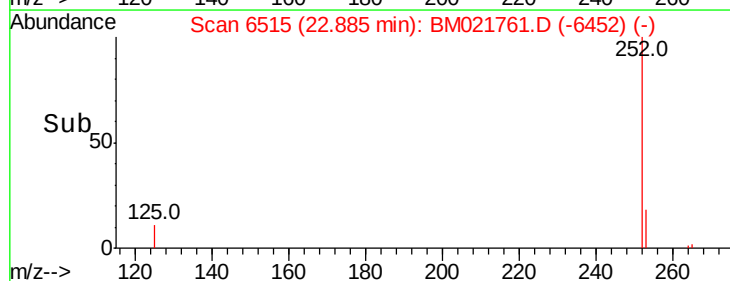
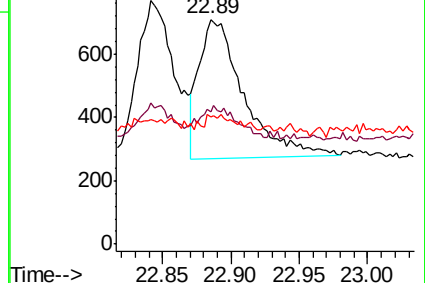
125 56.5 12.1 18.1#

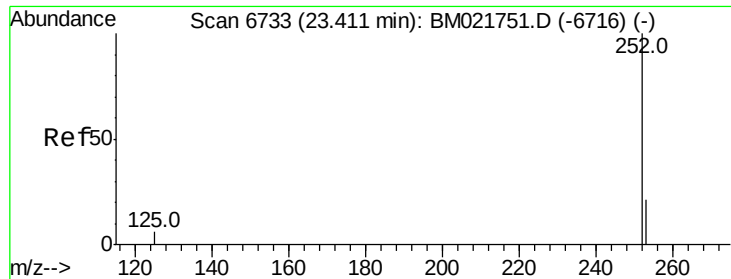


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.068 ng/ul

RT: 23.43 min Scan# 6741

Delta R.T. 0.01 min

Lab File: BM021761.D

Acq: 01 Aug 2019 02:01

Instrument :

BNA_M

ClientSampleId :

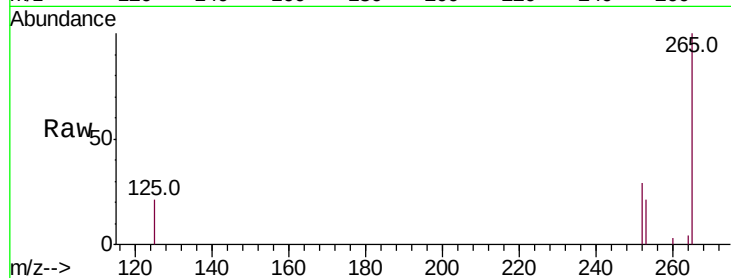
Tot Ion:252 Resp: 916

Ion Ratio Lower Upper

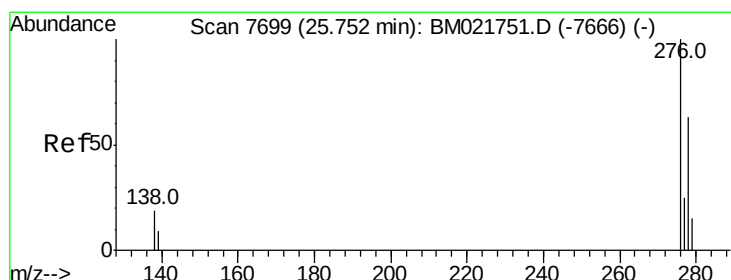
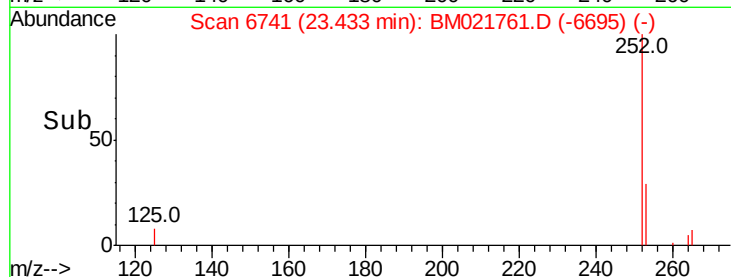
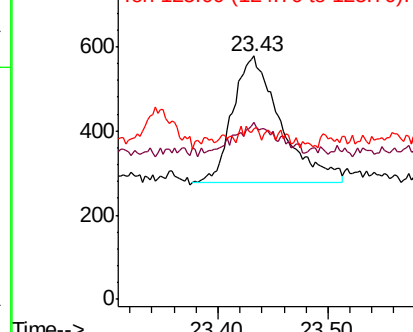
252 100

253 72.8 24.3 36.5#

125 69.9 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: 0.061 ng/ul

RT: 25.79 min Scan# 7715

Delta R.T. 0.04 min

Lab File: BM021761.D

Acq: 01 Aug 2019 02:01

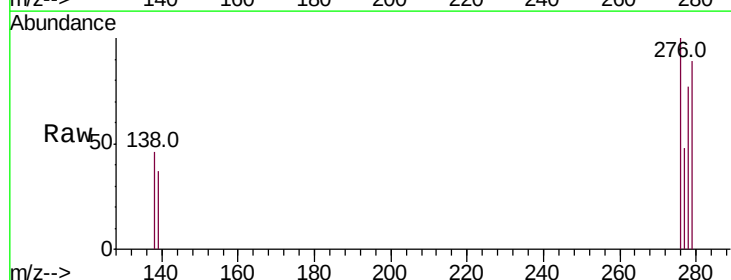
Tgt Ion:276 Resp: 1101

Ion Ratio Lower Upper

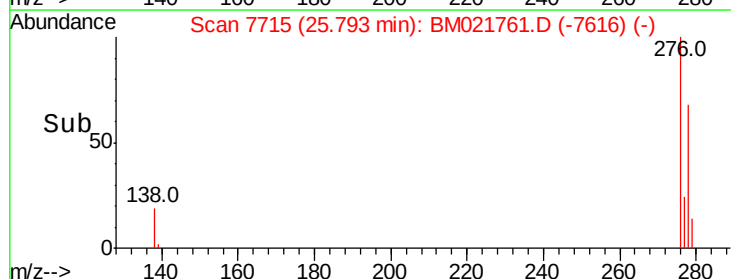
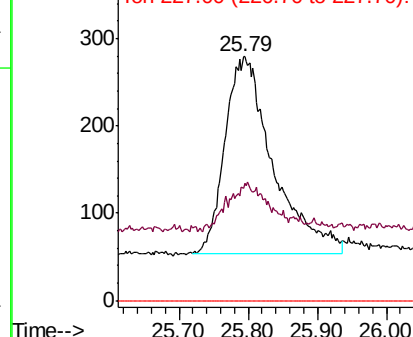
276 100

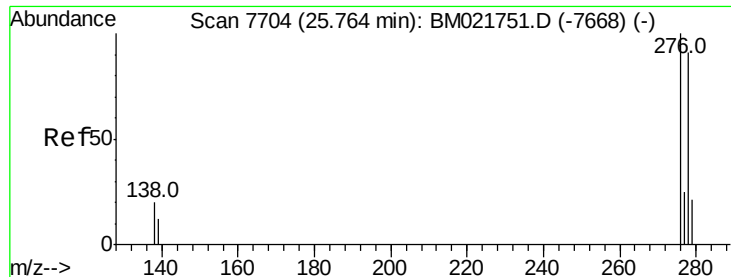
138 9.6 15.3 22.9#

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: 0.059 ng/ul

RT: 25.80 min Scan# 7719

Delta R.T. 0.03 min

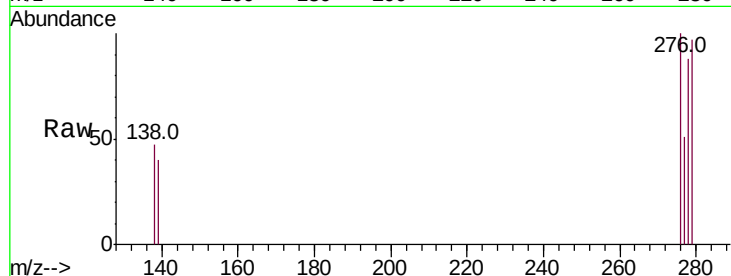
Lab File: BM021761.D

Acq: 01 Aug 2019 02:01

Instrument :

BNA_M

ClientSampleId :



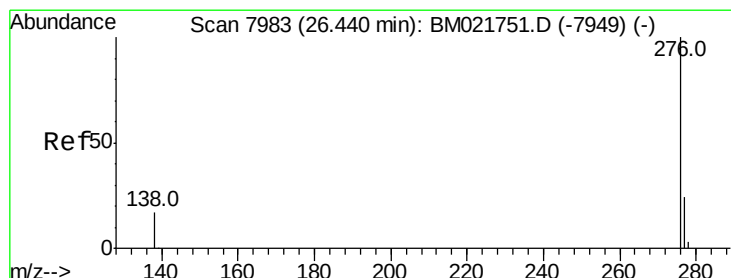
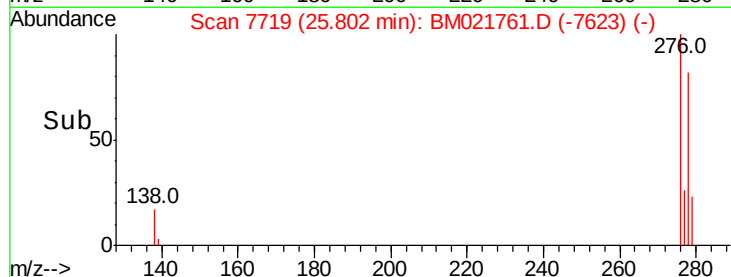
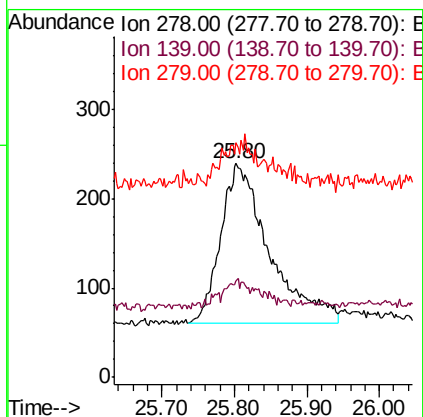
Tot Ion:278 Resp: 831

Ion Ratio Lower Upper

278 100

139 45.2 13.1 19.7#

279 110.0 25.2 37.8#



#26

Benzo(g,h,i)perylene

Concen: 0.062 ng/ul

RT: 26.47 min Scan# 7996

Delta R.T. 0.03 min

Lab File: BM021761.D

Acq: 01 Aug 2019 02:01

Tgt Ion:276 Resp: 1068

Ion Ratio Lower Upper

276 100

138 43.6 15.4 23.2#

277 46.0 20.9 31.3#

