

Data File : BM025151.D
Acq On : 29 Feb 2020 02:33
Operator : CG/JU
Sample : L1507-18
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBD16

Quant Time: Mar 02 00:39:11 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 : Mon Mar 02 00:36:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	3036	0.40	ng/ul	0.00
2) Naphthalene-d8	10.45	136	12040	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	8060	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-17.05
16) Chrysene-d12	21.24	240	17940	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	19656	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	7044	0.31	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	18934	0.00	ng/ul	0.00

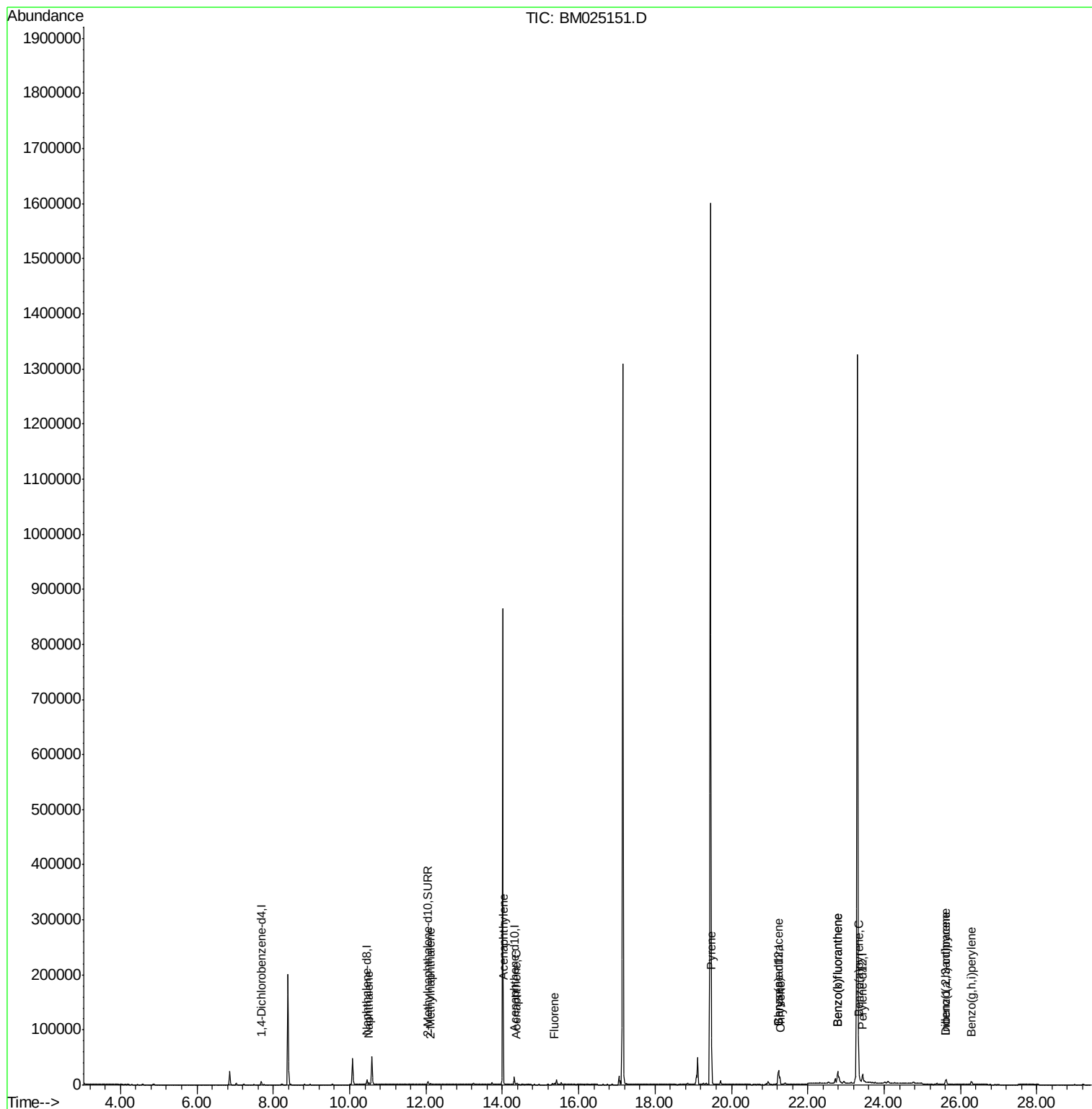
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.51	128	4414	0.120	ng/ul#	87
5) 2-Methylnaphthalene	12.12	142	1610	0.061	ng/ul	99
7) Acenaphthylene	14.03	152	2936	0.063	ng/ul	95
8) Acenaphthene	14.37	153	1722	0.055	ng/ul	99
9) Fluorene	15.36	166	1542	0.039	ng/ul	97
17) Pyrene	19.48	202	68049	0.842	ng/ul	97
18) Benzo(a)anthracene	21.22	228	15336	0.198	ng/ul	97
19) Chrysene	21.27	228	11044	0.143	ng/ul	98
21) Benzo(b)fluoranthene	22.78	252	45494	0.590	ng/ul	96
22) Benzo(k)fluoranthene	22.78	252	45387	0.595	ng/ul#	97
23) Benzo(a)pyrene	23.34	252	12048	0.171	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.62	276	14409	0.163	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.63	278	3725	0.050	ng/ul#	64
26) Benzo(g,h,i)perylene	26.28	276	11946	0.161	ng/ul	96

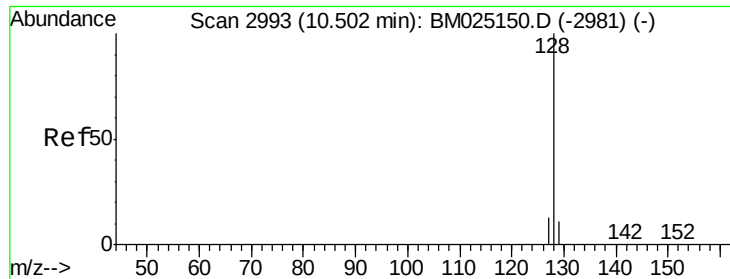
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 02 00:36:45 2020
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#3

Naphthalene

Concen: 0.120 ng/ul

RT: 10.51 min Scan# 2994

Delta R.T. 0.00 min

Lab File: BM025151.D

Acq: 29 Feb 2020 02:33

Instrument :

BNA_M

ClientSampleId :

DBD16

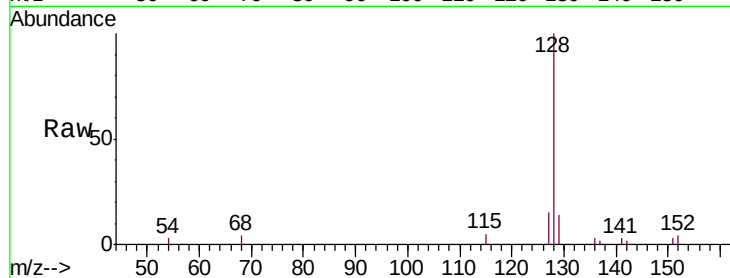
Tgt Ion:128 Resp: 4414

Ion Ratio Lower Upper

128 100

129 13.9 17.0 25.6#

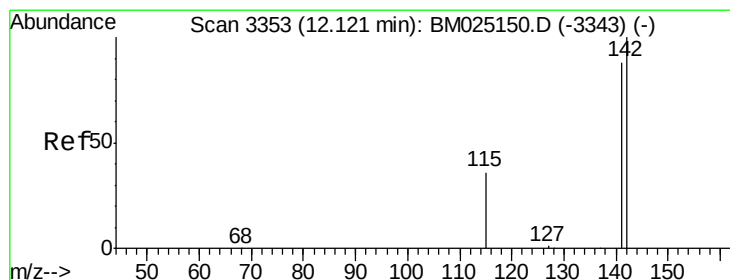
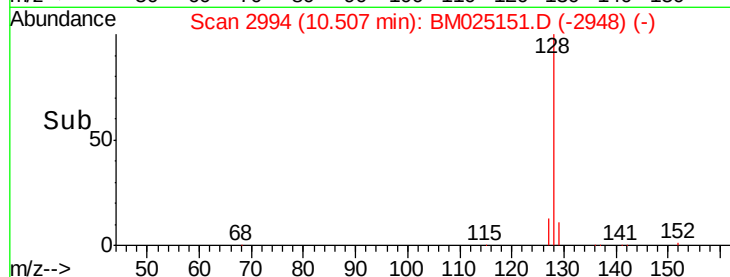
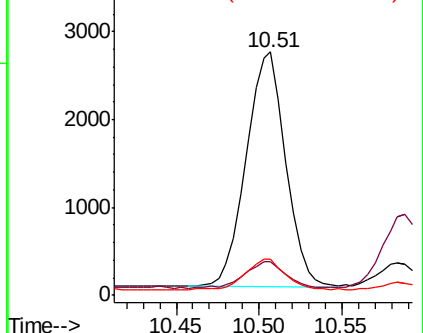
127 15.1 15.7 23.5#



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: 0.061 ng/ul

RT: 12.12 min Scan# 3353

Delta R.T. 0.00 min

Lab File: BM025151.D

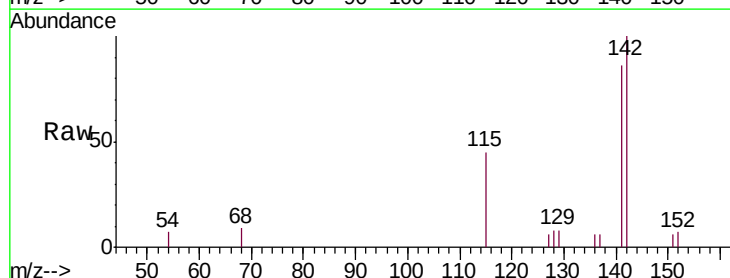
Acq: 29 Feb 2020 02:33

Tgt Ion:142 Resp: 1610

Ion Ratio Lower Upper

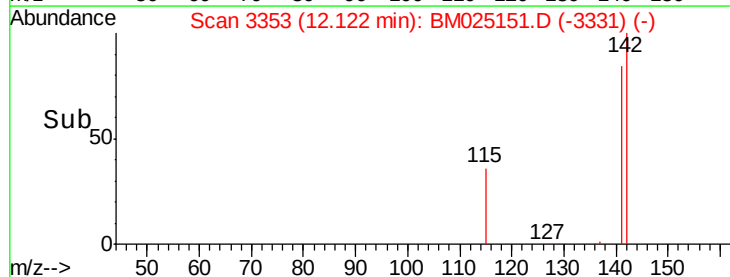
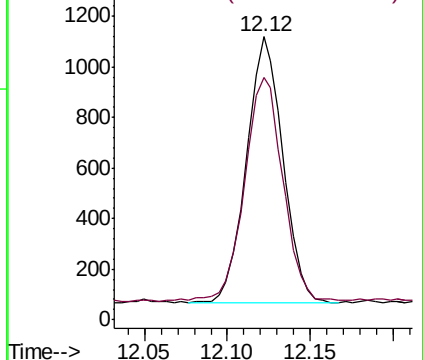
142 100

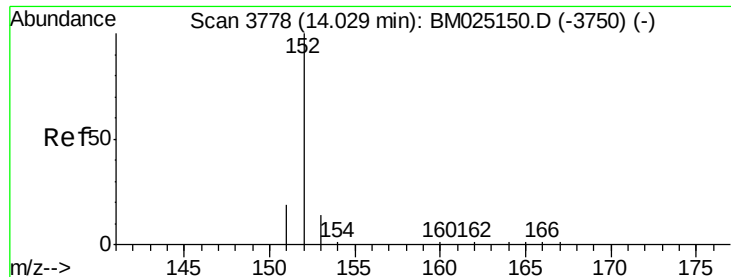
141 88.5 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.063 ng/ul

RT: 14.03 min Scan# 3778

Delta R.T. 0.00 min

Lab File: BM025151.D

Acq: 29 Feb 2020 02:33

Instrument :

BNA_M

ClientSampleId :

DBD16

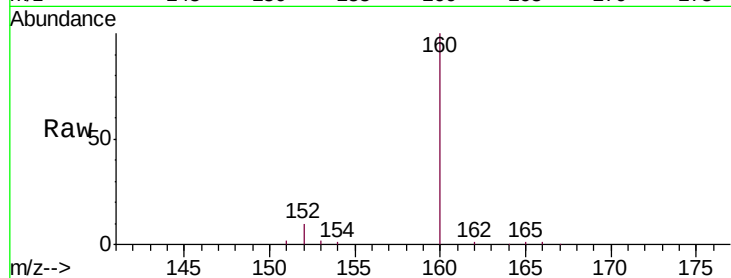
Tgt Ion:152 Resp: 2936

Ion Ratio Lower Upper

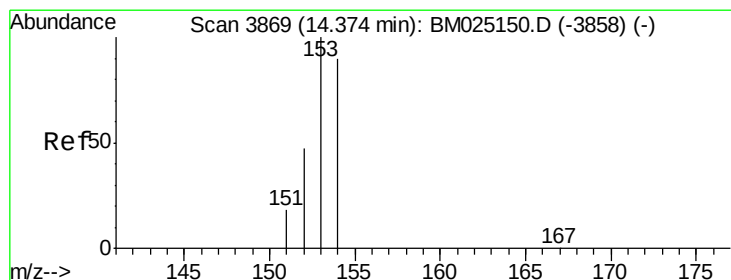
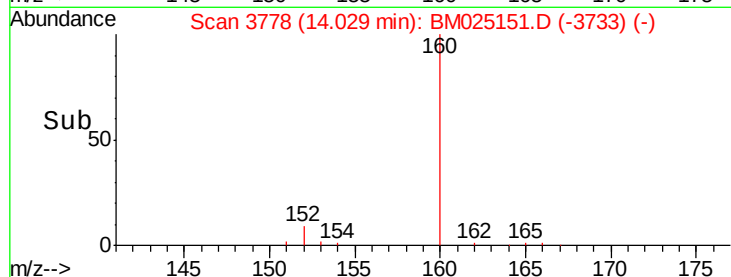
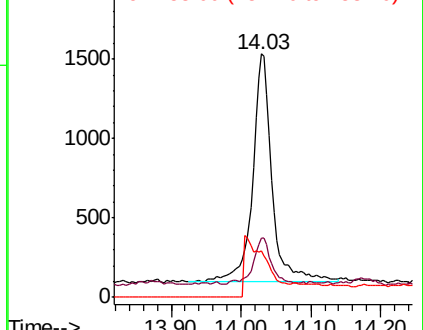
152 100

151 24.4 17.8 26.8

153 18.9 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: 0.055 ng/ul

RT: 14.37 min Scan# 3869

Delta R.T. 0.00 min

Lab File: BM025151.D

Acq: 29 Feb 2020 02:33

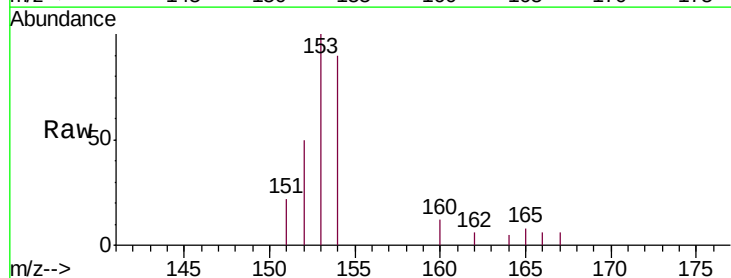
Tgt Ion:153 Resp: 1722

Ion Ratio Lower Upper

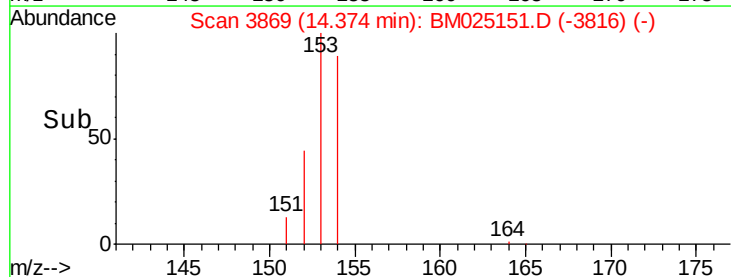
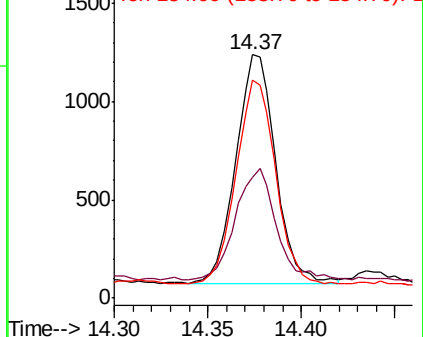
153 100

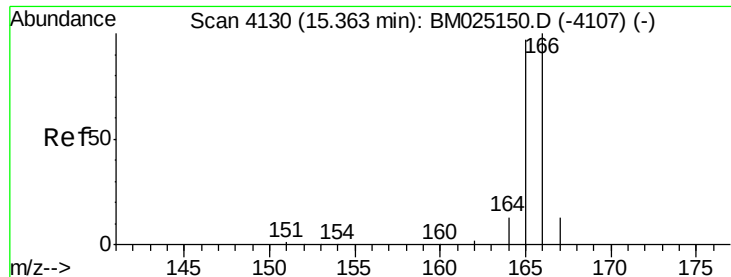
152 49.8 40.0 60.0

154 89.6 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

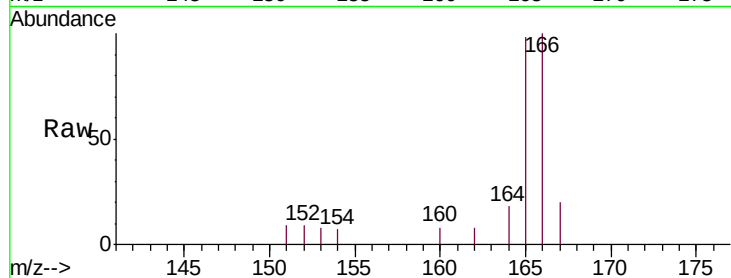




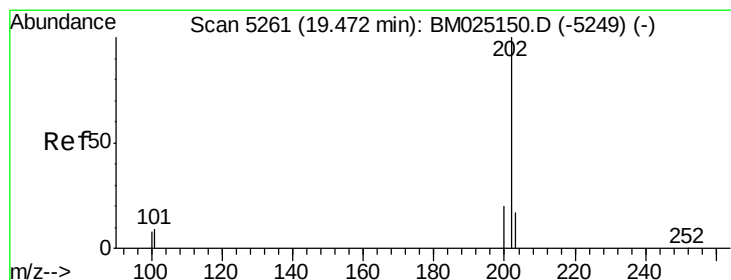
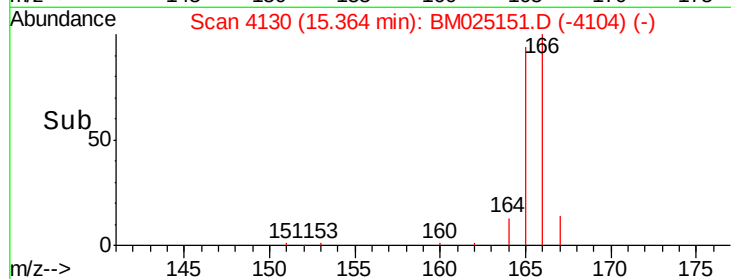
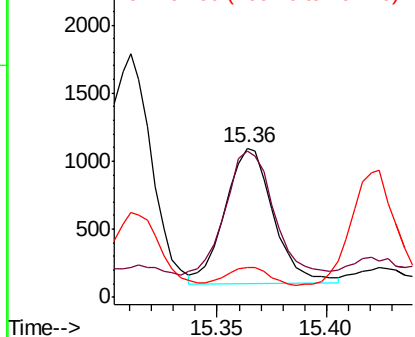
#9
Fluorene
Concen: 0.039 ng/ul
RT: 15.36 min Scan# 4130
Delta R.T. 0.00 min
Lab File: BM025151.D
Acq: 29 Feb 2020 02:33

Instrument :
BNA_M
ClientSampleId :
DBD16

Tgt Ion:166 Resp: 1542
Ion Ratio Lower Upper
166 100
165 98.0 80.0 120.0
167 20.3 13.7 20.5

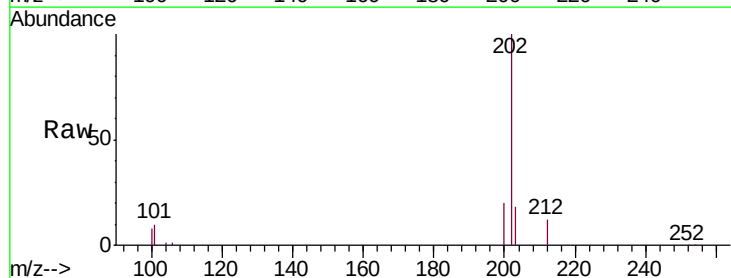


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

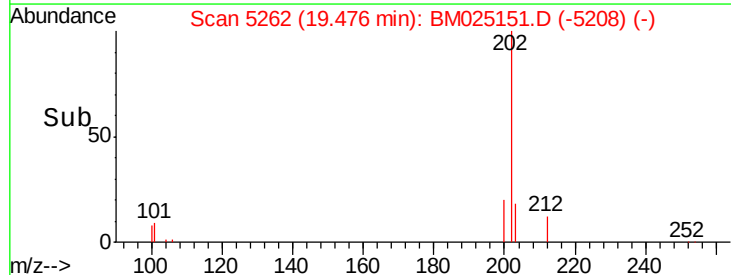
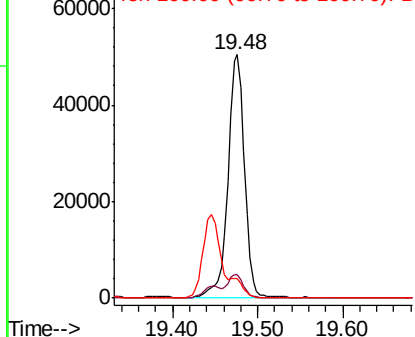


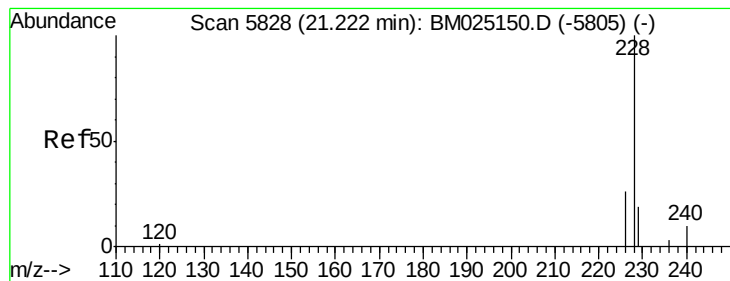
#17
Pyrene
Concen: 0.842 ng/ul
RT: 19.48 min Scan# 5262
Delta R.T. 0.00 min
Lab File: BM025151.D
Acq: 29 Feb 2020 02:33

Tgt Ion:202 Resp: 68049
Ion Ratio Lower Upper
202 100
101 9.6 8.7 13.1
100 7.9 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: 0.198 ng/ul

RT: 21.22 min Scan# 5828

Delta R.T. 0.00 min

Lab File: BM025151.D

Acq: 29 Feb 2020 02:33

Instrument :

BNA_M

ClientSampleId :

DBD16

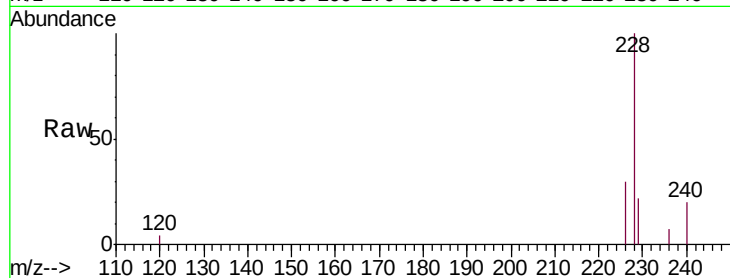
Tgt Ion:228 Resp: 15336

Ion Ratio Lower Upper

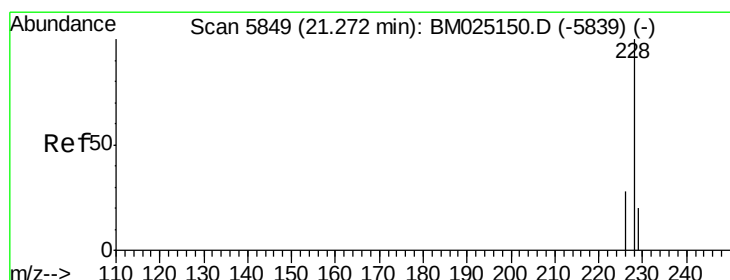
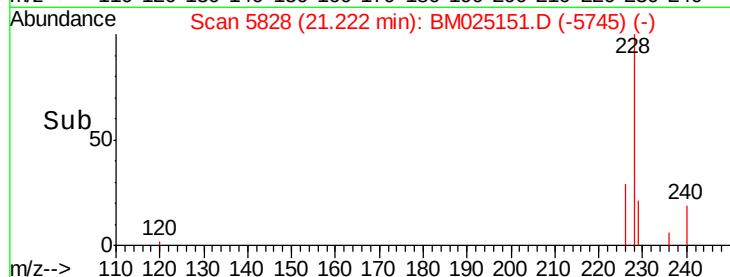
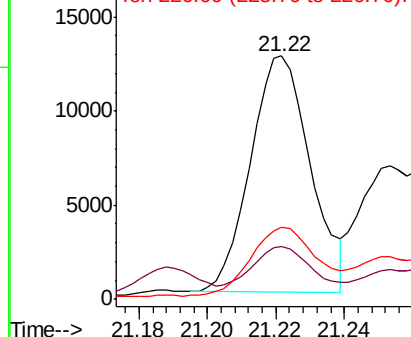
228 100

229 21.8 16.6 25.0

226 29.8 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: 0.143 ng/ul

RT: 21.27 min Scan# 5849

Delta R.T. 0.00 min

Lab File: BM025151.D

Acq: 29 Feb 2020 02:33

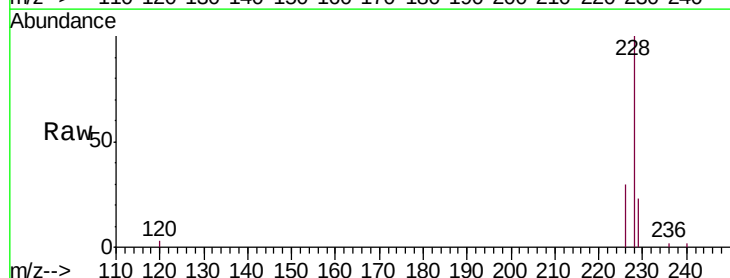
Tgt Ion:228 Resp: 11044

Ion Ratio Lower Upper

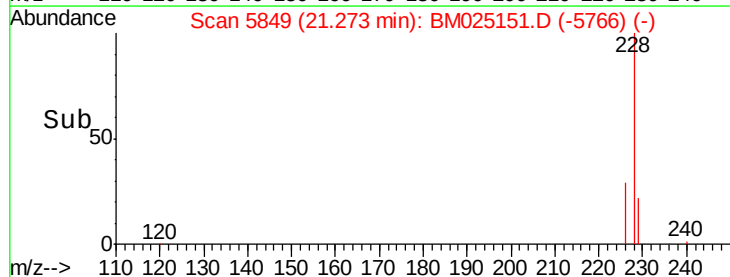
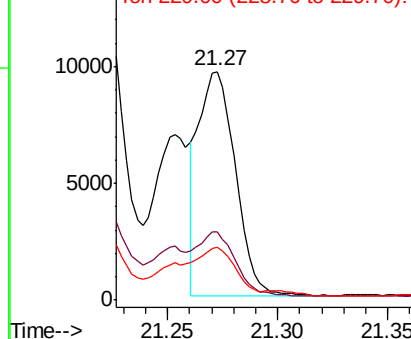
228 100

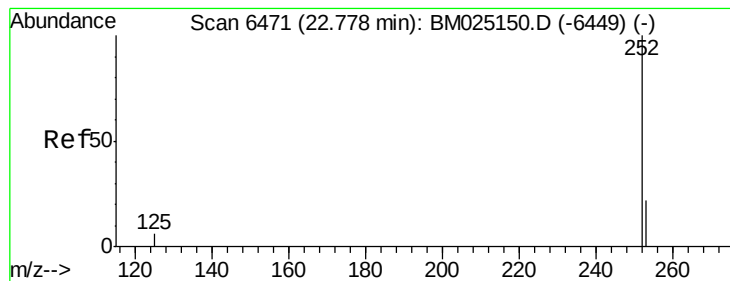
226 29.6 23.8 35.8

229 23.1 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: 0.590 ng/ul

RT: 22.78 min Scan# 6472

Delta R.T. 0.00 min

Lab File: BM025151.D

Acq: 29 Feb 2020 02:33

Instrument :

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ClientSampleId :

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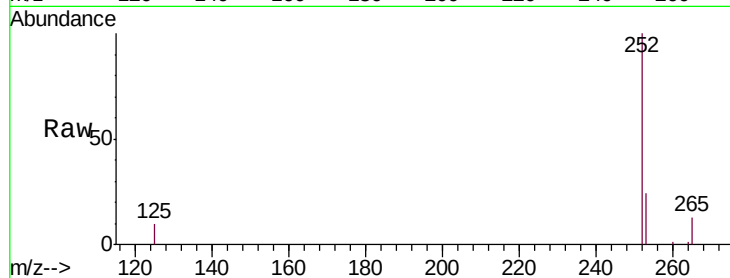
Tgt Ion:252 Resp: 45494

Ion Ratio Lower Upper

252 100

253 24.4 0.0 49.8

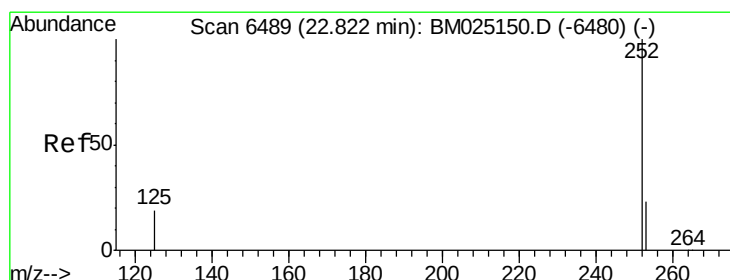
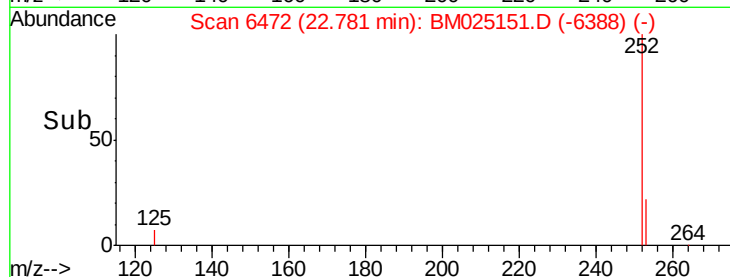
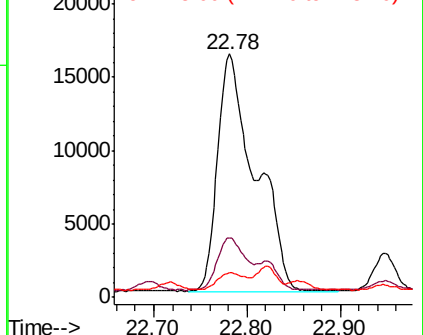
125 10.0 0.0 28.6



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: 0.595 ng/ul

RT: 22.78 min Scan# 6472

Delta R.T. -0.04 min

Lab File: BM025151.D

Acq: 29 Feb 2020 02:33

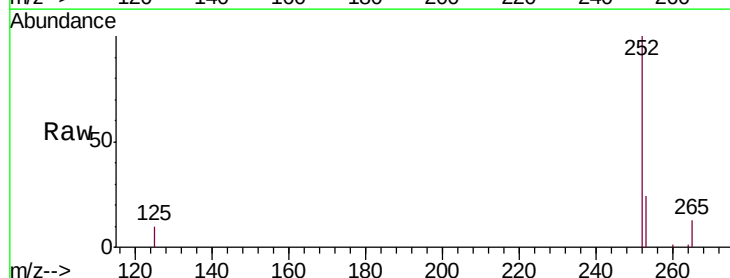
Tgt Ion:252 Resp: 45387

Ion Ratio Lower Upper

252 100

253 24.4 19.4 29.0

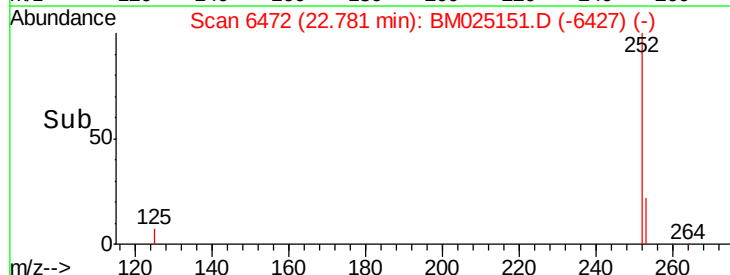
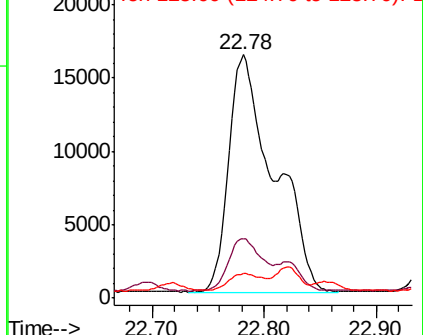
125 10.0 10.7 16.1#

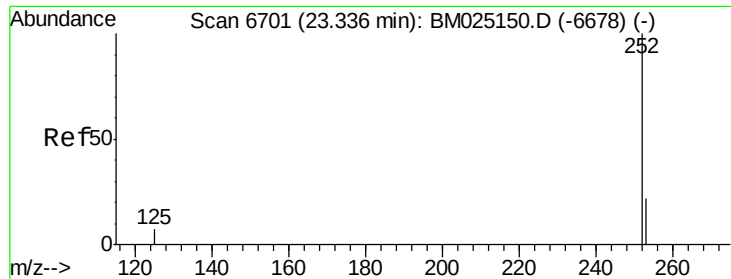


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.171 ng/ul

RT: 23.34 min Scan# 6703

Delta R.T. 0.01 min

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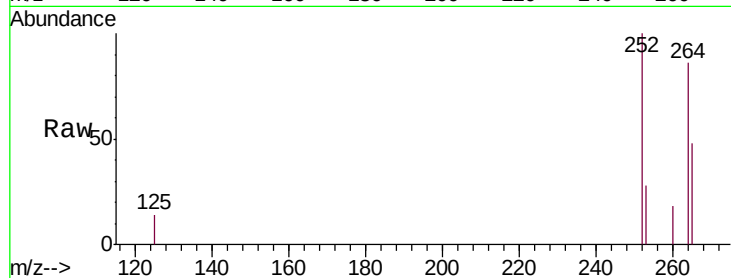
Tgt Ion:252 Resp: 12048

Ion Ratio Lower Upper

252 100

253 27.9 20.3 30.5

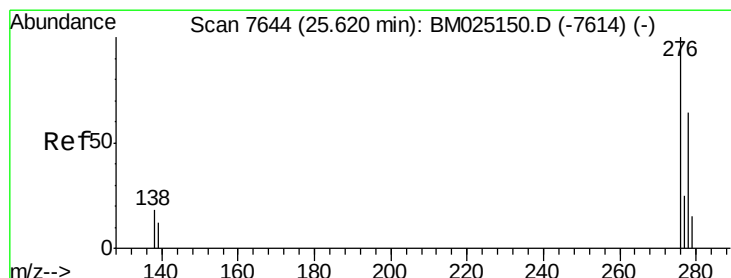
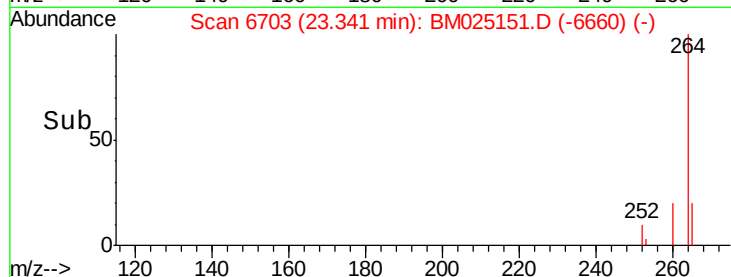
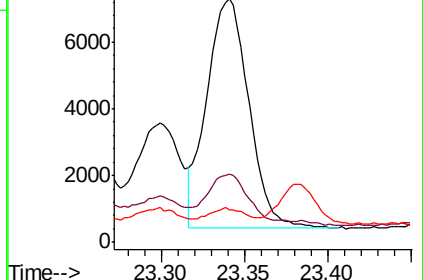
125 13.6 13.0 19.4



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: 0.163 ng/ul

RT: 25.62 min Scan# 7642

Delta R.T. -0.00 min

Lab File: BM025151.D

Acq: 29 Feb 2020 02:33

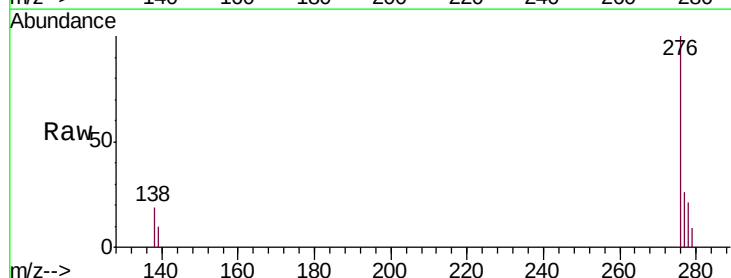
Tgt Ion:276 Resp: 14409

Ion Ratio Lower Upper

276 100

138 16.5 0.0 0.0#

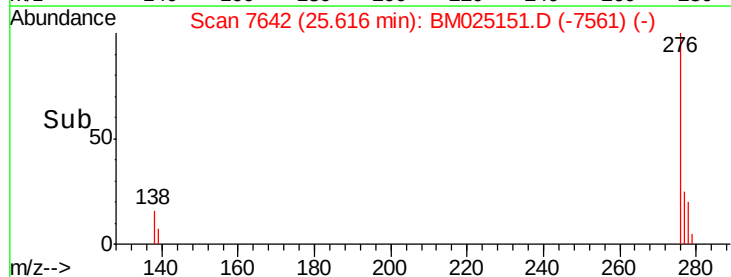
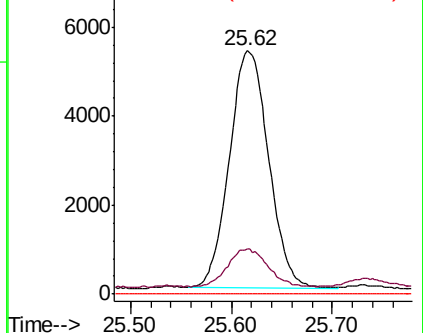
227 0.0 0.0 0.0

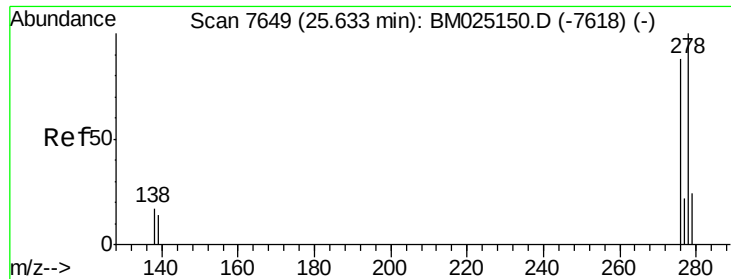


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.050 ng/ul

RT: 25.63 min Scan# 7646

Delta R.T. -0.01 min

Lab File: BM025151.D

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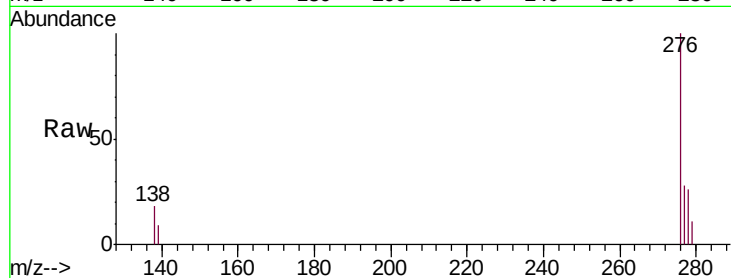
Tgt Ion: 278 Resp: 3725

Ion Ratio Lower Upper

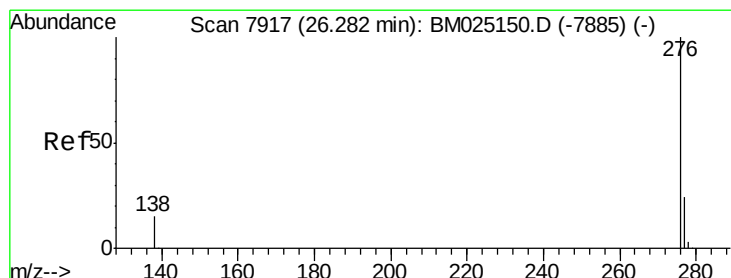
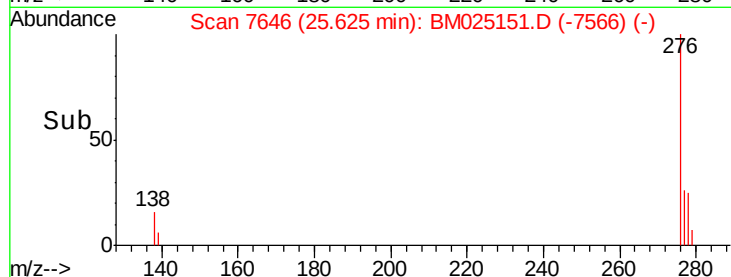
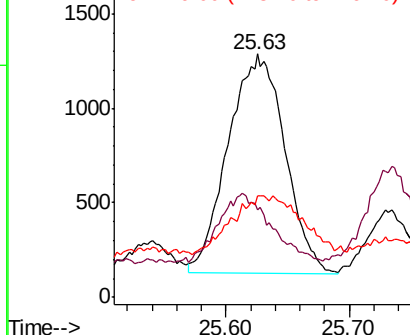
278 100

139 35.7 13.2 19.8#

279 41.6 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: 0.161 ng/ul

RT: 26.28 min Scan# 7916

Delta R.T. -0.00 min

Lab File: BM025151.D

Acq: 29 Feb 2020 02:33

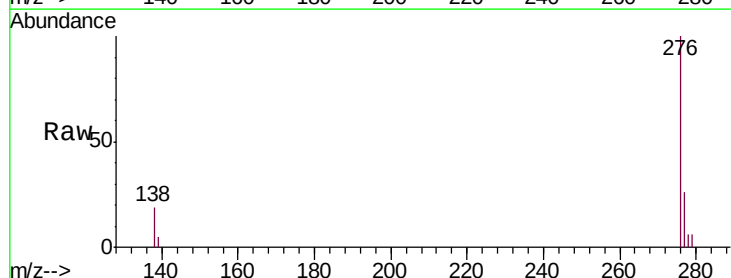
Tgt Ion: 276 Resp: 11946

Ion Ratio Lower Upper

276 100

138 18.8 17.9 26.9

277 26.1 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

