

Data File : BM021939.D
Acq On : 08 Aug 2019 18:43
Operator : HP/JU
Sample : K4029-18
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENT7

Quant Time: Aug 09 01:32:41 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 09 01:29:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	920	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	3906	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.27	164	2124	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.13	188	232590	0.40	ng/ul	0.08
16) Chrysene-d12	21.28	240	92	0.40	ng/ul	0.04
20) Perylene-d12	23.45	264	7493	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	1105	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.16	212	78	0.00	ng/ul	0.08

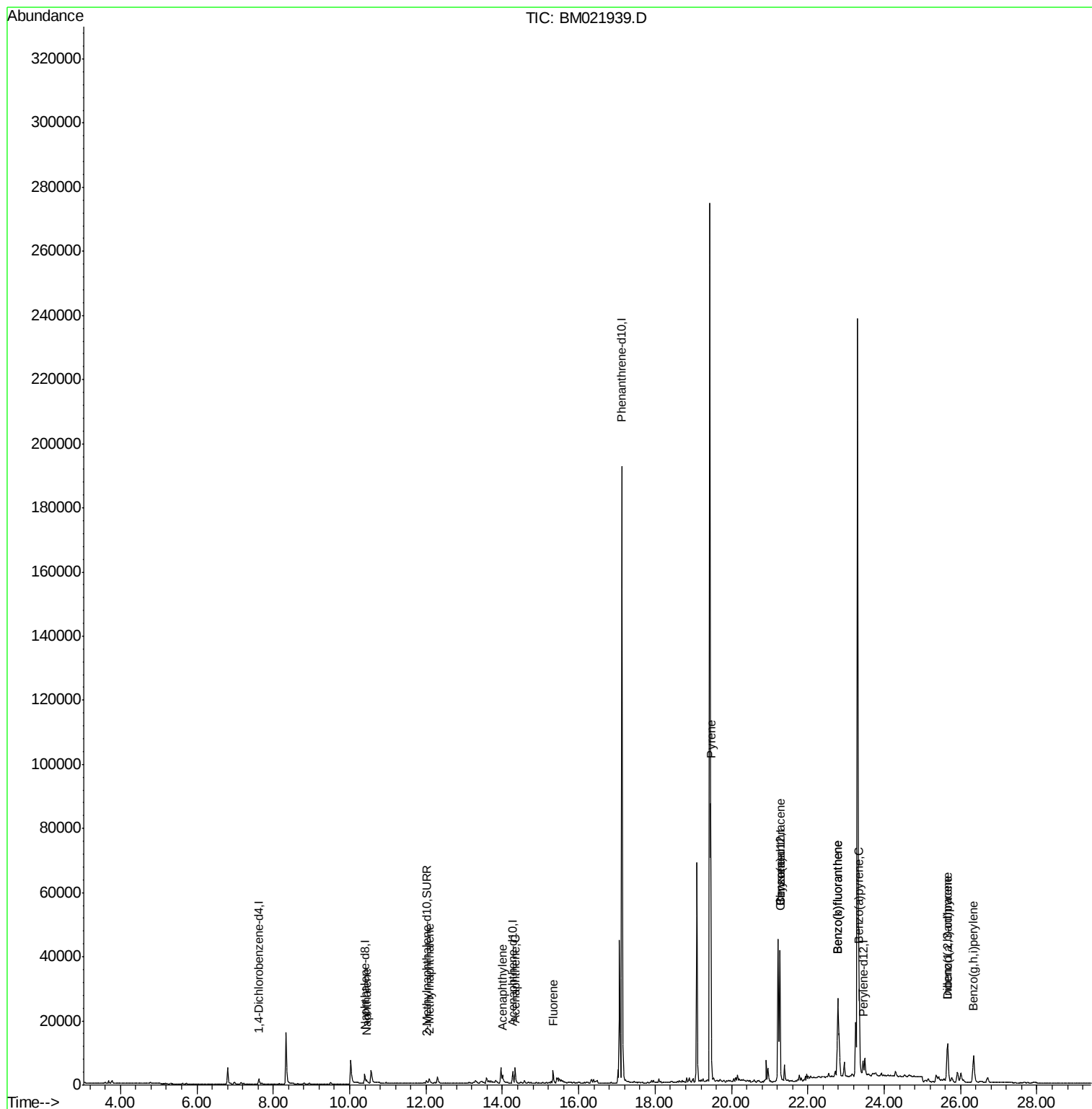
Target Compounds				Qvalue		
3) Naphthalene	10.45	128	1368	0.124	ng/ul	95
5) 2-Methylnaphthalene	12.09	142	1177	0.160	ng/ul	98
7) Acenaphthylene	14.00	152	1959	0.198	ng/ul#	84
8) Acenaphthene	14.33	153	2910	0.359	ng/ul	97
9) Fluorene	15.33	166	2496	0.277	ng/ul	98
17) Pyrene	19.46	202	72410	191.533	ng/ul	98
18) Benzo(a)anthracene	21.27	228	42523	129.219	ng/ul	96
19) Chrysene	21.27	228	42685	100.858	ng/ul	99
21) Benzo(b)fluoranthene	22.78	252	57705	2.284	ng/ul	84
22) Benzo(k)fluoranthene	22.78	252	57770	2.020	ng/ul#	85
23) Benzo(a)pyrene	23.35	252	32607	1.269	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	25.66	276	19549	0.637	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.66	278	5794	0.234	ng/ul	97
26) Benzo(g,h,i)perylene	26.34	276	17070	0.618	ng/ul	98

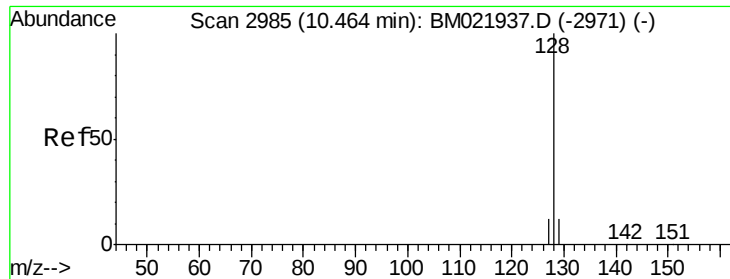
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.124 ng/ul

RT: 10.45 min Scan# 2981

Delta R.T. -0.02 min

Lab File: BM021939.D

Acq: 08 Aug 2019 18:43

Instrument :

BNA_M

ClientSampleId :

BENT7

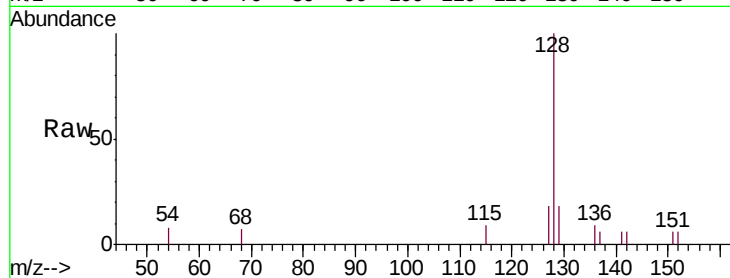
Tgt Ion:128 Resp: 1368

Ion Ratio Lower Upper

128 100

129 17.7 12.3 18.5

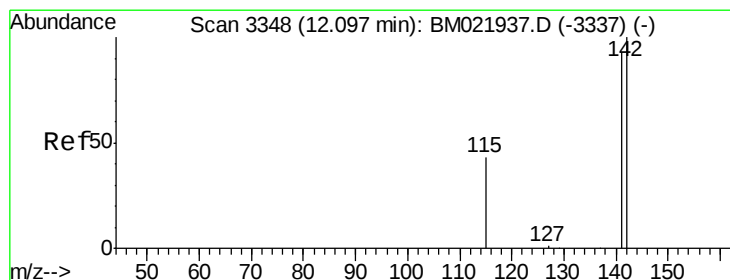
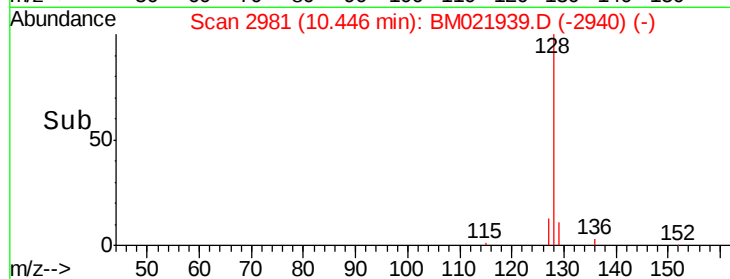
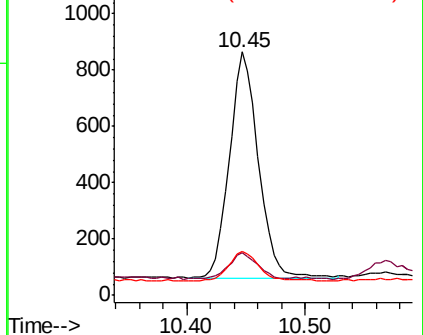
127 18.0 13.0 19.6



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: 0.160 ng/ul

RT: 12.09 min Scan# 3346

Delta R.T. -0.01 min

Lab File: BM021939.D

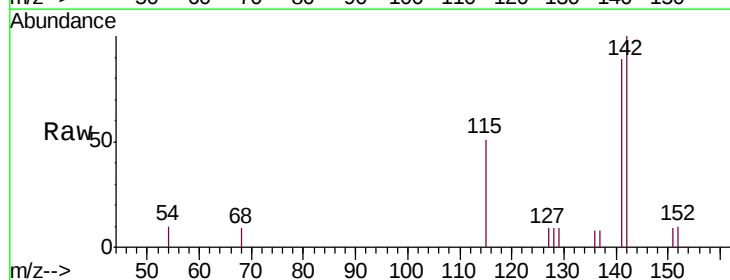
Acq: 08 Aug 2019 18:43

Tgt Ion:142 Resp: 1177

Ion Ratio Lower Upper

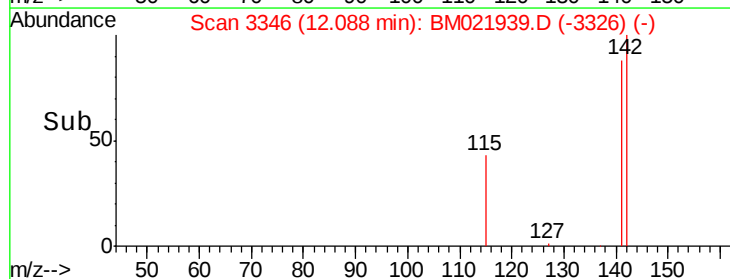
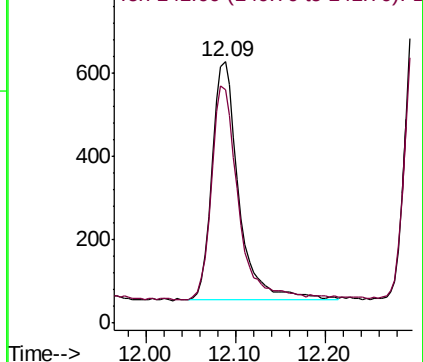
142 100

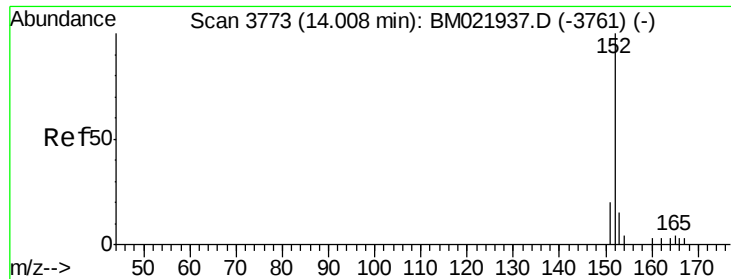
141 90.7 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.198 ng/ul

RT: 14.00 min Scan# 3770

Delta R.T. -0.01 min

Lab File: BM021939.D

Acq: 08 Aug 2019 18:43

Instrument :

BNA_M

ClientSampleId :

BENT7

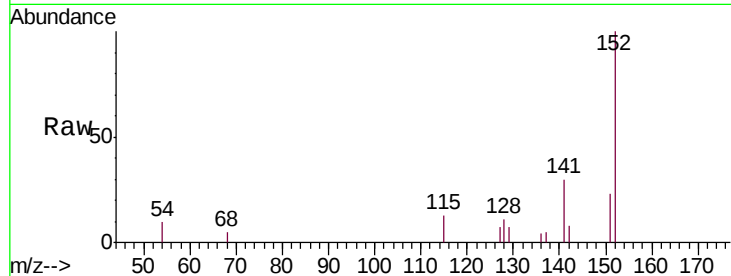
Tgt Ion:152 Resp: 1959

Ion Ratio Lower Upper

152 100

151 23.1 18.3 27.5

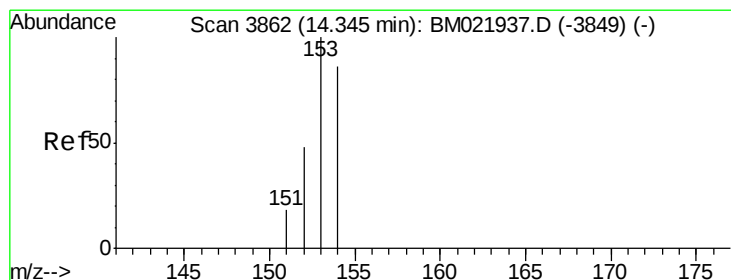
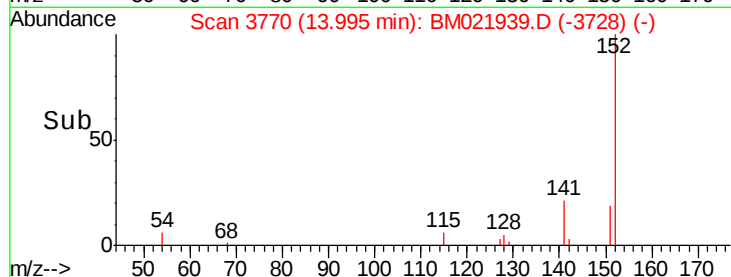
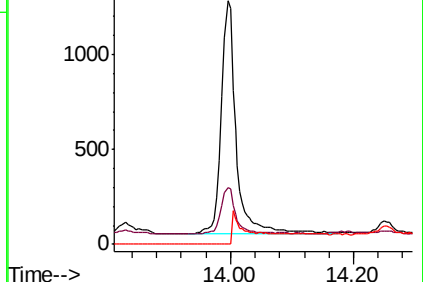
153 0.0 12.8 19.2#



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: 0.359 ng/ul

RT: 14.33 min Scan# 3859

Delta R.T. -0.01 min

Lab File: BM021939.D

Acq: 08 Aug 2019 18:43

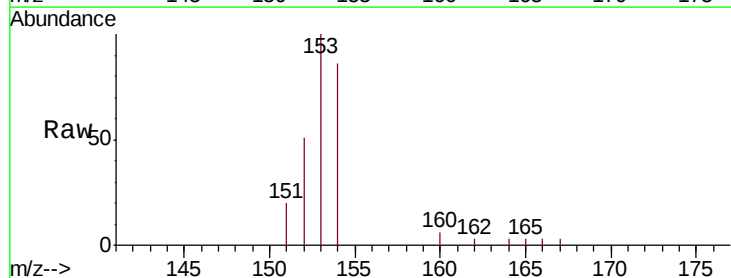
Tgt Ion:153 Resp: 2910

Ion Ratio Lower Upper

153 100

152 51.3 41.3 61.9

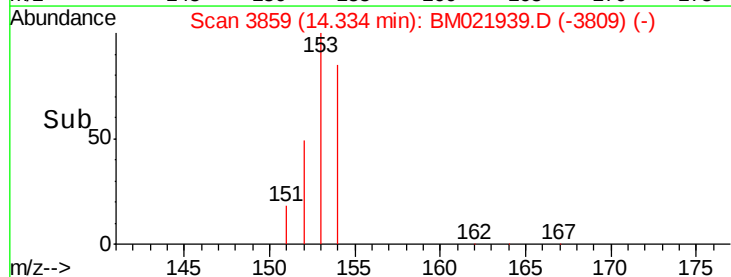
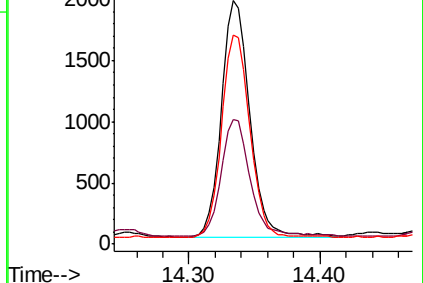
154 85.6 72.3 108.5

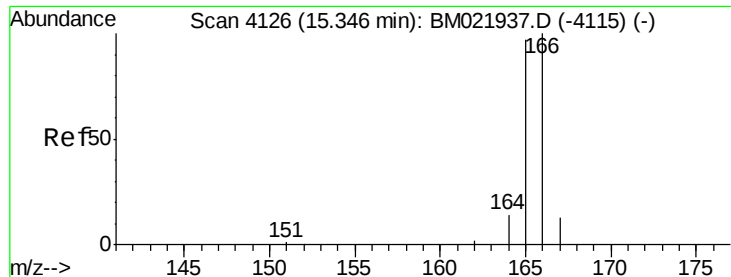


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.277 ng/ul

RT: 15.33 min Scan# 4122

Delta R.T. -0.01 min

Lab File: BM021939.D

Acq: 08 Aug 2019 18:43

Instrument :

BNA_M

ClientSampleId :

BENT7

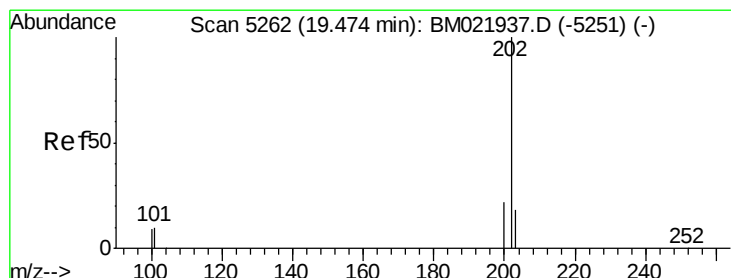
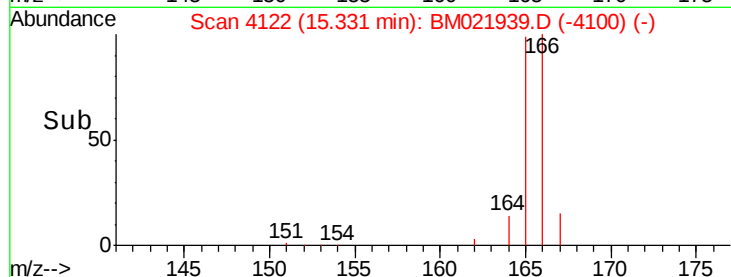
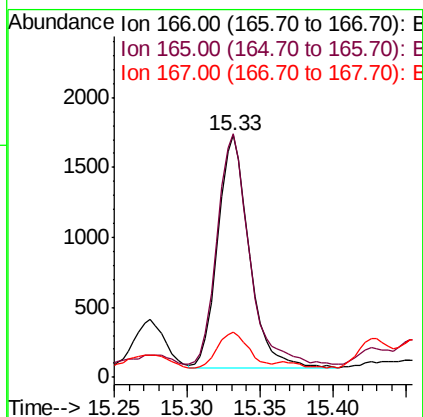
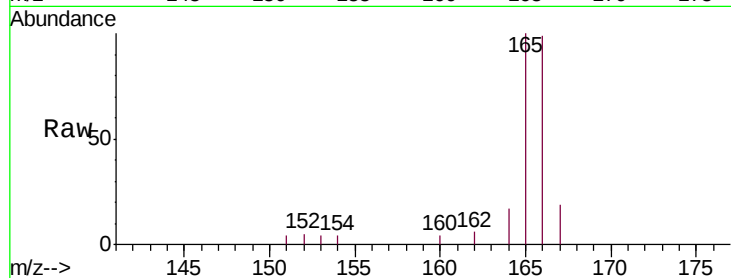
Tgt Ion:166 Resp: 2496

Ion Ratio Lower Upper

166 100

165 100.5 81.4 122.0

167 18.7 13.7 20.5



#17

Pyrene

Concen: 191.533 ng/ul

RT: 19.46 min Scan# 5258

Delta R.T. -0.02 min

Lab File: BM021939.D

Acq: 08 Aug 2019 18:43

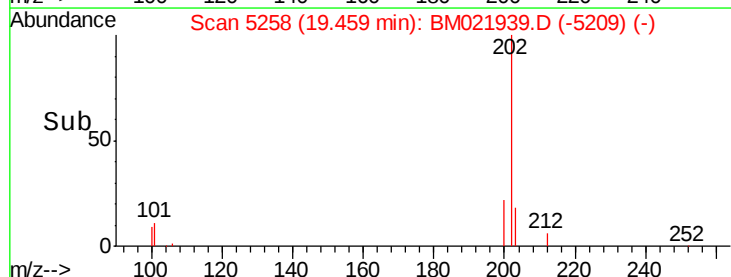
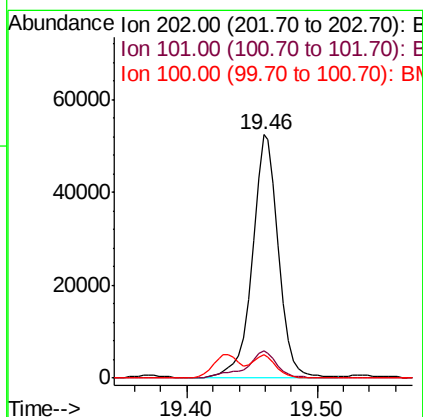
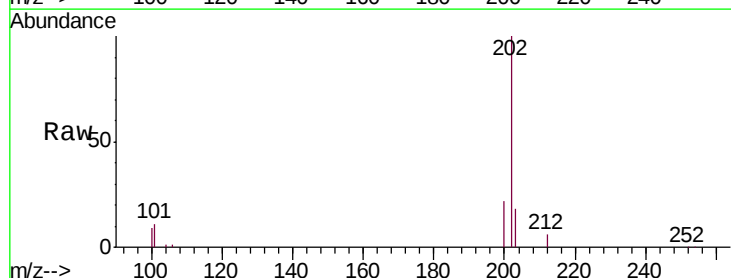
Tgt Ion:202 Resp: 72410

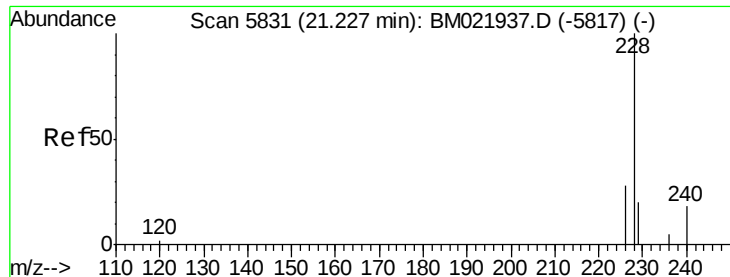
Ion Ratio Lower Upper

202 100

101 11.3 8.3 12.5

100 9.4 7.2 10.8





#18

Benzo(a)anthracene

Concen: 129.219 ng/ul

RT: 21.27 min Scan# 5848

Delta R.T. 0.04 min

Lab File: BM021939.D

Acq: 08 Aug 2019 18:43

Instrument :

BNA_M

ClientSampleId :

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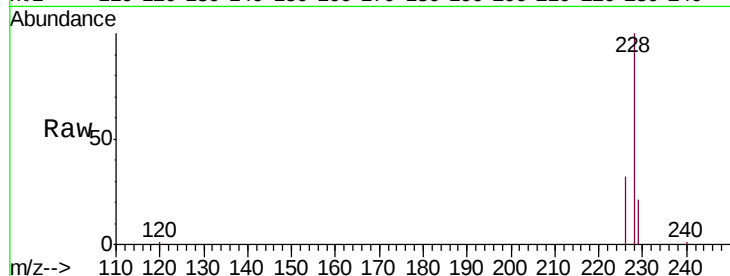
Tgt Ion:228 Resp: 42523

Ion Ratio Lower Upper

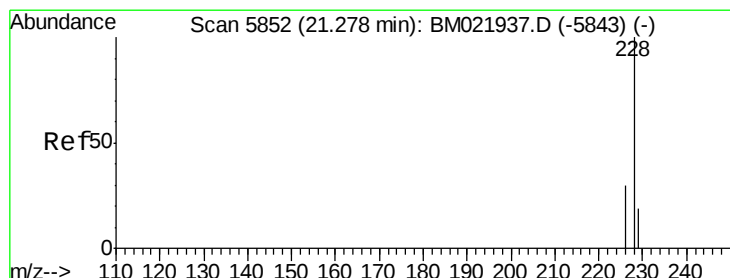
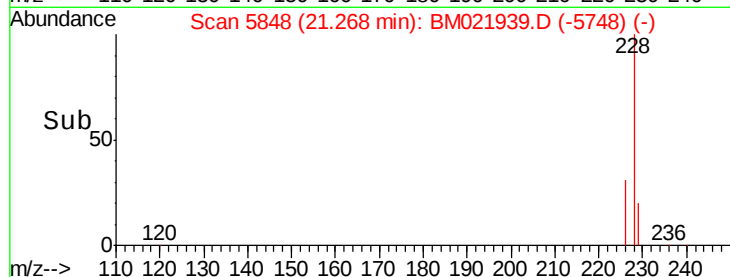
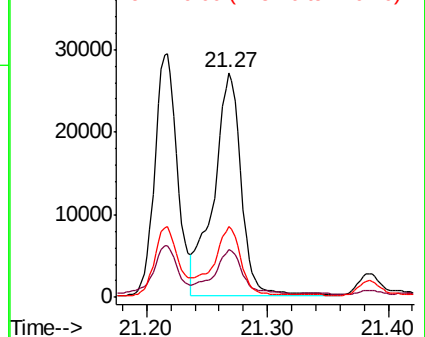
228 100

229 21.2 17.2 25.8

226 31.7 22.6 34.0



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: 100.858 ng/ul

RT: 21.27 min Scan# 5848

Delta R.T. -0.01 min

Lab File: BM021939.D

Acq: 08 Aug 2019 18:43

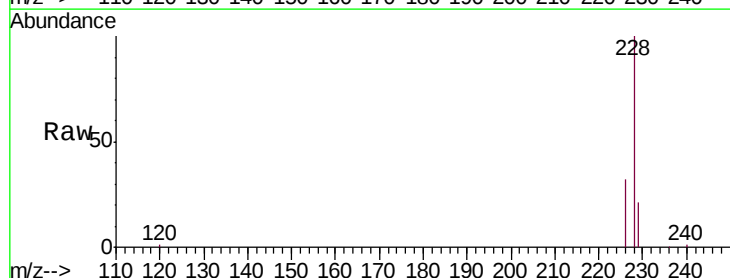
Tgt Ion:228 Resp: 42685

Ion Ratio Lower Upper

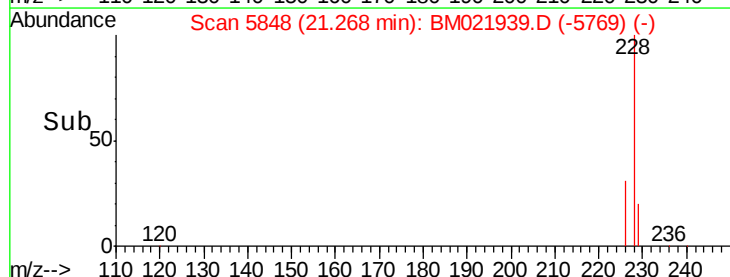
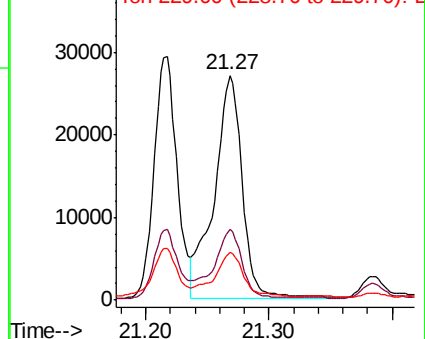
228 100

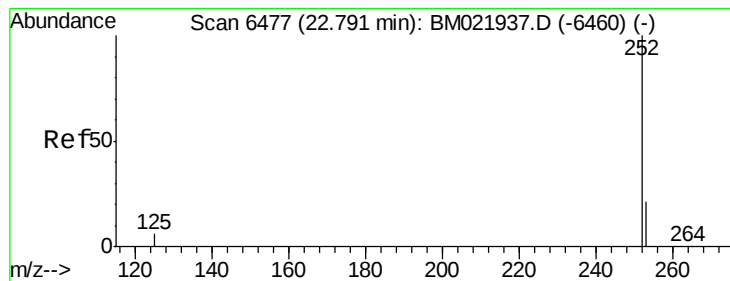
226 31.7 24.9 37.3

229 21.2 16.6 25.0



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: 2.284 ng/ul

RT: 22.78 min Scan# 6473

Delta R.T. -0.01 min

Lab File: BM021939.D

Acq: 08 Aug 2019 18:43

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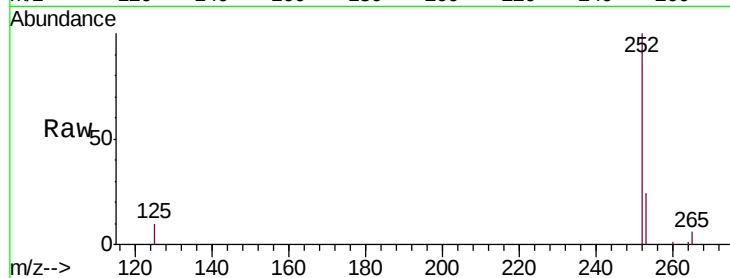
Tgt Ion:252 Resp: 57705

Ion Ratio Lower Upper

252 100

253 24.0 0.0 67.4

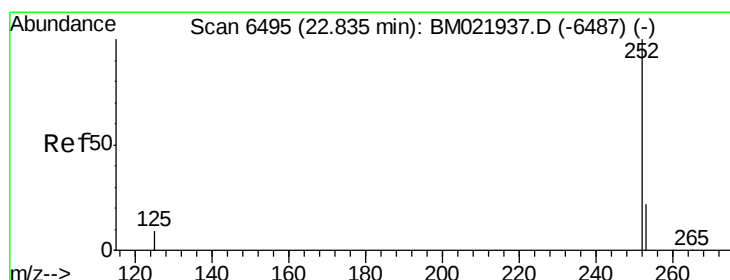
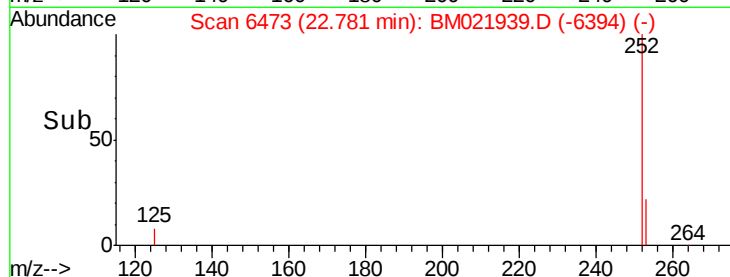
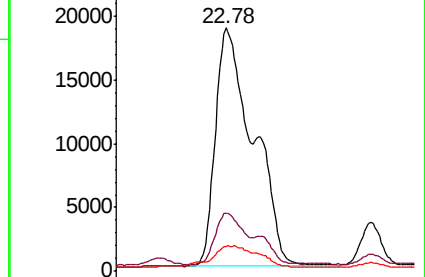
125 10.1 0.0 31.0



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: 2.020 ng/ul

RT: 22.78 min Scan# 6473

Delta R.T. -0.05 min

Lab File: BM021939.D

Acq: 08 Aug 2019 18:43

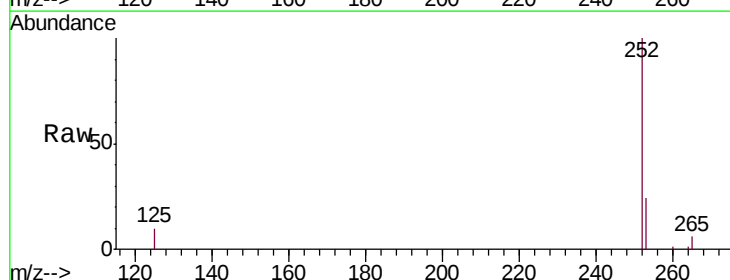
Tgt Ion:252 Resp: 57770

Ion Ratio Lower Upper

252 100

253 24.0 27.0 40.4#

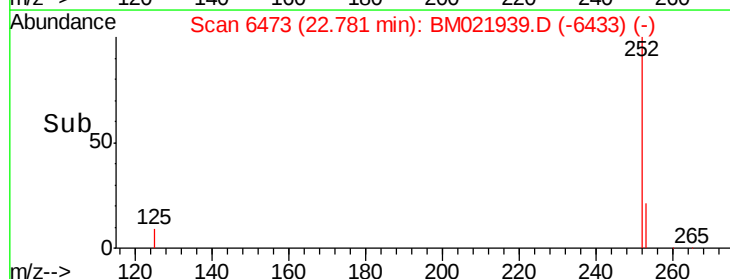
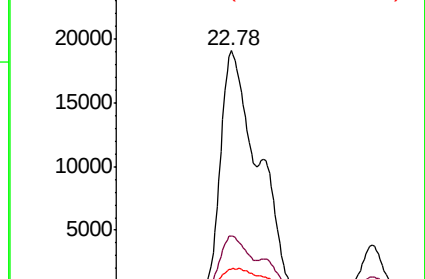
125 10.1 12.2 18.2#

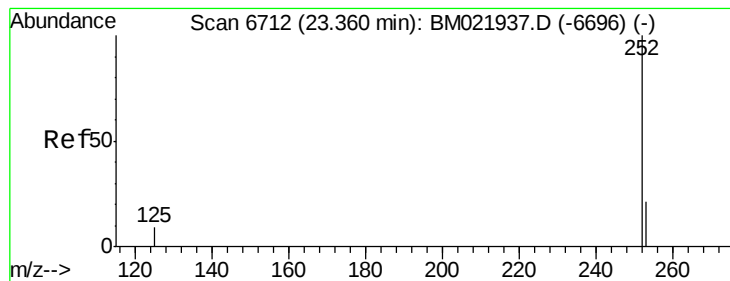


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.269 ng/ul

RT: 23.35 min Scan# 6707

Delta R.T. -0.01 min

Lab File: BM021939.D

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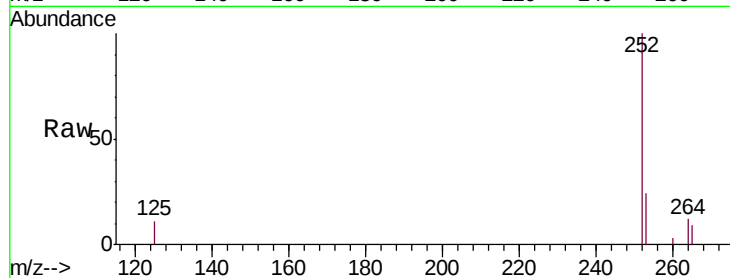
Tgt Ion:252 Resp: 32607

Ion Ratio Lower Upper

252 100

253 24.1 31.7 47.5#

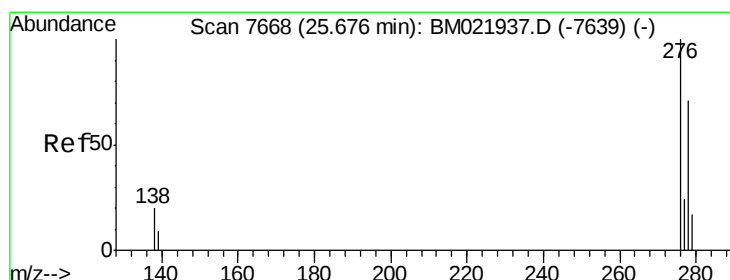
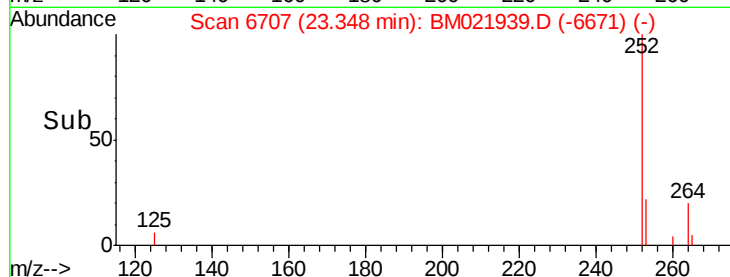
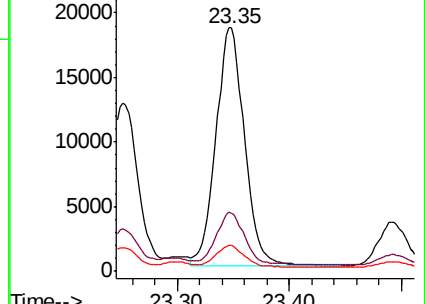
125 10.5 14.6 21.8#



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: 0.637 ng/ul

RT: 25.66 min Scan# 7661

Delta R.T. -0.02 min

Lab File: BM021939.D

Acq: 08 Aug 2019 18:43

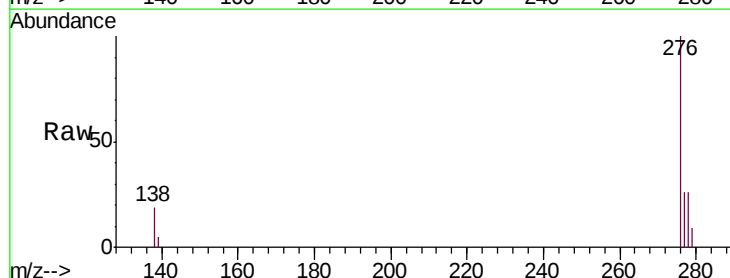
Tgt Ion:276 Resp: 19549

Ion Ratio Lower Upper

276 100

138 17.8 15.1 22.7

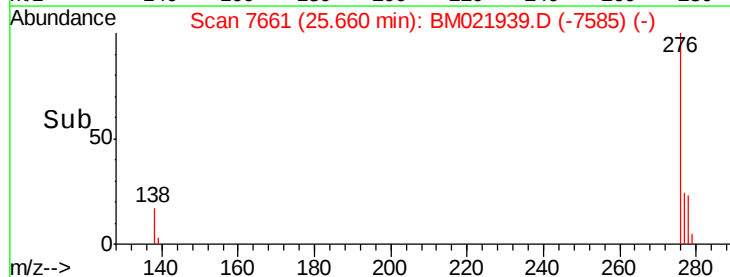
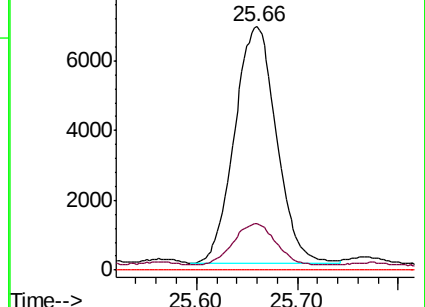
227 0.0 0.0 0.0

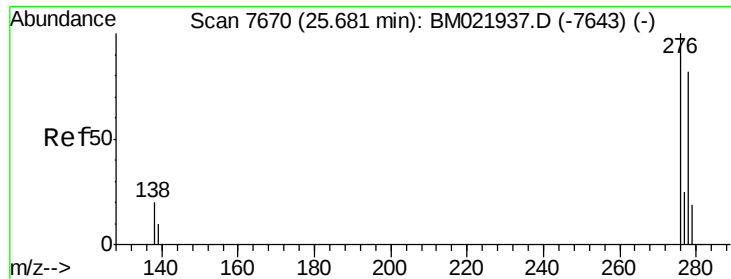


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.234 ng/u1

RT: 25.66 min Scan# 7663

Delta R.T. -0.02 min

Lab File: BM021939.D

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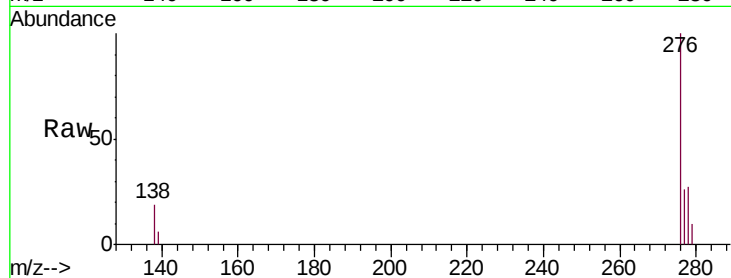
Tgt Ion:278 Resp: 5794

Ion Ratio Lower Upper

278 100

139 21.0 14.2 21.2

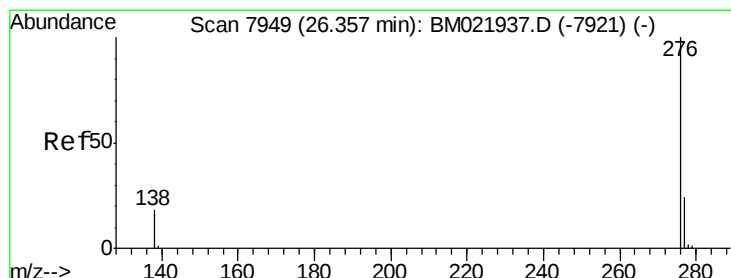
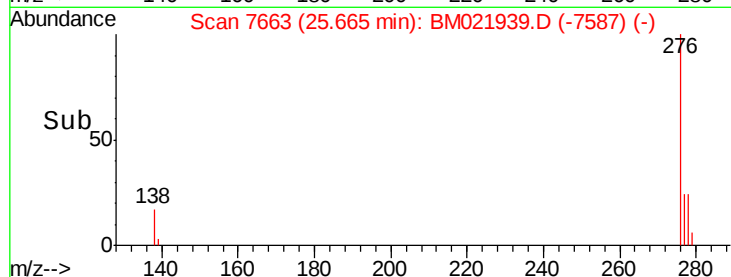
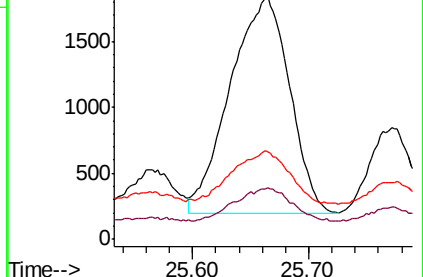
279 35.8 28.3 42.5



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: 0.618 ng/u1

RT: 26.34 min Scan# 7942

Delta R.T. -0.02 min

Lab File: BM021939.D

Acq: 08 Aug 2019 18:43

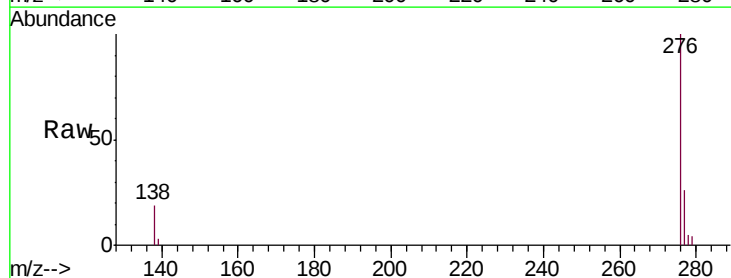
Tgt Ion:276 Resp: 17070

Ion Ratio Lower Upper

276 100

138 18.9 15.5 23.3

277 25.5 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

