

Data File : BN003837.D
Acq On : 12 Dec 2018 04:22
Operator : JU/SJ
Sample : J6171-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F9Y09

Quant Time: Dec 12 07:22:57 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 03:46:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	5472	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	21709	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	14259	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.31	188	644883	0.40	ng/ul	0.10
16) Chrysene-d12	21.51	240	990	0.40	ng/ul	0.11
20) Perylene-d12	23.86	264	136	0.40	ng/ul	0.16

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	9947	0.30	ng/ul	0.00
14) Fluoranthene-d10	19.34	212	4168	0.00	ng/ul	0.10

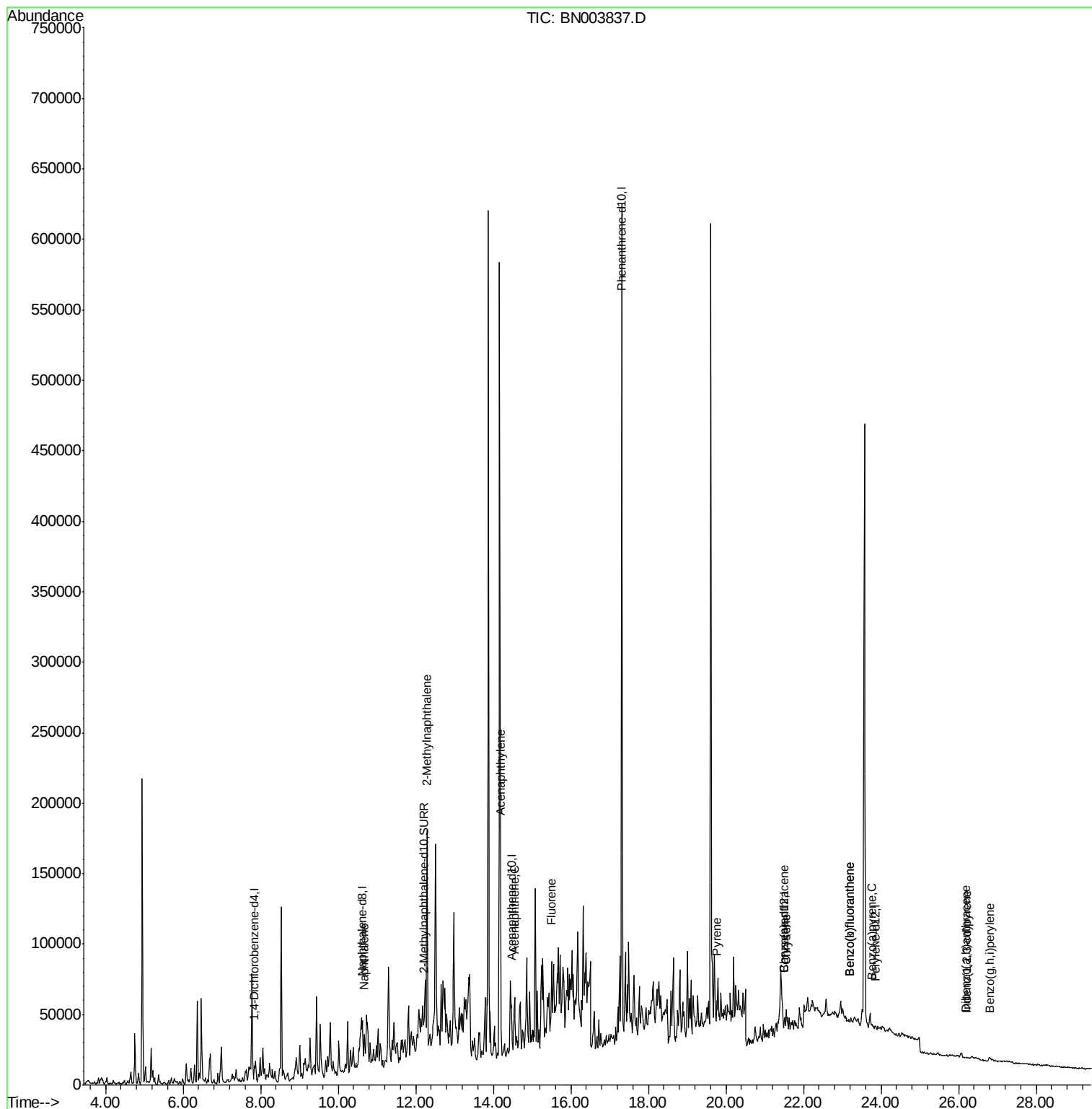
Target Compounds					Qvalue	
3) Naphthalene	10.68	128	14961	0.245	ng/ul#	33
5) 2-Methylnaphthalene	12.29	142	102827	2.415	ng/ul	100
7) Acenaphthylene	14.19	152	11939	0.186	ng/ul#	1
8) Acenaphthene	14.54	153	22459	0.399	ng/ul#	80
9) Fluorene	15.52	166	18118	0.276	ng/ul#	57
17) Pyrene	19.75	202	3585	1.010	ng/ul#	20
18) Benzo(a)anthracene	21.50	228	1805	0.577	ng/ul#	1
19) Chrysene	21.55	228	5759	1.609	ng/ul#	1
21) Benzo(b)fluoranthene	23.19	252	572	1.017	ng/ul#	1
22) Benzo(k)fluoranthene	23.19	252	572	1.044	ng/ul#	1
23) Benzo(a)pyrene	23.76	252	1788	3.670	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	26.21	276	114	0.204	ng/ul#	1
25) Dibenzo(a,h)anthracene	26.19	278	501	1.114	ng/ul#	1
26) Benzo(g,h,i)perylene	26.79	276	6185	12.738	ng/ul#	1

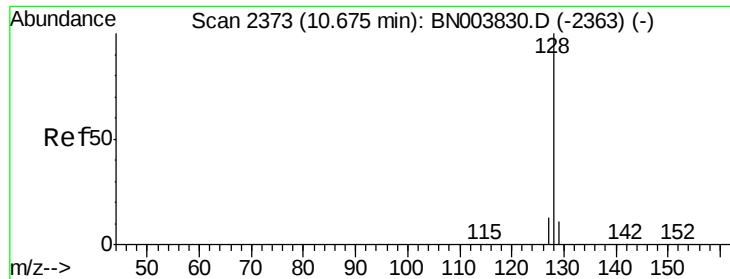
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.245 ng/ul

RT: 10.68 min Scan# 2373

Delta R.T. 0.00 min

Lab File: BN003837.D

Acq: 12 Dec 2018 04:22

Instrument :

BNA_N

ClientSampleId :

F9Y09

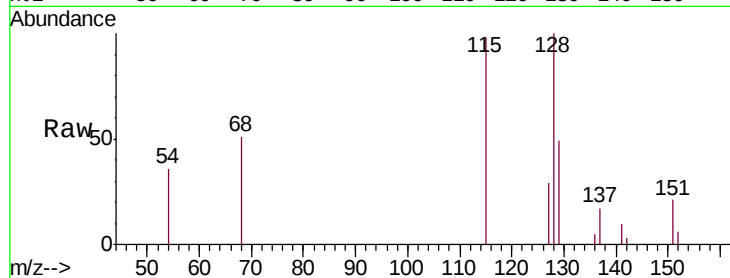
Tgt Ion:128 Resp: 14961

Ion Ratio Lower Upper

128 100

129 48.6 9.0 13.6#

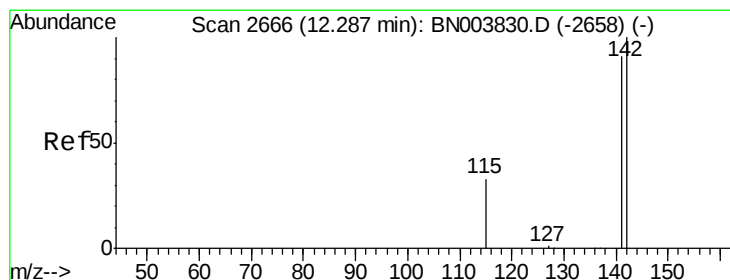
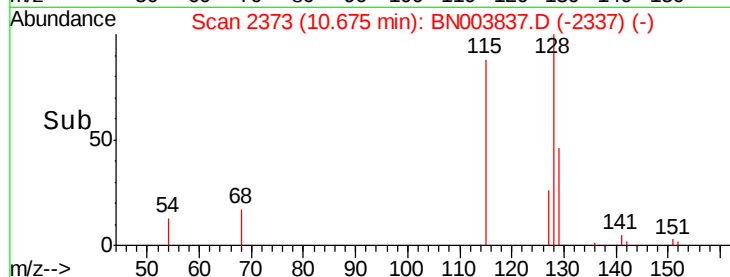
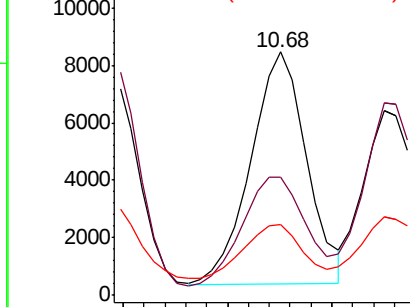
127 29.1 10.5 15.7#



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: 2.415 ng/ul

RT: 12.29 min Scan# 2666

Delta R.T. 0.00 min

Lab File: BN003837.D

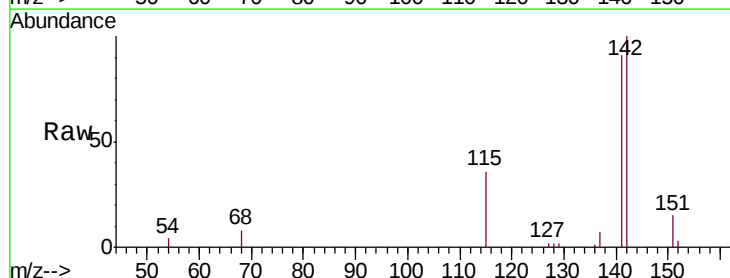
Acq: 12 Dec 2018 04:22

Tgt Ion:142 Resp: 102827

Ion Ratio Lower Upper

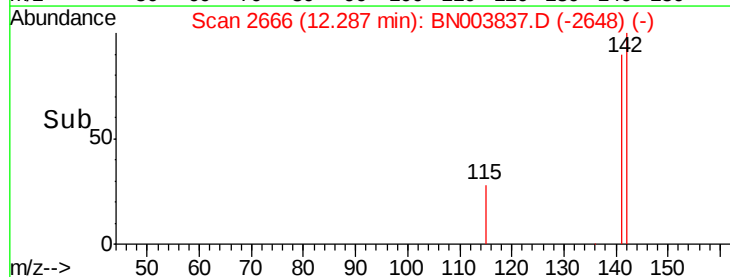
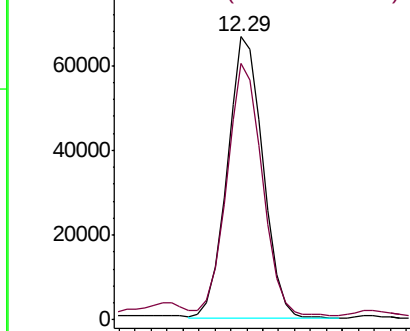
142 100

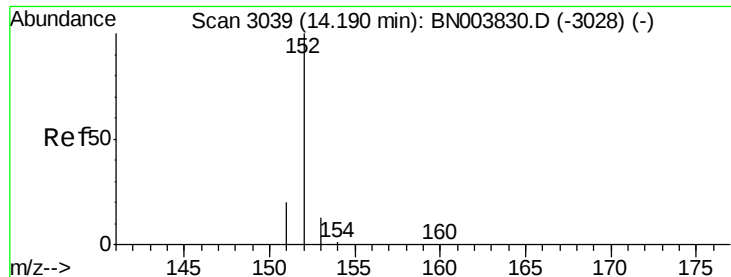
141 89.3 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.186 ng/ul

RT: 14.19 min Scan# 3039

Delta R.T. 0.00 min

Lab File: BN003837.D

Acq: 12 Dec 2018 04:22

Instrument :

BNA_N

ClientSampleId :

F9Y09

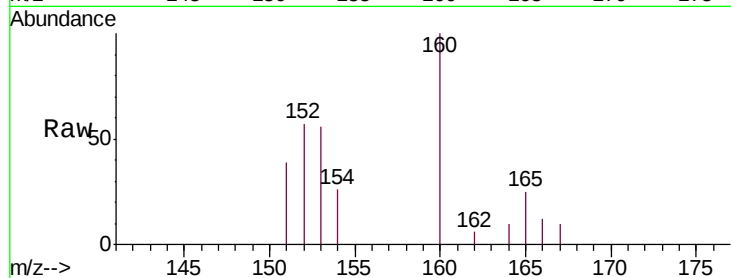
Tgt Ion:152 Resp: 11939

Ion Ratio Lower Upper

152 100

151 68.3 15.9 23.9#

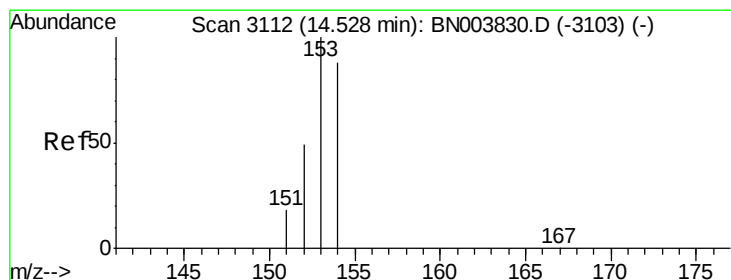
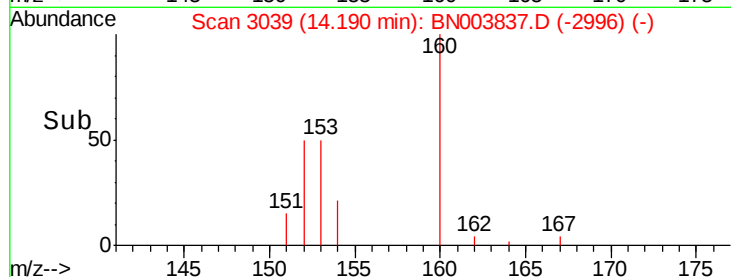
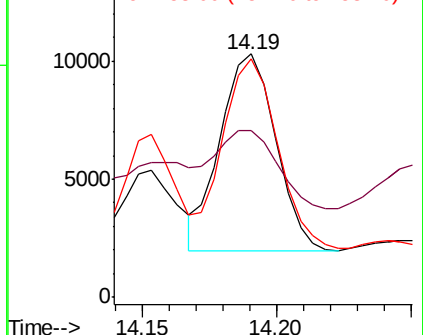
153 97.7 10.7 16.1#



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: 0.399 ng/ul

RT: 14.54 min Scan# 3114

Delta R.T. 0.01 min

Lab File: BN003837.D

Acq: 12 Dec 2018 04:22

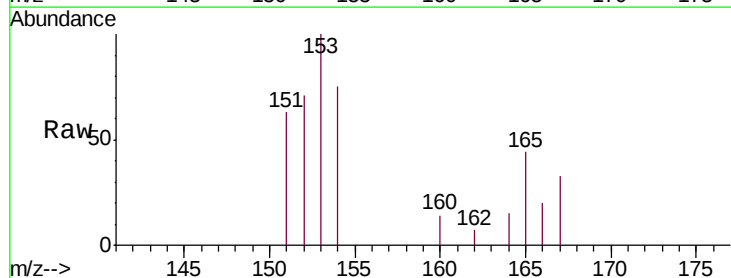
Tgt Ion:153 Resp: 22459

Ion Ratio Lower Upper

153 100

152 70.8 39.3 58.9#

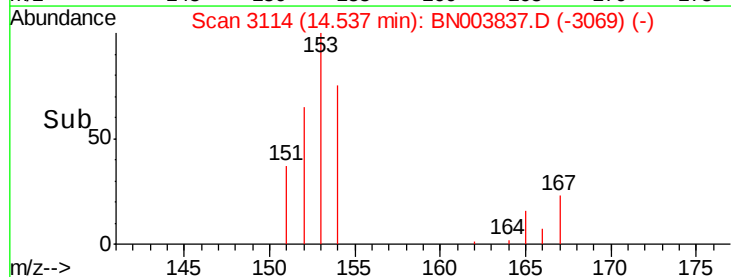
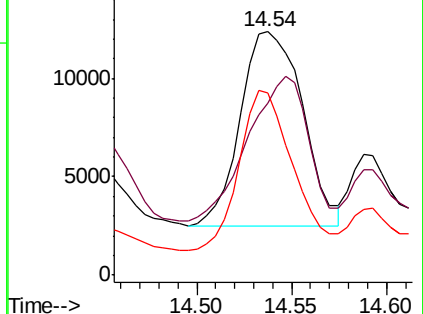
154 74.9 70.3 105.5

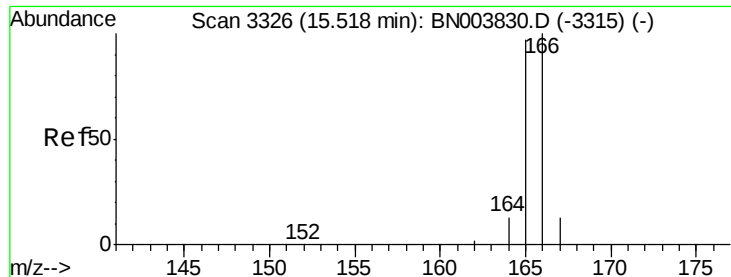


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.276 ng/ul

RT: 15.52 min Scan# 3326

Delta R.T. 0.00 min

Lab File: BN003837.D

Acq: 12 Dec 2018 04:22

Instrument :

BNA_N

ClientSampleId :

F9Y09

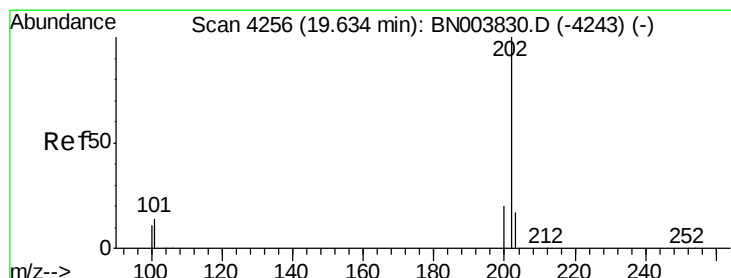
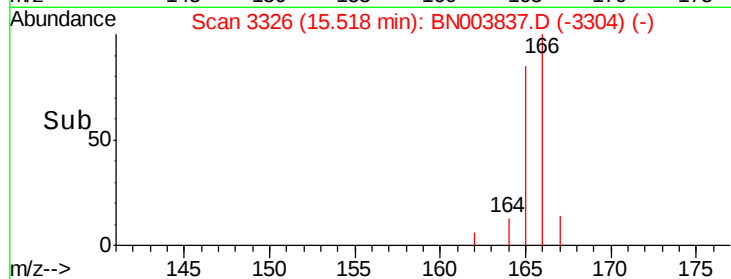
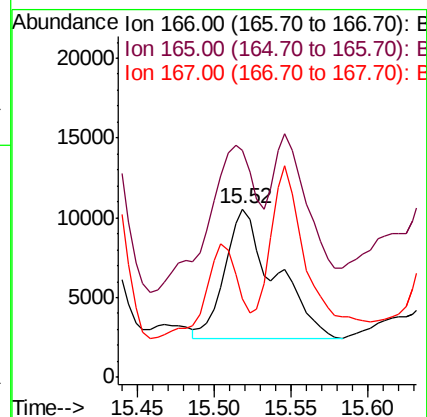
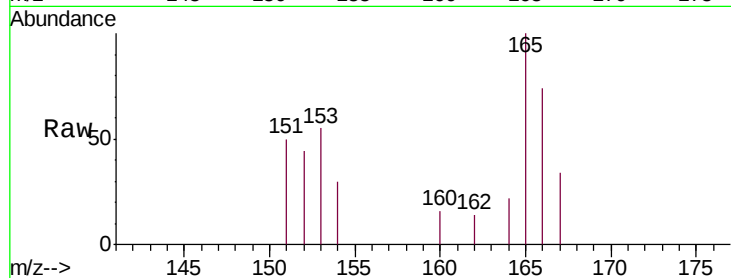
Tgt Ion:166 Resp: 18118

Ion Ratio Lower Upper

166 100

165 135.0 78.3 117.5#

167 46.5 11.3 16.9#



#17

Pyrene

Concen: 1.010 ng/ul

RT: 19.75 min Scan# 4282

Delta R.T. 0.12 min

Lab File: BN003837.D

Acq: 12 Dec 2018 04:22

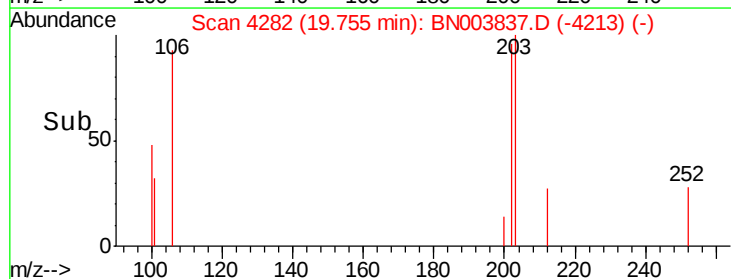
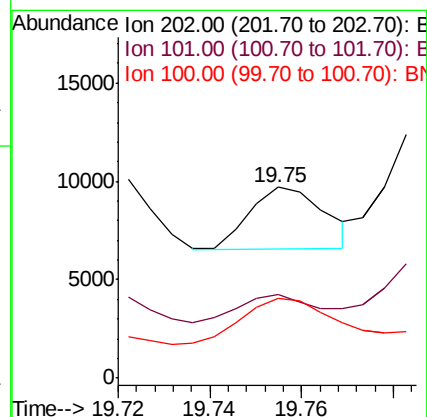
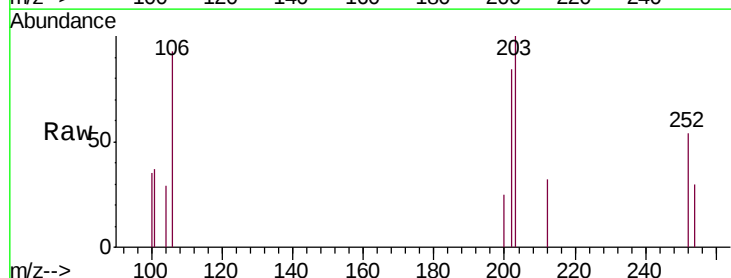
Tgt Ion:202 Resp: 3585

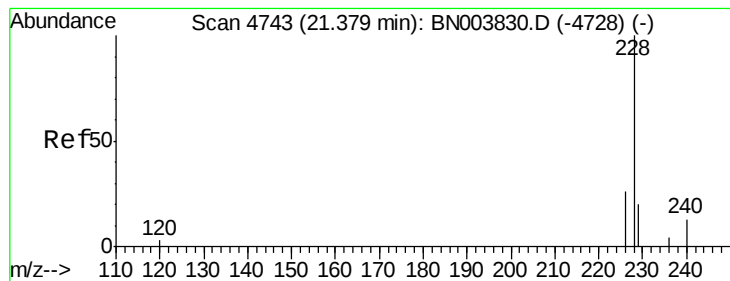
Ion Ratio Lower Upper

202 100

101 43.5 10.3 15.5#

100 41.7 8.5 12.7#





#18

Benzo(a)anthracene

Concen: 0.577 ng/ul

RT: 21.50 min Scan# 4786

Delta R.T. 0.13 min

Lab File: BN003837.D

Acq: 12 Dec 2018 04:22

Instrument :

BNA_N

ClientSampleId :

F9Y09

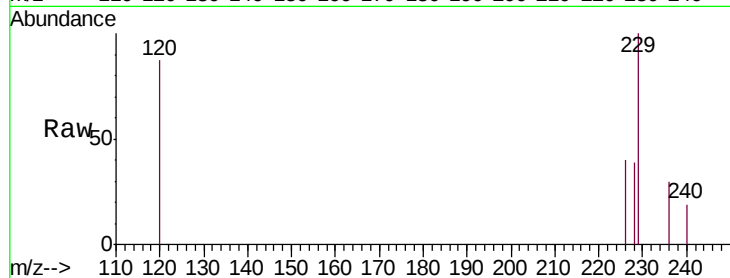
Tgt Ion:228 Resp: 1805

Ion Ratio Lower Upper

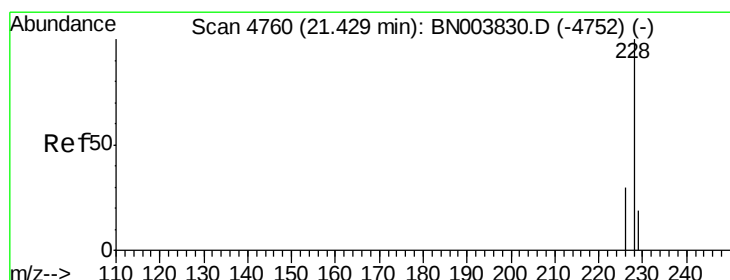
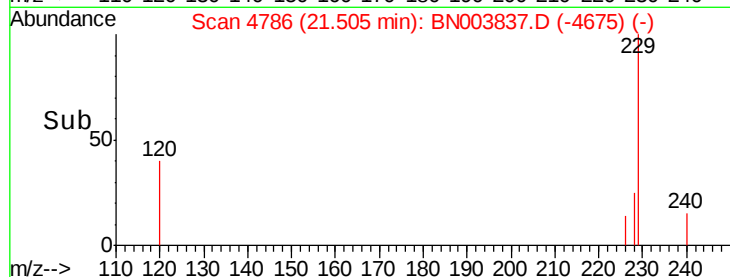
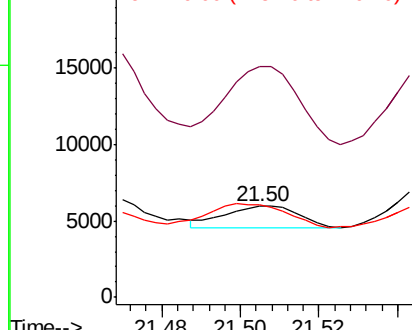
228 100

229 253.7 15.6 23.4#

226 101.9 21.1 31.7#



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: 1.609 ng/ul

RT: 21.55 min Scan# 4802

Delta R.T. 0.12 min

Lab File: BN003837.D

Acq: 12 Dec 2018 04:22

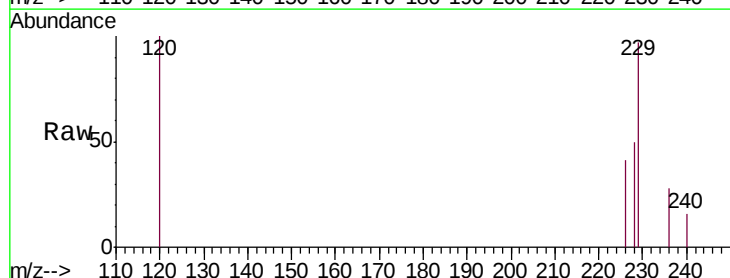
Tgt Ion:228 Resp: 5759

Ion Ratio Lower Upper

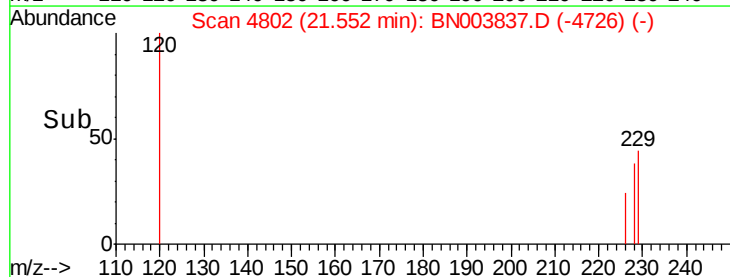
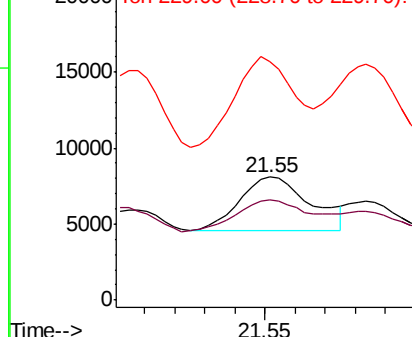
228 100

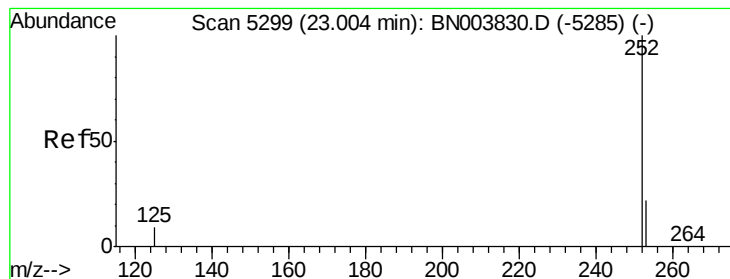
226 81.4 24.0 36.0#

229 194.0 15.7 23.5#



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: 1.017 ng/ul

RT: 23.19 min Scan# 5363

Delta R.T. 0.19 min

Lab File: BN003837.D

Acq: 12 Dec 2018 04:22

Instrument :

BNA_N

ClientSampleId :

F9Y09

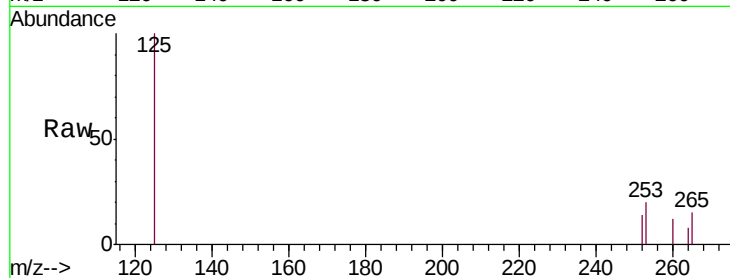
Tgt Ion:252 Resp: 572

Ion Ratio Lower Upper

252 100

253 150.2 0.0 46.0#

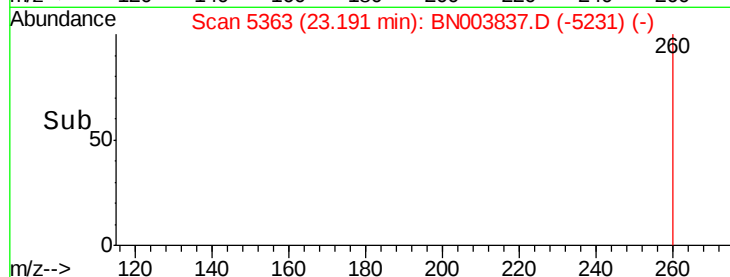
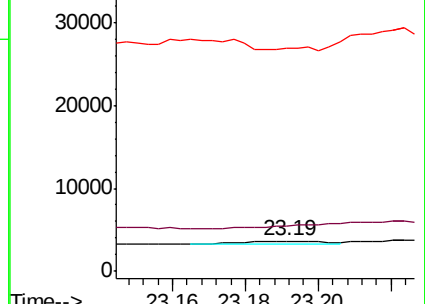
125 737.8 0.0 22.4#



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: 1.044 ng/ul

RT: 23.19 min Scan# 5363

Delta R.T. 0.14 min

Lab File: BN003837.D

Acq: 12 Dec 2018 04:22

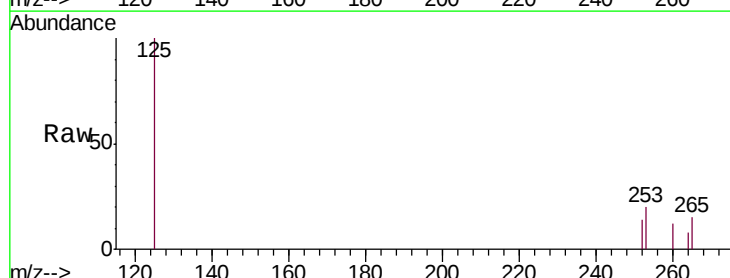
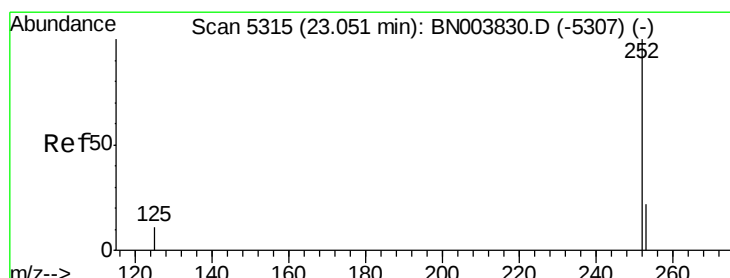
Tgt Ion:252 Resp: 572

Ion Ratio Lower Upper

252 100

253 150.2 18.5 27.7#

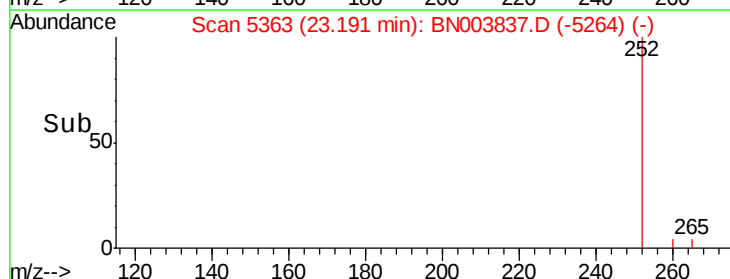
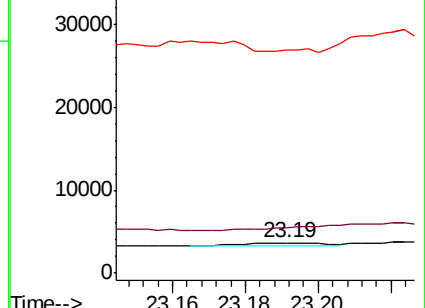
125 737.8 9.0 13.6#

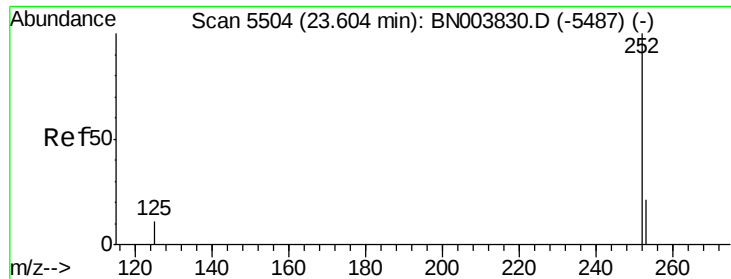


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 3.670 ng/u1

RT: 23.76 min Scan# 5559

Delta R.T. 0.16 min

Lab File: BN003837.D

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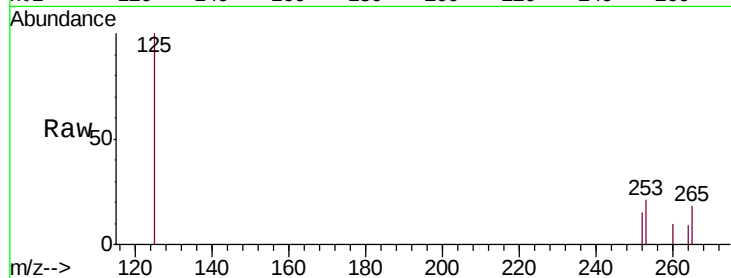
Tgt Ion:252 Resp: 1788

Ion Ratio Lower Upper

252 100

253 139.2 19.0 28.4#

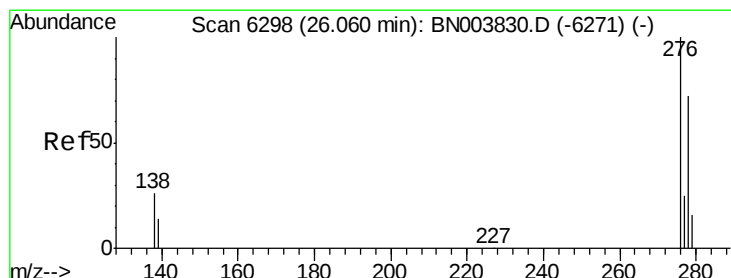
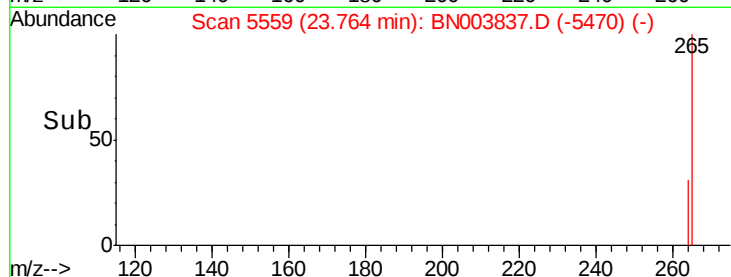
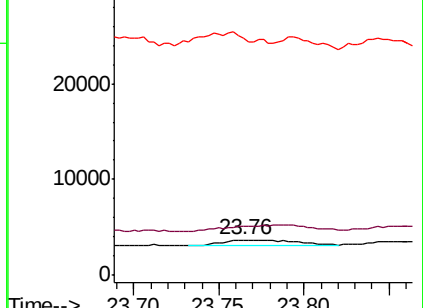
125 669.2 10.2 15.4#



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: 0.204 ng/u1

RT: 26.21 min Scan# 6343

Delta R.T. 0.15 min

Lab File: BN003837.D

Acq: 12 Dec 2018 04:22

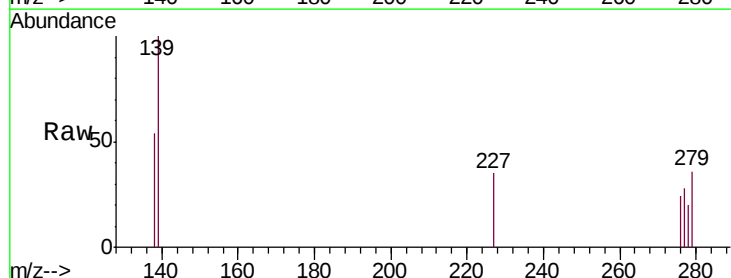
Tgt Ion:276 Resp: 114

Ion Ratio Lower Upper

276 100

138 197.4 20.3 30.5#

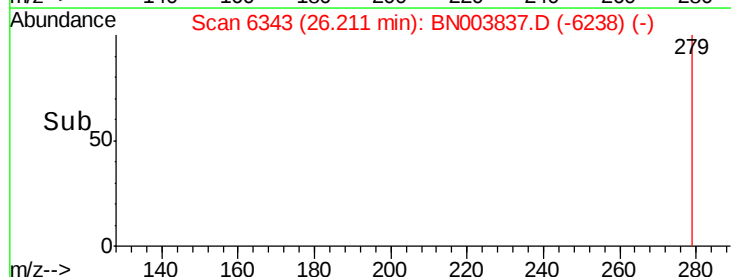
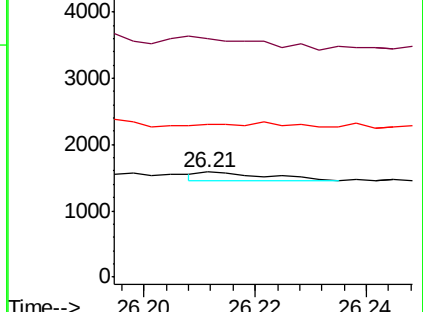
227 0.0 0.2 0.2#

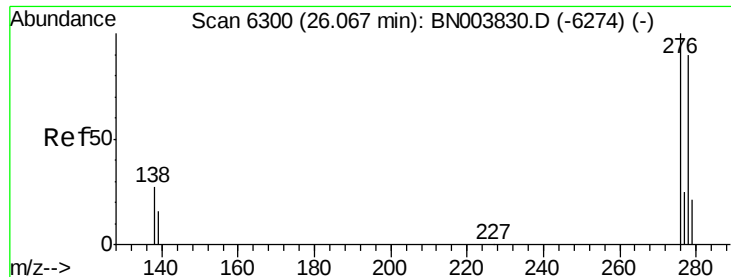


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 1.114 ng/ul

RT: 26.19 min Scan# 6338

Delta R.T. 0.13 min

Lab File: BN003837.D

Acq: 12 Dec 2018 04:22

Instrument :

BNA_N

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F9Y09

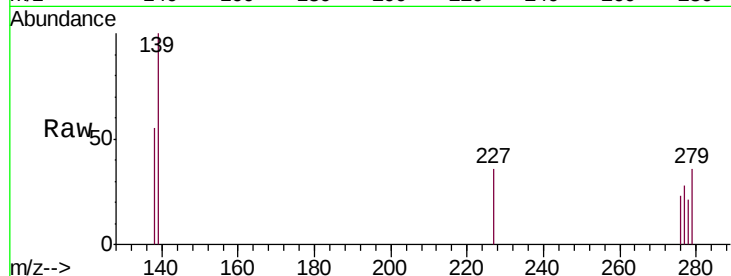
Tgt Ion:278 Resp: 501

Ion Ratio Lower Upper

278 100

139 481.5 14.2 21.4#

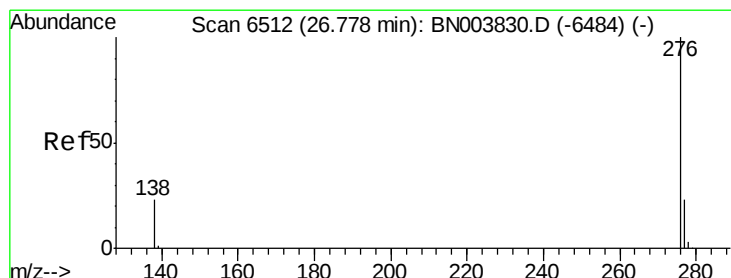
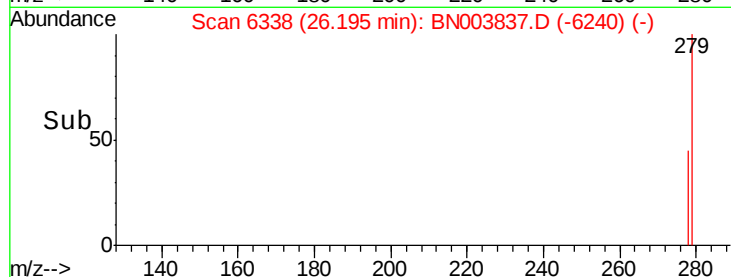
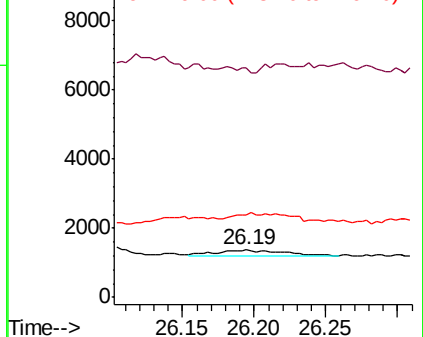
279 173.8 19.8 29.6#



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: 12.738 ng/ul

RT: 26.79 min Scan# 6517

Delta R.T. 0.02 min

Lab File: BN003837.D

Acq: 12 Dec 2018 04:22

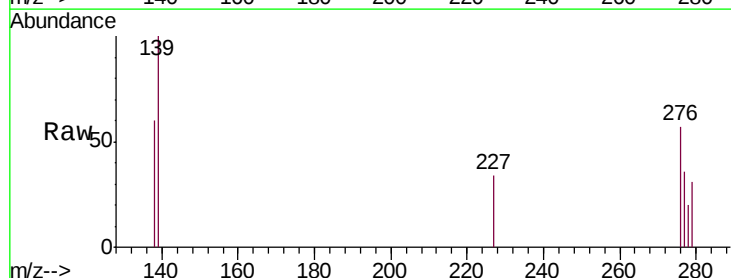
Tgt Ion:276 Resp: 6185

Ion Ratio Lower Upper

276 100

138 106.9 17.7 26.5#

277 64.4 19.3 28.9#



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

