

Data File : BN008685.D
Acq On : 21 Nov 2019 19:51
Operator : JU
Sample : K5851-13DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AB1DL

Quant Time: Nov 22 06:33:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 06:30:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	3810	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	13505	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	8066	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	15739	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	13210	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	13455	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	800	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	1980	0.04	ng/ul	0.00

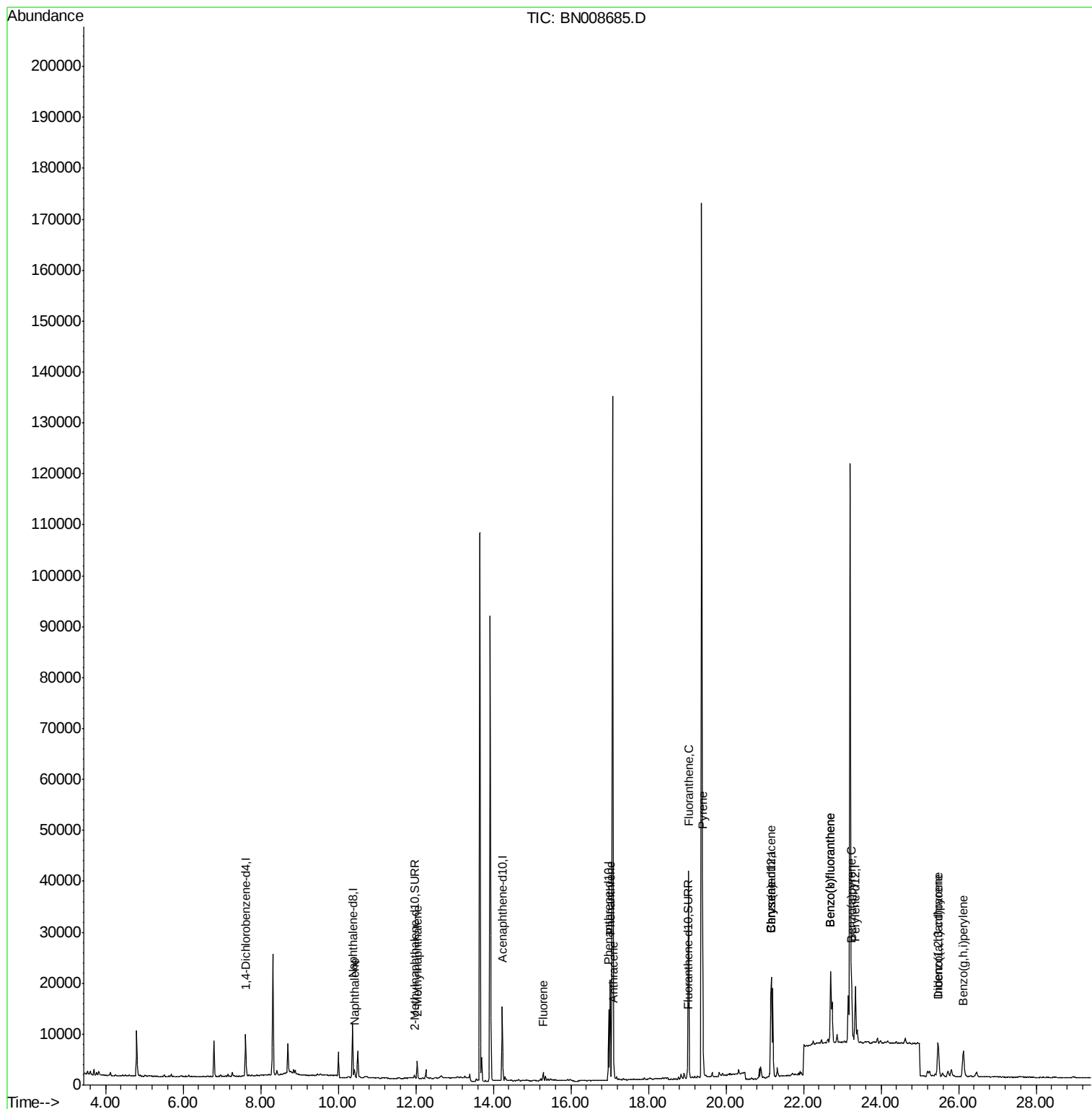
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.42	128	2137	0.052	ng/ul#	87
5) 2-Methylnaphthalene	12.04	142	2407	0.085	ng/ul	100
9) Fluorene	15.29	166	1040	0.027	ng/ul#	89
12) Phenanthrene	17.02	178	20195	0.380	ng/ul	99
13) Anthracene	17.11	178	2459	0.049	ng/ul#	90
15) Fluoranthene	19.04	202	34038	0.522	ng/ul	92
17) Pyrene	19.40	202	31538	0.595	ng/ul	96
18) Benzo(a)anthracene	21.16	228	13296	0.250	ng/ul	97
19) Chrysene	21.16	228	13296	0.255	ng/ul	94
21) Benzo(b)fluoranthene	22.70	252	29454	0.531	ng/ul	83
22) Benzo(k)fluoranthene	22.70	252	29454	0.535	ng/ul#	87
23) Benzo(a)pyrene	23.24	252	13334	0.256	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	25.47	276	9971	0.164	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.48	278	2571	0.052	ng/ul#	31
26) Benzo(g,h,i)perylene	26.12	276	10329	0.203	ng/ul#	91

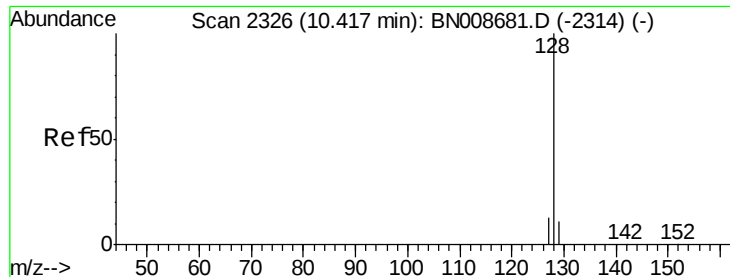
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.052 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. -0.00 min

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BNA_N

ClientSampleId :

C0AB1DL

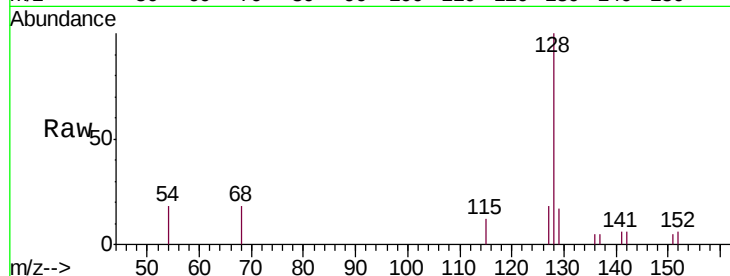
Tgt Ion:128 Resp: 2137

Ion Ratio Lower Upper

128 100

129 17.4 9.7 14.5#

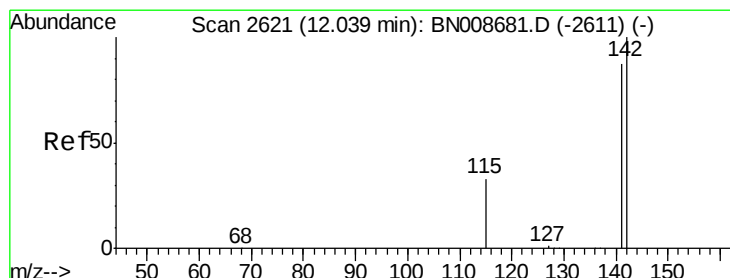
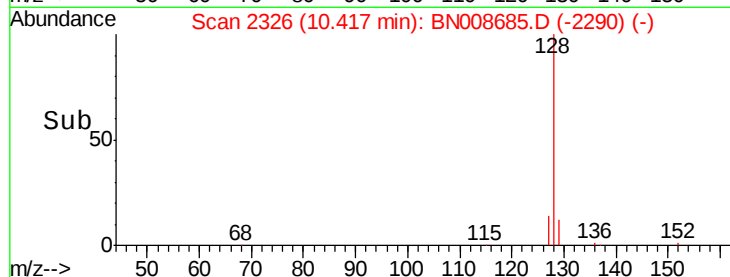
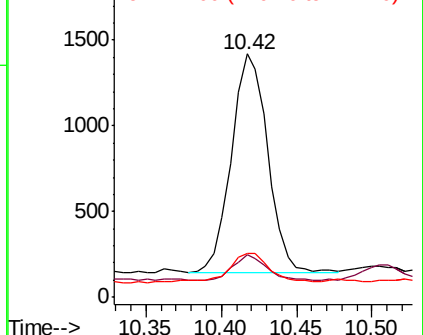
127 18.2 10.8 16.2#



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: 0.085 ng/ul

RT: 12.04 min Scan# 2621

Delta R.T. -0.00 min

Lab File: BN008685.D

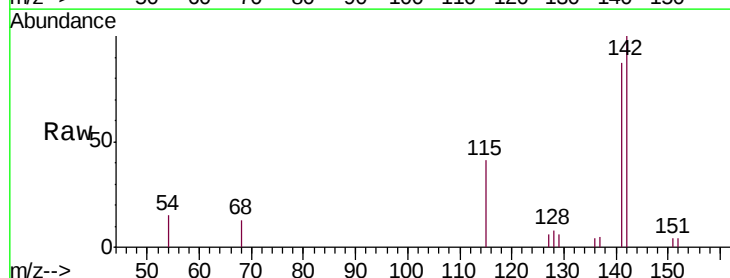
Acq: 21 Nov 2019 19:51

Tgt Ion:142 Resp: 2407

Ion Ratio Lower Upper

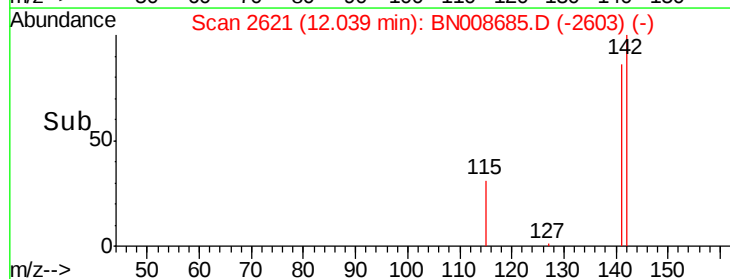
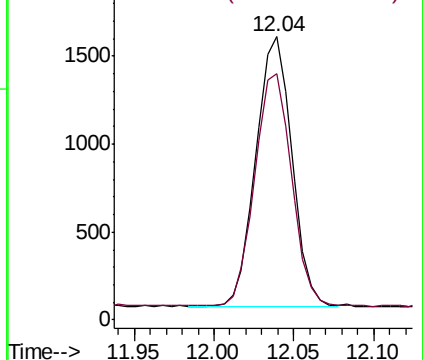
142 100

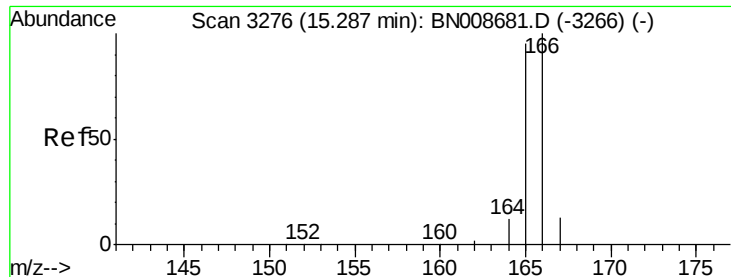
141 88.3 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Fluorene

Concen: 0.027 ng/ul

RT: 15.29 min Scan# 3276

Delta R.T. -0.00 min

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ClientSampleId :

C0AB1DL

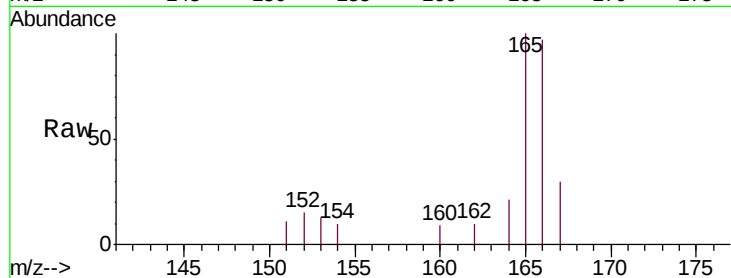
Tgt Ion:166 Resp: 1040

Ion Ratio Lower Upper

166 100

165 102.7 77.4 116.0

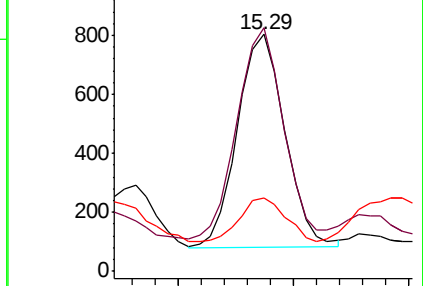
167 30.8 11.4 17.0#



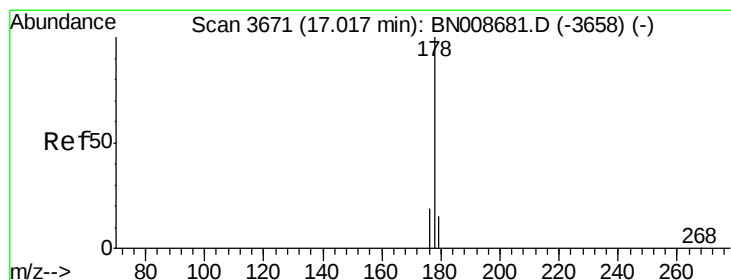
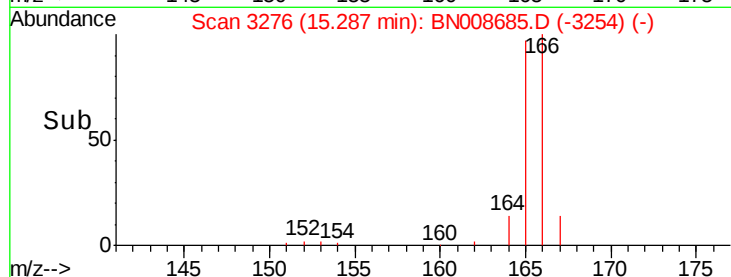
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#12

Phenanthrene

Concen: 0.380 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN008685.D

Acq: 21 Nov 2019 19:51

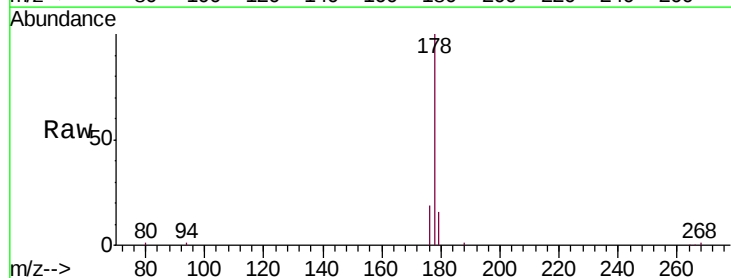
Tgt Ion:178 Resp: 20195

Ion Ratio Lower Upper

178 100

179 15.8 12.8 19.2

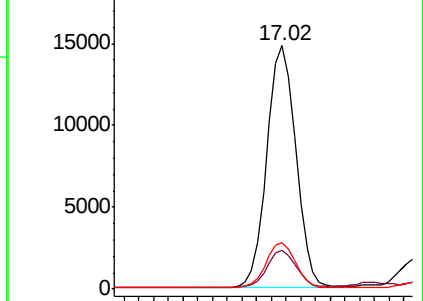
176 18.9 16.0 24.0



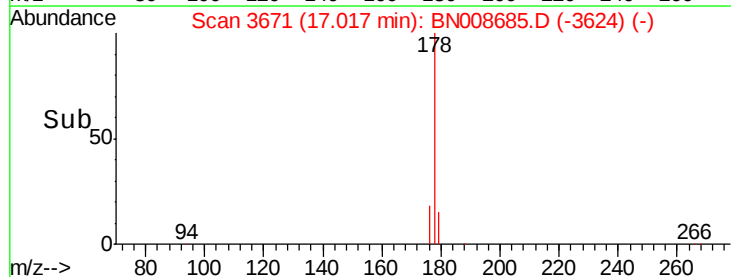
Abundance Ion 178.00 (177.70 to 178.70): E

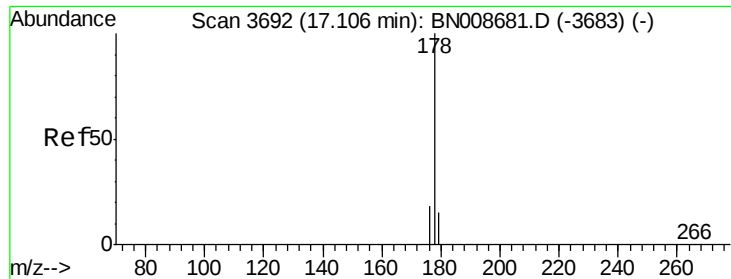
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#13

Anthracene

Concen: 0.049 ng/ul

RT: 17.11 min Scan# 3692

Delta R.T. -0.00 min

Lab File: BN008685.D

Acq: 21 Nov 2019 19:51

Instrument :

BNA_N

ClientSampleId :

C0AB1DL

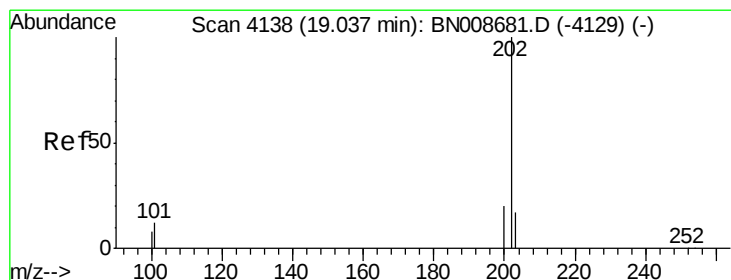
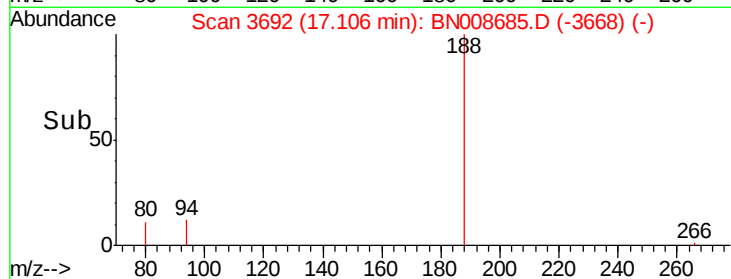
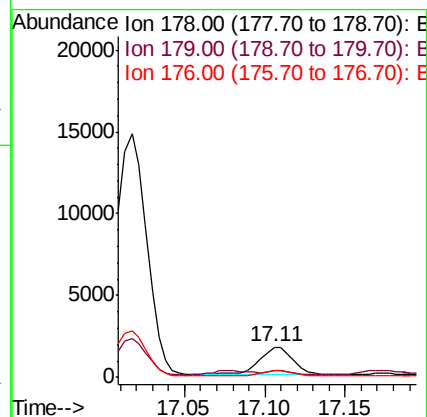
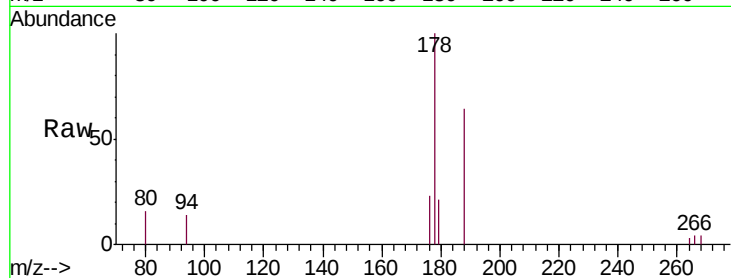
Tgt Ion:178 Resp: 2459

Ion Ratio Lower Upper

178 100

179 21.4 13.0 19.4#

176 22.8 15.3 22.9



#15

Fluoranthene

Concen: 0.522 ng/ul

RT: 19.04 min Scan# 4138

Delta R.T. -0.00 min

Lab File: BN008685.D

Acq: 21 Nov 2019 19:51

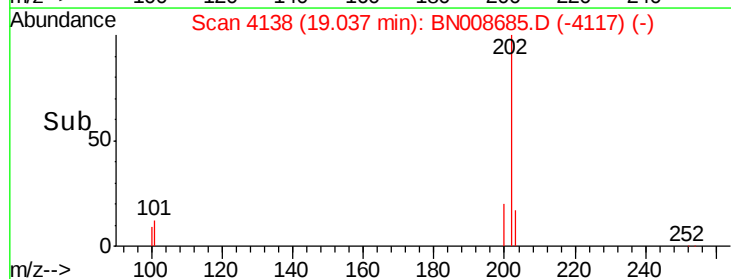
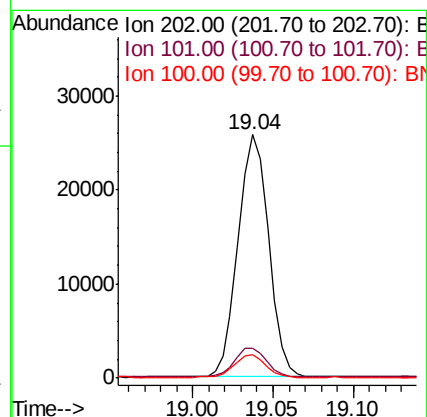
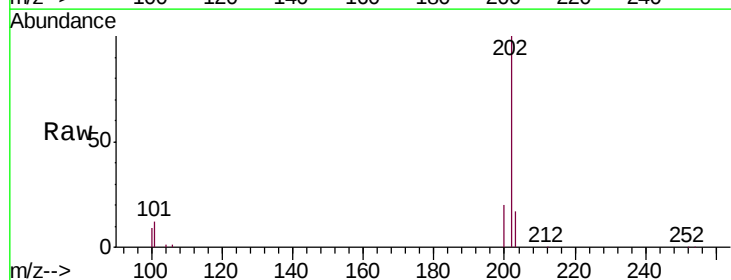
Tgt Ion:202 Resp: 34038

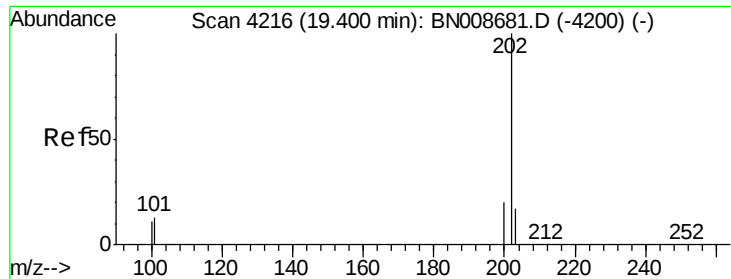
Ion Ratio Lower Upper

202 100

101 12.5 0.0 29.6

100 9.5 0.0 27.0

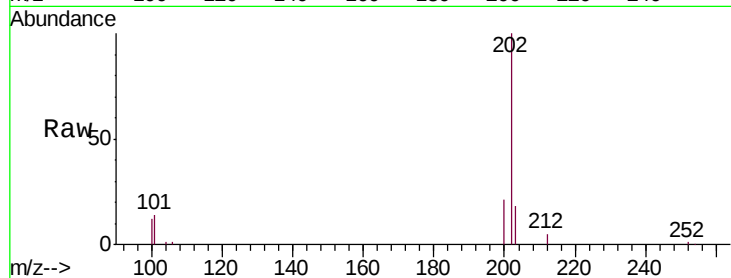




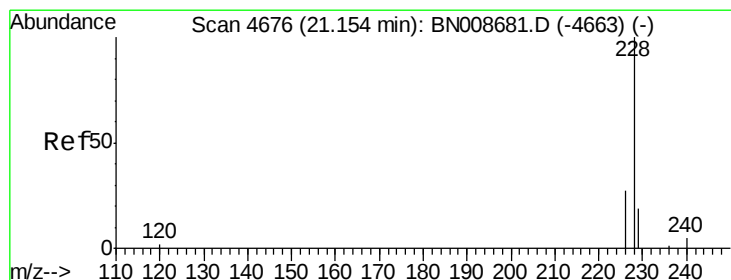
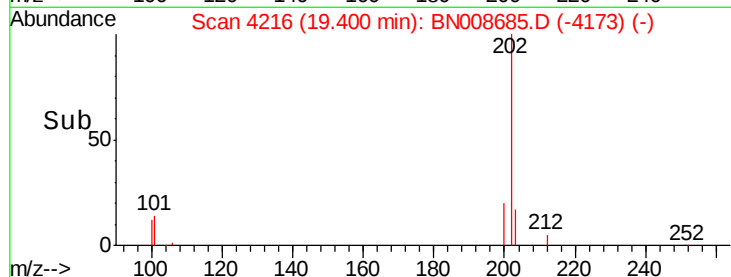
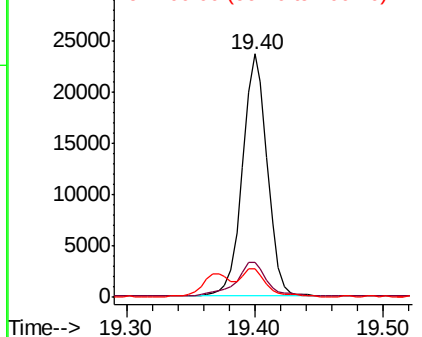
#17
Pyrene
Concen: 0.595 ng/ul
RT: 19.40 min Scan# 4216
Delta R.T. -0.00 min
Lab File: BN008685.D
Acq: 21 Nov 2019 19:51

Instrument :
BNA_N
ClientSampleId :
C0AB1DL

Tgt Ion:202 Resp: 31538
Ion Ratio Lower Upper
202 100
101 14.5 10.2 15.2
100 11.9 8.2 12.2

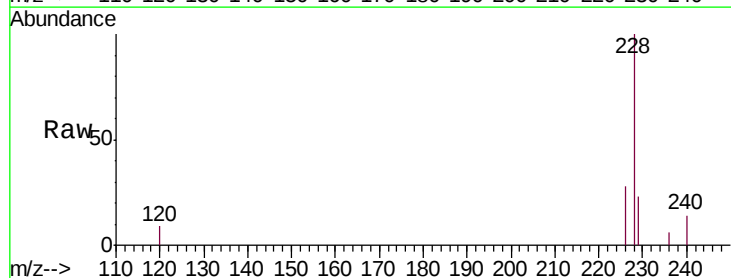


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

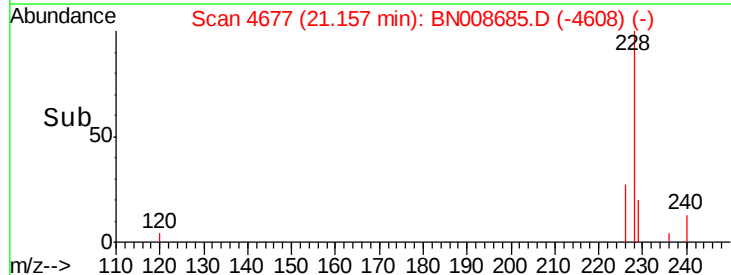
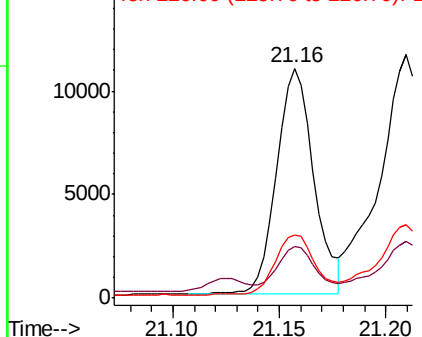


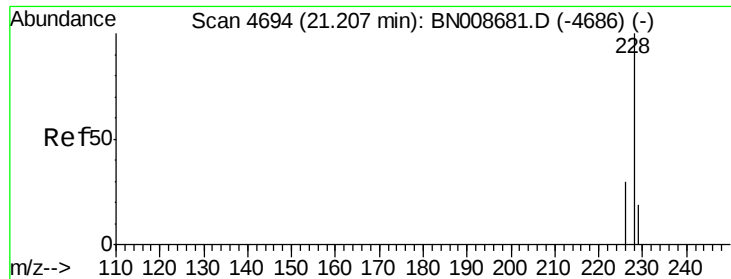
#18
Benzo(a)anthracene
Concen: 0.250 ng/ul
RT: 21.16 min Scan# 4677
Delta R.T. 0.00 min
Lab File: BN008685.D
Acq: 21 Nov 2019 19:51

Tgt Ion:228 Resp: 13296
Ion Ratio Lower Upper
228 100
229 22.6 15.8 23.6
226 27.6 21.6 32.4



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: 0.255 ng/ul

RT: 21.16 min Scan# 4677

Delta R.T. -0.05 min

Lab File: BN008685.D

Acq: 21 Nov 2019 19:51

Instrument :

BNA_N

ClientSampleId :

C0AB1DL

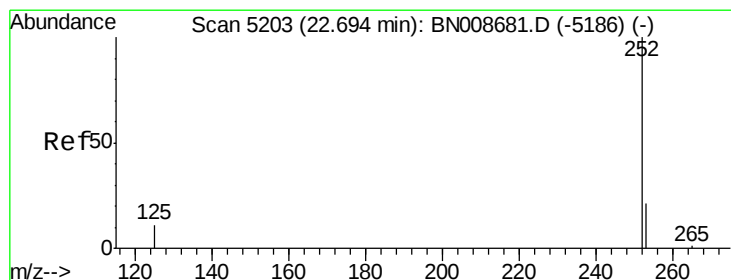
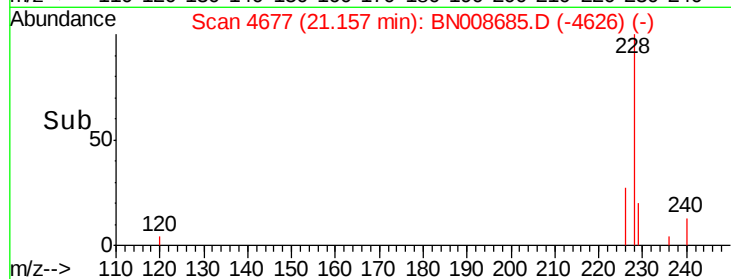
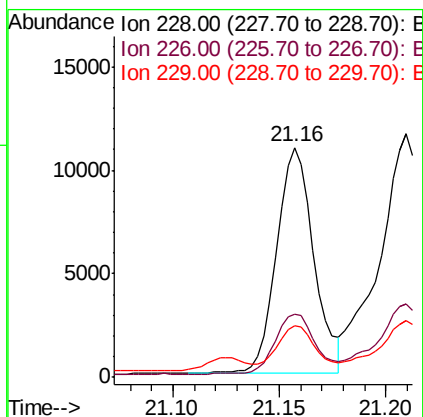
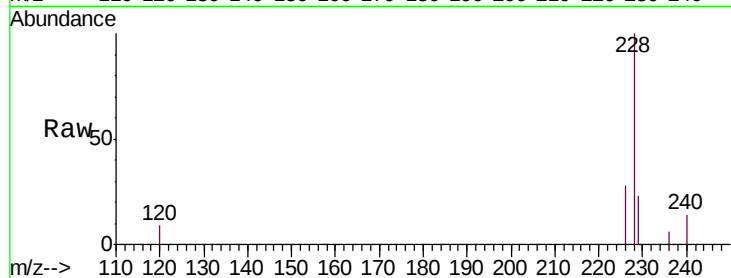
Tgt Ion:228 Resp: 13296

Ion Ratio Lower Upper

228 100

226 27.6 24.5 36.7

229 22.6 15.5 23.3



#21

Benzo(b)fluoranthene

Concen: 0.531 ng/ul

RT: 22.70 min Scan# 5204

Delta R.T. 0.00 min

Lab File: BN008685.D

Acq: 21 Nov 2019 19:51

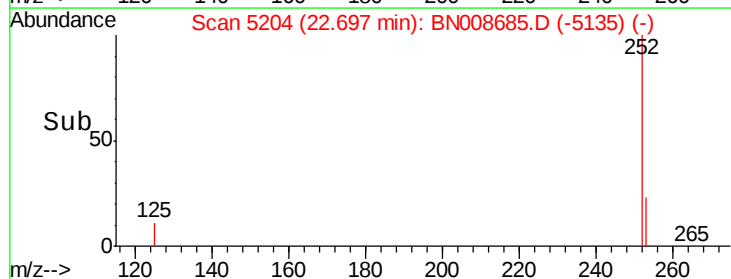
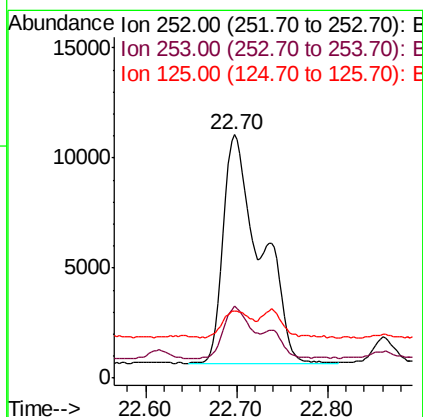
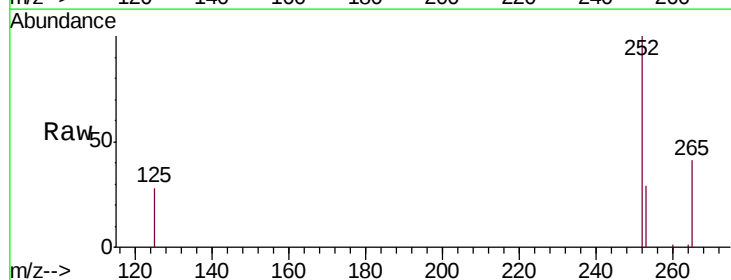
Tgt Ion:252 Resp: 29454

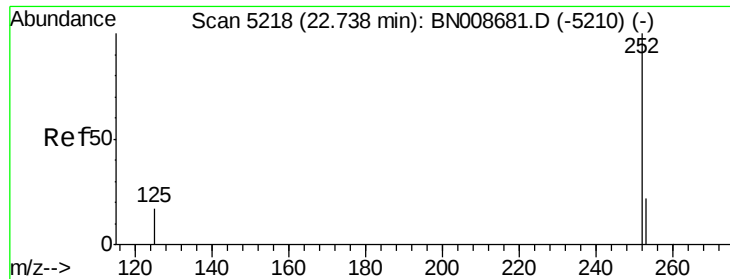
Ion Ratio Lower Upper

252 100

253 29.5 0.0 50.2

125 27.7 0.0 30.0





#22

Benzo(k)fluoranthene

Concen: 0.535 ng/u1

RT: 22.70 min Scan# 5204

Delta R.T. -0.04 min

Lab File: BN008685.D

Acq: 21 Nov 2019 19:51

Instrument :

BNA_N

ClientSampleId :

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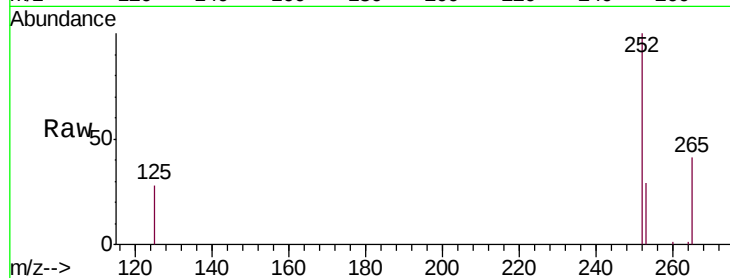
Tgt Ion:252 Resp: 29454

Ion Ratio Lower Upper

252 100

253 29.5 20.5 30.7

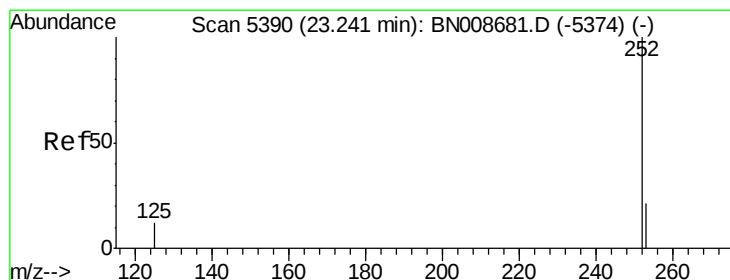
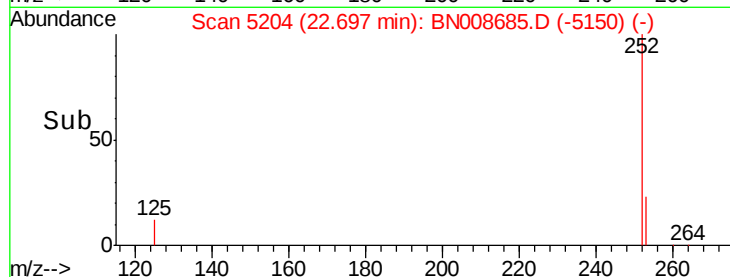
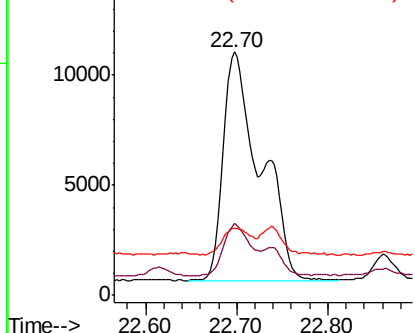
125 27.7 15.0 22.4#



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



#23

Benzo(a)pyrene

Concen: 0.256 ng/u1

RT: 23.24 min Scan# 5391

Delta R.T. 0.00 min

Lab File: BN008685.D

Acq: 21 Nov 2019 19:51

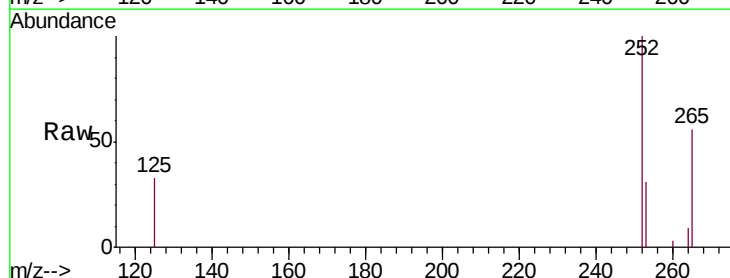
Tgt Ion:252 Resp: 13334

Ion Ratio Lower Upper

252 100

253 31.4 21.4 32.2

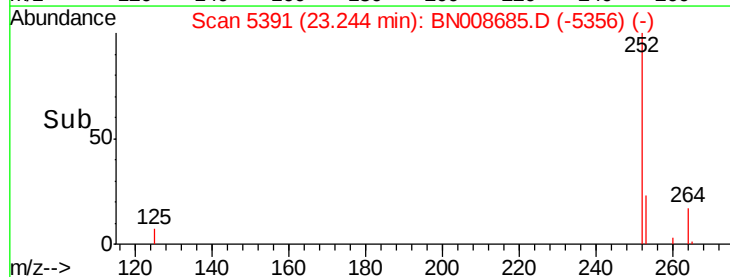
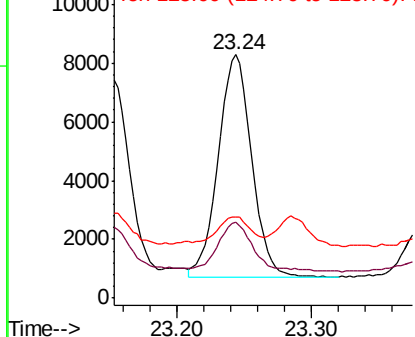
125 33.1 13.8 20.8#

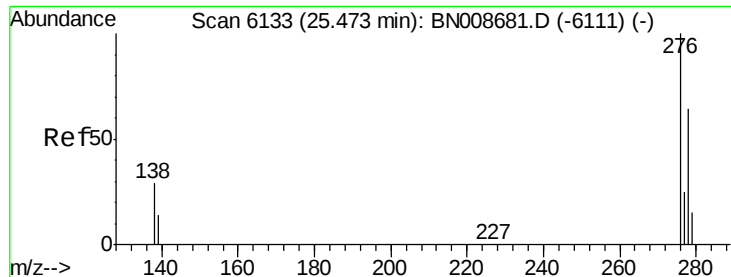


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.164 ng/ul

RT: 25.47 min Scan# 6132

Delta R.T. -0.00 min

Lab File: BN008685.D

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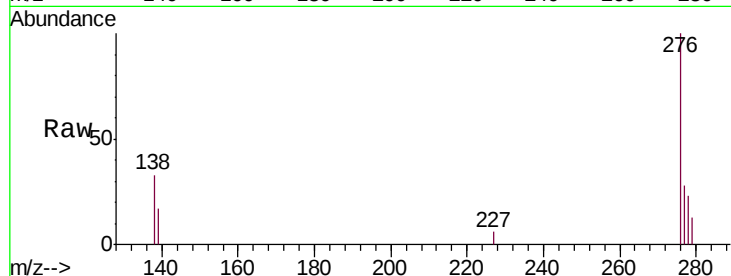
Tgt Ion:276 Resp: 9971

Ion Ratio Lower Upper

276 100

138 27.1 21.7 32.5

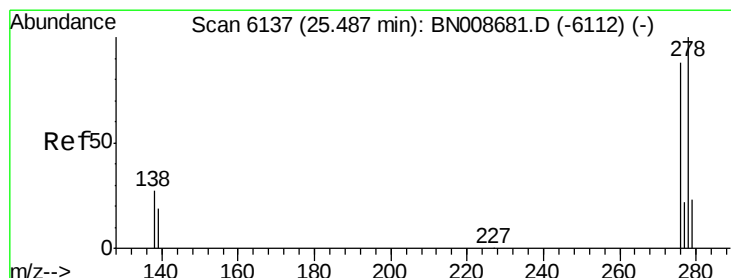
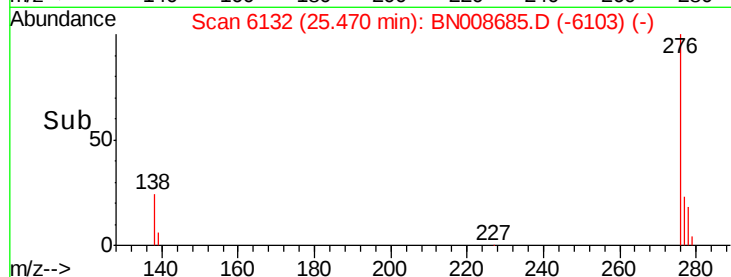
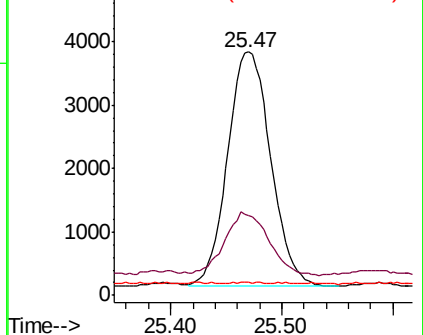
227 0.4 0.2 0.2#



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: 0.052 ng/ul

RT: 25.48 min Scan# 6136

Delta R.T. -0.00 min

Lab File: BN008685.D

Acq: 21 Nov 2019 19:51

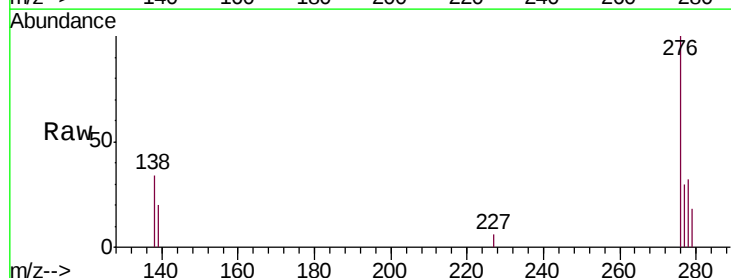
Tgt Ion:278 Resp: 2571

Ion Ratio Lower Upper

278 100

139 62.8 18.7 28.1#

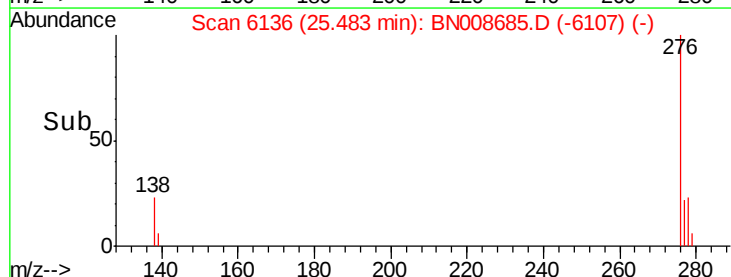
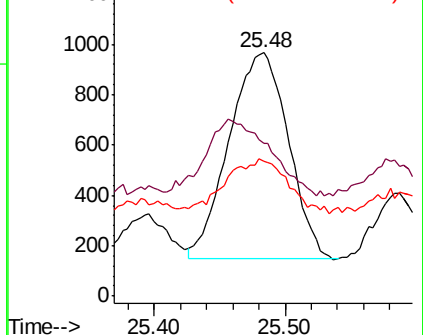
279 55.4 20.8 31.2#

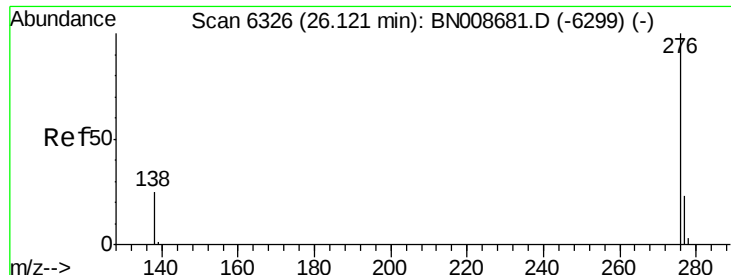


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.203 ng/ul

RT: 26.12 min Scan# 6325

Delta R.T. -0.00 min

Lab File: BN008685.D

Acq: 21 Nov 2019 19:51

Instrument :

BNA_N

ClientSampleId :

C0AB1DL

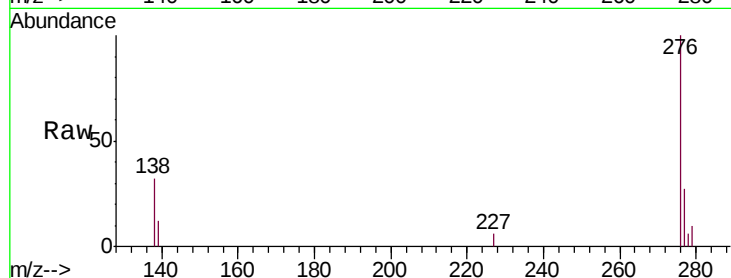
Tgt Ion:276 Resp: 10329

Ion Ratio Lower Upper

276 100

138 32.2 20.0 30.0#

277 27.2 20.0 30.0



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

