

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051719\
 Data File : BN005737.D
 Acq On : 17 May 2019 19:34
 Operator : JU/SJ
 Sample : K2788-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A5199

Quant Time: May 18 00:50:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 17 04:47:07 2019
 Response via : Initial Calibration

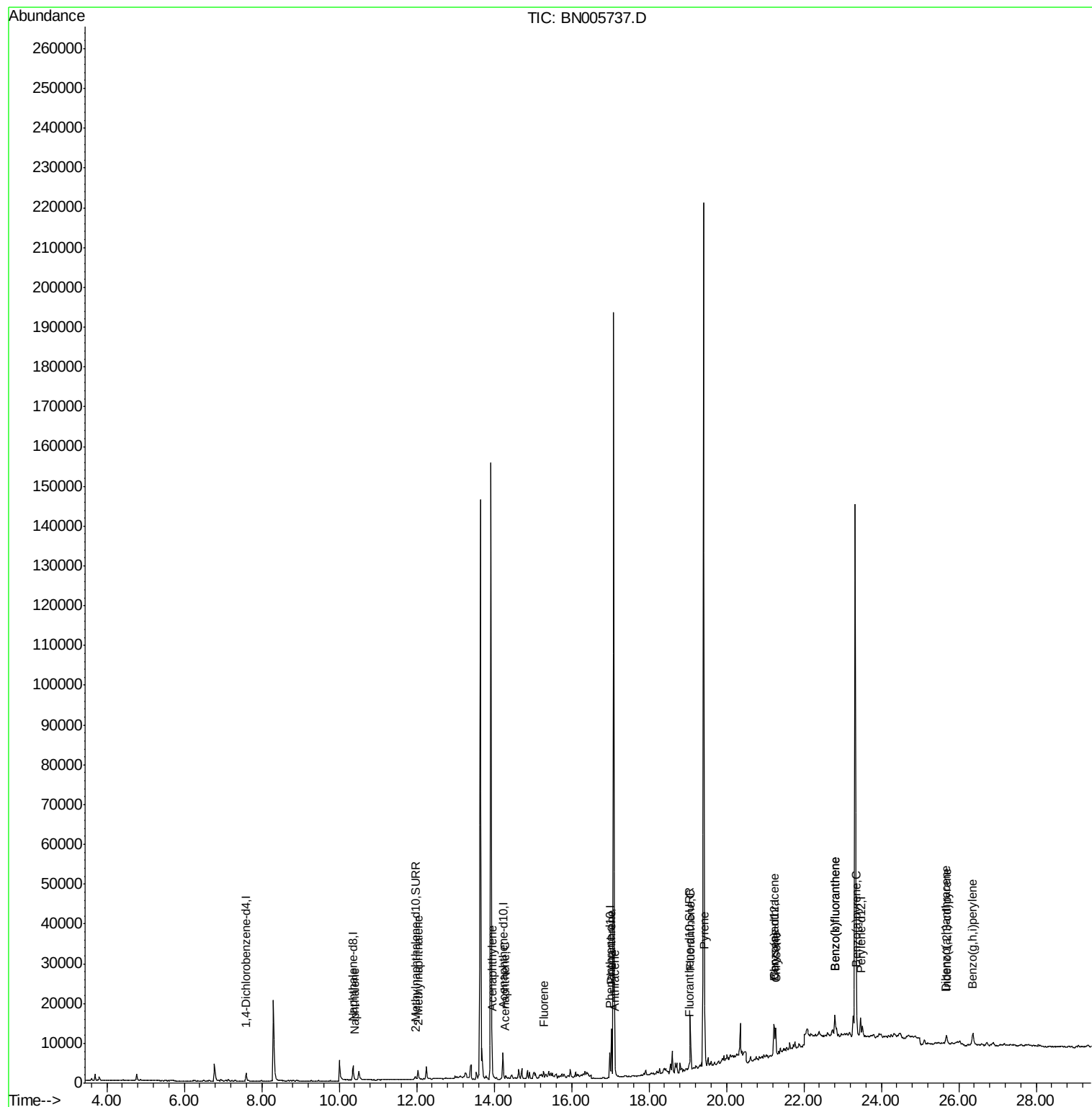
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	1244	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	5122	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	3453	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.99	188	7915	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	5799	0.40	ng/ul	0.02
20) Perylene-d12	23.46	264	6064	0.40	ng/ul	0.04
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	1156	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	3034	0.12	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.41	128	286	0.021	ng/ul#	25
5) 2-Methylnaphthalene	12.03	142	2182	0.236	ng/ul	98
7) Acenaphthylene	13.95	152	562	0.032	ng/ul#	1
8) Acenaphthene	14.29	153	701	0.057	ng/ul#	90
9) Fluorene	15.29	166	305	0.021	ng/ul#	60
12) Phenanthrene	17.03	178	13262	0.615	ng/ul	98
13) Anthracene	17.12	178	1165	0.054	ng/ul#	62
15) Fluoranthene	19.07	202	12996	0.435	ng/ul	100
17) Pyrene	19.44	202	12760	0.596	ng/ul	98
18) Benzo(a)anthracene	21.22	228	5020	0.251	ng/ul#	48
19) Chrysene	21.27	228	5771	0.235	ng/ul#	60
21) Benzo(b)fluoranthene	22.80	252	10360	0.568	ng/ul#	1
22) Benzo(k)fluoranthene	22.80	252	10260	0.449	ng/ul#	1
23) Benzo(a)pyrene	23.37	252	5029	0.247	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.68	276	3634	0.159	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.66	278	1639	0.087	ng/ul#	1
26) Benzo(g,h,i)perylene	26.37	276	6699	0.345	ng/ul#	38

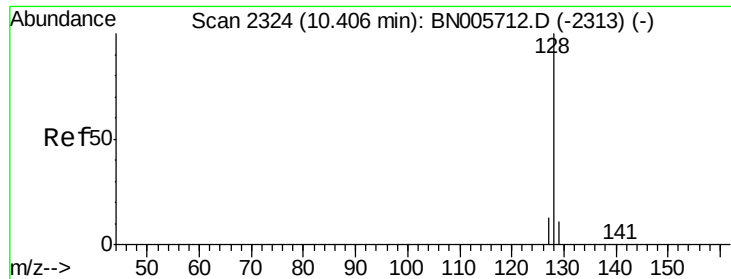
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.021 ng/ul

RT: 10.41 min Scan# 2324

Delta R.T. 0.00 min

Lab File: BN005737.D

Acq: 17 May 2019 19:34

Instrument :

BNA_N

ClientSampleId :

A5199

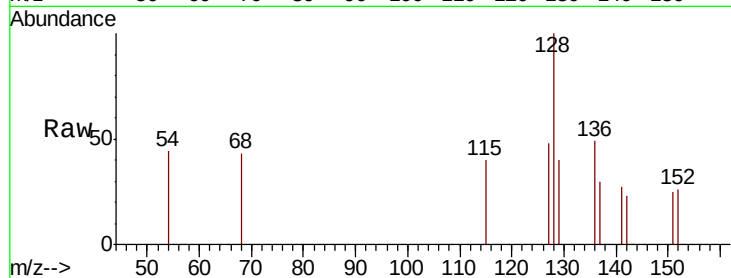
Tgt Ion:128 Resp: 286

Ion Ratio Lower Upper

128 100

129 40.4 10.2 15.2#

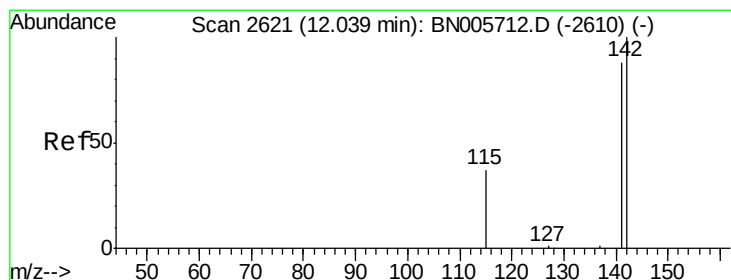
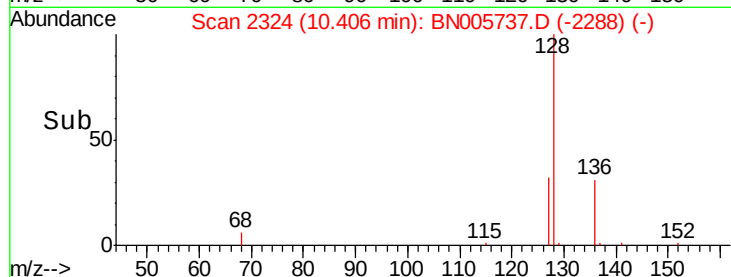
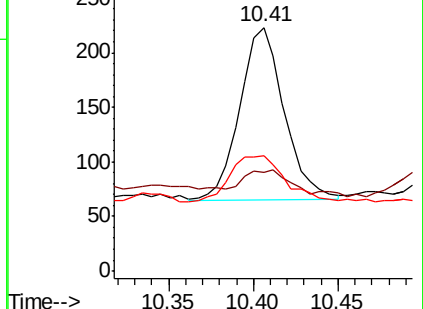
127 47.5 11.8 17.8#



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: 0.236 ng/ul

RT: 12.03 min Scan# 2620

Delta R.T. -0.01 min

Lab File: BN005737.D

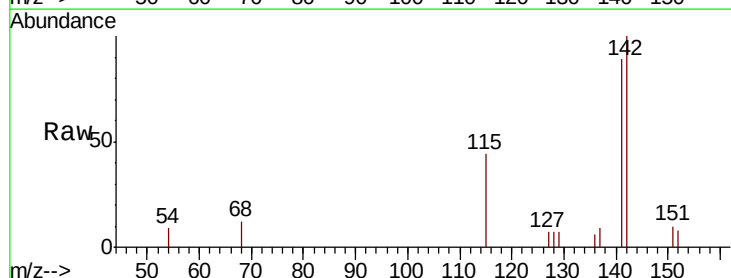
Acq: 17 May 2019 19:34

Tgt Ion:142 Resp: 2182

Ion Ratio Lower Upper

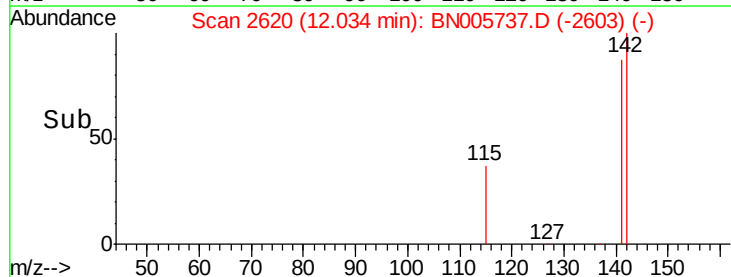
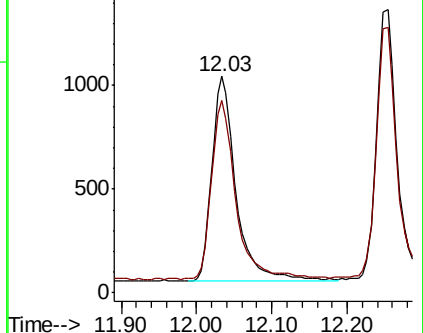
142 100

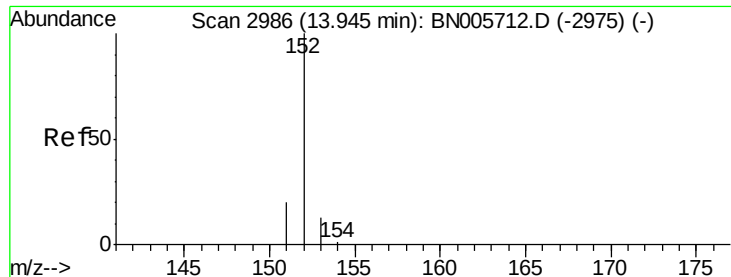
141 88.6 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.032 ng/ul

RT: 13.95 min Scan# 2988

Delta R.T. 0.01 min

Lab File: BN005737.D

Acq: 17 May 2019 19:34

Instrument :

BNA_N

ClientSampled :

A5199

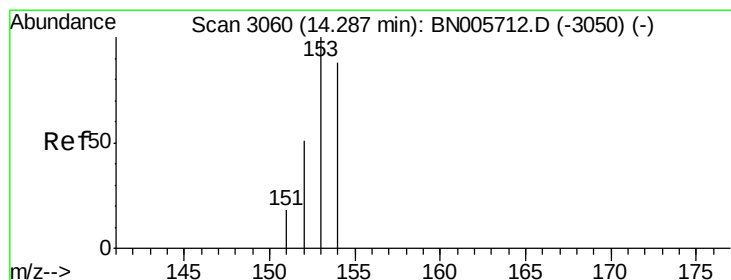
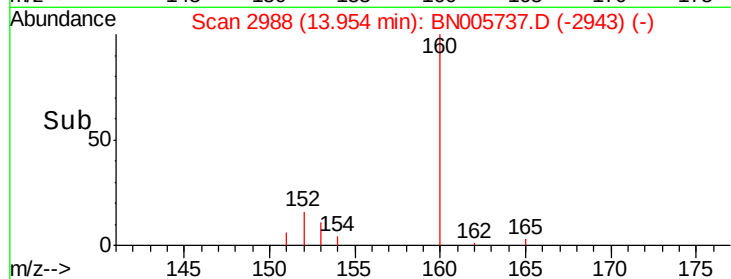
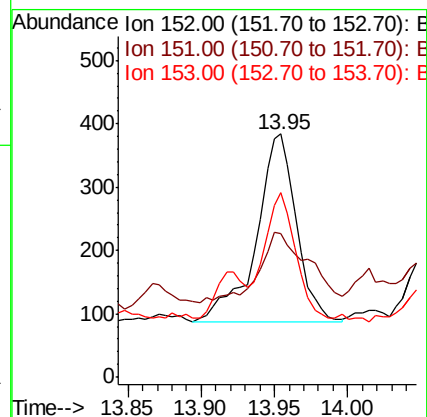
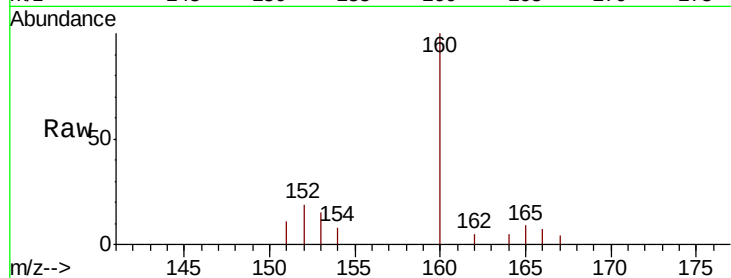
Tgt Ion:152 Resp: 562

Ion Ratio Lower Upper

152 100

151 59.1 16.7 25.1#

153 76.0 11.6 17.4#



#8

Acenaphthene

Concen: 0.057 ng/ul

RT: 14.29 min Scan# 3061

Delta R.T. 0.00 min

Lab File: BN005737.D

Acq: 17 May 2019 19:34

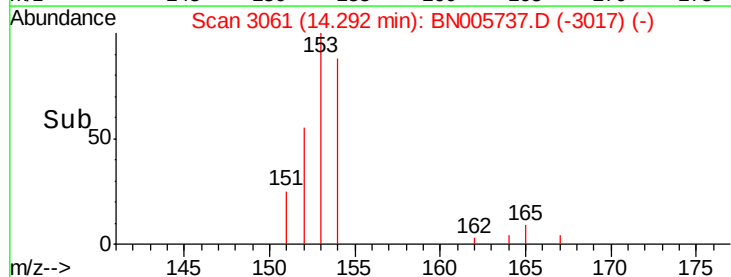
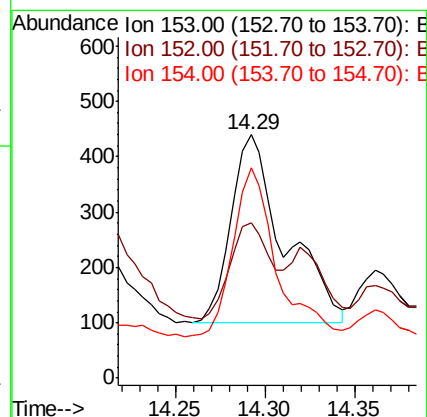
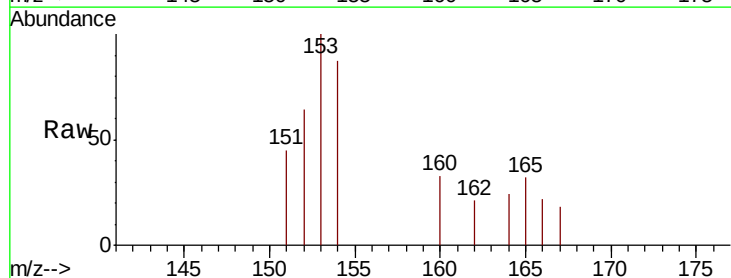
Tgt Ion:153 Resp: 701

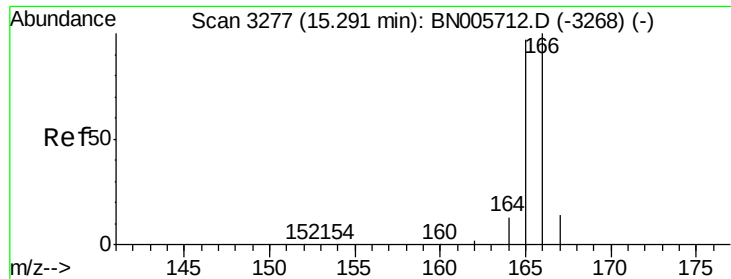
Ion Ratio Lower Upper

153 100

152 63.9 40.8 61.2#

154 86.6 73.2 109.8





#9

Fluorene

Concen: 0.021 ng/ul

RT: 15.29 min Scan# 3276

Delta R.T. -0.00 min

Lab File: BN005737.D

Acq: 17 May 2019 19:34

Instrument :

BNA_N

ClientSampleId :

A5199

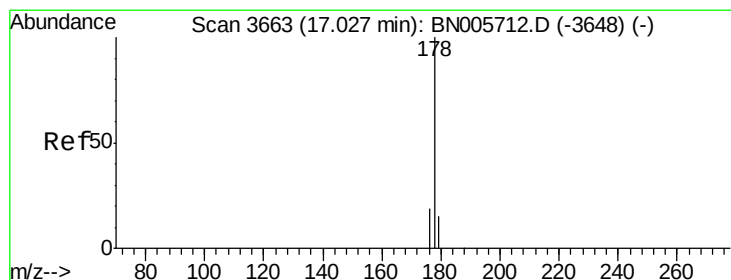
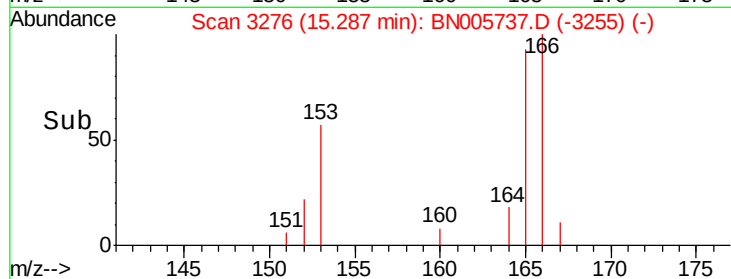
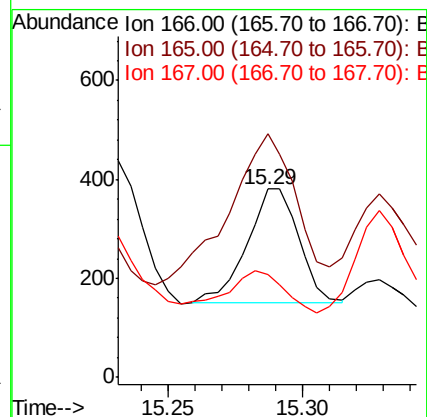
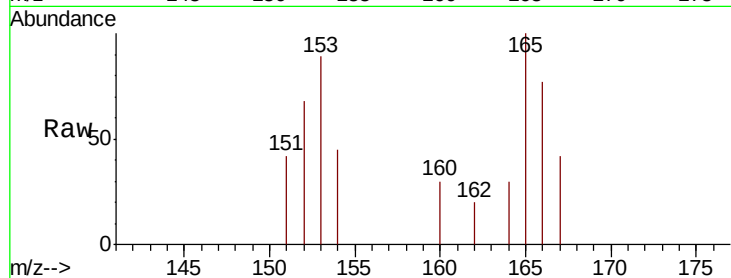
Tgt Ion:166 Resp: 305

Ion Ratio Lower Upper

166 100

165 129.1 78.0 117.0#

167 54.6 12.2 18.4#



#12

Phenanthrene

Concen: 0.615 ng/ul

RT: 17.03 min Scan# 3664

Delta R.T. 0.00 min

Lab File: BN005737.D

Acq: 17 May 2019 19:34

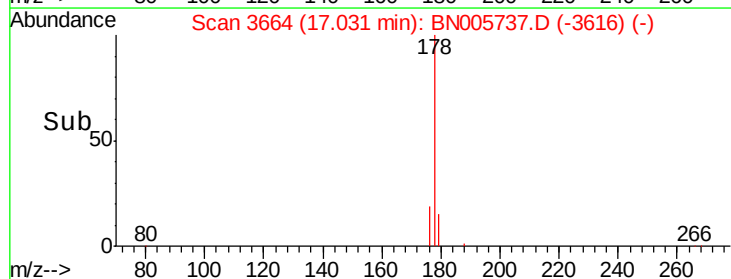
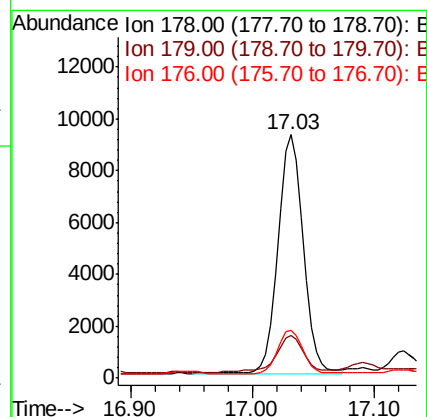
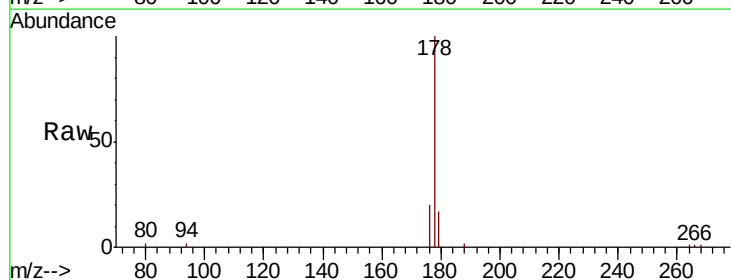
Tgt Ion:178 Resp: 13262

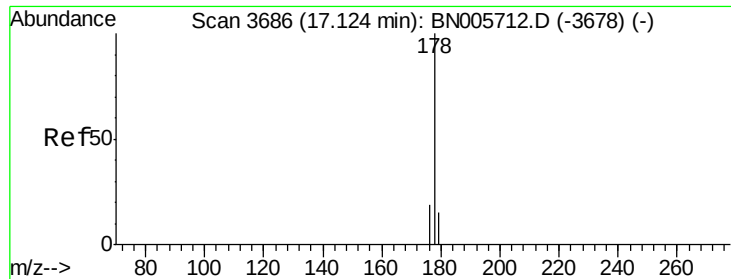
Ion Ratio Lower Upper

178 100

179 17.4 12.8 19.2

176 19.7 15.3 22.9





#13

Anthracene

Concen: 0.054 ng/ul

RT: 17.12 min Scan# 3686

Delta R.T. 0.00 min

Lab File: BN005737.D

Acq: 17 May 2019 19:34

Instrument :

BNA_N

ClientSampleId :

A5199

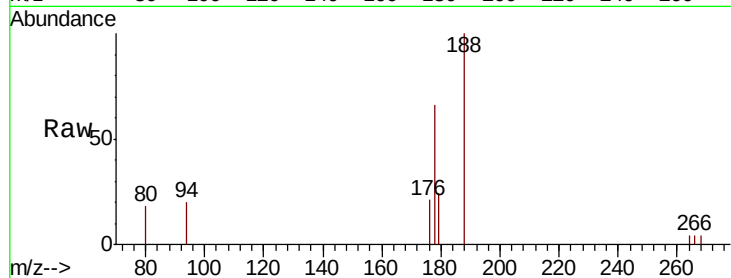
Tgt Ion:178 Resp: 1165

Ion Ratio Lower Upper

178 100

179 37.2 13.4 20.2#

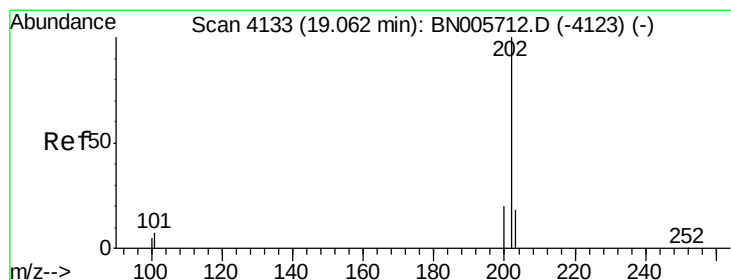
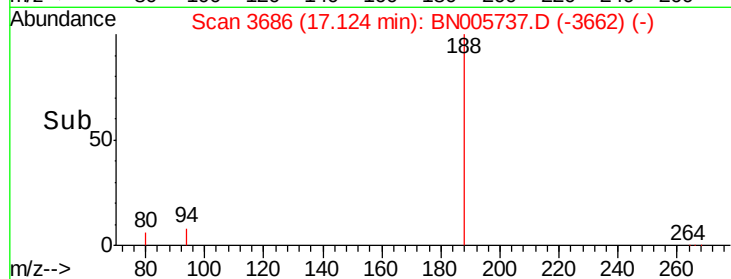
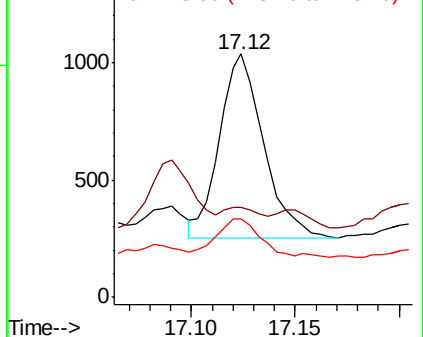
176 32.1 15.1 22.7#



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: 0.435 ng/ul

RT: 19.07 min Scan# 4134

Delta R.T. 0.00 min

Lab File: BN005737.D

Acq: 17 May 2019 19:34

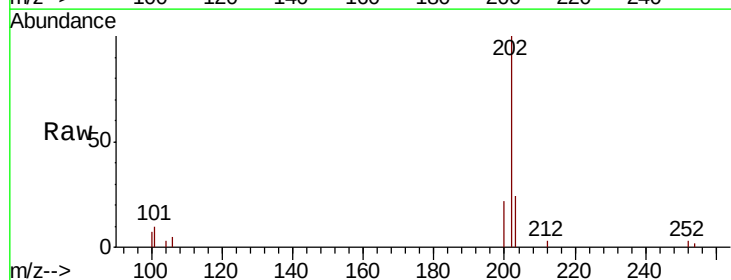
Tgt Ion:202 Resp: 12996

Ion Ratio Lower Upper

202 100

101 9.6 0.0 29.4

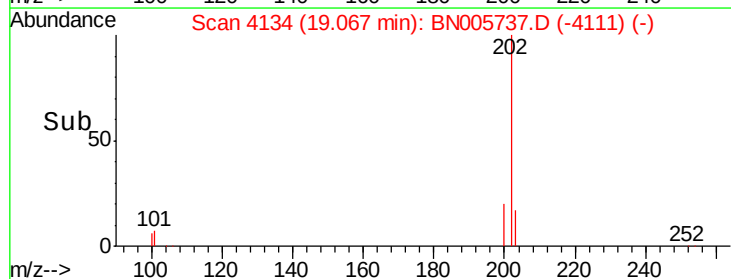
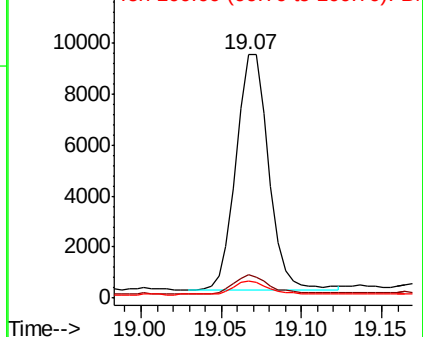
100 7.2 0.0 27.1

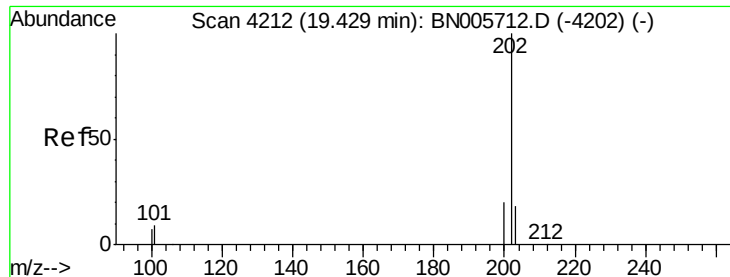


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

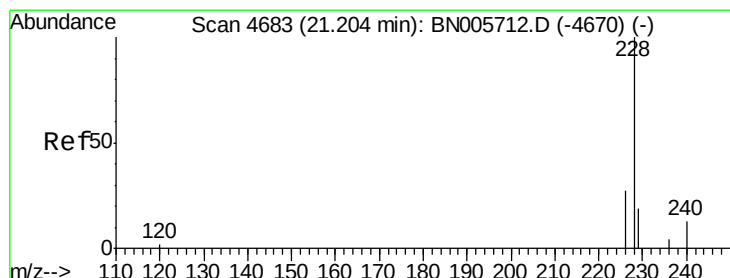
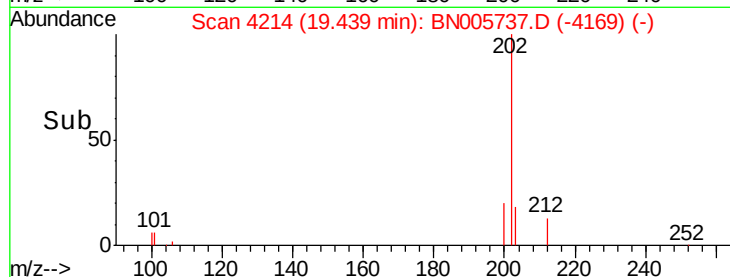
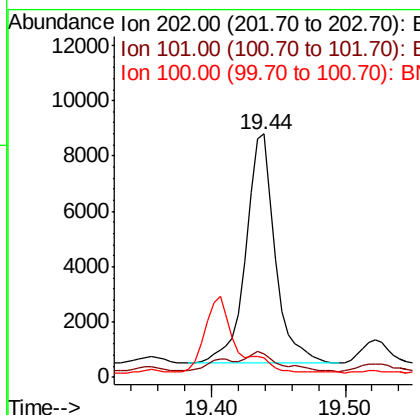
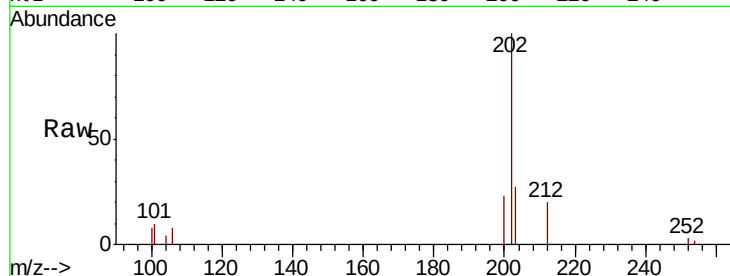




#17
 Pyrene
 Concen: 0.596 ng/ul
 RT: 19.44 min Scan# 4214
 Delta R.T. 0.01 min
 Lab File: BN005737.D
 Acq: 17 May 2019 19:34

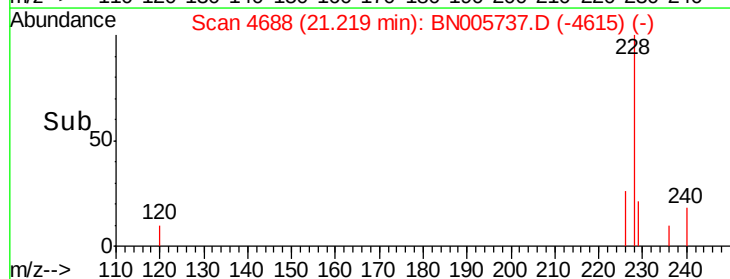
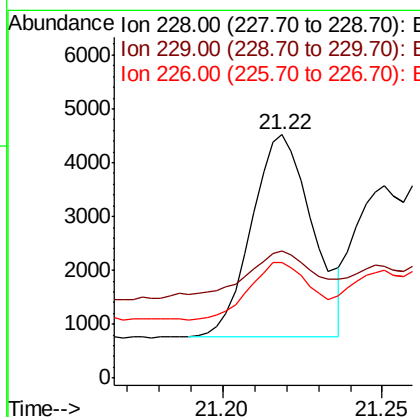
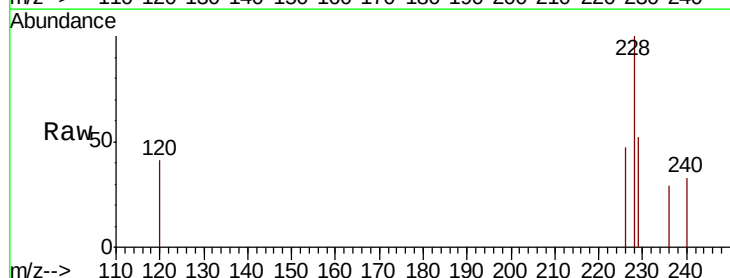
Instrument :
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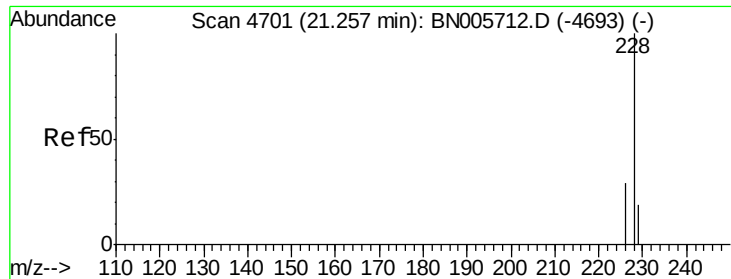
Tgt Ion:202 Resp: 12760
 Ion Ratio Lower Upper
 202 100
 101 9.8 8.5 12.7
 100 7.8 6.9 10.3



#18
 Benzo(a)anthracene
 Concen: 0.251 ng/ul
 RT: 21.22 min Scan# 4688
 Delta R.T. 0.01 min
 Lab File: BN005737.D
 Acq: 17 May 2019 19:34

Tgt Ion:228 Resp: 5020
 Ion Ratio Lower Upper
 228 100
 229 52.1 15.8 23.8#
 226 47.2 21.7 32.5#





#19

Chrysene

Concen: 0.235 ng/ul

RT: 21.27 min Scan# 4706

Delta R.T. 0.01 min

Lab File: BN005737.D

Acq: 17 May 2019 19:34

Instrument :

BNA_N

ClientSampleId :

A5199

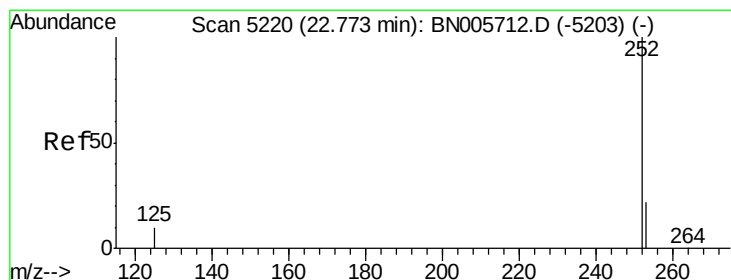
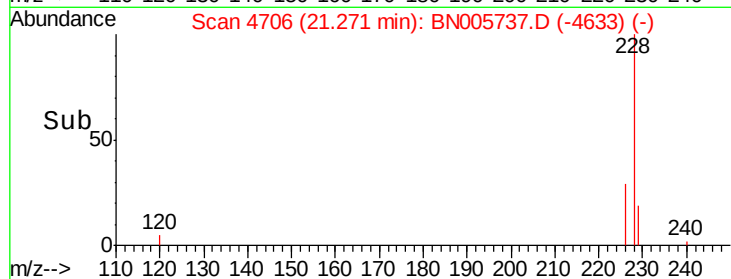
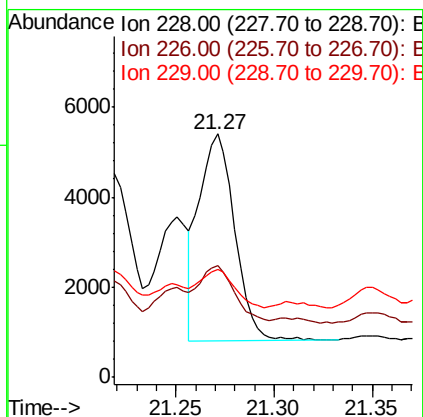
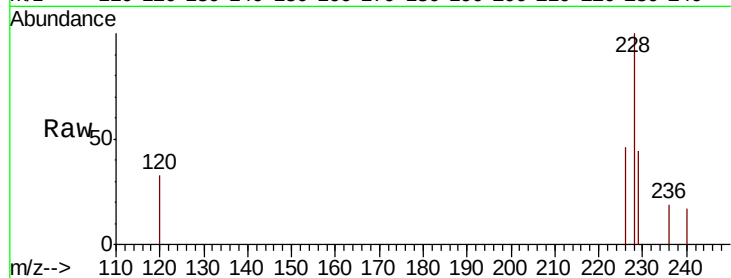
Tgt Ion:228 Resp: 5771

Ion Ratio Lower Upper

228 100

226 45.8 23.2 34.8#

229 44.2 16.0 24.0#



#21

Benzo(b)fluoranthene

Concen: 0.568 ng/ul

RT: 22.80 min Scan# 5230

Delta R.T. 0.03 min

Lab File: BN005737.D

Acq: 17 May 2019 19:34

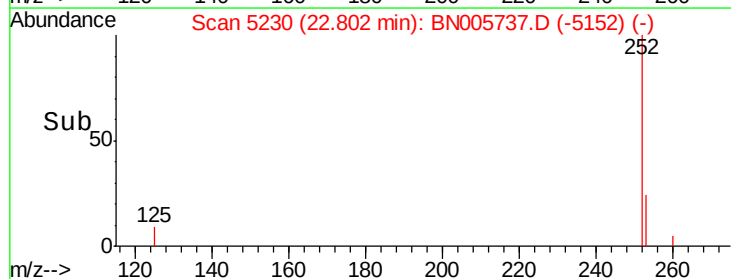
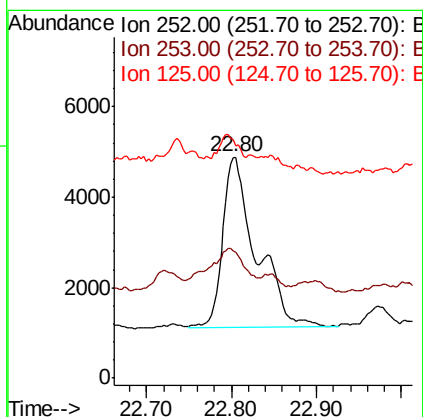
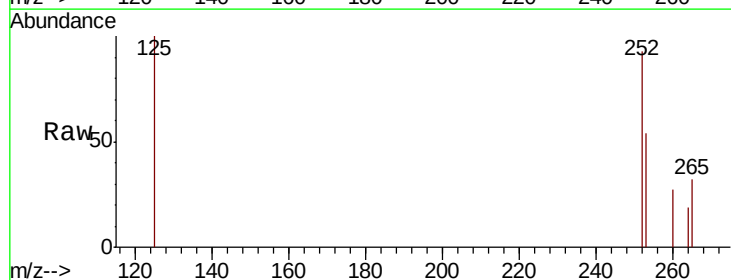
Tgt Ion:252 Resp: 10360

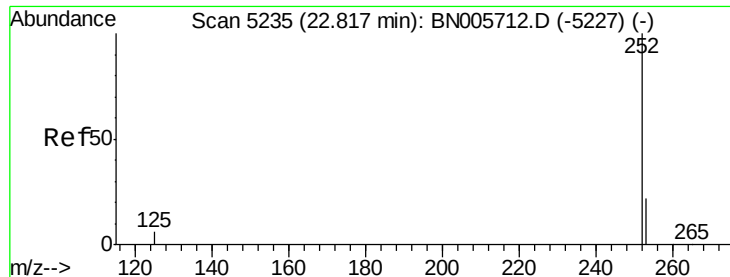
Ion Ratio Lower Upper

252 100

253 57.6 0.0 47.6#

125 107.7 0.0 20.8#





#22

Benzo(k)fluoranthene

Concen: 0.449 ng/ul

RT: 22.80 min Scan# 5230

Delta R.T. -0.01 min

Lab File: BN005737.D

Acq: 17 May 2019 19:34

Instrument :

BNA_N

ClientSampleId :

A5199

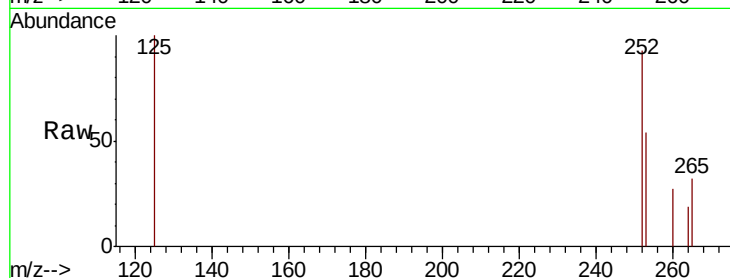
Tgt Ion:252 Resp: 10260

Ion Ratio Lower Upper

252 100

253 57.6 18.8 28.2#

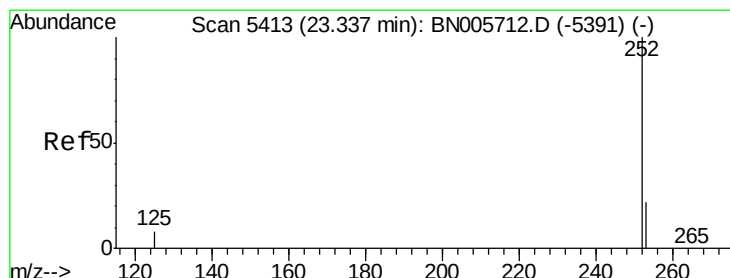
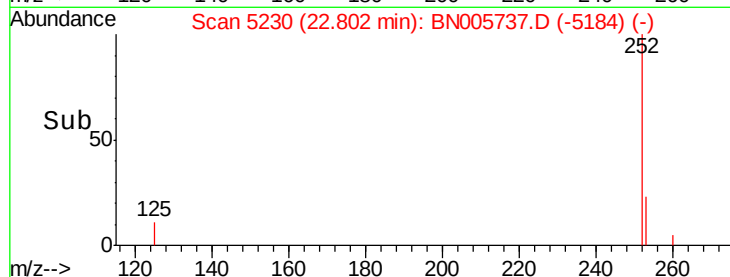
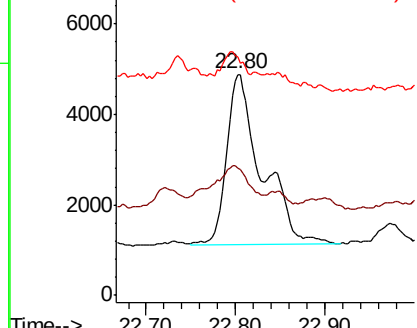
125 107.7 7.6 11.4#



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: 0.247 ng/ul

RT: 23.37 min Scan# 5423

Delta R.T. 0.03 min

Lab File: BN005737.D

Acq: 17 May 2019 19:34

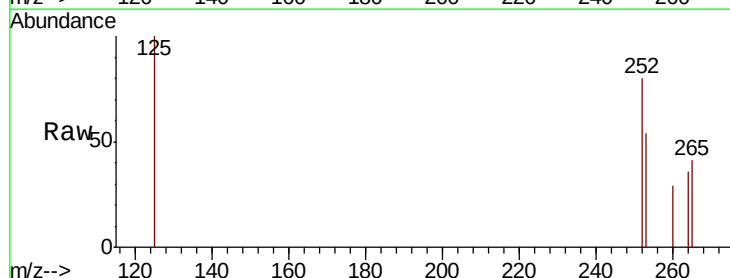
Tgt Ion:252 Resp: 5029

Ion Ratio Lower Upper

252 100

253 67.3 19.6 29.4#

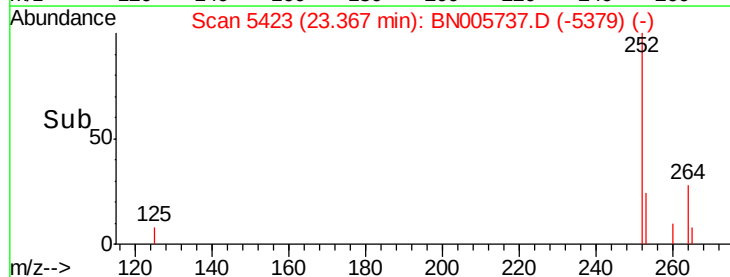
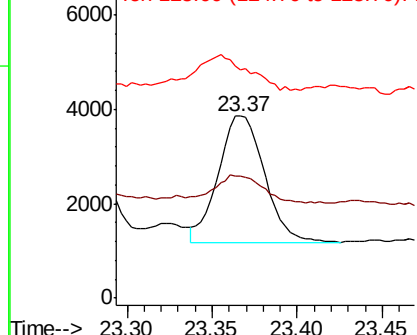
125 125.1 10.1 15.1#

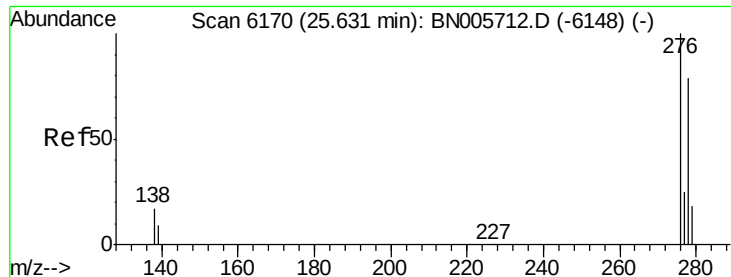


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.159 ng/ul

RT: 25.68 min Scan# 6186

Delta R.T. 0.05 min

Lab File: BN005737.D

Acq: 17 May 2019 19:34

Instrument :

BNA_N

ClientSampleId :

A5199

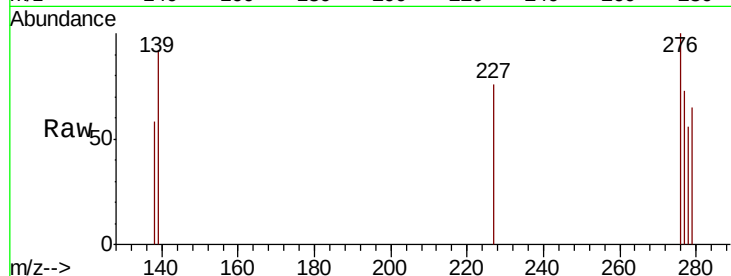
Tgt Ion: 276 Resp: 3634

Ion Ratio Lower Upper

276 100

138 17.8 15.8 23.8

227 2.7 0.1 0.1#

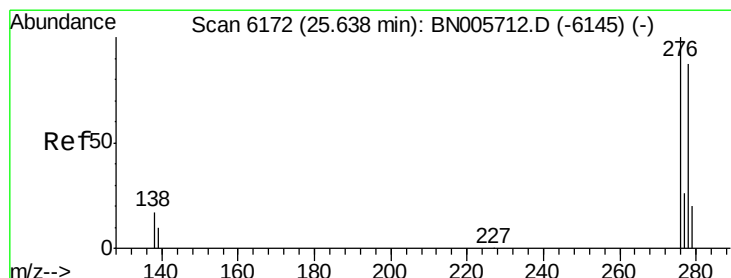
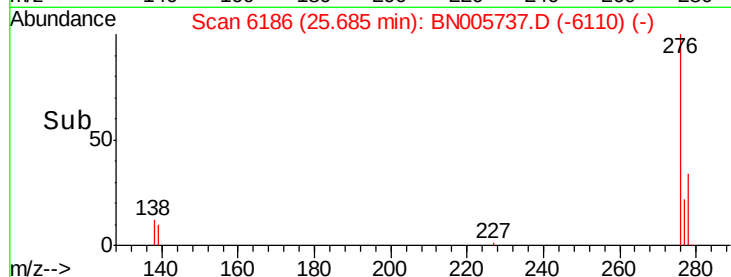
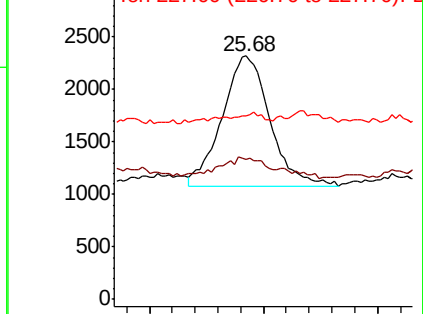


Abundance

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: 0.087 ng/ul

RT: 25.66 min Scan# 6180

Delta R.T. 0.03 min

Lab File: BN005737.D

Acq: 17 May 2019 19:34

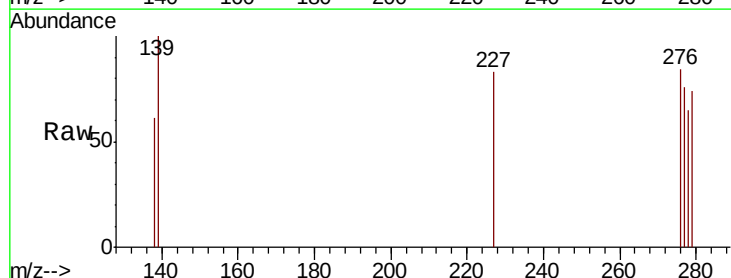
Tgt Ion: 278 Resp: 1639

Ion Ratio Lower Upper

278 100

139 154.3 12.4 18.6#

279 114.4 21.0 31.4#

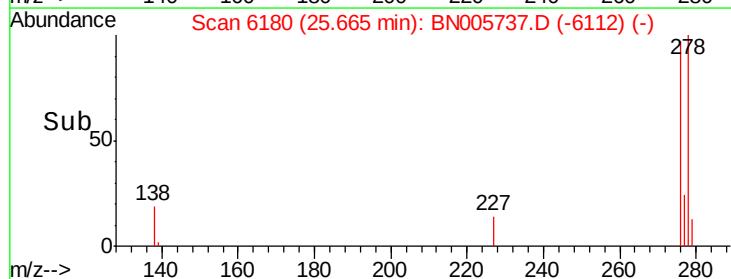
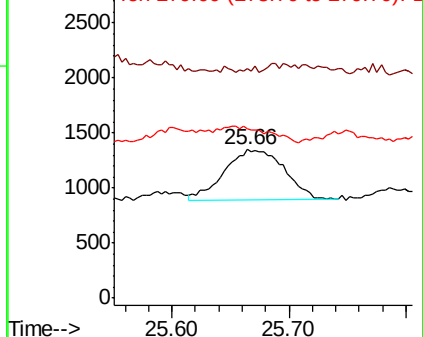


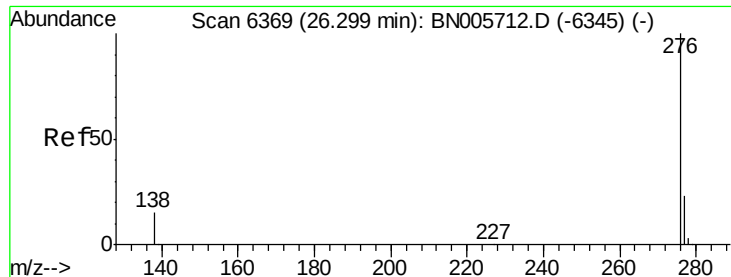
Abundance

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: 0.345 ng/ul

RT: 26.37 min Scan# 6389

Delta R.T. 0.07 min

Lab File: BN005737.D

Acq: 17 May 2019 19:34

Instrument :

BNA_N

ClientSampleId :

A5199

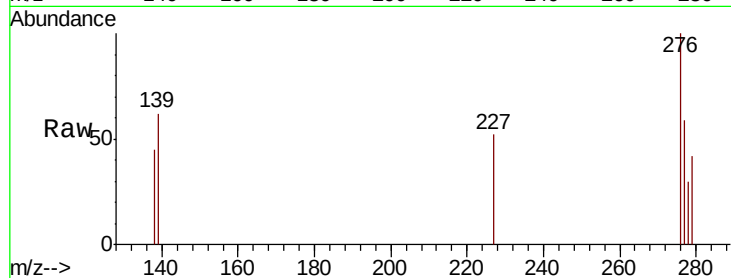
Tgt Ion: 276 Resp: 6699

Ion Ratio Lower Upper

276 100

138 45.1 15.6 23.4#

277 59.1 20.6 31.0#



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

