

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008371.D
 Acq On : 24 Oct 2019 04:05
 Operator : JU
 Sample : K5235-10
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Quant Time: Oct 24 04:53:26 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Oct 23 14:07:55 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1799	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.34	136	8700	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.21	164	5451	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.96	188	11899	0.40	ng/ul	-0.01
16) Chrysene-d12	21.17	240	10204	0.40	ng/ul	-0.01
20) Perylene-d12	23.33	264	8694	0.40	ng/ul	-0.02

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.95	152	1787	0.12	ng/ul	-0.01
14) Fluoranthene-d10	19.00	212	6480	0.16	ng/ul	-0.02

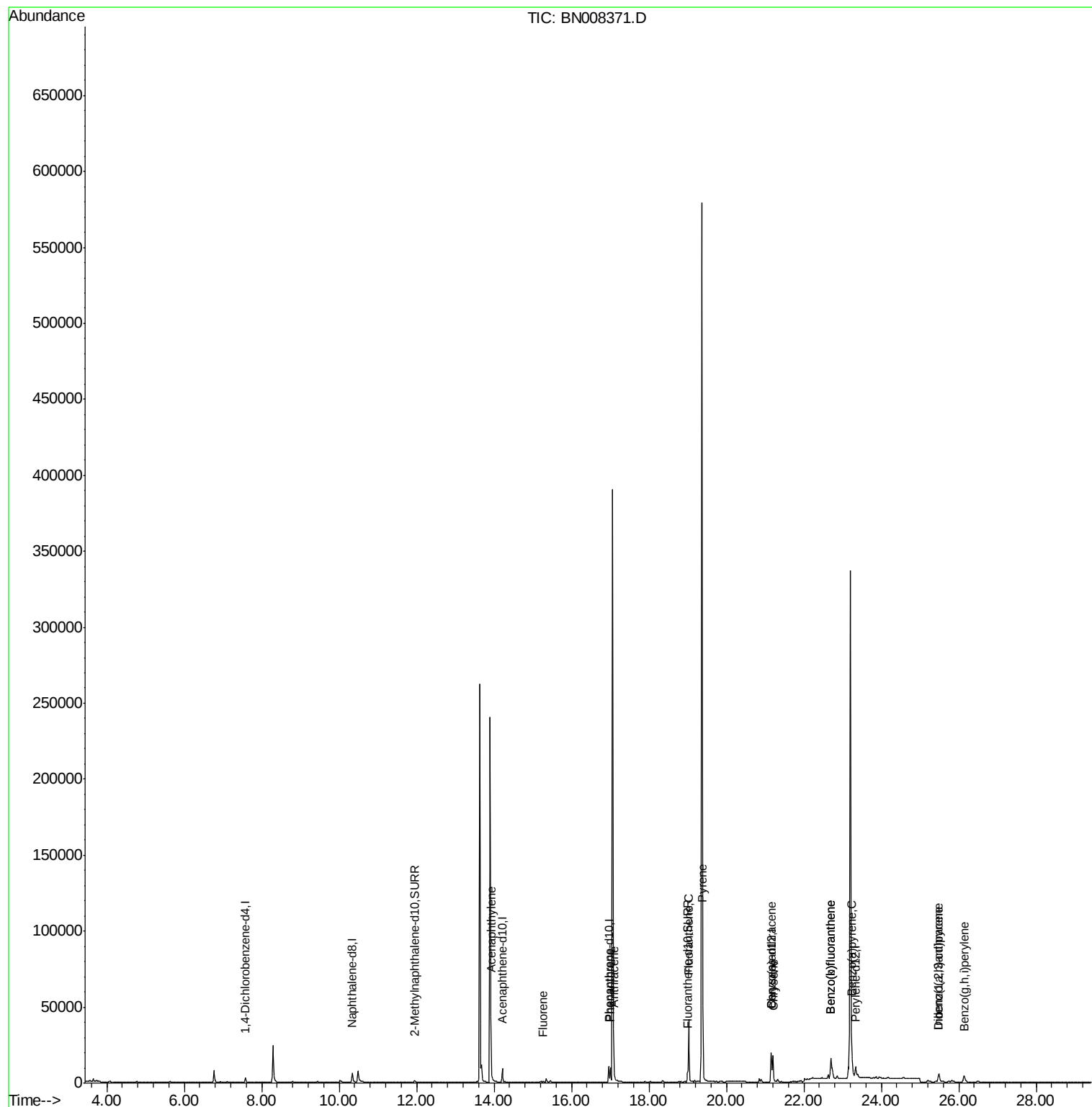
Target Compounds

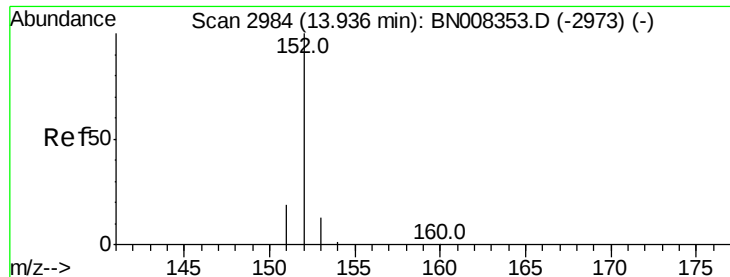
					Ovalue
7) Acenaphthylene	13.93	152	1386	0.053	ng/ul# 89
9) Fluorene	15.27	166	461	0.020	ng/ul# 93
12) Phenanthrene	17.00	178	10697	0.307	ng/ul 99
13) Anthracene	17.09	178	2148	0.070	ng/ul# 92
15) Fluoranthene	19.03	202	35219	0.765	ng/ul 98
17) Pyrene	19.39	202	33616	0.827	ng/ul 97
18) Benzo(a)anthracene	21.15	228	15114	0.407	ng/ul 97
19) Chrysene	21.20	228	19474	0.428	ng/ul 98
21) Benzo(b)fluoranthene	22.69	252	29449	1.041	ng/ul 96
22) Benzo(k)fluoranthene	22.69	252	29449	0.919	ng/ul# 95
23) Benzo(a)pyrene	23.24	252	13103	0.440	ng/ul 98
24) Indeno(1,2,3-cd)pyrene	25.48	276	8631	0.246	ng/ul# 95
25) Dibenzo(a,h)anthracene	25.49	278	1864	0.067	ng/ul# 71
26) Benzo(g,h,i)perylene	26.14	276	8616	0.268	ng/ul 95

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

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#7

Acenaphthylene

Concen: 0.053 ng/ul

RT: 13.93 min Scan# 2982

Delta R.T. -0.02 min

Lab File: BN008371.D

Acq: 24 Oct 2019 04:05

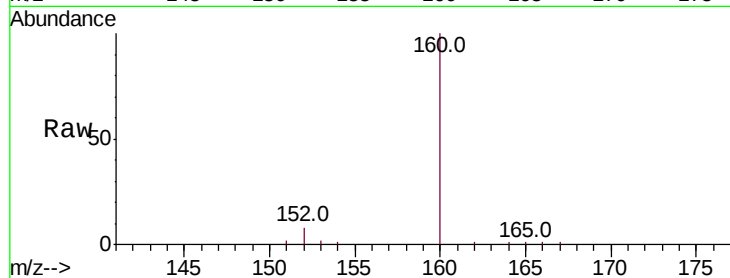
Tot Ion:152 Resp: 1386

Ion Ratio Lower Upper

152 100

151 24.4 16.2 24.4#

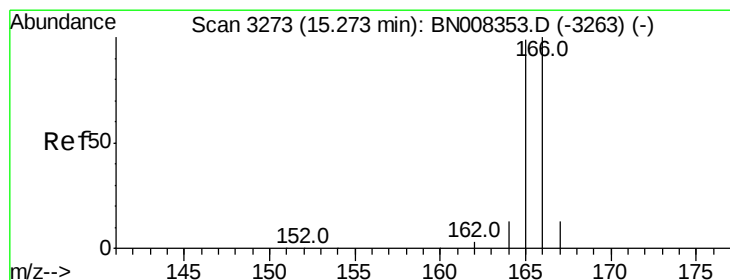
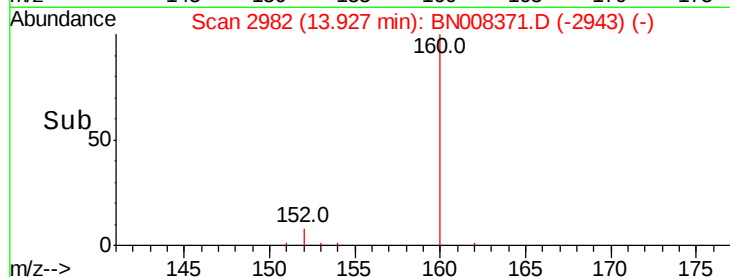
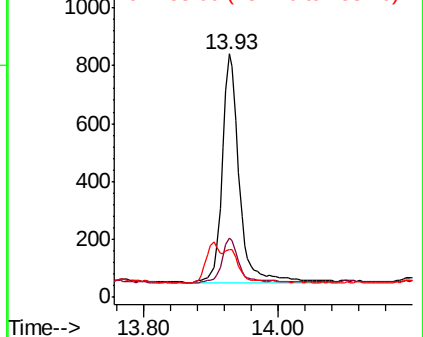
153 19.5 11.0 16.4#



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



#9

Fluorene

Concen: 0.020 ng/ul

RT: 15.27 min Scan# 3272

Delta R.T. -0.01 min

Lab File: BN008371.D

Acq: 24 Oct 2019 04:05

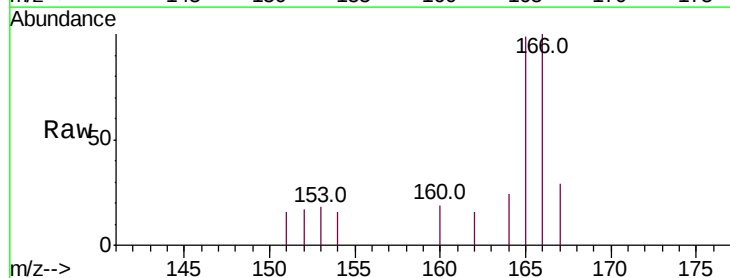
Tgt Ion:166 Resp: 461

Ion Ratio Lower Upper

166 100

165 98.9 76.6 115.0

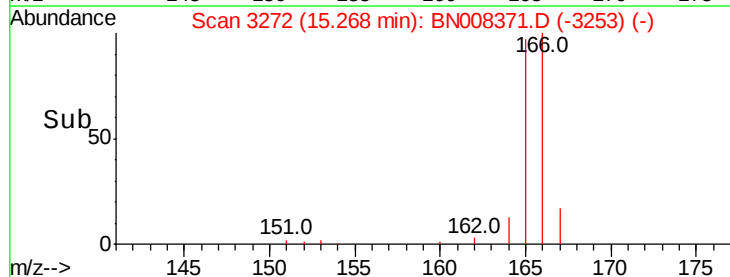
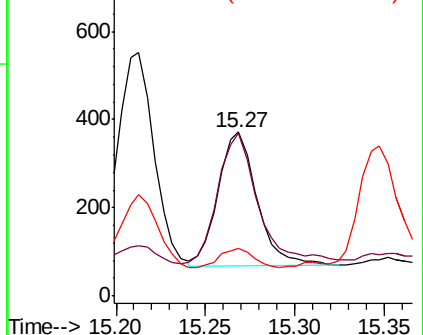
167 29.0 11.7 17.5#

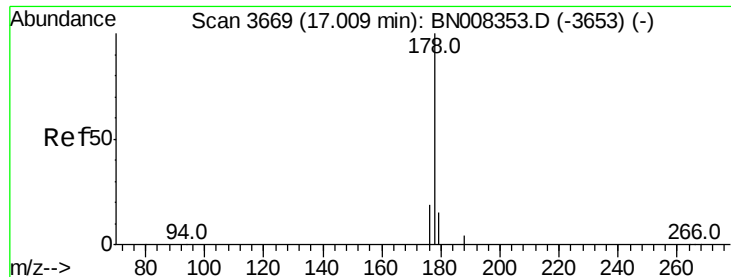


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.307 ng/ul

RT: 17.00 min Scan# 3667

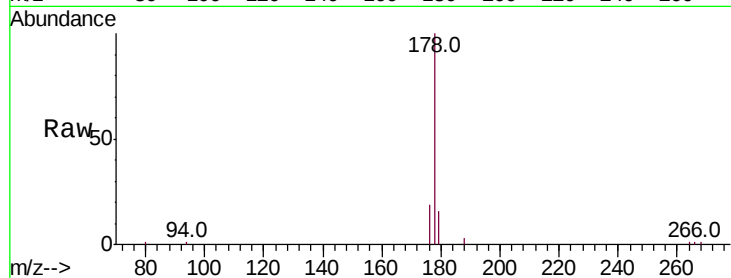
Delta R.T. -0.02 min

Lab File: BN008371.D

Acq: 24 Oct 2019 04:05

Tot Ion:178 Resp: 10697

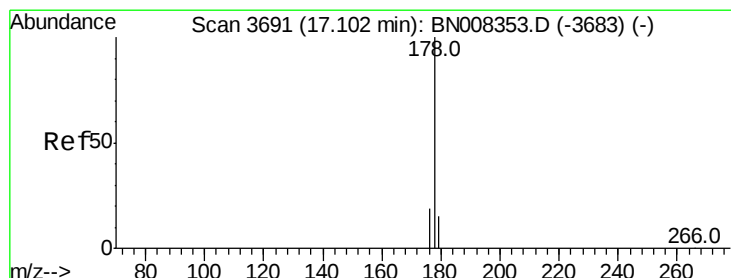
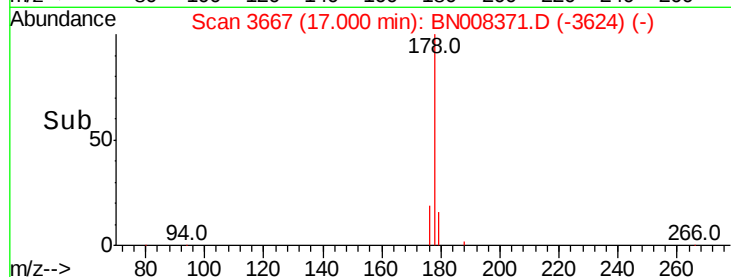
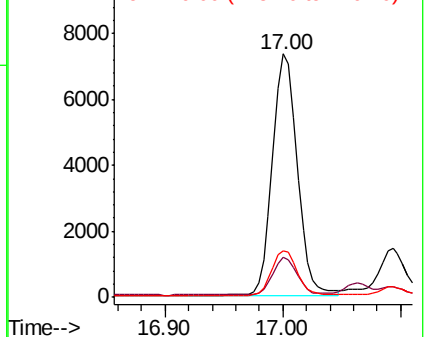
Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.8	19.2
176	19.2	15.4	23.2



Abundance Ion 178.00 (177.70 to 178.70): E

10000 Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.070 ng/ul

RT: 17.09 min Scan# 3689

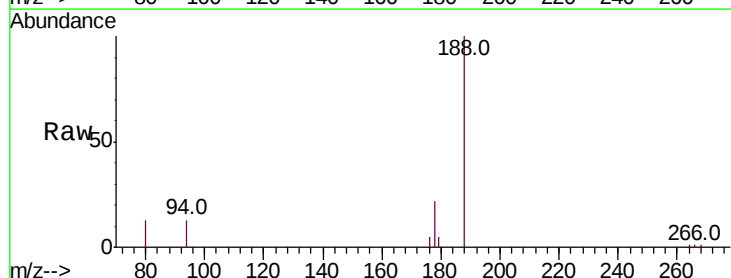
Delta R.T. -0.02 min

Lab File: BN008371.D

Acq: 24 Oct 2019 04:05

Tgt Ion:178 Resp: 2148

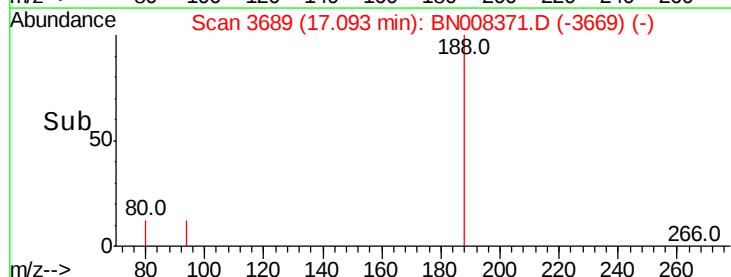
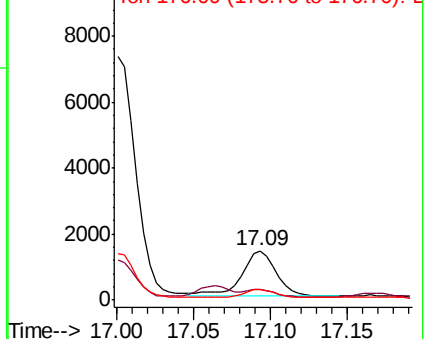
Ion	Ratio	Lower	Upper
178	100		
179	20.9	13.0	19.6#
176	21.2	15.0	22.6

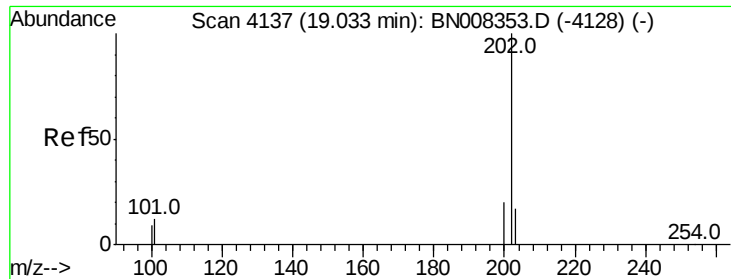


Abundance Ion 178.00 (177.70 to 178.70): E

10000 Ion 179.00 (178.70 to 179.70): E

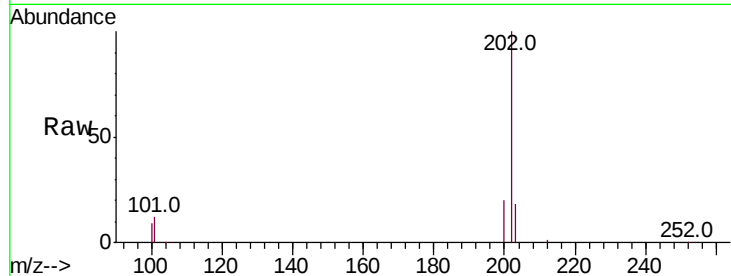
Ion 176.00 (175.70 to 176.70): E



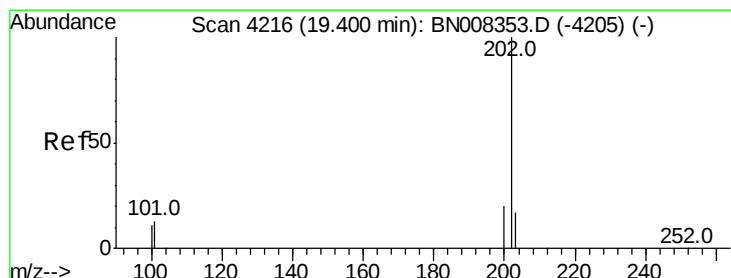
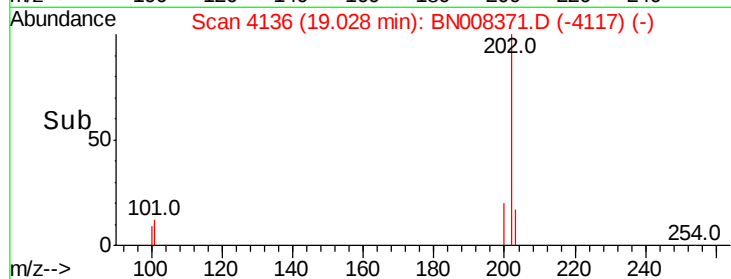
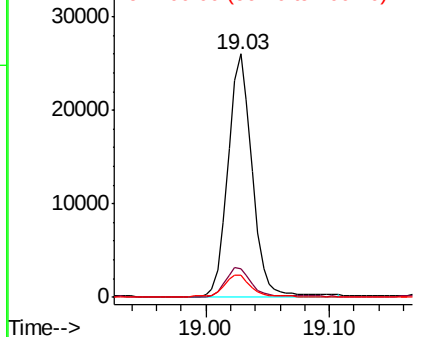


#15
Fluoranthene
Concen: 0.765 ng/ul
RT: 19.03 min Scan# 4136
Delta R.T. -0.01 min
Lab File: BN008371.D
Acq: 24 Oct 2019 04:05

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	31.2
100	9.0	0.0	28.5

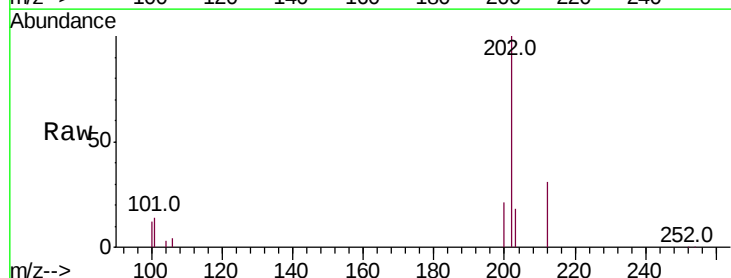


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

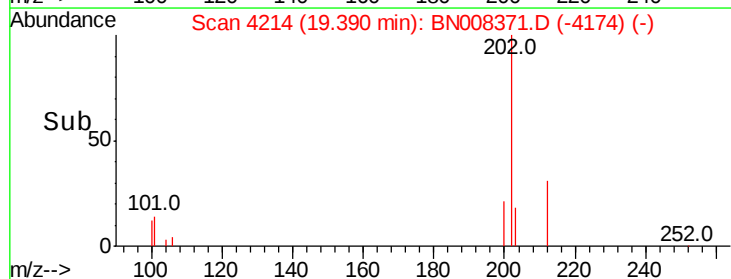
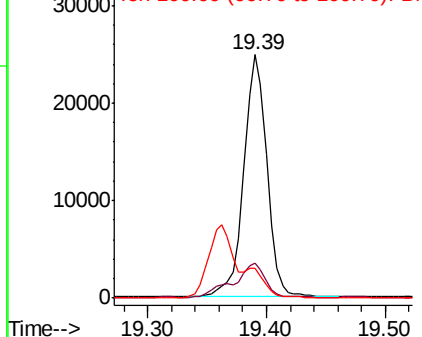


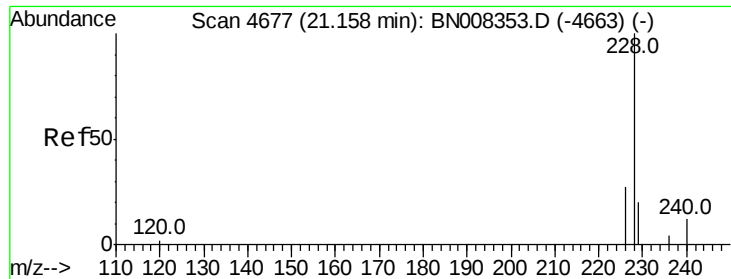
#17
Pyrene
Concen: 0.827 ng/ul
RT: 19.39 min Scan# 4214
Delta R.T. -0.01 min
Lab File: BN008371.D
Acq: 24 Oct 2019 04:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	10.9	16.3
100	12.3	8.7	13.1



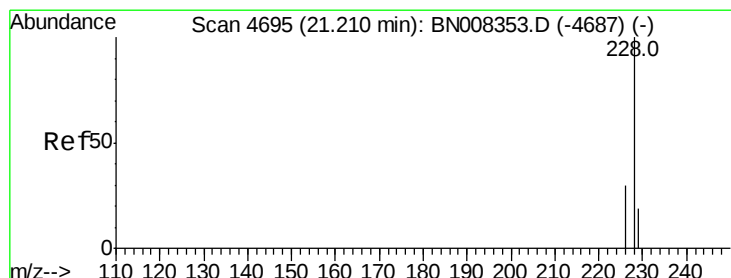
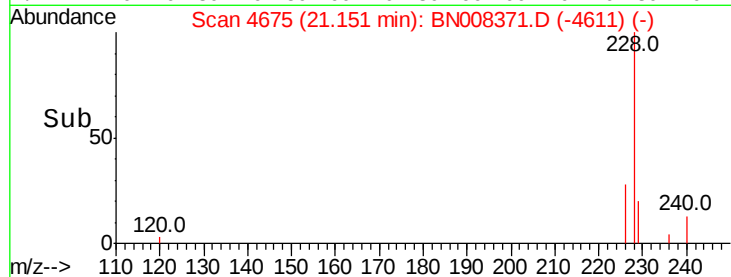
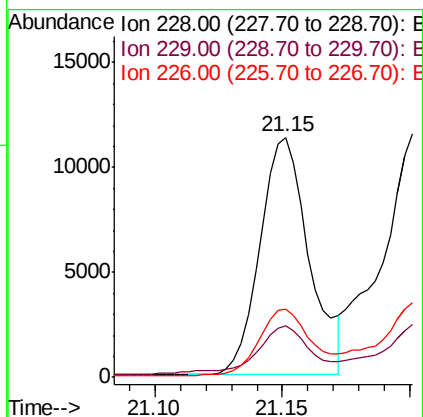
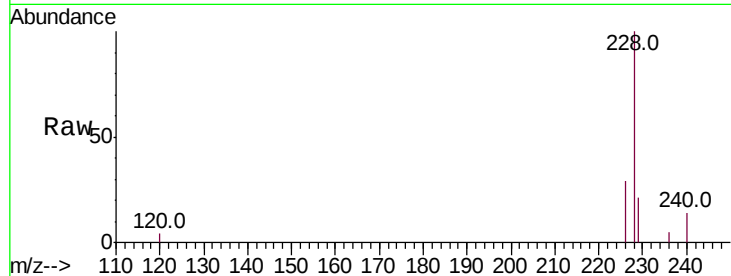
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





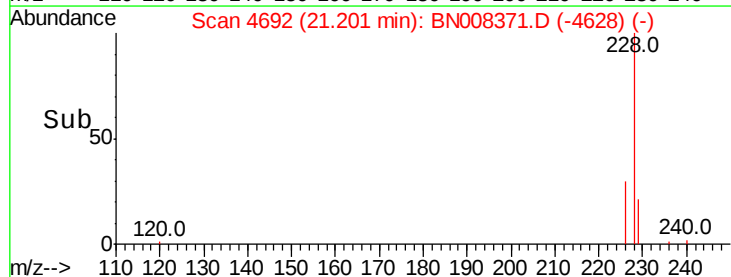
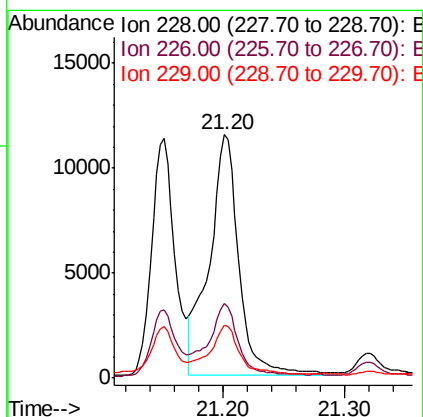
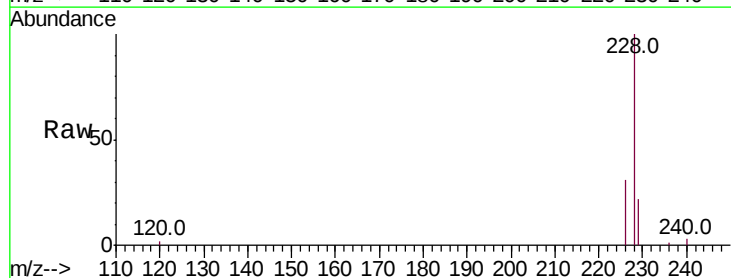
#18
Benzo(a)anthracene
Concen: 0.407 ng/ul
RT: 21.15 min Scan# 4675
Delta R.T. -0.01 min
Lab File: BN008371.D
Acq: 24 Oct 2019 04:05

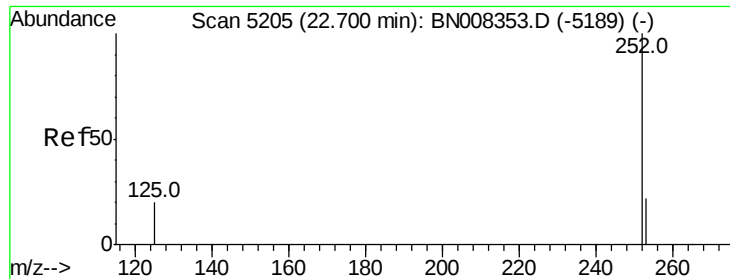
Tot Ion:228 Resp: 15114
Ion Ratio Lower Upper
228 100
229 21.3 16.2 24.2
226 28.6 21.4 32.0



#19
Chrysene
Concen: 0.428 ng/ul
RT: 21.20 min Scan# 4692
Delta R.T. -0.01 min
Lab File: BN008371.D
Acq: 24 Oct 2019 04:05

Tgt Ion:228 Resp: 19474
Ion Ratio Lower Upper
228 100
226 30.7 24.1 36.1
229 21.5 16.2 24.2





#21

Benzo(b)fluoranthene

Concen: 1.041 ng/ul

RT: 22.69 min Scan# 5203

Delta R.T. -0.01 min

Lab File: BN008371.D

Acq: 24 Oct 2019 04:05

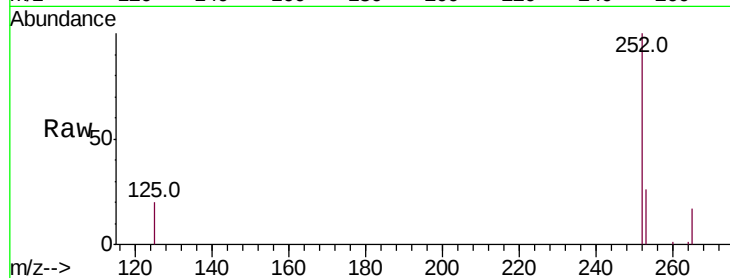
Tot Ion:252 Resp: 29449

Ion Ratio Lower Upper

252 100

253 25.8 0.0 53.4

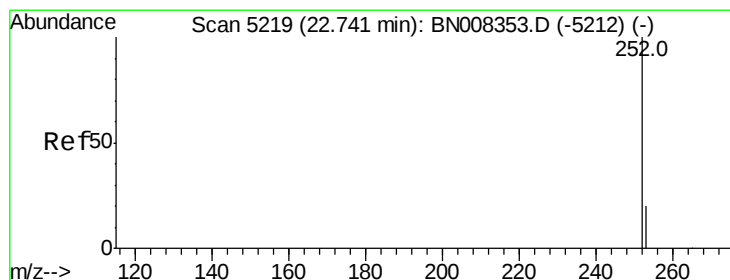
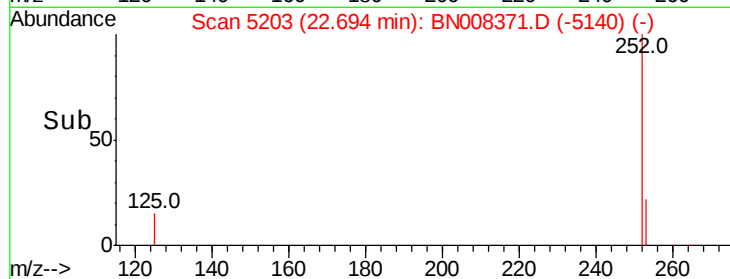
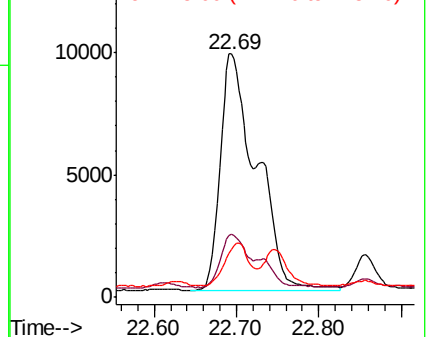
125 19.7 0.0 32.4



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: 0.919 ng/ul

RT: 22.69 min Scan# 5203

Delta R.T. -0.06 min

Lab File: BN008371.D

Acq: 24 Oct 2019 04:05

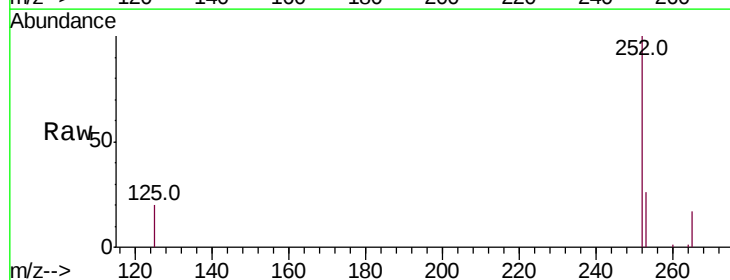
Tgt Ion:252 Resp: 29449

Ion Ratio Lower Upper

252 100

253 25.8 21.3 31.9

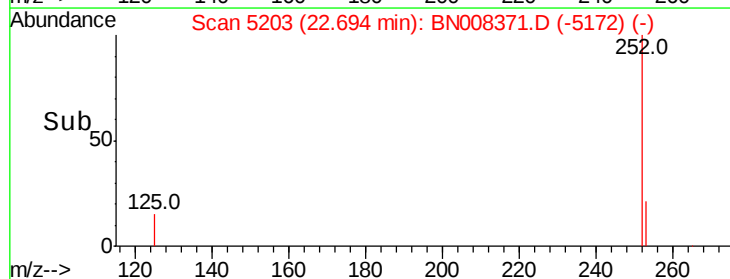
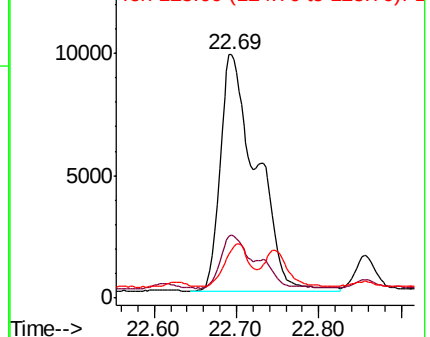
125 19.7 12.3 18.5#

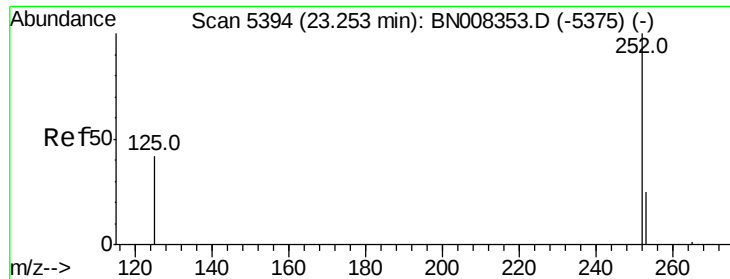


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.440 ng/ul

RT: 23.24 min Scan# 5389

Delta R.T. -0.02 min

Lab File: BN008371.D

Acq: 24 Oct 2019 04:05

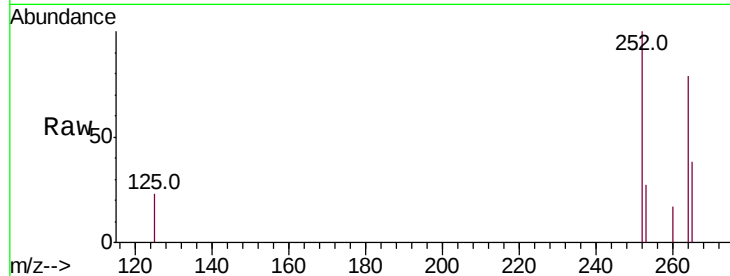
Tot Ion:252 Resp: 13103

Ion Ratio Lower Upper

252 100

253 26.9 22.8 34.2

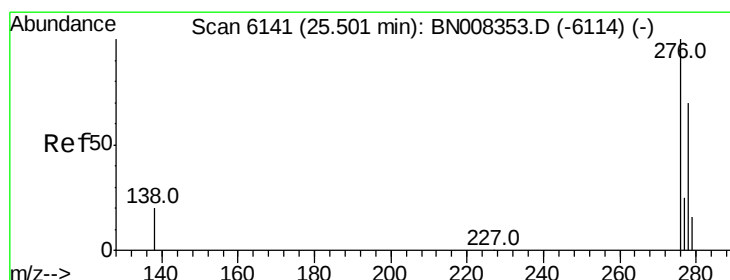
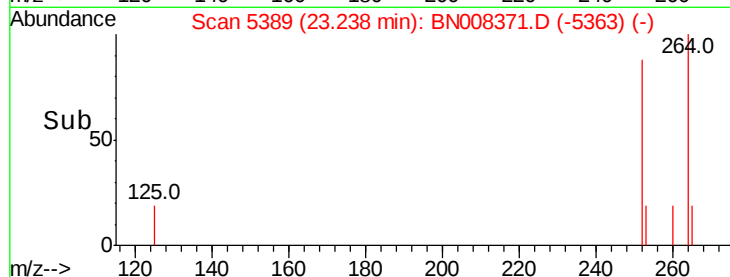
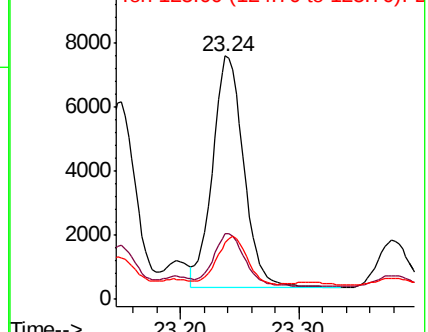
125 23.5 18.4 27.6



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.246 ng/ul

RT: 25.48 min Scan# 6136

Delta R.T. -0.03 min

Lab File: BN008371.D

Acq: 24 Oct 2019 04:05

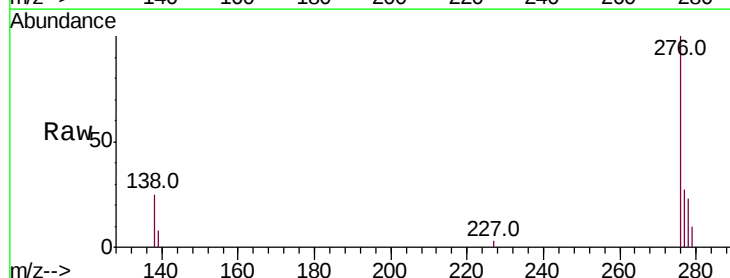
Tgt Ion:276 Resp: 8631

Ion Ratio Lower Upper

276 100

138 22.2 16.1 24.1

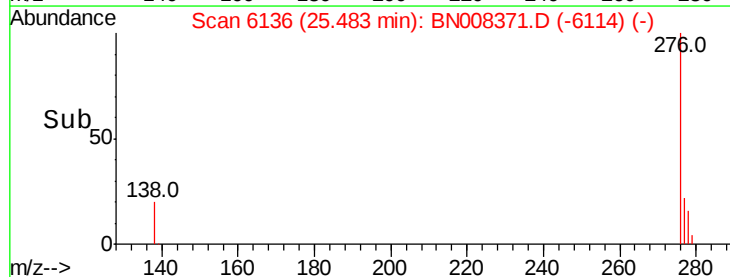
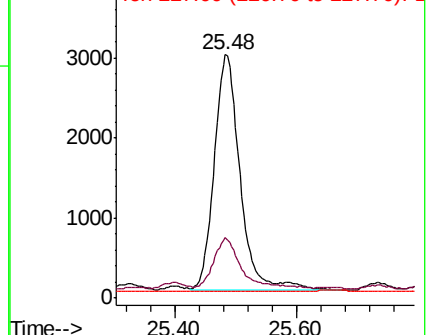
227 0.1 0.2 0.2#

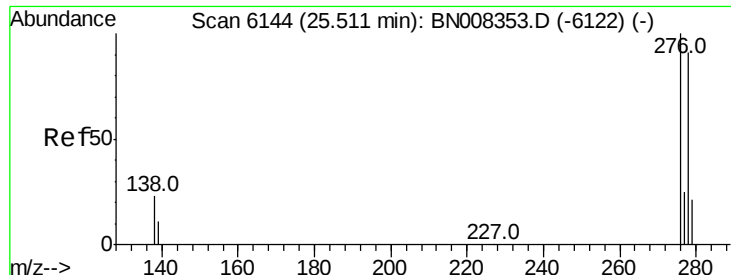


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.067 ng/ul

RT: 25.49 min Scan# 6138

Delta R.T. -0.03 min

Lab File: BN008371.D

Acq: 24 Oct 2019 04:05

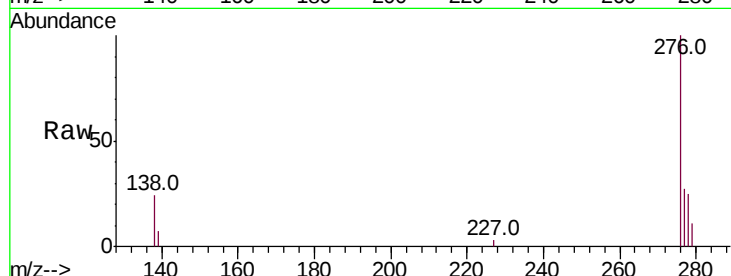
Tot Ion:278 Resp: 1864

Ion Ratio Lower Upper

278 100

139 29.9 15.0 22.6#

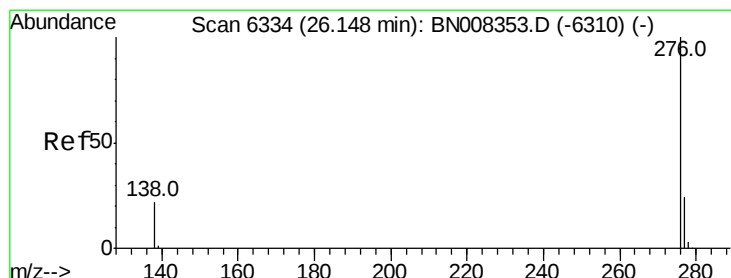
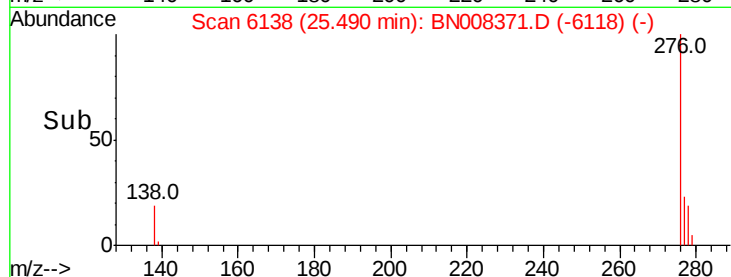
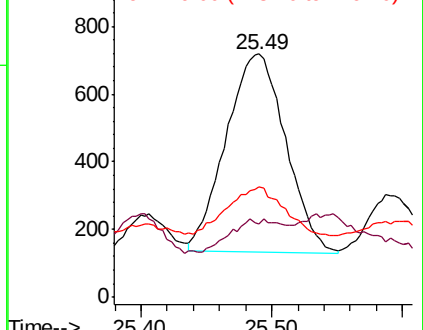
279 45.2 22.4 33.6#



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: 0.268 ng/ul

RT: 26.14 min Scan# 6331

Delta R.T. -0.03 min

Lab File: BN008371.D

Acq: 24 Oct 2019 04:05

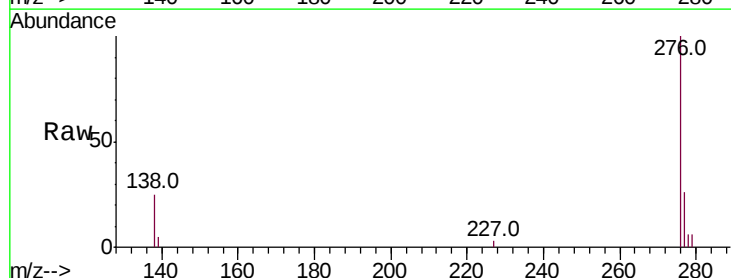
Tgt Ion:276 Resp: 8616

Ion Ratio Lower Upper

276 100

138 24.9 17.0 25.4

277 26.5 20.4 30.6



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

