

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009234.D
 Acq On : 28 Dec 2019 18:41
 Operator : JU
 Sample : K6278-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 29 04:43:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Dec 29 04:38:59 2019
 Response via : Initial Calibration

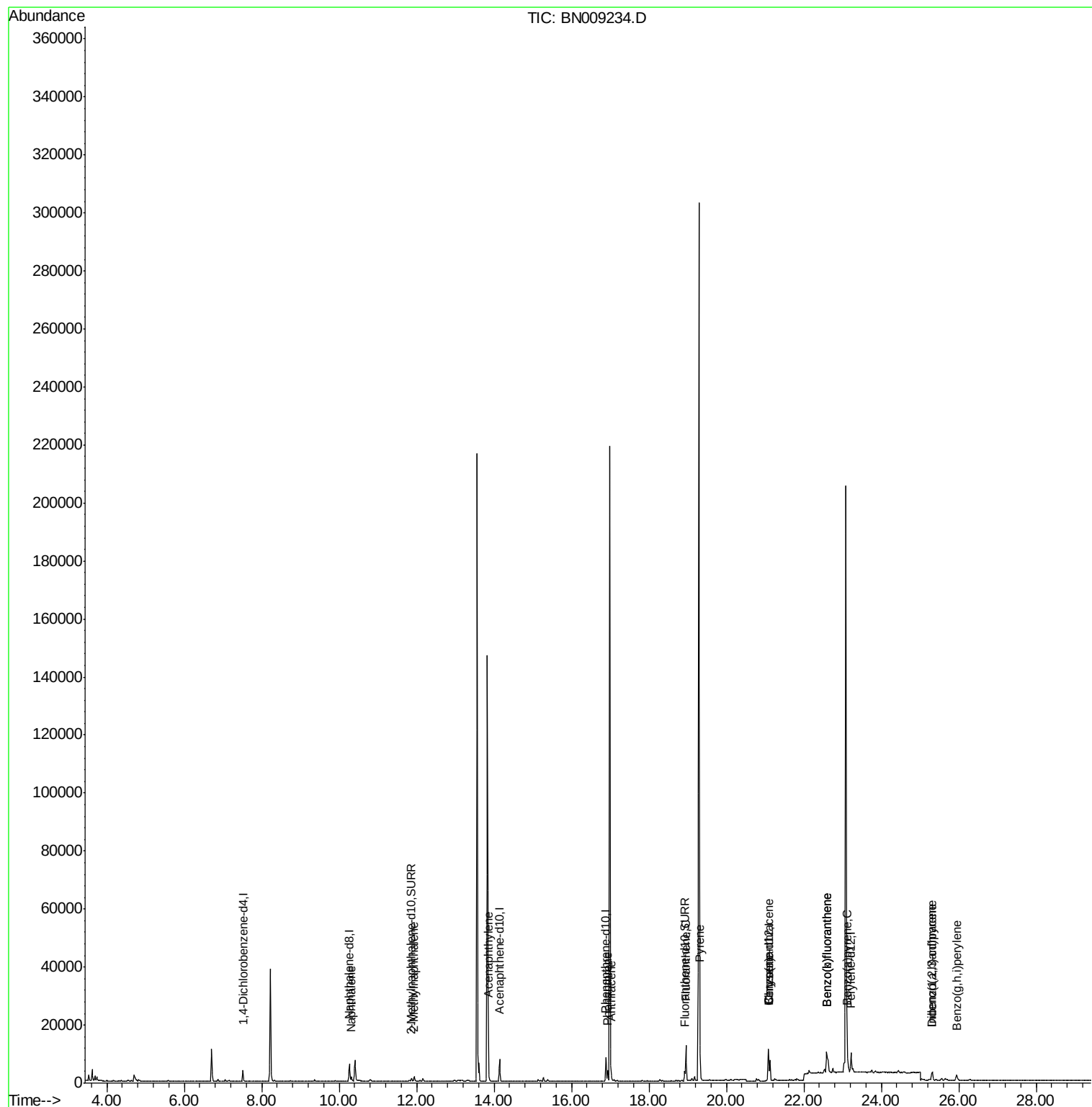
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	1957	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	7198	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	4179	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	9191	0.40	ng/ul	0.00
16) Chrysene-d12	21.09	240	7503	0.40	ng/ul	0.00
20) Perylene-d12	23.22	264	7769	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	1263	0.10	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	3536	0.13	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	1875	0.086	ng/ul#	89
5) 2-Methylnaphthalene	11.93	142	1095	0.066	ng/ul	100
7) Acenaphthylene	13.86	152	1643	0.075	ng/ul#	88
12) Phenanthrene	16.93	178	3852	0.121	ng/ul	97
13) Anthracene	17.02	178	1438	0.050	ng/ul#	88
15) Fluoranthene	18.95	202	9983	0.273	ng/ul	98
17) Pyrene	19.32	202	9083	0.237	ng/ul	98
18) Benzo(a)anthracene	21.07	228	6424	0.193	ng/ul	92
19) Chrysene	21.07	228	6424	0.192	ng/ul	95
21) Benzo(b)fluoranthene	22.59	252	14629	0.403	ng/ul	88
22) Benzo(k)fluoranthene	22.59	252	14629	0.400	ng/ul#	88
23) Benzo(a)pyrene	23.12	252	5888	0.185	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	25.31	276	4420	0.128	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.32	278	1292	0.047	ng/ul#	34
26) Benzo(g,h,i)perylene	25.94	276	3702	0.127	ng/ul#	89

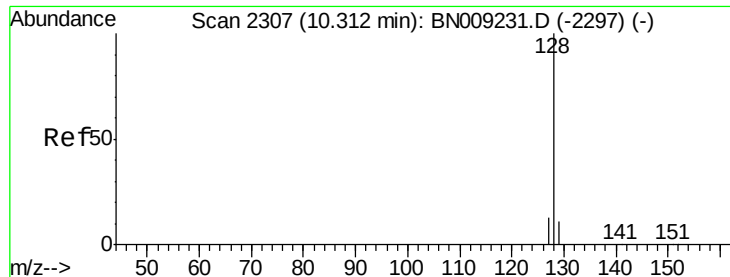
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.086 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BN009234.D

Acq: 28 Dec 2019 18:41

Instrument :

BNA_N

ClientSampleId :

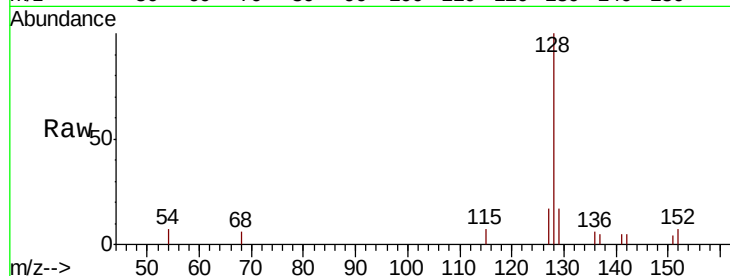
Tot Ion:128 Resp: 1875

Ion Ratio Lower Upper

128 100

129 16.9 9.0 13.4#

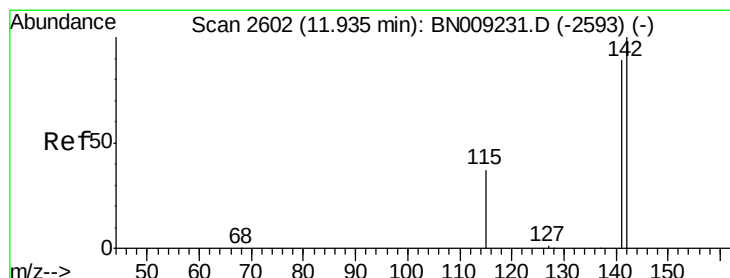
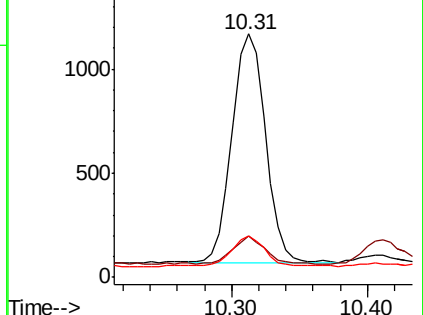
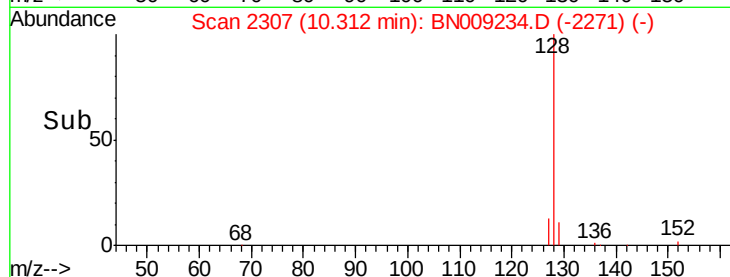
127 16.8 10.9 16.3#



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: 0.066 ng/ul

RT: 11.93 min Scan# 2602

Delta R.T. 0.00 min

Lab File: BN009234.D

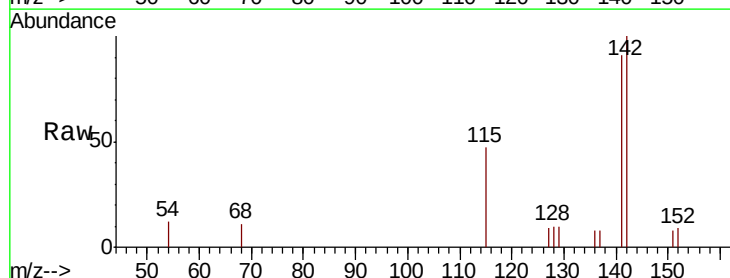
Acq: 28 Dec 2019 18:41

Tgt Ion:142 Resp: 1095

Ion Ratio Lower Upper

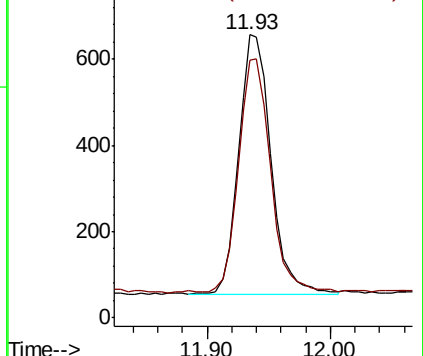
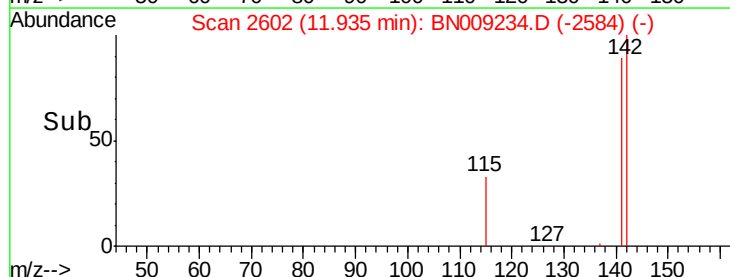
142 100

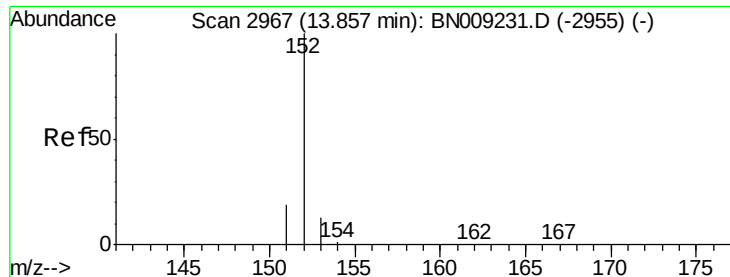
141 87.9 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.075 ng/ul

RT: 13.86 min Scan# 2967

Delta R.T. 0.00 min

Lab File: BN009234.D

Acq: 28 Dec 2019 18:41

Instrument :

BNA_N

ClientSampleId :

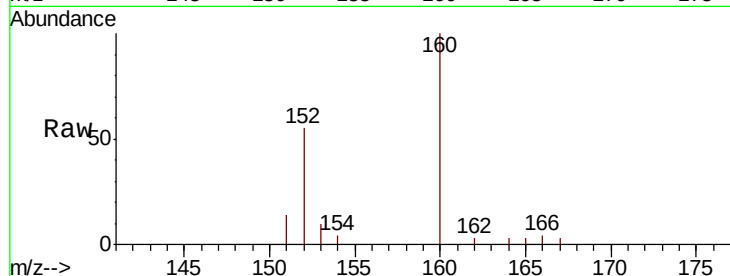
Tot Ion:152 Resp: 1643

Ion Ratio Lower Upper

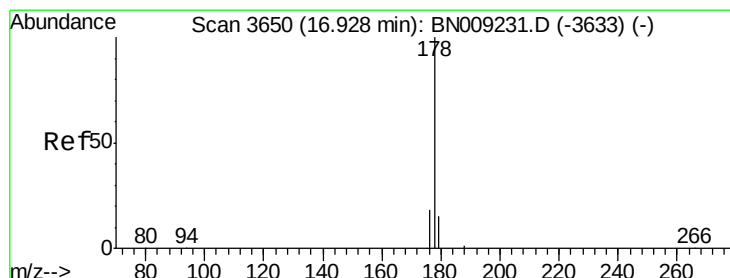
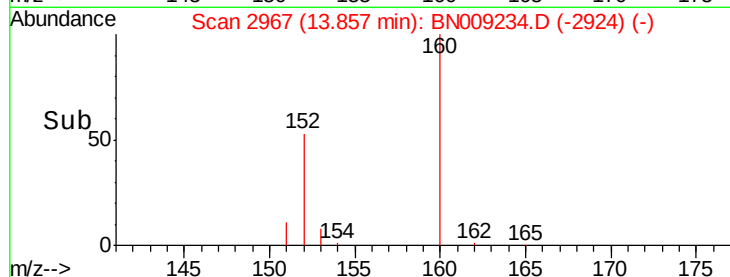
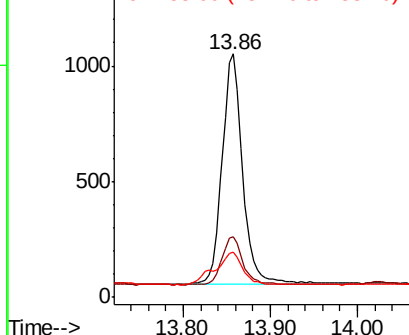
152 100

151 24.8 15.7 23.5#

153 18.5 10.8 16.2#



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



#12

Phenanthrene

Concen: 0.121 ng/ul

RT: 16.93 min Scan# 3650

Delta R.T. 0.00 min

Lab File: BN009234.D

Acq: 28 Dec 2019 18:41

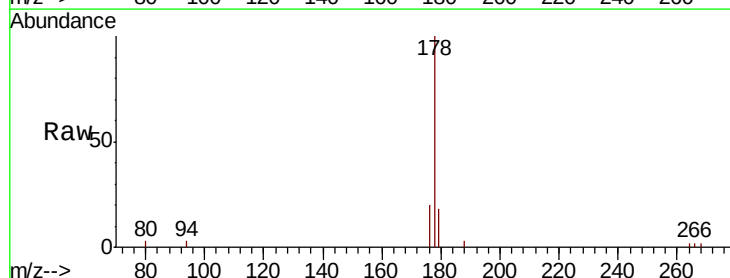
Tgt Ion:178 Resp: 3852

Ion Ratio Lower Upper

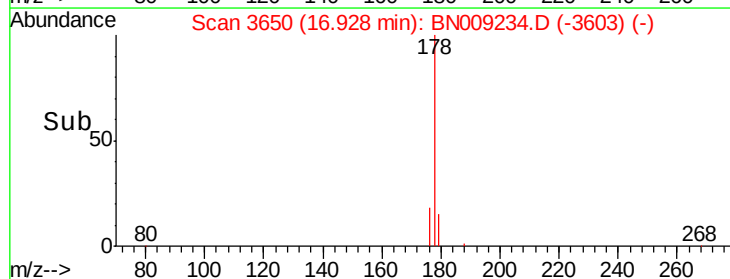
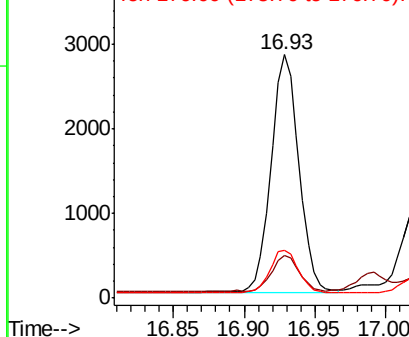
178 100

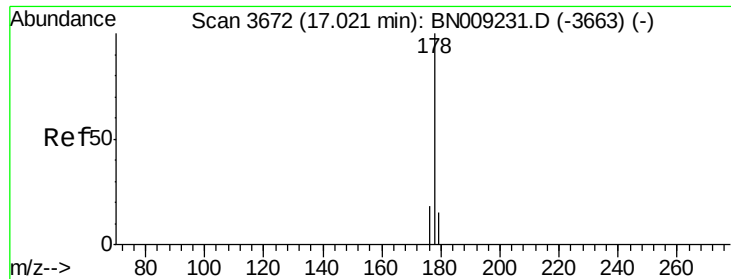
179 17.5 12.3 18.5

176 19.5 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





#13

Anthracene

Concen: 0.050 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. 0.00 min

Lab File: BN009234.D

Acq: 28 Dec 2019 18:41

Instrument :

BNA_N

ClientSampleId :

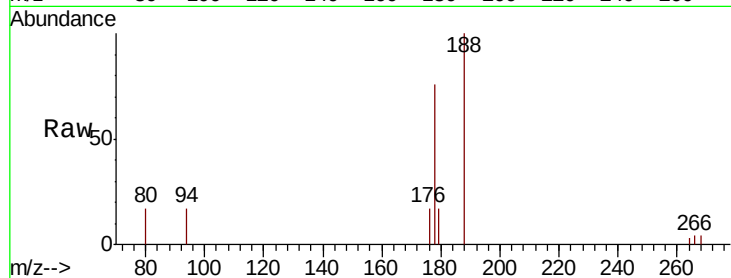
Tot Ion:178 Resp: 1438

Ion Ratio Lower Upper

178 100

179 22.5 12.5 18.7#

176 22.2 14.9 22.3

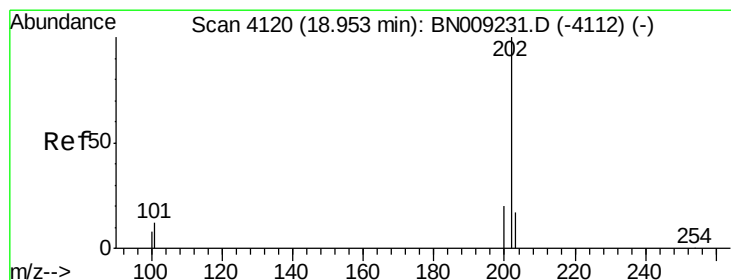
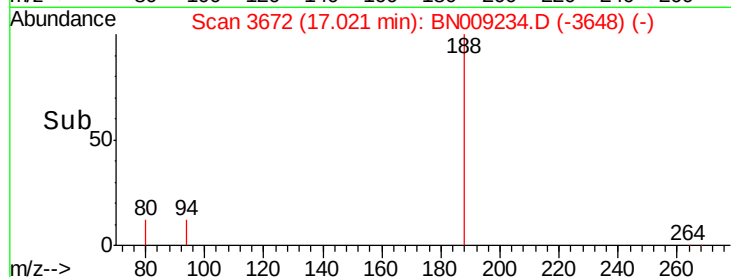
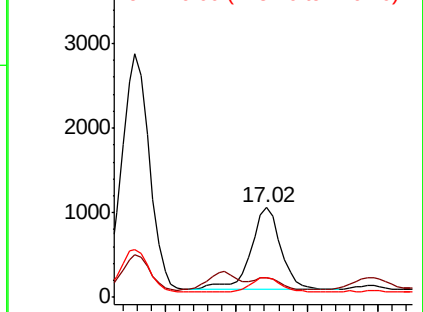


Abundance

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: 0.273 ng/ul

RT: 18.95 min Scan# 4120

Delta R.T. 0.00 min

Lab File: BN009234.D

Acq: 28 Dec 2019 18:41

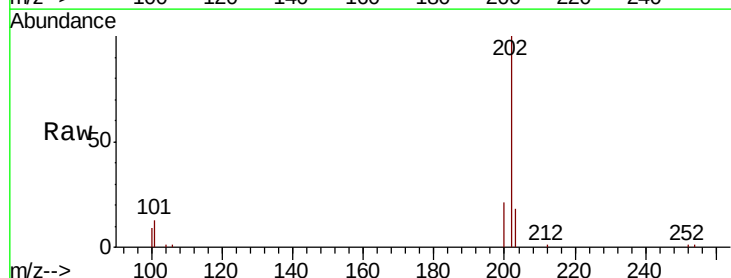
Tgt Ion:202 Resp: 9983

Ion Ratio Lower Upper

202 100

101 12.8 0.0 31.5

100 9.2 0.0 28.9

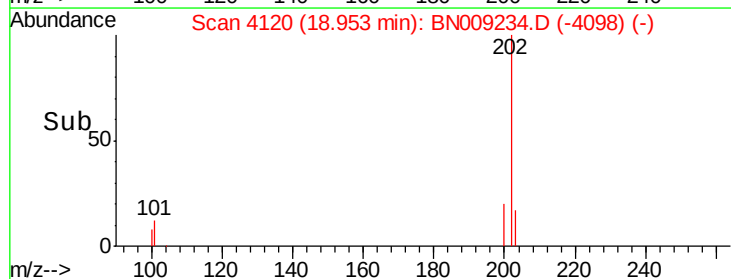
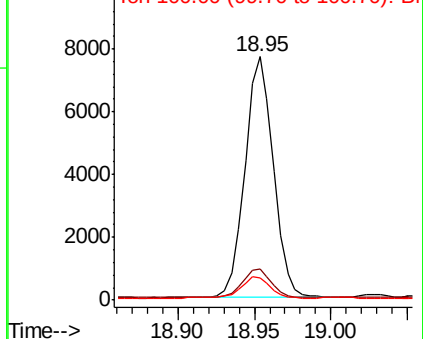


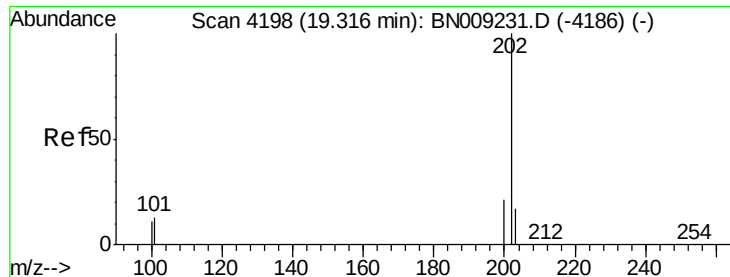
Abundance

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

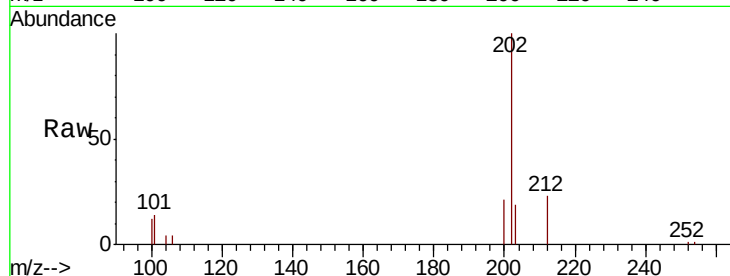




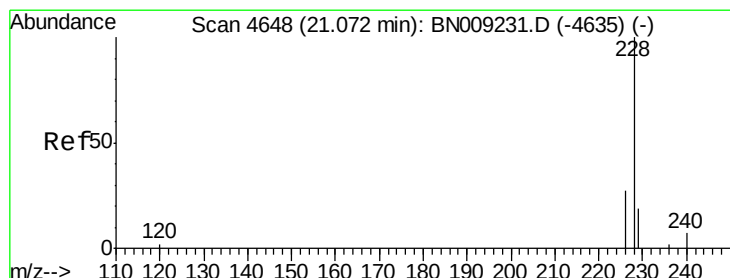
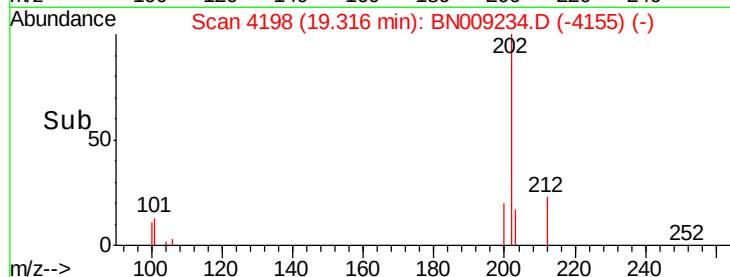
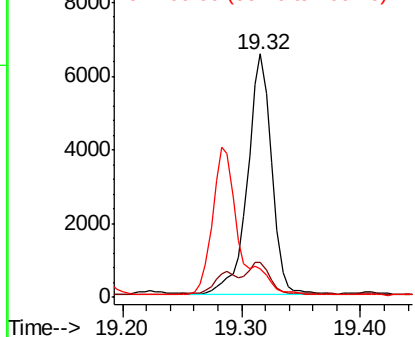
#17
 Pvrene
 Concen: 0.237 ng/ul
 RT: 19.32 min Scan# 4198
 Delta R.T. 0.00 min
 Lab File: BN009234.D
 Acq: 28 Dec 2019 18:41

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:202 Resp: 9083
 Ion Ratio Lower Upper
 202 100
 101 14.3 10.9 16.3
 100 11.8 9.0 13.6

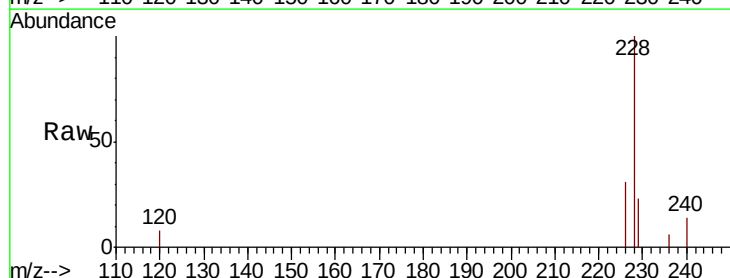


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

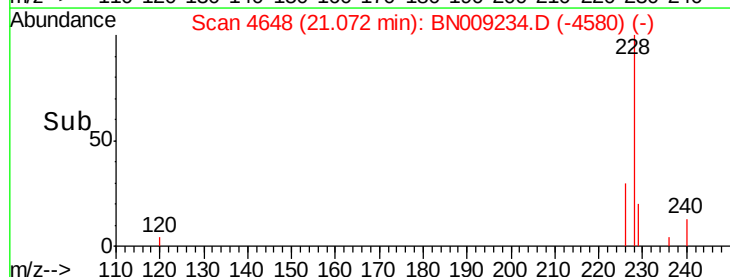
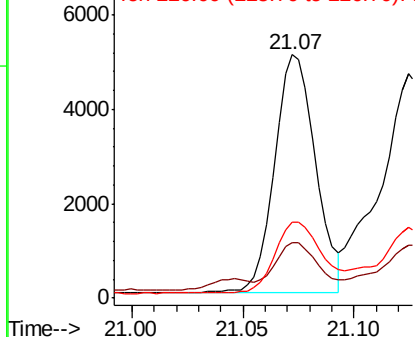


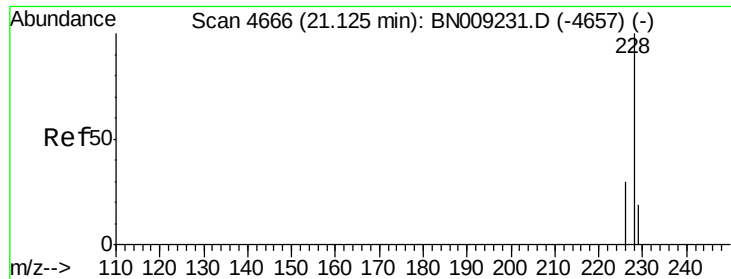
#18
 Benzo(a)anthracene
 Concen: 0.193 ng/ul
 RT: 21.07 min Scan# 4648
 Delta R.T. 0.00 min
 Lab File: BN009234.D
 Acq: 28 Dec 2019 18:41

Tgt Ion:228 Resp: 6424
 Ion Ratio Lower Upper
 228 100
 229 22.9 15.5 23.3
 226 31.3 21.7 32.5



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: 0.192 ng/ul

RT: 21.07 min Scan# 4648

Delta R.T. -0.05 min

Lab File: BN009234.D

Acq: 28 Dec 2019 18:41

Instrument :

BNA_N

ClientSampleId :

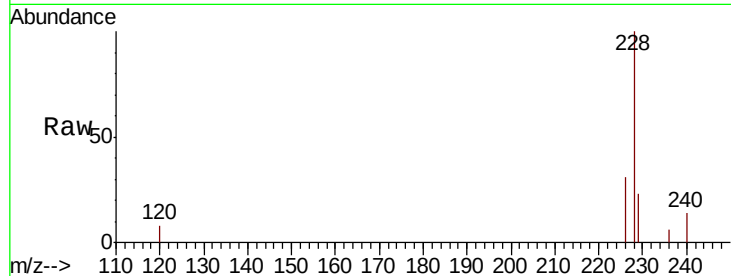
Tot Ion:228 Resp: 6424

Ion Ratio Lower Upper

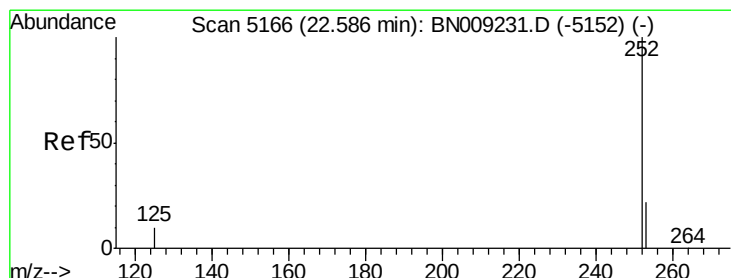
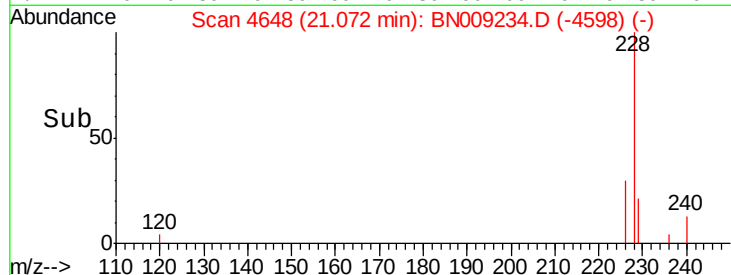
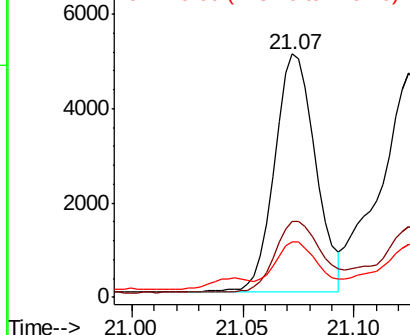
228 100

226 31.3 23.7 35.5

229 22.9 15.4 23.0



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: 0.403 ng/ul

RT: 22.59 min Scan# 5167

Delta R.T. 0.00 min

Lab File: BN009234.D

Acq: 28 Dec 2019 18:41

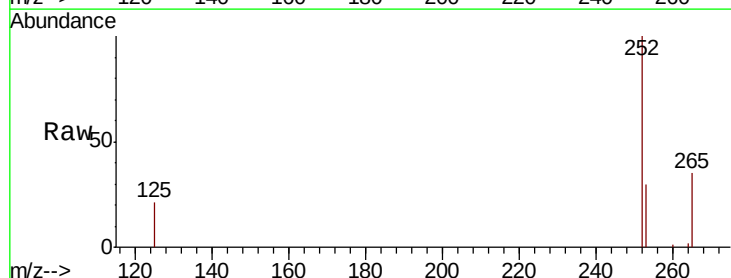
Tgt Ion:252 Resp: 14629

Ion Ratio Lower Upper

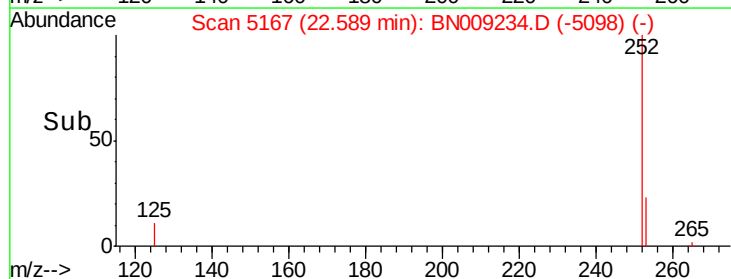
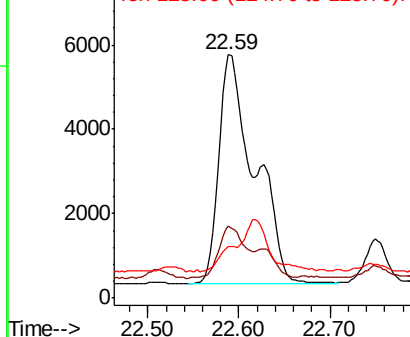
252 100

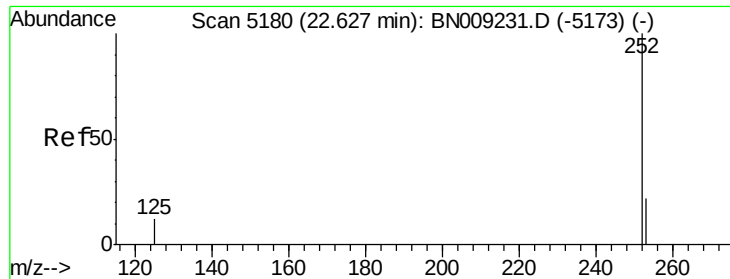
253 29.6 0.0 48.2

125 21.0 0.0 30.0



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: 0.400 ng/ul

RT: 22.59 min Scan# 5167

Delta R.T. -0.04 min

Lab File: BN009234.D

Acq: 28 Dec 2019 18:41

Instrument :

BNA_N

ClientSampleId :

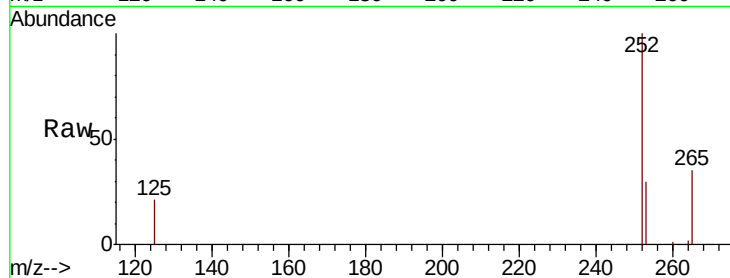
Tot Ion:252 Resp: 14629

Ion Ratio Lower Upper

252 100

253 29.6 19.4 29.0#

125 21.0 12.4 18.6#

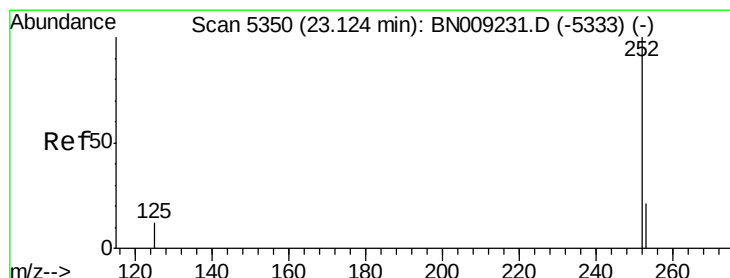
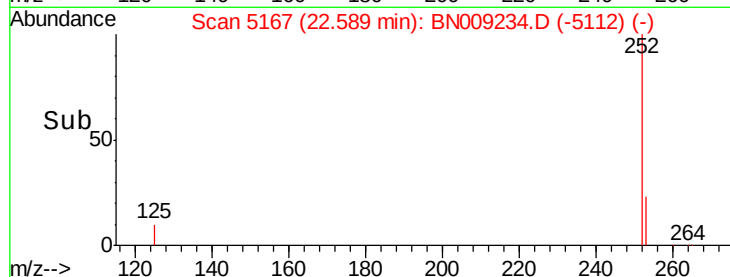
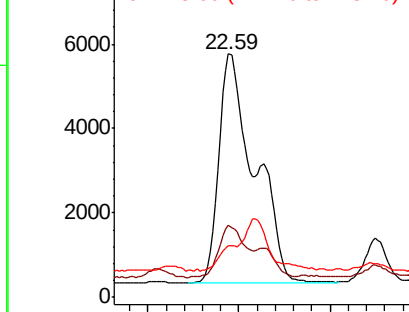


Abundance

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: 0.185 ng/ul

RT: 23.12 min Scan# 5350

Delta R.T. 0.00 min

Lab File: BN009234.D

Acq: 28 Dec 2019 18:41

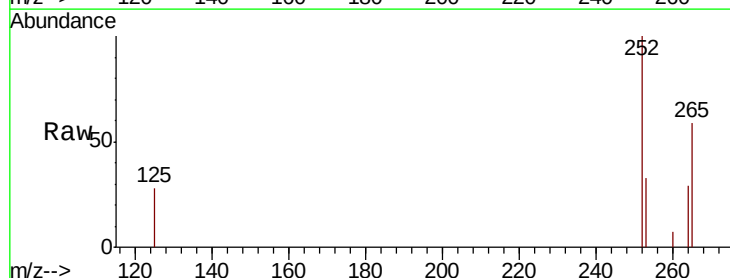
Tgt Ion:252 Resp: 5888

Ion Ratio Lower Upper

252 100

253 32.7 20.2 30.4#

125 27.6 13.2 19.8#

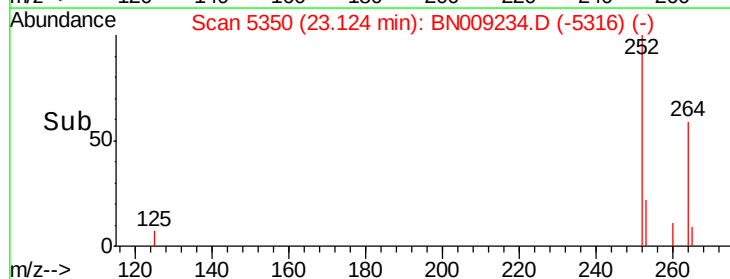
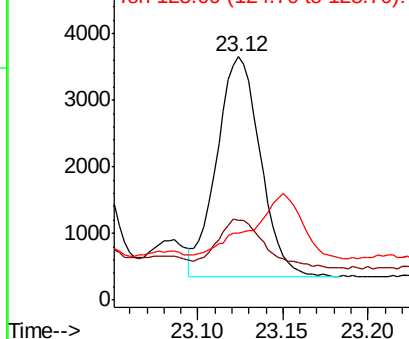


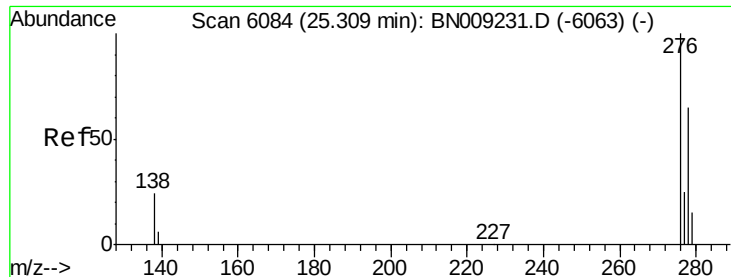
Abundance

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



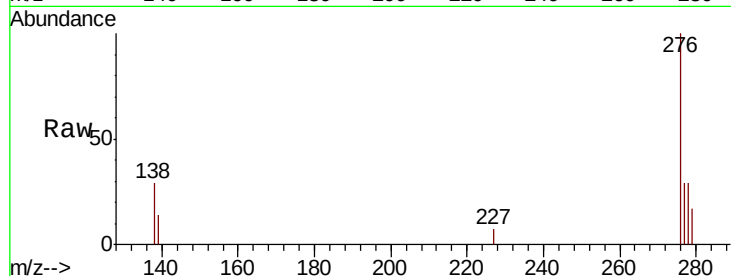


#24

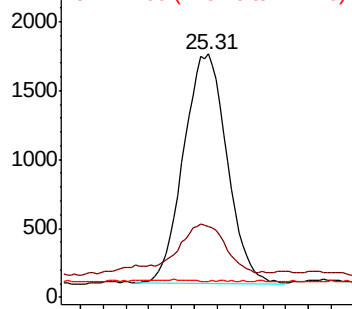
Indeno(1,2,3-cd)pyrene
Concen: 0.128 ng/ul
RT: 25.31 min Scan# 6085
Delta R.T. 0.00 min
Lab File: BN009234.D
Acq: 28 Dec 2019 18:41

Instrument :
BNA_N
ClientSampleId :

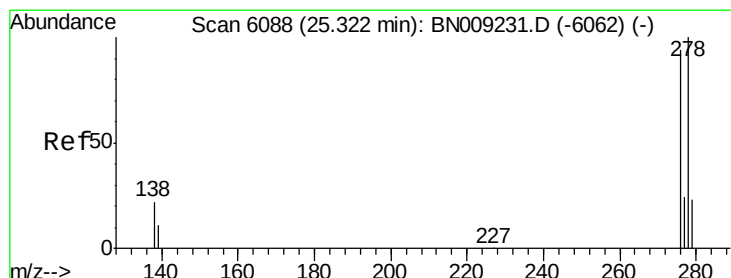
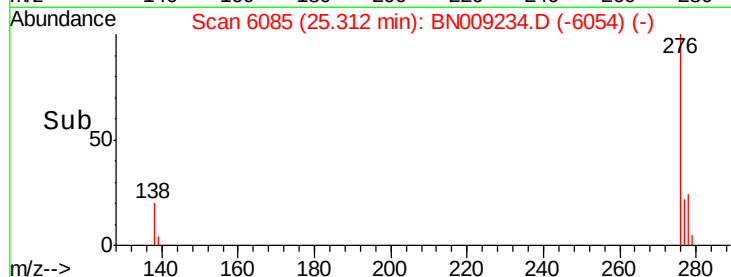
Tot Ion:276 Resp: 4420
Ion Ratio Lower Upper
276 100
138 23.1 22.4 33.6
227 0.2 0.2 0.4#



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



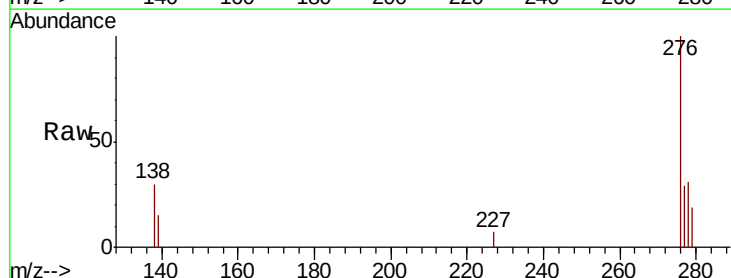
Time--> 25.20 25.30 25.40



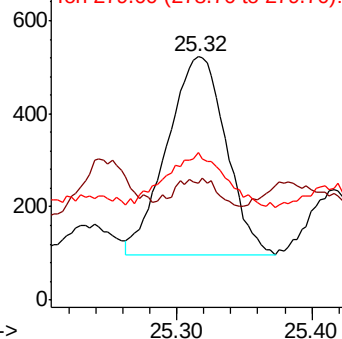
#25

Dibenzo(a,h)anthracene
Concen: 0.047 ng/ul
RT: 25.32 min Scan# 6086
Delta R.T. -0.01 min
Lab File: BN009234.D
Acq: 28 Dec 2019 18:41

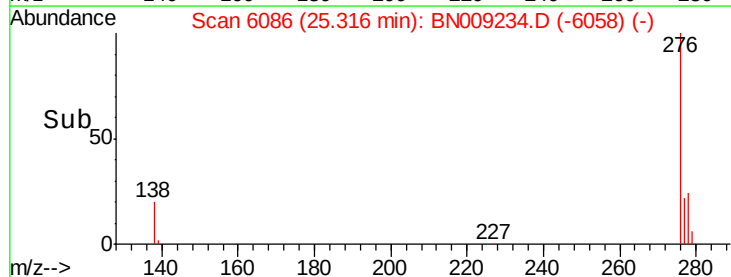
Tgt Ion:278 Resp: 1292
Ion Ratio Lower Upper
278 100
139 48.0 16.2 24.2#
279 60.8 20.3 30.5#

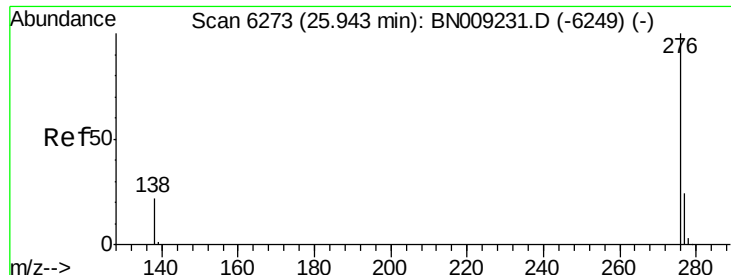


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



Time--> 25.30 25.40





#26

Benzo(a,h,i)perylene

Concen: 0.127 ng/ul

RT: 25.94 min Scan# 6273

Delta R.T. 0.00 min

Lab File: BN009234.D

Acq: 28 Dec 2019 18:41

Instrument :

BNA_N

ClientSampleId :

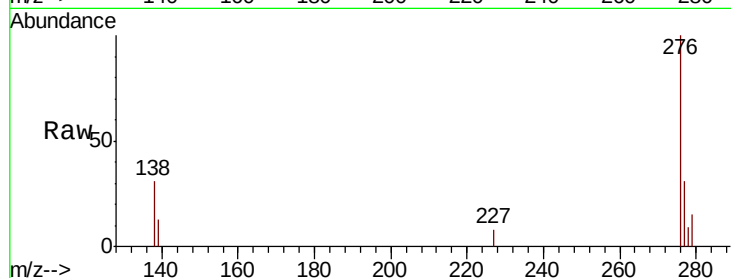
Tot Ion:276 Resp: 3702

Ion Ratio Lower Upper

276 100

138 31.1 20.6 30.8#

277 30.6 19.6 29.4#



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

