

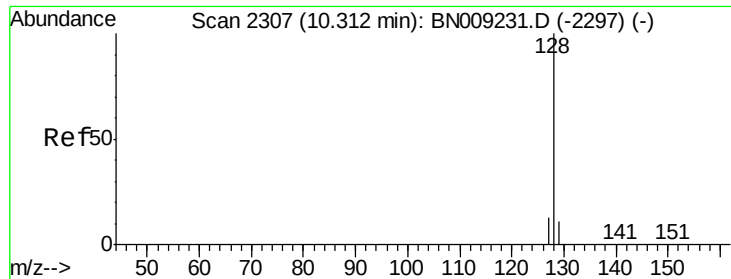
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009250.D
 Acq On : 29 Dec 2019 04:16
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 29 05:42:25 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	3045	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	10975	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	5624	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	11851	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	10905	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	11255	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	7021	0.36	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	15335	0.44	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	13493	0.405	ng/ul	100
5) 2-Methylnaphthalene	11.93	142	9039	0.359	ng/ul	99
7) Acenaphthylene	13.85	152	12021	0.407	ng/ul	99
8) Acenaphthene	14.20	153	8908	0.384	ng/ul	100
9) Fluorene	15.19	166	10076	0.368	ng/ul	99
11) Pentachlorophenol	16.55	266	1516	0.480	ng/ul	99
12) Phenanthrene	16.93	178	16474	0.400	ng/ul	100
13) Anthracene	17.02	178	15553	0.421	ng/ul	99
15) Fluoranthene	18.95	202	20255	0.430	ng/ul	98
17) Pyrene	19.32	202	20817	0.374	ng/ul	98
18) Benzo(a)anthracene	21.07	228	20325	0.420	ng/ul	100
19) Chrysene	21.12	228	19899	0.409	ng/ul	98
21) Benzo(b)fluoranthene	22.58	252	19833	0.377	ng/ul	98
22) Benzo(k)fluoranthene	22.58	252	19833	0.374	ng/ul	98
23) Benzo(a)pyrene	23.12	252	19188	0.417	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.30	276	22662	0.452	ng/ul	97
25) Dibenzo(a,h)anthracene	25.31	278	18134	0.454	ng/ul	100
26) Benzo(g,h,i)perylene	25.94	276	19211	0.455	ng/ul	98

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



#3

Naphthalene

Concen: 0.405 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BN009250.D

Acq: 29 Dec 2019 04:16

Instrument :

BNA_N

ClientSampleId :

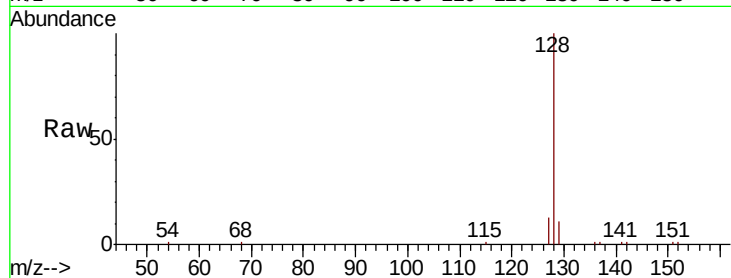
Tot Ion:128 Resp: 13493

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.4

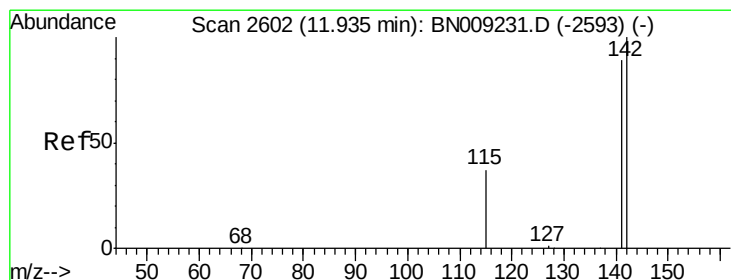
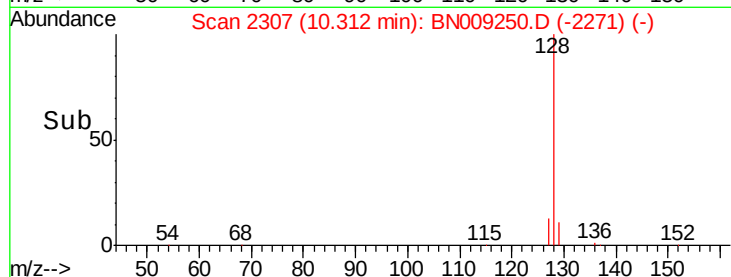
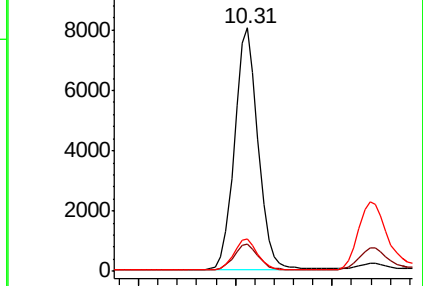
127 13.4 10.9 16.3



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: 0.359 ng/ul

RT: 11.93 min Scan# 2602

Delta R.T. 0.00 min

Lab File: BN009250.D

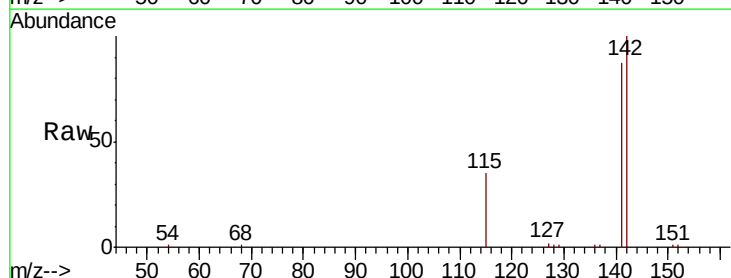
Acq: 29 Dec 2019 04:16

Tgt Ion:142 Resp: 9039

Ion Ratio Lower Upper

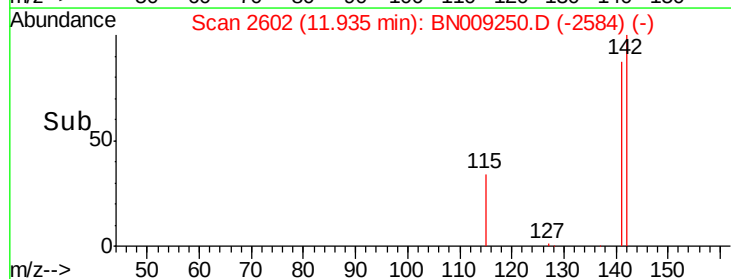
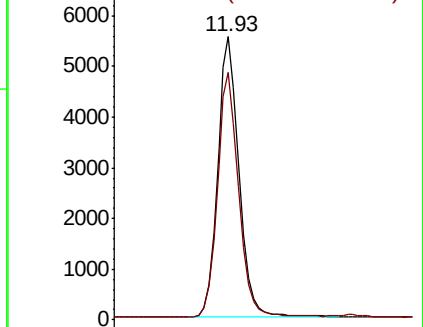
142 100

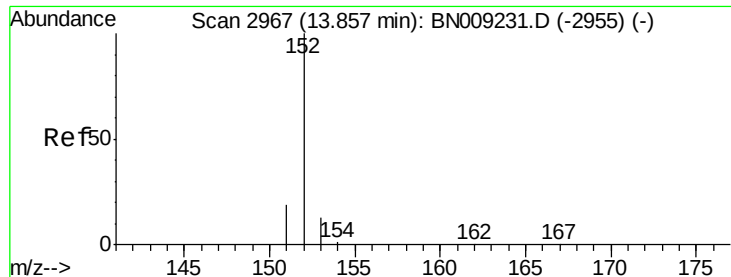
141 87.3 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.407 ng/ul

RT: 13.85 min Scan# 2966

Delta R.T. -0.00 min

Lab File: BN009250.D

Acq: 29 Dec 2019 04:16

Instrument :

BNA_N

ClientSampleId :

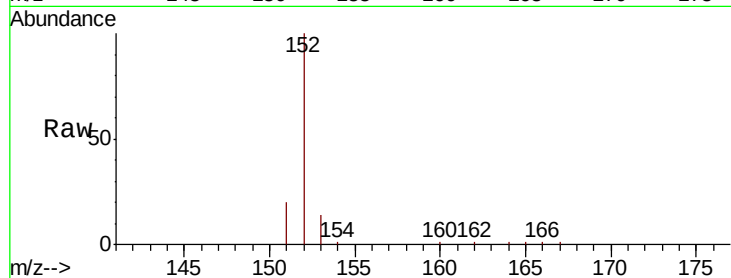
Tot Ion:152 Resp: 12021

Ion Ratio Lower Upper

152 100

151 19.8 15.7 23.5

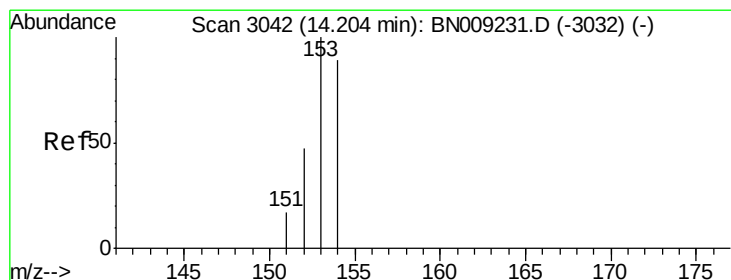
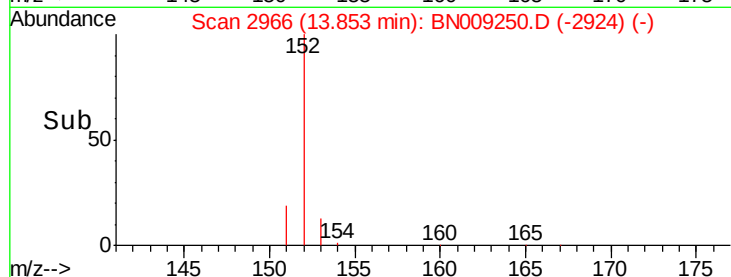
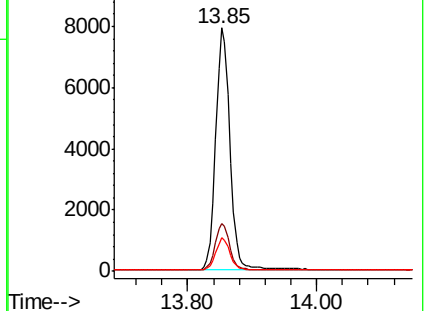
153 13.9 10.8 16.2



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



#8

Acenaphthene

Concen: 0.384 ng/ul

RT: 14.20 min Scan# 3041

Delta R.T. -0.00 min

Lab File: BN009250.D

Acq: 29 Dec 2019 04:16

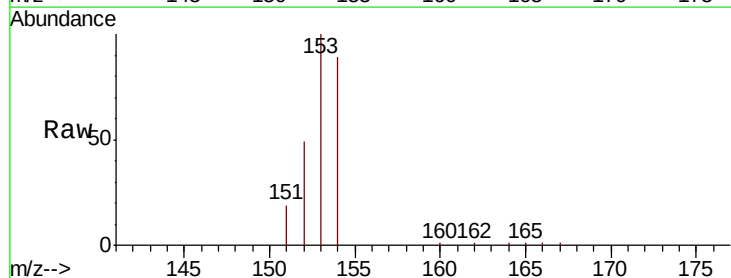
Tgt Ion:153 Resp: 8908

Ion Ratio Lower Upper

153 100

152 49.2 39.5 59.3

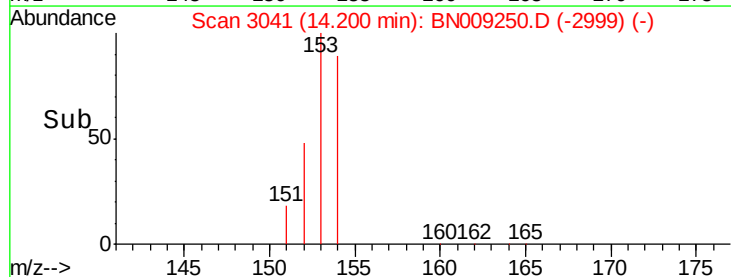
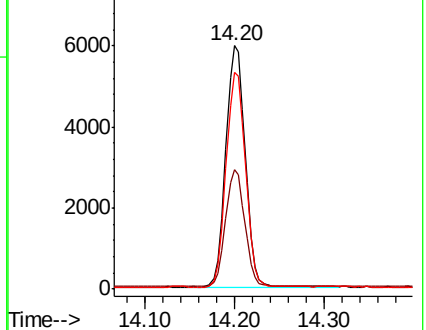
154 89.0 71.3 106.9

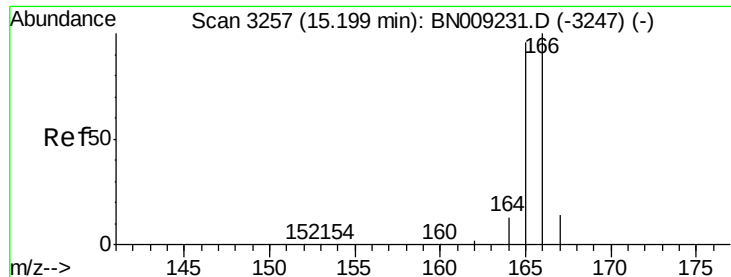


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.368 ng/ul

RT: 15.19 min Scan# 3256

Delta R.T. -0.00 min

Lab File: BN009250.D

Acq: 29 Dec 2019 04:16

Instrument :

BNA_N

ClientSampleId :

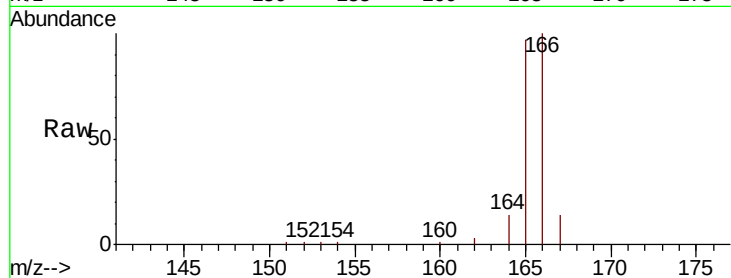
Tot Ion:166 Resp: 10076

Ion Ratio Lower Upper

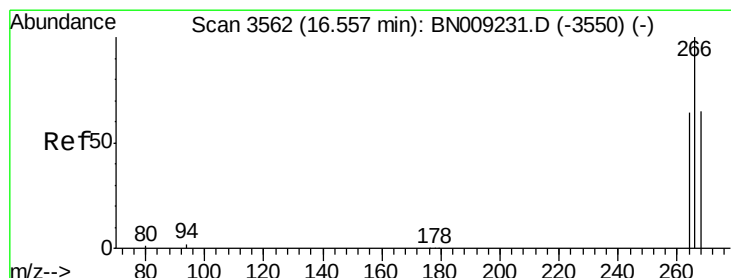
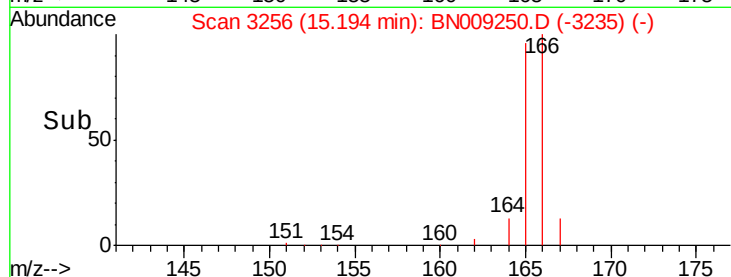
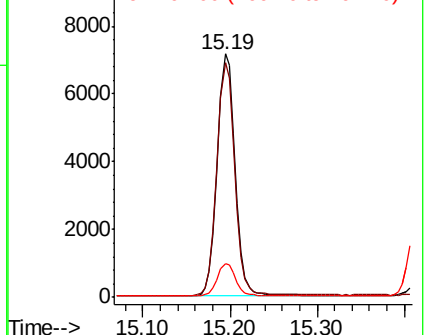
166 100

165 96.6 78.2 117.4

167 13.9 11.0 16.6



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



#11

Pentachlorophenol

Concen: 0.480 ng/ul

RT: 16.55 min Scan# 3561

Delta R.T. -0.00 min

Lab File: BN009250.D

Acq: 29 Dec 2019 04:16

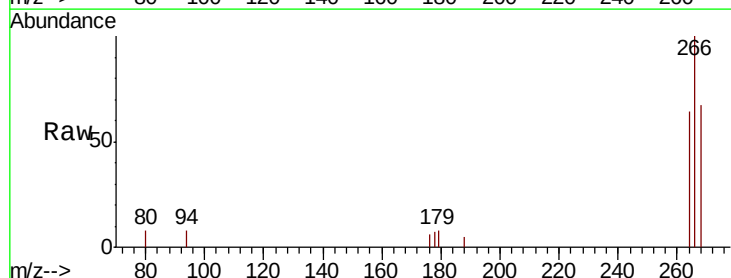
Tgt Ion:266 Resp: 1516

Ion Ratio Lower Upper

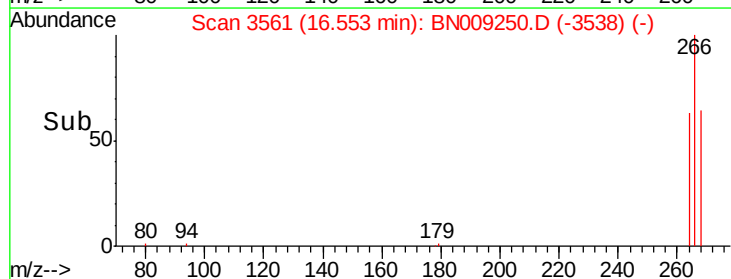
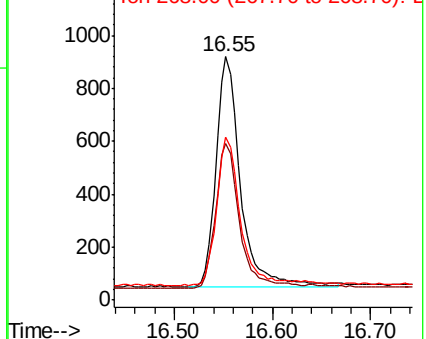
266 100

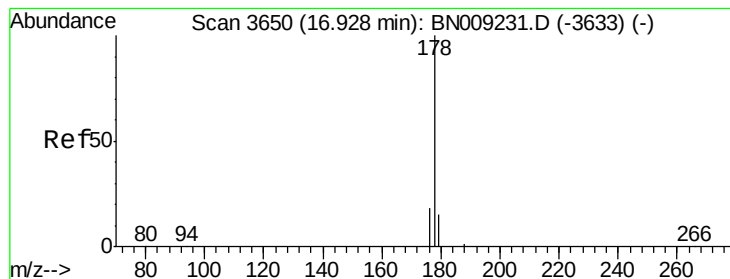
264 62.1 49.9 74.9

268 63.7 52.1 78.1



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.400 ng/ul

RT: 16.93 min Scan# 3650

Delta R.T. 0.00 min

Lab File: BN009250.D

Acq: 29 Dec 2019 04:16

Instrument :

BNA_N

ClientSampleId :

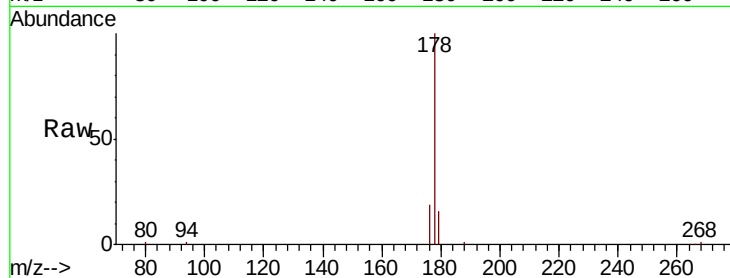
Tot Ion:178 Resp: 16474

Ion Ratio Lower Upper

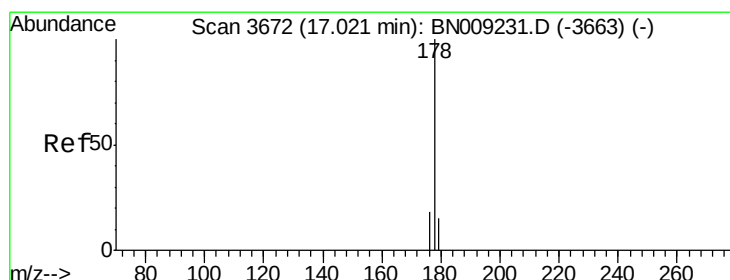
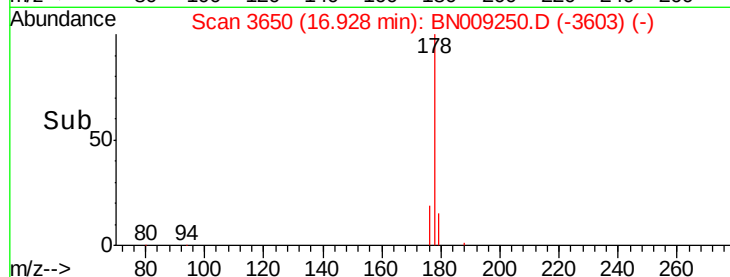
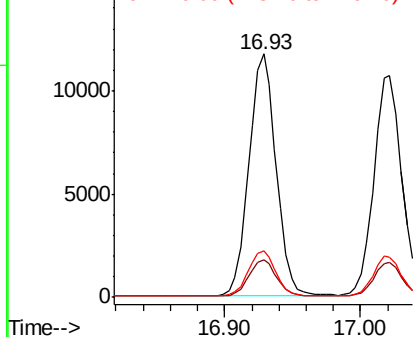
178 100

179 15.6 12.3 18.5

176 18.9 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: 0.421 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. 0.00 min

Lab File: BN009250.D

Acq: 29 Dec 2019 04:16

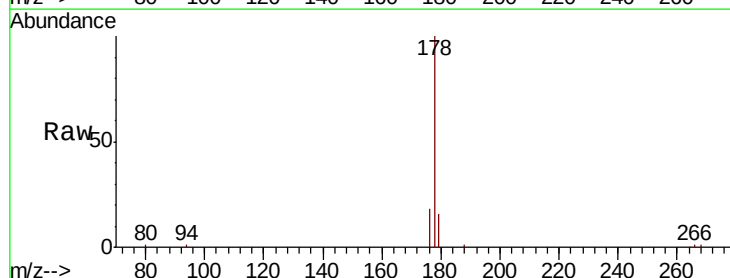
Tgt Ion:178 Resp: 15553

Ion Ratio Lower Upper

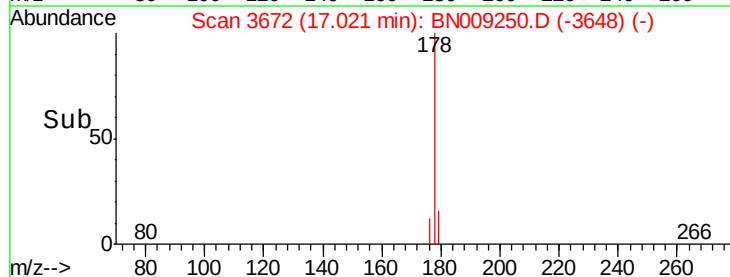
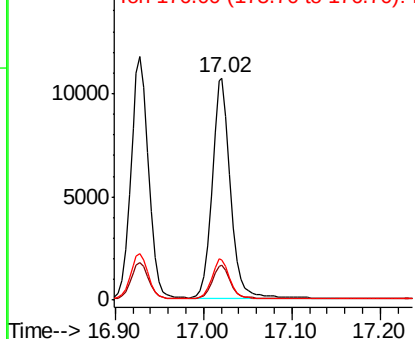
178 100

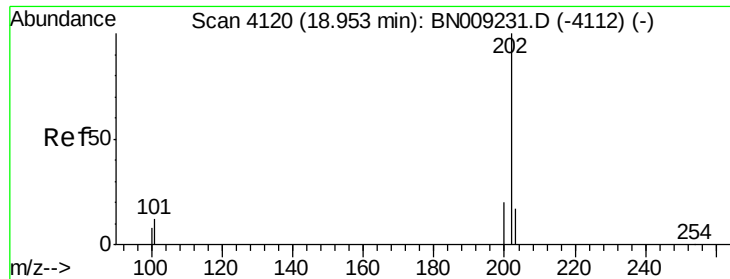
179 15.8 12.5 18.7

176 18.3 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: 0.430 ng/ul

RT: 18.95 min Scan# 4119

Delta R.T. -0.00 min

Lab File: BN009250.D

Acq: 29 Dec 2019 04:16

Instrument :

BNA_N

ClientSampleId :

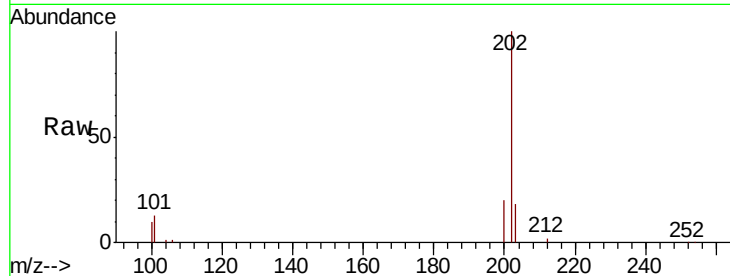
Tot Ion:202 Resp: 20255

Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.5

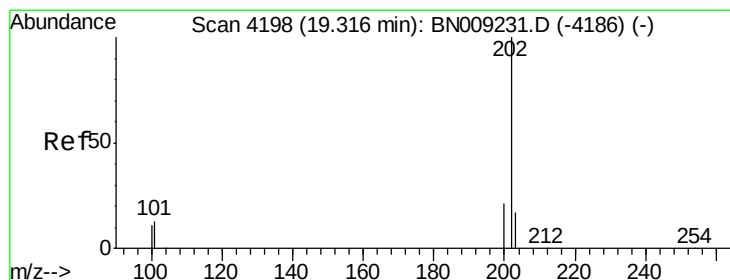
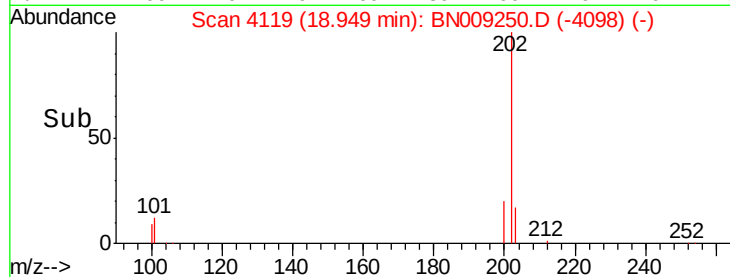
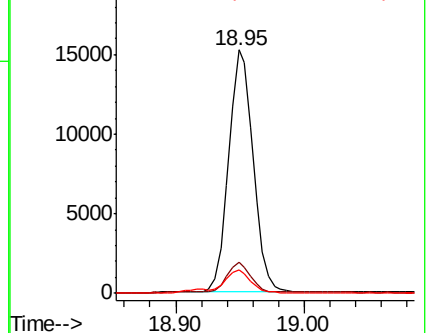
100 9.6 0.0 28.9



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

Pyrene

Concen: 0.374 ng/ul

RT: 19.32 min Scan# 4198

Delta R.T. 0.00 min

Lab File: BN009250.D

Acq: 29 Dec 2019 04:16

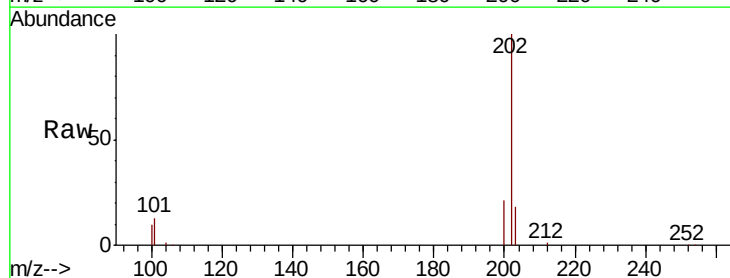
Tgt Ion:202 Resp: 20817

Ion Ratio Lower Upper

202 100

101 13.1 10.9 16.3

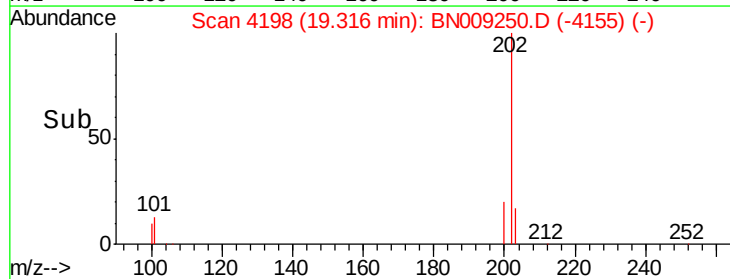
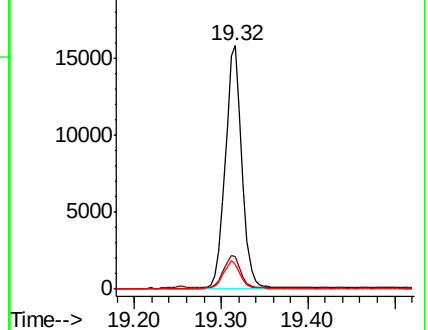
100 10.3 9.0 13.6

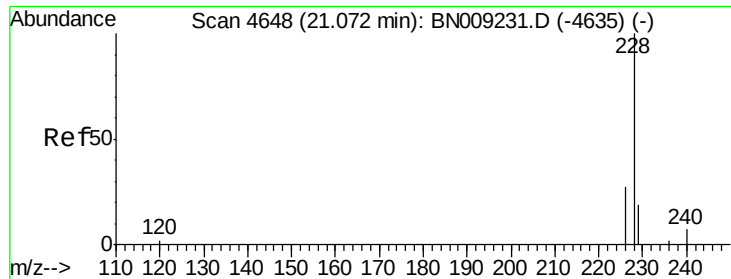


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.420 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.00 min

Lab File: BN009250.D

Acq: 29 Dec 2019 04:16

Instrument :

BNA_N

ClientSampleId :

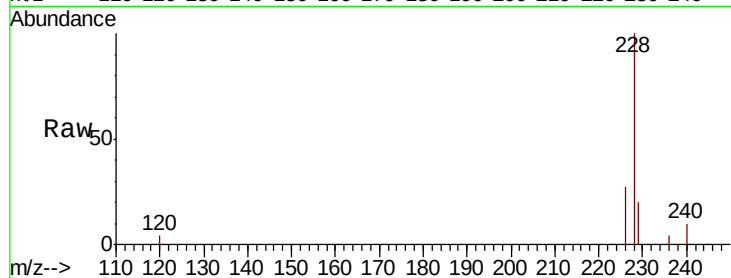
Tot Ion:228 Resp: 20325

Ion Ratio Lower Upper

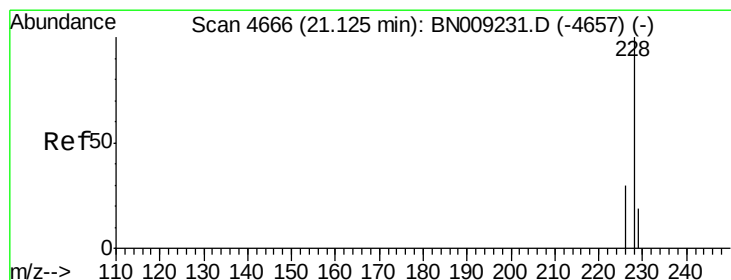
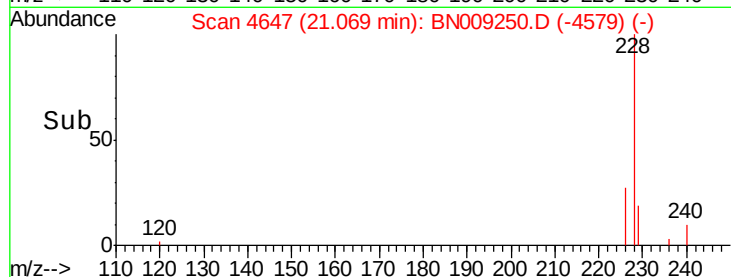
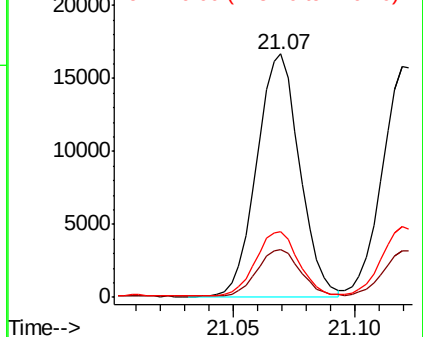
228 100

229 19.6 15.5 23.3

226 26.9 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: 0.409 ng/ul

RT: 21.12 min Scan# 4664

Delta R.T. -0.01 min

Lab File: BN009250.D

Acq: 29 Dec 2019 04:16

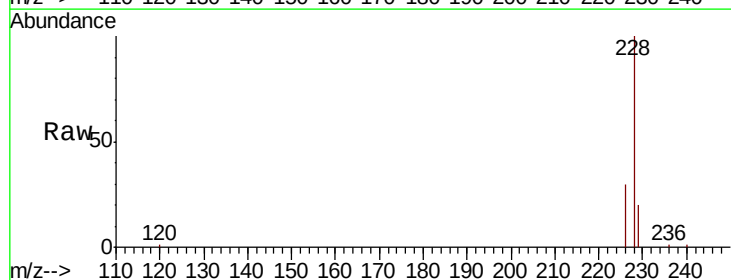
Tgt Ion:228 Resp: 19899

Ion Ratio Lower Upper

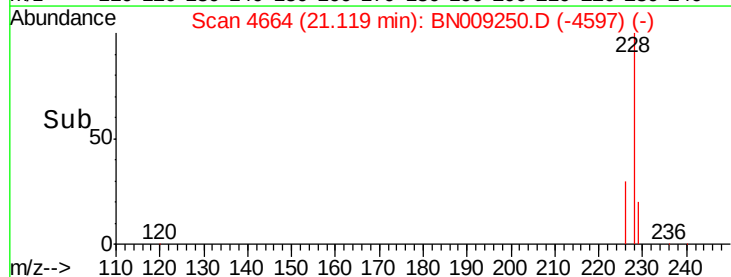
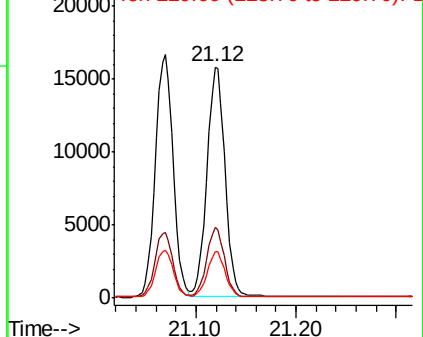
228 100

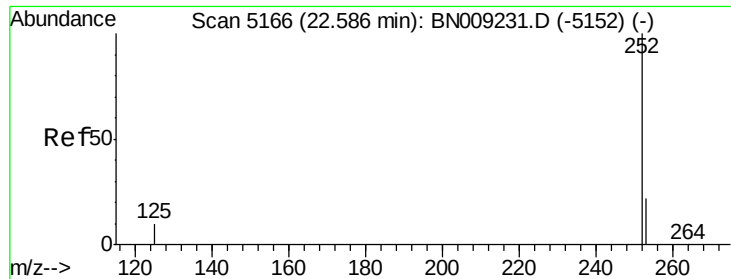
226 30.3 23.7 35.5

229 20.1 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: 0.377 ng/ul

RT: 22.58 min Scan# 5164

Delta R.T. -0.01 min

Lab File: BN009250.D

Acq: 29 Dec 2019 04:16

Instrument :

BNA_N

ClientSampleId :

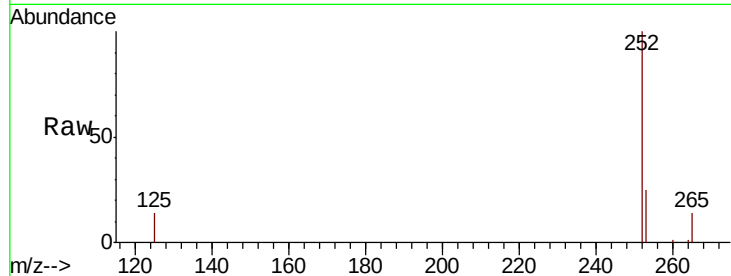
Tot Ion:252 Resp: 19833

Ion Ratio Lower Upper

252 100

253 24.7 0.0 48.2

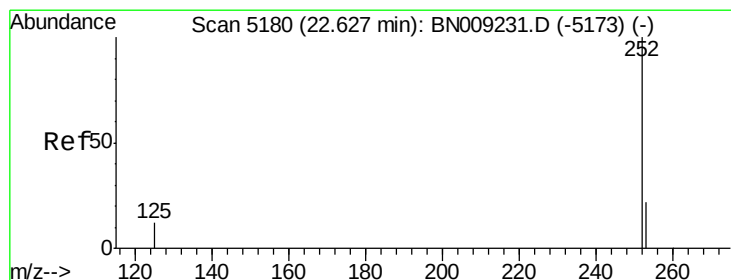
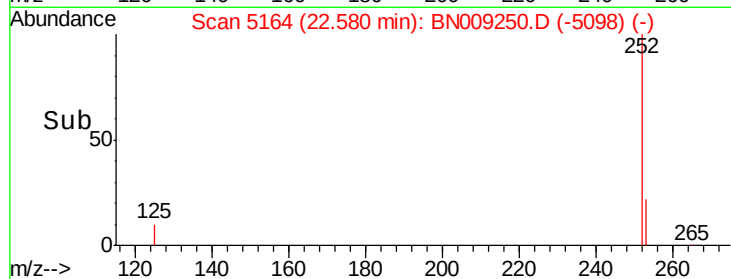
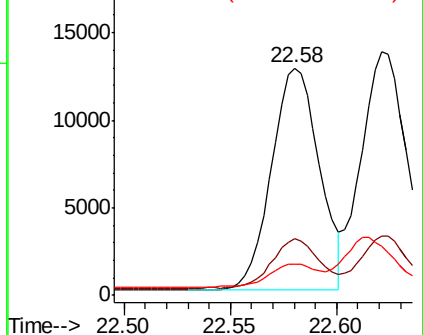
125 13.9 0.0 30.0



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: 0.374 ng/ul

RT: 22.58 min Scan# 5164

Delta R.T. -0.05 min

Lab File: BN009250.D

Acq: 29 Dec 2019 04:16

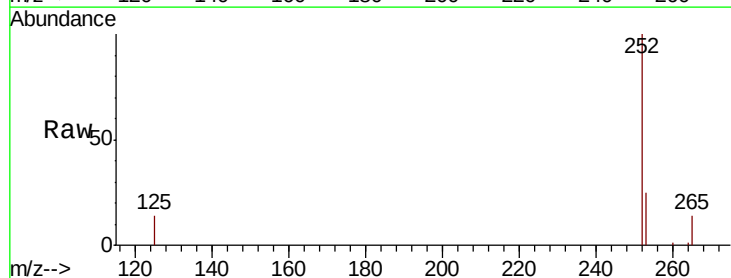
Tgt Ion:252 Resp: 19833

Ion Ratio Lower Upper

252 100

253 24.7 19.4 29.0

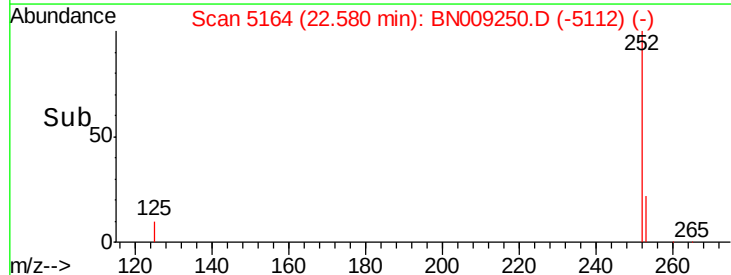
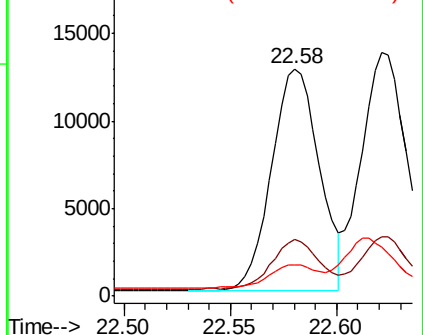
125 13.9 12.4 18.6

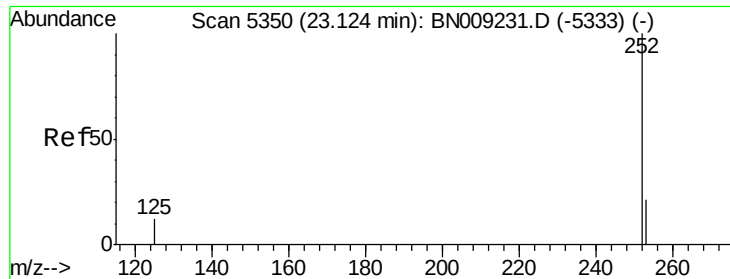


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.417 ng/ul

RT: 23.12 min Scan# 5348

Delta R.T. -0.01 min

Lab File: BN009250.D

Acq: 29 Dec 2019 04:16

Instrument :

BNA_N

ClientSampleId :

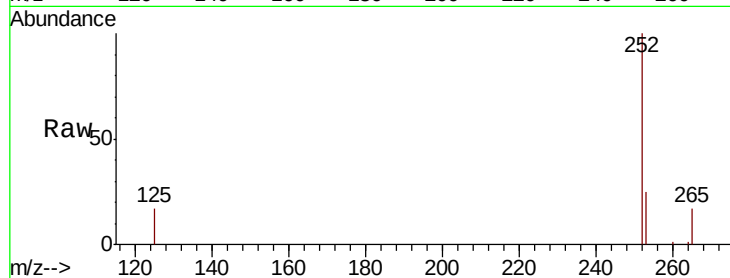
Tot Ion:252 Resp: 19188

Ion Ratio Lower Upper

252 100

253 25.0 20.2 30.4

125 16.7 13.2 19.8

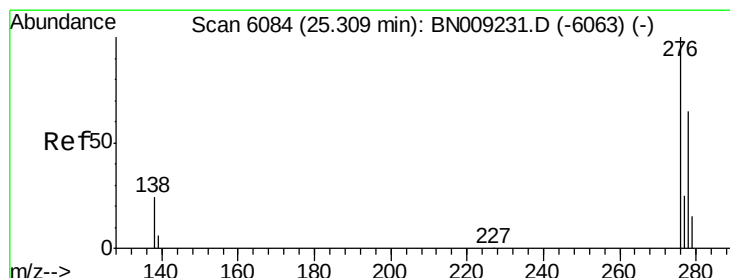
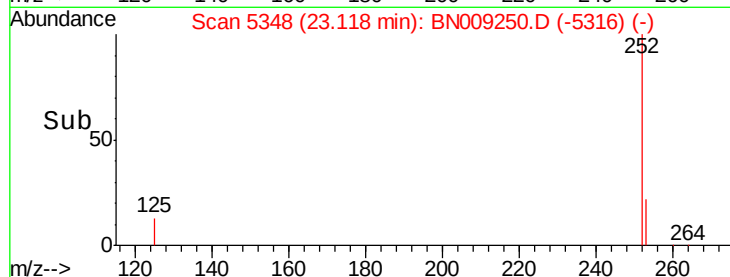
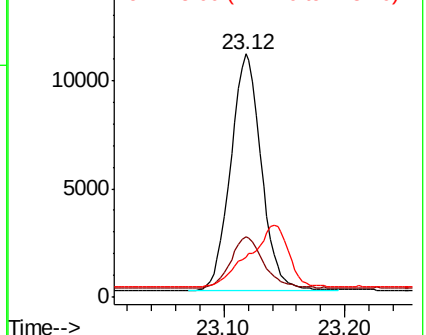


Abundance

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: 0.452 ng/ul

RT: 25.30 min Scan# 6082

Delta R.T. -0.01 min

Lab File: BN009250.D

Acq: 29 Dec 2019 04:16

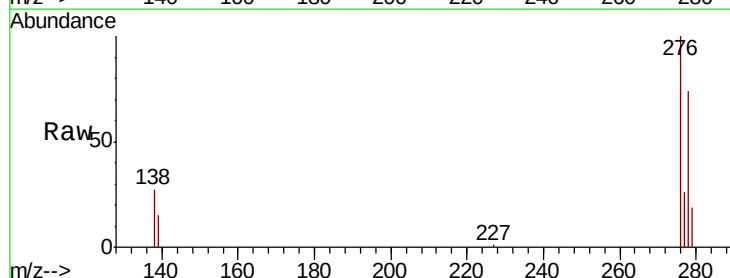
Tgt Ion:276 Resp: 22662

Ion Ratio Lower Upper

276 100

138 26.2 22.4 33.6

227 0.3 0.2 0.4

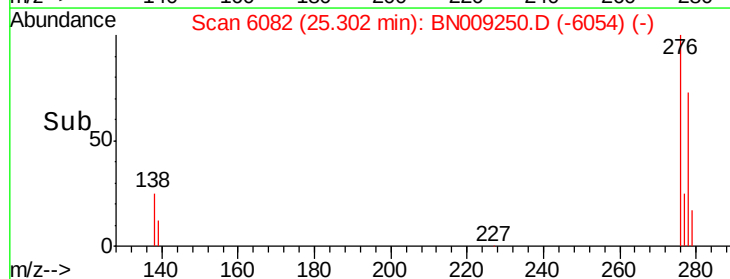
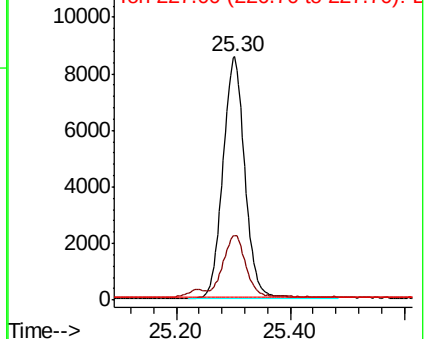


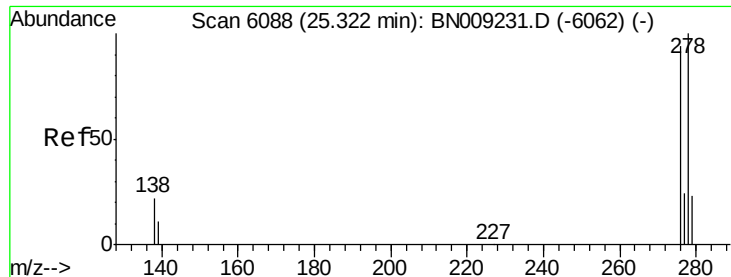
Abundance

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





#25

Dibenzo(a,h)anthracene

Concen: 0.454 ng/ul

RT: 25.31 min Scan# 6084

Delta R.T. -0.01 min

Lab File: BN009250.D

Acq: 29 Dec 2019 04:16

Instrument :

BNA_N

ClientSampleId :

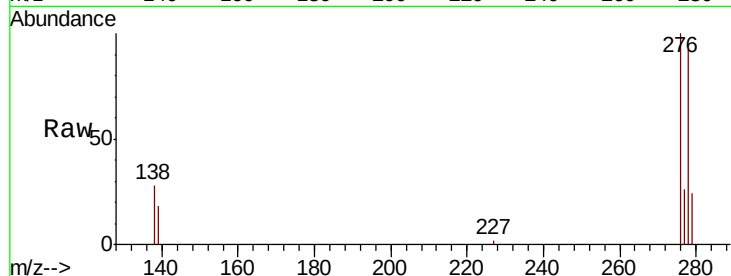
Tot Ion:278 Resp: 18134

Ion Ratio Lower Upper

278 100

139 19.9 16.2 24.2

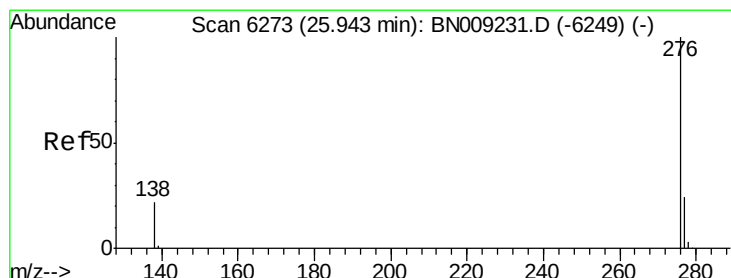
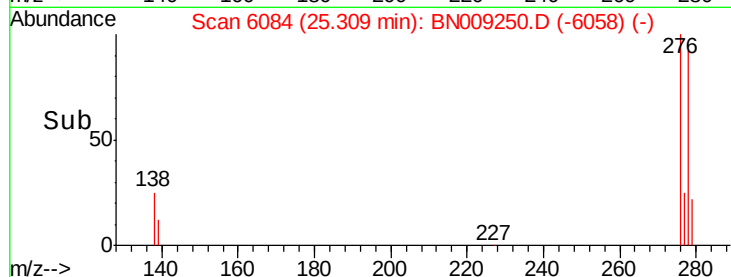
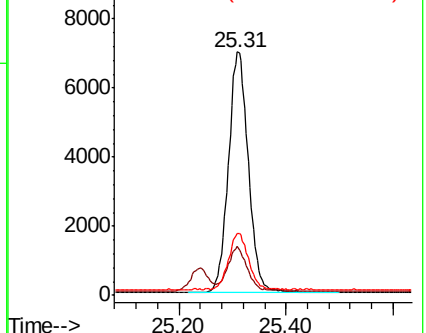
279 25.5 20.3 30.5



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



#26

Benzo(g,h,i)perylene

Concen: 0.455 ng/ul

RT: 25.94 min Scan# 6271

Delta R.T. -0.01 min

Lab File: BN009250.D

Acq: 29 Dec 2019 04:16

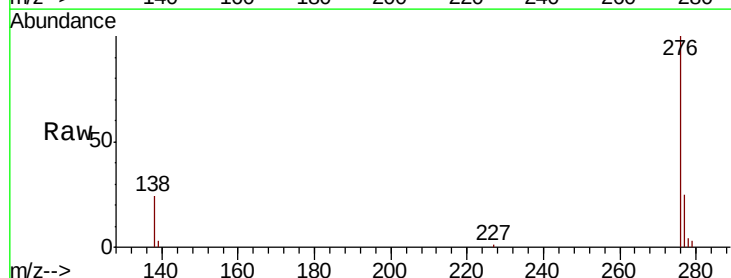
Tgt Ion:276 Resp: 19211

Ion Ratio Lower Upper

276 100

138 23.6 20.6 30.8

277 24.6 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

