

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN123119\
 Data File : BN009283.D
 Acq On : 31 Dec 2019 16:12
 Operator : JU
 Sample : K6308-01DL 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 31 16:58:16 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 : Tue Dec 31 11:02:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2351	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	8370	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.13	164	4396	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.88	188	8807	0.40	ng/ul	0.00
16) Chrysene-d12	21.09	240	7054	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	7296	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	1016	0.07	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	1959	0.08	ng/ul	0.00

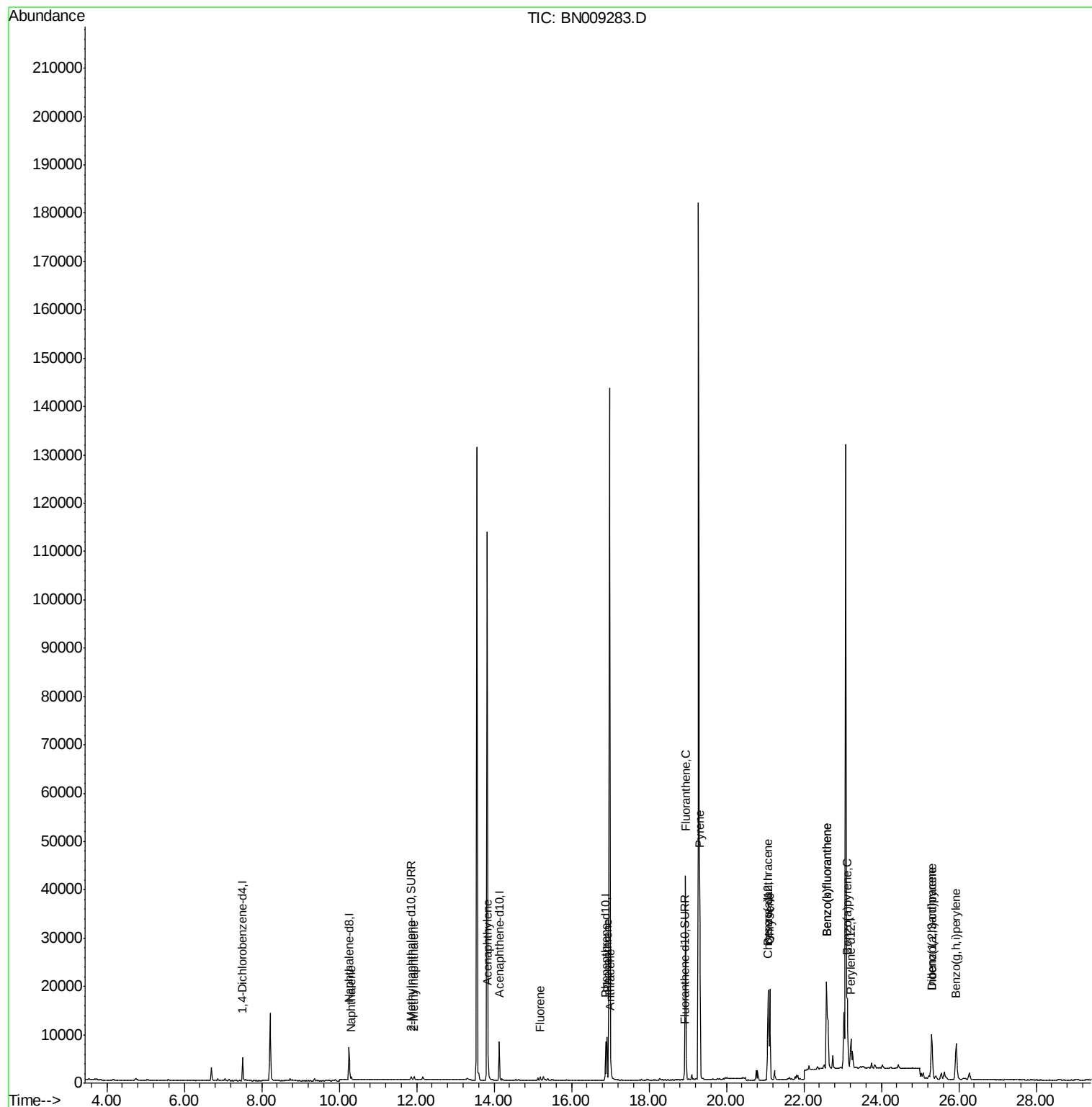
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	723	0.028	ng/ul#	76
5) 2-Methylnaphthalene	11.93	142	626	0.033	ng/ul	97
7) Acenaphthylene	13.85	152	2520	0.109	ng/ul#	92
9) Fluorene	15.19	166	450	0.021	ng/ul#	94
12) Phenanthrene	16.92	178	9097	0.297	ng/ul	98
13) Anthracene	17.02	178	2510	0.091	ng/ul	94
15) Fluoranthene	18.95	202	33921	0.968	ng/ul	100
17) Pyrene	19.31	202	30477	0.847	ng/ul	99
18) Benzo(a)anthracene	21.07	228	14164	0.452	ng/ul	97
19) Chrysene	21.12	228	18658	0.593	ng/ul	98
21) Benzo(b)fluoranthene	22.59	252	38318	1.125	ng/ul	99
22) Benzo(k)fluoranthene	22.59	252	38318	1.115	ng/ul	99
23) Benzo(a)pyrene	23.12	252	17267	0.578	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.30	276	14126	0.434	ng/ul#	88
25) Dibenzo(a,h)anthracene	25.31	278	3059	0.118	ng/ul#	83
26) Benzo(a,h,i)perylene	25.93	276	14560	0.532	ng/ul	99

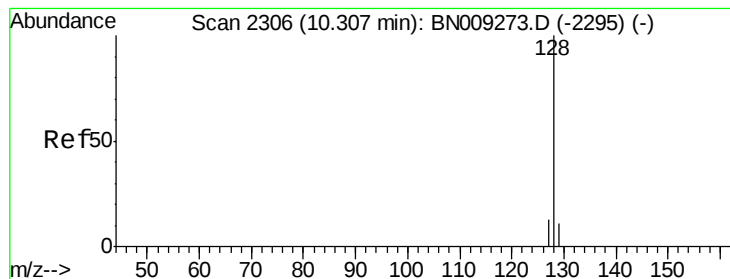
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.028 ng/ul

RT: 10.31 min Scan# 2306

Delta R.T. 0.00 min

Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

Instrument :

BNA_N

ClientSampleId :

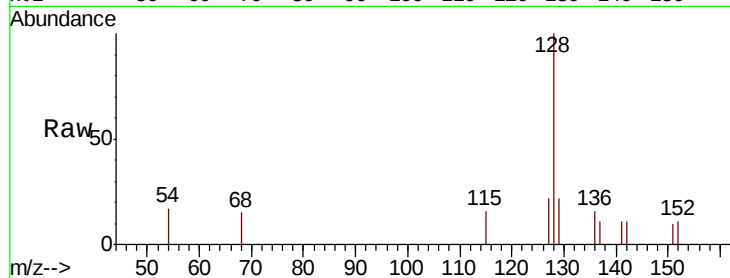
Tot Ion:128 Resp: 723

Ion Ratio Lower Upper

128 100

129 21.8 9.0 13.4#

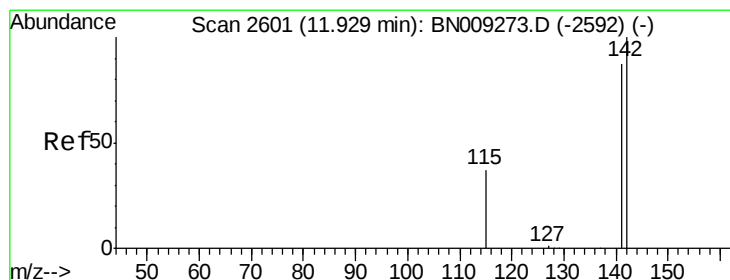
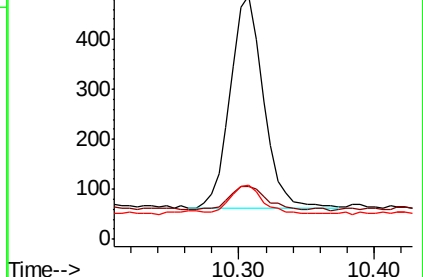
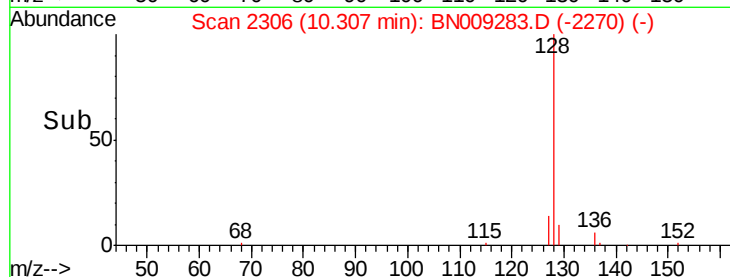
127 22.2 10.9 16.3#



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: 0.033 ng/ul

RT: 11.93 min Scan# 2602

Delta R.T. 0.01 min

Lab File: BN009283.D

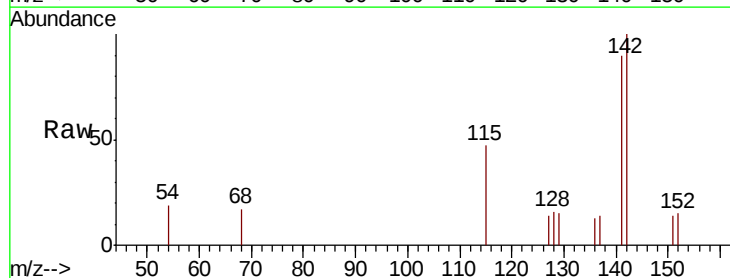
Acq: 31 Dec 2019 16:12

Tgt Ion:142 Resp: 626

Ion Ratio Lower Upper

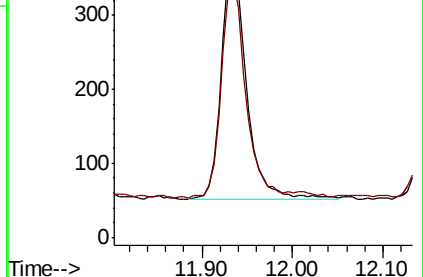
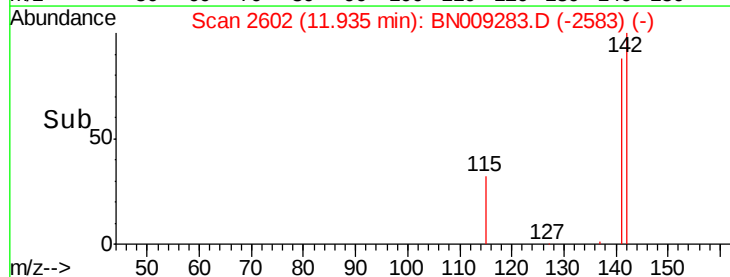
142 100

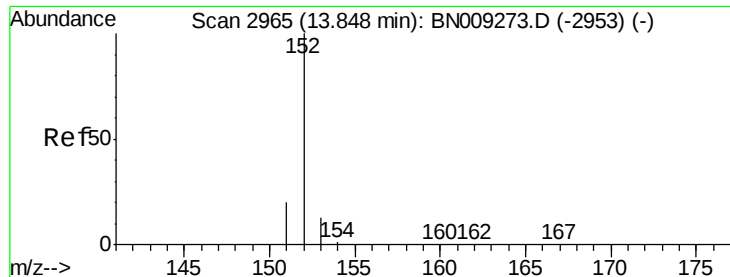
141 90.7 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.109 ng/ul

RT: 13.85 min Scan# 2966

Delta R.T. 0.00 min

Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

Instrument :

BNA_N

ClientSampleId :

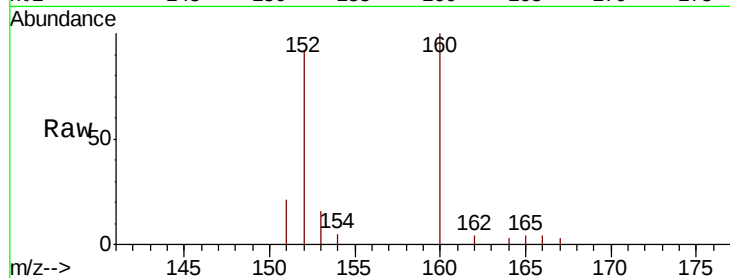
Tot Ion:152 Resp: 2520

Ion Ratio Lower Upper

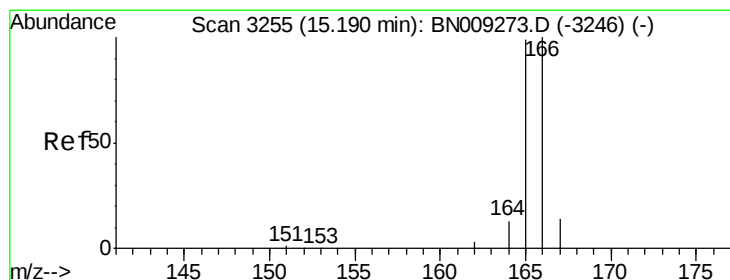
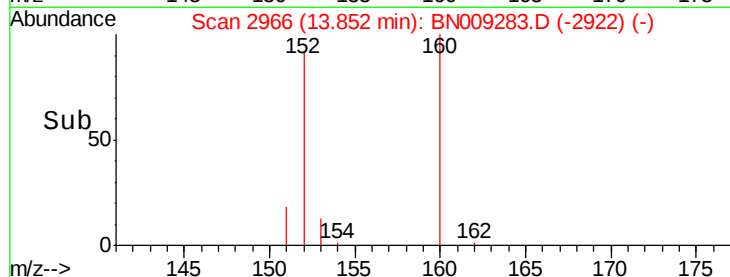
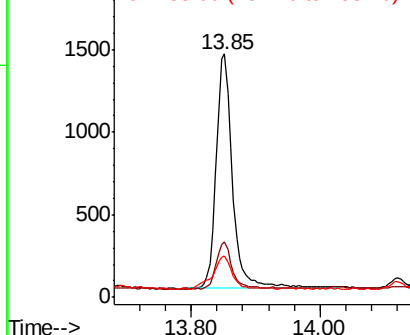
152 100

151 23.0 15.7 23.5

153 16.8 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



#9

Fluorene

Concen: 0.021 ng/ul

RT: 15.19 min Scan# 3256

Delta R.T. 0.00 min

Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

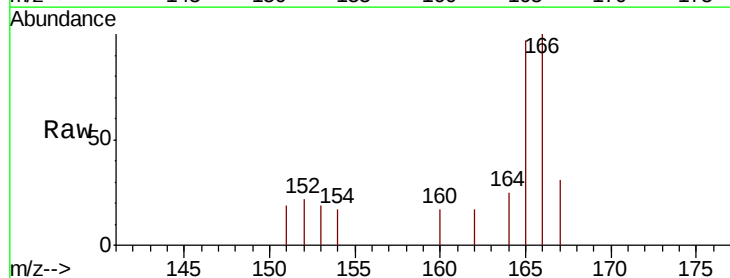
Tgt Ion:166 Resp: 450

Ion Ratio Lower Upper

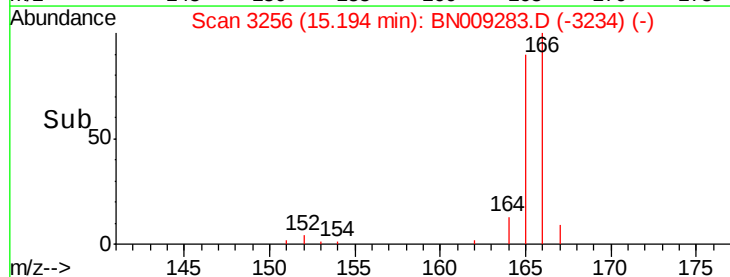
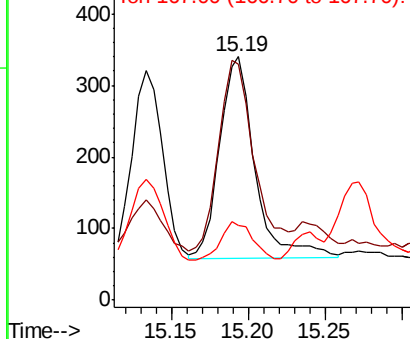
166 100

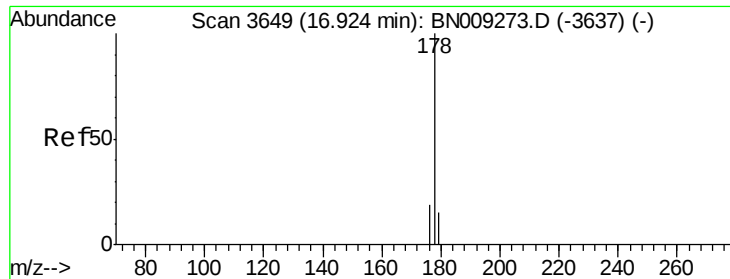
165 96.8 78.2 117.4

167 30.9 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





#12

Phenanthrene

Concen: 0.297 ng/ul

RT: 16.92 min Scan# 3649

Delta R.T. -0.00 min

Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

Instrument :

BNA_N

ClientSampleId :

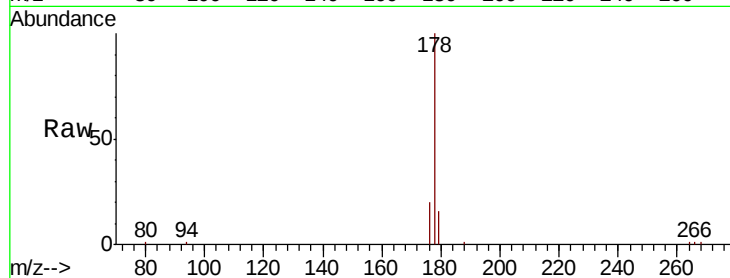
Tot Ion:178 Resp: 9097

Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

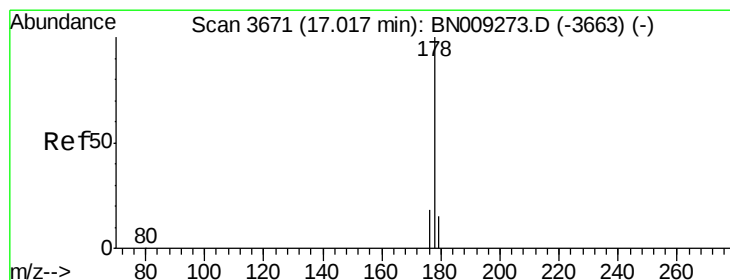
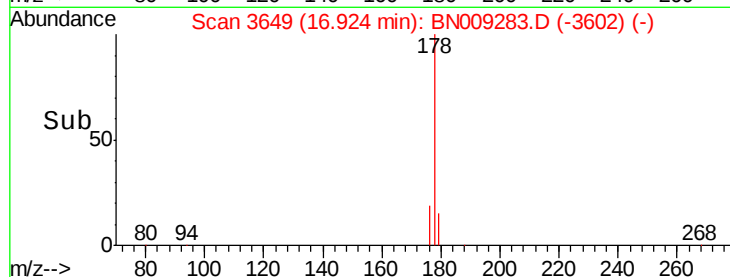
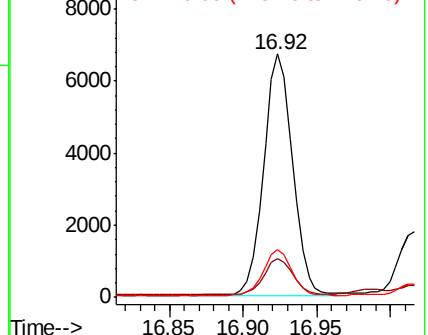
176 19.5 15.1 22.7



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: 0.091 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

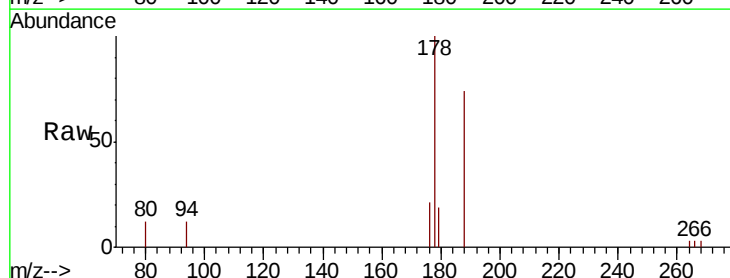
Tgt Ion:178 Resp: 2510

Ion Ratio Lower Upper

178 100

179 18.6 12.5 18.7

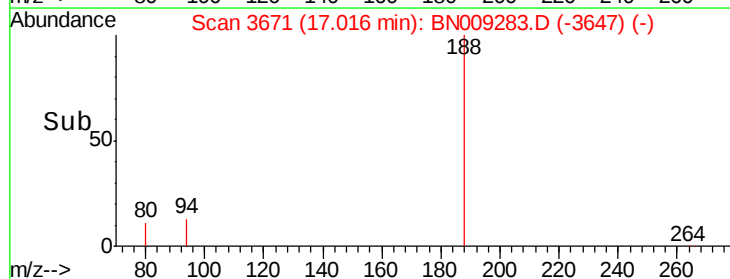
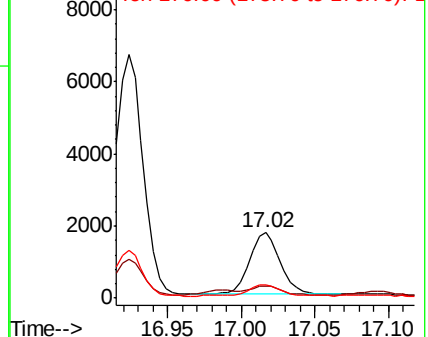
176 20.6 14.9 22.3

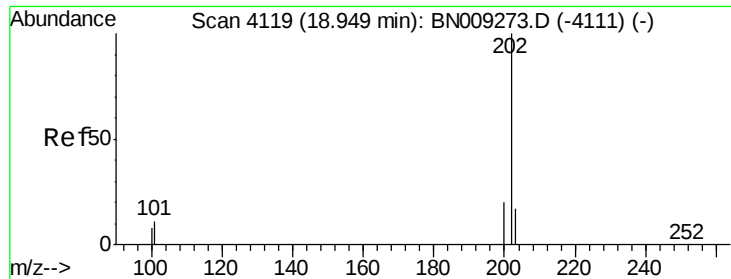


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.968 ng/ul

RT: 18.95 min Scan# 4119

Delta R.T. -0.00 min

Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

Instrument :

BNA_N

ClientSampleId :

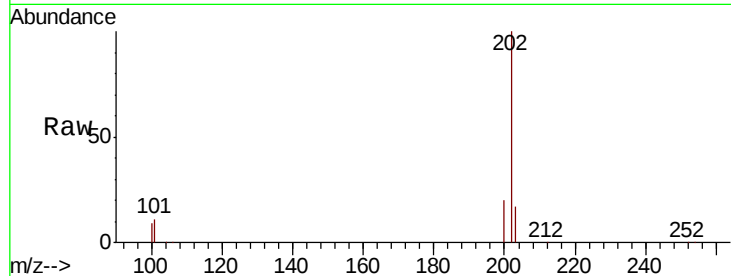
Tot Ion:202 Resp: 33921

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.5

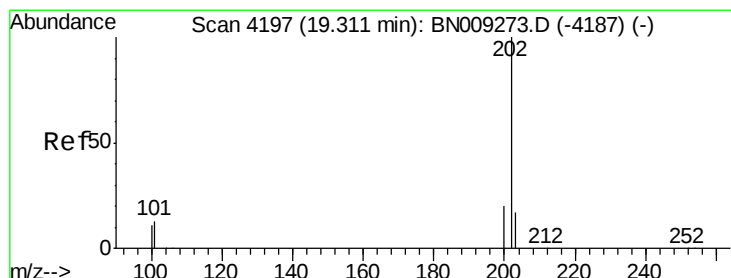
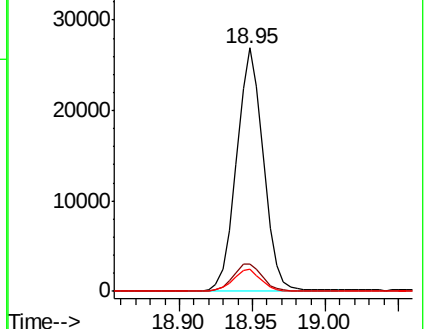
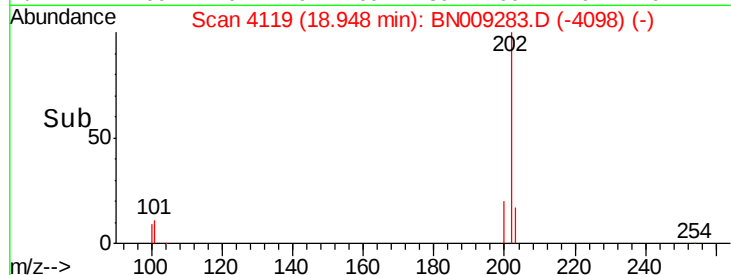
100 9.0 0.0 28.9



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: 0.847 ng/ul

RT: 19.31 min Scan# 4197

Delta R.T. -0.00 min

Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

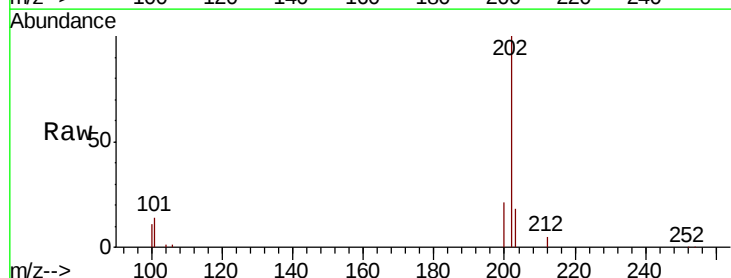
Tgt Ion:202 Resp: 30477

Ion Ratio Lower Upper

202 100

101 13.8 10.9 16.3

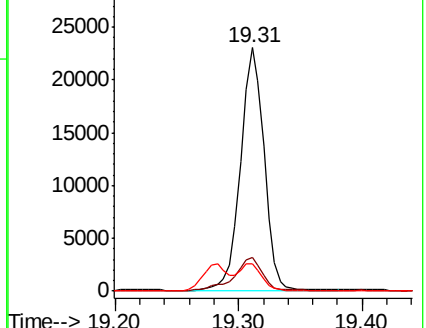
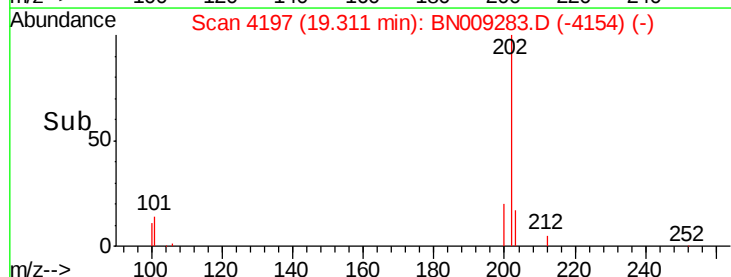
100 11.0 9.0 13.6

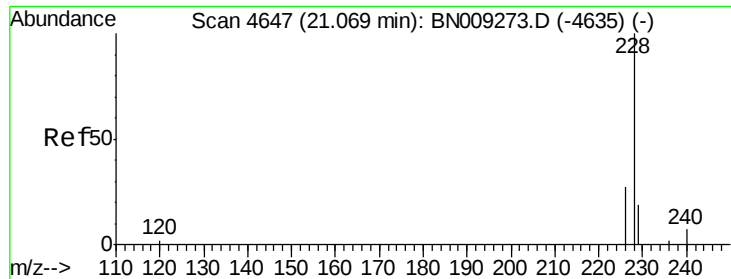


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.452 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.00 min

Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

Instrument :

BNA_N

ClientSampleId :

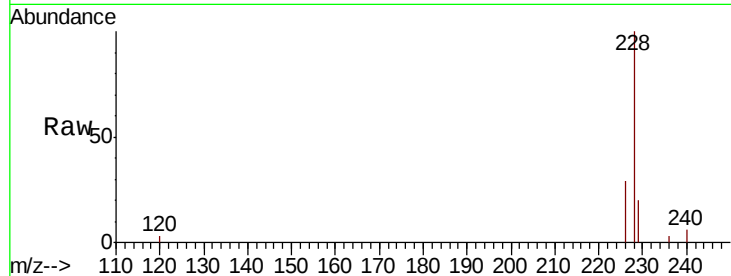
Tot Ion:228 Resp: 14164

Ion Ratio Lower Upper

228 100

229 20.3 15.5 23.3

226 28.9 21.7 32.5

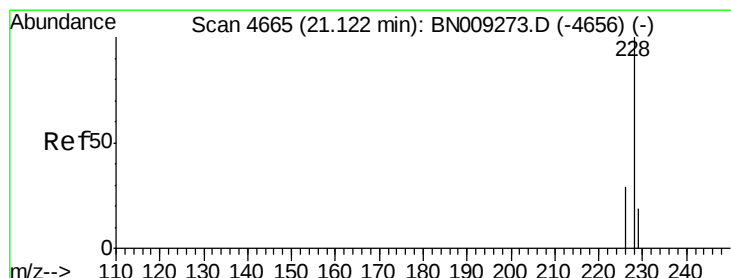
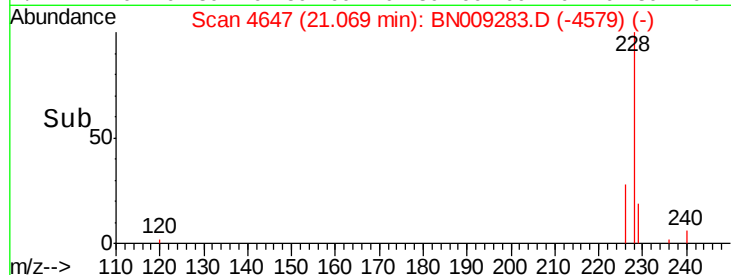
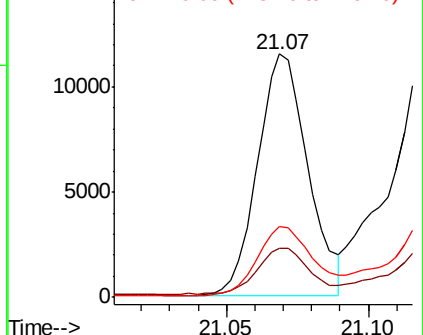


Abundance

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: 0.593 ng/ul

RT: 21.12 min Scan# 4665

Delta R.T. -0.00 min

Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

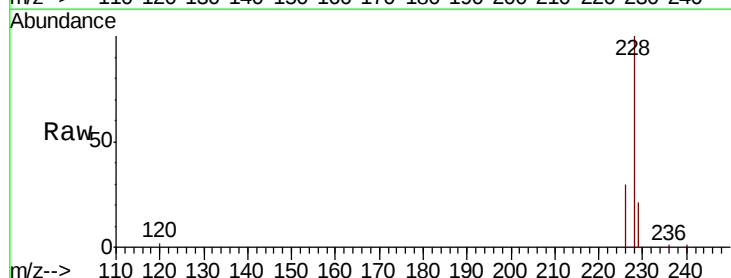
Tgt Ion:228 Resp: 18658

Ion Ratio Lower Upper

228 100

226 30.1 23.7 35.5

229 20.7 15.4 23.0

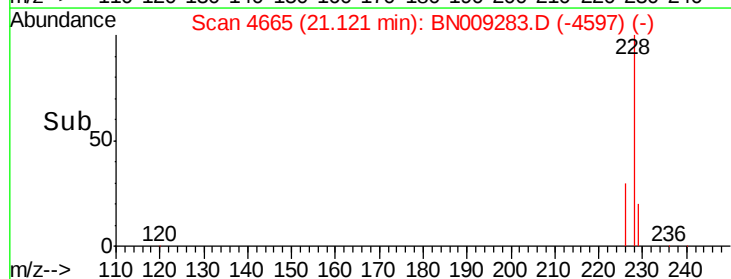
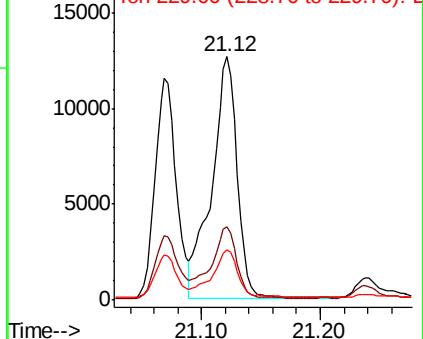


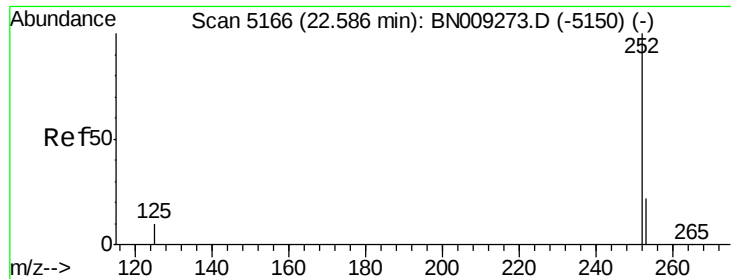
Abundance

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: 1.125 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. -0.00 min

Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

Instrument :

BNA_N

ClientSampleId :

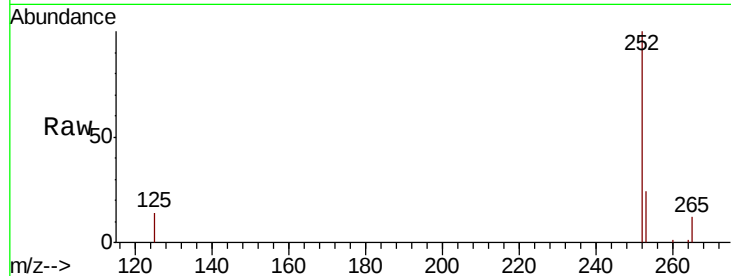
Tot Ion:252 Resp: 38318

Ion Ratio Lower Upper

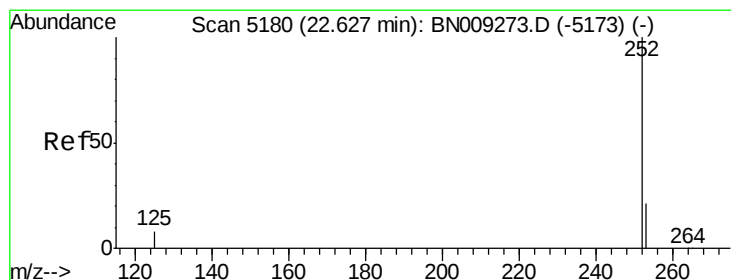
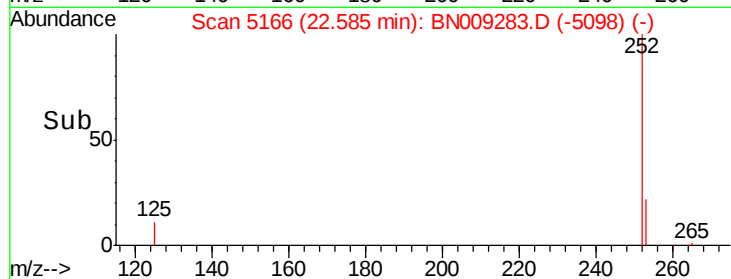
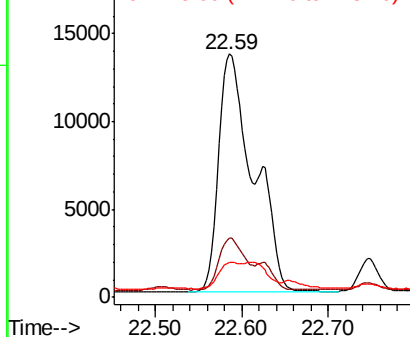
252 100

253 24.2 0.0 48.2

125 14.2 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: 1.115 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. -0.04 min

Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

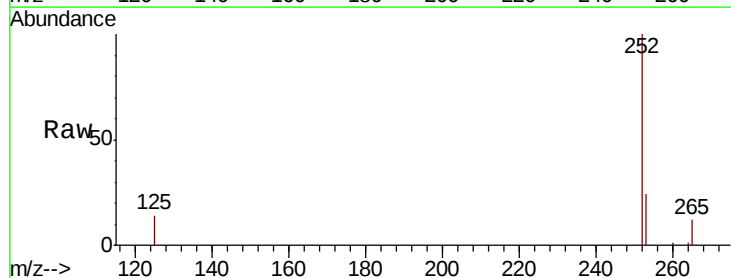
Tgt Ion:252 Resp: 38318

Ion Ratio Lower Upper

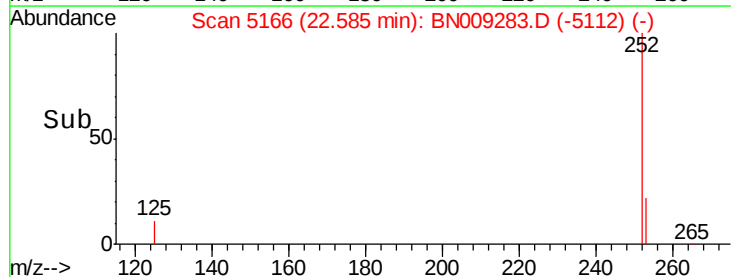
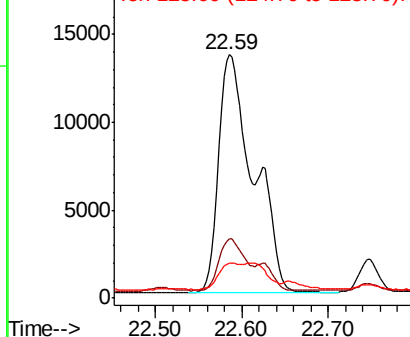
252 100

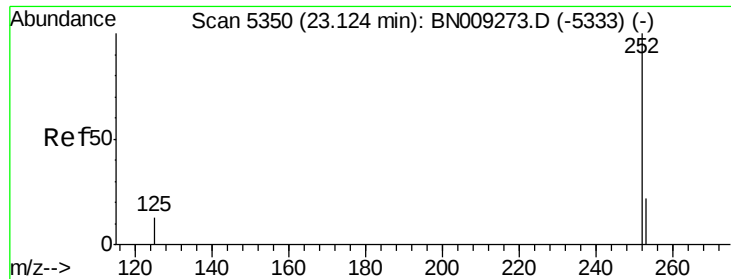
253 24.2 19.4 29.0

125 14.2 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: 0.578 ng/ul

RT: 23.12 min Scan# 5349

Delta R.T. -0.00 min

Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

Instrument :

BNA_N

ClientSampleId :

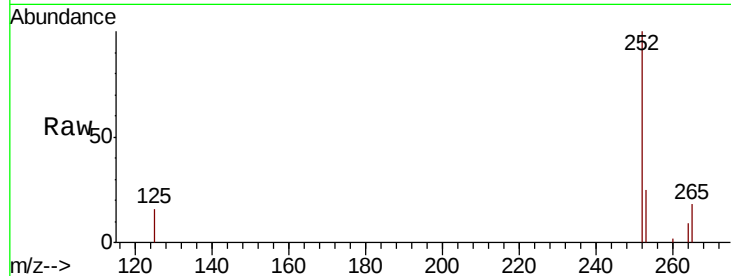
Tot Ion:252 Resp: 17267

Ion Ratio Lower Upper

252 100

253 25.2 20.2 30.4

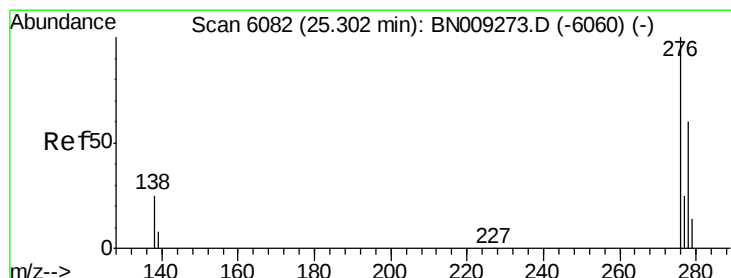
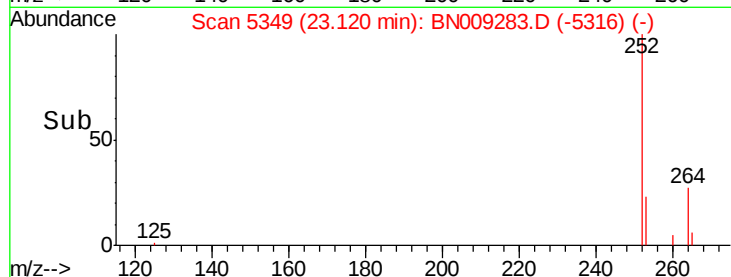
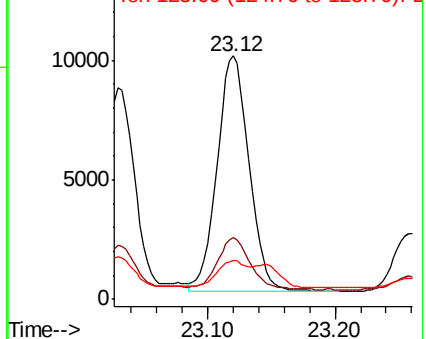
125 15.8 13.2 19.8



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: 0.434 ng/ul

RT: 25.30 min Scan# 6082

Delta R.T. -0.00 min

Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

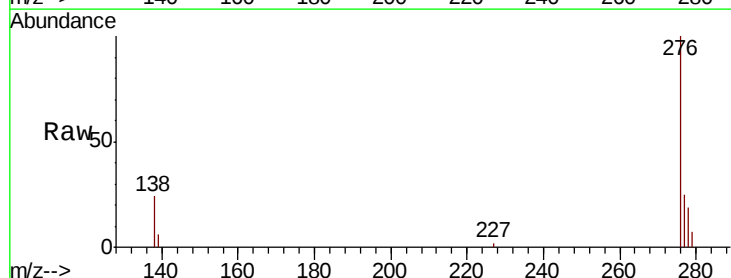
Tgt Ion:276 Resp: 14126

Ion Ratio Lower Upper

276 100

138 21.8 22.4 33.6#

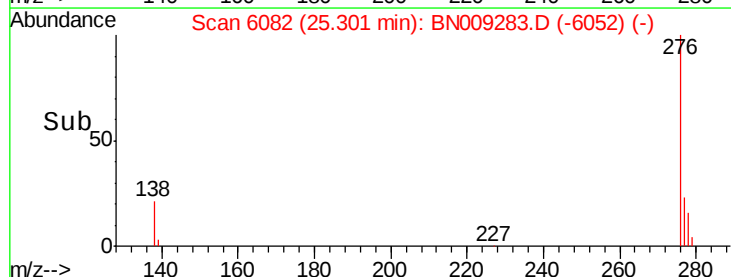
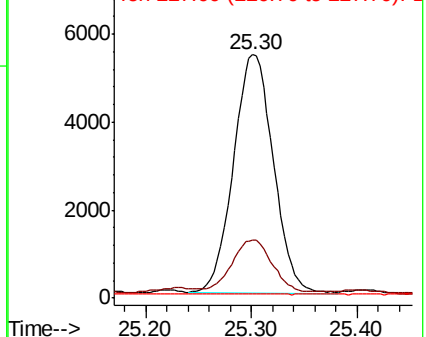
227 0.2 0.2 0.4#

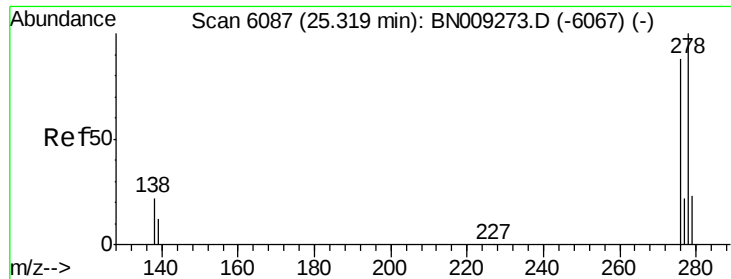


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

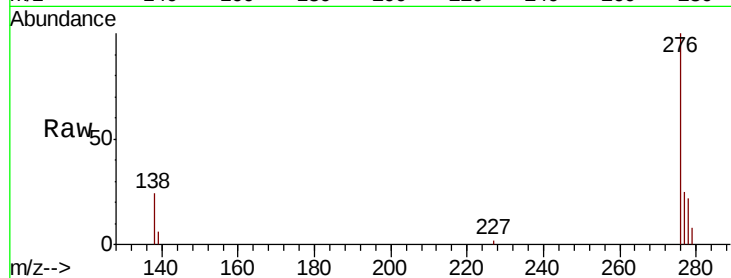




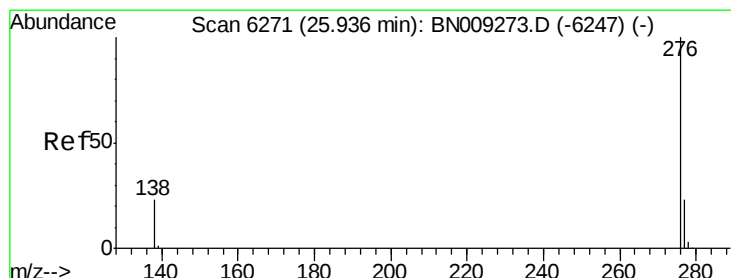
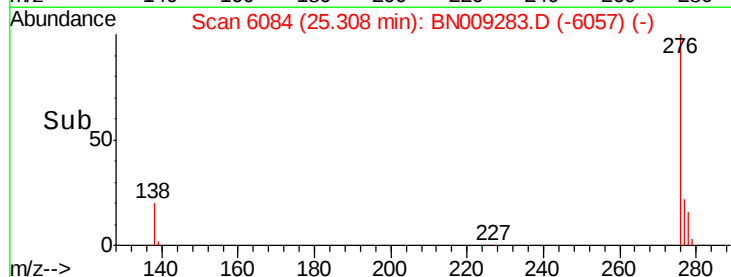
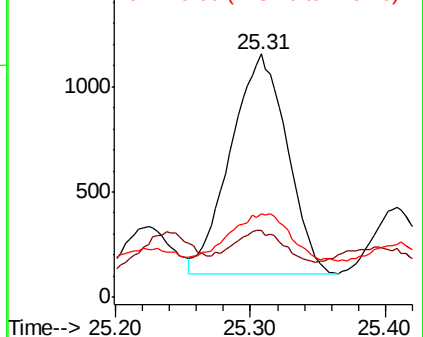
#25
Dibenzo(a,h)anthracene
Concen: 0.118 ng/ul
RT: 25.31 min Scan# 6084
Delta R.T. -0.01 min
Lab File: BN009283.D
Acq: 31 Dec 2019 16:12

Instrument :
BNA_N
ClientSampled :

Tot Ion:278 Resp: 3059
Ion Ratio Lower Upper
278 100
139 27.5 16.2 24.2#
279 34.5 20.3 30.5#

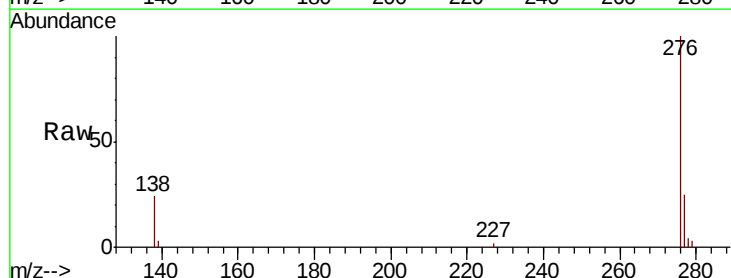


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.532 ng/ul
RT: 25.93 min Scan# 6270
Delta R.T. -0.00 min
Lab File: BN009283.D
Acq: 31 Dec 2019 16:12

Tgt Ion:276 Resp: 14560
Ion Ratio Lower Upper
276 100
138 24.3 20.6 30.8
277 24.5 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

