

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112019\
 Data File : BN008671.D
 Acq On : 20 Nov 2019 21:32
 Operator : JU
 Sample : K5851-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Nov 21 00:43:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 20 04:45:41 2019
 Response via : Initial Calibration

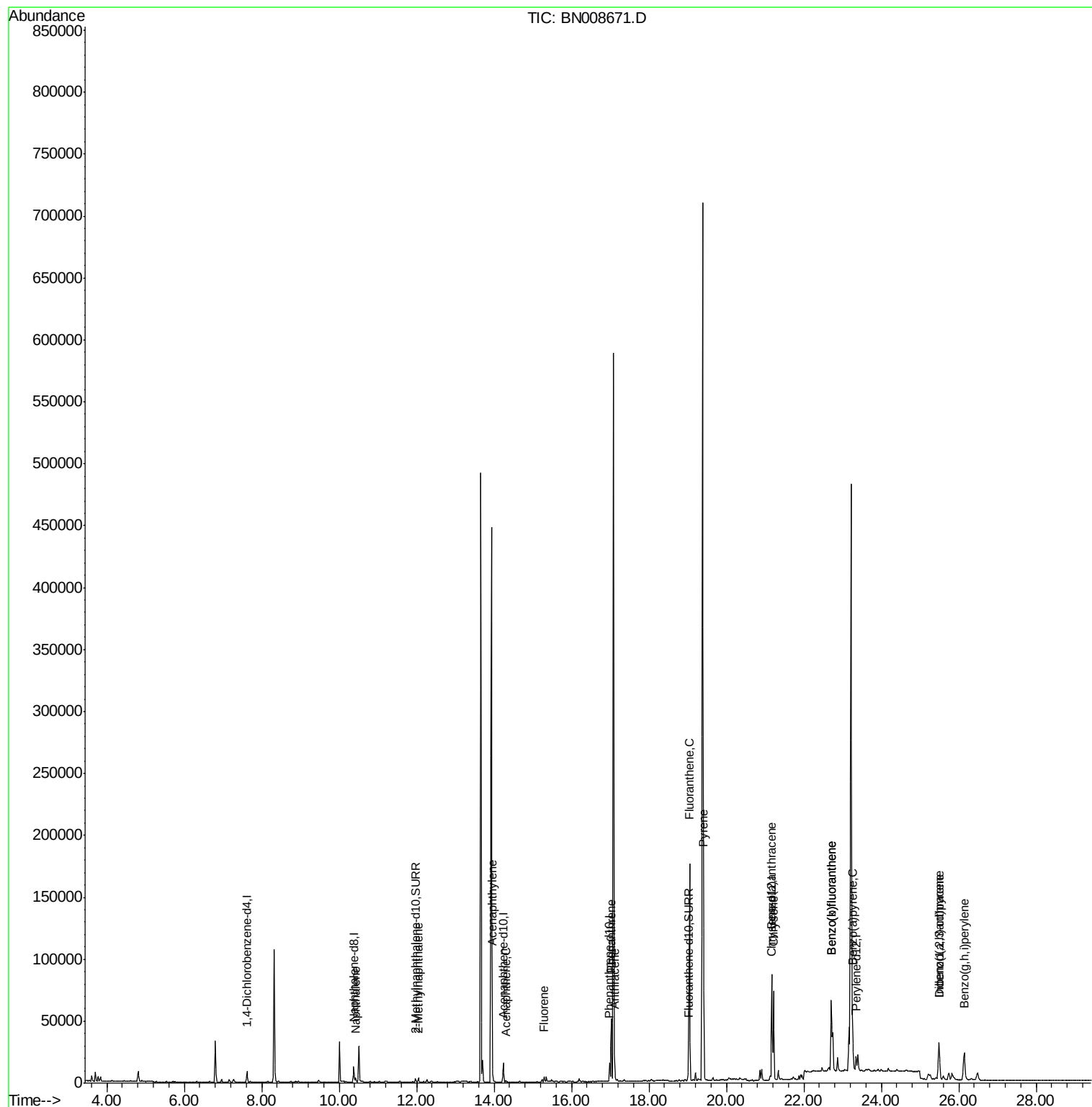
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	4060	0.40	ng/ul	0.00
2) Naphthalene-d8	10.38	136	15244	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	8365	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.98	188	17425	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	14049	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	13930	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	3751	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	8784	0.17	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.42	128	4043	0.088	ng/ul	96
5) 2-Methylnaphthalene	12.04	142	2408	0.075	ng/ul	99
7) Acenaphthylene	13.95	152	9818	0.212	ng/ul	99
8) Acenaphthene	14.30	153	820	0.024	ng/ul	95
9) Fluorene	15.29	166	2568	0.064	ng/ul#	95
12) Phenanthrene	17.02	178	52617	0.895	ng/ul	99
13) Anthracene	17.11	178	13631	0.245	ng/ul	98
15) Fluoranthene	19.05	202	150797	2.089	ng/ul	96
17) Pyrene	19.41	202	123661	2.194	ng/ul	99
18) Benzo(a)anthracene	21.16	228	69591	1.232	ng/ul	97
19) Chrysene	21.22	228	68235	1.230	ng/ul	97
21) Benzo(b)fluoranthene	22.71	252	122985	2.141	ng/ul	96
22) Benzo(k)fluoranthene	22.71	252	122985	2.159	ng/ul	97
23) Benzo(a)pyrene	23.26	252	63424	1.176	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.49	276	43948	0.697	ng/ul	96
25) Dibenzo(a,h)anthracene	25.49	278	10360	0.203	ng/ul#	72
26) Benzo(a,h,i)perylene	26.14	276	43531	0.825	ng/ul	98

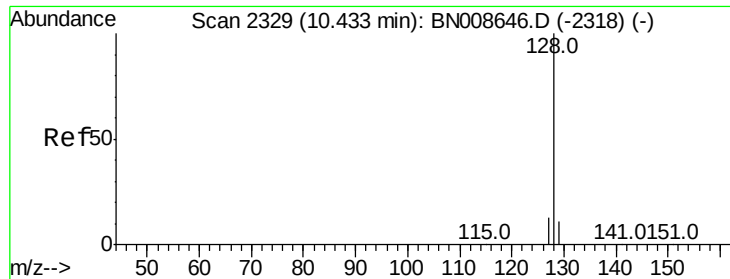
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN11519.M
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QLast Update : Wed Nov 20 04:45:41 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.088 ng/ul

RT: 10.42 min Scan# 2327

Delta R.T. -0.01 min

Lab File: BN008671.D

Acq: 20 Nov 2019 21:32

Instrument :

BNA_N

ClientSampleId :

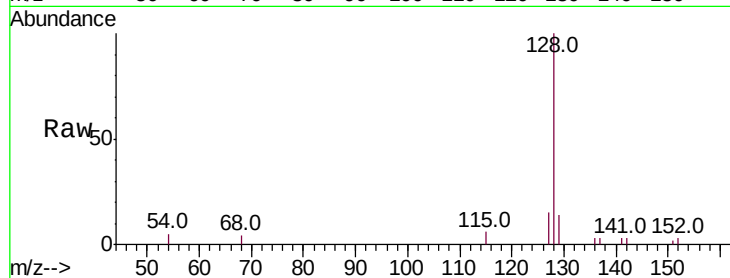
Tot Ion:128 Resp: 4043

Ion Ratio Lower Upper

128 100

129 13.8 9.7 14.5

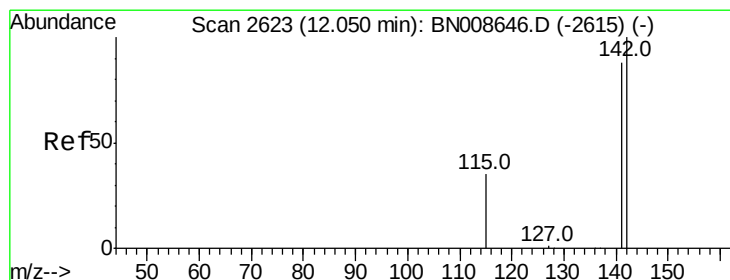
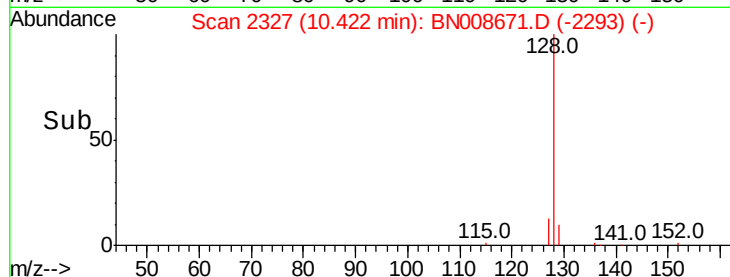
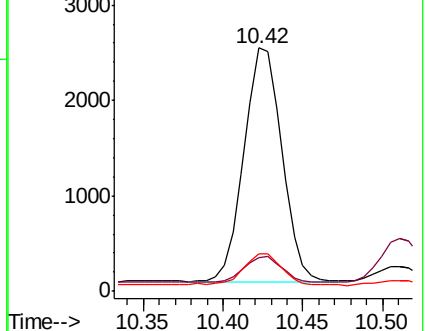
127 15.2 10.8 16.2



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: 0.075 ng/ul

RT: 12.04 min Scan# 2622

Delta R.T. -0.01 min

Lab File: BN008671.D

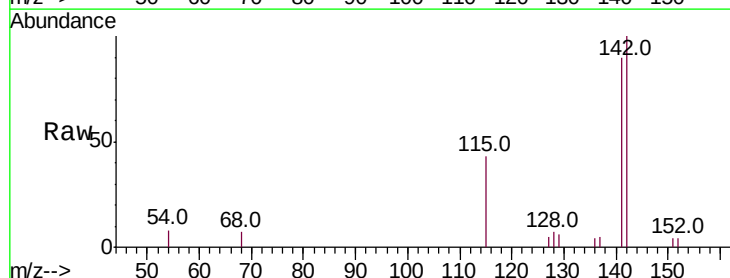
Acq: 20 Nov 2019 21:32

Tgt Ion:142 Resp: 2408

Ion Ratio Lower Upper

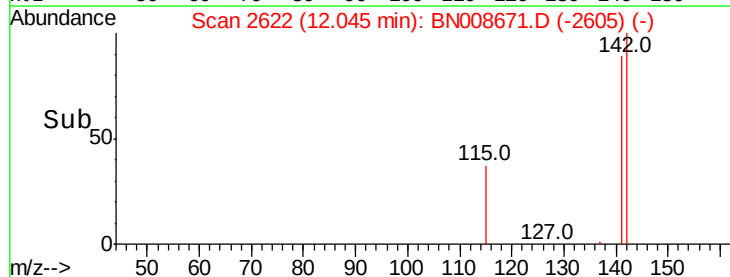
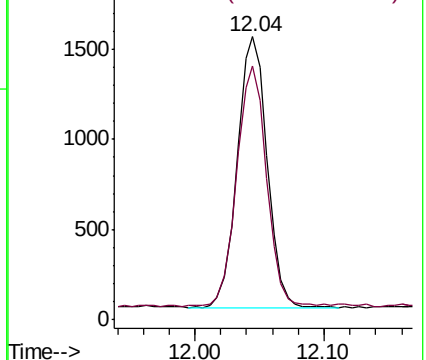
142 100

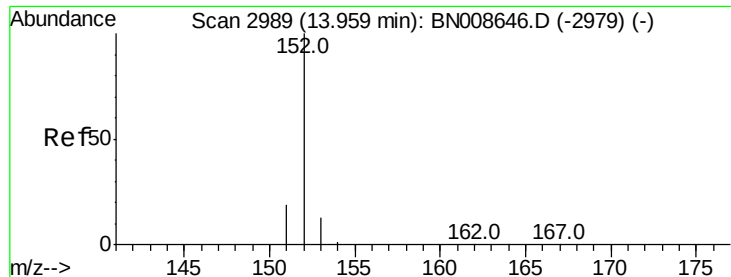
141 88.9 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.212 ng/ul

RT: 13.95 min Scan# 2988

Delta R.T. -0.00 min

Lab File: BN008671.D

Acq: 20 Nov 2019 21:32

Instrument :

BNA_N

ClientSampleId :

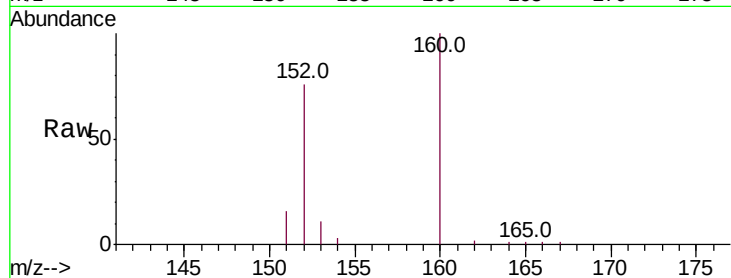
Tot Ion:152 Resp: 9818

Ion Ratio Lower Upper

152 100

151 20.5 16.6 24.8

153 14.2 11.1 16.7

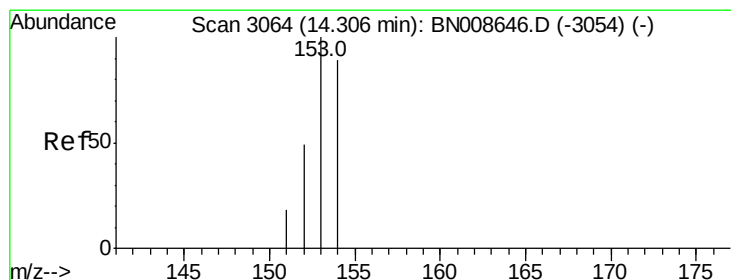
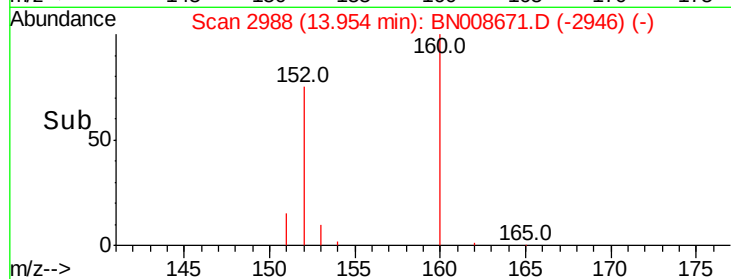
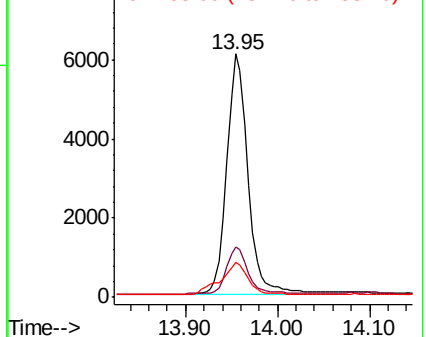


Abundance

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: 0.024 ng/ul

RT: 14.30 min Scan# 3063

Delta R.T. -0.00 min

Lab File: BN008671.D

Acq: 20 Nov 2019 21:32

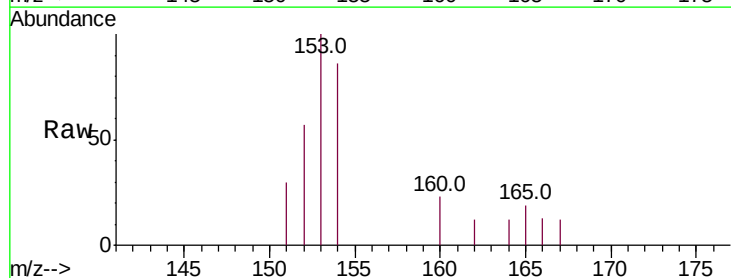
Tgt Ion:153 Resp: 820

Ion Ratio Lower Upper

153 100

152 57.0 39.6 59.4

154 86.1 70.6 106.0

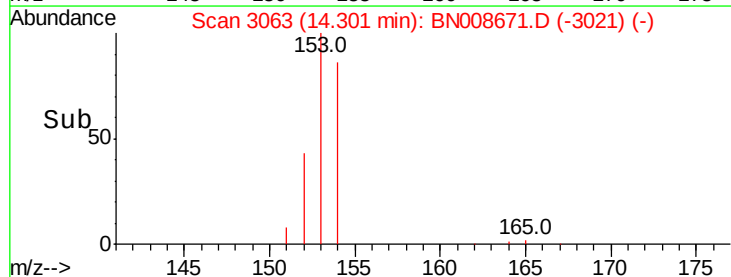
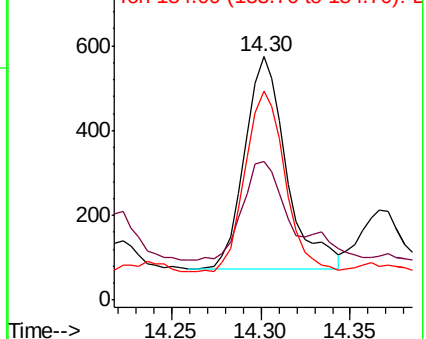


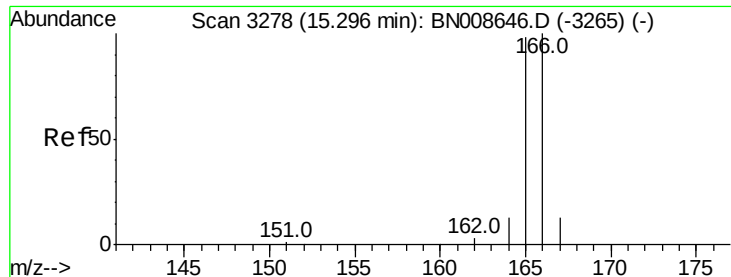
Abundance

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: 0.064 ng/ul

RT: 15.29 min Scan# 3277

Delta R.T. -0.00 min

Lab File: BN008671.D

Acq: 20 Nov 2019 21:32

Instrument :

BNA_N

ClientSampleId :

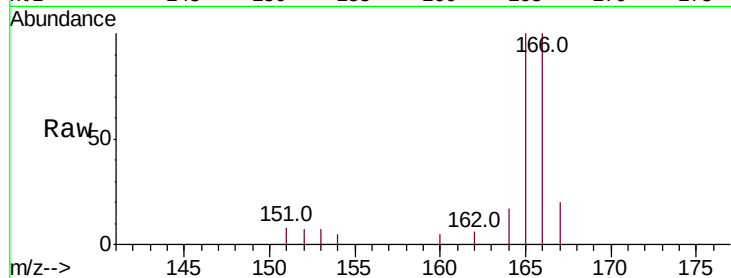
Tot Ion:166 Resp: 2568

Ion Ratio Lower Upper

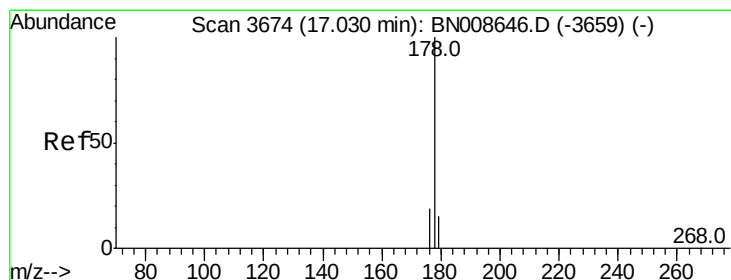
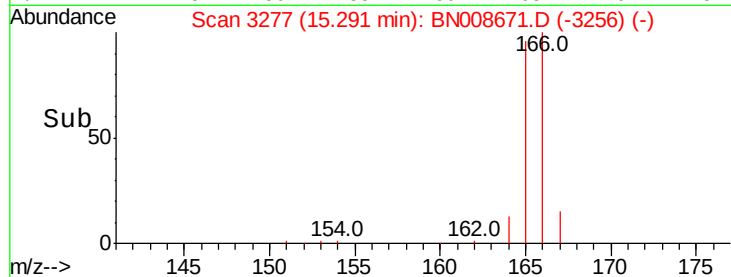
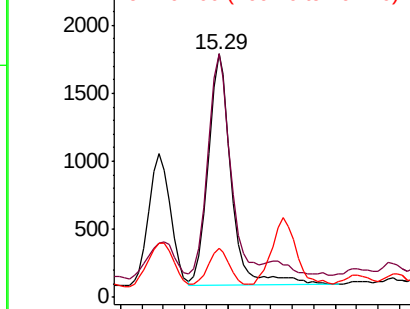
166 100

165 99.9 77.4 116.0

167 20.0 11.4 17.0#



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: 0.895 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. -0.01 min

Lab File: BN008671.D

Acq: 20 Nov 2019 21:32

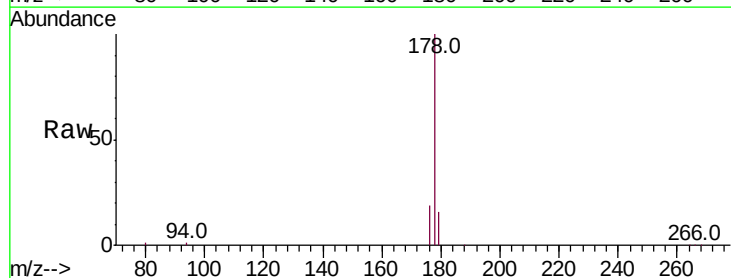
Tgt Ion:178 Resp: 52617

Ion Ratio Lower Upper

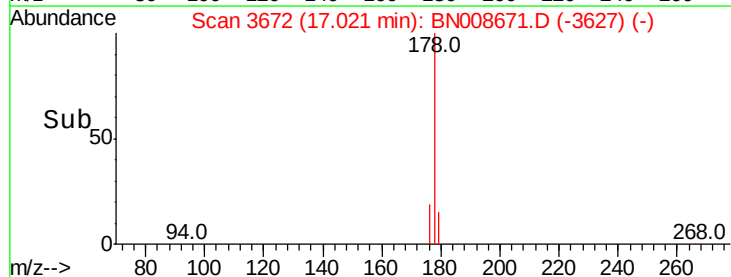
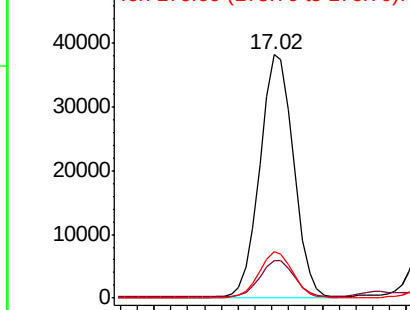
178 100

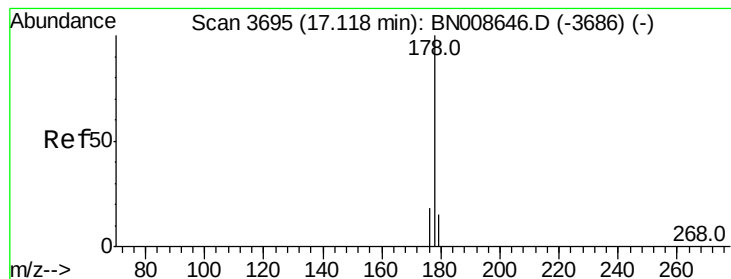
179 15.6 12.8 19.2

176 19.1 16.0 24.0



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: 0.245 ng/ul

RT: 17.11 min Scan# 3694

Delta R.T. -0.00 min

Lab File: BN008671.D

Acq: 20 Nov 2019 21:32

Instrument :

BNA_N

ClientSampleId :

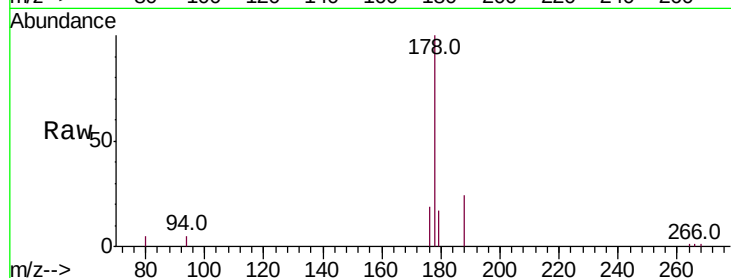
Tot Ion:178 Resp: 13631

Ion Ratio Lower Upper

178 100

179 17.3 13.0 19.4

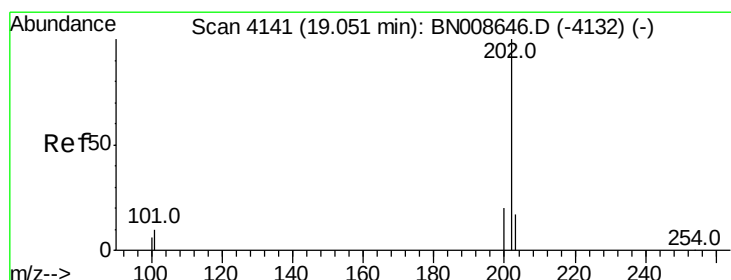
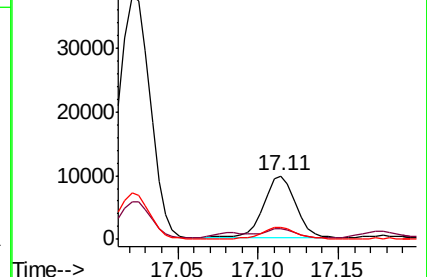
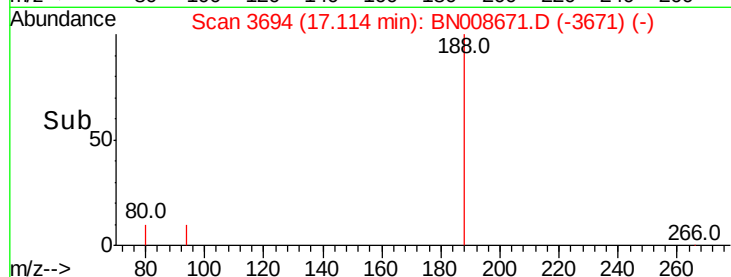
176 19.4 15.3 22.9



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: 2.089 ng/ul

RT: 19.05 min Scan# 4140

Delta R.T. -0.00 min

Lab File: BN008671.D

Acq: 20 Nov 2019 21:32

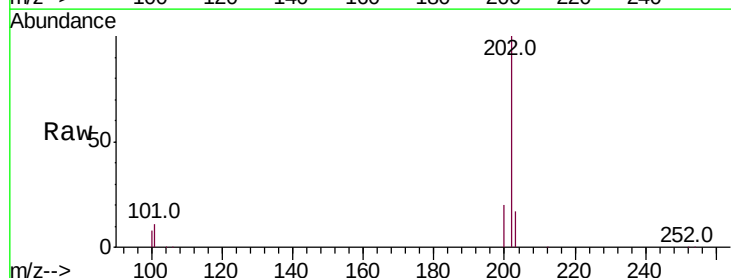
Tgt Ion:202 Resp: 150797

Ion Ratio Lower Upper

202 100

101 11.1 0.0 29.6

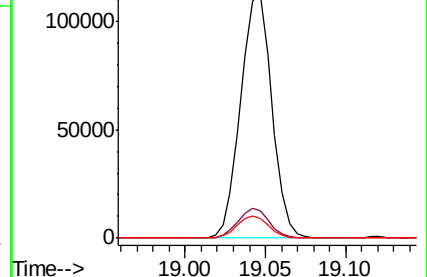
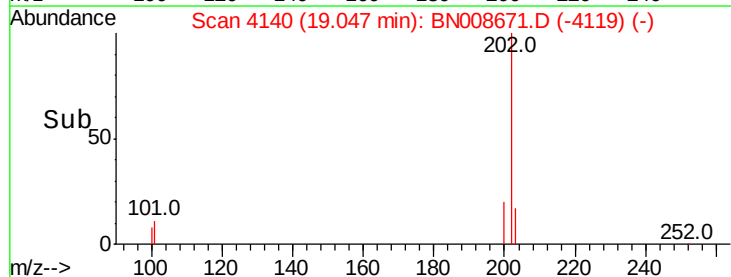
100 8.2 0.0 27.0

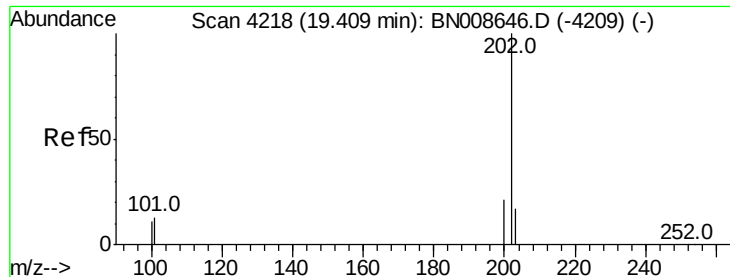


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

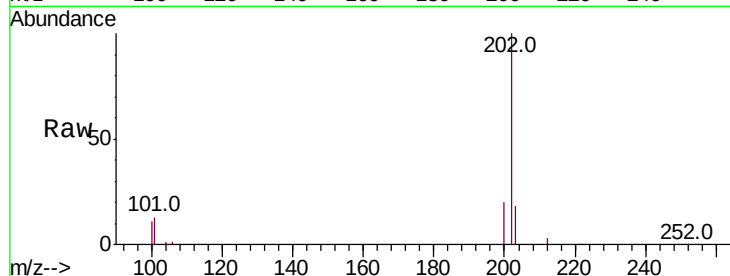




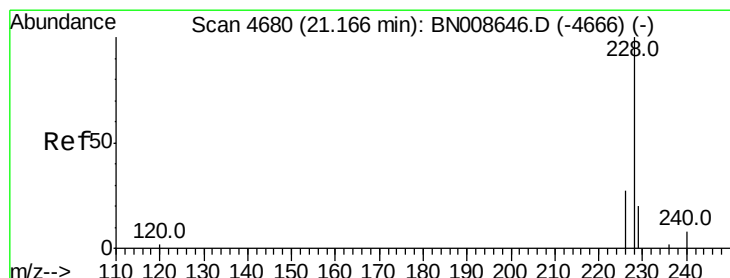
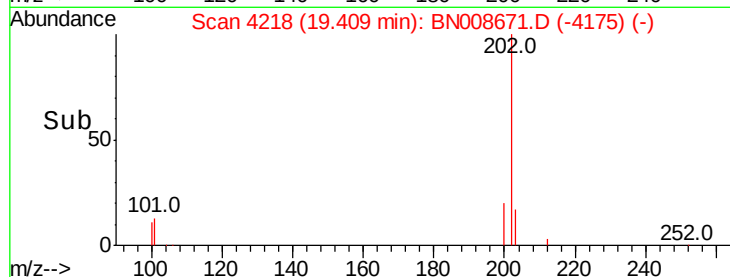
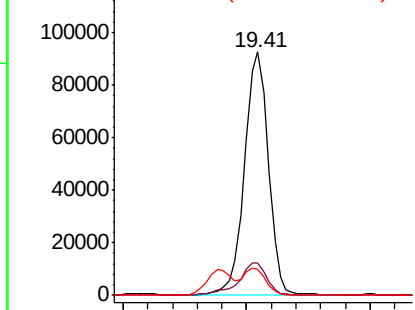
#17
Pvrene
Concen: 2.194 ng/ul
RT: 19.41 min Scan# 4218
Delta R.T. 0.00 min
Lab File: BN008671.D
Acq: 20 Nov 2019 21:32

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 123661
Ion Ratio Lower Upper
202 100
101 13.2 10.2 15.2
100 10.6 8.2 12.2

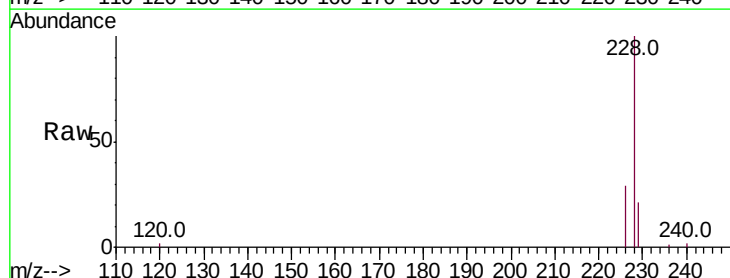


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

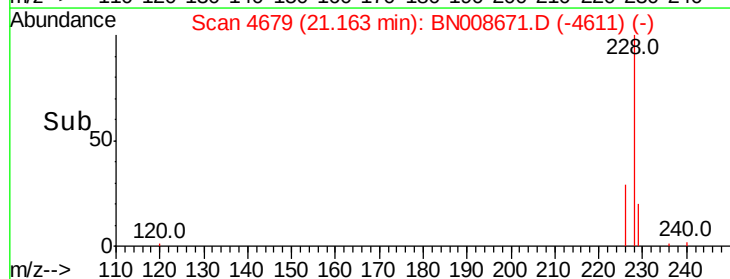
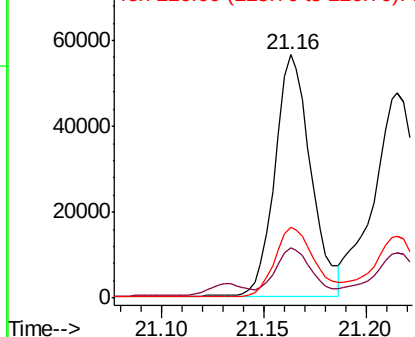


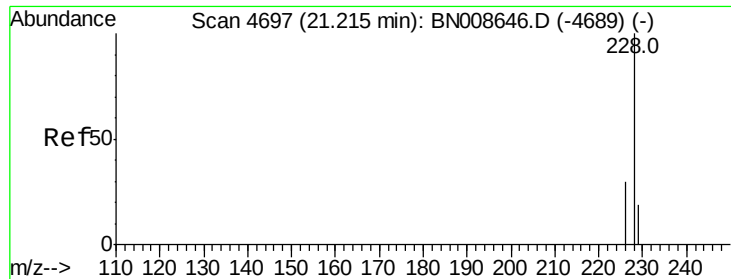
#18
Benzo(a)anthracene
Concen: 1.232 ng/ul
RT: 21.16 min Scan# 4679
Delta R.T. -0.00 min
Lab File: BN008671.D
Acq: 20 Nov 2019 21:32

Tgt Ion:228 Resp: 69591
Ion Ratio Lower Upper
228 100
229 20.6 15.8 23.6
226 29.0 21.6 32.4



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: 1.230 ng/ul

RT: 21.22 min Scan# 4697

Delta R.T. 0.00 min

Lab File: BN008671.D

Acq: 20 Nov 2019 21:32

Instrument :

BNA_N

ClientSampleId :

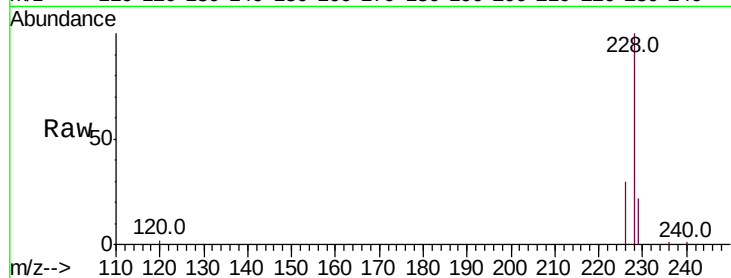
Tot Ion:228 Resp: 68235

Ion Ratio Lower Upper

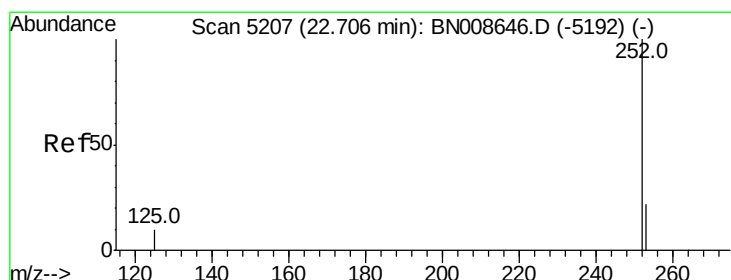
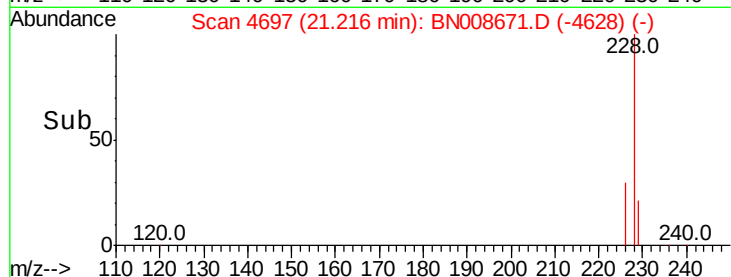
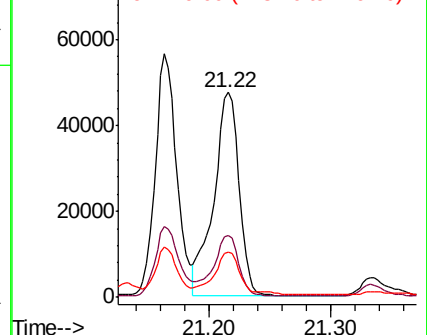
228 100

226 30.3 24.5 36.7

229 22.1 15.5 23.3



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: 2.141 ng/ul

RT: 22.71 min Scan# 5207

Delta R.T. 0.00 min

Lab File: BN008671.D

Acq: 20 Nov 2019 21:32

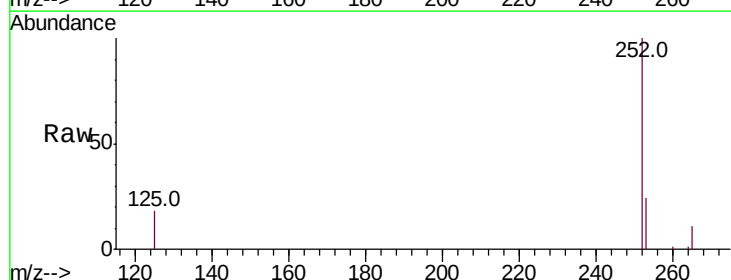
Tgt Ion:252 Resp: 122985

Ion Ratio Lower Upper

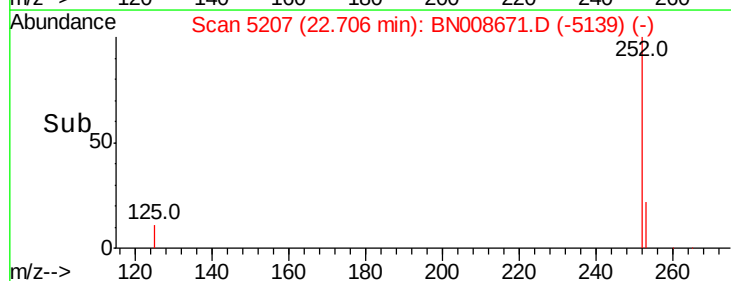
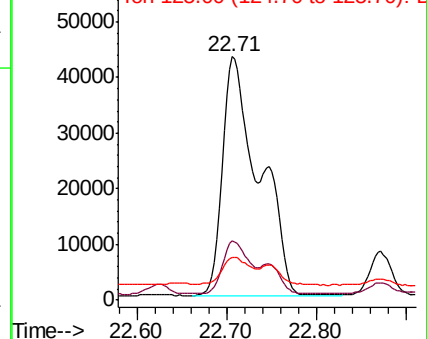
252 100

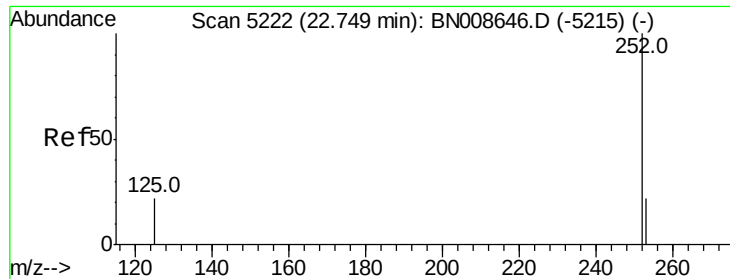
253 24.2 0.0 50.2

125 17.6 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: 2.159 ng/ul

RT: 22.71 min Scan# 5207

Delta R.T. -0.04 min

Lab File: BN008671.D

Acq: 20 Nov 2019 21:32

Instrument :

BNA_N

ClientSampled :

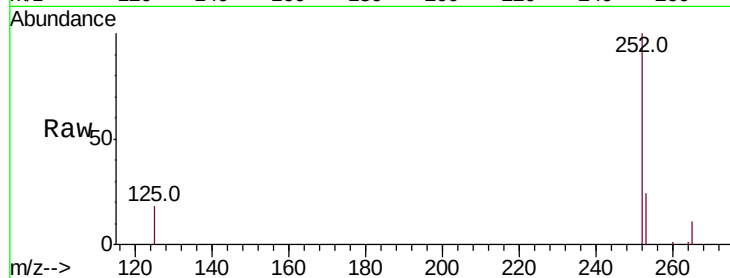
Tot Ion:252 Resp: 122985

Ion Ratio Lower Upper

252 100

253 24.2 20.5 30.7

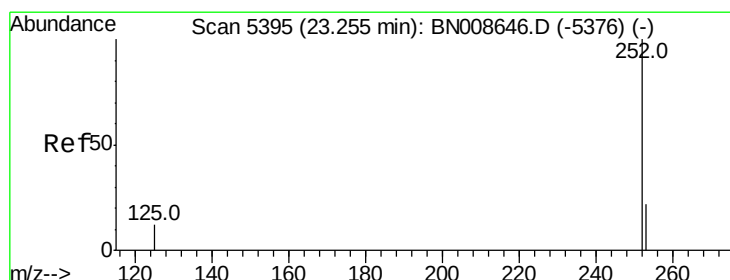
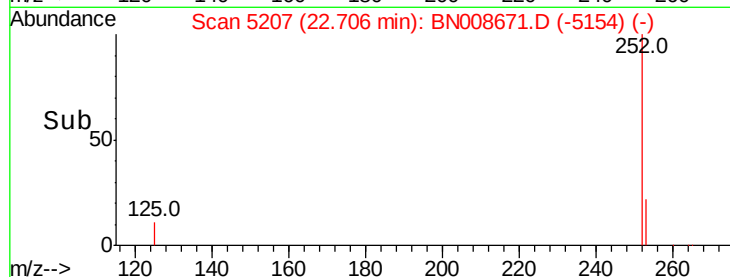
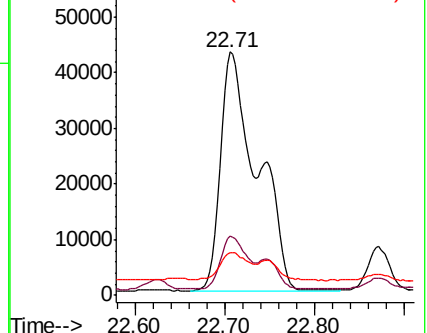
125 17.6 15.0 22.4



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: 1.176 ng/ul

RT: 23.26 min Scan# 5395

Delta R.T. 0.00 min

Lab File: BN008671.D

Acq: 20 Nov 2019 21:32

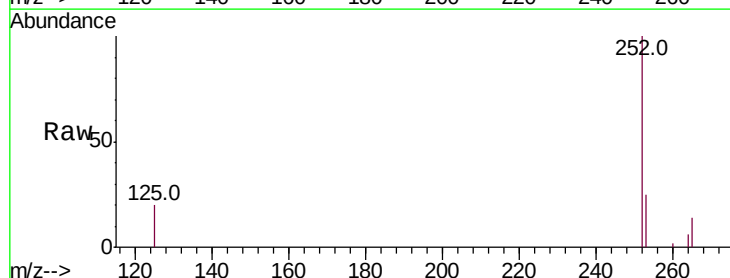
Tgt Ion:252 Resp: 63424

Ion Ratio Lower Upper

252 100

253 24.7 21.4 32.2

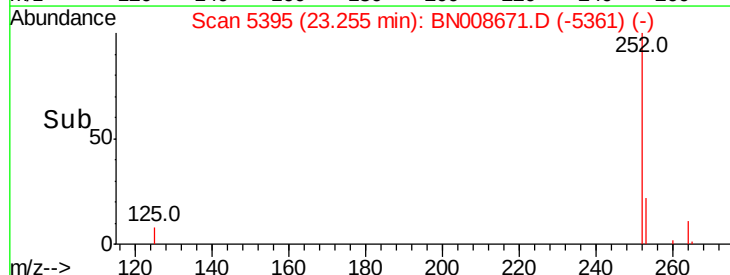
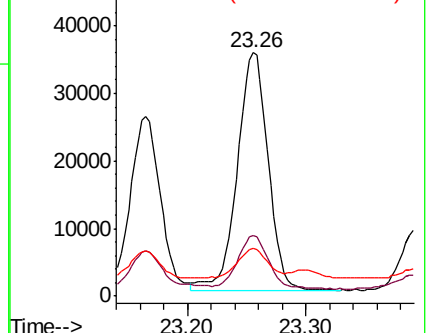
125 19.5 13.8 20.8

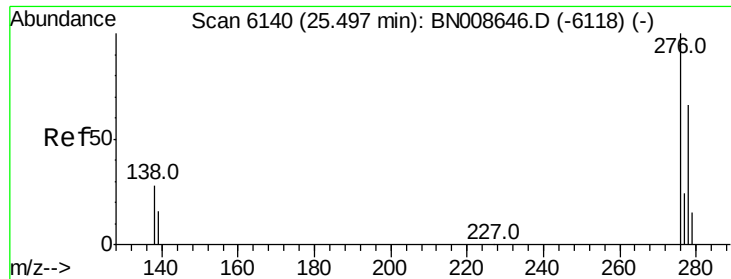


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



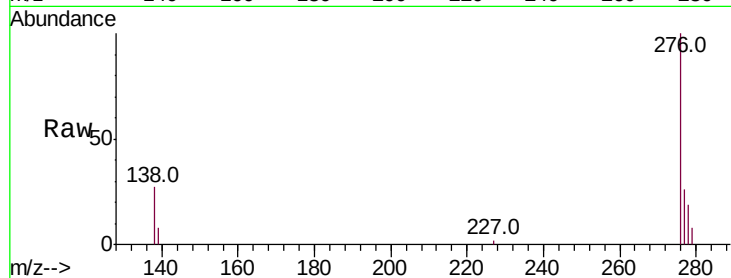


#24

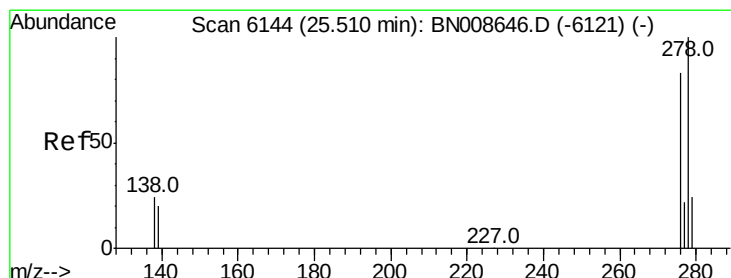
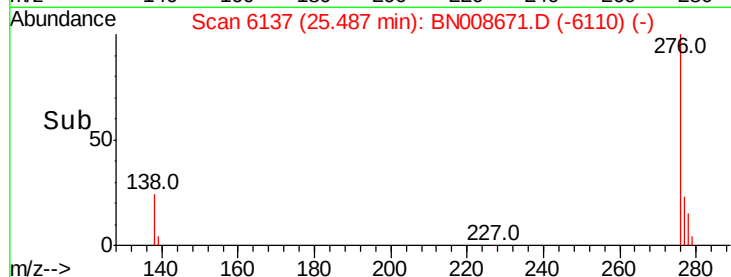
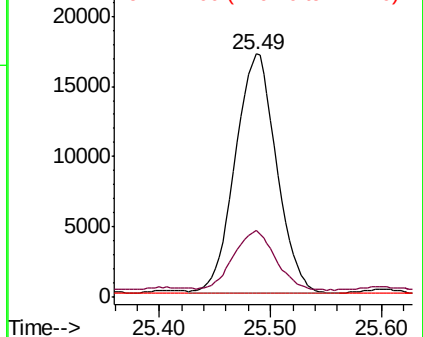
Indeno(1,2,3-cd)pyrene
Concen: 0.697 ng/ul
RT: 25.49 min Scan# 6137
Delta R.T. -0.01 min
Lab File: BN008671.D
Acq: 20 Nov 2019 21:32

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 43948
Ion Ratio Lower Upper
276 100
138 25.3 21.7 32.5
227 0.2 0.2 0.2



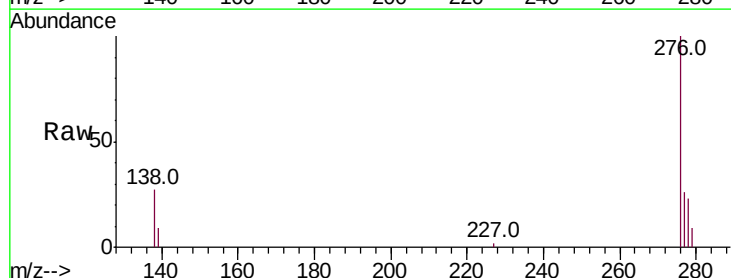
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



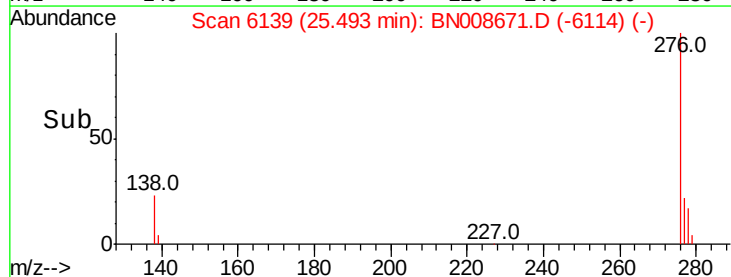
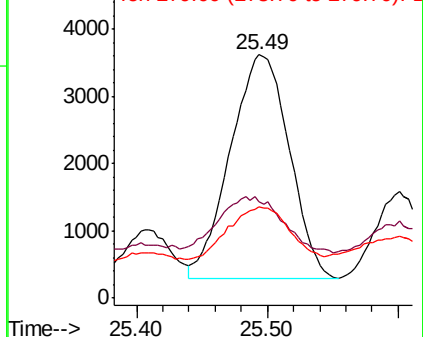
#25

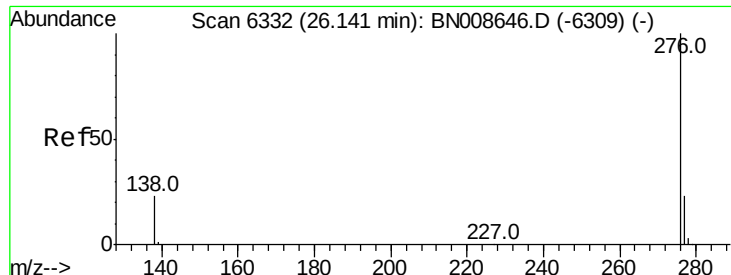
Dibenzo(a,h)anthracene
Concen: 0.203 ng/ul
RT: 25.49 min Scan# 6139
Delta R.T. -0.02 min
Lab File: BN008671.D
Acq: 20 Nov 2019 21:32

Tgt Ion:278 Resp: 10360
Ion Ratio Lower Upper
278 100
139 39.8 18.7 28.1#
279 37.5 20.8 31.2#



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(a,h,i)perylene

Concen: 0.825 ng/ul

RT: 26.14 min Scan# 6332

Delta R.T. 0.00 min

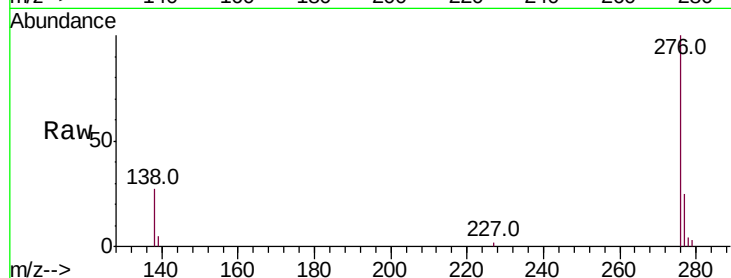
Lab File: BN008671.D

Acq: 20 Nov 2019 21:32

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 43531

Ion Ratio Lower Upper

276 100

138 26.7 20.0 30.0

277 25.2 20.0 30.0

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

