

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
 Data File : BN008186.D
 Acq On : 15 Oct 2019 22:49
 Operator : JU
 Sample : K5175-01DL 10X
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 16 03:43:39 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 : Tue Oct 15 15:13:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	2047	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.38	136	9993	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	6686	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.00	188	14633	0.40	ng/ul	0.00
16) Chrysene-d12	21.19	240	15505	0.40	ng/ul	-0.01
20) Perylene-d12	23.37	264	13366	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.99	152	378	0.02	ng/ul	0.00
14) Fluoranthene-d10	19.03	212	1265	0.03	ng/ul	-0.01

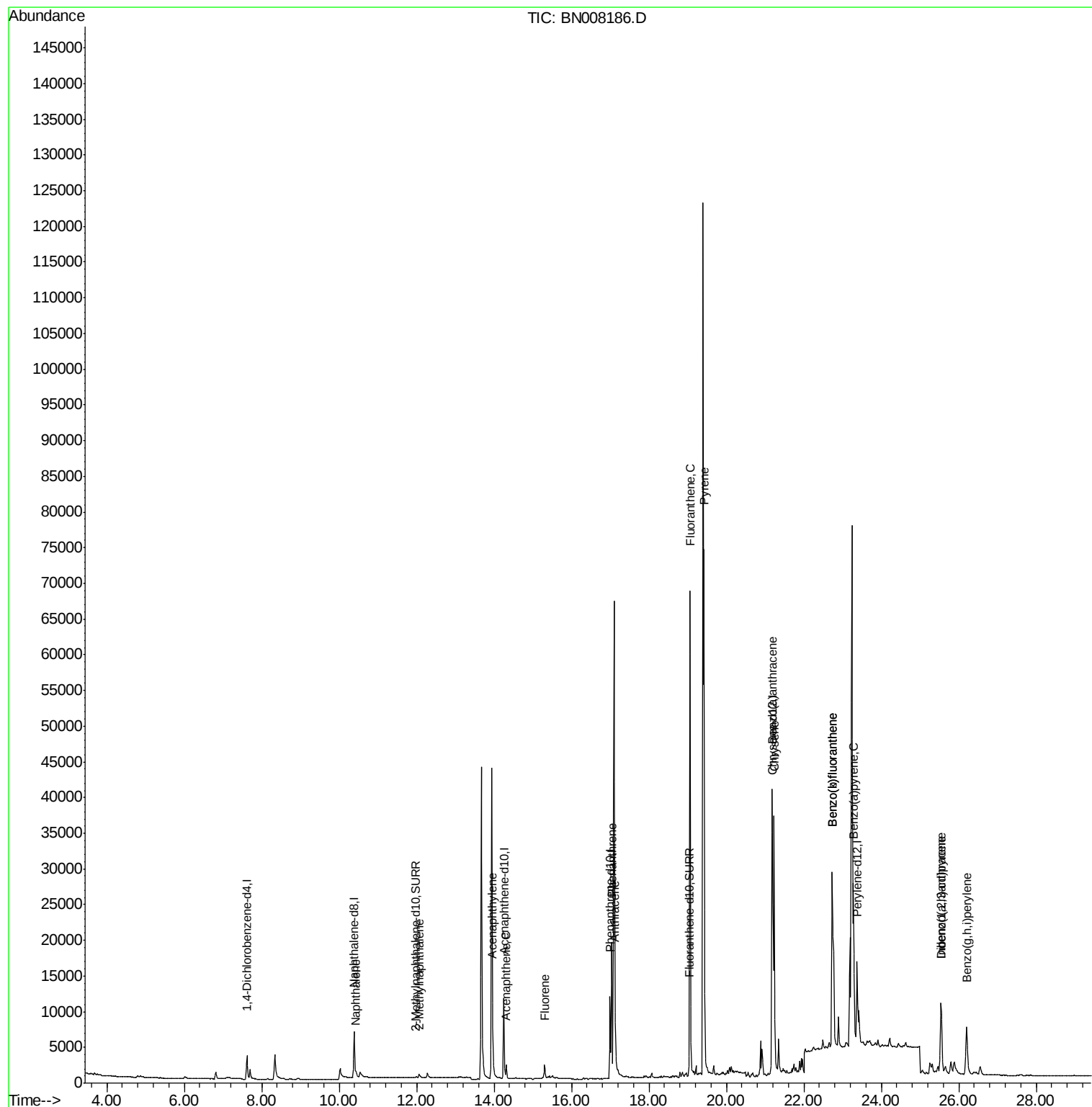
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.43	128	1002	0.035	ng/ul#	80
5) 2-Methylnaphthalene	12.06	142	593	0.030	ng/ul	100
7) Acenaphthylene	13.97	152	2565	0.081	ng/ul	94
8) Acenaphthene	14.31	153	1145	0.046	ng/ul	97
9) Fluorene	15.30	166	1414	0.050	ng/ul#	97
12) Phenanthrene	17.04	178	21793	0.509	ng/ul	100
13) Anthracene	17.13	178	4756	0.126	ng/ul	96
15) Fluoranthene	19.06	202	60224	1.064	ng/ul	98
17) Pyrene	19.42	202	62560	1.013	ng/ul	99
18) Benzo(a)anthracene	21.18	228	34201	0.607	ng/ul	97
19) Chrysene	21.23	228	39120	0.565	ng/ul	98
21) Benzo(b)fluoranthene	22.73	252	58144	1.336	ng/ul	96
22) Benzo(k)fluoranthene	22.73	252	58144	1.180	ng/ul	97
23) Benzo(a)pyrene	23.28	252	27714	0.605	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.54	276	17102	0.317	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.55	278	4216	0.099	ng/ul#	80
26) Benzo(a,h,i)perylene	26.20	276	14289	0.289	ng/ul	97

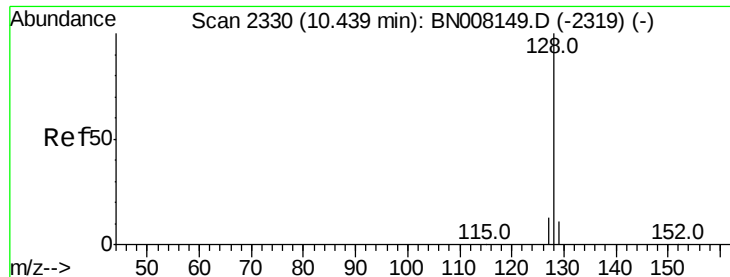
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.035 ng/ul

RT: 10.43 min Scan# 2329

Delta R.T. -0.01 min

Lab File: BN008186.D

Acq: 15 Oct 2019 22:49

Instrument :

BNA_N

ClientSampleId :

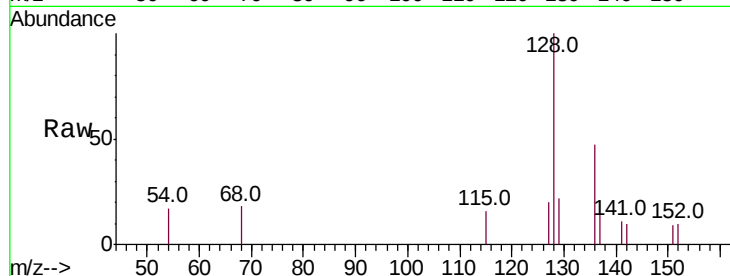
Tot Ion:128 Resp: 1002

Ion Ratio Lower Upper

128 100

129 22.1 9.8 14.8#

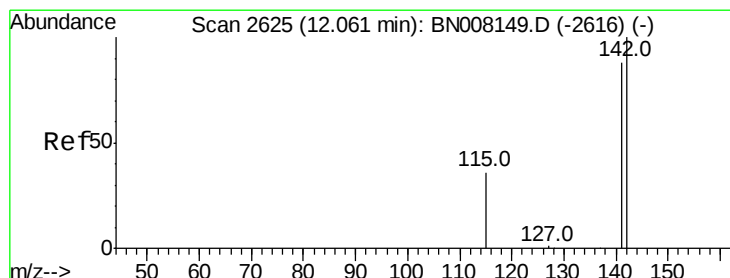
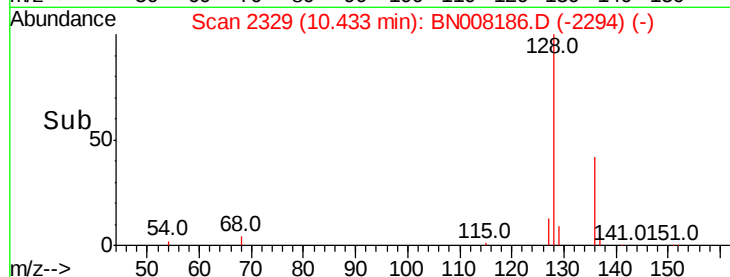
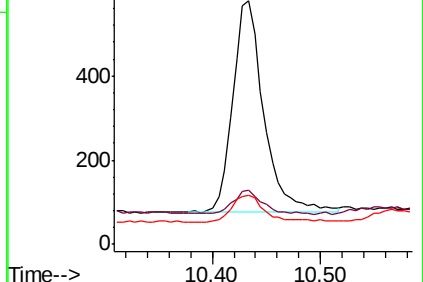
127 20.4 11.1 16.7#



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: 0.030 ng/ul

RT: 12.06 min Scan# 2625

Delta R.T. -0.01 min

Lab File: BN008186.D

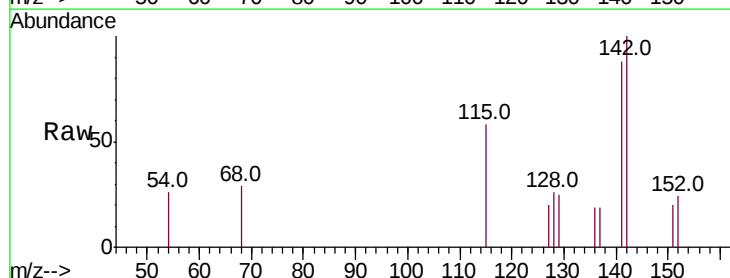
Acq: 15 Oct 2019 22:49

Tgt Ion:142 Resp: 593

Ion Ratio Lower Upper

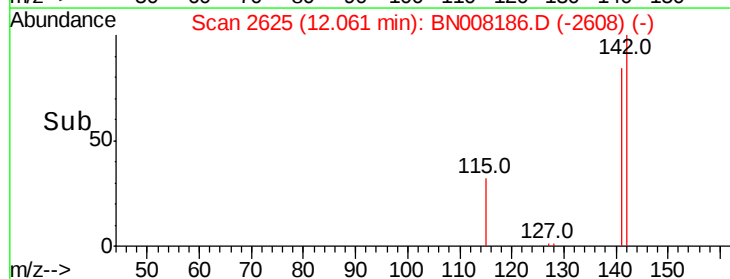
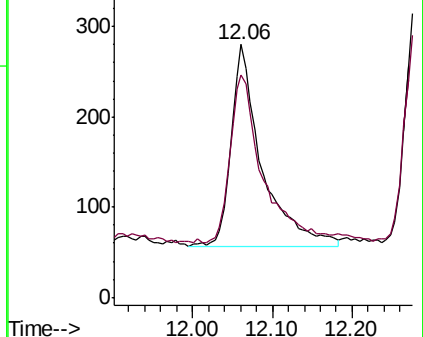
142 100

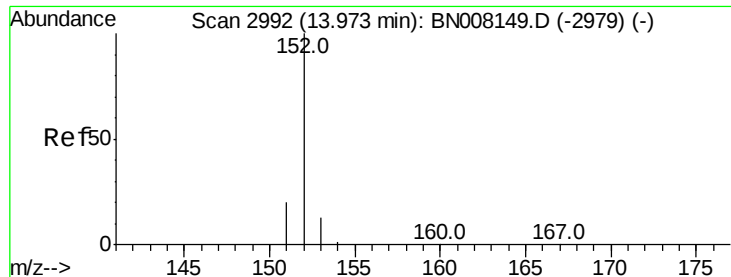
141 89.2 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.081 ng/ul

RT: 13.97 min Scan# 2991

Delta R.T. -0.01 min

Lab File: BN008186.D

Acq: 15 Oct 2019 22:49

Instrument :

BNA_N

ClientSampleId :

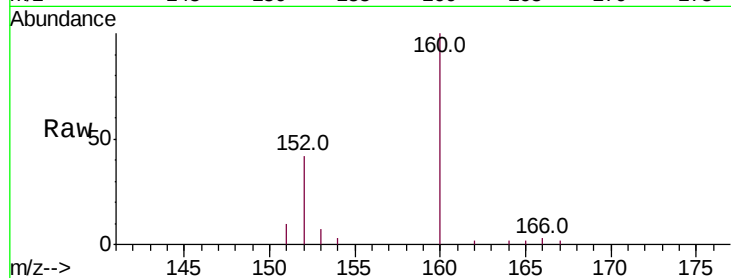
Tot Ion:152 Resp: 2565

Ion Ratio Lower Upper

152 100

151 22.6 16.2 24.4

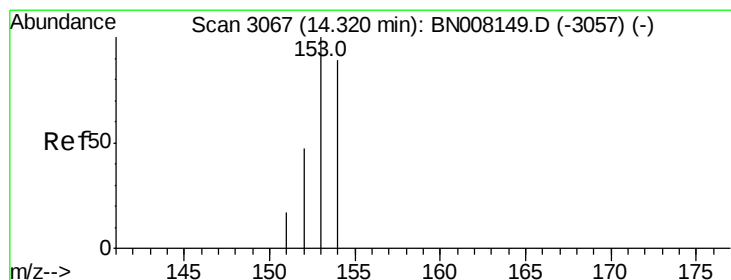
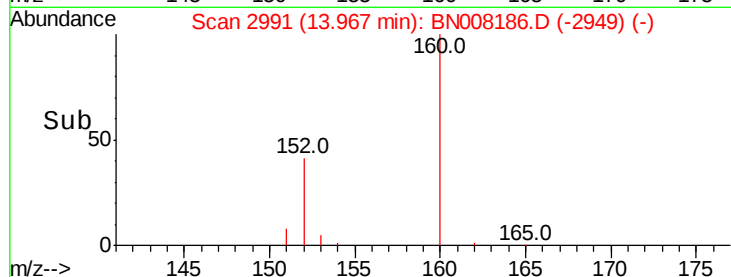
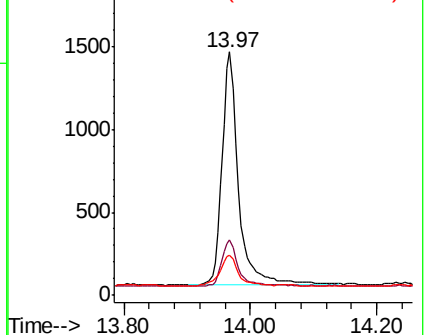
153 16.4 11.0 16.4



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



#8

Acenaphthene

Concen: 0.046 ng/ul

RT: 14.31 min Scan# 3065

Delta R.T. -0.01 min

Lab File: BN008186.D

Acq: 15 Oct 2019 22:49

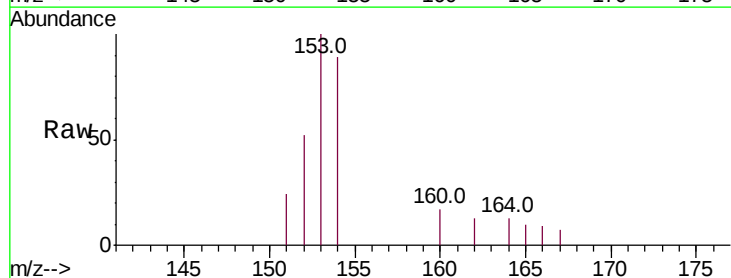
Tgt Ion:153 Resp: 1145

Ion Ratio Lower Upper

153 100

152 52.3 38.2 57.2

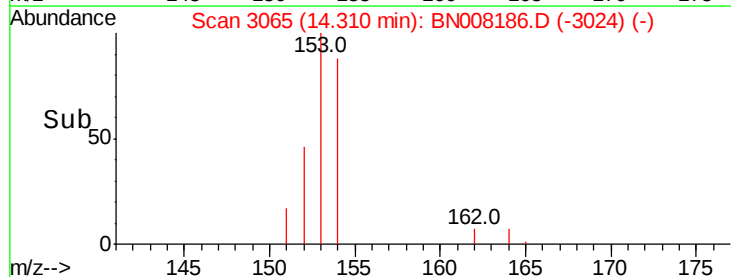
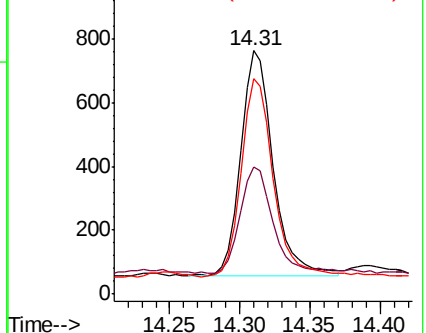
154 88.7 71.8 107.8

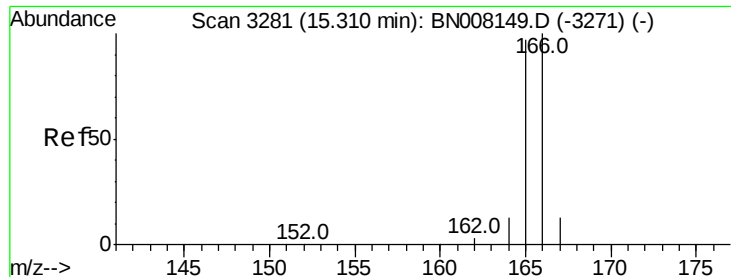


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.050 ng/ul

RT: 15.30 min Scan# 3280

Delta R.T. -0.01 min

Lab File: BN008186.D

Acq: 15 Oct 2019 22:49

Instrument :

BNA_N

ClientSampleId :

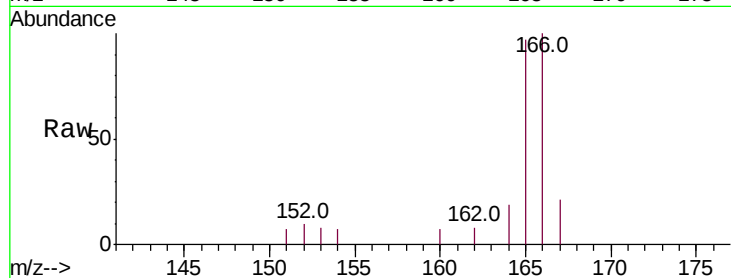
Tot Ion:166 Resp: 1414

Ion Ratio Lower Upper

166 100

165 97.0 76.6 115.0

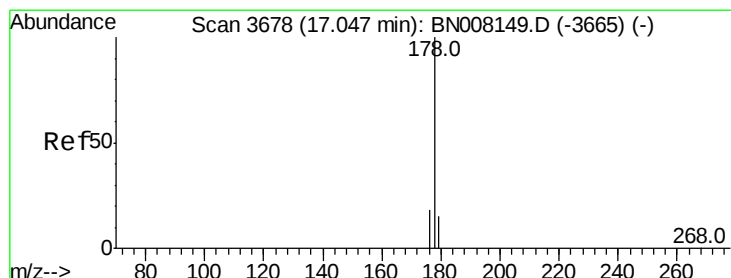
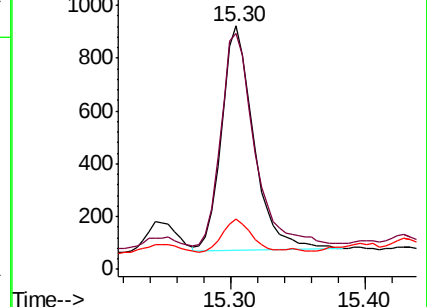
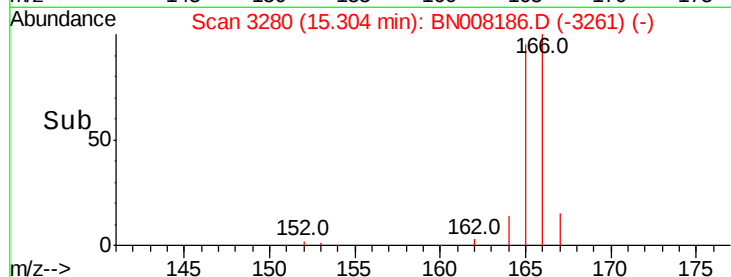
167 20.6 11.7 17.5#



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: 0.509 ng/ul

RT: 17.04 min Scan# 3676

Delta R.T. -0.01 min

Lab File: BN008186.D

Acq: 15 Oct 2019 22:49

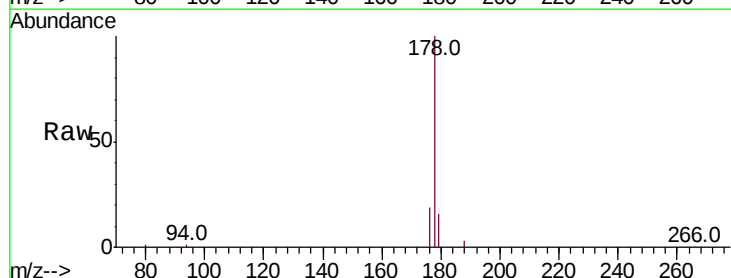
Tgt Ion:178 Resp: 21793

Ion Ratio Lower Upper

178 100

179 15.9 12.8 19.2

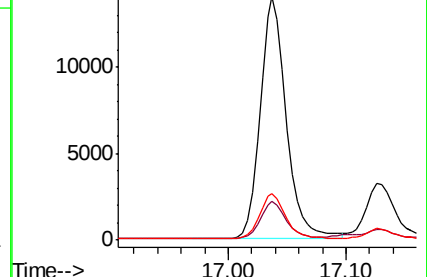
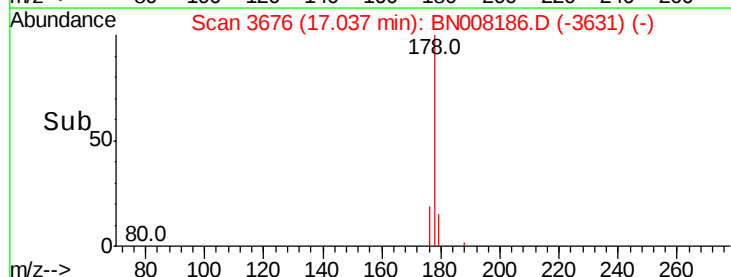
176 19.2 15.4 23.2

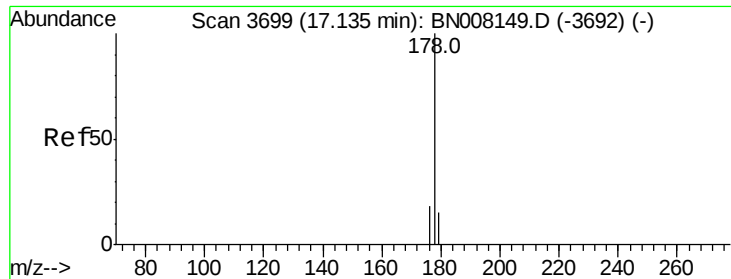


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.126 ng/ul

RT: 17.13 min Scan# 3697

Delta R.T. -0.01 min

Lab File: BN008186.D

Acq: 15 Oct 2019 22:49

Instrument :

BNA_N

ClientSampleId :

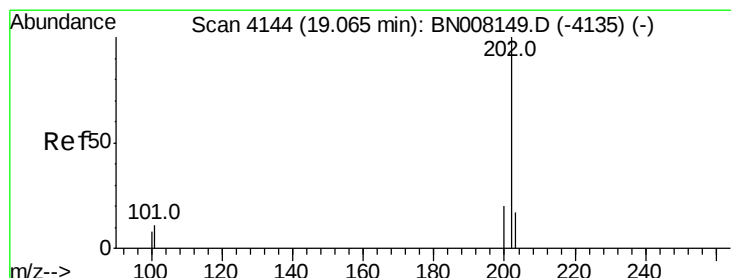
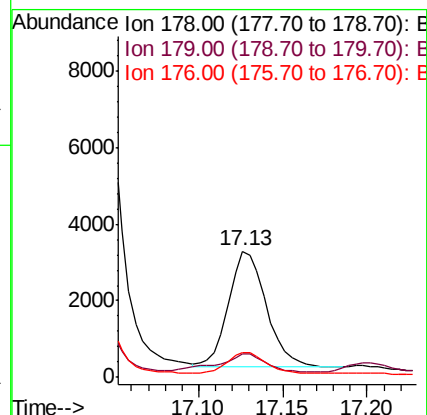
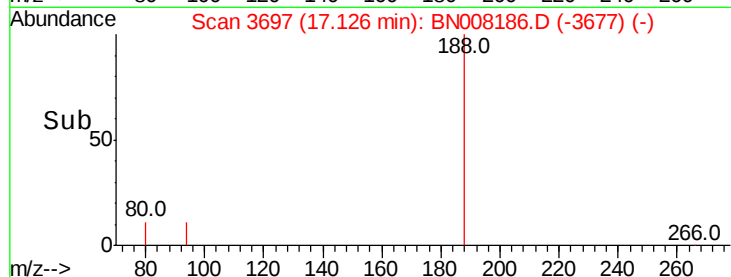
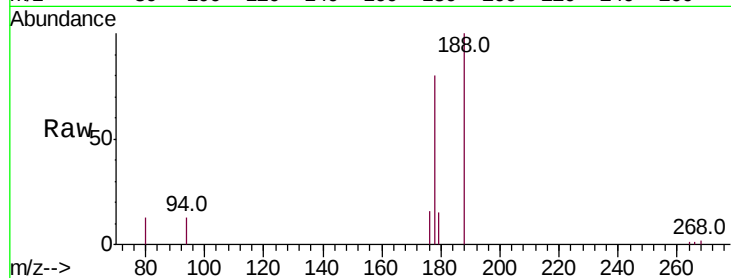
Tot Ion:178 Resp: 4756

Ion Ratio Lower Upper

178 100

179 18.8 13.0 19.6

176 19.9 15.0 22.6



#15

Fluoranthene

Concen: 1.064 ng/ul

RT: 19.06 min Scan# 4143

Delta R.T. -0.01 min

Lab File: BN008186.D

Acq: 15 Oct 2019 22:49

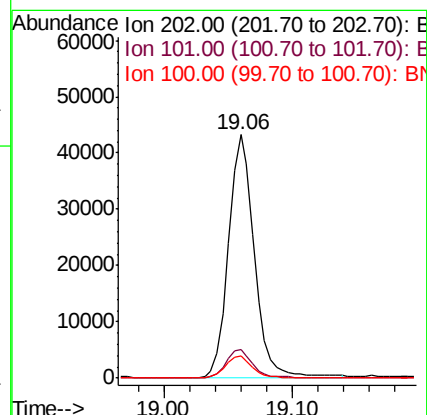
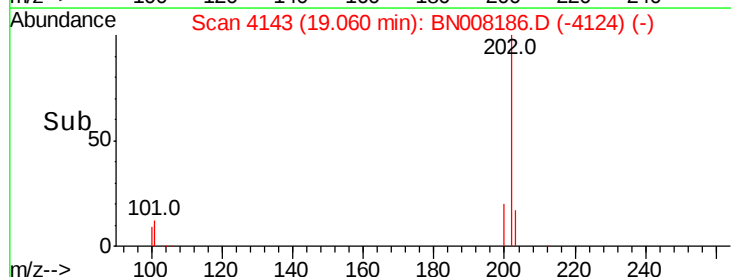
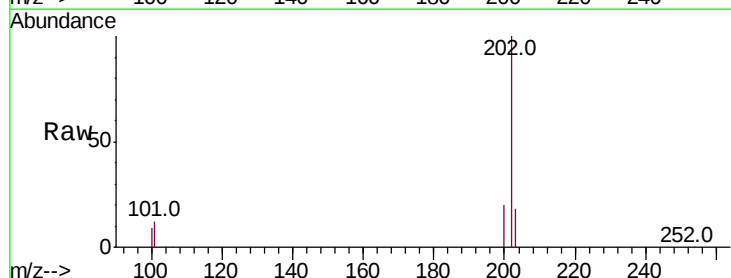
Tgt Ion:202 Resp: 60224

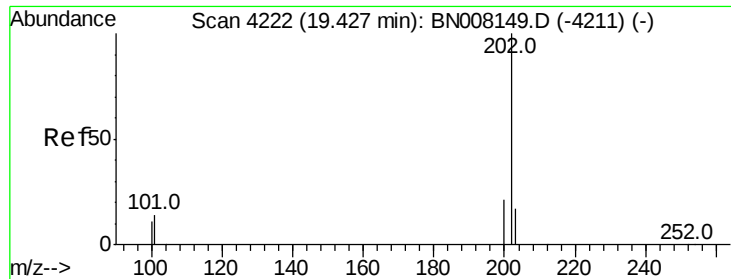
Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.2

100 9.0 0.0 28.5





#17

Pvrene

Concen: 1.013 ng/ul

RT: 19.42 min Scan# 4221

Delta R.T. -0.01 min

Lab File: BN008186.D

Acq: 15 Oct 2019 22:49

Instrument :

BNA_N

ClientSampleId :

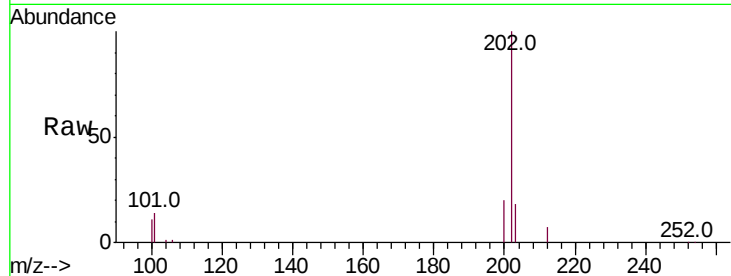
Tot Ion:202 Resp: 62560

Ion Ratio Lower Upper

202 100

101 14.0 10.9 16.3

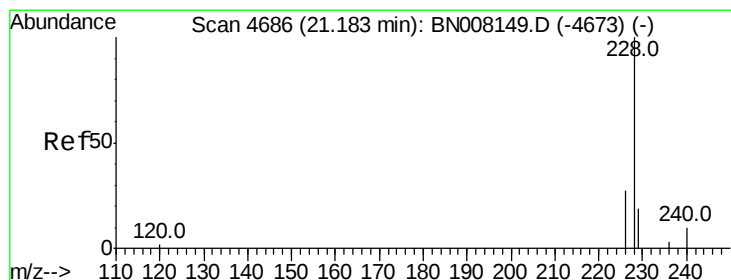
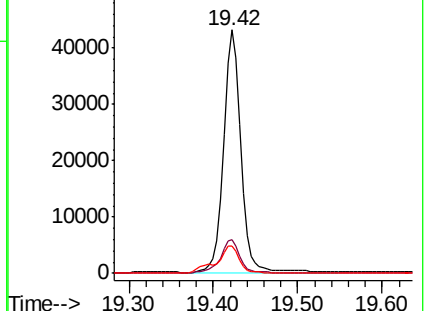
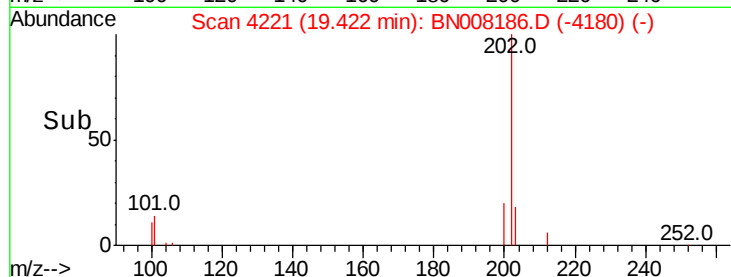
100 11.4 8.7 13.1



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): E



#18

Benzo(a)anthracene

Concen: 0.607 ng/ul

RT: 21.18 min Scan# 4684

Delta R.T. -0.02 min

Lab File: BN008186.D

Acq: 15 Oct 2019 22:49

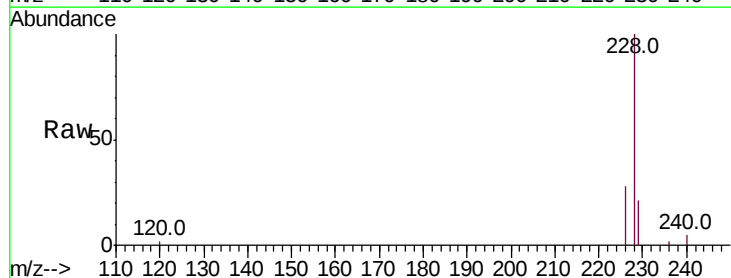
Tgt Ion:228 Resp: 34201

Ion Ratio Lower Upper

228 100

229 21.2 16.2 24.2

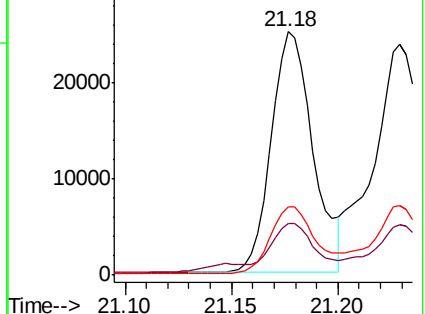
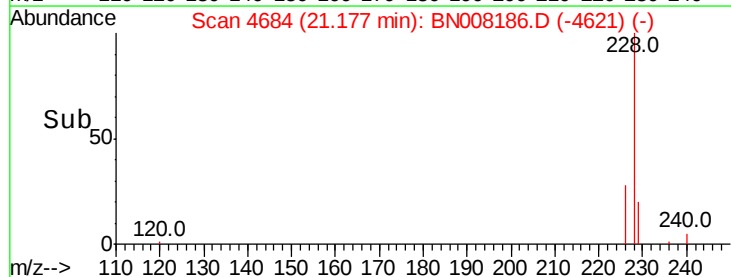
226 28.2 21.4 32.0

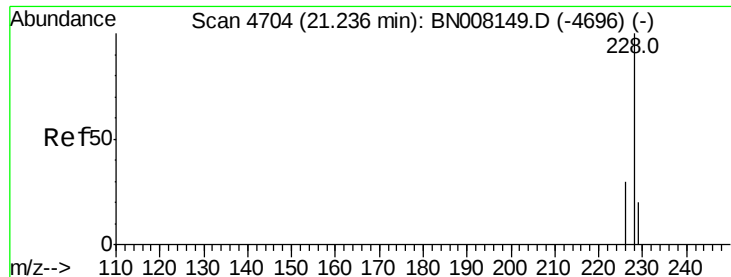


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.565 ng/ul

RT: 21.23 min Scan# 4702

Delta R.T. -0.01 min

Lab File: BN008186.D

Acq: 15 Oct 2019 22:49

Instrument :

BNA_N

ClientSampleId :

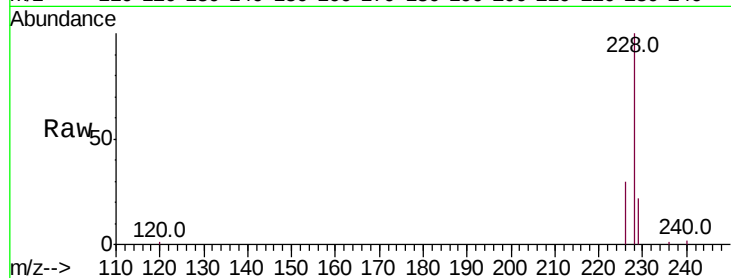
Tot Ion:228 Resp: 39120

Ion Ratio Lower Upper

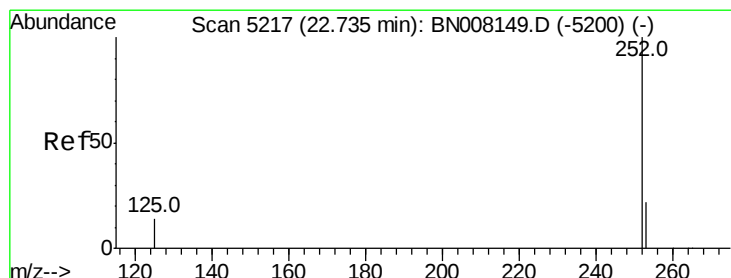
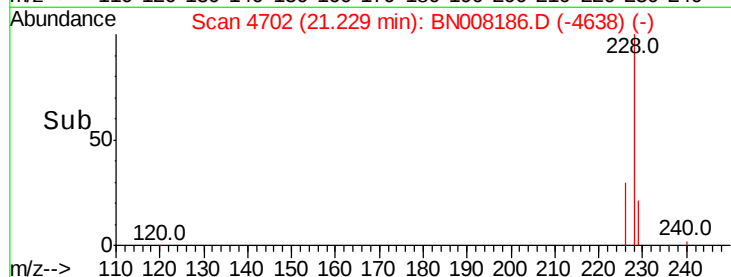
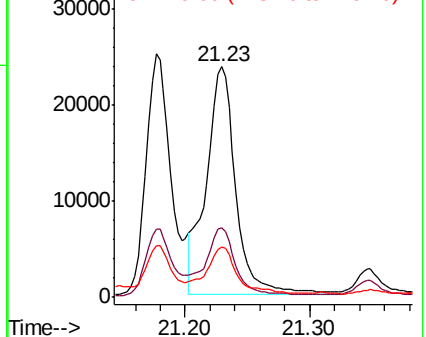
228 100

226 30.0 24.1 36.1

229 21.9 16.2 24.2



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: 1.336 ng/ul

RT: 22.73 min Scan# 5215

Delta R.T. -0.02 min

Lab File: BN008186.D

Acq: 15 Oct 2019 22:49

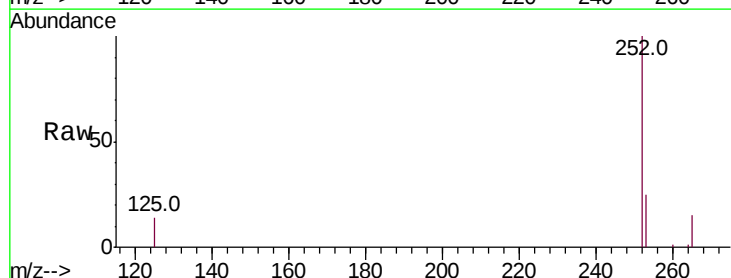
Tgt Ion:252 Resp: 58144

Ion Ratio Lower Upper

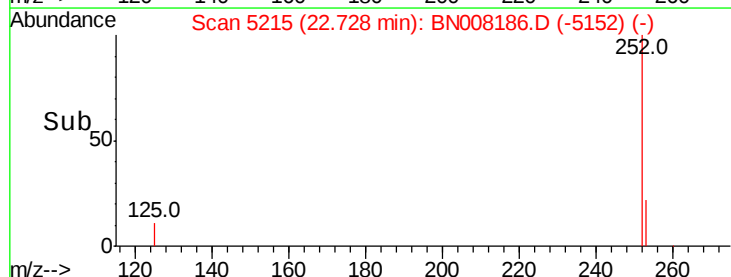
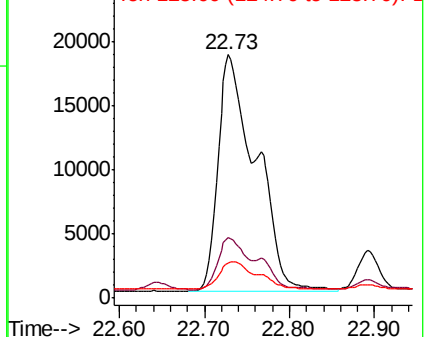
252 100

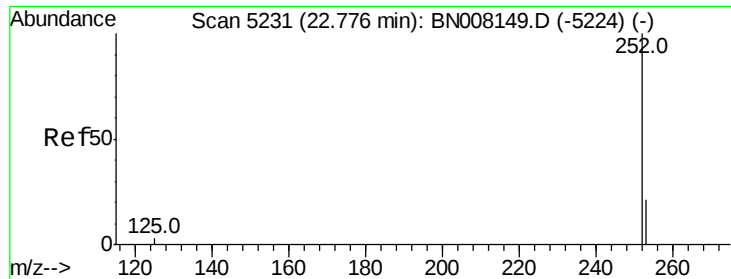
253 25.0 0.0 53.4

125 14.3 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: 1.180 ng/ul

RT: 22.73 min Scan# 5215

Delta R.T. -0.06 min

Lab File: BN008186.D

Acq: 15 Oct 2019 22:49

Instrument :

BNA_N

ClientSampleId :

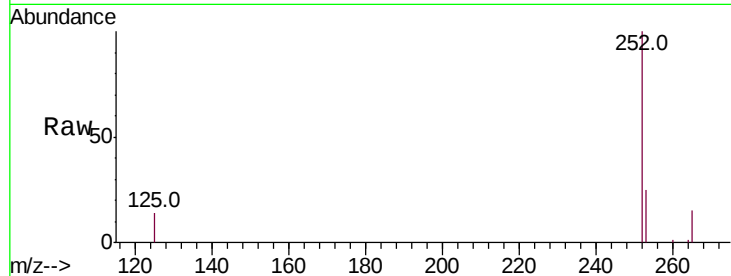
Tot Ion:252 Resp: 58144

Ion Ratio Lower Upper

252 100

253 25.0 21.3 31.9

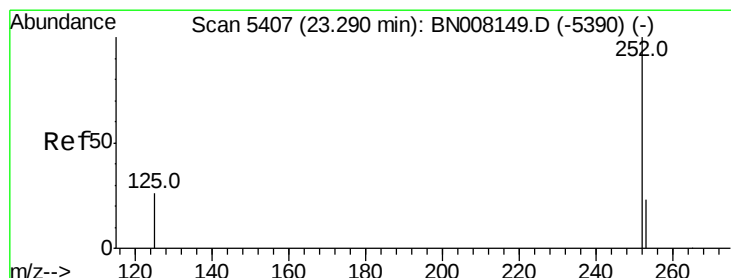
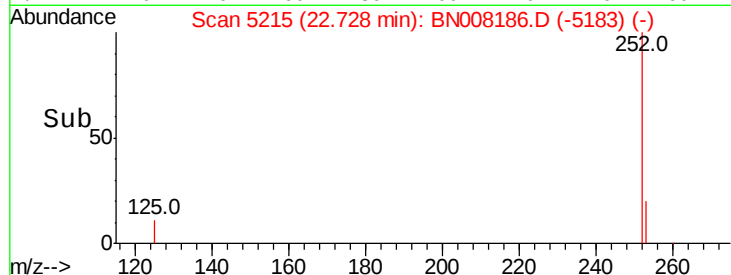
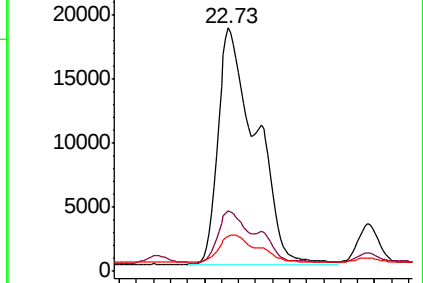
125 14.3 12.3 18.5



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: 0.605 ng/ul

RT: 23.28 min Scan# 5404

Delta R.T. -0.02 min

Lab File: BN008186.D

Acq: 15 Oct 2019 22:49

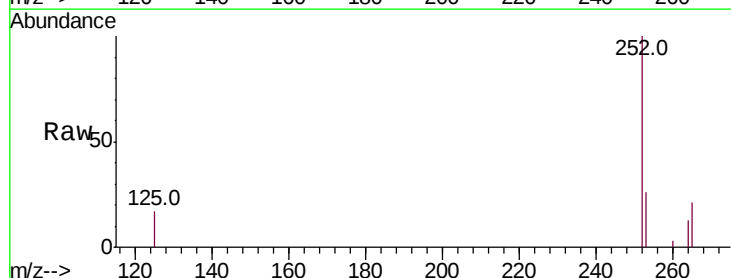
Tgt Ion:252 Resp: 27714

Ion Ratio Lower Upper

252 100

253 25.8 22.8 34.2

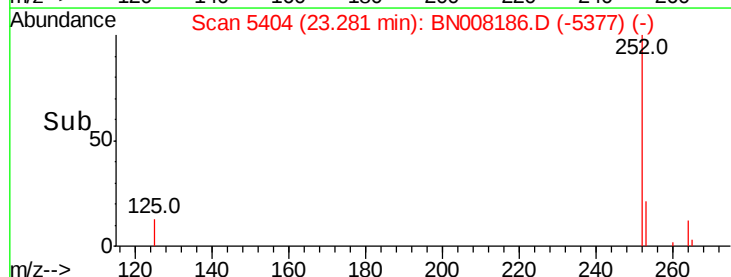
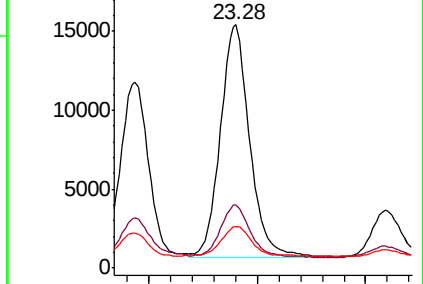
125 17.0 18.4 27.6#

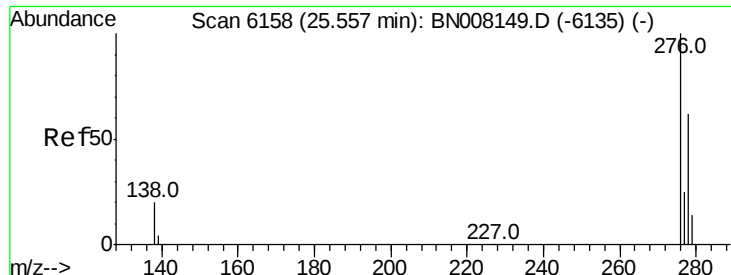


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



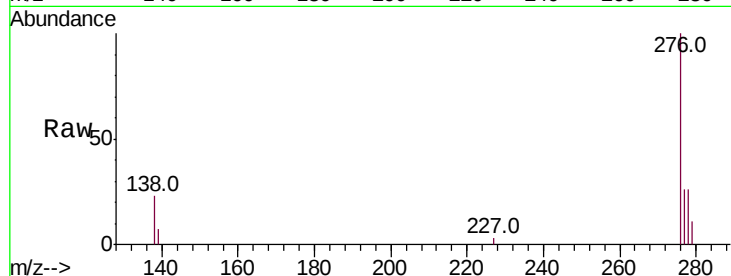


#24

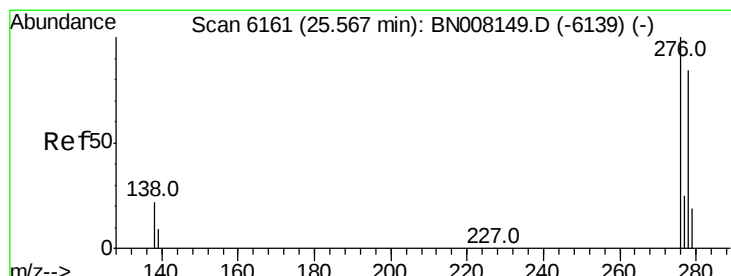
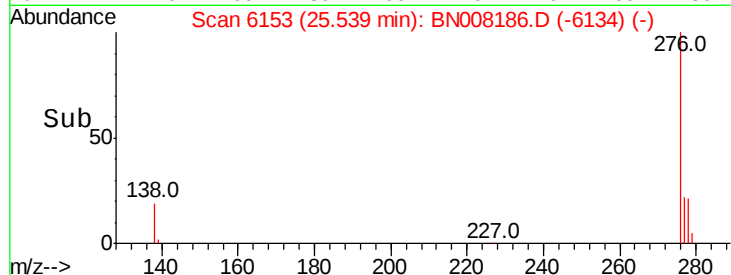
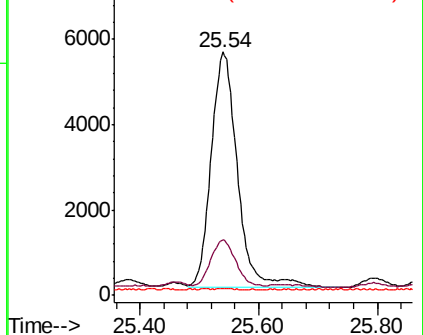
Indeno(1,2,3-cd)pyrene
Concen: 0.317 ng/ul
RT: 25.54 min Scan# 6153
Delta R.T. -0.03 min
Lab File: BN008186.D
Acq: 15 Oct 2019 22:49

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 17102
Ion Ratio Lower Upper
276 100
138 17.7 16.1 24.1
227 0.0 0.2 0.2#



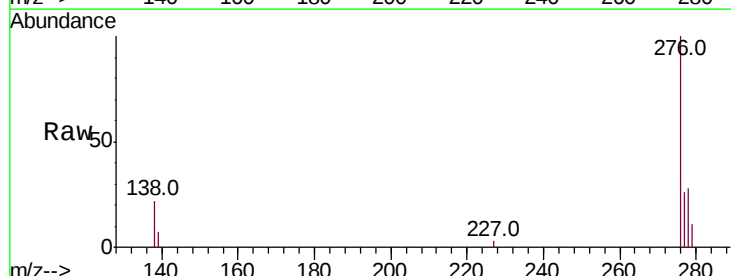
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



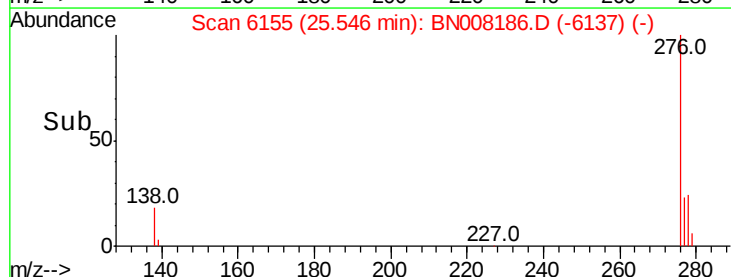
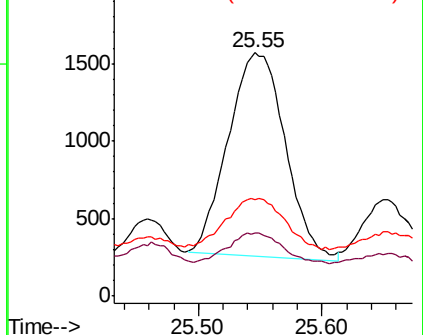
#25

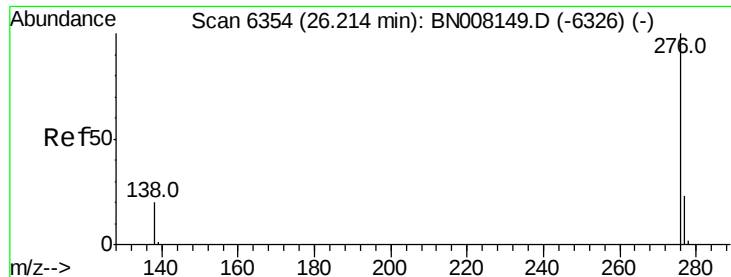
Dibenzo(a,h)anthracene
Concen: 0.099 ng/ul
RT: 25.55 min Scan# 6155
Delta R.T. -0.04 min
Lab File: BN008186.D
Acq: 15 Oct 2019 22:49

Tgt Ion:278 Resp: 4216
Ion Ratio Lower Upper
278 100
139 26.2 15.0 22.6#
279 39.6 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(a,h,i)perylene

Concen: 0.289 ng/ul

RT: 26.20 min Scan# 6350

Delta R.T. -0.03 min

Lab File: BN008186.D

Acq: 15 Oct 2019 22:49

Instrument :

BNA_N

ClientSampleId :

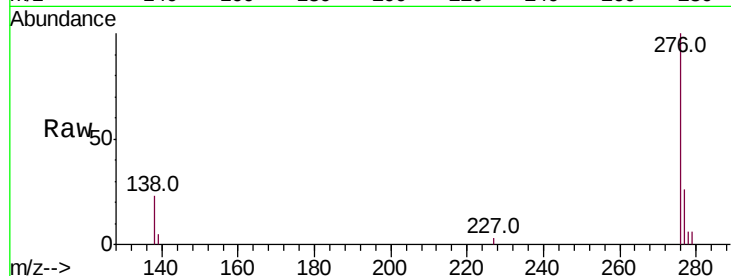
Tot Ion:276 Resp: 14289

Ion Ratio Lower Upper

276 100

138 22.9 17.0 25.4

277 26.4 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

