

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120619\
 Data File : BN008866.D
 Acq On : 06 Dec 2019 19:02
 Operator : JU
 Sample : K6007-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 06 22:57:52 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 : Fri Dec 06 12:03:45 2019
 Response via : Initial Calibration

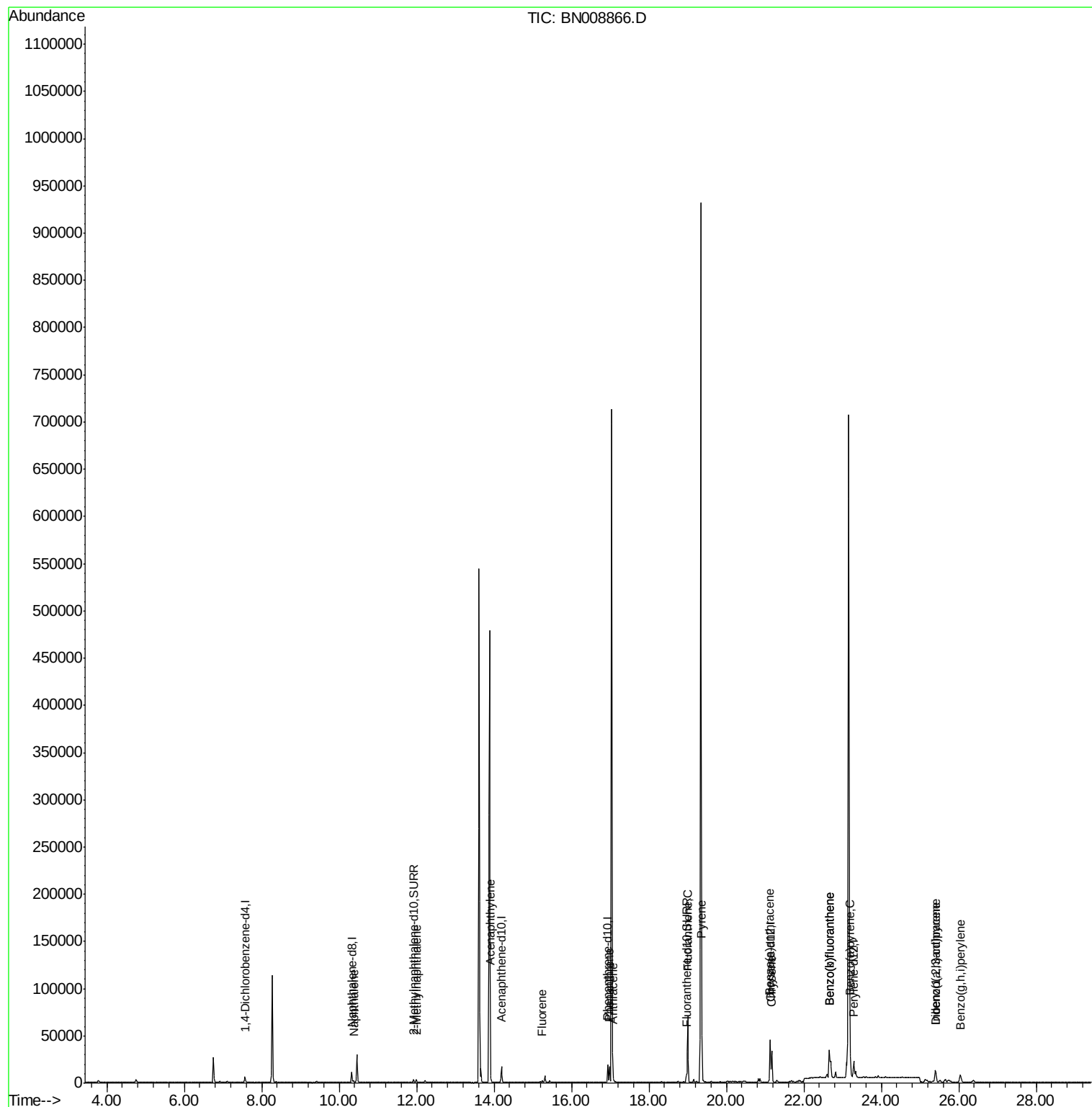
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	3017	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	13766	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	9088	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	20421	0.40	ng/ul	0.00
16) Chrysene-d12	21.14	240	18714	0.40	ng/ul	0.00
20) Perylene-d12	23.29	264	21228	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.92	152	3649	0.16	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	11028	0.18	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.37	128	2913	0.070	ng/ul#	95
5) 2-Methylnaphthalene	12.00	142	2172	0.075	ng/ul	98
7) Acenaphthylene	13.91	152	5025	0.100	ng/ul	97
9) Fluorene	15.25	166	1143	0.026	ng/ul#	92
12) Phenanthrene	16.98	178	16860	0.245	ng/ul	100
13) Anthracene	17.07	178	4908	0.075	ng/ul#	95
15) Fluoranthene	19.00	202	56331	0.666	ng/ul	99
17) Pyrene	19.37	202	48523	0.646	ng/ul	99
18) Benzo(a)anthracene	21.12	228	34220	0.455	ng/ul	97
19) Chrysene	21.17	228	33118	0.448	ng/ul	97
21) Benzo(b)fluoranthene	22.66	252	62174	0.710	ng/ul	99
22) Benzo(k)fluoranthene	22.66	252	62174	0.716	ng/ul	99
23) Benzo(a)pyrene	23.20	252	26984	0.328	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.40	276	17773	0.185	ng/ul	93
25) Dibenzo(a,h)anthracene	25.40	278	5045	0.065	ng/ul#	78
26) Benzo(a,h,i)perylene	26.04	276	15321	0.191	ng/ul	99

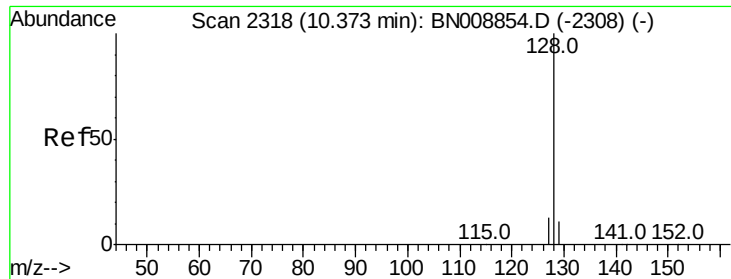
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.070 ng/ul

RT: 10.37 min Scan# 2318

Delta R.T. -0.00 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

Instrument :

BNA_N

ClientSampleId :

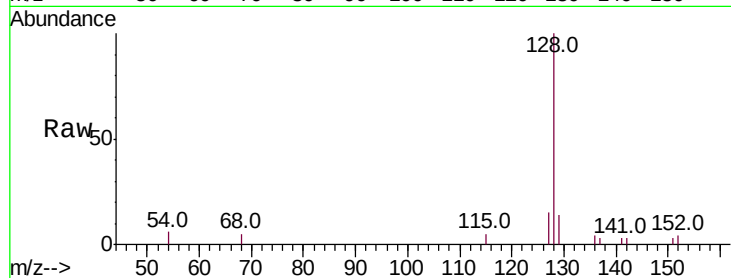
Tot Ion:128 Resp: 2913

Ion Ratio Lower Upper

128 100

129 13.7 9.1 13.7#

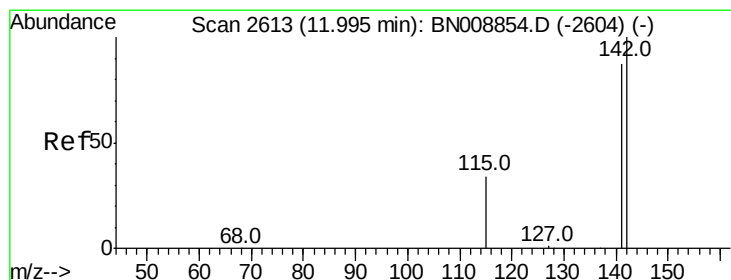
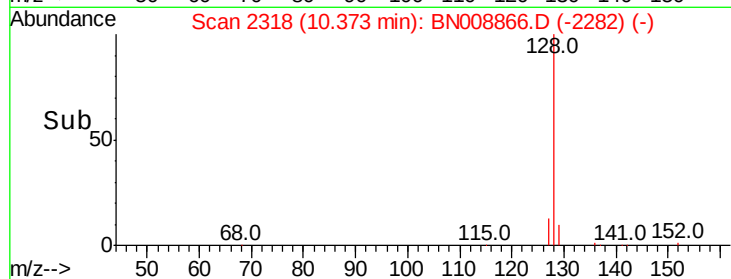
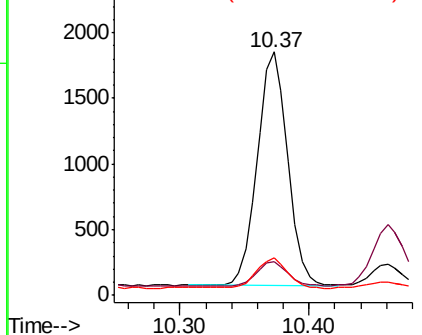
127 15.3 10.7 16.1



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: 12.00 min Scan# 2613

Delta R.T. -0.00 min

Lab File: BN008866.D

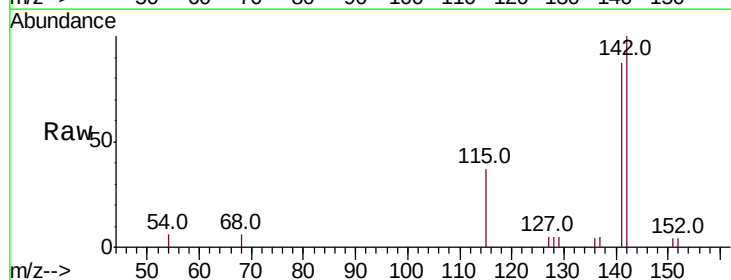
Acq: 06 Dec 2019 19:02

Tgt Ion:142 Resp: 2172

Ion Ratio Lower Upper

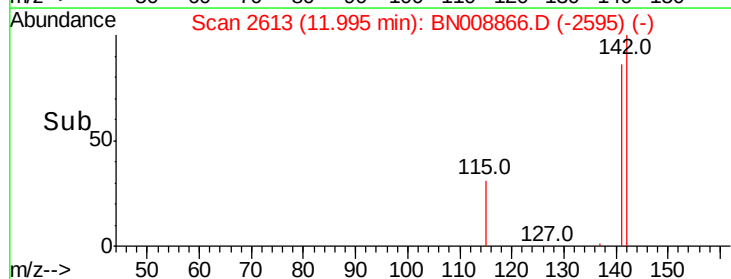
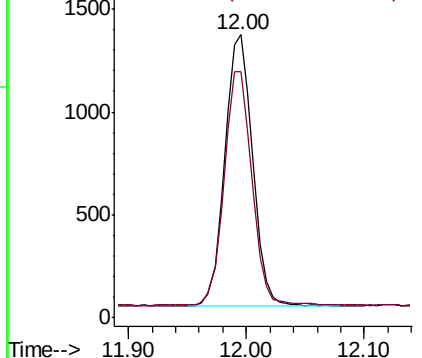
142 100

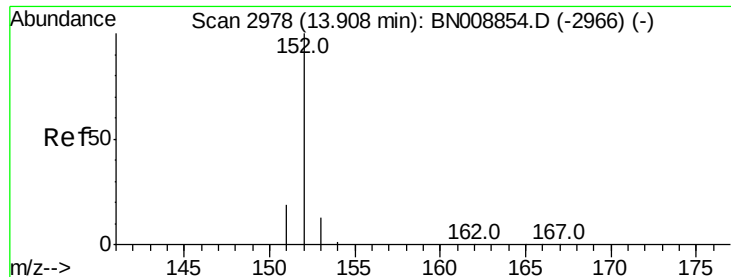
141 85.6 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.100 ng/ul

RT: 13.91 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

Instrument :

BNA_N

ClientSampleId :

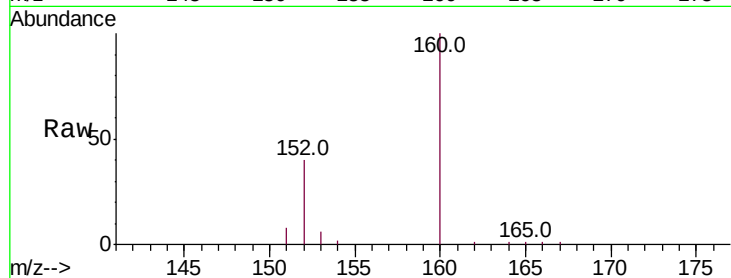
Tot Ion:152 Resp: 5025

Ion Ratio Lower Upper

152 100

151 20.4 15.8 23.6

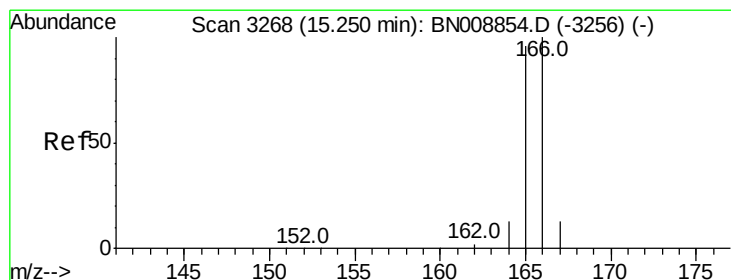
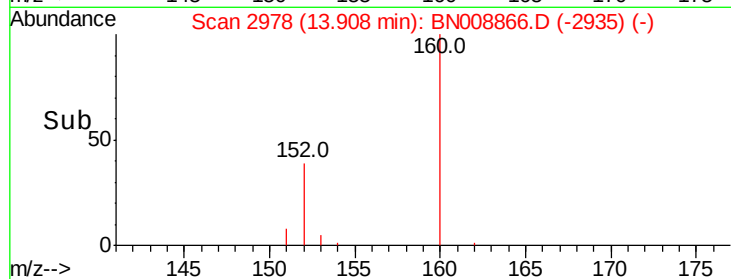
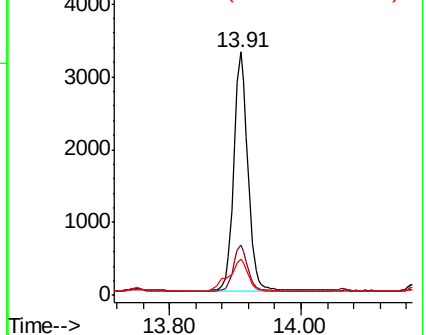
153 15.1 10.6 15.8



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: 0.026 ng/ul

RT: 15.25 min Scan# 3267

Delta R.T. -0.00 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

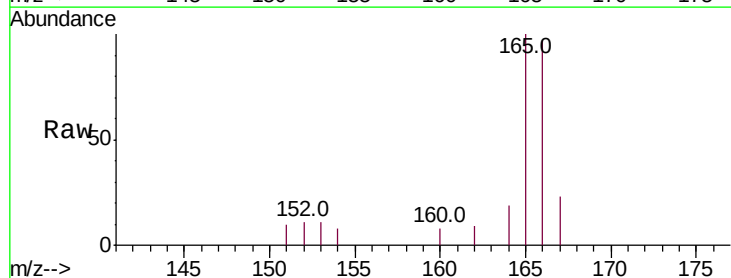
Tgt Ion:166 Resp: 1143

Ion Ratio Lower Upper

166 100

165 103.0 77.7 116.5

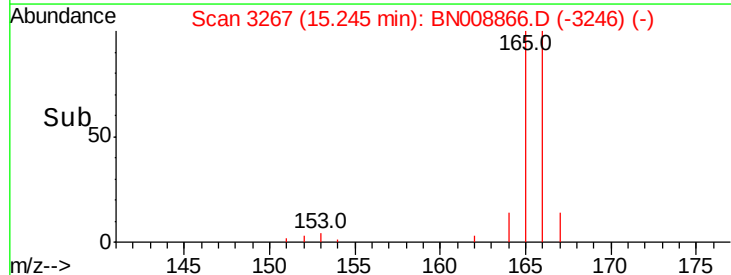
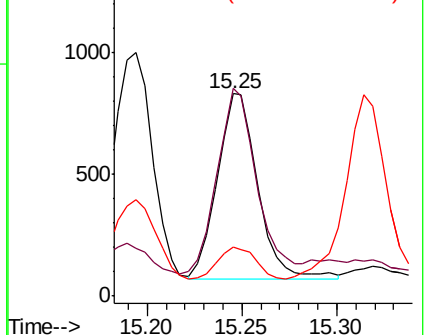
167 24.2 11.1 16.7#

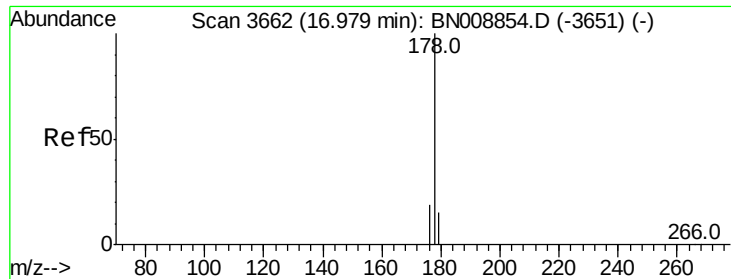


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.245 ng/ul

RT: 16.98 min Scan# 3662

Delta R.T. -0.00 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

Instrument :

BNA_N

ClientSampleId :

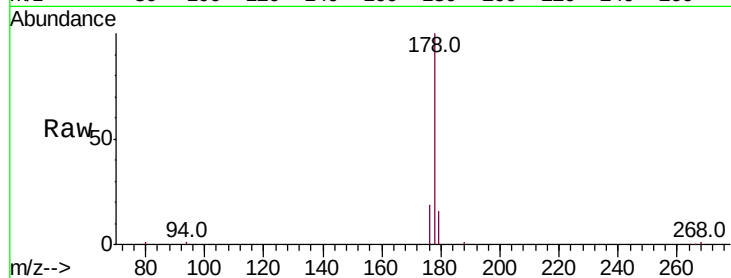
Tot Ion:178 Resp: 16860

Ion Ratio Lower Upper

178 100

179 15.8 12.6 18.8

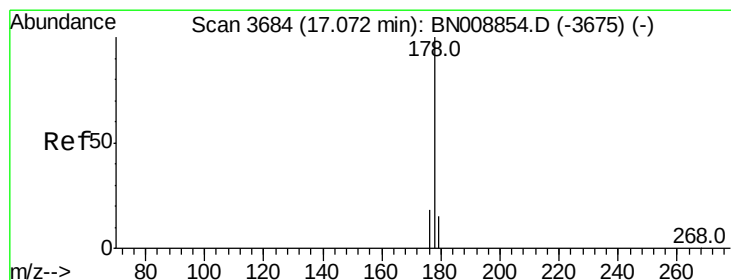
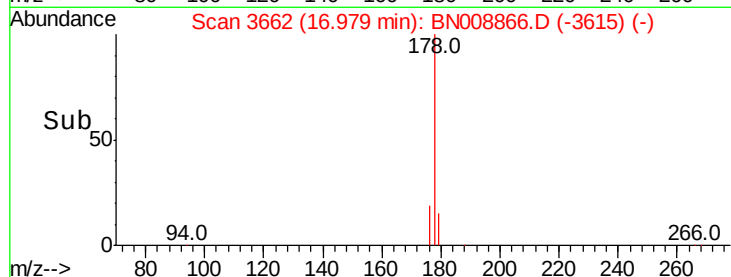
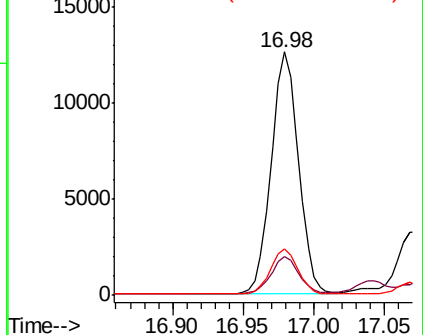
176 19.0 15.3 22.9



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



#13

Anthracene

Concen: 0.075 ng/ul

RT: 17.07 min Scan# 3684

Delta R.T. -0.00 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

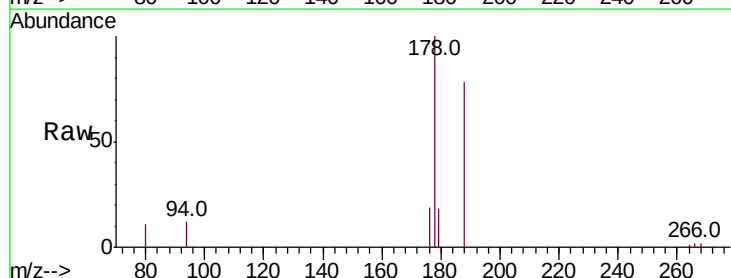
Tgt Ion:178 Resp: 4908

Ion Ratio Lower Upper

178 100

179 18.4 12.2 18.4#

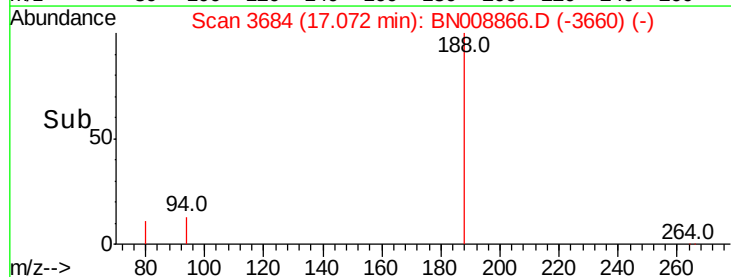
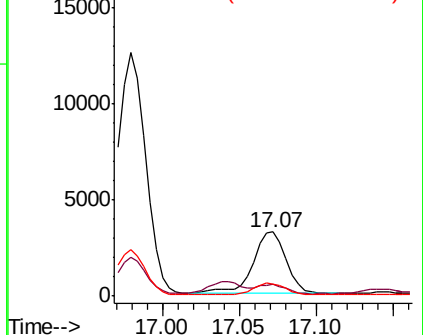
176 19.4 14.7 22.1

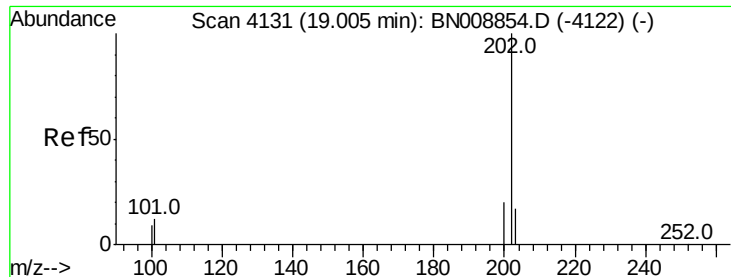


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.666 ng/ul

RT: 19.00 min Scan# 4130

Delta R.T. -0.00 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

Instrument :

BNA_N

ClientSampleId :

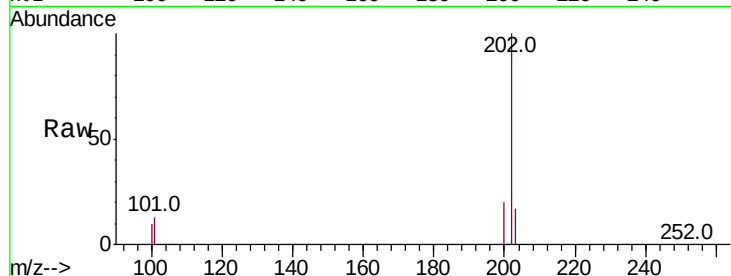
Tot Ion:202 Resp: 56331

Ion Ratio Lower Upper

202 100

101 12.8 0.0 32.4

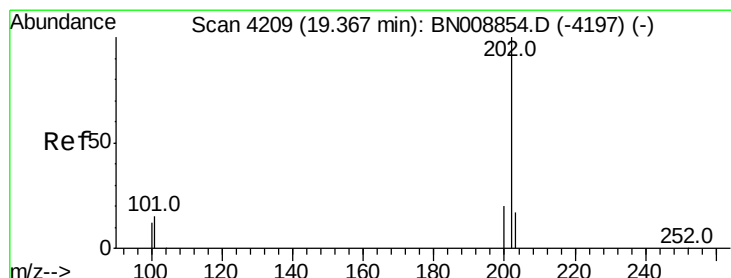
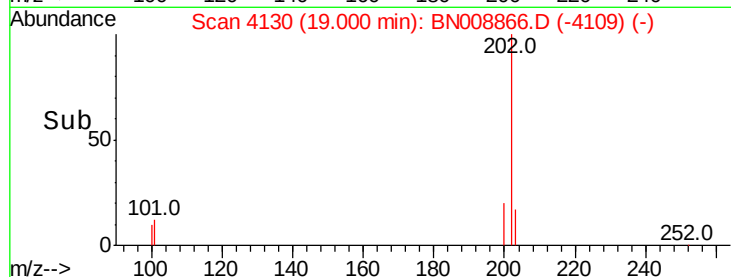
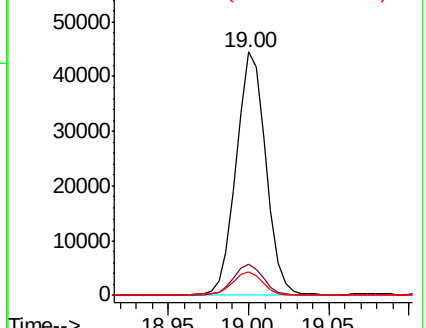
100 9.7 0.0 29.2



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



#17

Pyrene

Concen: 0.646 ng/ul

RT: 19.37 min Scan# 4209

Delta R.T. -0.00 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

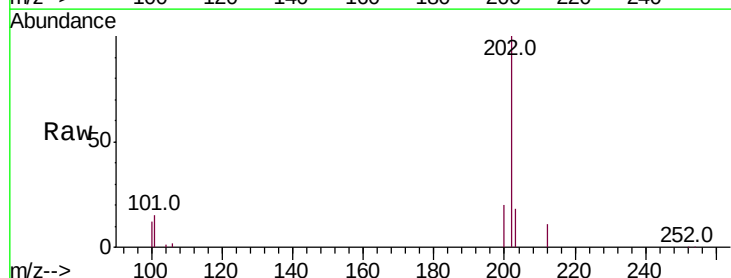
Tgt Ion:202 Resp: 48523

Ion Ratio Lower Upper

202 100

101 14.8 12.2 18.4

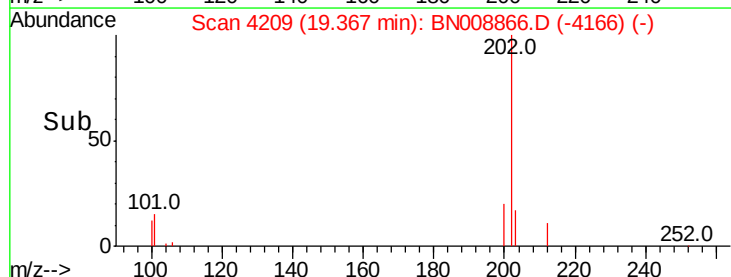
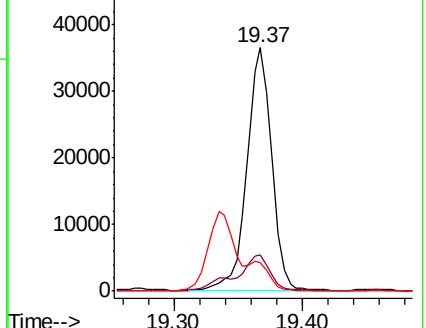
100 11.8 9.5 14.3

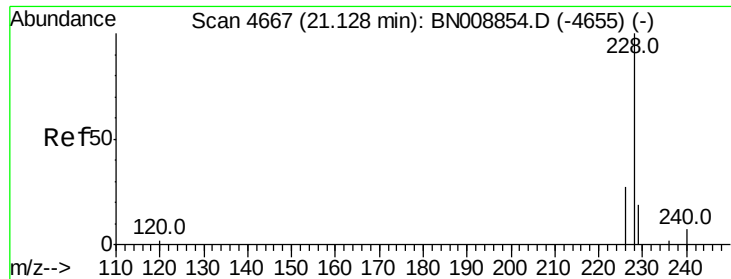


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.455 ng/ul

RT: 21.12 min Scan# 4666

Delta R.T. -0.00 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

Instrument :

BNA_N

ClientSampleId :

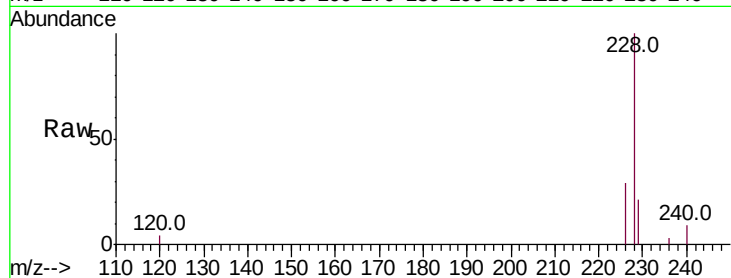
Tot Ion:228 Resp: 34220

Ion Ratio Lower Upper

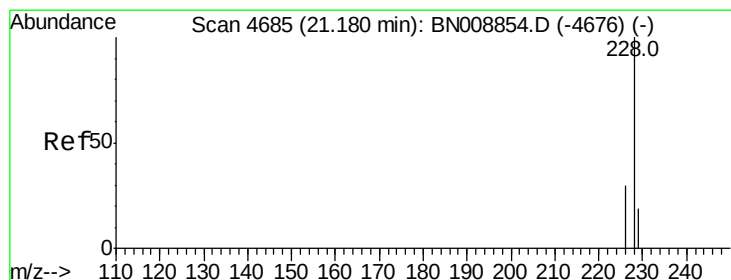
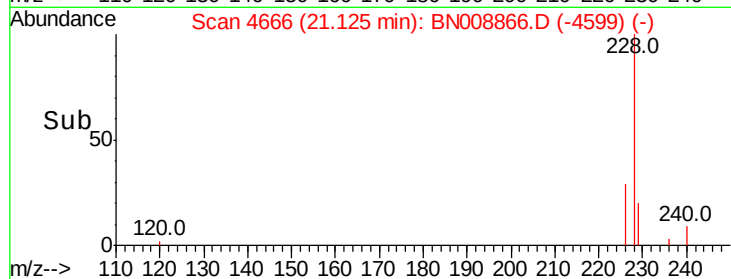
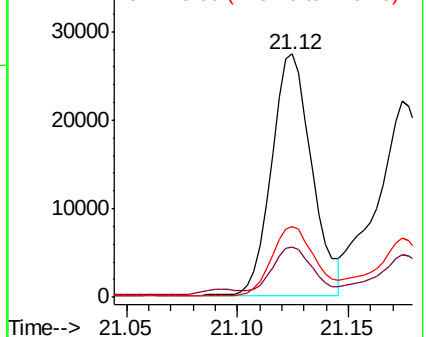
228 100

229 20.7 15.7 23.5

226 29.1 21.5 32.3



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: 0.448 ng/ul

RT: 21.17 min Scan# 4683

Delta R.T. -0.01 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

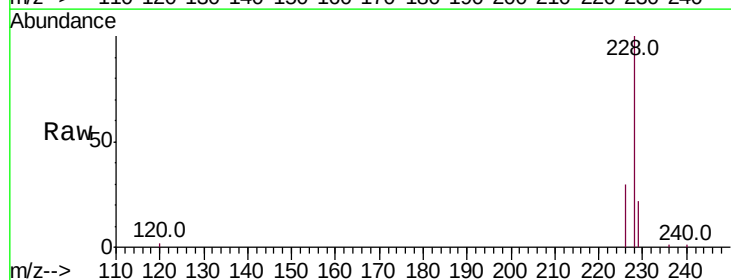
Tgt Ion:228 Resp: 33118

Ion Ratio Lower Upper

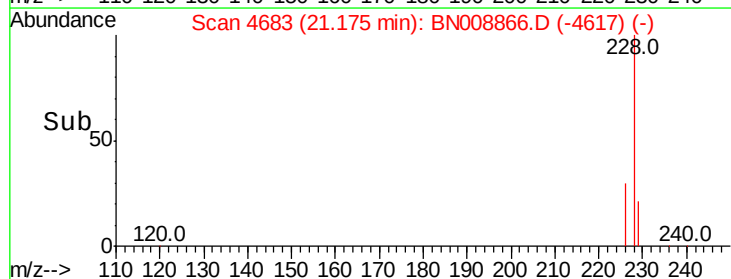
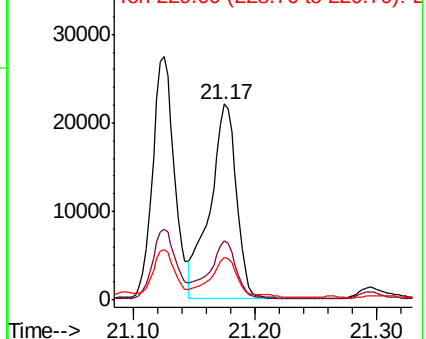
228 100

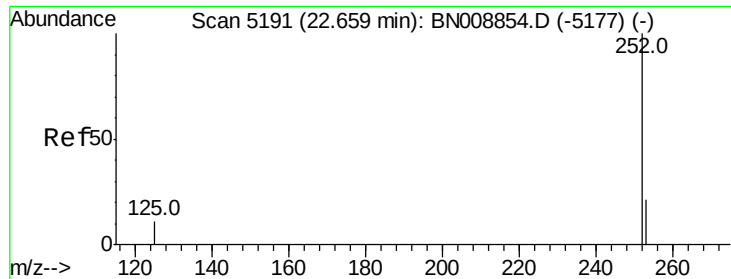
226 30.3 23.8 35.6

229 21.8 15.6 23.4



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: 0.710 ng/ul

RT: 22.66 min Scan# 5190

Delta R.T. -0.00 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

Instrument :

BNA_N

ClientSampleId :

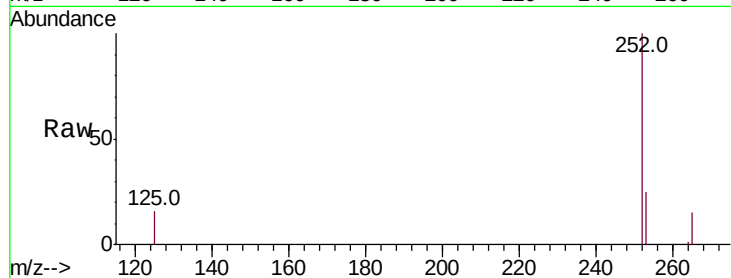
Tot Ion:252 Resp: 62174

Ion Ratio Lower Upper

252 100

253 24.6 0.0 48.6

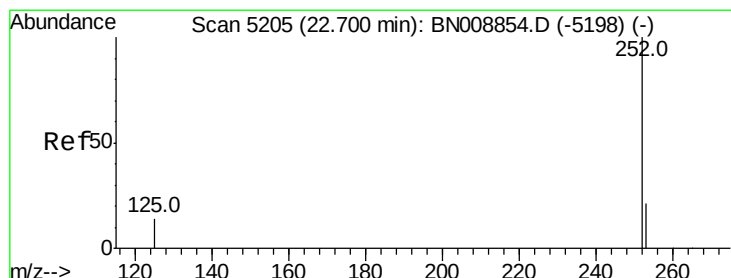
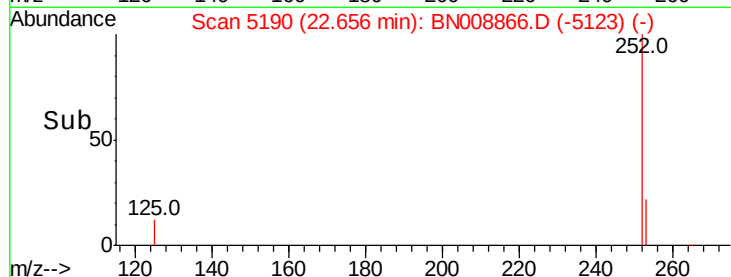
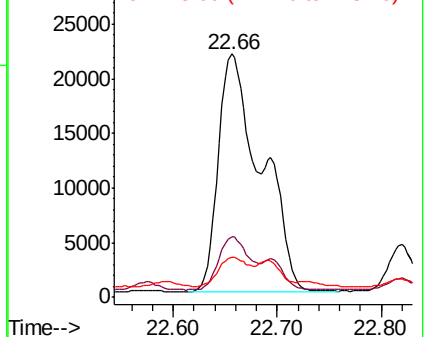
125 16.2 0.0 31.6



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



#22

Benzo(k)fluoranthene

Concen: 0.716 ng/ul

RT: 22.66 min Scan# 5190

Delta R.T. -0.04 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

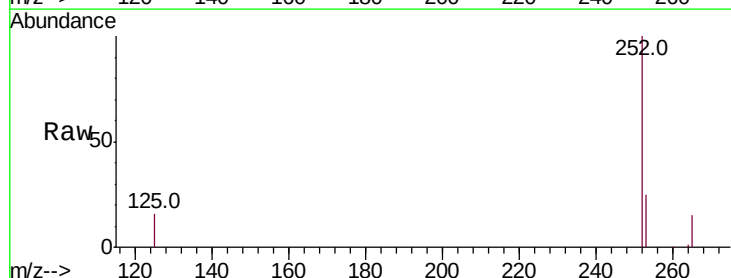
Tgt Ion:252 Resp: 62174

Ion Ratio Lower Upper

252 100

253 24.6 19.6 29.4

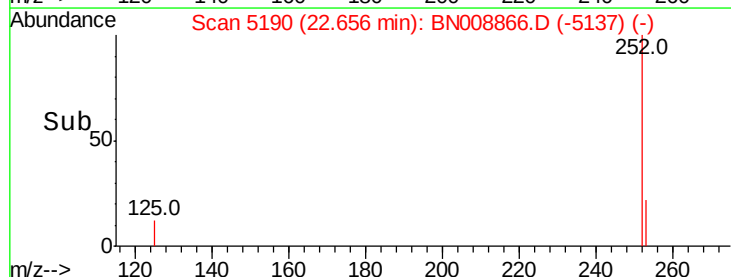
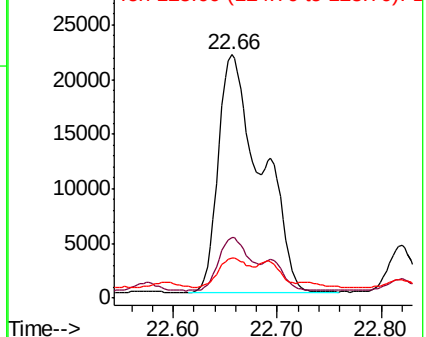
125 16.2 13.8 20.6

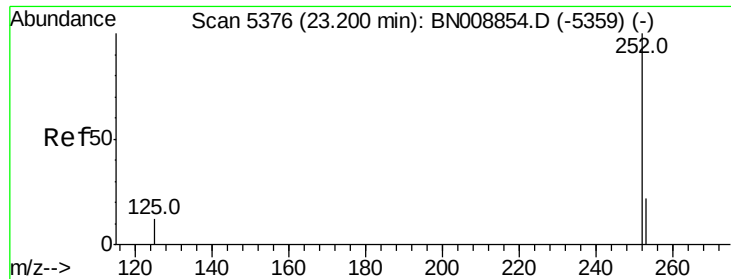


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.328 ng/ul

RT: 23.20 min Scan# 5375

Delta R.T. -0.00 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

Instrument :

BNA_N

ClientSampleId :

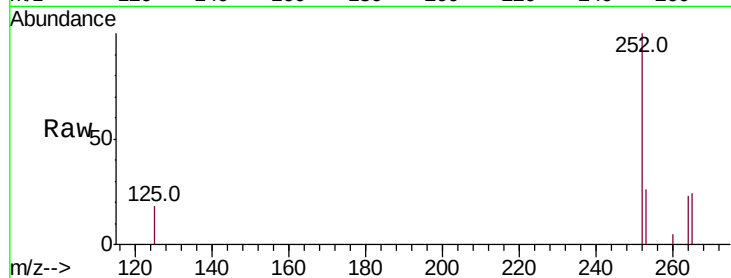
Tot Ion:252 Resp: 26984

Ion Ratio Lower Upper

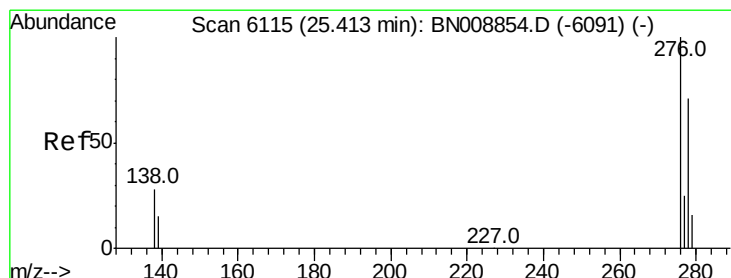
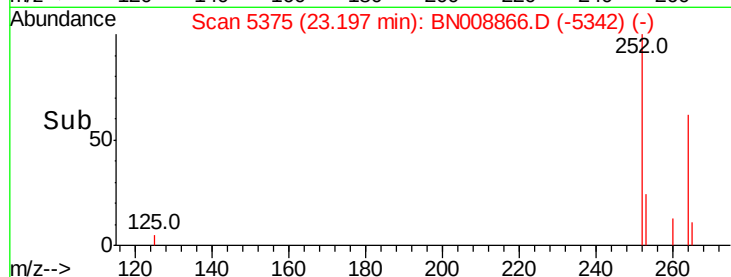
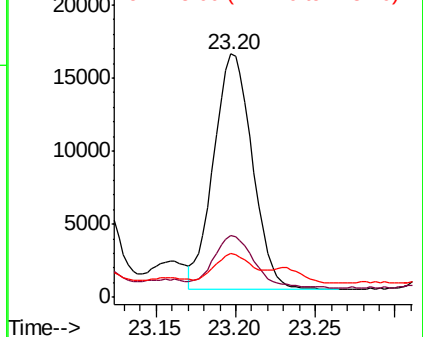
252 100

253 25.6 19.9 29.9

125 17.9 14.6 22.0



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.185 ng/ul

RT: 25.40 min Scan# 6111

Delta R.T. -0.01 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

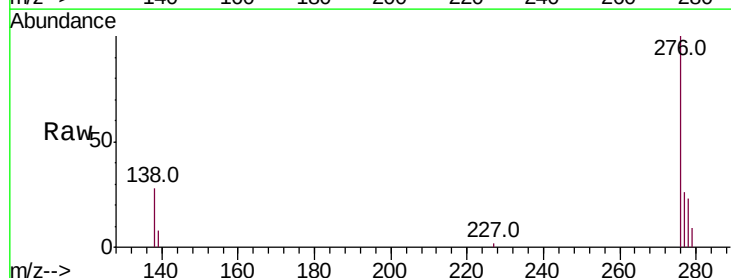
Tgt Ion:276 Resp: 17773

Ion Ratio Lower Upper

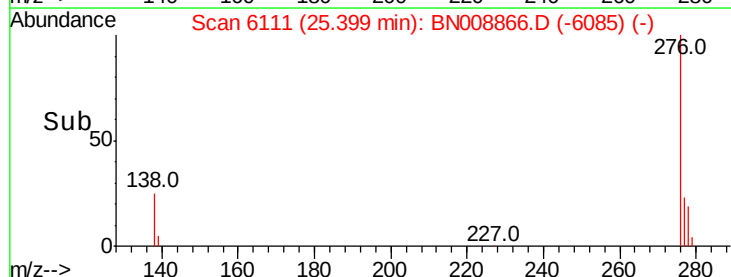
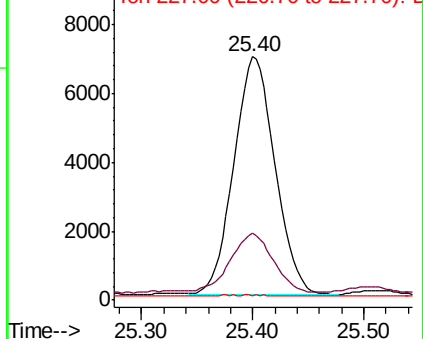
276 100

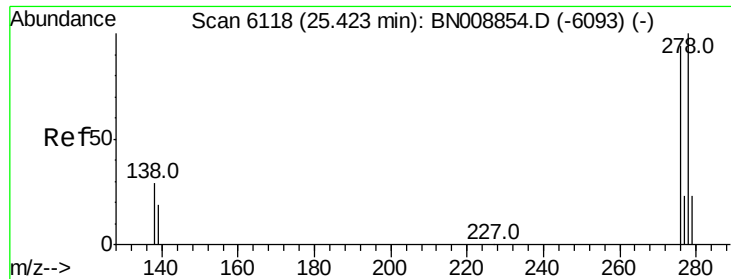
138 25.8 23.8 35.6

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

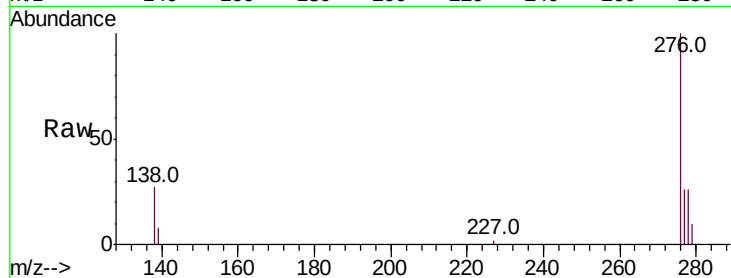




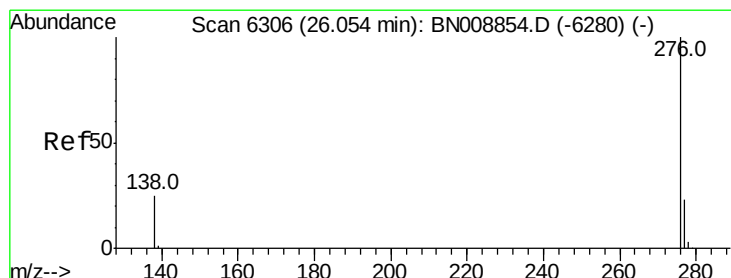
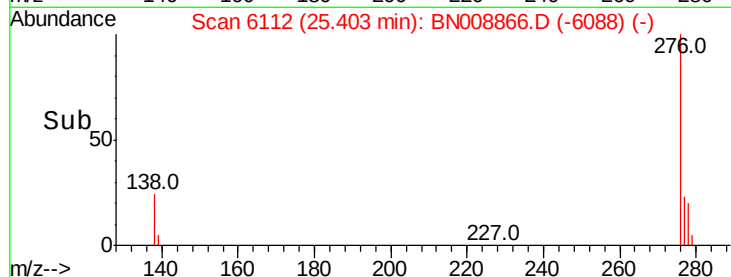
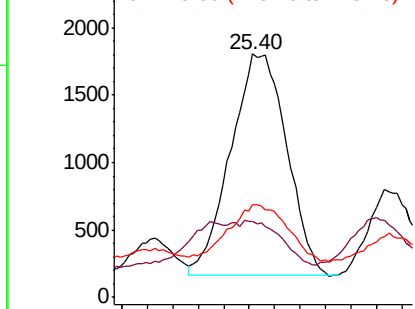
#25
Dibenzo(a,h)anthracene
Concen: 0.065 ng/ul
RT: 25.40 min Scan# 6112
Delta R.T. -0.02 min
Lab File: BN008866.D
Acq: 06 Dec 2019 19:02

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 5045
Ion Ratio Lower Upper
278 100
139 31.1 17.4 26.0#
279 38.0 20.5 30.7#

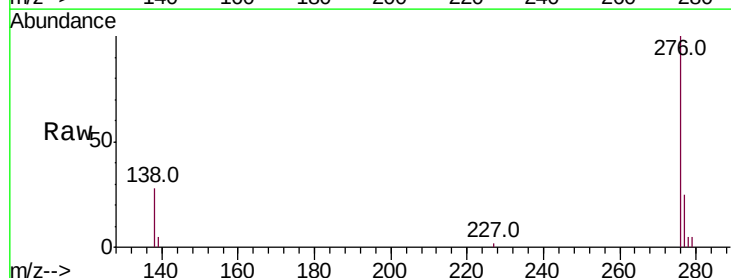


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.191 ng/ul
RT: 26.04 min Scan# 6303
Delta R.T. -0.01 min
Lab File: BN008866.D
Acq: 06 Dec 2019 19:02

Tgt Ion:276 Resp: 15321
Ion Ratio Lower Upper
276 100
138 27.9 21.9 32.9
277 25.5 19.9 29.9



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

