

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121919\
 Data File : BN009059.D
 Acq On : 20 Dec 2019 09:08
 Operator : JU
 Sample : K6171-15
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 20 10:52:55 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 : Thu Dec 19 15:54:16 2019
 Response via : Initial Calibration

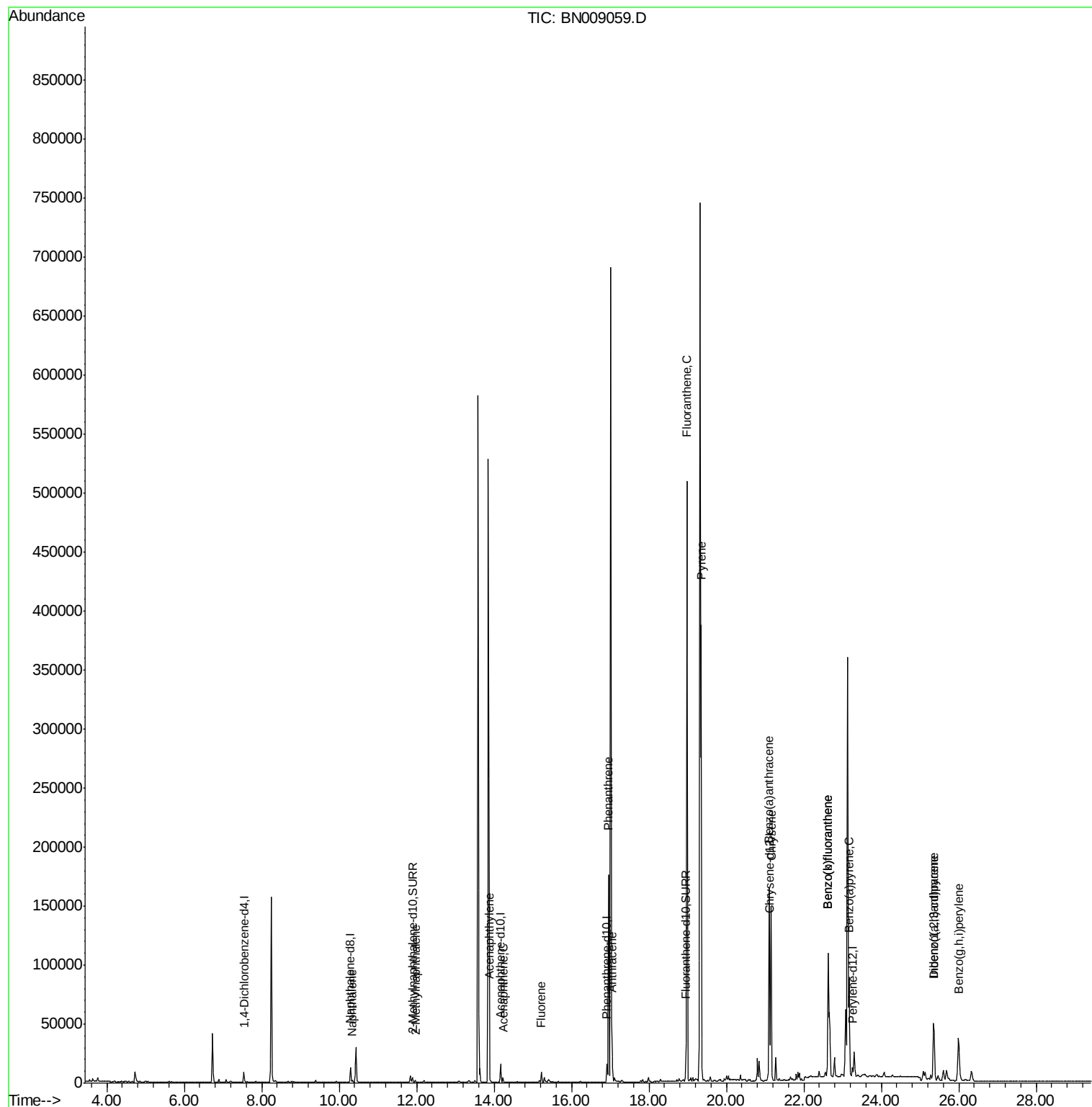
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	4004	0.40	ng/ul	0.00
2) Naphthalene-d8	10.29	136	15410	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.17	164	8472	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.92	188	17248	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	9131	0.40	ng/ul	0.00
20) Perylene-d12	23.26	264	8254	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.89	152	4634	0.17	ng/ul	0.00
14) Fluoranthene-d10	18.95	212	9603	0.19	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.34	128	1692	0.036	ng/ul#	89
5) 2-Methylnaphthalene	11.96	142	1285	0.036	ng/ul	100
7) Acenaphthylene	13.88	152	3683	0.083	ng/ul	95
8) Acenaphthene	14.23	153	2380	0.068	ng/ul	98
9) Fluorene	15.22	166	5166	0.125	ng/ul	98
12) Phenanthrene	16.95	178	181931	3.033	ng/ul	100
13) Anthracene	17.05	178	35984	0.669	ng/ul	99
15) Fluoranthene	18.98	202	419561	6.116	ng/ul	98
17) Pyrene	19.34	202	310859	6.673	ng/ul	99
18) Benzo(a)anthracene	21.10	228	133410	3.290	ng/ul	98
19) Chrysene	21.15	228	141482	3.472	ng/ul	97
21) Benzo(b)fluoranthene	22.63	252	209710	5.441	ng/ul	97
22) Benzo(k)fluoranthene	22.63	252	209710	5.396	ng/ul	96
23) Benzo(a)pyrene	23.16	252	101490	3.005	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.35	276	72077	1.960	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.36	278	17170	0.586	ng/ul	91
26) Benzo(a,h,i)perylene	25.99	276	68415	2.208	ng/ul	98

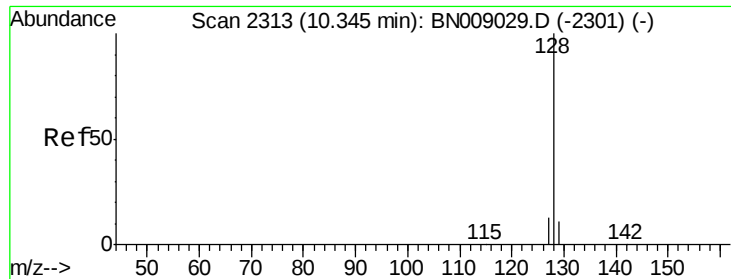
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 19 15:54:16 2019
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#3

Naphthalene

Concen: 0.036 ng/ul

RT: 10.34 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BN009059.D

Acq: 20 Dec 2019 09:08

Instrument :

BNA_N

ClientSampled :

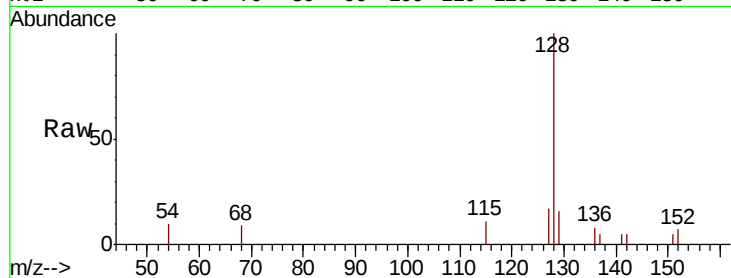
Tot Ion:128 Resp: 1692

Ion Ratio Lower Upper

128 100

129 16.4 9.0 13.4#

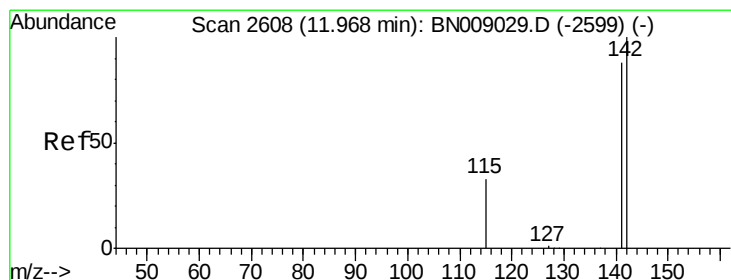
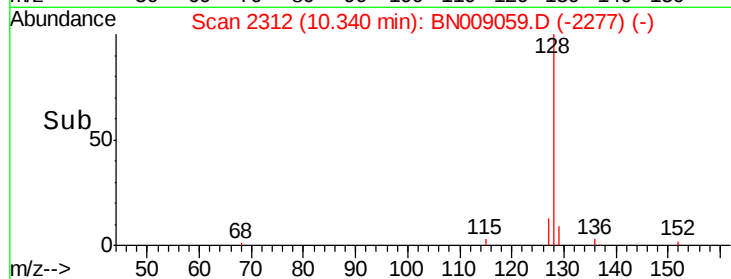
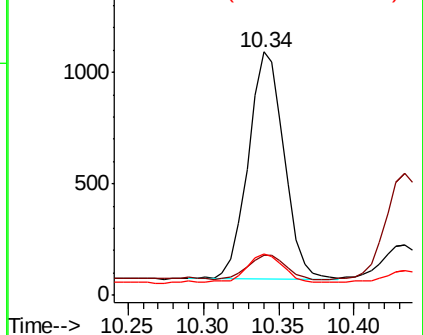
127 16.8 10.9 16.3#



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: 0.036 ng/ul

RT: 11.96 min Scan# 2607

Delta R.T. -0.01 min

Lab File: BN009059.D

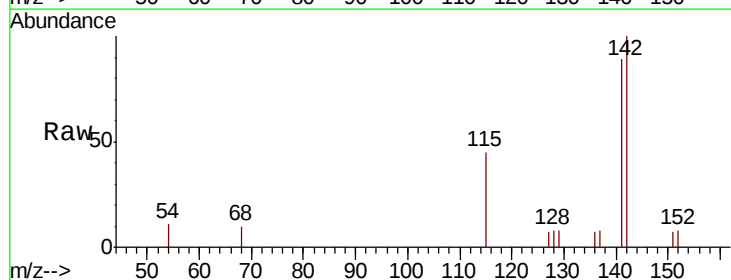
Acq: 20 Dec 2019 09:08

Tgt Ion:142 Resp: 1285

Ion Ratio Lower Upper

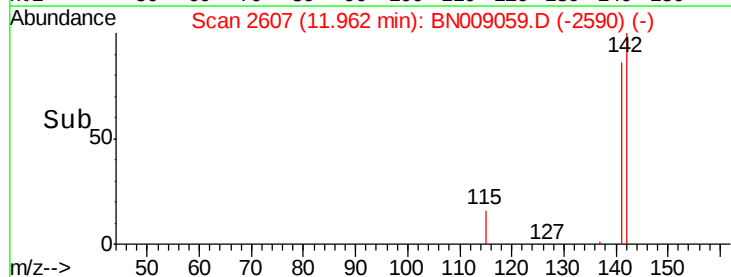
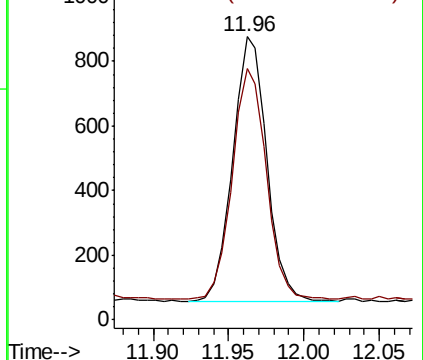
142 100

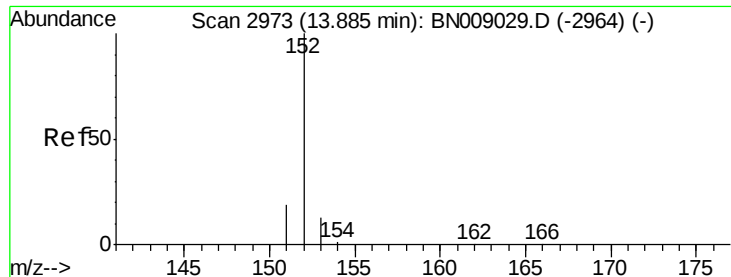
141 87.4 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.083 ng/ul

RT: 13.88 min Scan# 2973

Delta R.T. 0.00 min

Lab File: BN009059.D

Acq: 20 Dec 2019 09:08

Instrument :

BNA_N

ClientSampleId :

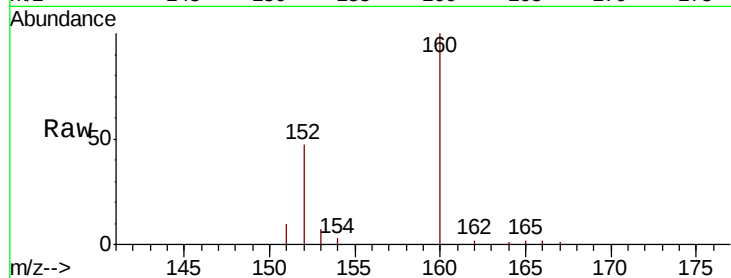
Tot Ion:152 Resp: 3683

Ion Ratio Lower Upper

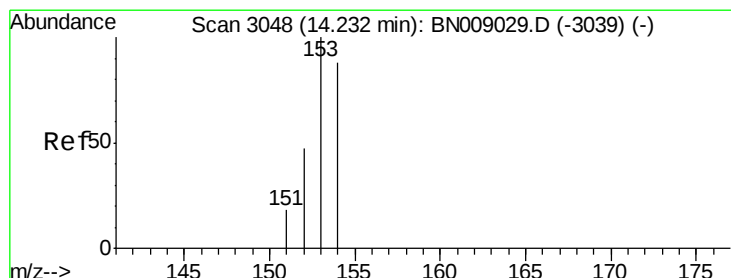
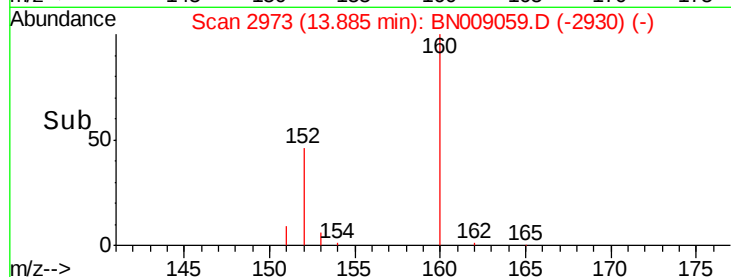
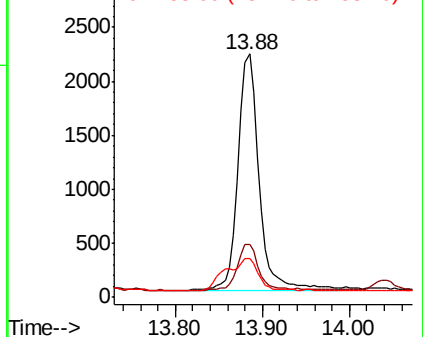
152 100

151 21.6 15.7 23.5

153 15.8 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



#8

Acenaphthene

Concen: 0.068 ng/ul

RT: 14.23 min Scan# 3047

Delta R.T. -0.00 min

Lab File: BN009059.D

Acq: 20 Dec 2019 09:08

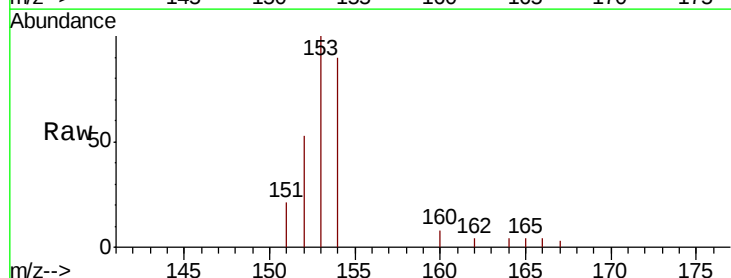
Tgt Ion:153 Resp: 2380

Ion Ratio Lower Upper

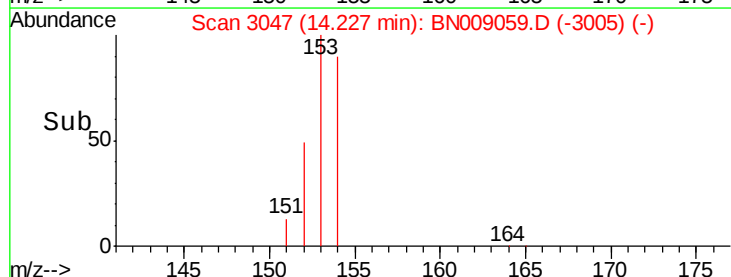
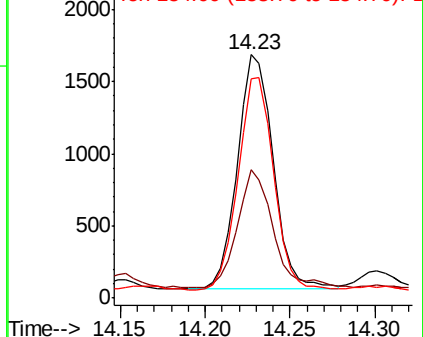
153 100

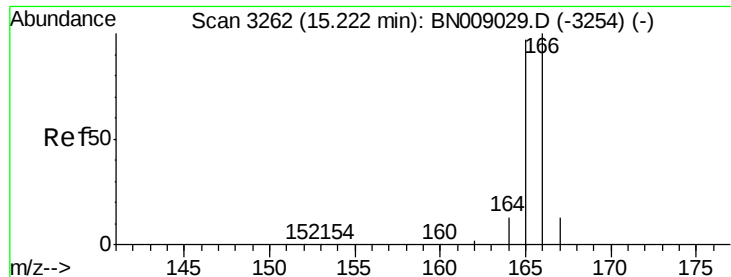
152 52.5 39.5 59.3

154 90.1 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

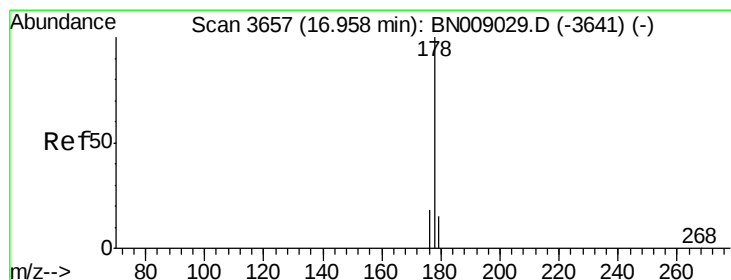
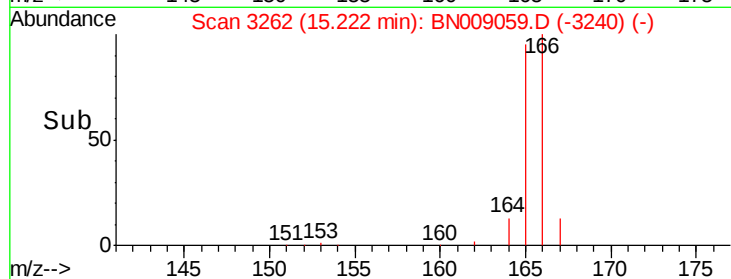
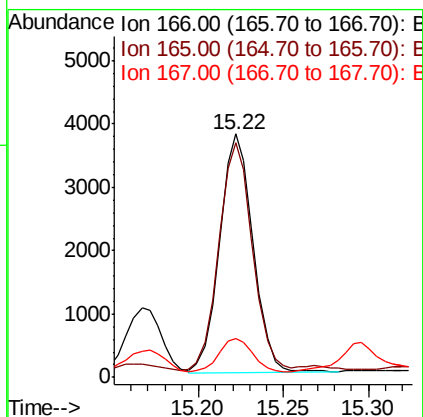
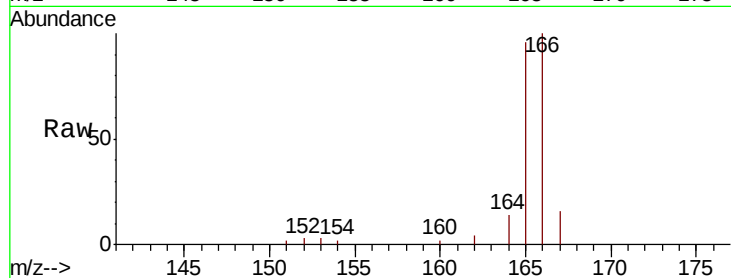




#9
Fluorene
 Concen: 0.125 ng/ul
 RT: 15.22 min Scan# 3262
 Delta R.T. 0.00 min
 Lab File: BN009059.D
 Acq: 20 Dec 2019 09:08

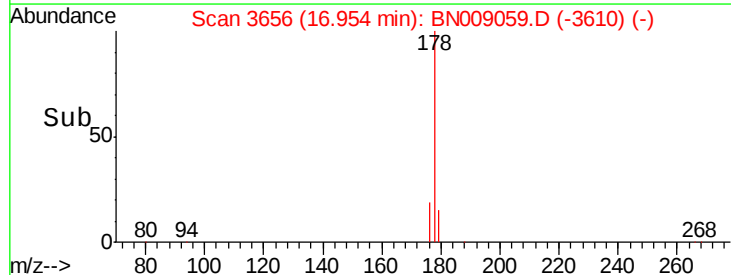
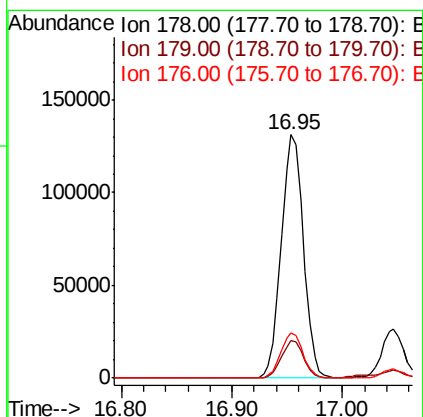
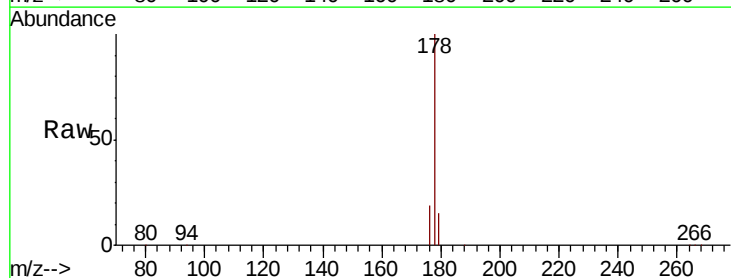
Instrument :
 BNA_N
 ClientSampleId :

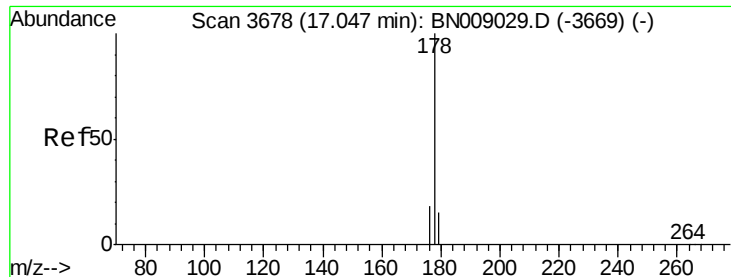
Tot Ion:166 Resp: 5166
 Ion Ratio Lower Upper
 166 100
 165 96.5 78.2 117.4
 167 15.9 11.0 16.6



#12
Phenanthrene
 Concen: 3.033 ng/ul
 RT: 16.95 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: BN009059.D
 Acq: 20 Dec 2019 09:08

Tgt Ion:178 Resp: 181931
 Ion Ratio Lower Upper
 178 100
 179 15.2 12.3 18.5
 176 18.7 15.1 22.7





#13

Anthracene

Concen: 0.669 ng/ul

RT: 17.05 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BN009059.D

Acq: 20 Dec 2019 09:08

Instrument :

BNA_N

ClientSampleId :

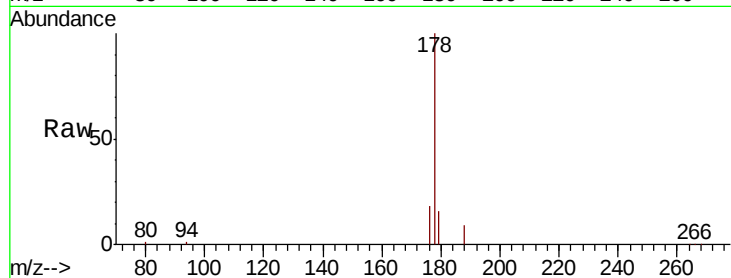
Tot Ion:178 Resp: 35984

Ion Ratio Lower Upper

178 100

179 15.6 12.5 18.7

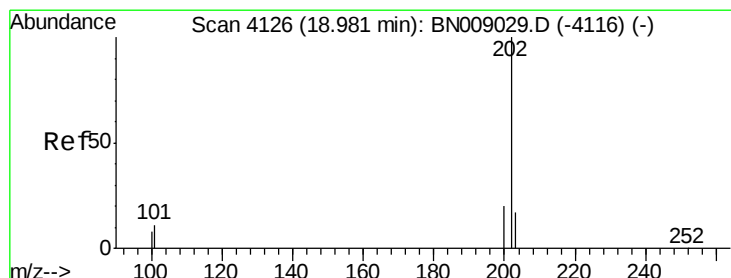
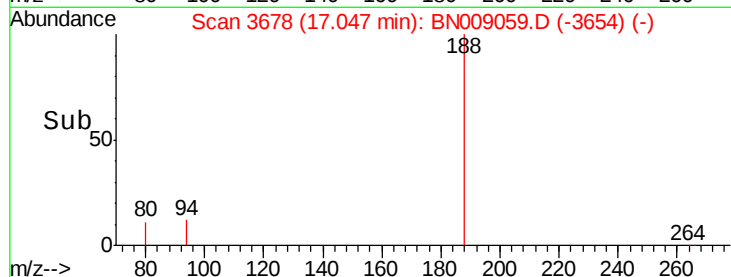
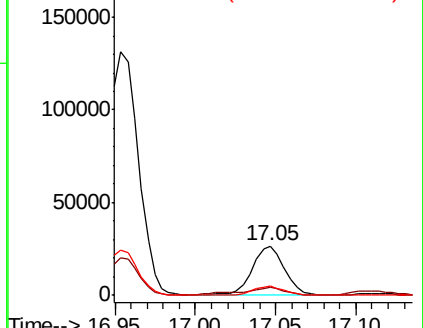
176 18.1 14.9 22.3



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: 6.116 ng/ul

RT: 18.98 min Scan# 4125

Delta R.T. -0.00 min

Lab File: BN009059.D

Acq: 20 Dec 2019 09:08

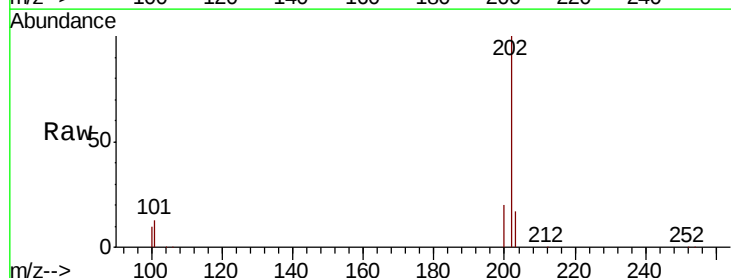
Tgt Ion:202 Resp: 419561

Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.5

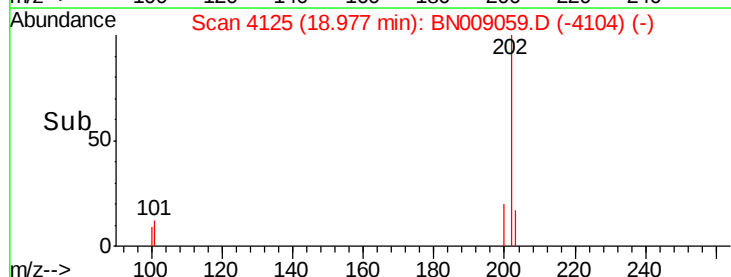
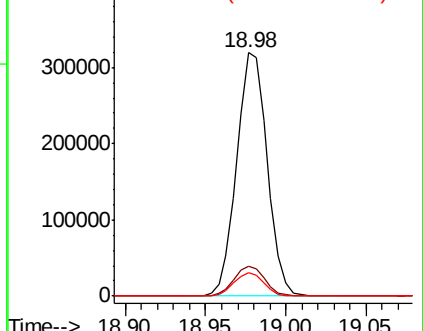
100 9.5 0.0 28.9

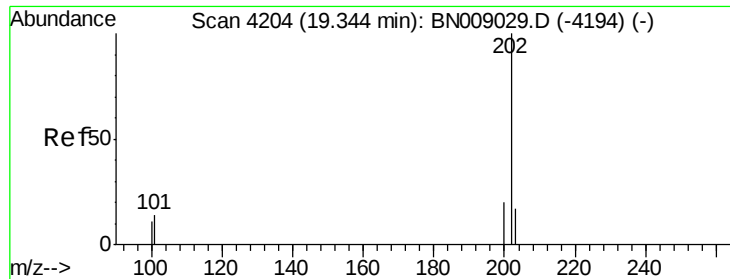


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

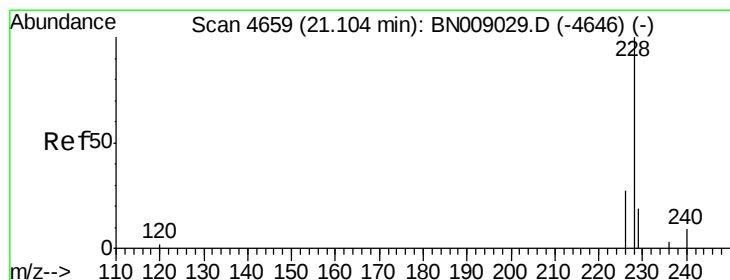
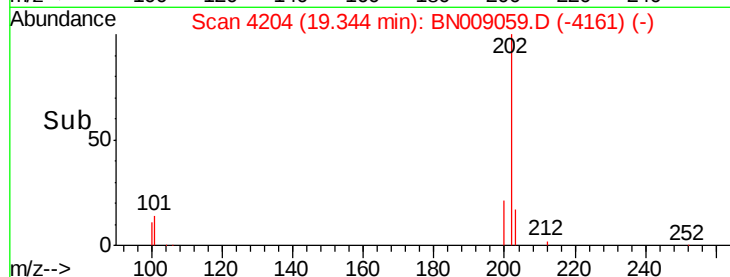
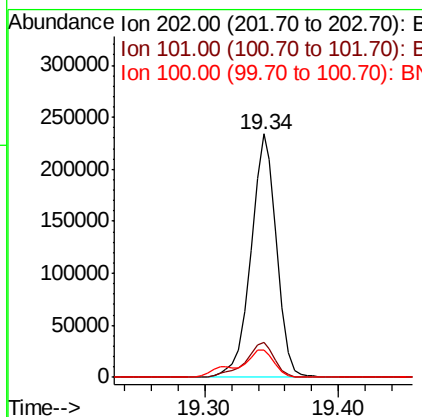
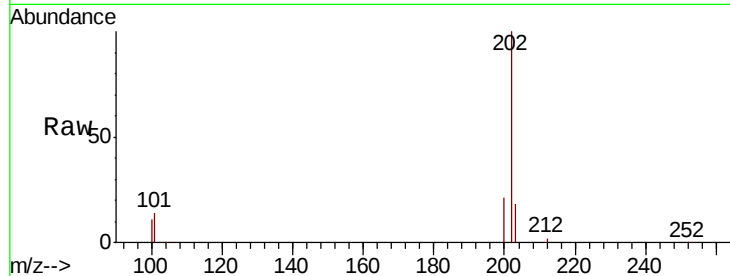




#17
Pvrene
Concen: 6.673 ng/ul
RT: 19.34 min Scan# 4204
Delta R.T. 0.00 min
Lab File: BN009059.D
Acq: 20 Dec 2019 09:08

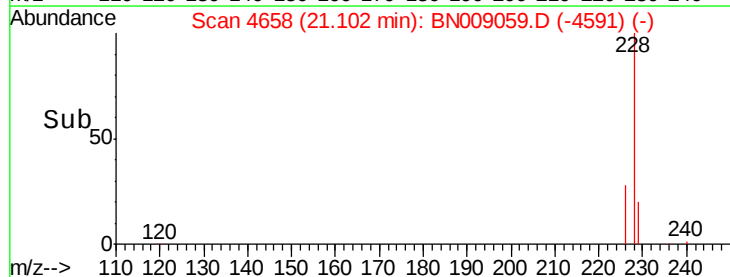
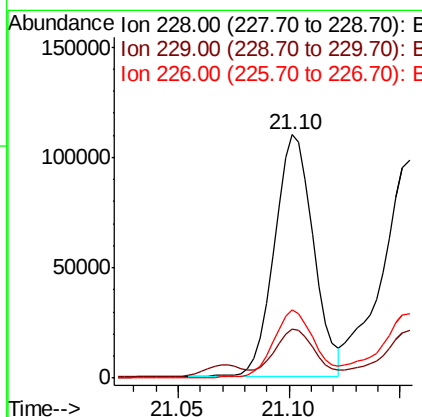
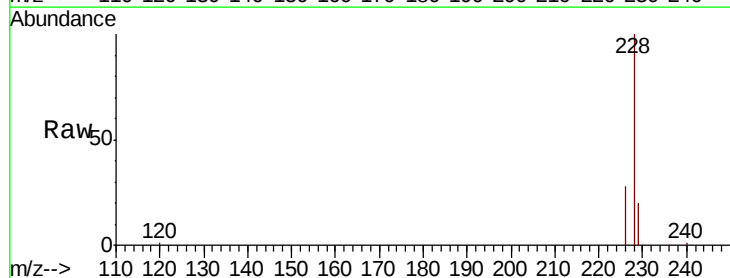
Instrument :
BNA_N
ClientSampleId :

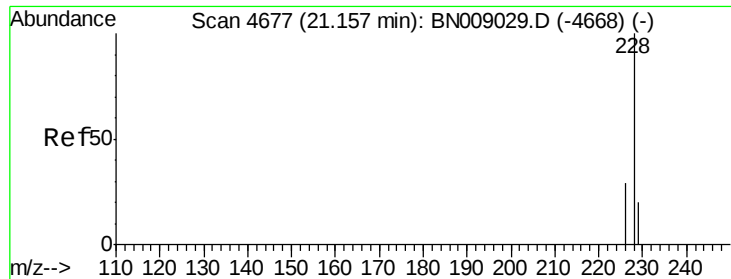
Tot Ion:202 Resp: 310859
Ion Ratio Lower Upper
202 100
101 14.2 10.9 16.3
100 11.4 9.0 13.6



#18
Benzo(a)anthracene
Concen: 3.290 ng/ul
RT: 21.10 min Scan# 4658
Delta R.T. -0.00 min
Lab File: BN009059.D
Acq: 20 Dec 2019 09:08

Tgt Ion:228 Resp: 133410
Ion Ratio Lower Upper
228 100
229 20.3 15.5 23.3
226 27.9 21.7 32.5





#19

Chrysene

Concen: 3.472 ng/ul

RT: 21.15 min Scan# 4676

Delta R.T. -0.00 min

Lab File: BN009059.D

Acq: 20 Dec 2019 09:08

Instrument :

BNA_N

ClientSampled :

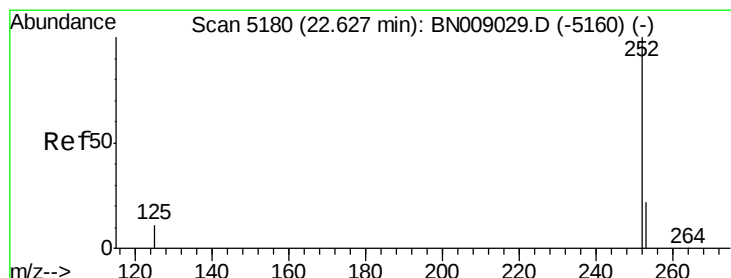
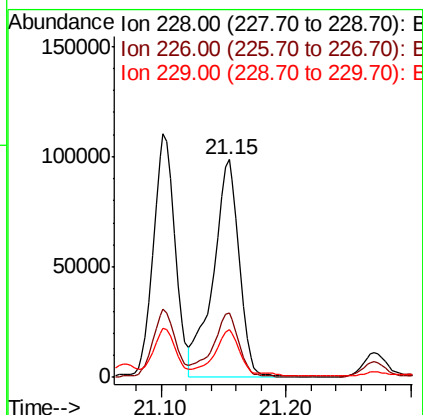
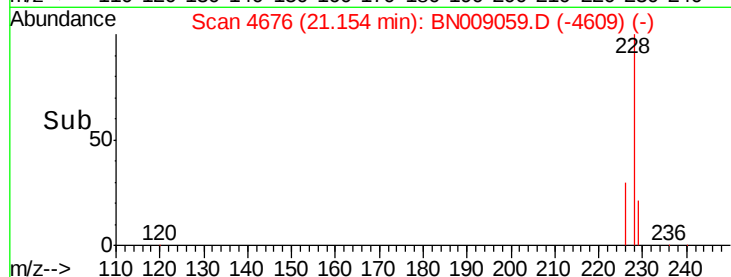
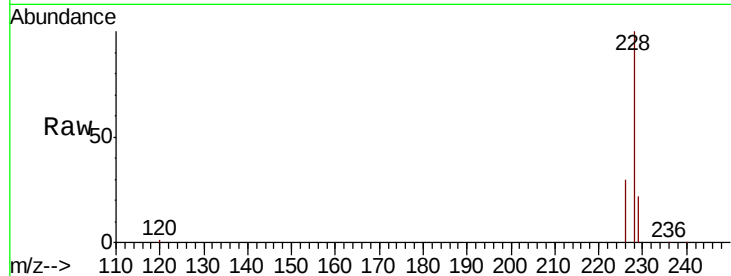
Tot Ion:228 Resp: 141482

Ion Ratio Lower Upper

228 100

226 29.9 23.7 35.5

229 21.7 15.4 23.0



#21

Benzo(b)fluoranthene

Concen: 5.441 ng/ul

RT: 22.63 min Scan# 5180

Delta R.T. 0.00 min

Lab File: BN009059.D

Acq: 20 Dec 2019 09:08

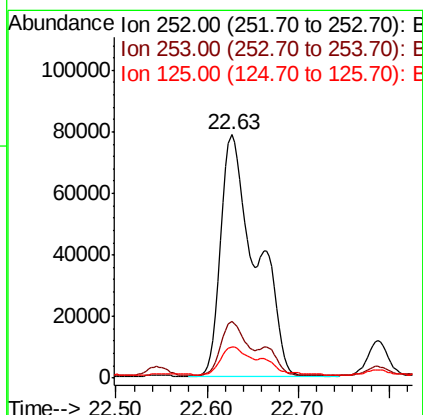
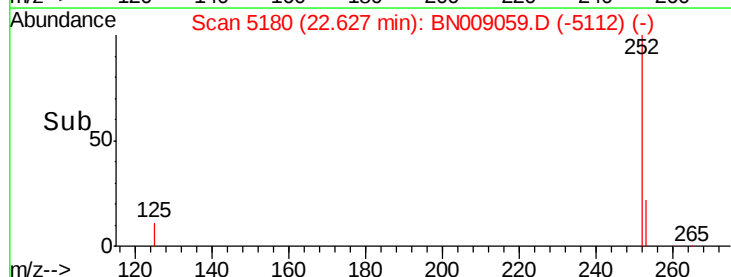
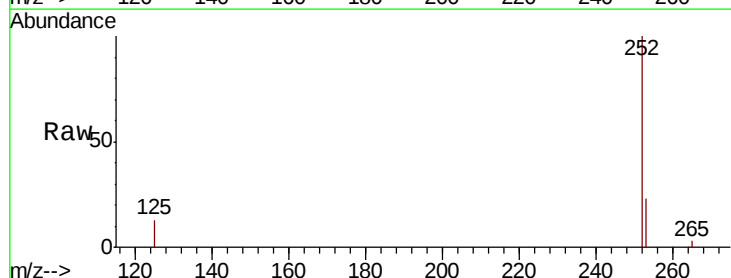
Tgt Ion:252 Resp: 209710

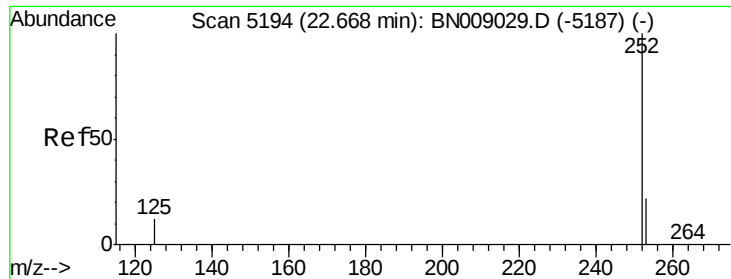
Ion Ratio Lower Upper

252 100

253 23.1 0.0 48.2

125 12.7 0.0 30.0





#22

Benzo(k)fluoranthene

Concen: 5.396 ng/ul

RT: 22.63 min Scan# 5180

Delta R.T. -0.04 min

Lab File: BN009059.D

Acq: 20 Dec 2019 09:08

Instrument :

BNA_N

ClientSampleId :

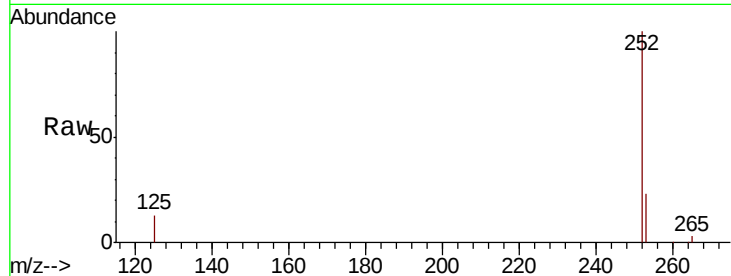
Tot Ion:252 Resp: 209710

Ion Ratio Lower Upper

252 100

253 23.1 19.4 29.0

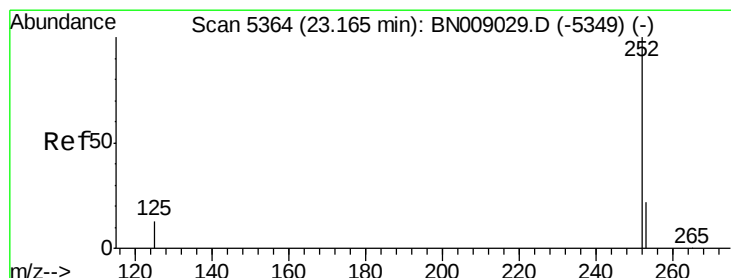
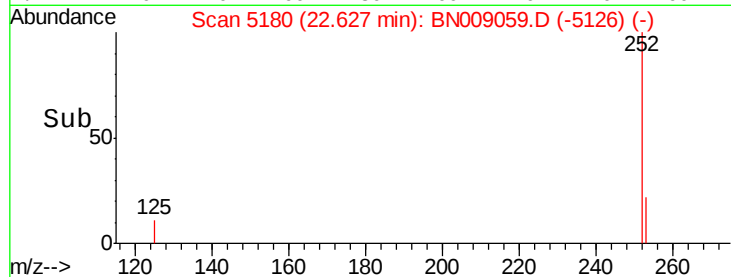
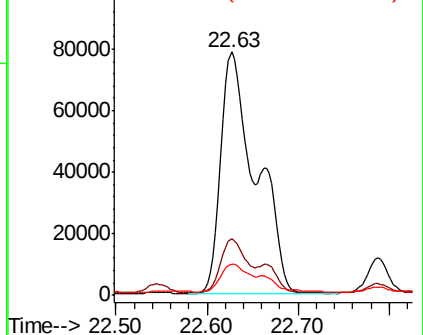
125 12.7 12.4 18.6



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: 3.005 ng/ul

RT: 23.16 min Scan# 5364

Delta R.T. 0.00 min

Lab File: BN009059.D

Acq: 20 Dec 2019 09:08

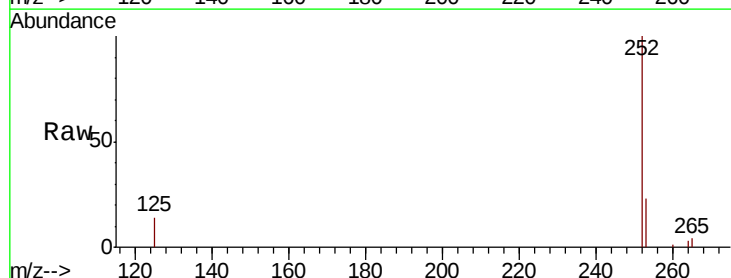
Tgt Ion:252 Resp: 101490

Ion Ratio Lower Upper

252 100

253 23.1 20.2 30.4

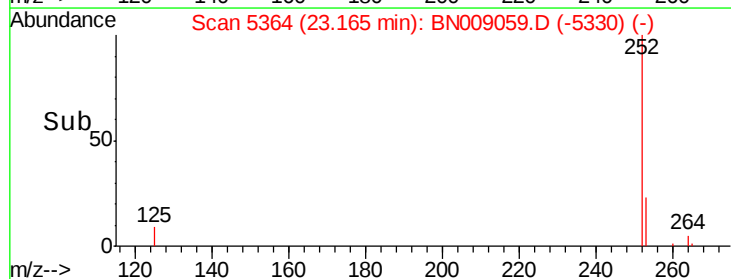
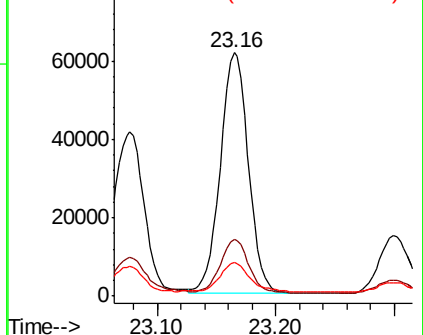
125 13.6 13.2 19.8

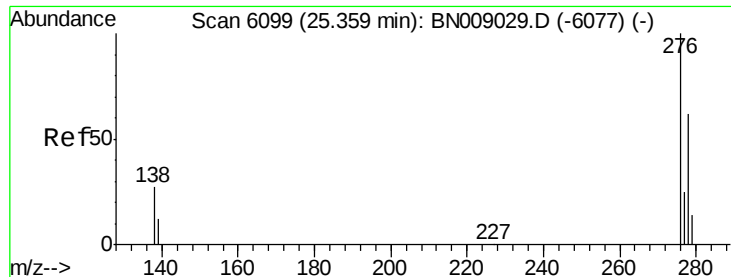


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



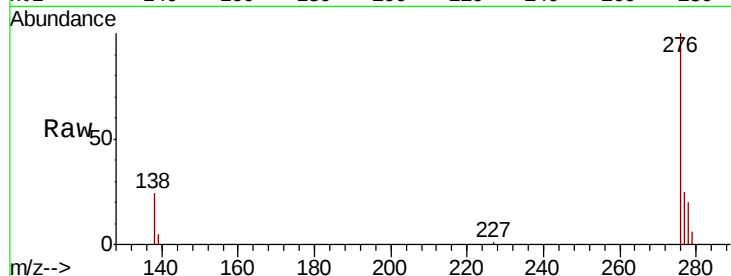


#24

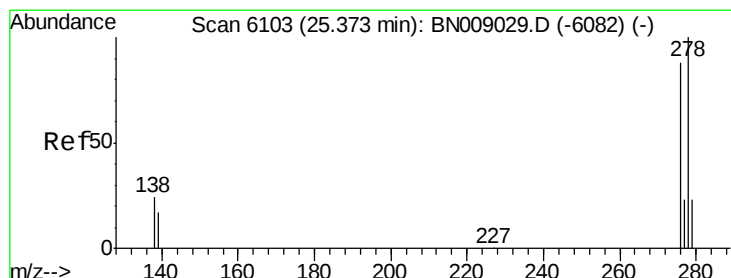
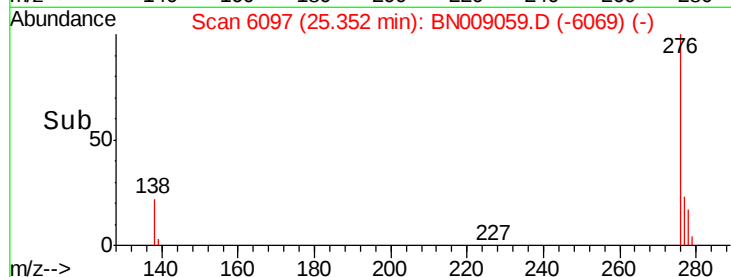
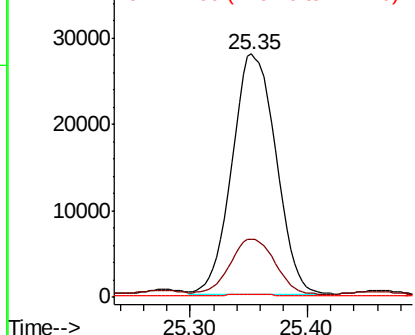
Indeno(1,2,3-cd)pyrene
Concen: 1.960 ng/ul
RT: 25.35 min Scan# 6097
Delta R.T. -0.01 min
Lab File: BN009059.D
Acq: 20 Dec 2019 09:08

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 72077
Ion Ratio Lower Upper
276 100
138 23.3 22.4 33.6
227 0.2 0.2 0.4#



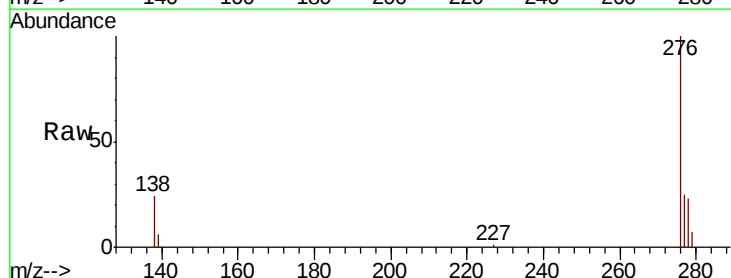
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



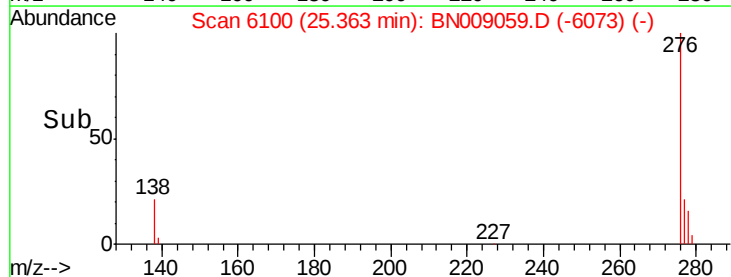
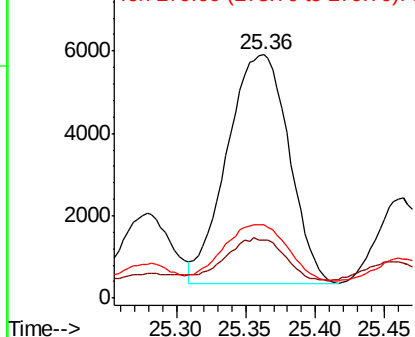
#25

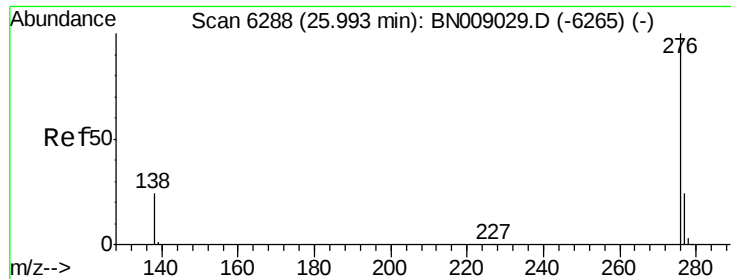
Dibenzo(a,h)anthracene
Concen: 0.586 ng/ul
RT: 25.36 min Scan# 6100
Delta R.T. -0.01 min
Lab File: BN009059.D
Acq: 20 Dec 2019 09:08

Tgt Ion:278 Resp: 17170
Ion Ratio Lower Upper
278 100
139 24.0 16.2 24.2
279 30.0 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(a,h,i)perylene

Concen: 2.208 ng/ul

RT: 25.99 min Scan# 6288

Delta R.T. 0.00 min

Lab File: BN009059.D

Acq: 20 Dec 2019 09:08

Instrument :

BNA_N

ClientSampleId :

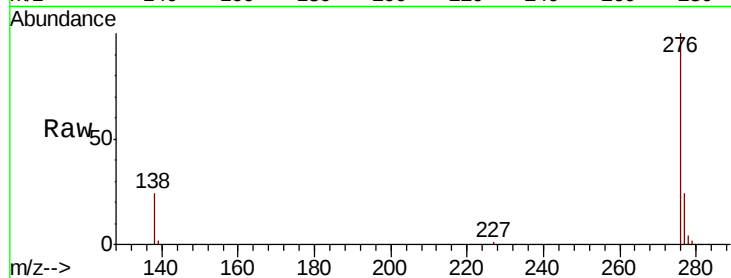
Tot Ion:276 Resp: 68415

Ion Ratio Lower Upper

276 100

138 24.2 20.6 30.8

277 24.2 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

