

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121919\
 Data File : BN009050.D
 Acq On : 20 Dec 2019 03:48
 Operator : JU
 Sample : K6171-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 20 05:07:16 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 : Thu Dec 19 15:54:16 2019
 Response via : Initial Calibration

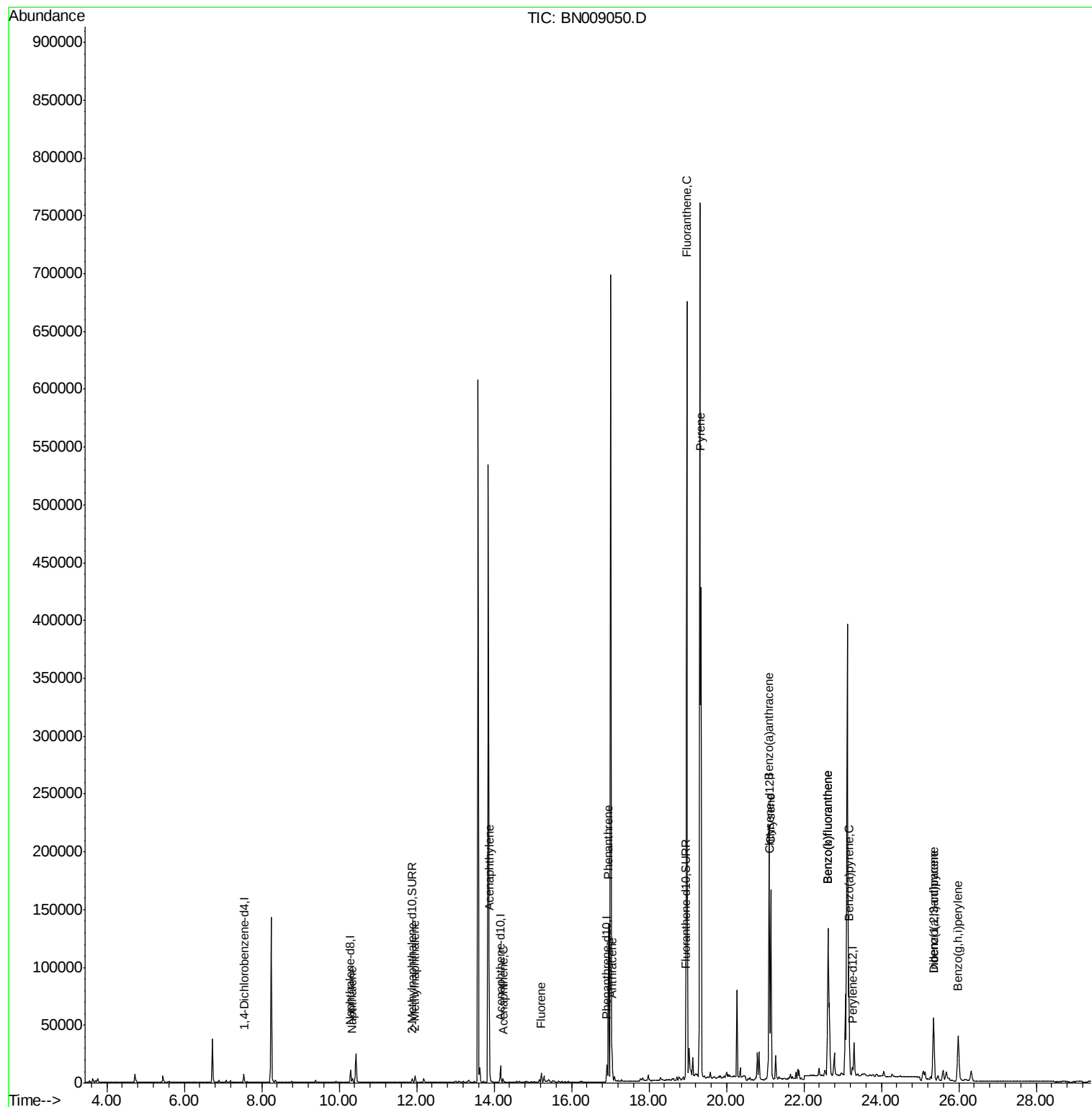
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	3375	0.40	ng/ul	0.00
2) Naphthalene-d8	10.29	136	13286	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.17	164	7727	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.91	188	16070	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	9439	0.40	ng/ul	0.00
20) Perylene-d12	23.25	264	8107	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.89	152	4460	0.19	ng/ul	0.00
14) Fluoranthene-d10	18.95	212	10202	0.22	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.34	128	4609	0.114	ng/ul	97
5) 2-Methylnaphthalene	11.96	142	4002	0.131	ng/ul	99
7) Acenaphthylene	13.88	152	14457	0.356	ng/ul	99
8) Acenaphthene	14.23	153	1819	0.057	ng/ul	97
9) Fluorene	15.22	166	4985	0.132	ng/ul#	98
12) Phenanthrene	16.95	178	138304	2.475	ng/ul	100
13) Anthracene	17.05	178	30284	0.604	ng/ul	99
15) Fluoranthene	18.98	202	545980	8.543	ng/ul	98
17) Pyrene	19.34	202	405888	8.429	ng/ul	99
18) Benzo(a)anthracene	21.10	228	181005	4.318	ng/ul	97
19) Chrysene	21.15	228	158948	3.773	ng/ul	97
21) Benzo(b)fluoranthene	22.62	252	255527	6.750	ng/ul	97
22) Benzo(k)fluoranthene	22.62	252	255527	6.695	ng/ul	96
23) Benzo(a)pyrene	23.16	252	115329	3.477	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.35	276	78093	2.162	ng/ul	91
25) Dibenzo(a,h)anthracene	25.36	278	17895	0.622	ng/ul	92
26) Benzo(a,h,i)perylene	25.99	276	73348	2.410	ng/ul	99

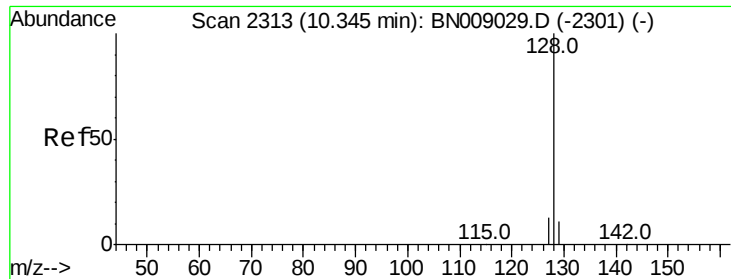
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.114 ng/ul

RT: 10.34 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BN009050.D

Acq: 20 Dec 2019 03:48

Instrument :

BNA_N

ClientSampleId :

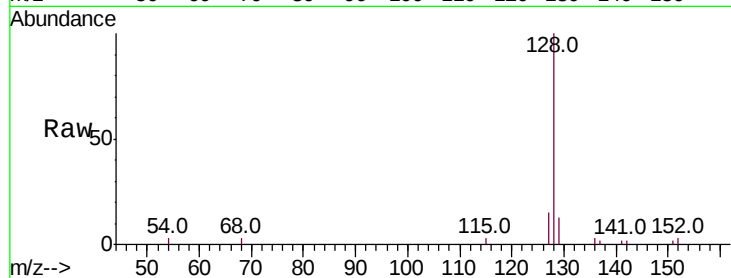
Tot Ion:128 Resp: 4609

Ion Ratio Lower Upper

128 100

129 12.7 9.0 13.4

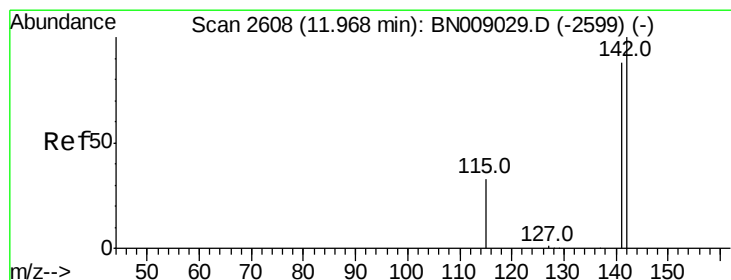
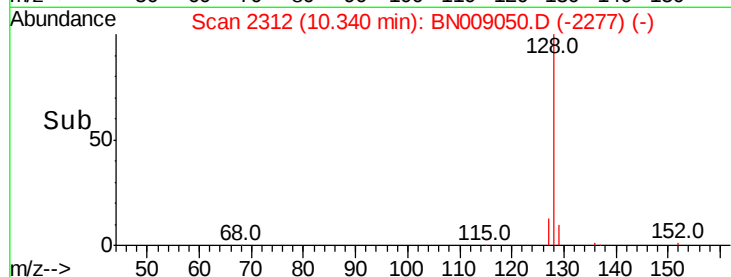
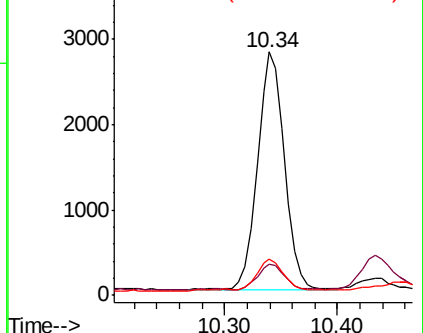
127 14.7 10.9 16.3



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: 0.131 ng/ul

RT: 11.96 min Scan# 2607

Delta R.T. -0.01 min

Lab File: BN009050.D

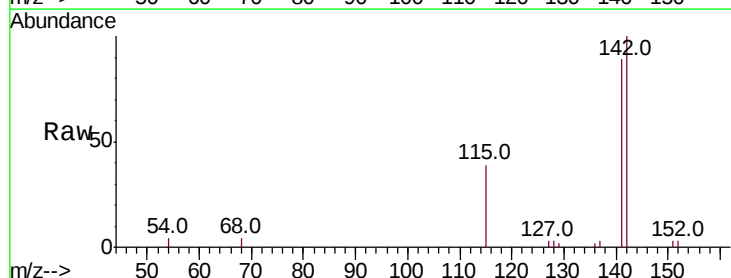
Acq: 20 Dec 2019 03:48

Tgt Ion:142 Resp: 4002

Ion Ratio Lower Upper

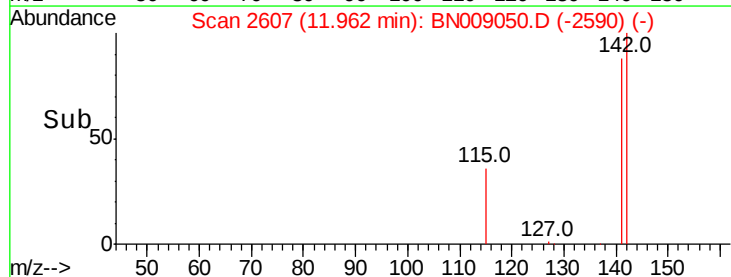
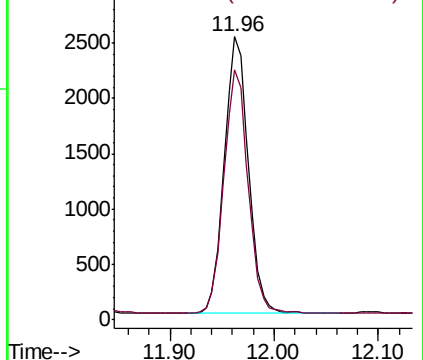
142 100

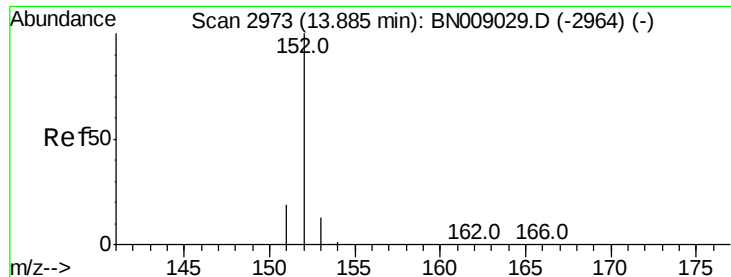
141 88.5 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.356 ng/ul

RT: 13.88 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BN009050.D

Acq: 20 Dec 2019 03:48

Instrument :

BNA_N

ClientSampleId :

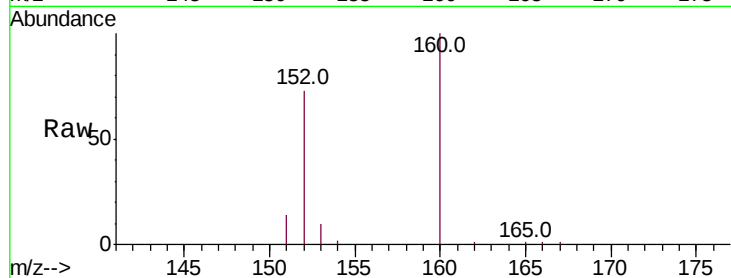
Tot Ion:152 Resp: 14457

Ion Ratio Lower Upper

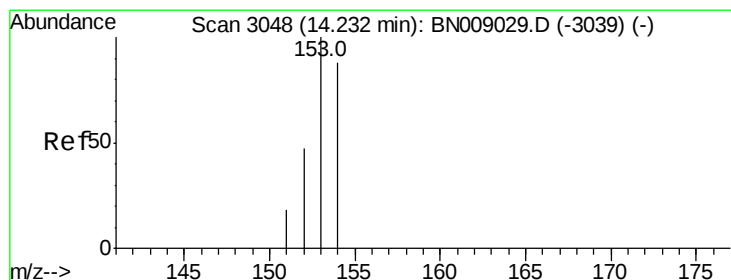
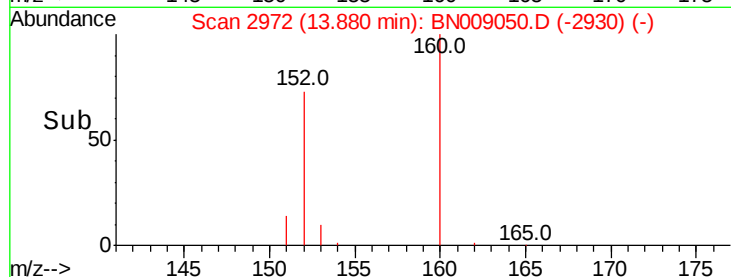
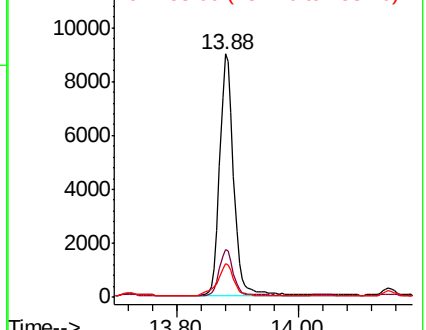
152 100

151 19.8 15.7 23.5

153 13.9 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: 0.057 ng/ul

RT: 14.23 min Scan# 3047

Delta R.T. -0.00 min

Lab File: BN009050.D

Acq: 20 Dec 2019 03:48

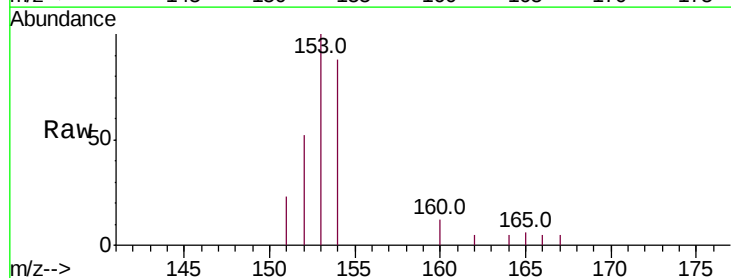
Tgt Ion:153 Resp: 1819

Ion Ratio Lower Upper

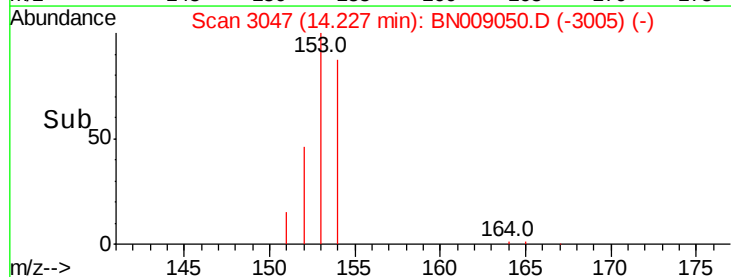
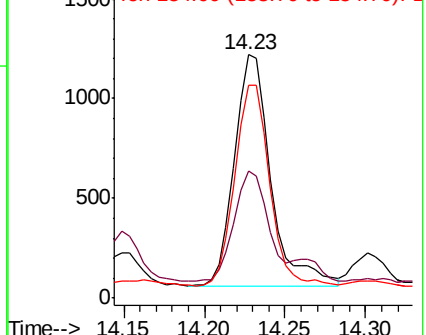
153 100

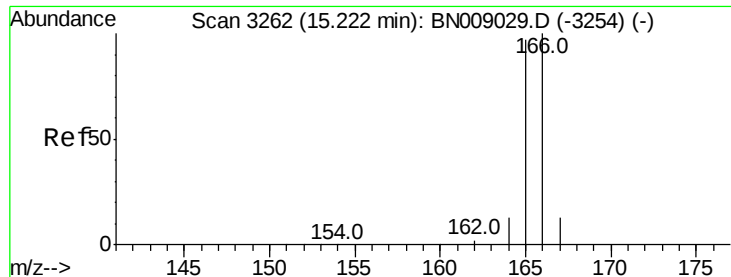
152 52.3 39.5 59.3

154 87.6 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: 0.132 ng/ul

RT: 15.22 min Scan# 3262

Delta R.T. 0.00 min

Lab File: BN009050.D

Acq: 20 Dec 2019 03:48

Instrument :

BNA_N

ClientSampleId :

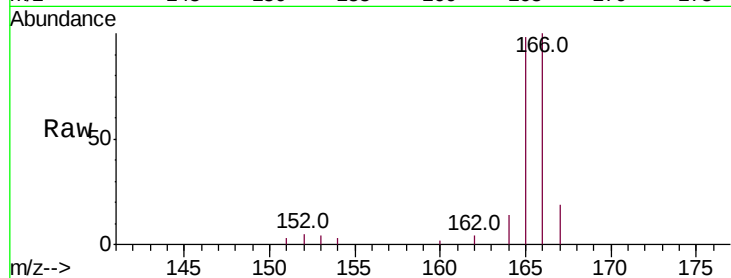
Tot Ion:166 Resp: 4985

Ion Ratio Lower Upper

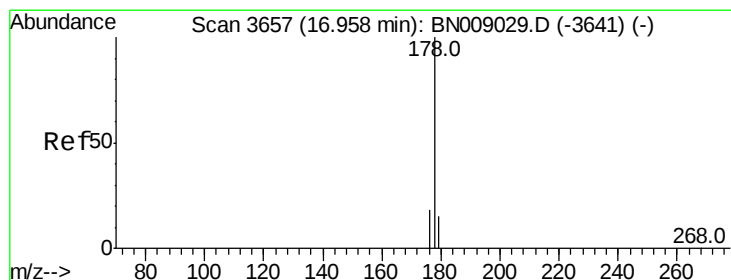
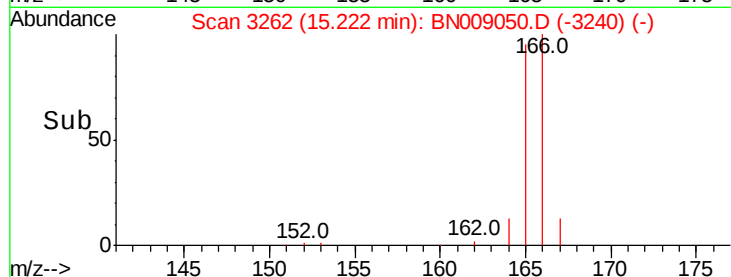
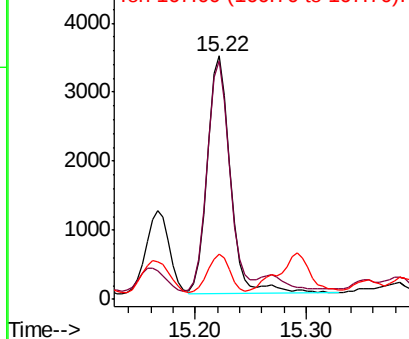
166 100

165 97.7 78.2 117.4

167 18.8 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: 2.475 ng/ul

RT: 16.95 min Scan# 3656

Delta R.T. -0.00 min

Lab File: BN009050.D

Acq: 20 Dec 2019 03:48

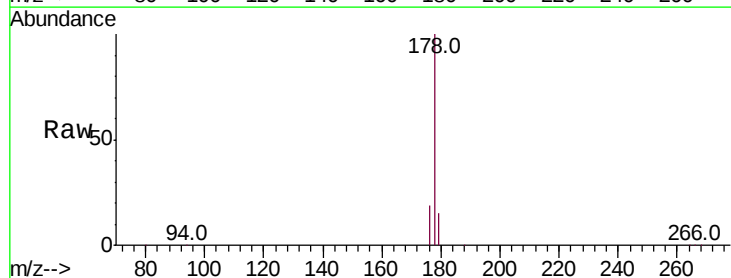
Tgt Ion:178 Resp: 138304

Ion Ratio Lower Upper

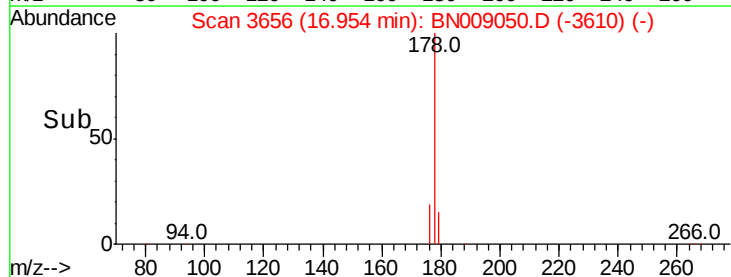
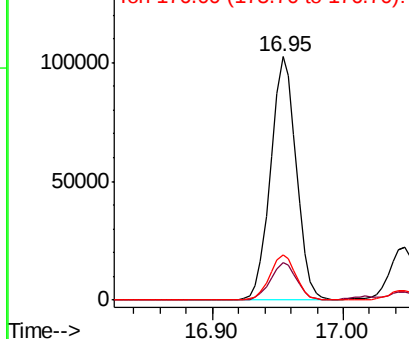
178 100

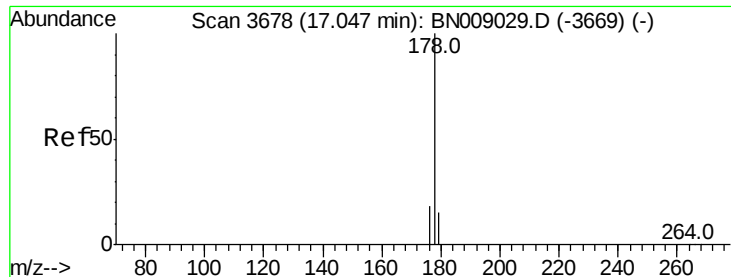
179 15.2 12.3 18.5

176 18.8 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: 0.604 ng/ul

RT: 17.05 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BN009050.D

Acq: 20 Dec 2019 03:48

Instrument :

BNA_N

ClientSampleId :

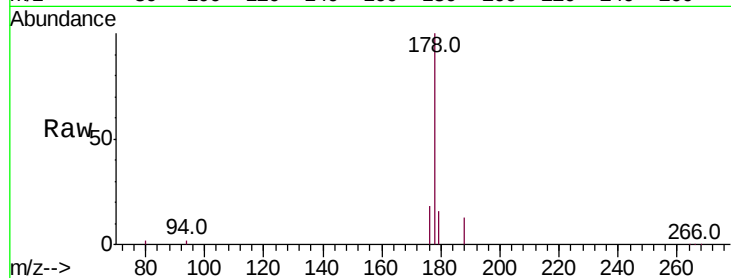
Tot Ion:178 Resp: 30284

Ion Ratio Lower Upper

178 100

179 15.9 12.5 18.7

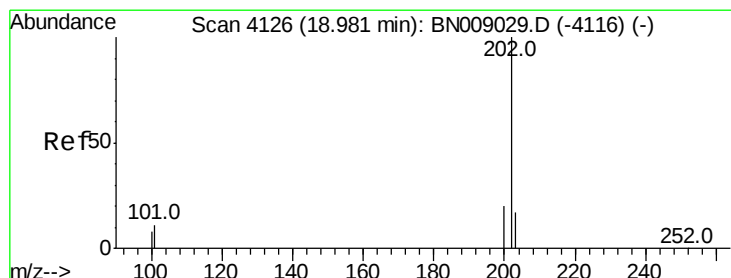
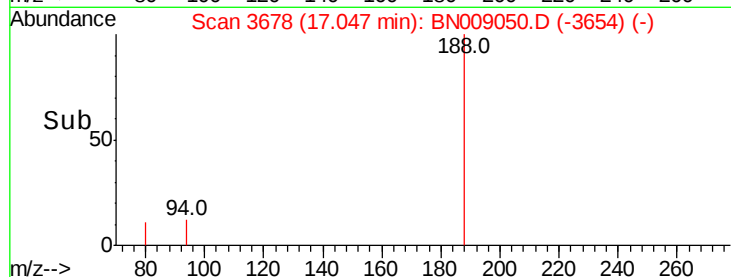
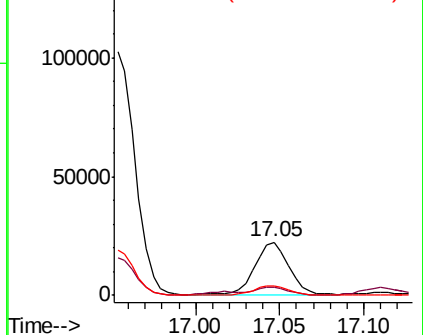
176 18.2 14.9 22.3



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: 8.543 ng/ul

RT: 18.98 min Scan# 4125

Delta R.T. -0.00 min

Lab File: BN009050.D

Acq: 20 Dec 2019 03:48

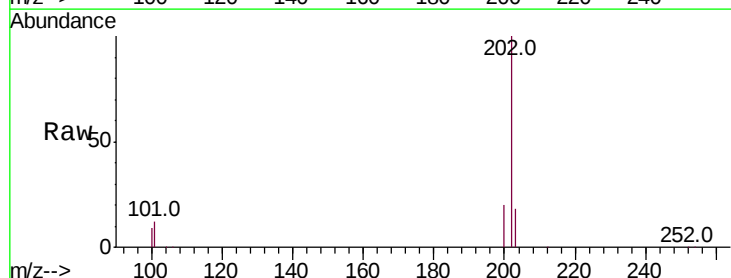
Tgt Ion:202 Resp: 545980

Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.5

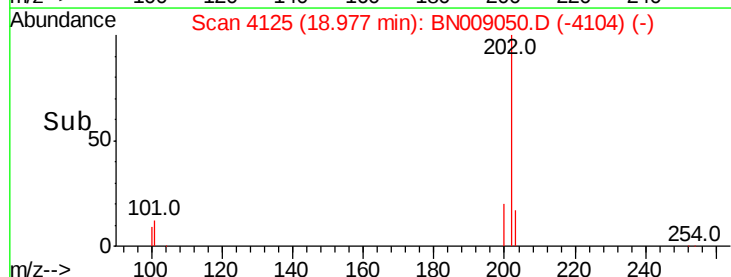
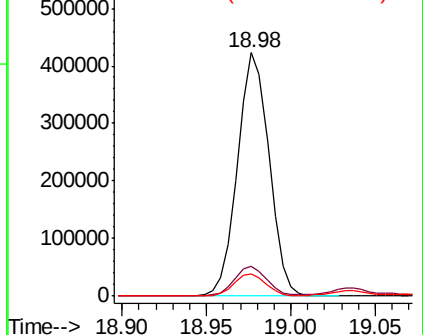
100 9.4 0.0 28.9

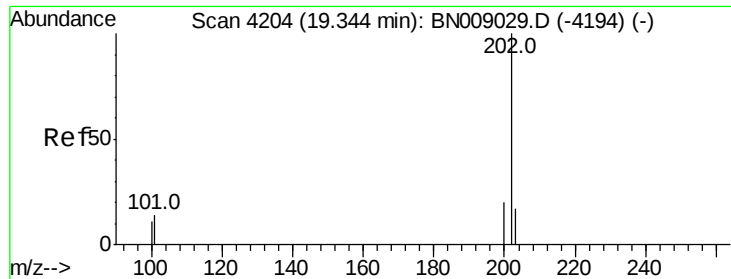


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

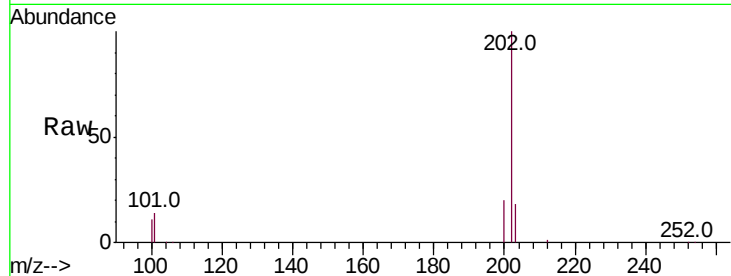




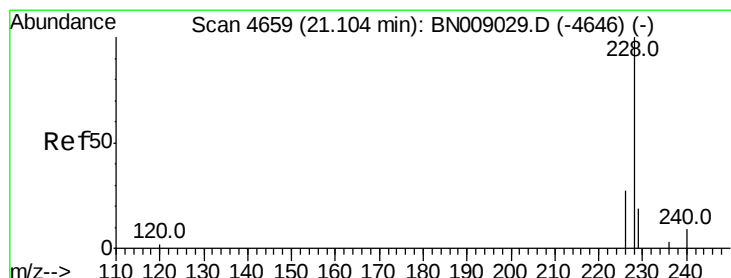
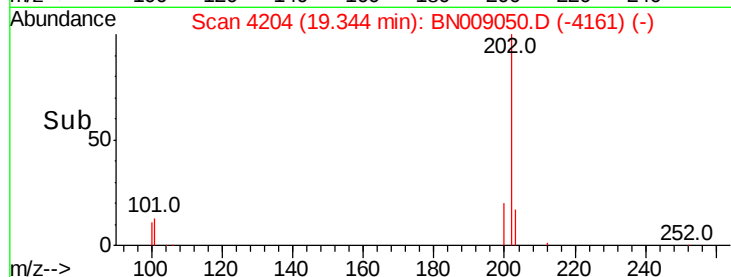
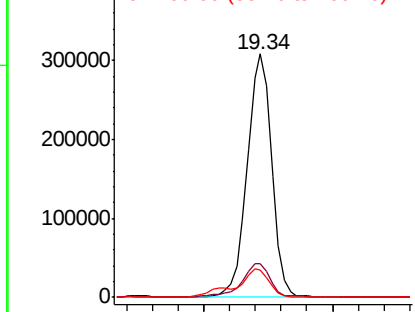
#17
Pvrene
Concen: 8.429 ng/ul
RT: 19.34 min Scan# 4204
Delta R.T. 0.00 min
Lab File: BN009050.D
Acq: 20 Dec 2019 03:48

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 405888
Ion Ratio Lower Upper
202 100
101 14.1 10.9 16.3
100 11.2 9.0 13.6

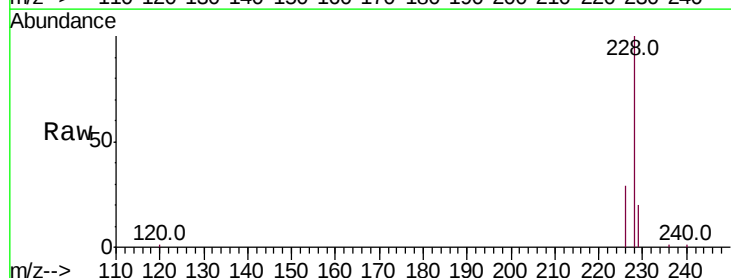


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

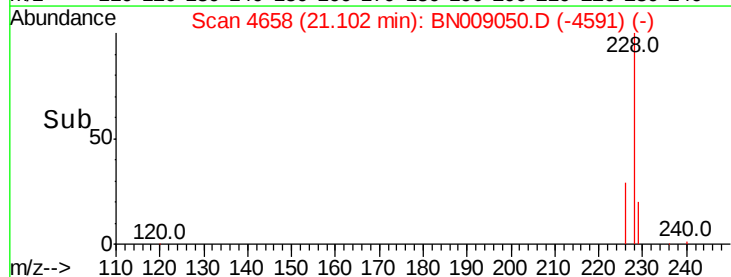
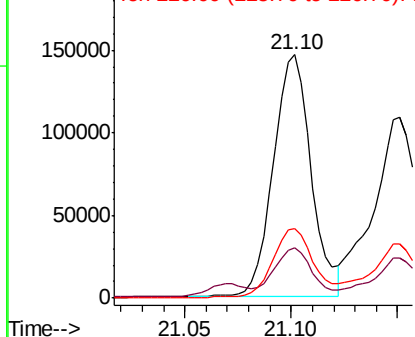


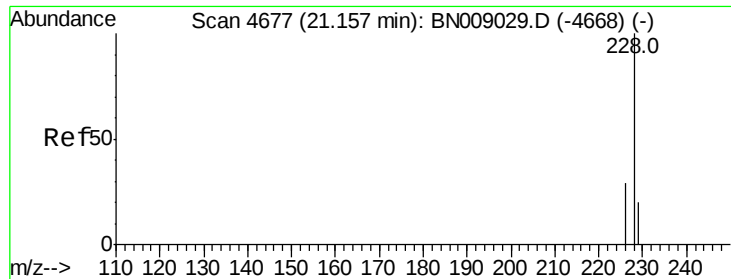
#18
Benzo(a)anthracene
Concen: 4.318 ng/ul
RT: 21.10 min Scan# 4658
Delta R.T. -0.00 min
Lab File: BN009050.D
Acq: 20 Dec 2019 03:48

Tgt Ion:228 Resp: 181005
Ion Ratio Lower Upper
228 100
229 20.5 15.5 23.3
226 28.8 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: 3.773 ng/ul

RT: 21.15 min Scan# 4675

Delta R.T. -0.01 min

Lab File: BN009050.D

Acq: 20 Dec 2019 03:48

Instrument :

BNA_N

ClientSampleId :

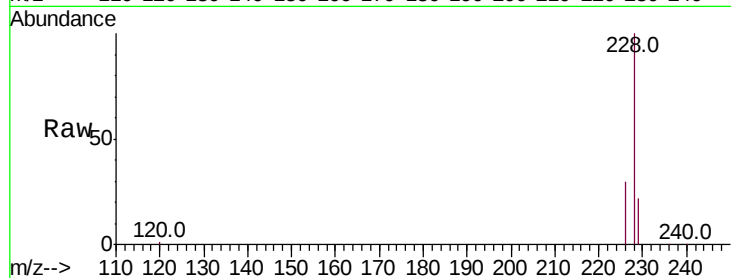
Tot Ion:228 Resp: 158948

Ion Ratio Lower Upper

228 100

226 29.8 23.7 35.5

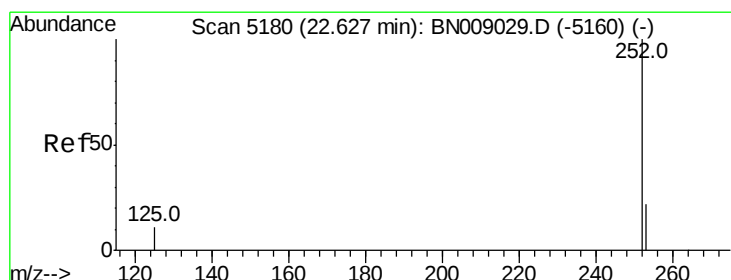
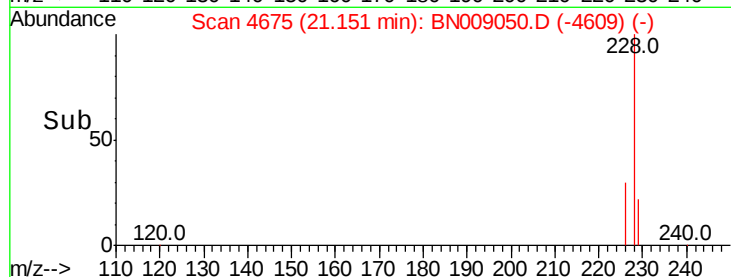
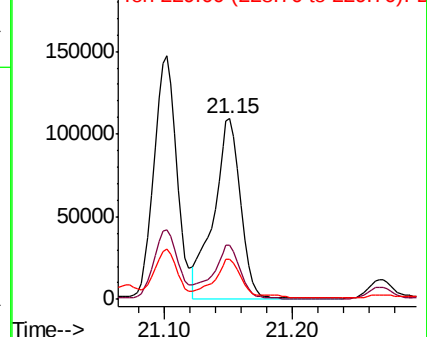
229 22.4 15.4 23.0



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: 6.750 ng/ul

RT: 22.62 min Scan# 5179

Delta R.T. -0.00 min

Lab File: BN009050.D

Acq: 20 Dec 2019 03:48

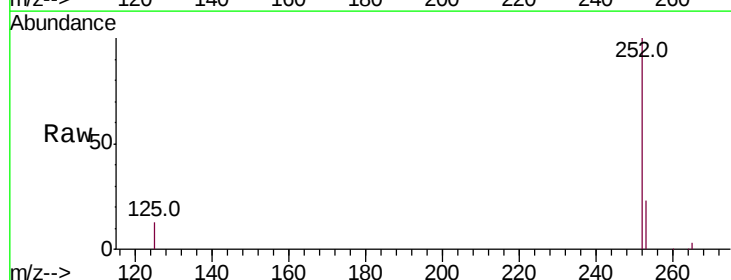
Tgt Ion:252 Resp: 255527

Ion Ratio Lower Upper

252 100

253 22.9 0.0 48.2

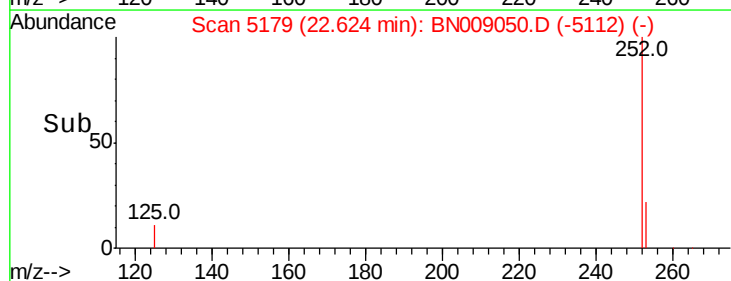
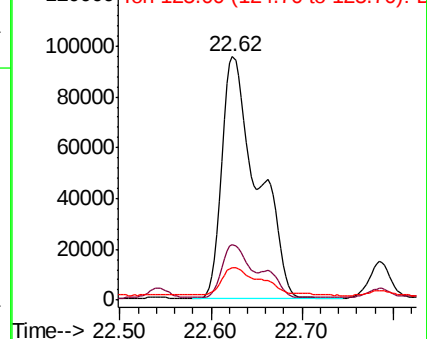
125 13.2 0.0 30.0

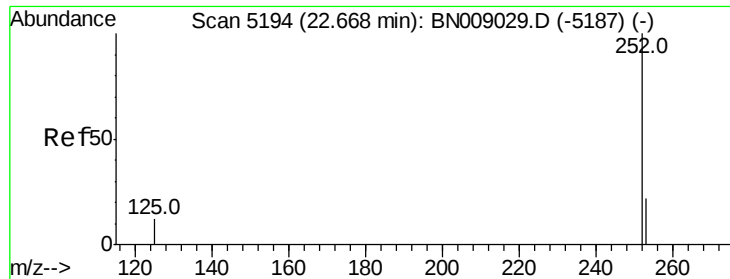


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

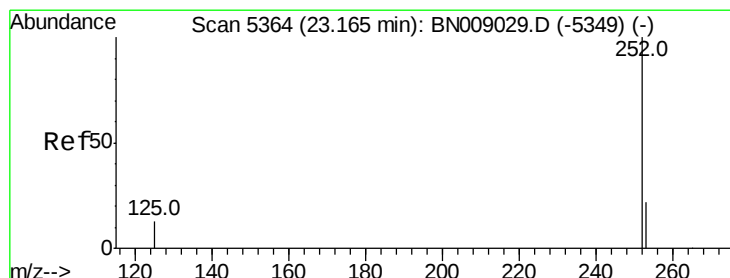
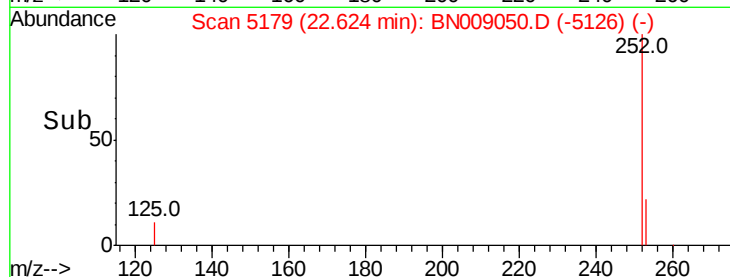
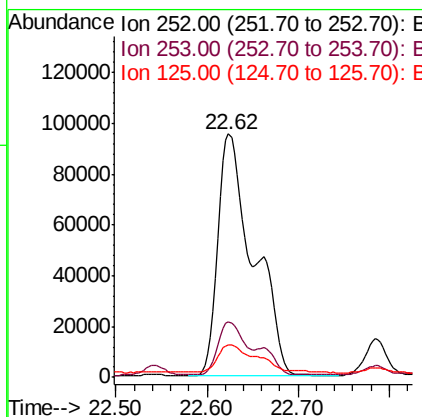
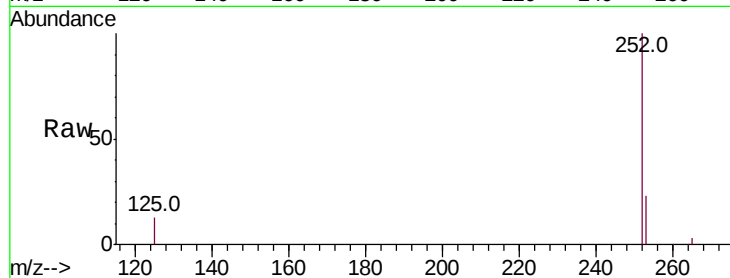




#22
Benzo(k)fluoranthene
Concen: 6.695 ng/ul
RT: 22.62 min Scan# 5179
Delta R.T. -0.04 min
Lab File: BN009050.D
Acq: 20 Dec 2019 03:48

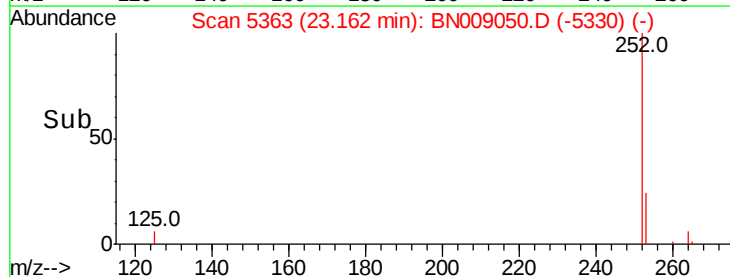
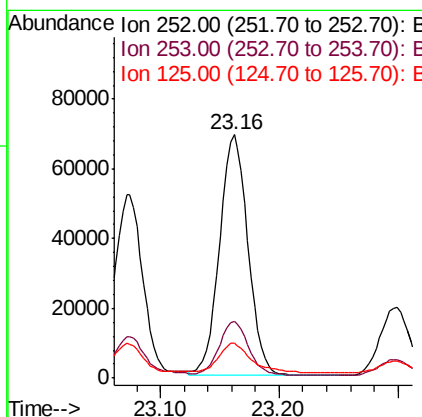
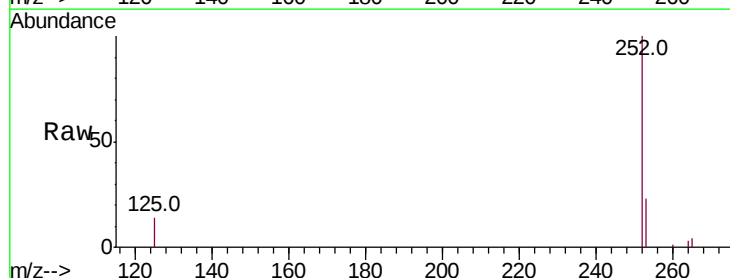
Instrument :
BNA_N
ClientSampleId :

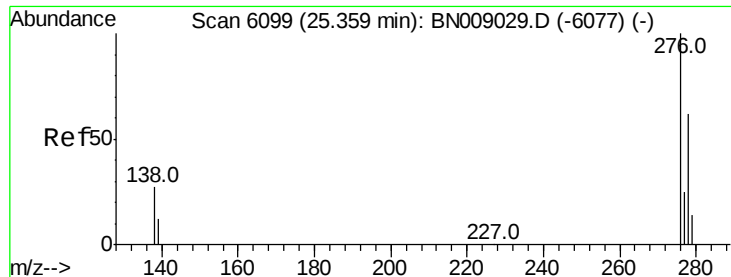
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.4	29.0
125	13.2	12.4	18.6



#23
Benzo(a)pyrene
Concen: 3.477 ng/ul
RT: 23.16 min Scan# 5363
Delta R.T. -0.00 min
Lab File: BN009050.D
Acq: 20 Dec 2019 03:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	20.2	30.4
125	14.3	13.2	19.8



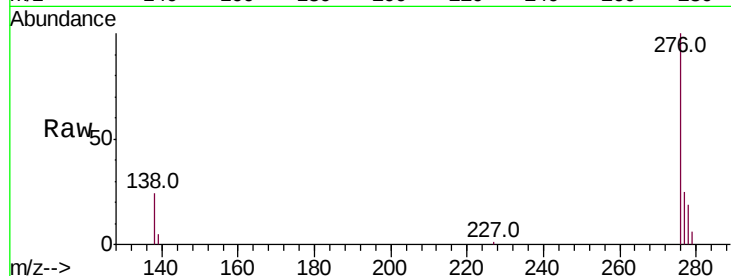


#24

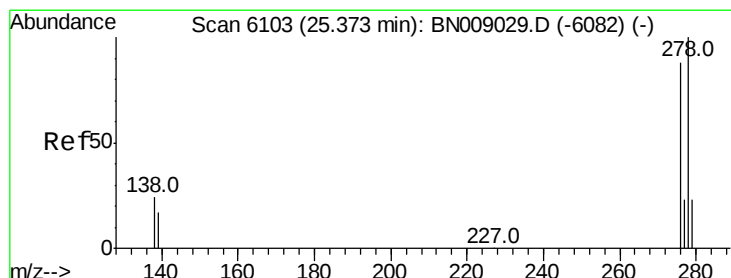
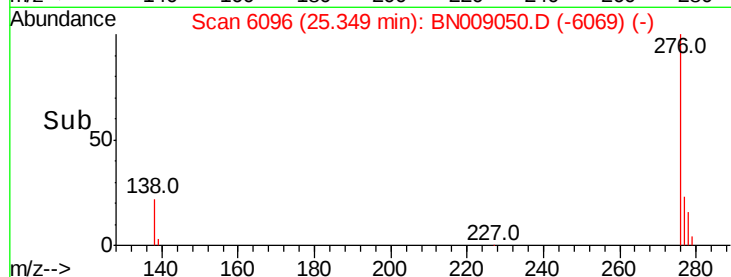
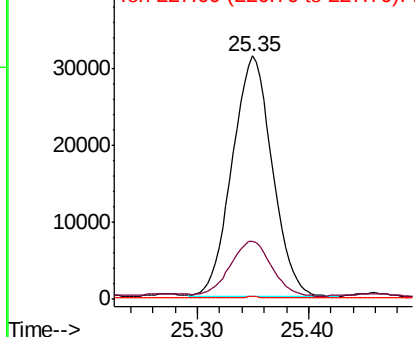
Indeno(1,2,3-cd)pyrene
Concen: 2.162 ng/ul
RT: 25.35 min Scan# 6096
Delta R.T. -0.01 min
Lab File: BN009050.D
Acq: 20 Dec 2019 03:48

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 78093
Ion Ratio Lower Upper
276 100
138 23.4 22.4 33.6
227 0.3 0.2 0.4



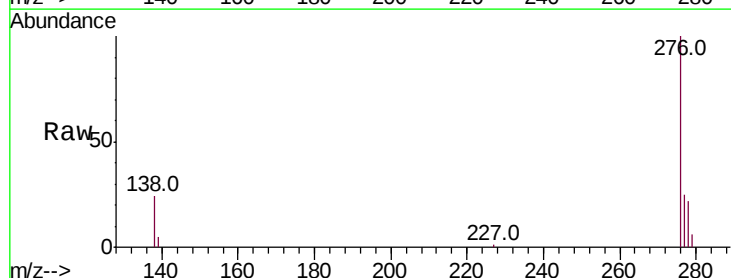
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



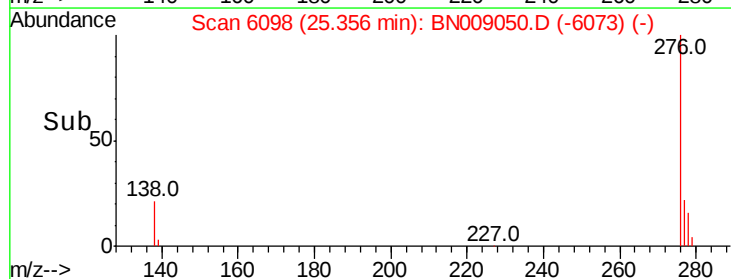
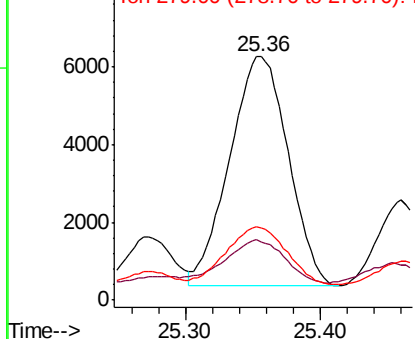
#25

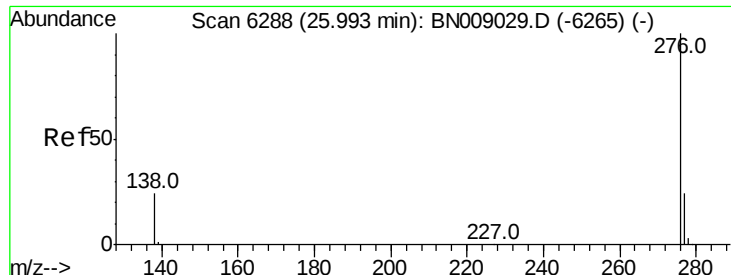
Dibenzo(a,h)anthracene
Concen: 0.622 ng/ul
RT: 25.36 min Scan# 6098
Delta R.T. -0.02 min
Lab File: BN009050.D
Acq: 20 Dec 2019 03:48

Tgt Ion:278 Resp: 17895
Ion Ratio Lower Upper
278 100
139 24.0 16.2 24.2
279 29.5 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(a,h,i)perylene

Concen: 2.410 ng/ul

RT: 25.99 min Scan# 6286

Delta R.T. -0.01 min

Lab File: BN009050.D

Acq: 20 Dec 2019 03:48

Instrument :

BNA_N

ClientSampleId :

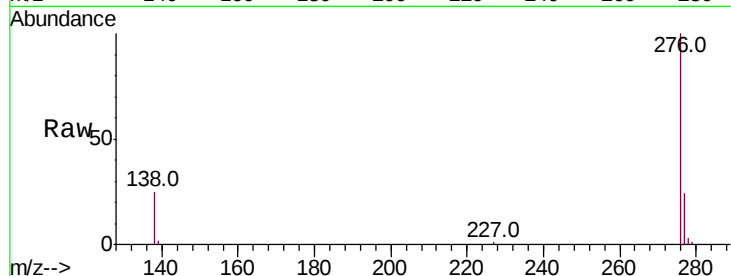
Tot Ion:276 Resp: 73348

Ion Ratio Lower Upper

276 100

138 24.6 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

