

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121919\
 Data File : BN009060.D
 Acq On : 20 Dec 2019 09:44
 Operator : JU
 Sample : K6171-16
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 20 10:53:01 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

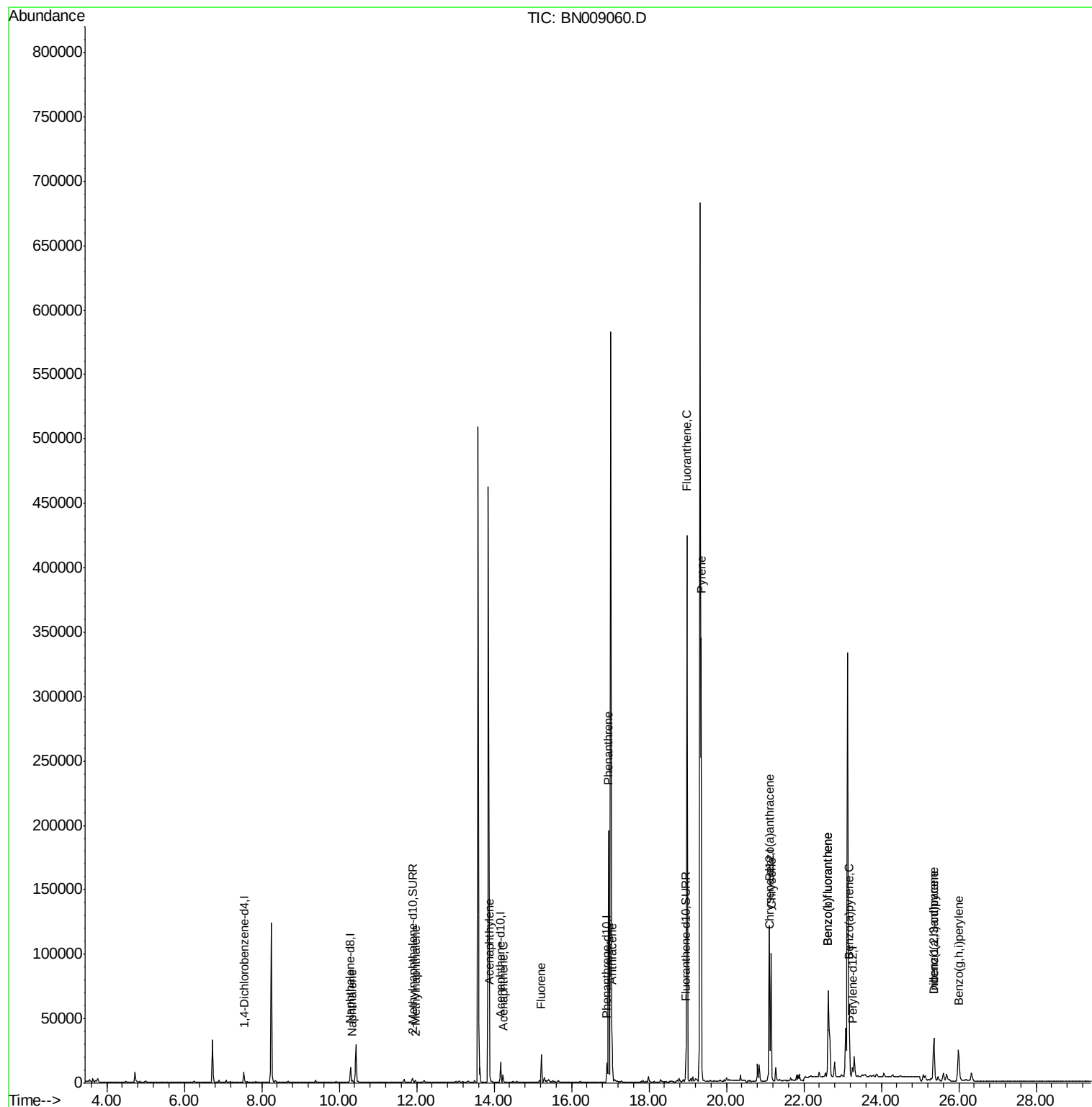
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	3730	0.40	ng/ul	0.00
2) Naphthalene-d8	10.29	136	14581	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.17	164	7970	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.92	188	16309	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	9152	0.40	ng/ul	0.00
20) Perylene-d12	23.26	264	8065	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.89	152	3827	0.15	ng/ul	0.00
14) Fluoranthene-d10	18.95	212	8551	0.18	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.34	128	1662	0.038	ng/ul#	87
5) 2-Methylnaphthalene	11.96	142	1001	0.030	ng/ul	97
7) Acenaphthylene	13.88	152	8212	0.196	ng/ul	98
8) Acenaphthene	14.23	153	3378	0.103	ng/ul	99
9) Fluorene	15.22	166	13289	0.342	ng/ul	99
12) Phenanthrene	16.95	178	193617	3.414	ng/ul	99
13) Anthracene	17.05	178	38203	0.751	ng/ul	99
15) Fluoranthene	18.98	202	360043	5.551	ng/ul	99
17) Pyrene	19.34	202	266295	5.703	ng/ul	100
18) Benzo(a)anthracene	21.10	228	101443	2.496	ng/ul	98
19) Chrysene	21.15	228	89856	2.200	ng/ul	97
21) Benzo(b)fluoranthene	22.63	252	138218	3.670	ng/ul	98
22) Benzo(k)fluoranthene	22.63	252	138218	3.640	ng/ul	97
23) Benzo(a)pyrene	23.16	252	69950	2.120	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.36	276	47243	1.314	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.36	278	10562	0.369	ng/ul#	88
26) Benzo(a,h,i)perylene	25.99	276	45102	1.490	ng/ul	99

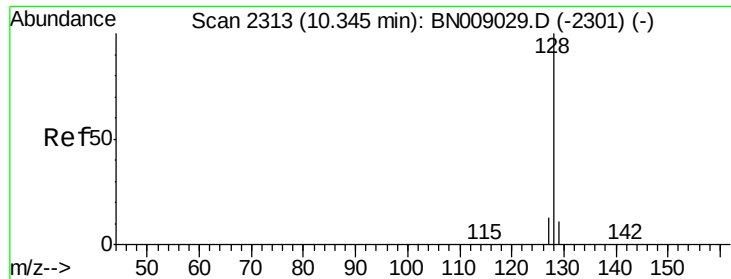
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Naphthalene

Concen: 0.038 ng/ul

RT: 10.34 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BN009060.D

Acq: 20 Dec 2019 09:44

Instrument :

BNA_N

ClientSampled :

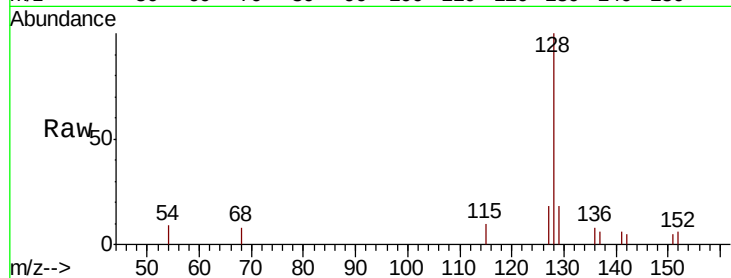
Tot Ion:128 Resp: 1662

Ion Ratio Lower Upper

128 100

129 17.6 9.0 13.4#

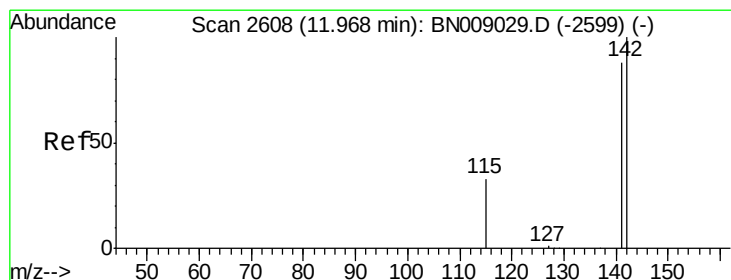
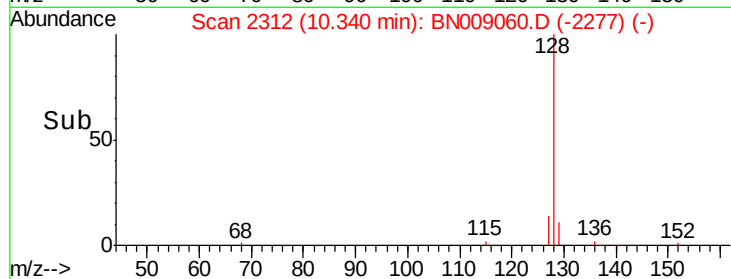
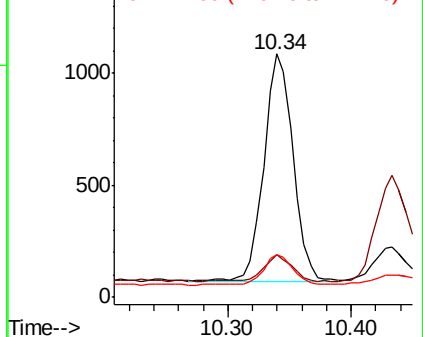
127 17.7 10.9 16.3#



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: 0.030 ng/ul

RT: 11.96 min Scan# 2607

Delta R.T. -0.01 min

Lab File: BN009060.D

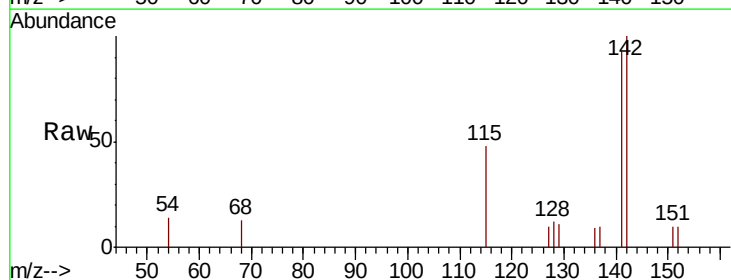
Acq: 20 Dec 2019 09:44

Tgt Ion:142 Resp: 1001

Ion Ratio Lower Upper

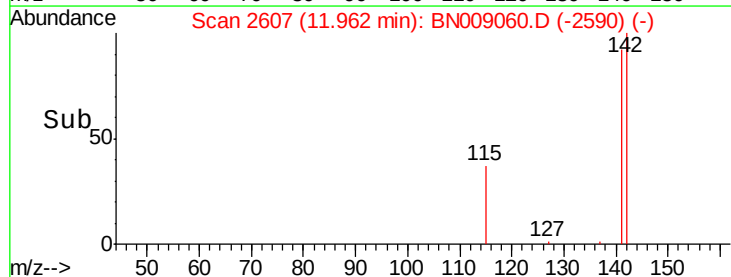
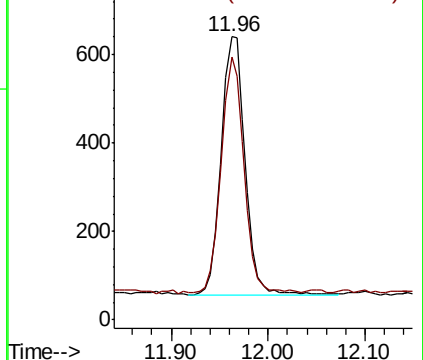
142 100

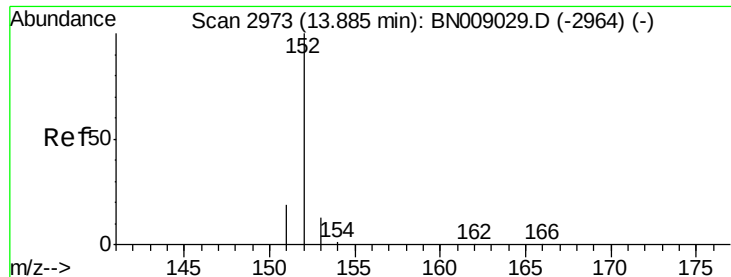
141 85.4 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.196 ng/ul

RT: 13.88 min Scan# 2973

Delta R.T. -0.00 min

Lab File: BN009060.D

Acq: 20 Dec 2019 09:44

Instrument :

BNA_N

ClientSampleId :

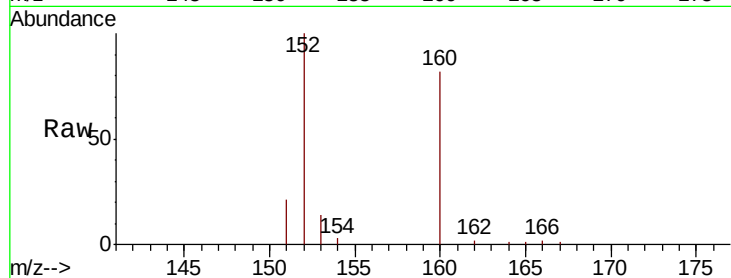
Tot Ion:152 Resp: 8212

Ion Ratio Lower Upper

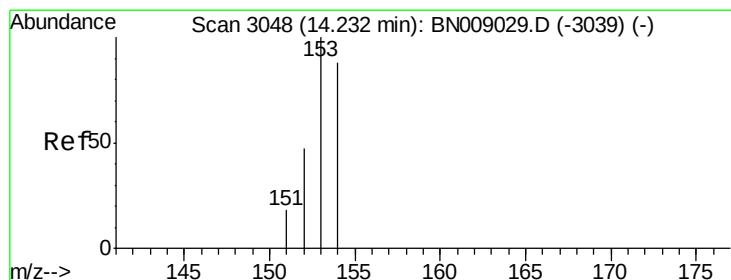
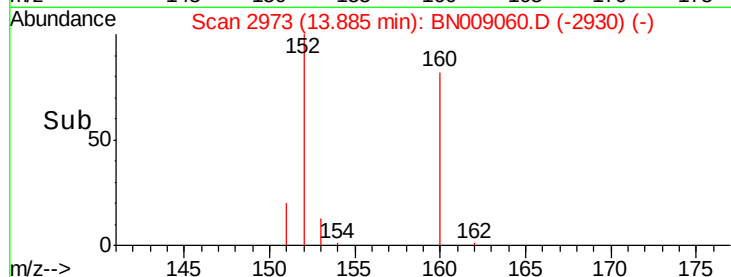
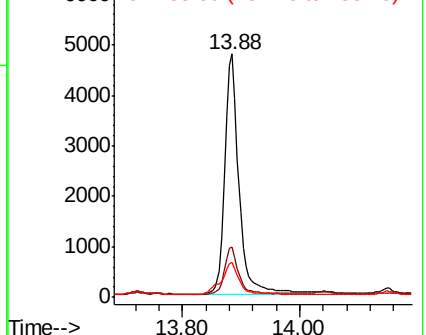
152 100

151 20.7 15.7 23.5

153 14.4 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: 0.103 ng/ul

RT: 14.23 min Scan# 3047

Delta R.T. -0.00 min

Lab File: BN009060.D

Acq: 20 Dec 2019 09:44

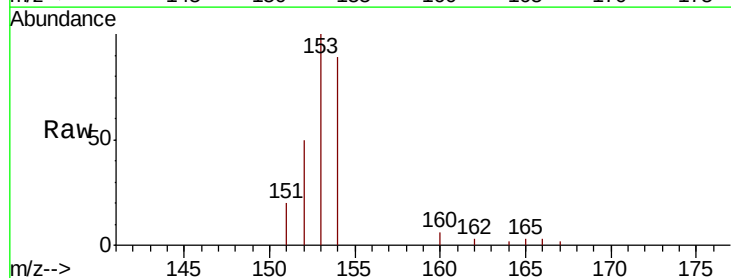
Tgt Ion:153 Resp: 3378

Ion Ratio Lower Upper

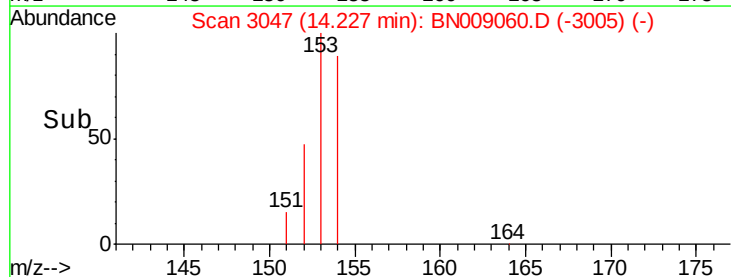
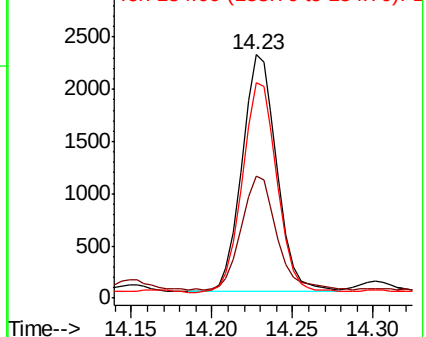
153 100

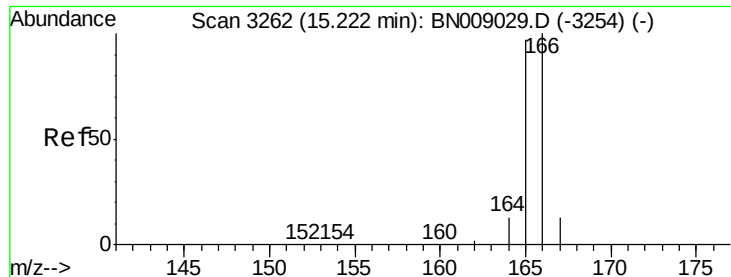
152 49.9 39.5 59.3

154 88.7 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

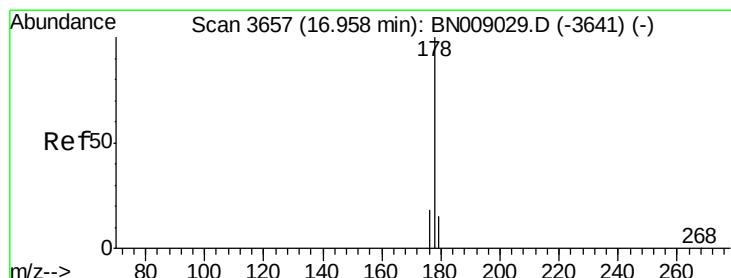
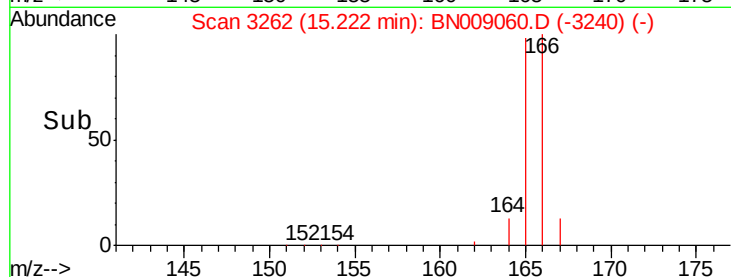
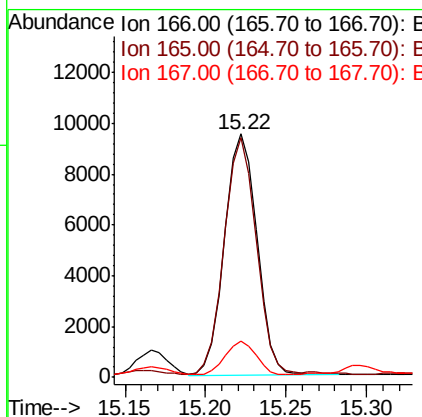
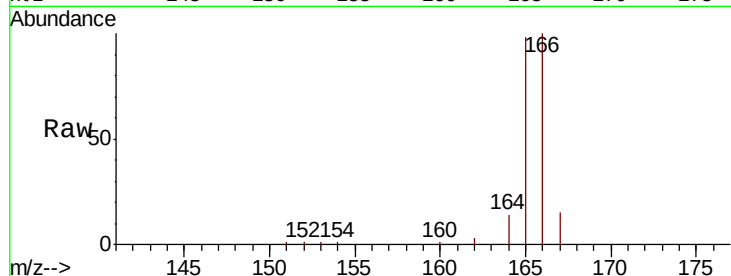




#9
Fluorene
 Concen: 0.342 ng/ul
 RT: 15.22 min Scan# 3262
 Delta R.T. -0.00 min
 Lab File: BN009060.D
 Acq: 20 Dec 2019 09:44

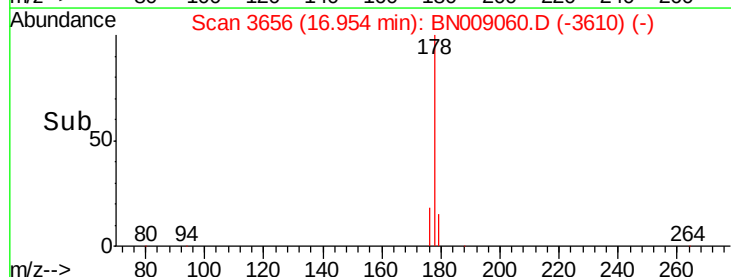
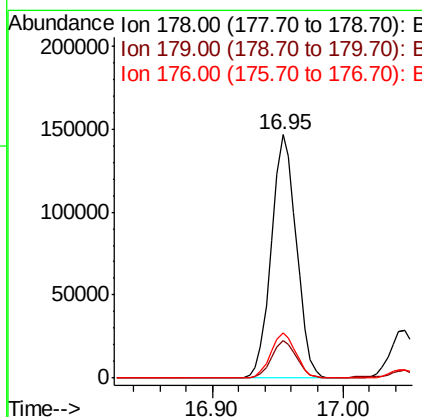
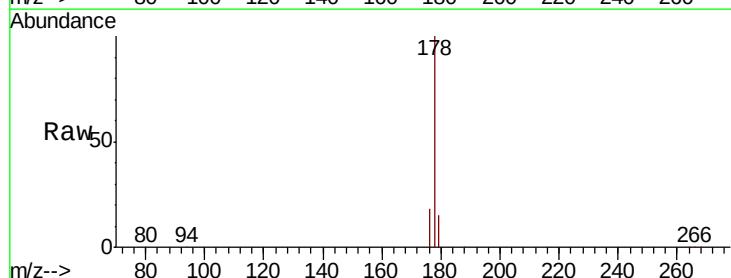
Instrument :
 BNA_N
 ClientSampleId :

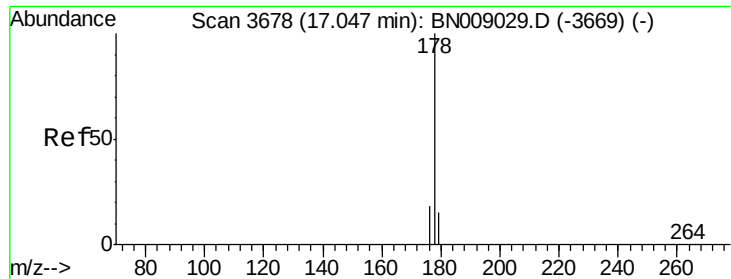
Tot Ion:166 Resp: 13289
 Ion Ratio Lower Upper
 166 100
 165 98.3 78.2 117.4
 167 14.6 11.0 16.6



#12
Phenanthrene
 Concen: 3.414 ng/ul
 RT: 16.95 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: BN009060.D
 Acq: 20 Dec 2019 09:44

Tgt Ion:178 Resp: 193617
 Ion Ratio Lower Upper
 178 100
 179 15.2 12.3 18.5
 176 18.5 15.1 22.7





#13

Anthracene

Concen: 0.751 ng/ul

RT: 17.05 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN009060.D

Acq: 20 Dec 2019 09:44

Instrument :

BNA_N

ClientSampleId :

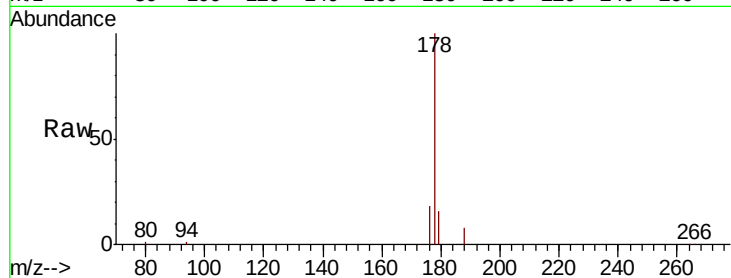
Tot Ion:178 Resp: 38203

Ion Ratio Lower Upper

178 100

179 15.6 12.5 18.7

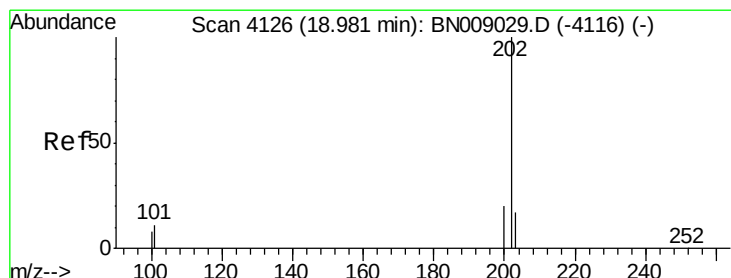
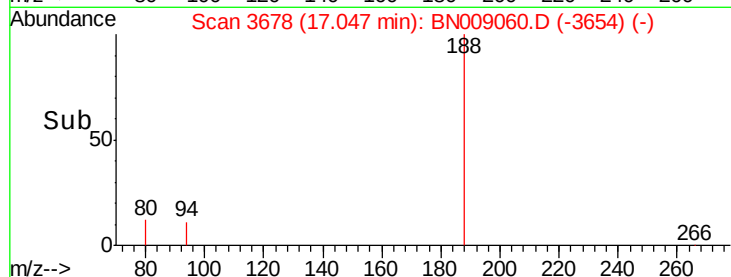
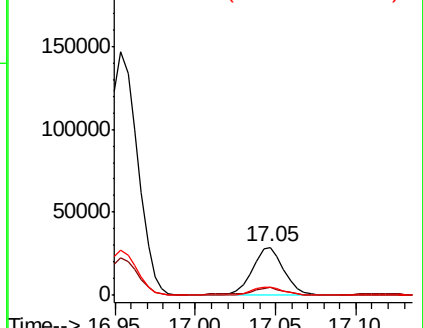
176 18.1 14.9 22.3



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: 5.551 ng/ul

RT: 18.98 min Scan# 4126

Delta R.T. -0.00 min

Lab File: BN009060.D

Acq: 20 Dec 2019 09:44

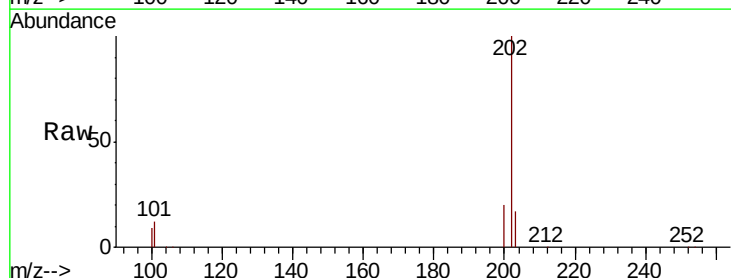
Tgt Ion:202 Resp: 360043

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.5

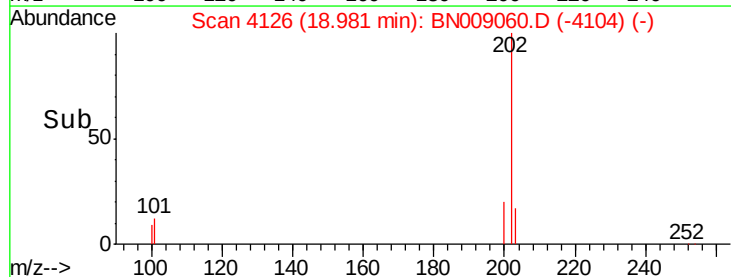
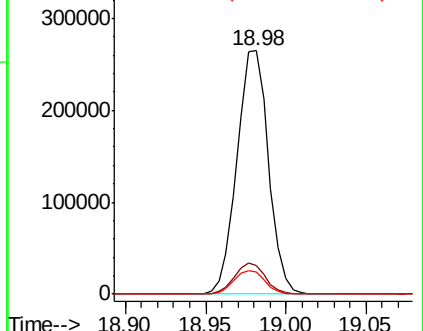
100 8.9 0.0 28.9

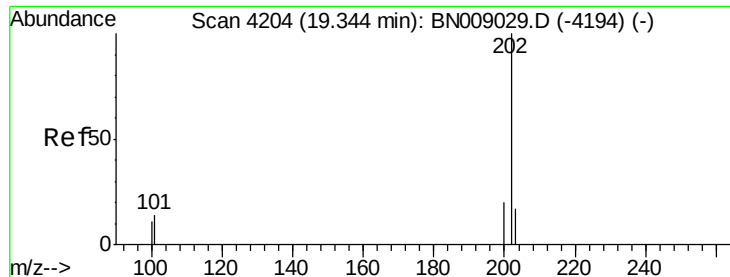


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

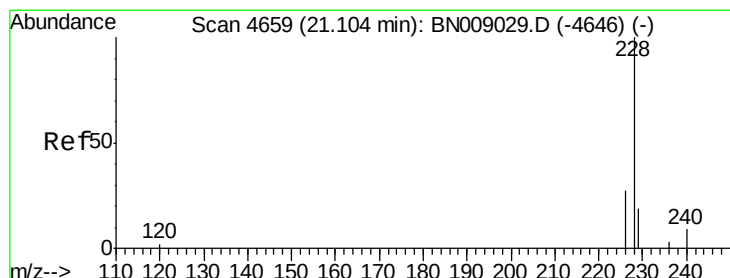
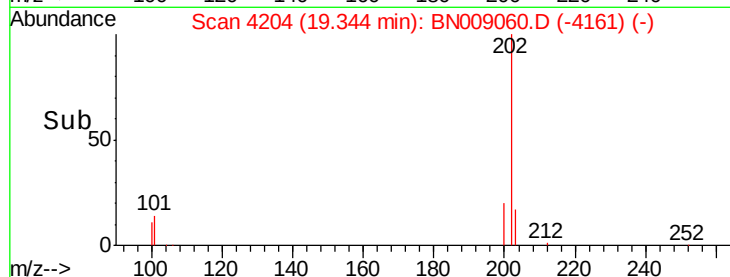
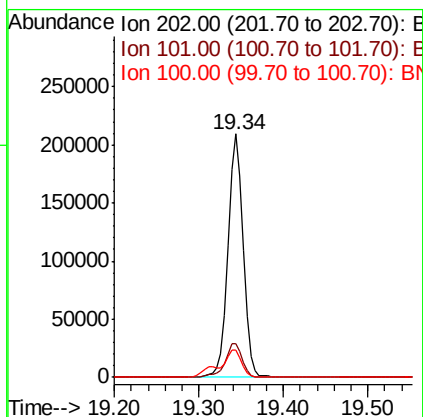
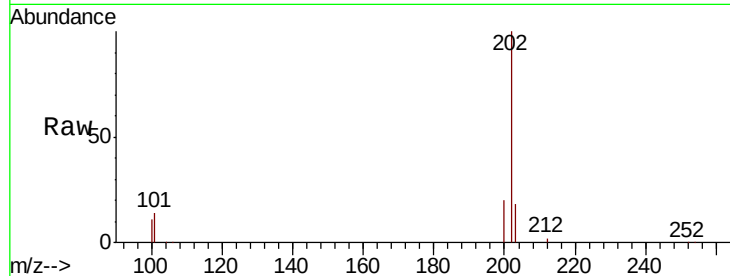




#17
Pvrene
Concen: 5.703 ng/ul
RT: 19.34 min Scan# 4204
Delta R.T. -0.00 min
Lab File: BN009060.D
Acq: 20 Dec 2019 09:44

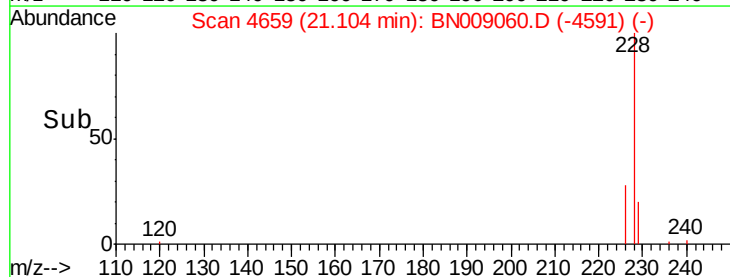
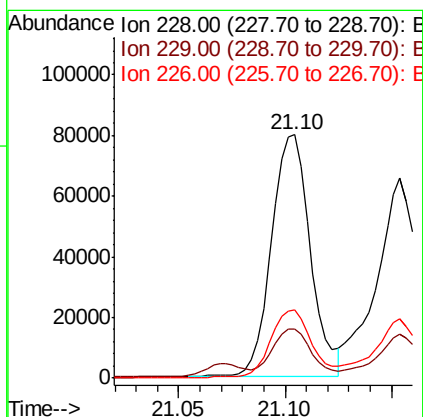
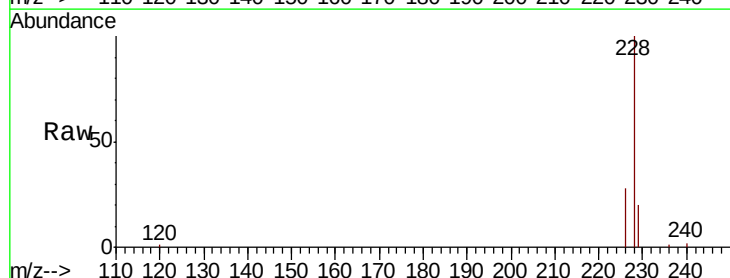
Instrument :
BNA_N
ClientSampleId :

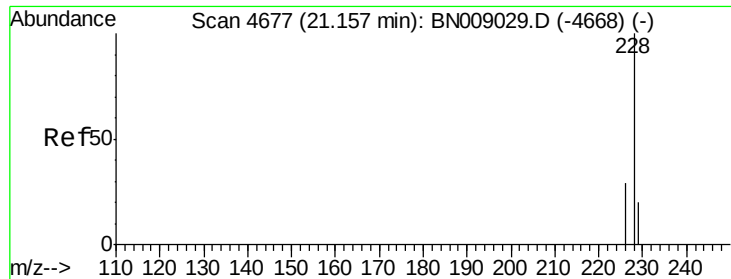
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.8	10.9	16.3
100	11.1	9.0	13.6



#18
Benzo(a)anthracene
Concen: 2.496 ng/ul
RT: 21.10 min Scan# 4659
Delta R.T. -0.00 min
Lab File: BN009060.D
Acq: 20 Dec 2019 09:44

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.5	23.3
226	27.8	21.7	32.5





#19

Chrysene

Concen: 2.200 ng/ul

RT: 21.15 min Scan# 4676

Delta R.T. -0.00 min

Lab File: BN009060.D

Acq: 20 Dec 2019 09:44

Instrument :

BNA_N

ClientSampleId :

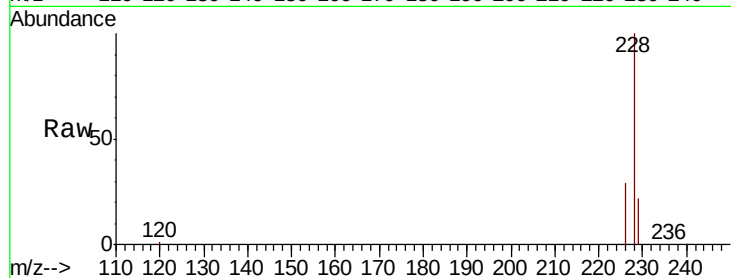
Tot Ion:228 Resp: 89856

Ion Ratio Lower Upper

228 100

226 29.4 23.7 35.5

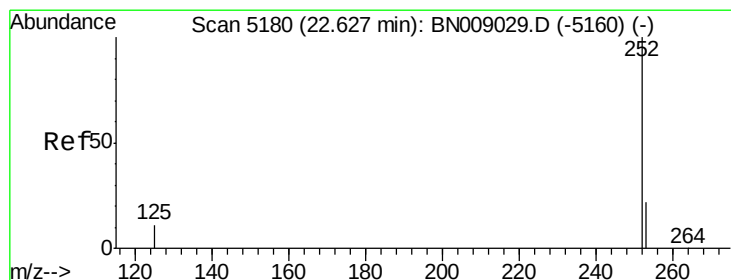
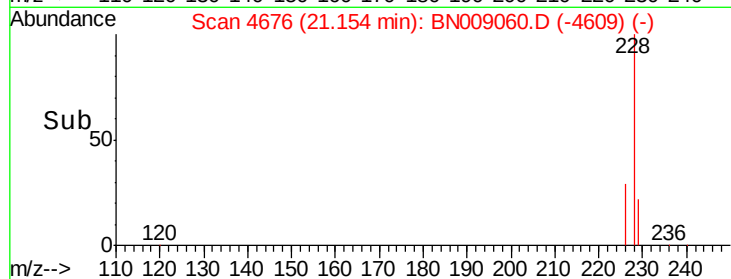
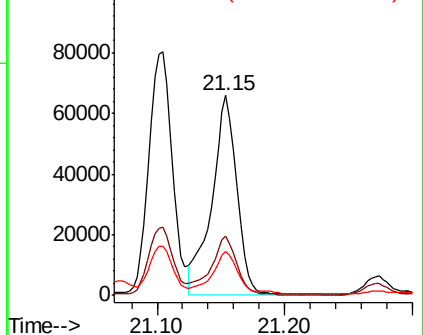
229 22.2 15.4 23.0



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: 3.670 ng/ul

RT: 22.63 min Scan# 5180

Delta R.T. -0.00 min

Lab File: BN009060.D

Acq: 20 Dec 2019 09:44

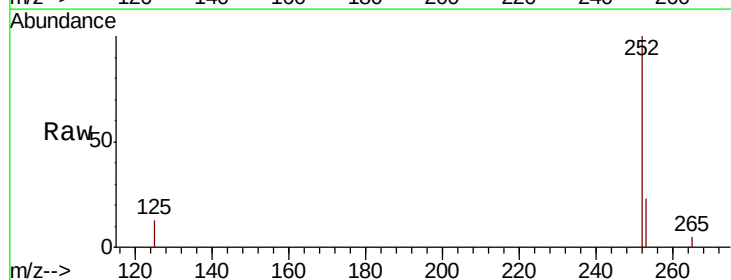
Tgt Ion:252 Resp: 138218

Ion Ratio Lower Upper

252 100

253 23.4 0.0 48.2

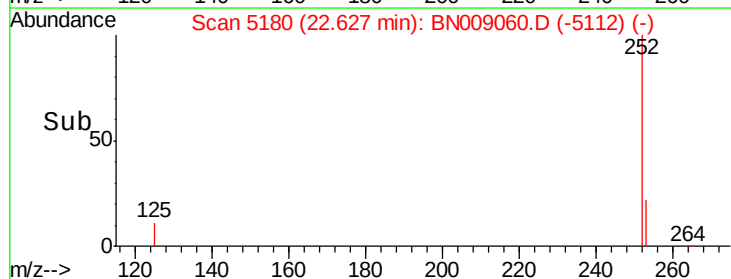
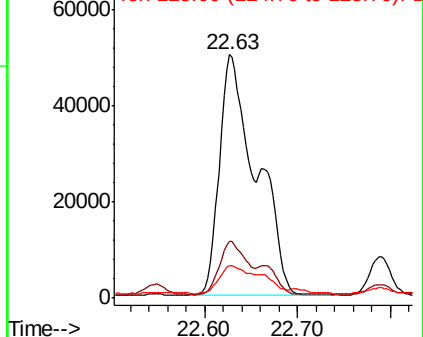
125 13.3 0.0 30.0

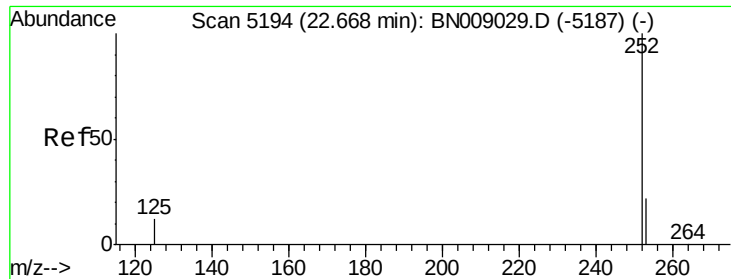


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 3.640 ng/ul

RT: 22.63 min Scan# 5180

Delta R.T. -0.04 min

Lab File: BN009060.D

Acq: 20 Dec 2019 09:44

Instrument :

BNA_N

ClientSampleId :

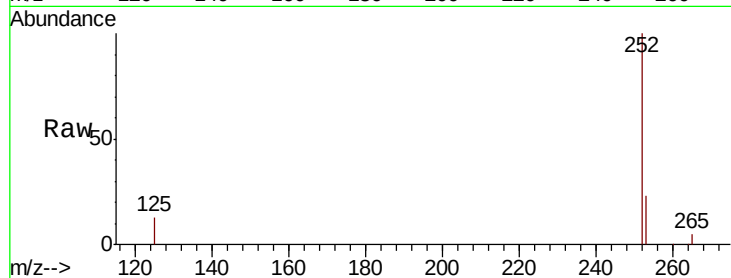
Tot Ion:252 Resp: 138218

Ion Ratio Lower Upper

252 100

253 23.4 19.4 29.0

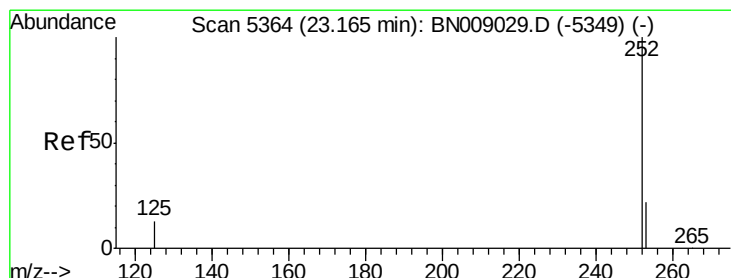
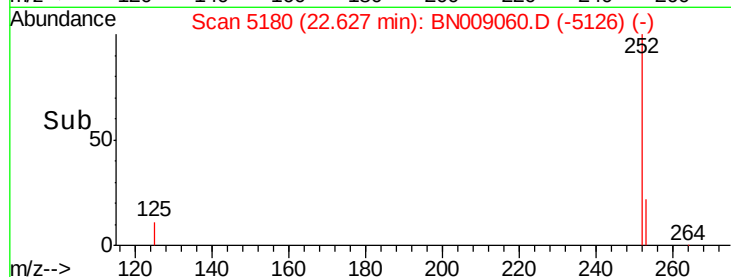
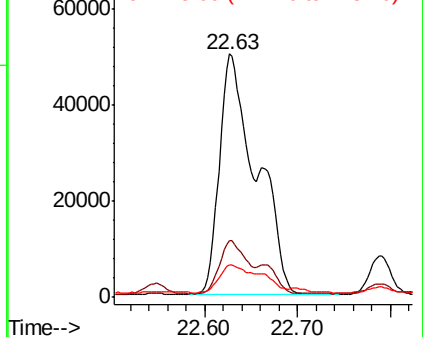
125 13.3 12.4 18.6



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: 2.120 ng/ul

RT: 23.16 min Scan# 5364

Delta R.T. -0.00 min

Lab File: BN009060.D

Acq: 20 Dec 2019 09:44

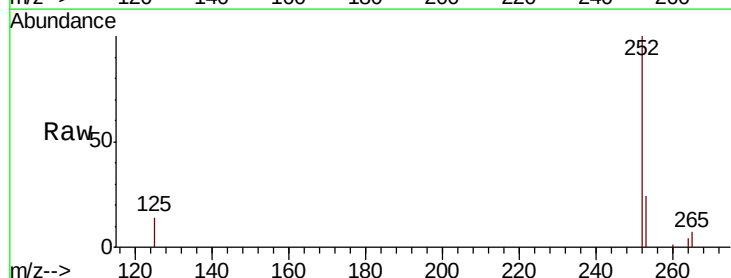
Tgt Ion:252 Resp: 69950

Ion Ratio Lower Upper

252 100

253 23.8 20.2 30.4

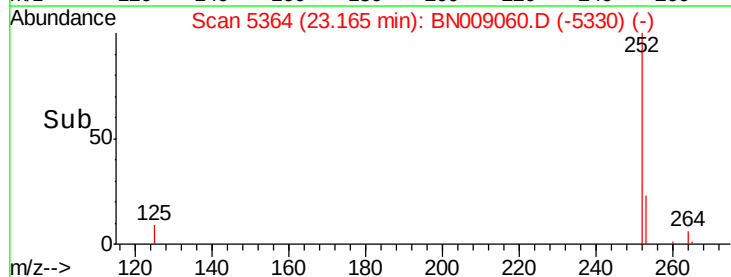
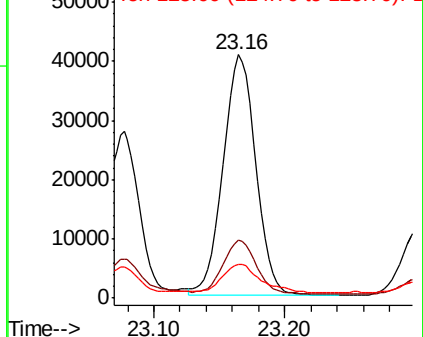
125 14.1 13.2 19.8

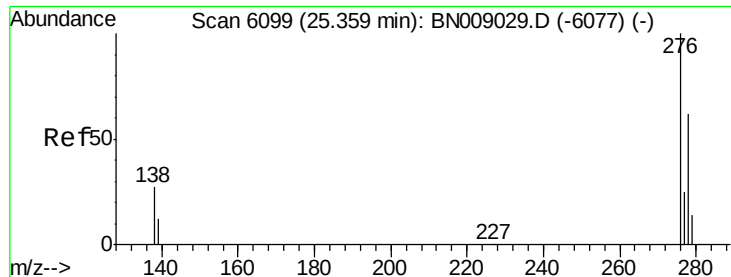


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

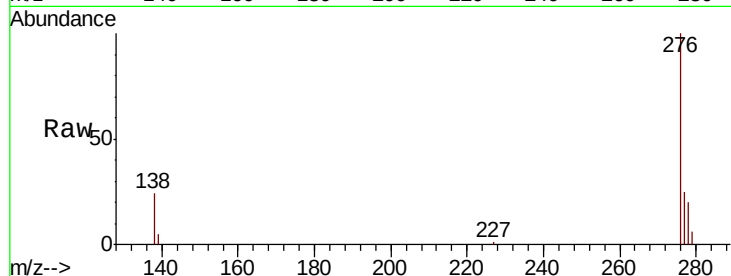




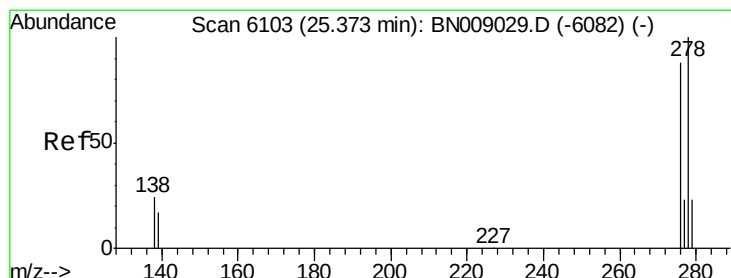
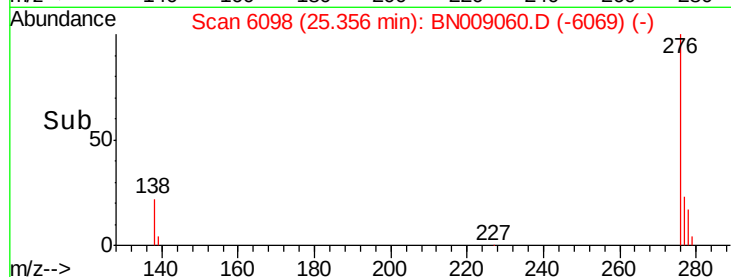
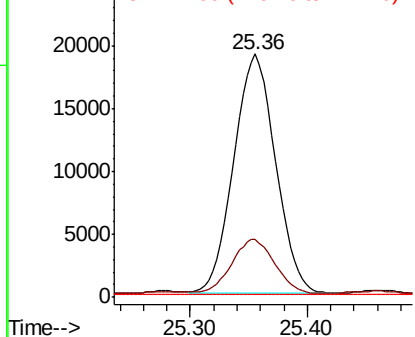
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.314 ng/ul
 RT: 25.36 min Scan# 6098
 Delta R.T. -0.00 min
 Lab File: BN009060.D
 Acq: 20 Dec 2019 09:44

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 47243
 Ion Ratio Lower Upper
 276 100
 138 23.0 22.4 33.6
 227 0.1 0.2 0.4#

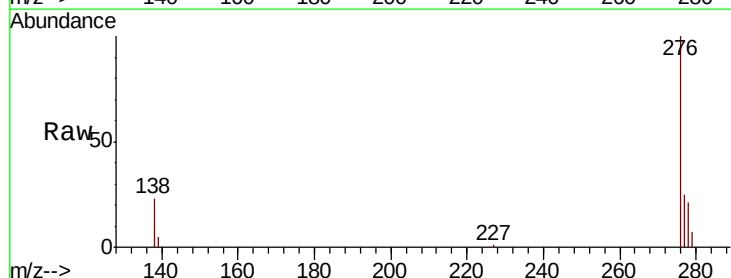


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 227.00 (226.70 to 227.70): E

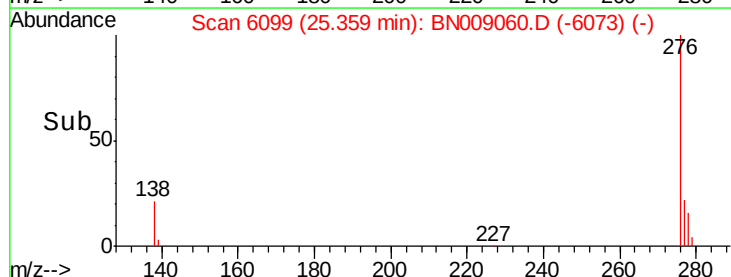
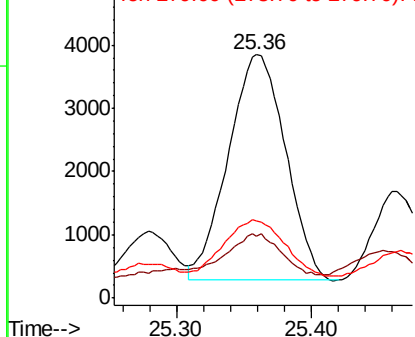


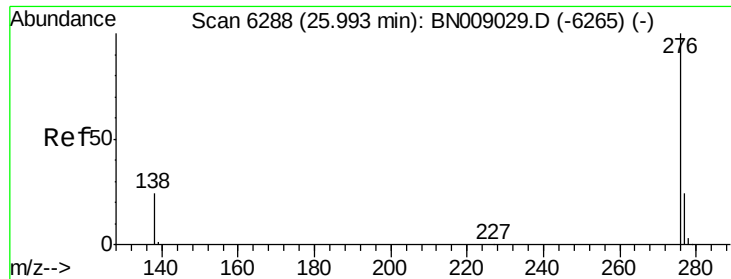
#25
 Dibenzo(a,h)anthracene
 Concen: 0.369 ng/ul
 RT: 25.36 min Scan# 6099
 Delta R.T. -0.01 min
 Lab File: BN009060.D
 Acq: 20 Dec 2019 09:44

Tgt Ion:278 Resp: 10562
 Ion Ratio Lower Upper
 278 100
 139 25.6 16.2 24.2#
 279 31.7 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: 1.490 ng/ul

RT: 25.99 min Scan# 6288

Delta R.T. -0.00 min

Lab File: BN009060.D

Acq: 20 Dec 2019 09:44

Instrument :

BNA_N

ClientSampleId :

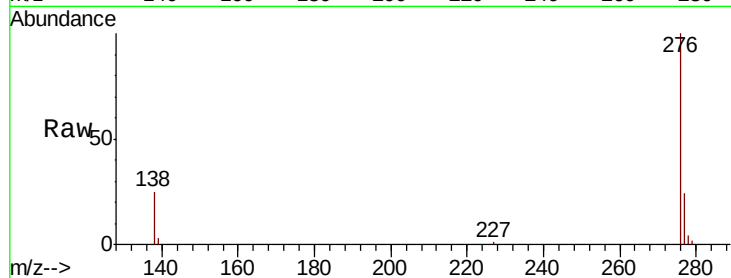
Tot Ion:276 Resp: 45102

Ion Ratio Lower Upper

276 100

138 24.7 20.6 30.8

277 24.3 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

