

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112019\
 Data File : BN008677.D
 Acq On : 21 Nov 2019 01:07
 Operator : JU
 Sample : K5851-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Nov 21 02:44:15 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 : Thu Nov 21 00:43:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	3968	0.40	ng/ul	0.00
2) Naphthalene-d8	10.38	136	15169	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	8722	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.98	188	17445	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	13439	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	13556	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	4448	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	9503	0.18	ng/ul	0.00

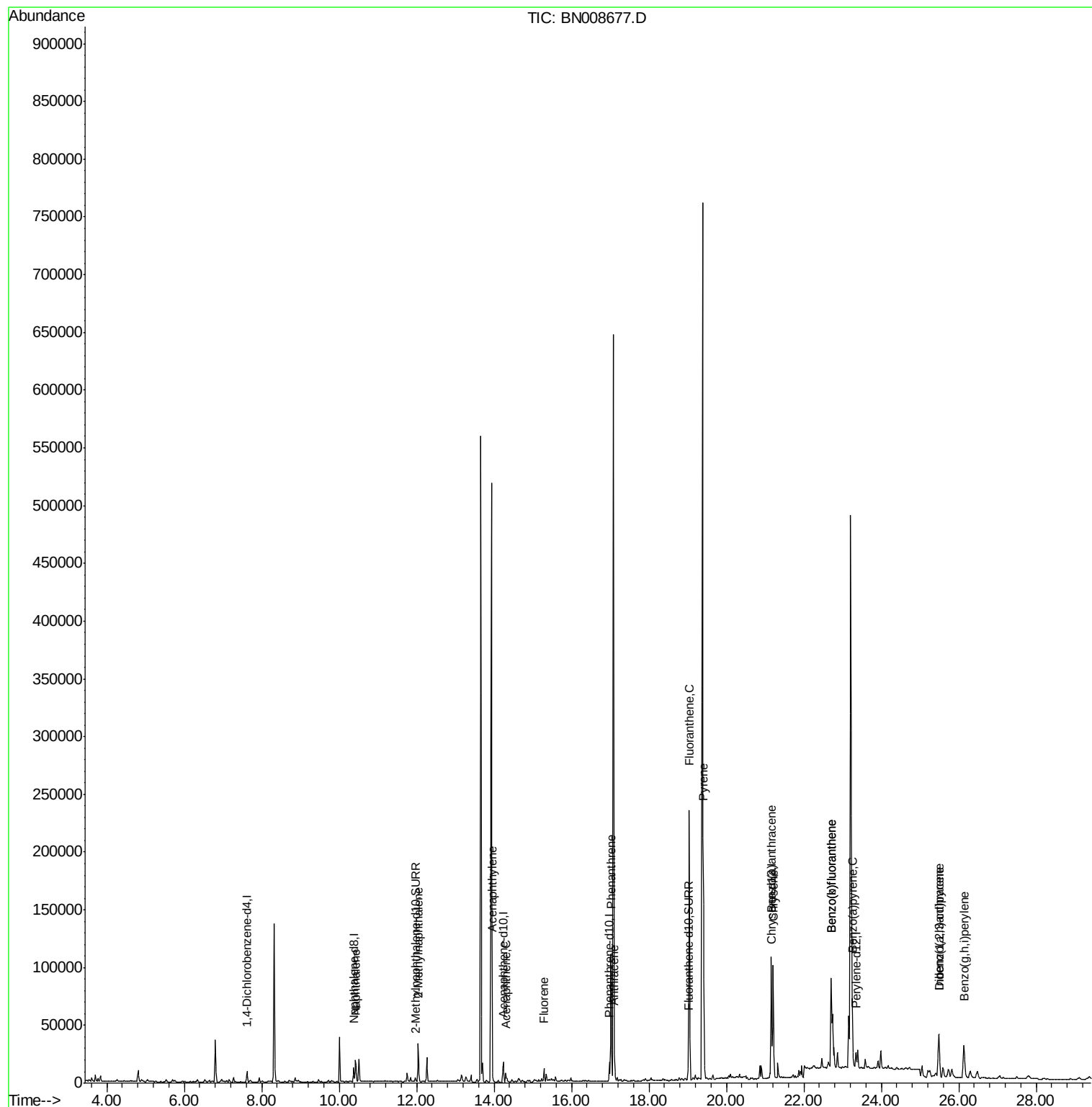
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	24349	0.532	ng/ul	99
5) 2-Methylnaphthalene	12.04	142	23009	0.721	ng/ul	100
7) Acenaphthylene	13.95	152	5607	0.116	ng/ul#	92
8) Acenaphthene	14.30	153	4634	0.129	ng/ul	99
9) Fluorene	15.29	166	6304	0.150	ng/ul#	92
12) Phenanthrene	17.02	178	113874	1.936	ng/ul	98
13) Anthracene	17.11	178	20888	0.376	ng/ul	99
15) Fluoranthene	19.04	202	202921	2.807	ng/ul	93
17) Pyrene	19.41	202	164861	3.058	ng/ul	99
18) Benzo(a)anthracene	21.16	228	84753	1.568	ng/ul	97
19) Chrysene	21.21	228	93685	1.765	ng/ul	97
21) Benzo(b)fluoranthene	22.70	252	159779	2.858	ng/ul	93
22) Benzo(k)fluoranthene	22.70	252	159779	2.882	ng/ul	96
23) Benzo(a)pyrene	23.25	252	75105	1.431	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.49	276	55370	0.902	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.49	278	13703	0.276	ng/ul#	63
26) Benzo(a,h,i)perylene	26.13	276	55470	1.081	ng/ul	95

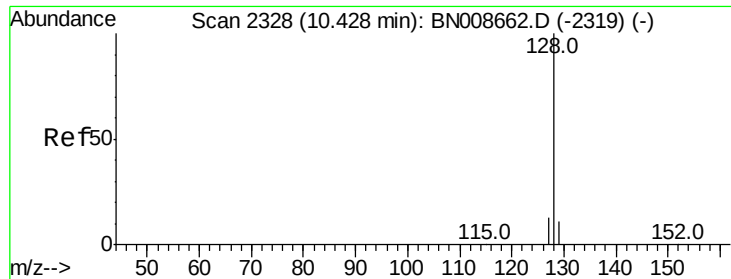
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.532 ng/ul

RT: 10.42 min Scan# 2327

Delta R.T. -0.01 min

Lab File: BN008677.D

Acq: 21 Nov 2019 01:07

Instrument :

BNA_N

ClientSampleId :

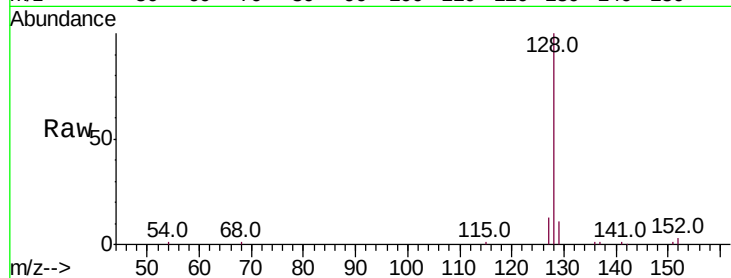
Tot Ion:128 Resp: 24349

Ion Ratio Lower Upper

128 100

129 11.4 9.7 14.5

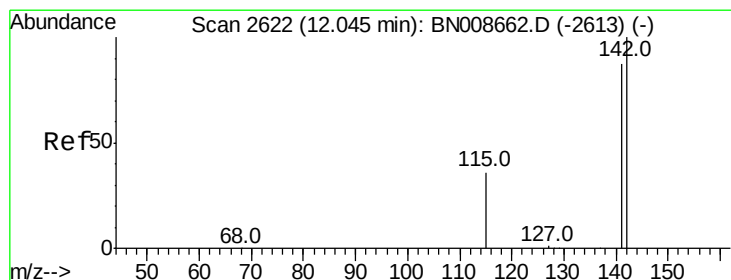
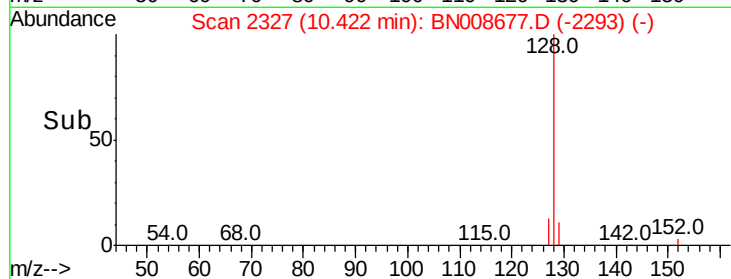
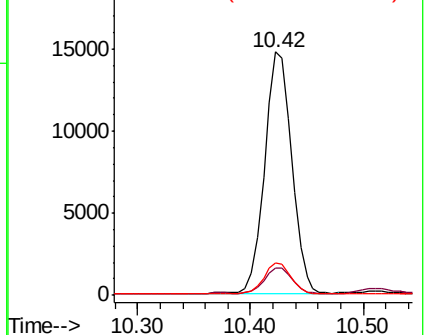
127 13.4 10.8 16.2



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: 0.721 ng/ul

RT: 12.04 min Scan# 2622

Delta R.T. -0.01 min

Lab File: BN008677.D

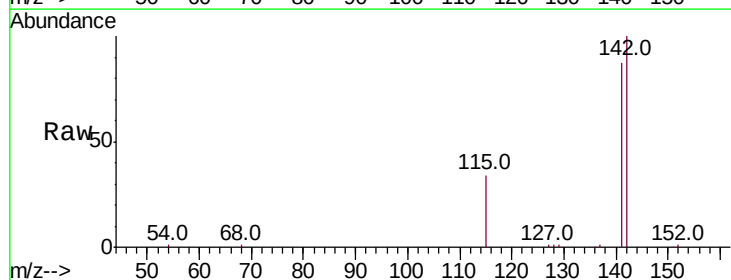
Acq: 21 Nov 2019 01:07

Tgt Ion:142 Resp: 23009

Ion Ratio Lower Upper

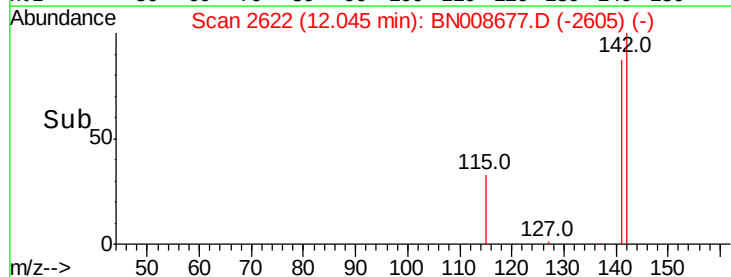
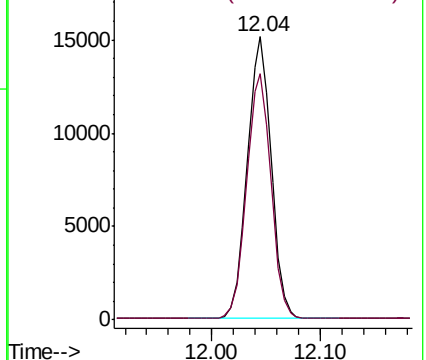
142 100

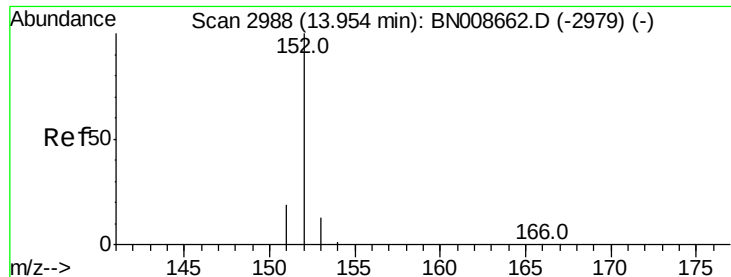
141 88.1 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.116 ng/ul

RT: 13.95 min Scan# 2988

Delta R.T. -0.00 min

Lab File: BN008677.D

Acq: 21 Nov 2019 01:07

Instrument :

BNA_N

ClientSampleId :

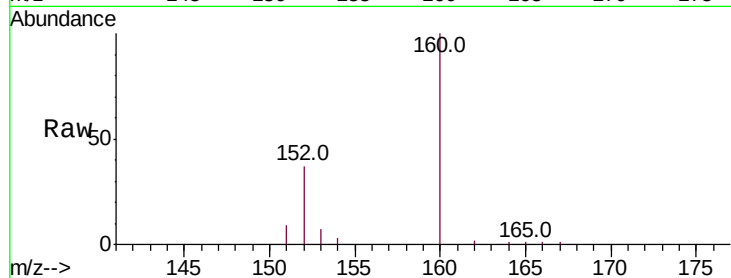
Tot Ion:152 Resp: 5607

Ion Ratio Lower Upper

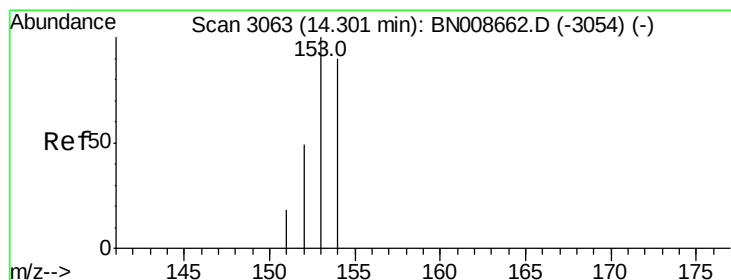
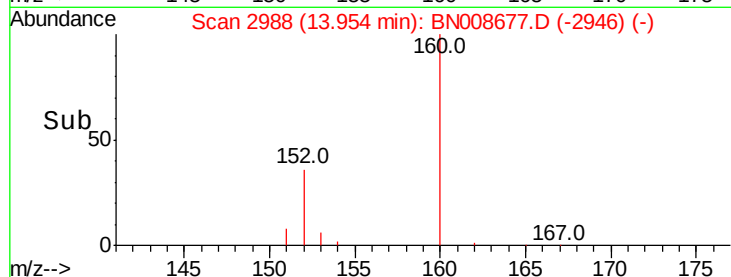
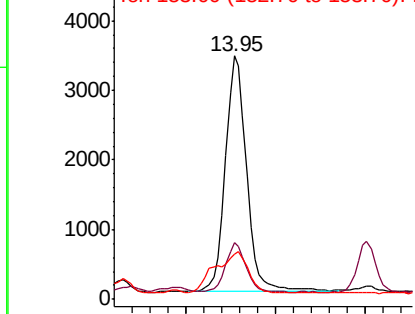
152 100

151 23.2 16.6 24.8

153 18.5 11.1 16.7#



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: 0.129 ng/ul

RT: 14.30 min Scan# 3063

Delta R.T. -0.00 min

Lab File: BN008677.D

Acq: 21 Nov 2019 01:07

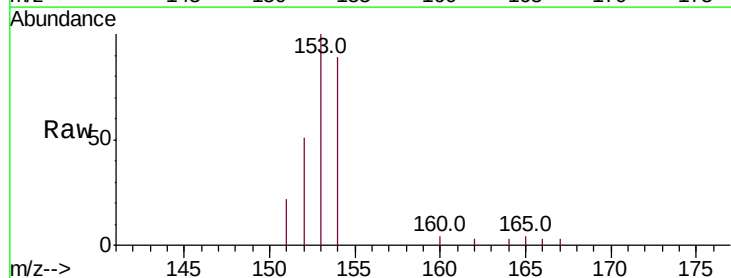
Tgt Ion:153 Resp: 4634

Ion Ratio Lower Upper

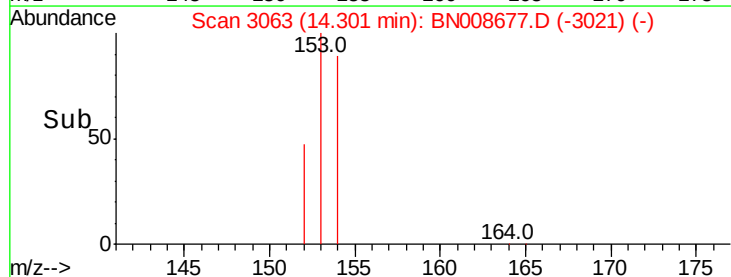
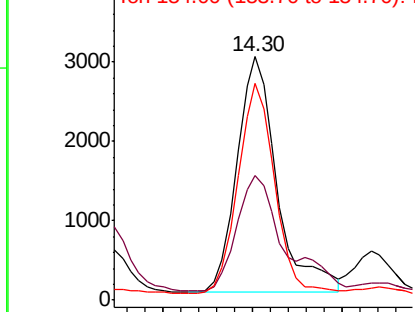
153 100

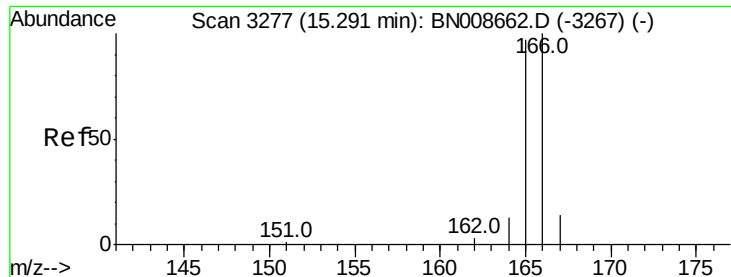
152 51.3 39.6 59.4

154 88.8 70.6 106.0



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: 0.150 ng/ul

RT: 15.29 min Scan# 3277

Delta R.T. -0.00 min

Lab File: BN008677.D

Acq: 21 Nov 2019 01:07

Instrument :

BNA_N

ClientSampleId :

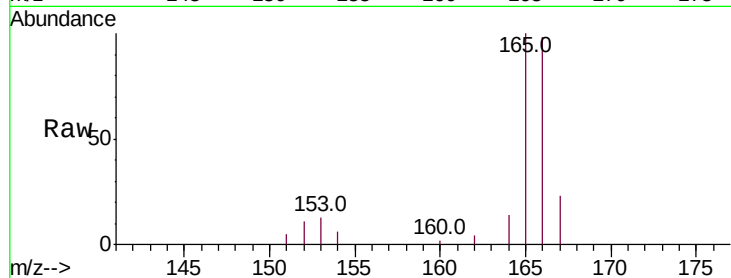
Tot Ion:166 Resp: 6304

Ion Ratio Lower Upper

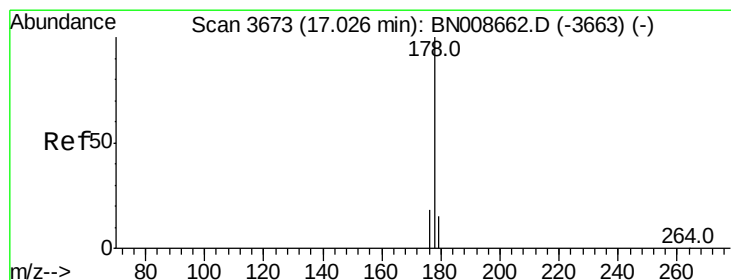
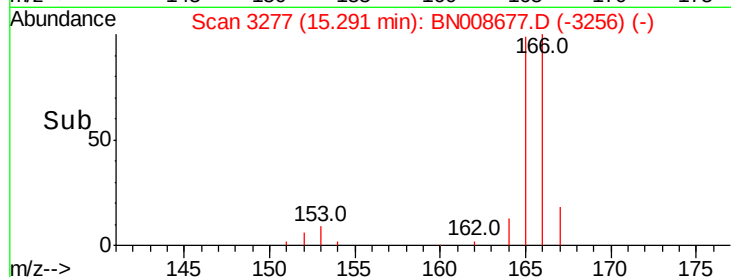
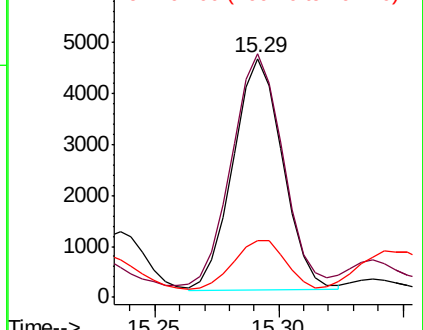
166 100

165 102.1 77.4 116.0

167 23.7 11.4 17.0#



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: 1.936 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. -0.01 min

Lab File: BN008677.D

Acq: 21 Nov 2019 01:07

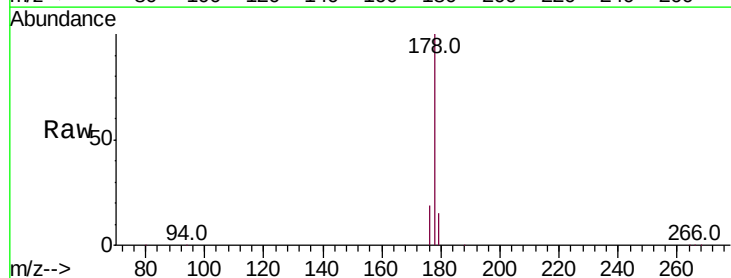
Tgt Ion:178 Resp: 113874

Ion Ratio Lower Upper

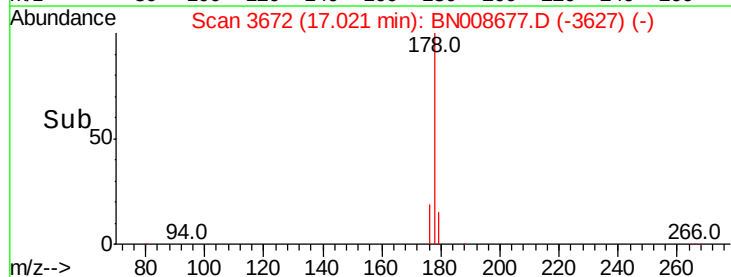
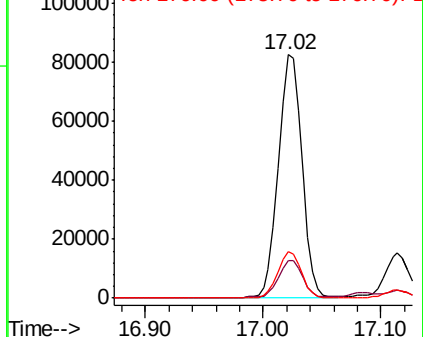
178 100

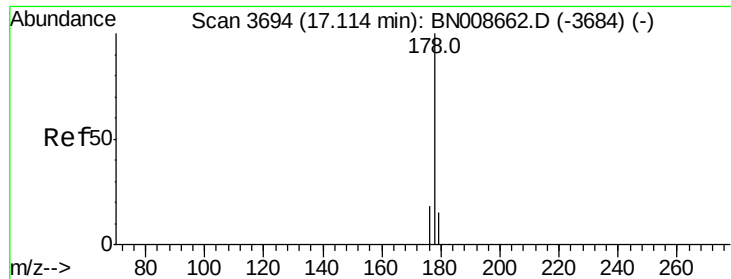
179 15.5 12.8 19.2

176 19.0 16.0 24.0



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

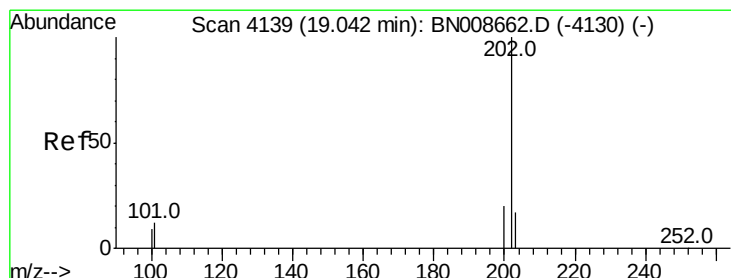
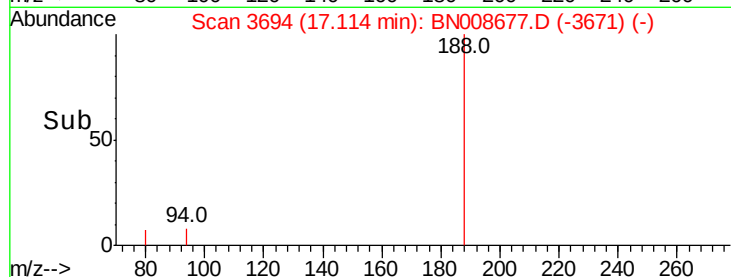
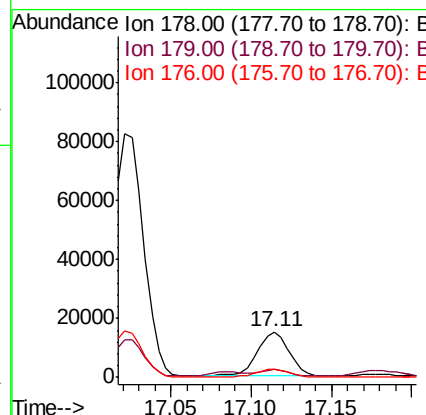
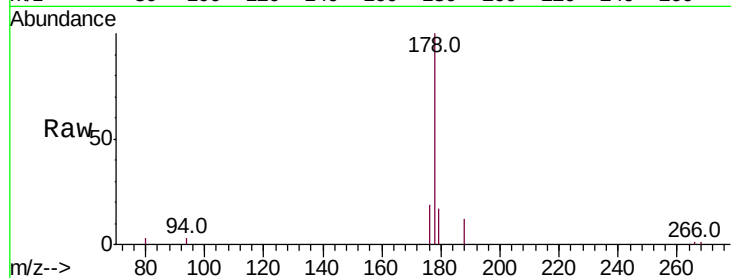




#13
 Anthracene
 Concen: 0.376 ng/ul
 RT: 17.11 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: BN008677.D
 Acq: 21 Nov 2019 01:07

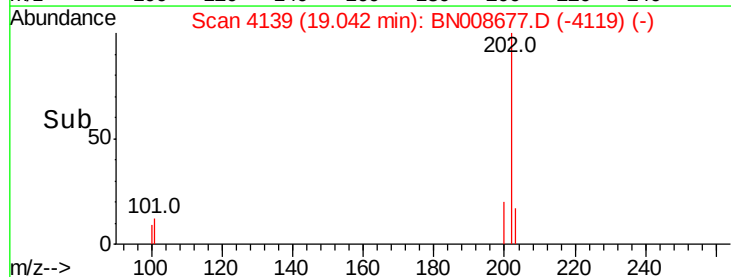
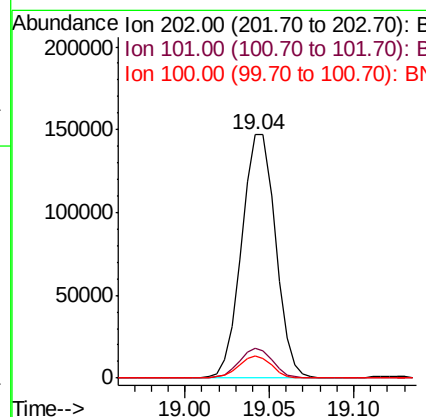
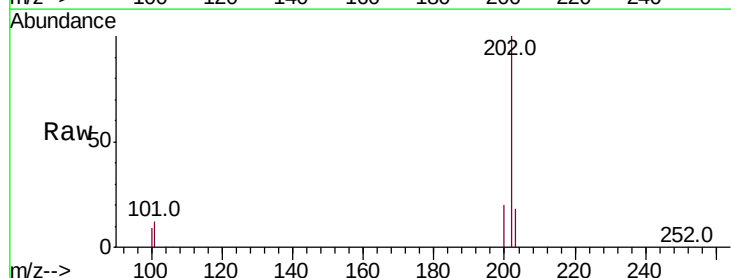
Instrument :
 BNA_N
 ClientSampleId :

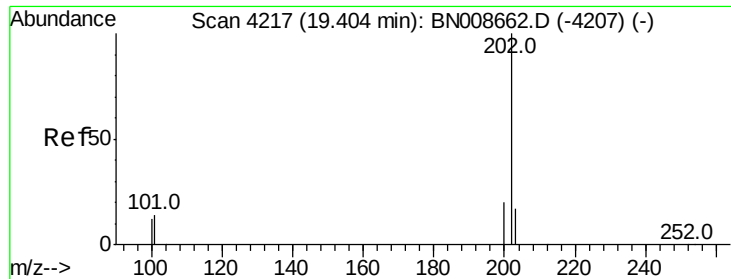
Tot Ion:178 Resp: 20888
 Ion Ratio Lower Upper
 178 100
 179 17.1 13.0 19.4
 176 18.8 15.3 22.9



#15
 Fluoranthene
 Concen: 2.807 ng/ul
 RT: 19.04 min Scan# 4139
 Delta R.T. -0.01 min
 Lab File: BN008677.D
 Acq: 21 Nov 2019 01:07

Tgt Ion:202 Resp: 202921
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 29.6
 100 9.3 0.0 27.0

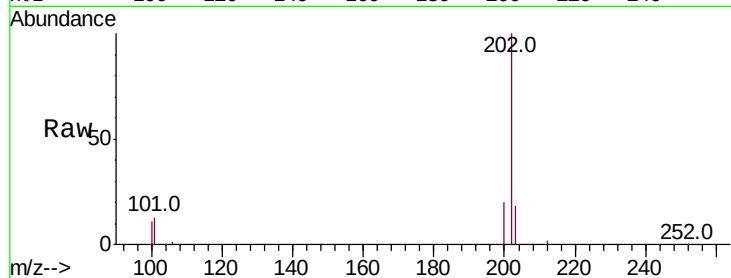




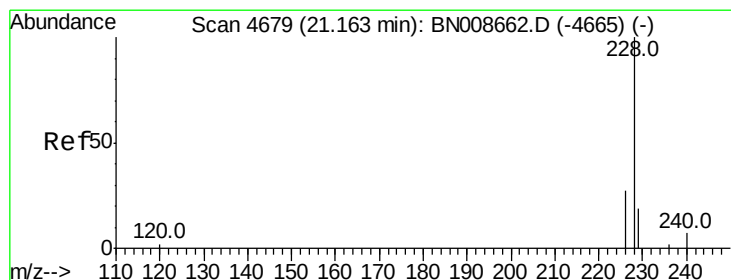
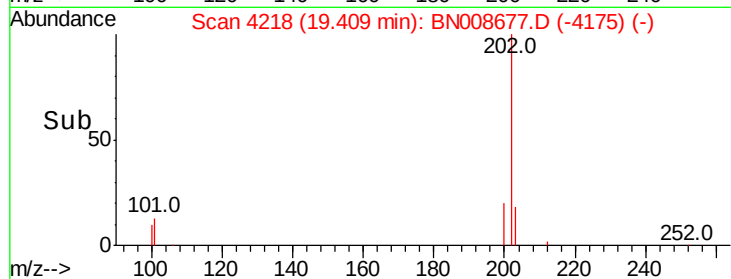
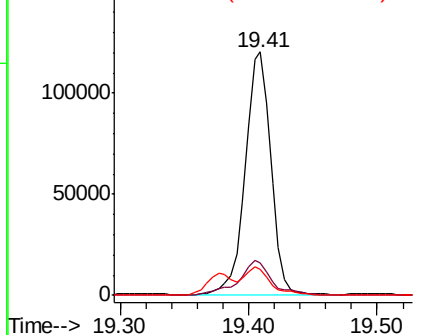
#17
Pvrene
Concen: 3.058 ng/ul
RT: 19.41 min Scan# 4218
Delta R.T. 0.00 min
Lab File: BN008677.D
Acq: 21 Nov 2019 01:07

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 164861
Ion Ratio Lower Upper
202 100
101 13.2 10.2 15.2
100 10.5 8.2 12.2

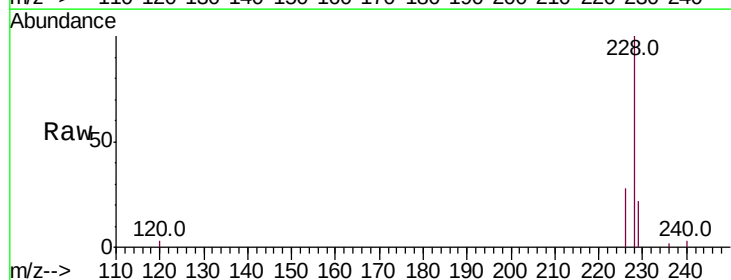


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

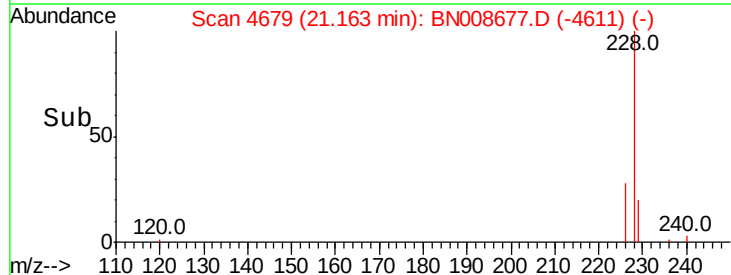
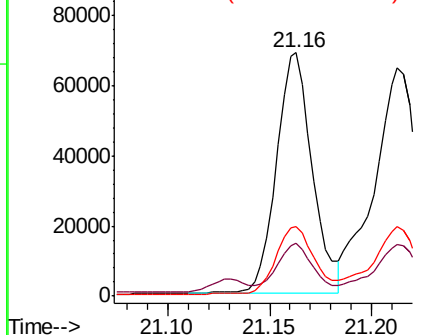


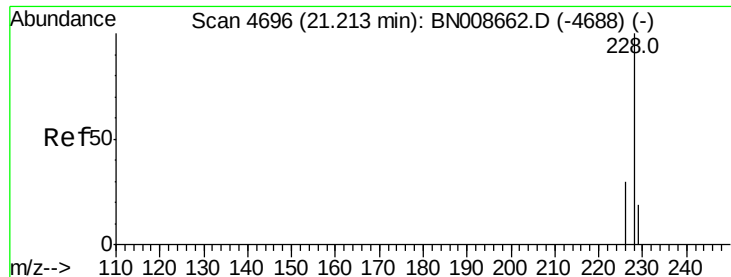
#18
Benzo(a)anthracene
Concen: 1.568 ng/ul
RT: 21.16 min Scan# 4679
Delta R.T. -0.00 min
Lab File: BN008677.D
Acq: 21 Nov 2019 01:07

Tgt Ion:228 Resp: 84753
Ion Ratio Lower Upper
228 100
229 21.6 15.8 23.6
226 28.5 21.6 32.4



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: 1.765 ng/ul

RT: 21.21 min Scan# 4696

Delta R.T. -0.00 min

Lab File: BN008677.D

Acq: 21 Nov 2019 01:07

Instrument :

BNA_N

ClientSampleId :

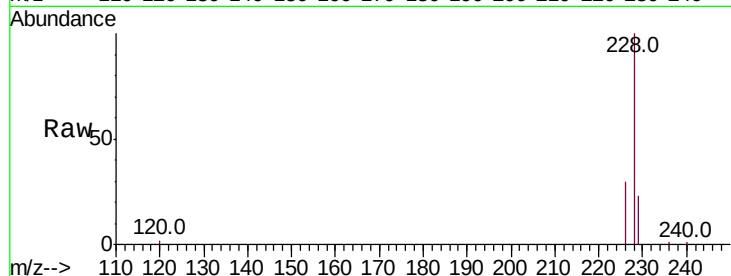
Tot Ion:228 Resp: 93685

Ion Ratio Lower Upper

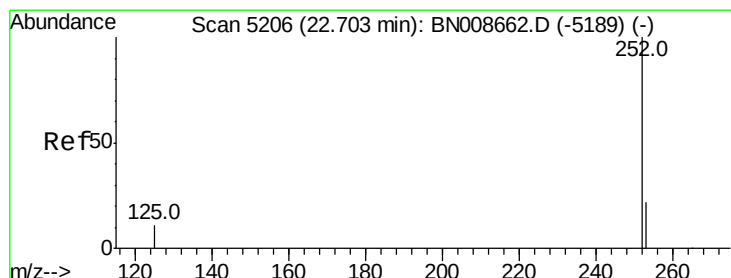
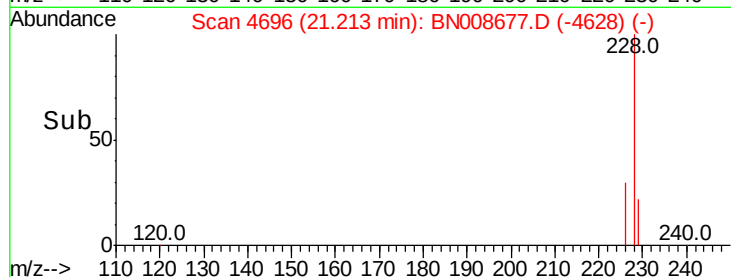
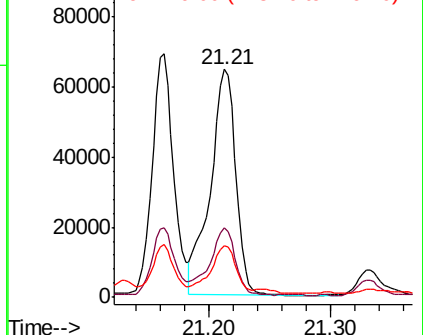
228 100

226 30.4 24.5 36.7

229 22.8 15.5 23.3



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: 2.858 ng/ul

RT: 22.70 min Scan# 5206

Delta R.T. -0.00 min

Lab File: BN008677.D

Acq: 21 Nov 2019 01:07

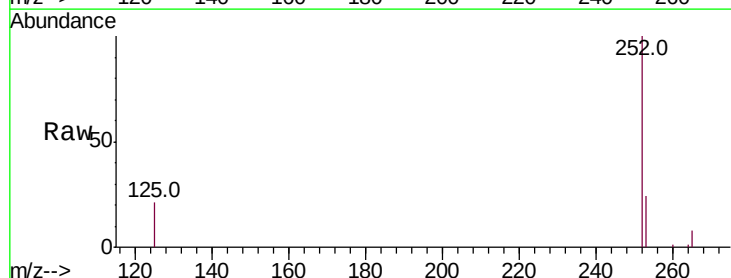
Tgt Ion:252 Resp: 159779

Ion Ratio Lower Upper

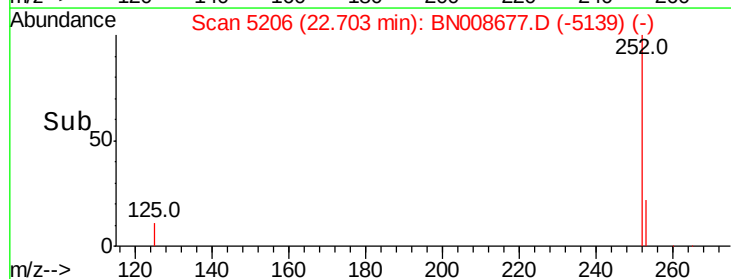
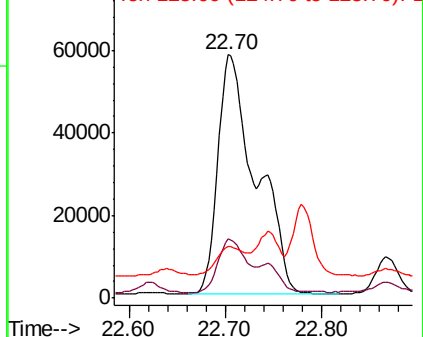
252 100

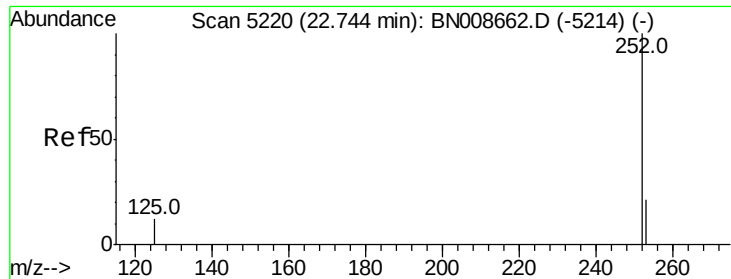
253 24.2 0.0 50.2

125 21.3 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: 2.882 ng/ul

RT: 22.70 min Scan# 5206

Delta R.T. -0.05 min

Lab File: BN008677.D

Acq: 21 Nov 2019 01:07

Instrument :

BNA_N

ClientSampleId :

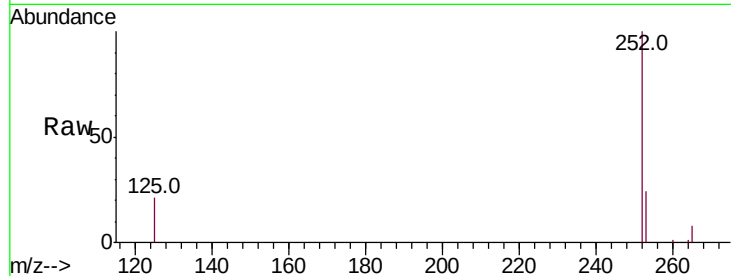
Tot Ion:252 Resp: 159779

Ion Ratio Lower Upper

252 100

253 24.2 20.5 30.7

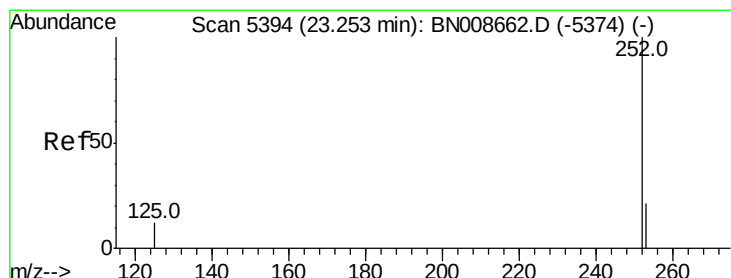
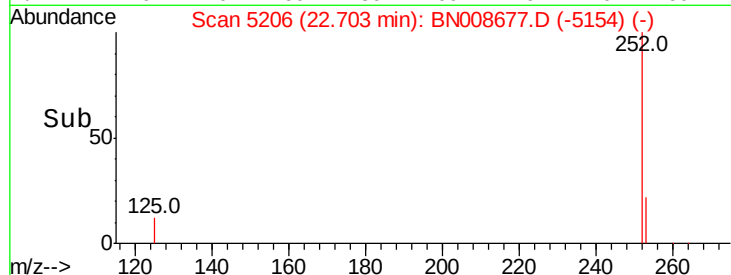
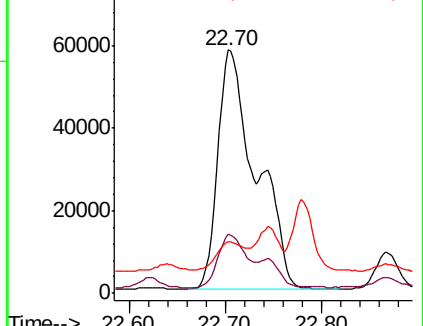
125 21.3 15.0 22.4



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



#23

Benzo(a)pyrene

Concen: 1.431 ng/ul

RT: 23.25 min Scan# 5394

Delta R.T. -0.00 min

Lab File: BN008677.D

Acq: 21 Nov 2019 01:07

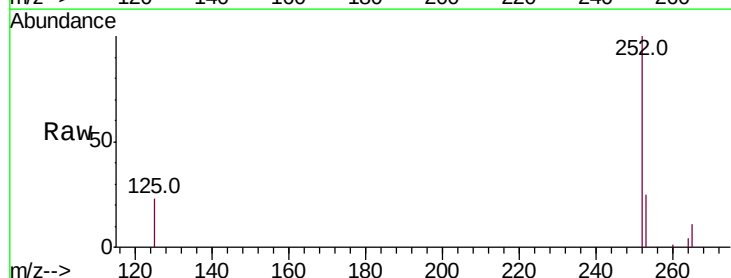
Tgt Ion:252 Resp: 75105

Ion Ratio Lower Upper

252 100

253 24.6 21.4 32.2

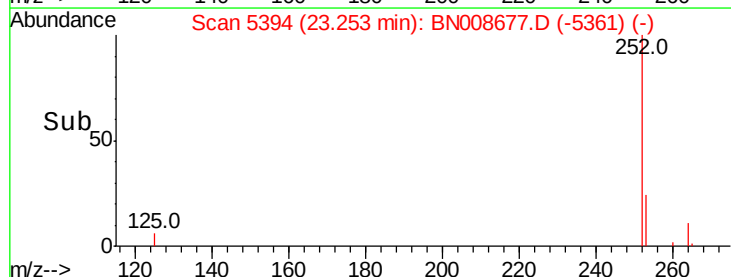
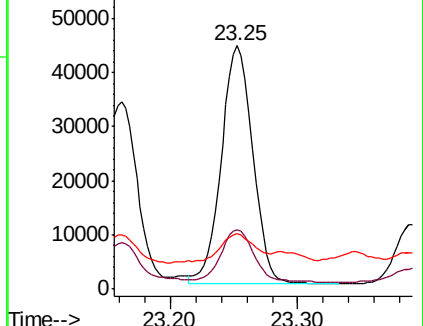
125 23.0 13.8 20.8#

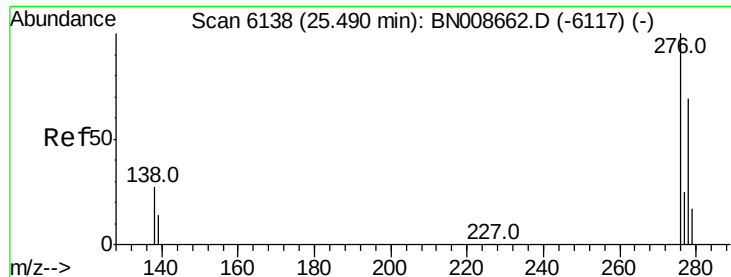


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



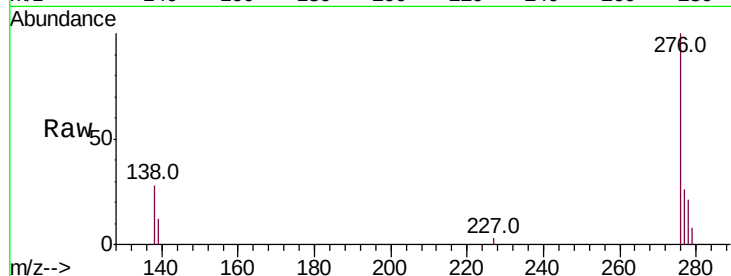


#24

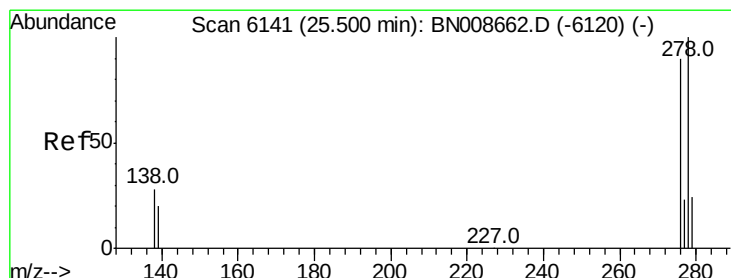
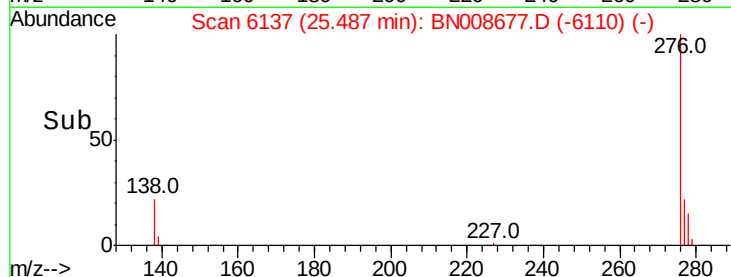
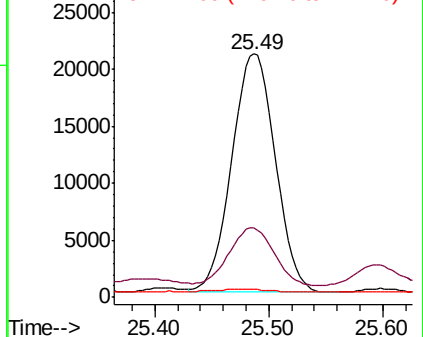
Indeno(1,2,3-cd)pyrene
Concen: 0.902 ng/ul
RT: 25.49 min Scan# 6137
Delta R.T. -0.01 min
Lab File: BN008677.D
Acq: 21 Nov 2019 01:07

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 55370
Ion Ratio Lower Upper
276 100
138 24.8 21.7 32.5
227 1.4 0.2 0.2#



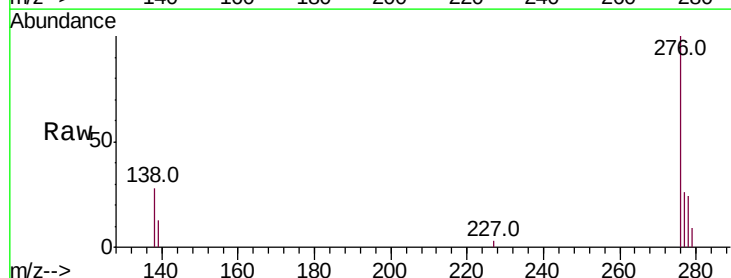
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



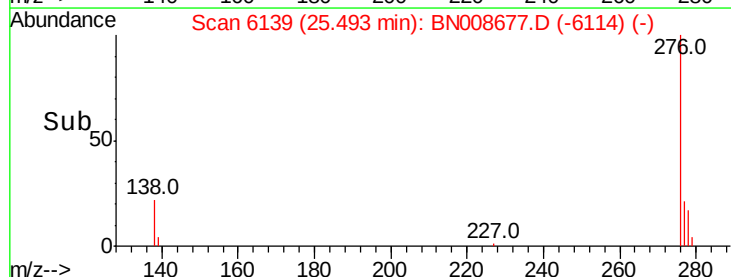
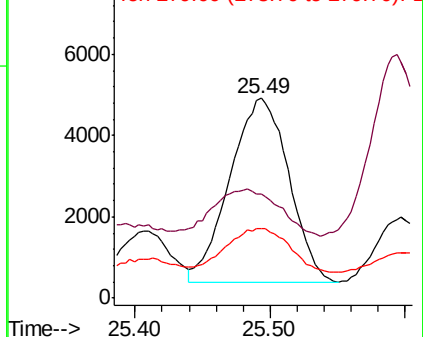
#25

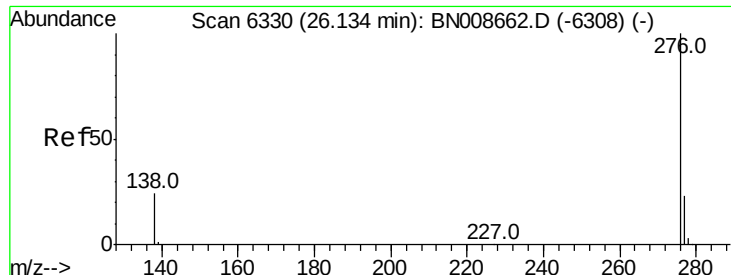
Dibenzo(a,h)anthracene
Concen: 0.276 ng/ul
RT: 25.49 min Scan# 6139
Delta R.T. -0.02 min
Lab File: BN008677.D
Acq: 21 Nov 2019 01:07

Tgt Ion:278 Resp: 13703
Ion Ratio Lower Upper
278 100
139 52.4 18.7 28.1#
279 34.8 20.8 31.2#



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: 1.081 ng/ul

RT: 26.13 min Scan# 6330

Delta R.T. -0.01 min

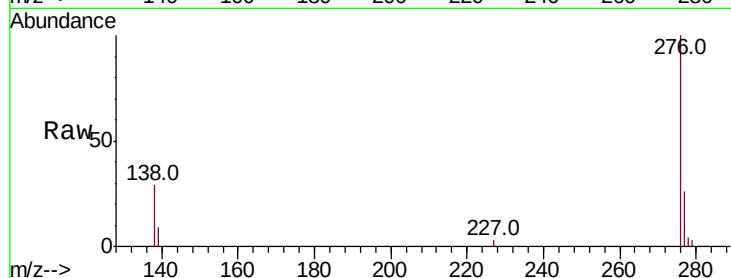
Lab File: BN008677.D

Acq: 21 Nov 2019 01:07

Instrument :

BNA_N

ClientSampleId :



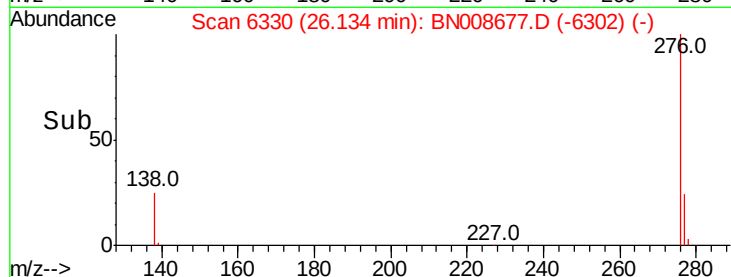
Tot Ion:276 Resp: 55470

Ion Ratio Lower Upper

276 100

138 29.4 20.0 30.0

277 25.8 20.0 30.0



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

