

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112019\
 Data File : BN008666.D
 Acq On : 20 Nov 2019 18:32
 Operator : JU
 Sample : K5784-03DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Nov 21 00:43:05 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 : Wed Nov 20 04:45:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	3652	0.40	ng/ul	0.00
2) Naphthalene-d8	10.38	136	13566	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	7522	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.98	188	15235	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	12539	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	12776	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	877	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	1941	0.04	ng/ul	0.00

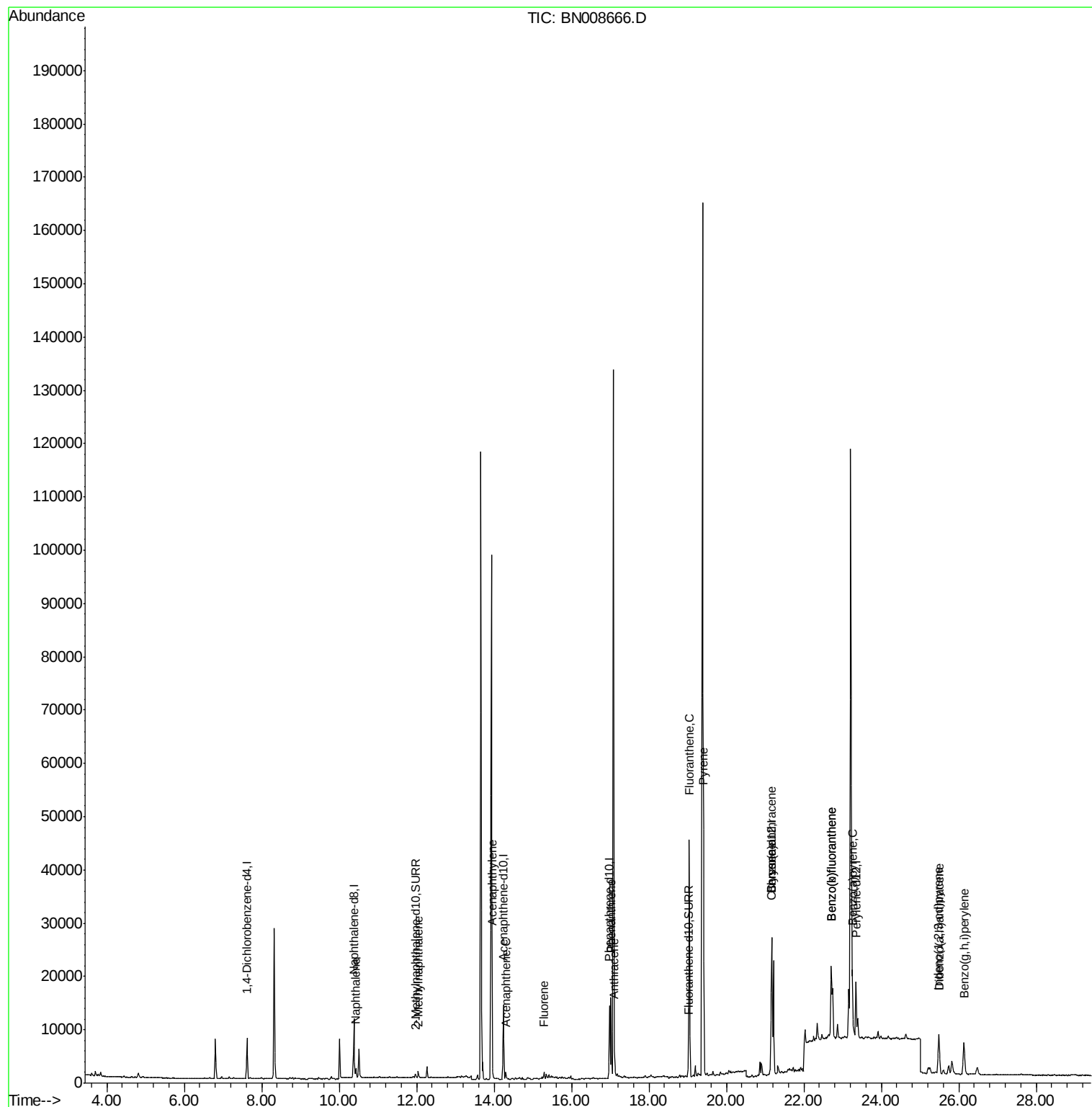
Target Compounds				Ovalue		
3) Naphthalene	10.43	128	2190	0.054	ng/ul#	90
5) 2-Methylnaphthalene	12.04	142	864	0.030	ng/ul	96
7) Acenaphthylene	13.95	152	1541	0.037	ng/ul#	86
8) Acenaphthene	14.30	153	822	0.027	ng/ul	92
9) Fluorene	15.29	166	745	0.021	ng/ul#	86
12) Phenanthrene	17.02	178	16141	0.314	ng/ul	99
13) Anthracene	17.11	178	3565	0.073	ng/ul#	94
15) Fluoranthene	19.04	202	37502	0.594	ng/ul	92
17) Pyrene	19.41	202	38052	0.756	ng/ul	98
18) Benzo(a)anthracene	21.16	228	18602	0.369	ng/ul	94
19) Chrysene	21.16	228	18602	0.376	ng/ul	98
21) Benzo(b)fluoranthene	22.71	252	29692	0.564	ng/ul	83
22) Benzo(k)fluoranthene	22.71	252	29692	0.568	ng/ul#	87
23) Benzo(a)pyrene	23.25	252	16170	0.327	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.49	276	10874	0.188	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.50	278	2642	0.057	ng/ul#	34
26) Benzo(a,h,i)perylene	26.14	276	11309	0.234	ng/ul#	92

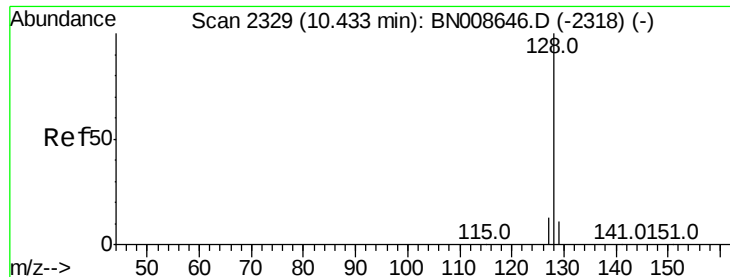
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.054 ng/ul

RT: 10.43 min Scan# 2328

Delta R.T. -0.01 min

Lab File: BN008666.D

Acq: 20 Nov 2019 18:32

Instrument :

BNA_N

ClientSampleId :

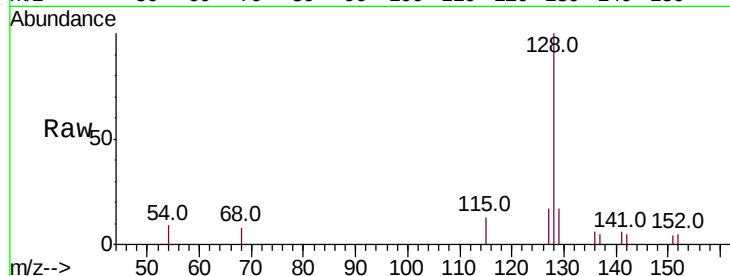
Tot Ion:128 Resp: 2190

Ion Ratio Lower Upper

128 100

129 16.7 9.7 14.5#

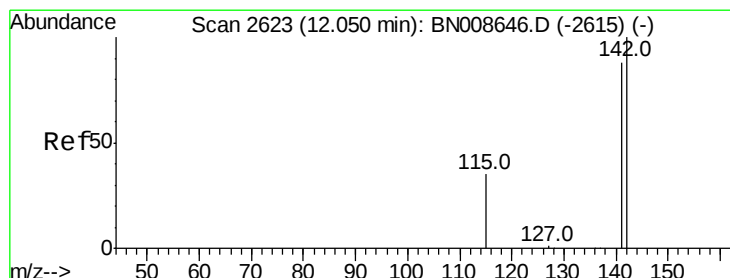
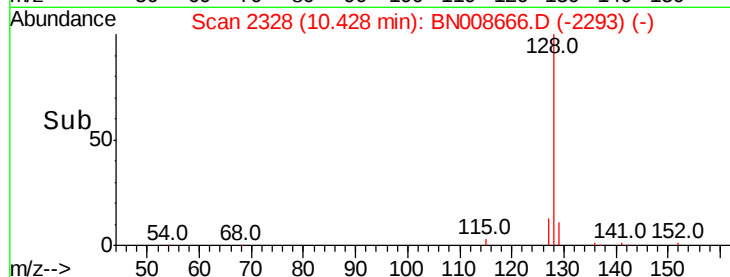
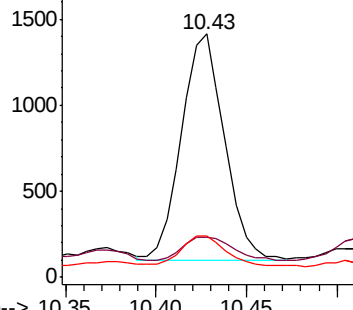
127 16.8 10.8 16.2#



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: 0.030 ng/ul

RT: 12.04 min Scan# 2622

Delta R.T. -0.01 min

Lab File: BN008666.D

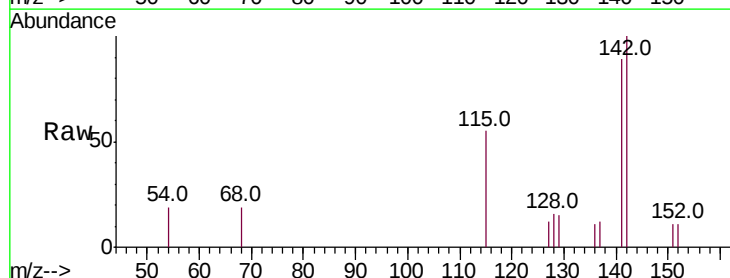
Acq: 20 Nov 2019 18:32

Tgt Ion:142 Resp: 864

Ion Ratio Lower Upper

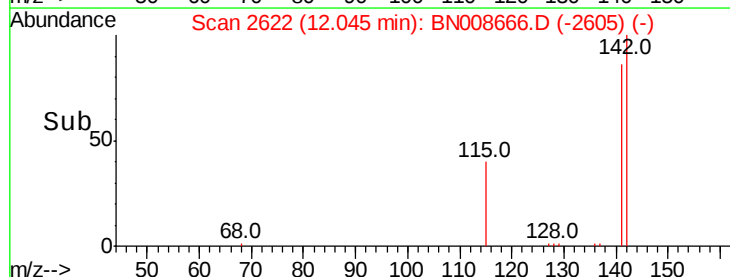
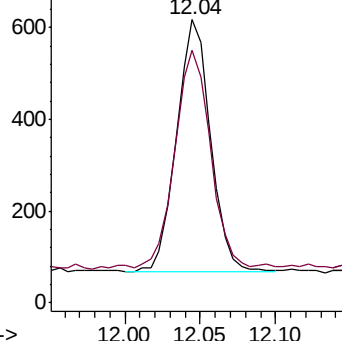
142 100

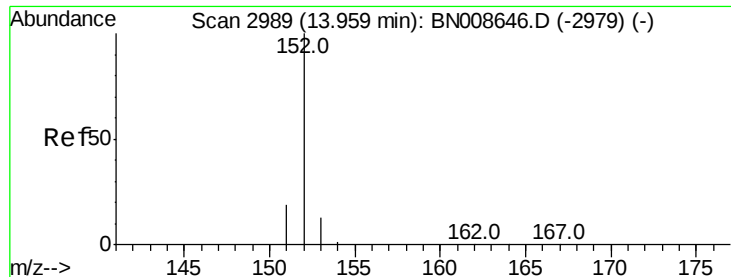
141 92.0 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.037 ng/ul

RT: 13.95 min Scan# 2988

Delta R.T. -0.00 min

Lab File: BN008666.D

Acq: 20 Nov 2019 18:32

Instrument :

BNA_N

ClientSampleId :

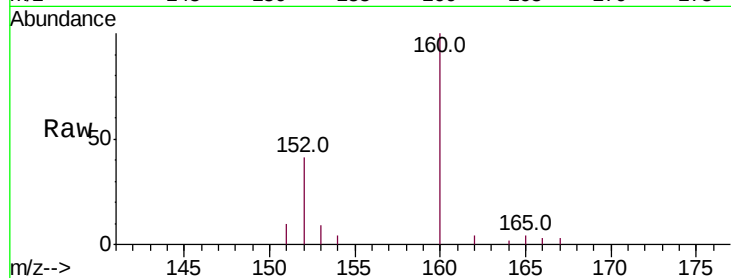
Tot Ion:152 Resp: 1541

Ion Ratio Lower Upper

152 100

151 25.5 16.6 24.8#

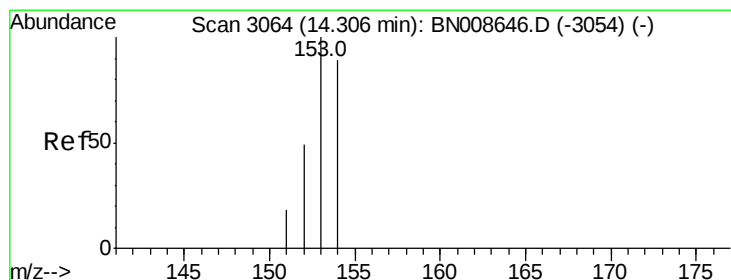
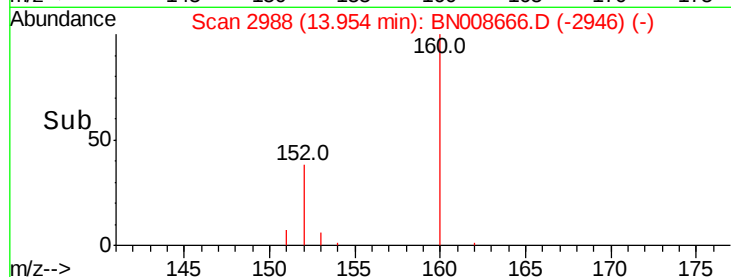
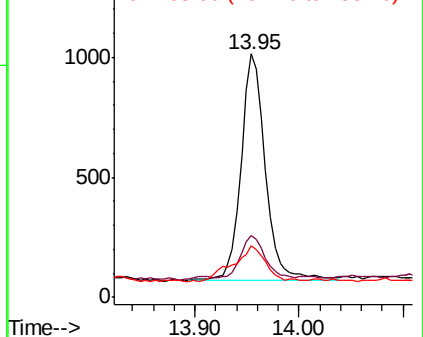
153 21.4 11.1 16.7#



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: 0.027 ng/ul

RT: 14.30 min Scan# 3063

Delta R.T. -0.00 min

Lab File: BN008666.D

Acq: 20 Nov 2019 18:32

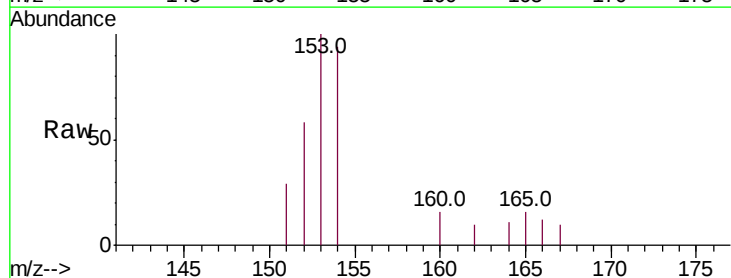
Tgt Ion:153 Resp: 822

Ion Ratio Lower Upper

153 100

152 57.6 39.6 59.4

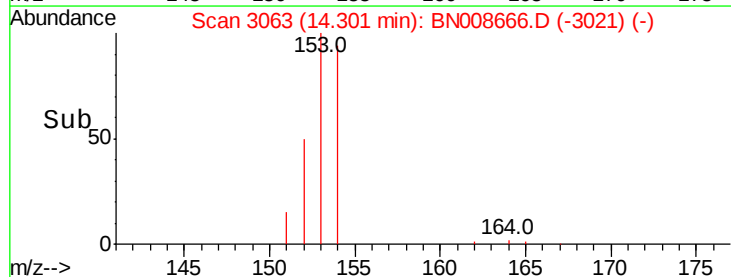
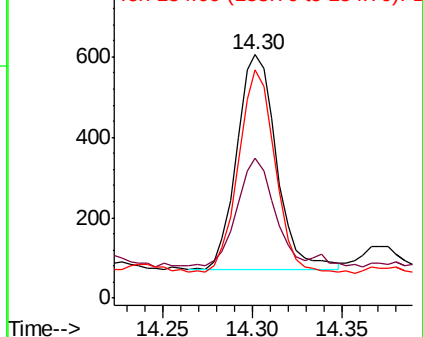
154 93.9 70.6 106.0

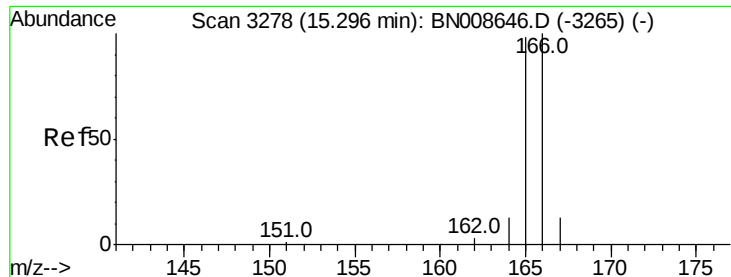


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.021 ng/ul

RT: 15.29 min Scan# 3277

Delta R.T. -0.00 min

Lab File: BN008666.D

Acq: 20 Nov 2019 18:32

Instrument :

BNA_N

ClientSampleId :

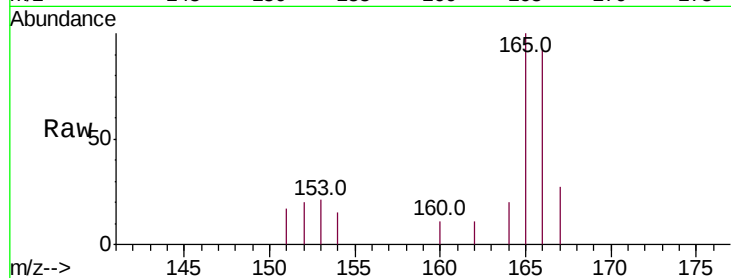
Tot Ion:166 Resp: 745

Ion Ratio Lower Upper

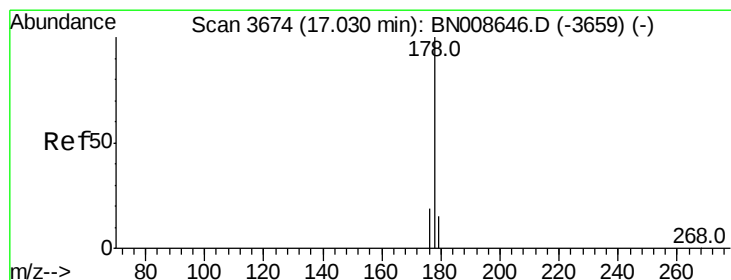
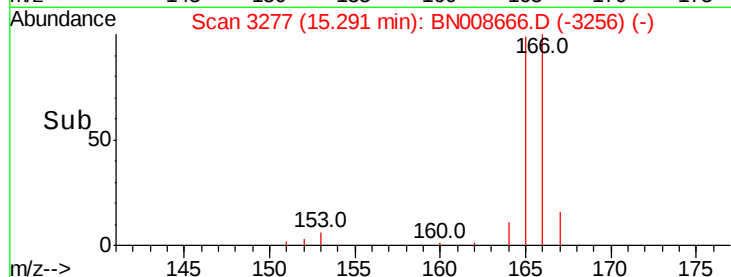
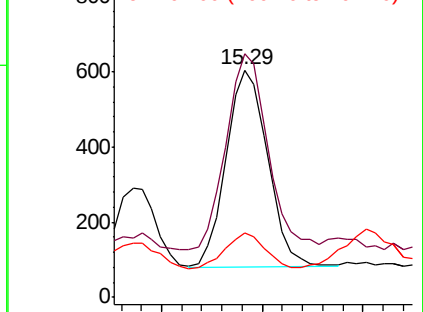
166 100

165 107.1 77.4 116.0

167 28.5 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: 0.314 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. -0.01 min

Lab File: BN008666.D

Acq: 20 Nov 2019 18:32

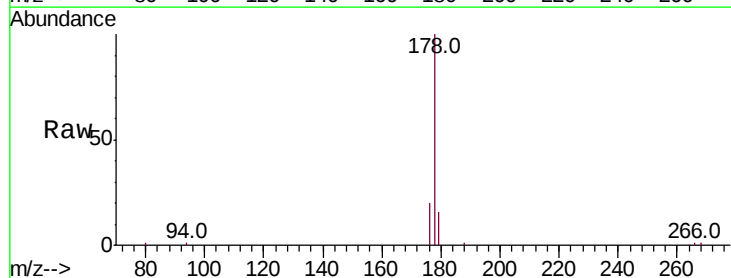
Tgt Ion:178 Resp: 16141

Ion Ratio Lower Upper

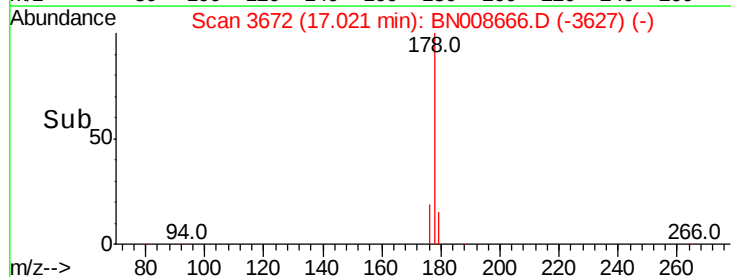
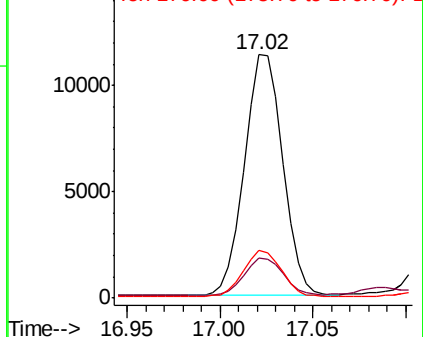
178 100

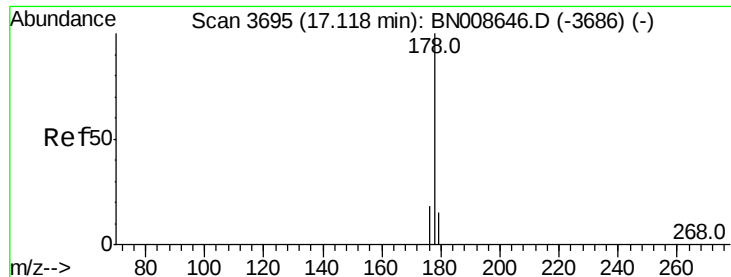
179 16.3 12.8 19.2

176 19.6 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: 0.073 ng/ul

RT: 17.11 min Scan# 3694

Delta R.T. -0.00 min

Lab File: BN008666.D

Acq: 20 Nov 2019 18:32

Instrument :

BNA_N

ClientSampleId :

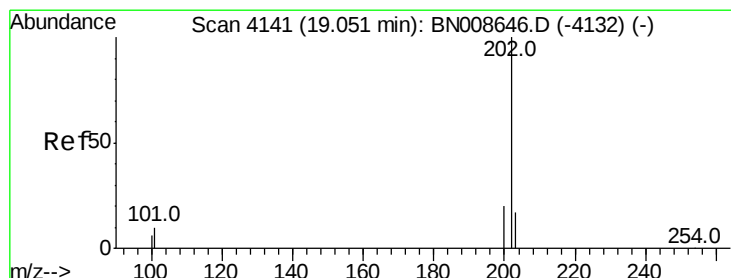
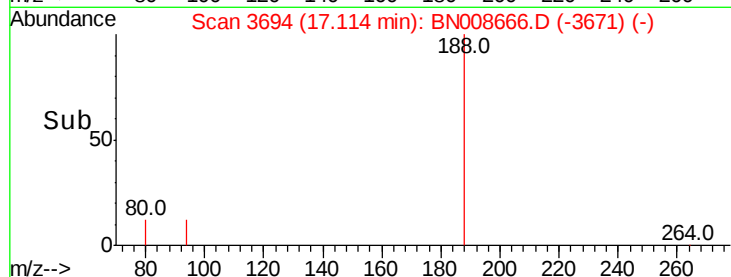
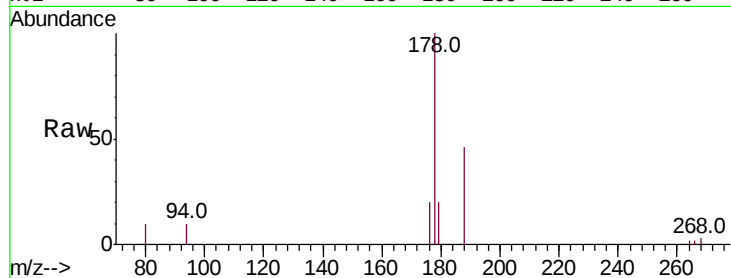
Tot Ion:178 Resp: 3565

Ion Ratio Lower Upper

178 100

179 20.5 13.0 19.4#

176 20.0 15.3 22.9



#15

Fluoranthene

Concen: 0.594 ng/ul

RT: 19.04 min Scan# 4139

Delta R.T. -0.01 min

Lab File: BN008666.D

Acq: 20 Nov 2019 18:32

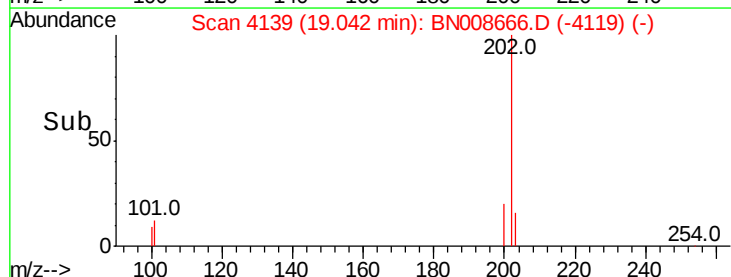
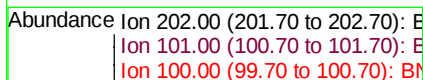
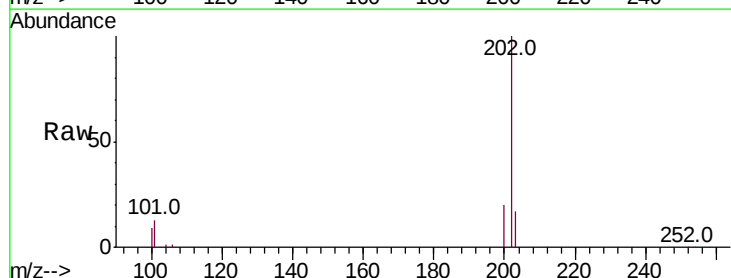
Tgt Ion:202 Resp: 37502

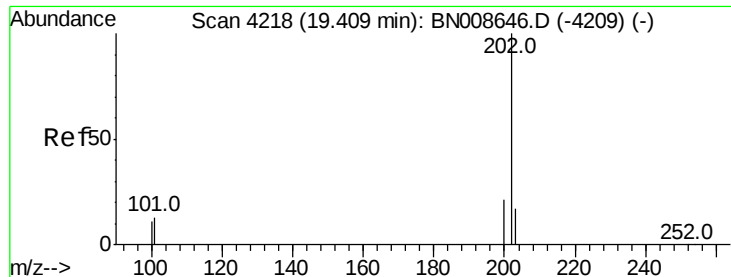
Ion Ratio Lower Upper

202 100

101 12.6 0.0 29.6

100 9.4 0.0 27.0

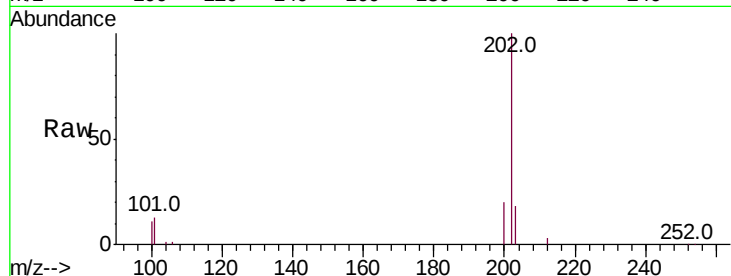




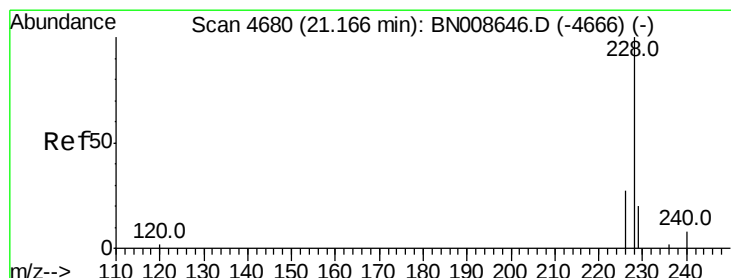
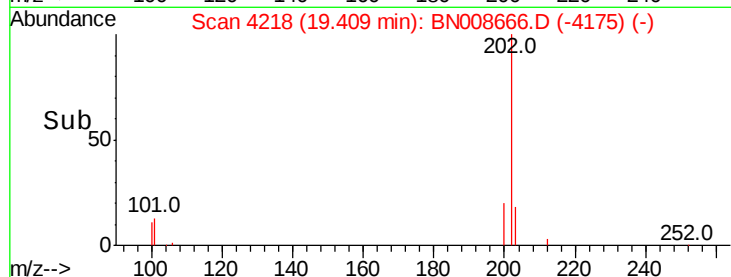
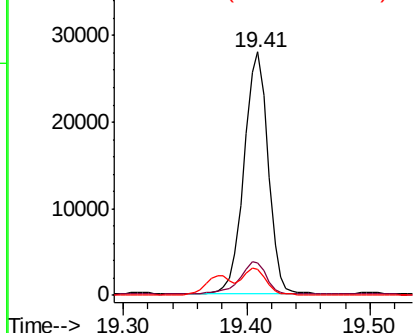
#17
Pvrene
Concen: 0.756 ng/ul
RT: 19.41 min Scan# 4218
Delta R.T. 0.00 min
Lab File: BN008666.D
Acq: 20 Nov 2019 18:32

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 38052
Ion Ratio Lower Upper
202 100
101 13.5 10.2 15.2
100 10.8 8.2 12.2

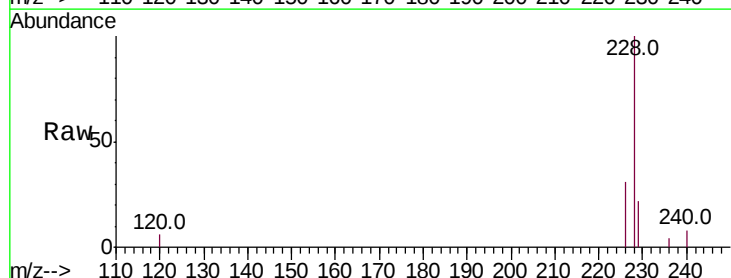


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

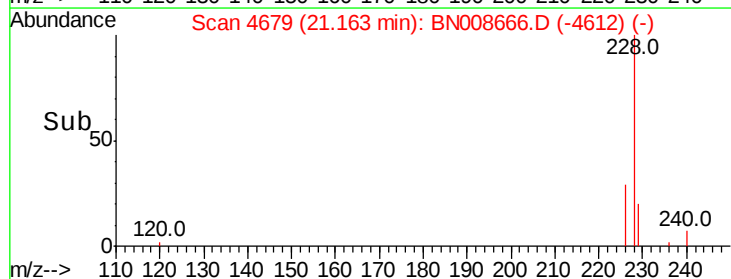
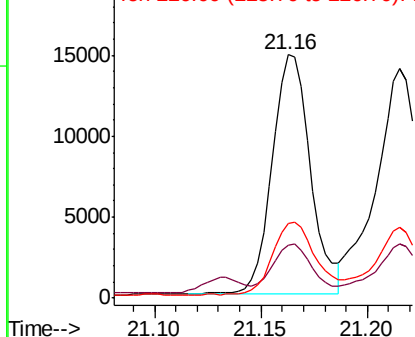


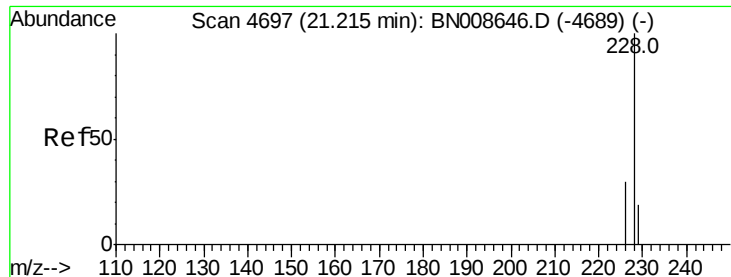
#18
Benzo(a)anthracene
Concen: 0.369 ng/ul
RT: 21.16 min Scan# 4679
Delta R.T. -0.00 min
Lab File: BN008666.D
Acq: 20 Nov 2019 18:32

Tgt Ion:228 Resp: 18602
Ion Ratio Lower Upper
228 100
229 21.9 15.8 23.6
226 30.6 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: 0.376 ng/ul

RT: 21.16 min Scan# 4679

Delta R.T. -0.05 min

Lab File: BN008666.D

Acq: 20 Nov 2019 18:32

Instrument :

BNA_N

ClientSampleId :

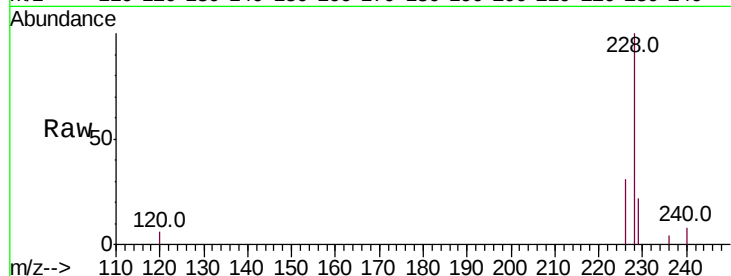
Tot Ion:228 Resp: 18602

Ion Ratio Lower Upper

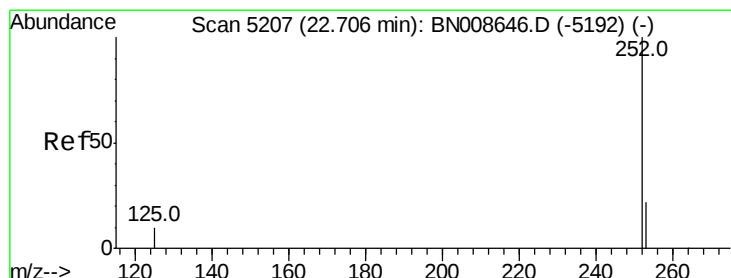
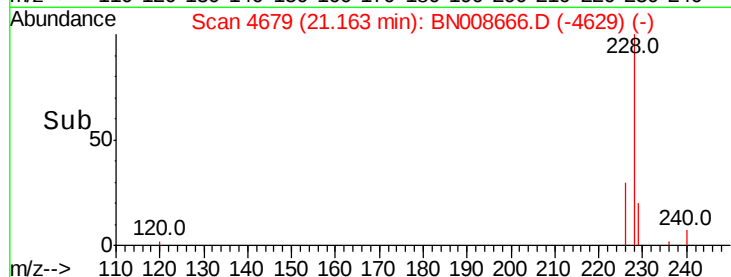
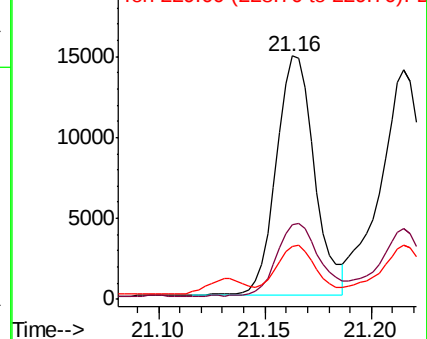
228 100

226 30.6 24.5 36.7

229 21.9 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: 0.564 ng/ul

RT: 22.71 min Scan# 5208

Delta R.T. 0.00 min

Lab File: BN008666.D

Acq: 20 Nov 2019 18:32

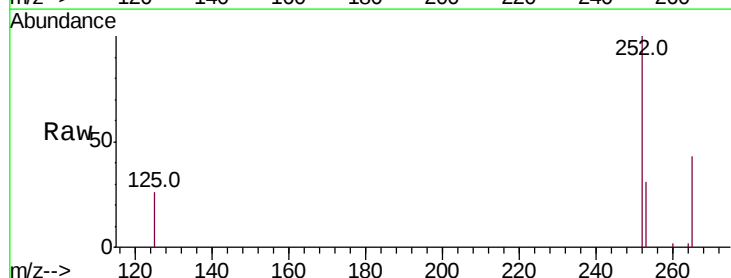
Tgt Ion:252 Resp: 29692

Ion Ratio Lower Upper

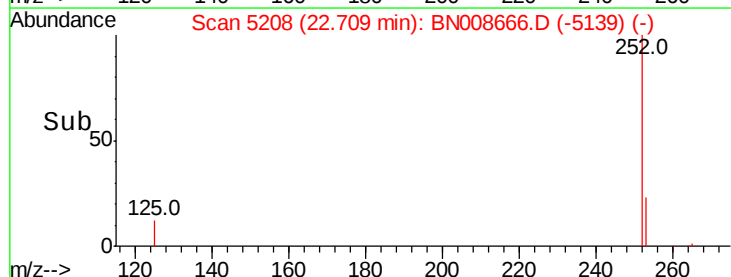
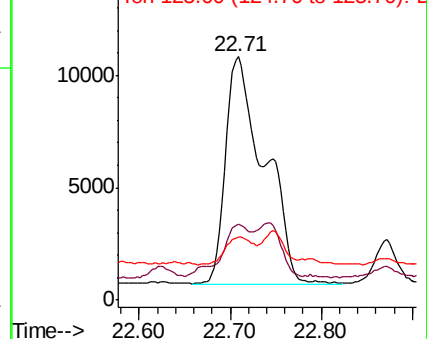
252 100

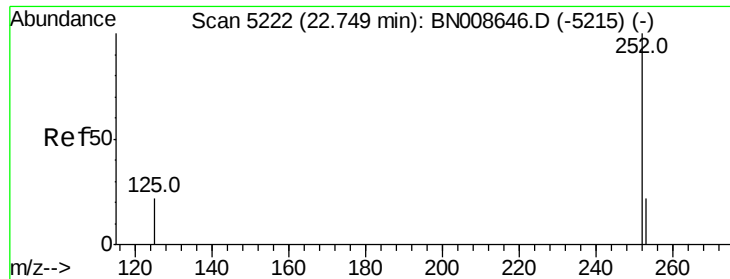
253 31.1 0.0 50.2

125 25.7 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: 0.568 ng/ul

RT: 22.71 min Scan# 5208

Delta R.T. -0.04 min

Lab File: BN008666.D

Acq: 20 Nov 2019 18:32

Instrument :

BNA_N

ClientSampleId :

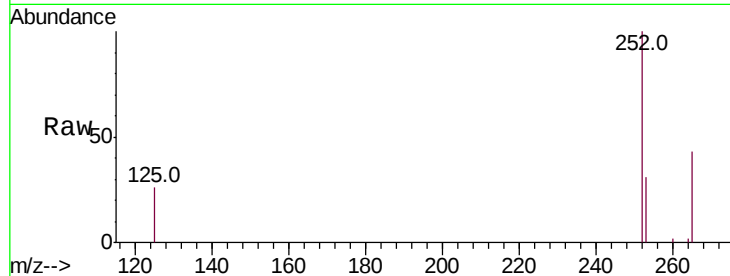
Tot Ion:252 Resp: 29692

Ion Ratio Lower Upper

252 100

253 31.1 20.5 30.7#

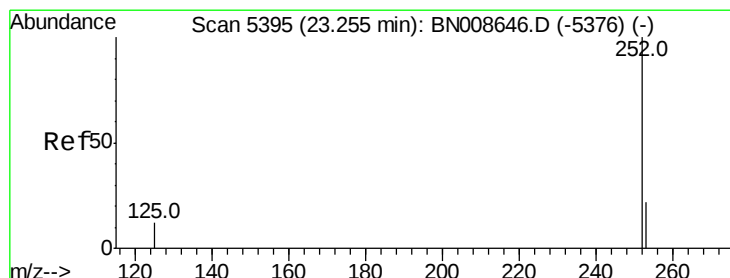
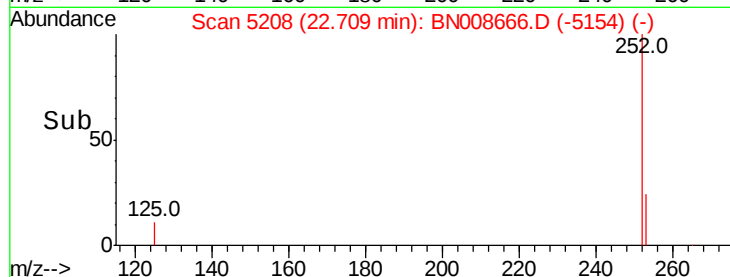
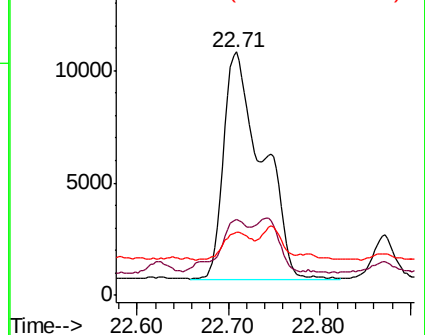
125 25.7 15.0 22.4#



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: 0.327 ng/ul

RT: 23.25 min Scan# 5394

Delta R.T. -0.00 min

Lab File: BN008666.D

Acq: 20 Nov 2019 18:32

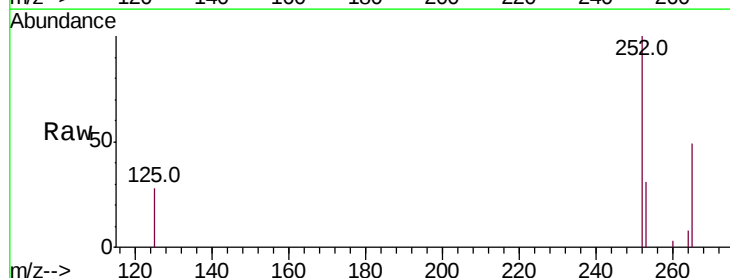
Tgt Ion:252 Resp: 16170

Ion Ratio Lower Upper

252 100

253 31.2 21.4 32.2

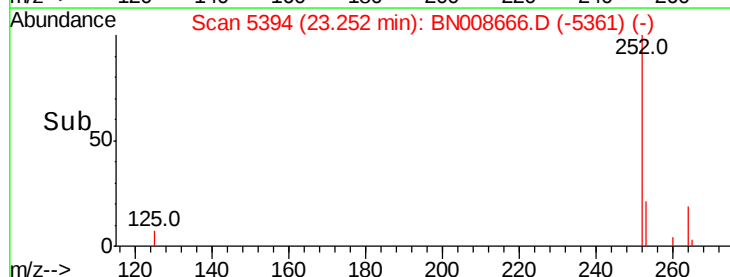
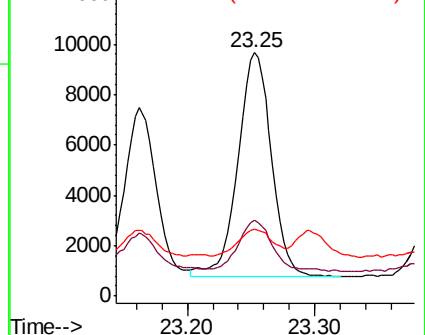
125 27.6 13.8 20.8#

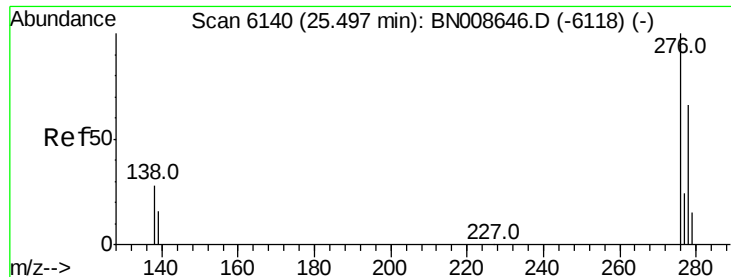


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



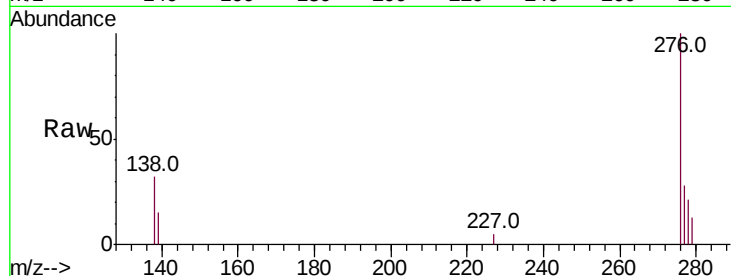


#24

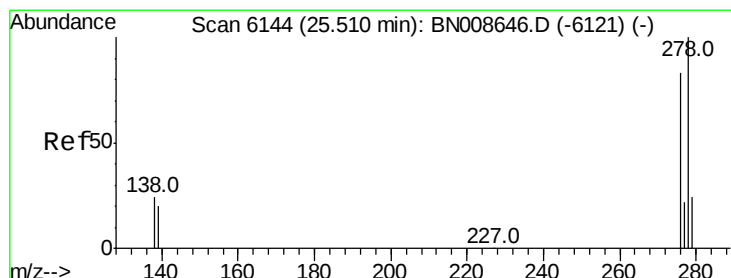
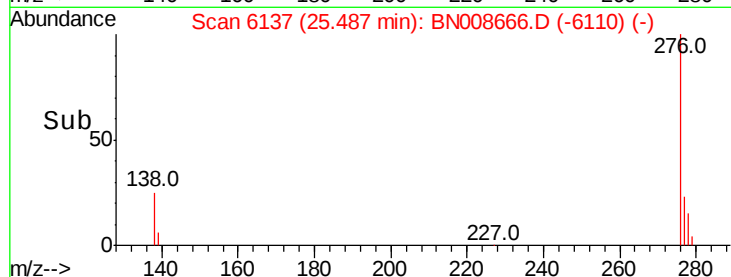
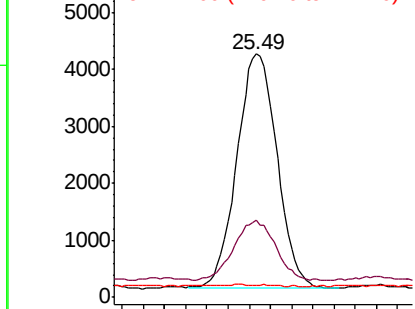
Indeno(1,2,3-cd)pyrene
Concen: 0.188 ng/ul
RT: 25.49 min Scan# 6137
Delta R.T. -0.01 min
Lab File: BN008666.D
Acq: 20 Nov 2019 18:32

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 10874
Ion Ratio Lower Upper
276 100
138 27.0 21.7 32.5
227 0.2 0.2 0.2#



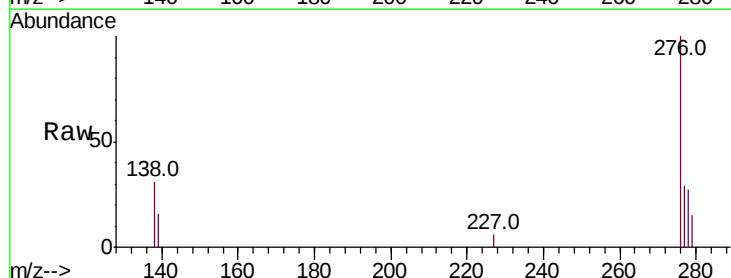
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



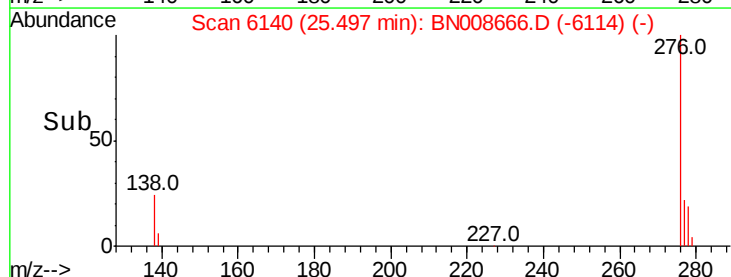
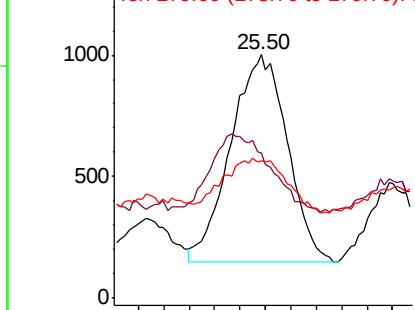
#25

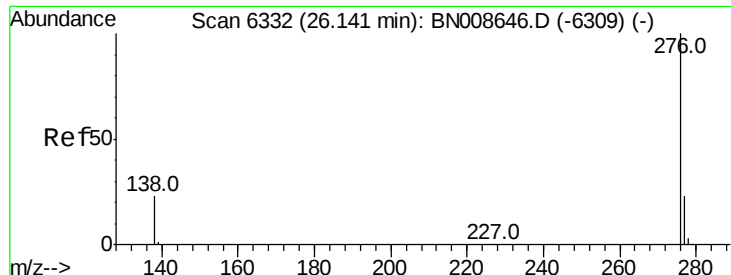
Dibenzo(a,h)anthracene
Concen: 0.057 ng/ul
RT: 25.50 min Scan# 6140
Delta R.T. -0.01 min
Lab File: BN008666.D
Acq: 20 Nov 2019 18:32

Tgt Ion:278 Resp: 2642
Ion Ratio Lower Upper
278 100
139 59.6 18.7 28.1#
279 56.4 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: 0.234 ng/ul

RT: 26.14 min Scan# 6331

Delta R.T. -0.00 min

Lab File: BN008666.D

Acq: 20 Nov 2019 18:32

Instrument :

BNA_N

ClientSampleId :

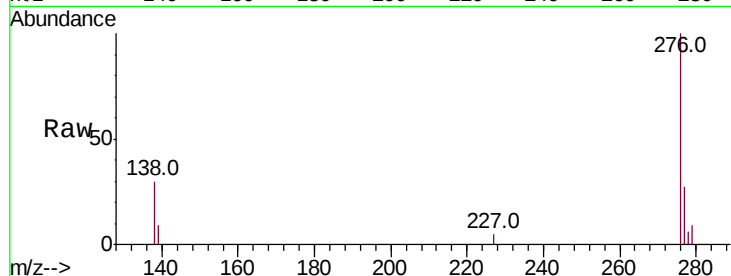
Tot Ion:276 Resp: 11309

Ion Ratio Lower Upper

276 100

138 30.4 20.0 30.0#

277 27.4 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

