

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101218\
 Data File : BN003117.D
 Acq On : 11 Oct 2018 23:32
 Operator : MJ/SJ
 Sample : J5230-04DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

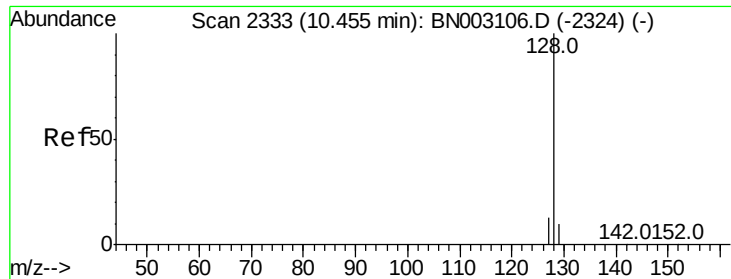
Quant Time: Oct 12 05:38:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 12 05:29:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	1711	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.40	136	7082	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	3825	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	7729	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	5089	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	5487	0.40	ng/ul	-0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	599	0.05	ng/ul	0.01
14) Fluoranthene-d10	19.05	212	1132	0.05	ng/ul	0.00

Target Compounds				Ovalue		
3) Naphthalene	10.45	128	2025	0.111	ng/ul#	93
5) 2-Methylnaphthalene	12.09	142	1285	0.103	ng/ul	95
7) Acenaphthylene	13.98	152	15684	0.896	ng/ul	99
8) Acenaphthene	14.32	153	703	0.053	ng/ul#	93
9) Fluorene	15.32	166	1180	0.078	ng/ul#	96
12) Phenanthrene	17.06	178	27316	1.268	ng/ul	99
13) Anthracene	17.15	178	15645	0.769	ng/ul	99
15) Fluoranthene	19.08	202	123208	4.874	ng/ul	100
17) Pyrene	19.45	202	104145	5.269	ng/ul	97
18) Benzo(a)anthracene	21.21	228	49771	3.039	ng/ul	100
19) Chrysene	21.26	228	55232	3.321	ng/ul	99
21) Benzo(b)fluoranthene	22.77	252	111025	5.618	ng/ul	91
22) Benzo(k)fluoranthene	22.94	252	12717	0.621	ng/ul	98
23) Benzo(a)pyrene	23.34	252	41666	2.353	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	25.64	276	34433	1.692	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.64	278	10006	0.614	ng/ul	100
26) Benzo(a,h,i)perylene	26.32	276	28406	1.655	ng/ul	94

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



#3

Naphthalene

Concen: 0.111 ng/ul

RT: 10.45 min Scan# 2332

Delta R.T. -0.01 min

Lab File: BN003117.D

Acq: 11 Oct 2018 23:32

Instrument :

BNA_N

ClientSampled :

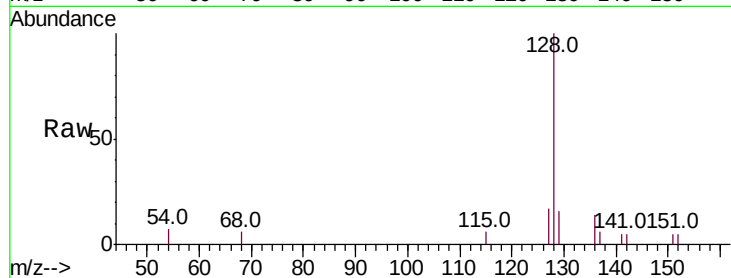
Tot Ion:128 Resp: 2025

Ion Ratio Lower Upper

128 100

129 16.4 10.4 15.6#

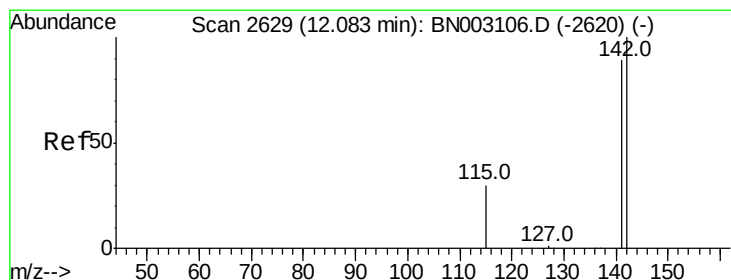
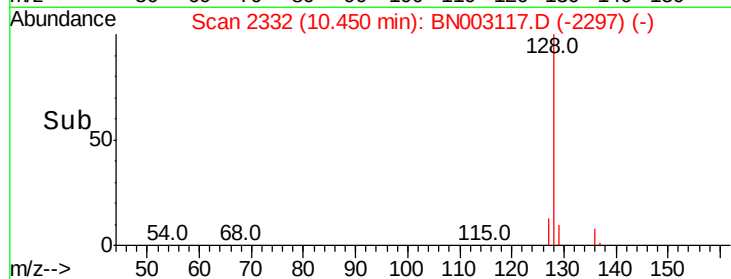
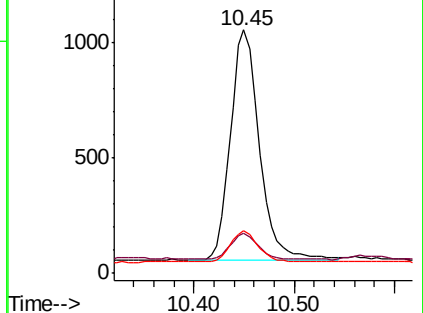
127 17.3 11.7 17.5



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: 0.103 ng/ul

RT: 12.09 min Scan# 2630

Delta R.T. 0.01 min

Lab File: BN003117.D

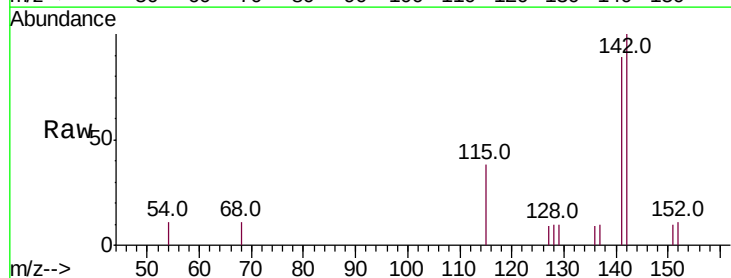
Acq: 11 Oct 2018 23:32

Tgt Ion:142 Resp: 1285

Ion Ratio Lower Upper

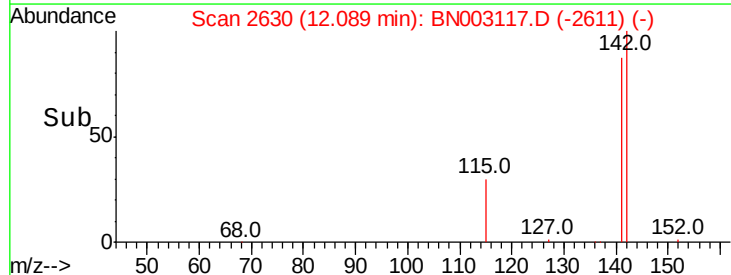
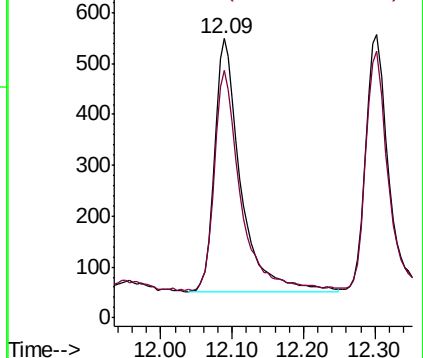
142 100

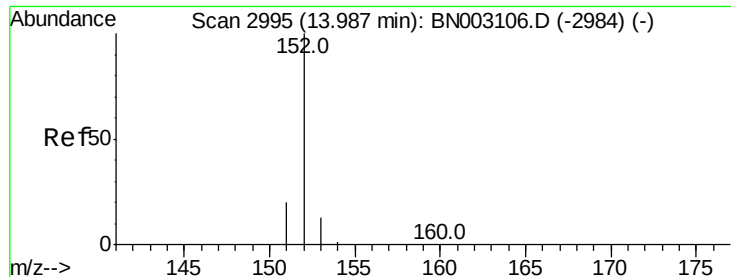
141 86.8 73.4 110.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.896 ng/ul

RT: 13.98 min Scan# 2994

Delta R.T. -0.00 min

Lab File: BN003117.D

Acq: 11 Oct 2018 23:32

Instrument :

BNA_N

ClientSampleId :

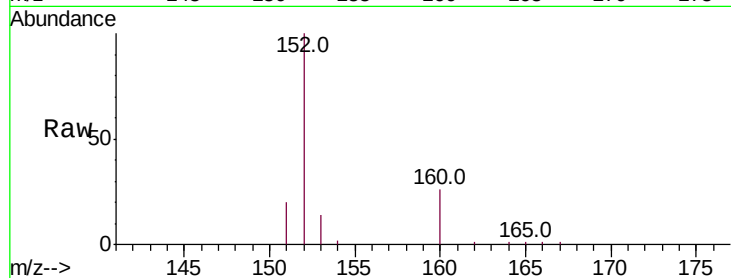
Tot Ion:152 Resp: 15684

Ion Ratio Lower Upper

152 100

151 20.2 16.5 24.7

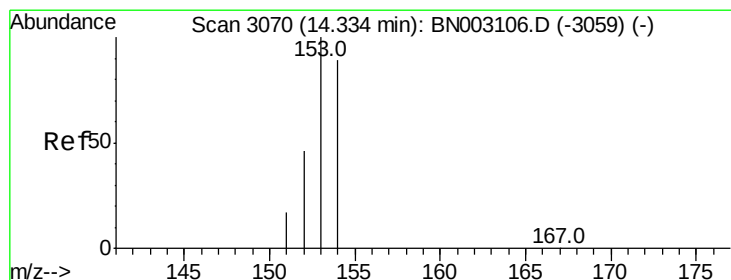
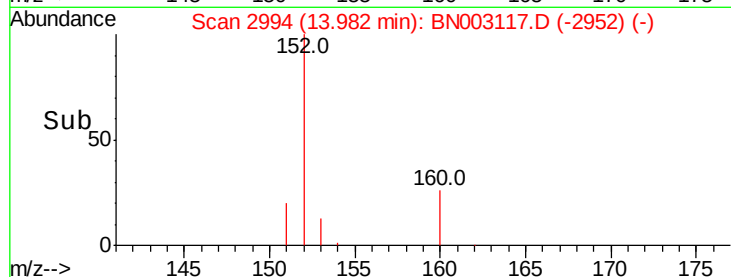
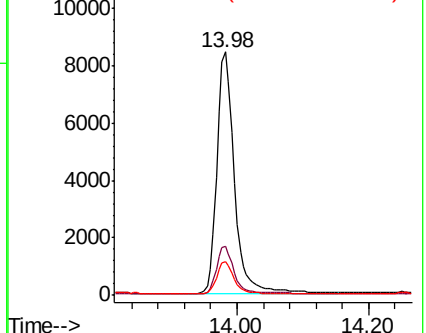
153 13.7 11.4 17.2



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: 0.053 ng/ul

RT: 14.32 min Scan# 3068

Delta R.T. -0.01 min

Lab File: BN003117.D

Acq: 11 Oct 2018 23:32

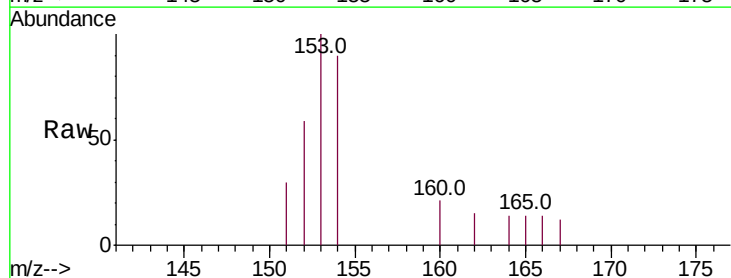
Tgt Ion:153 Resp: 703

Ion Ratio Lower Upper

153 100

152 58.8 38.2 57.4#

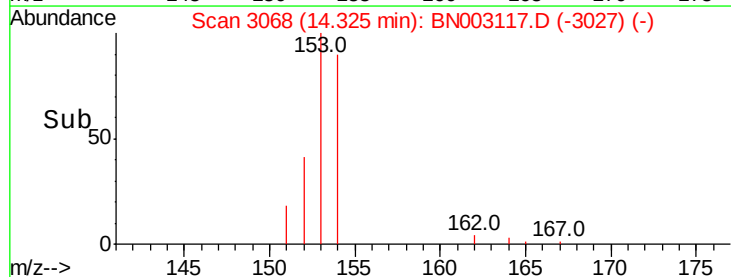
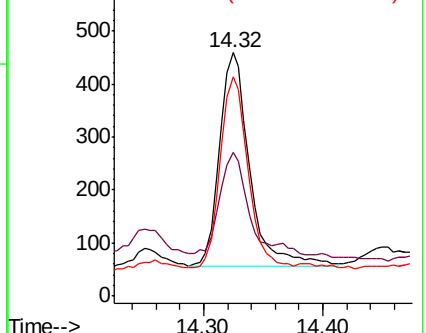
154 90.0 70.2 105.2

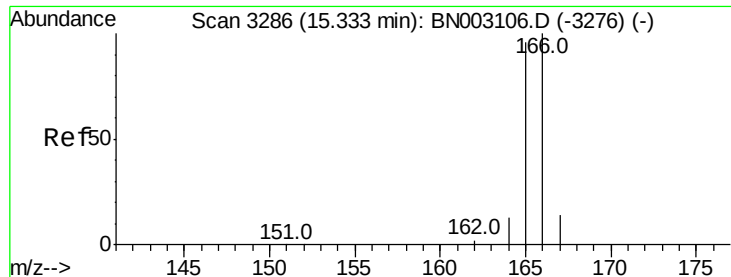


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

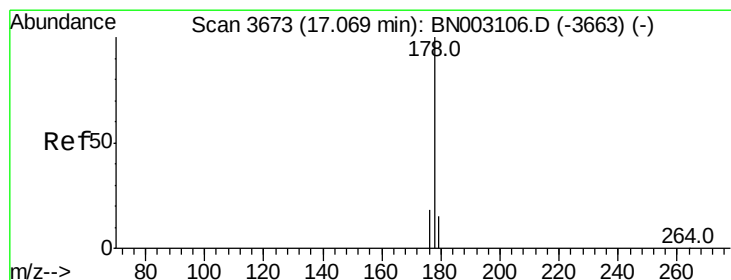
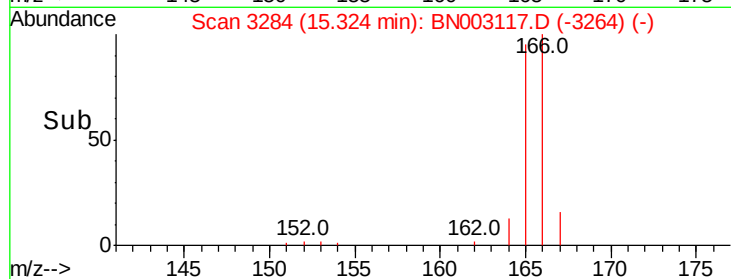
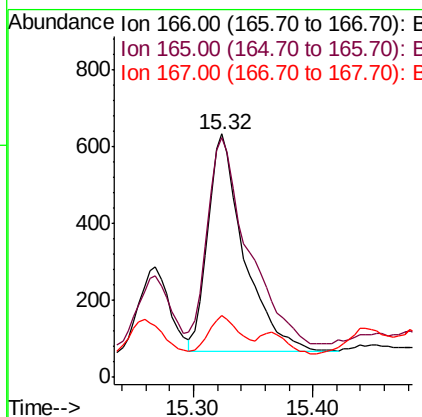
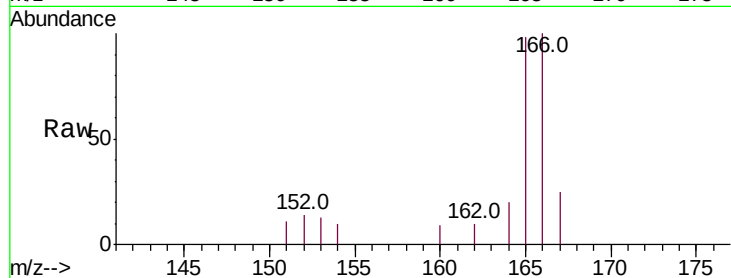




#9
Fluorene
 Concen: 0.078 ng/ul
 RT: 15.32 min Scan# 3284
 Delta R.T. -0.01 min
 Lab File: BN003117.D
 Acq: 11 Oct 2018 23:32

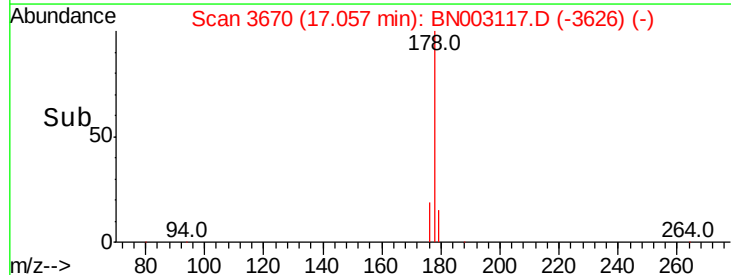
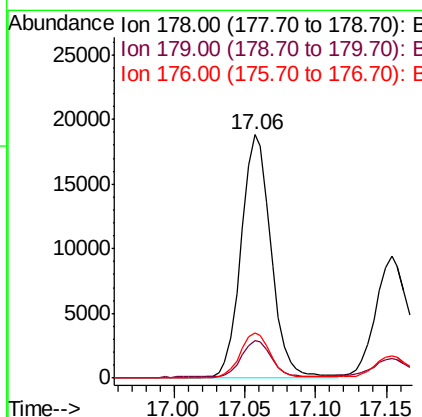
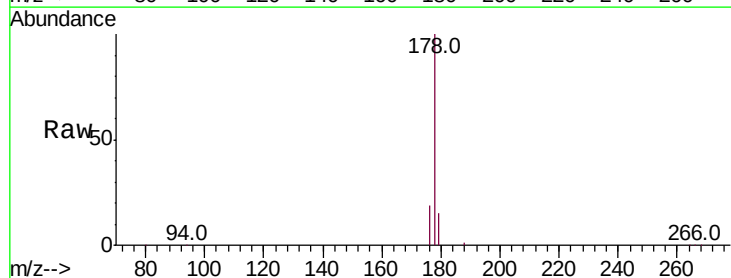
Instrument :
 BNA_N
 ClientSampleId :

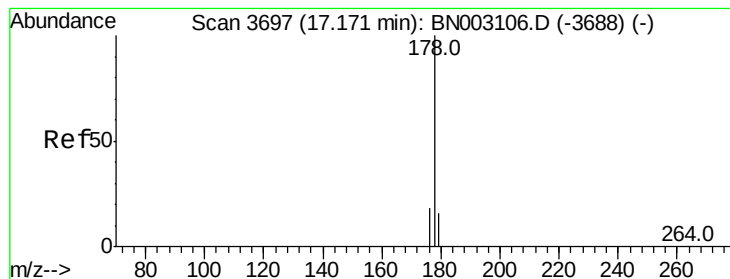
Tot Ion:166 Resp: 1180
 Ion Ratio Lower Upper
 166 100
 165 98.3 78.5 117.7
 167 25.3 11.6 17.4#



#12
Phenanthrene
 Concen: 1.268 ng/ul
 RT: 17.06 min Scan# 3670
 Delta R.T. -0.01 min
 Lab File: BN003117.D
 Acq: 11 Oct 2018 23:32

Tgt Ion:178 Resp: 27316
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.9 19.3
 176 18.8 15.4 23.2





#13

Anthracene

Concen: 0.769 ng/ul

RT: 17.15 min Scan# 3693

Delta R.T. -0.02 min

Lab File: BN003117.D

Acq: 11 Oct 2018 23:32

Instrument :

BNA_N

ClientSampleId :

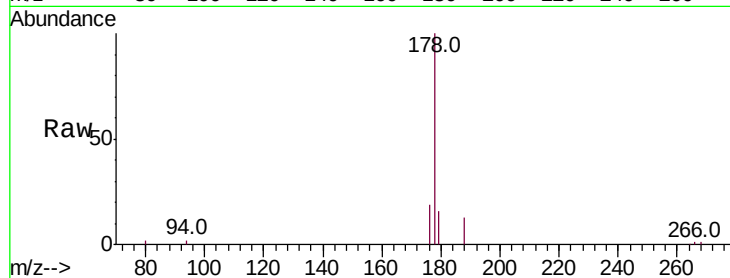
Tot Ion:178 Resp: 15645

Ion Ratio Lower Upper

178 100

179 16.4 13.0 19.6

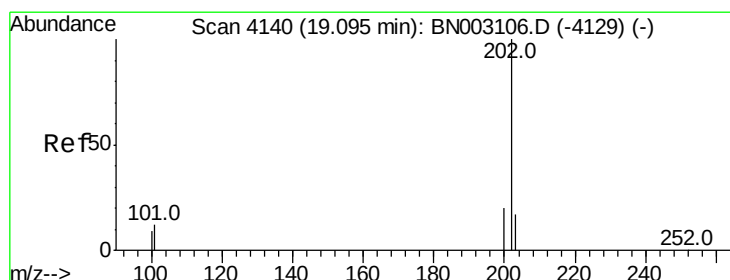
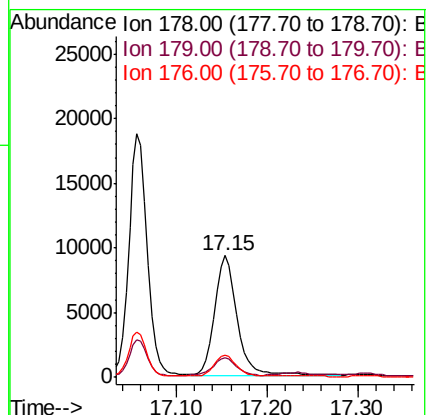
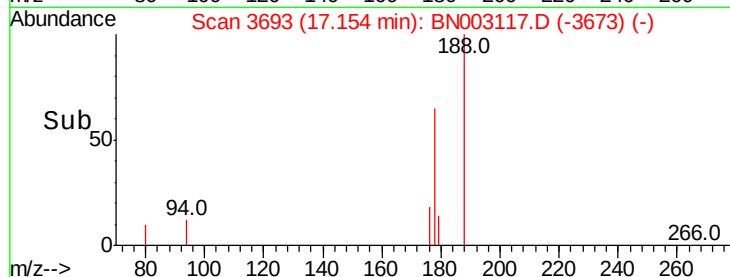
176 18.5 15.3 22.9



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: 4.874 ng/ul

RT: 19.08 min Scan# 4137

Delta R.T. -0.01 min

Lab File: BN003117.D

Acq: 11 Oct 2018 23:32

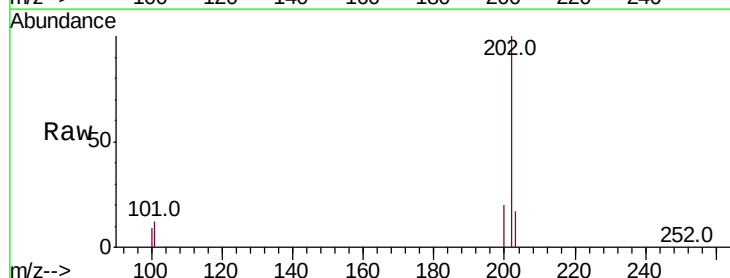
Tgt Ion:202 Resp: 123208

Ion Ratio Lower Upper

202 100

101 12.4 0.0 32.3

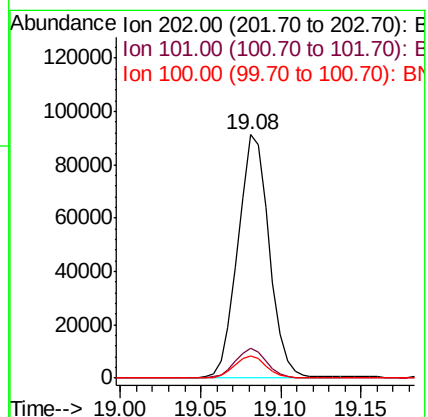
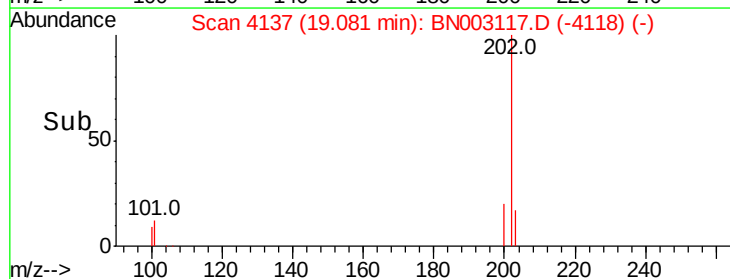
100 9.2 0.0 29.1

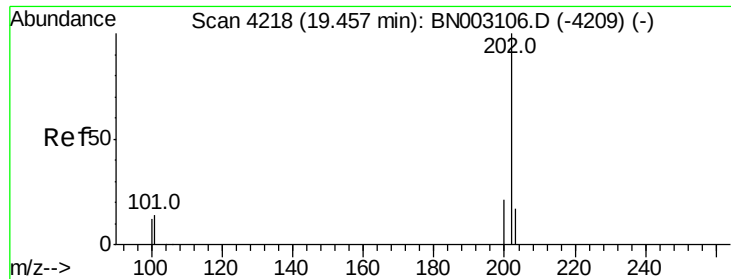


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pvrene

Concen: 5.269 ng/ul

RT: 19.45 min Scan# 4216

Delta R.T. -0.01 min

Lab File: BN003117.D

Acq: 11 Oct 2018 23:32

Instrument :

BNA_N

ClientSampleId :

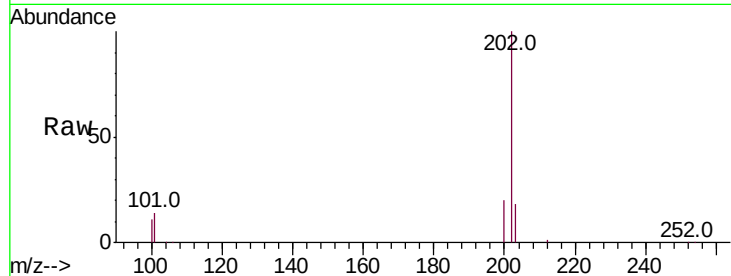
Tot Ion:202 Resp: 104145

Ion Ratio Lower Upper

202 100

101 13.6 11.9 17.9

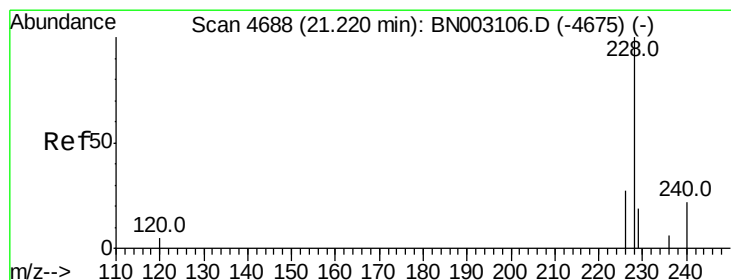
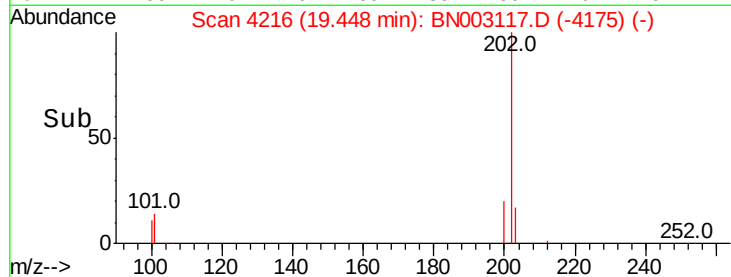
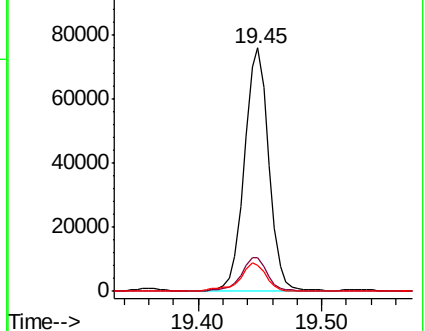
100 10.9 9.9 14.9



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



#18

Benzo(a)anthracene

Concen: 3.039 ng/ul

RT: 21.21 min Scan# 4683

Delta R.T. -0.01 min

Lab File: BN003117.D

Acq: 11 Oct 2018 23:32

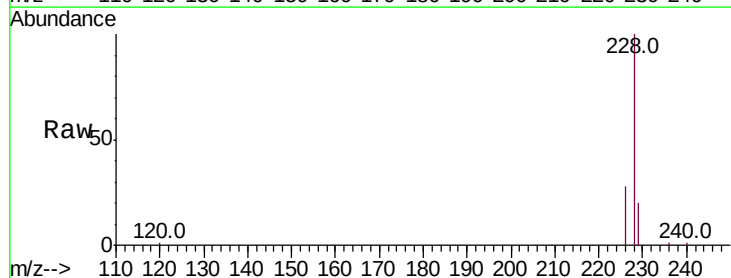
Tgt Ion:228 Resp: 49771

Ion Ratio Lower Upper

228 100

229 20.3 16.2 24.2

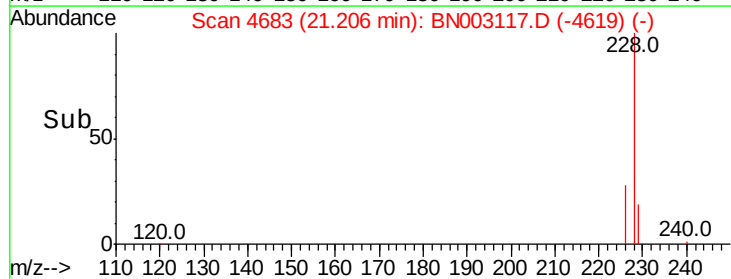
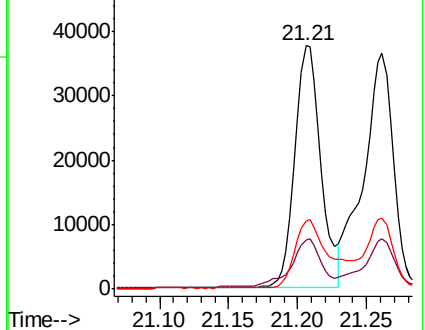
226 28.3 22.3 33.5

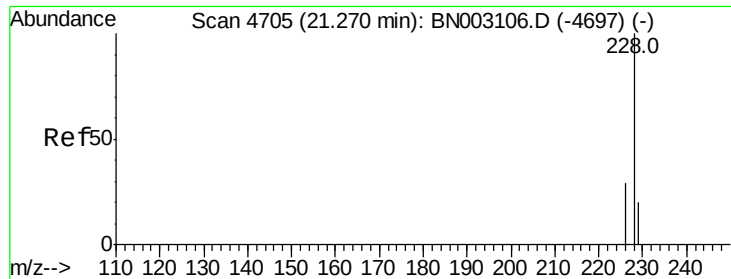


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 3.321 ng/ul

RT: 21.26 min Scan# 4702

Delta R.T. -0.01 min

Lab File: BN003117.D

Acq: 11 Oct 2018 23:32

Instrument :

BNA_N

ClientSampleId :

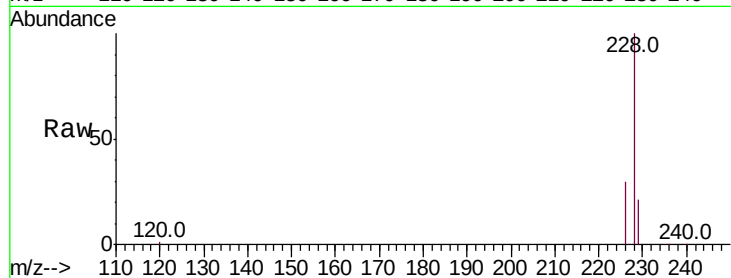
Tot Ion:228 Resp: 55232

Ion Ratio Lower Upper

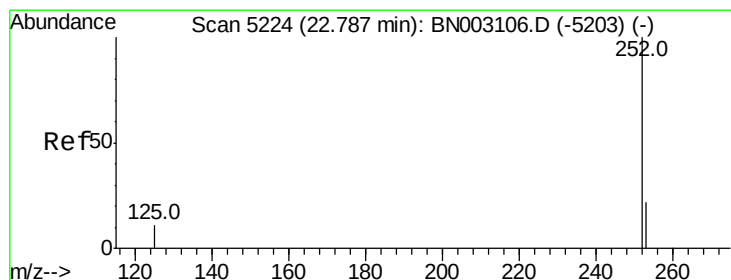
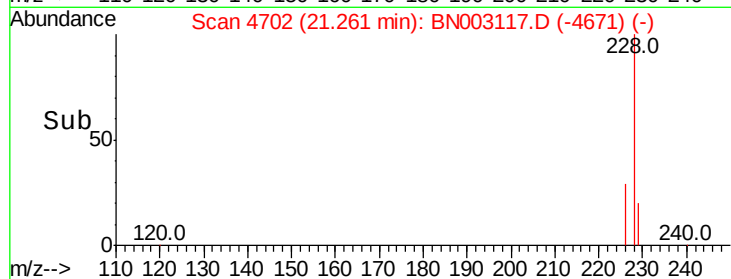
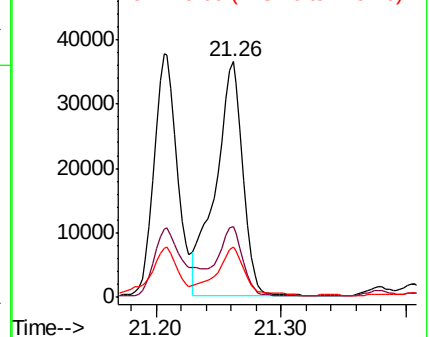
228 100

226 29.8 24.2 36.4

229 21.2 16.7 25.1



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: 5.618 ng/ul

RT: 22.77 min Scan# 5220

Delta R.T. -0.01 min

Lab File: BN003117.D

Acq: 11 Oct 2018 23:32

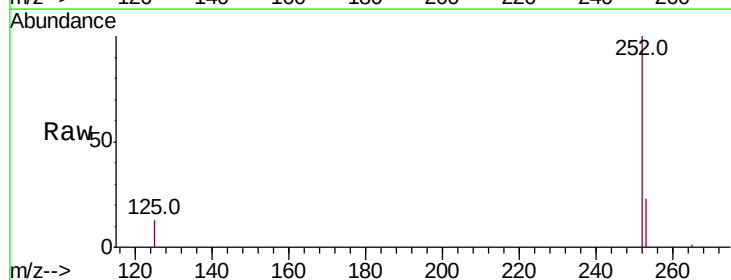
Tgt Ion:252 Resp: 111025

Ion Ratio Lower Upper

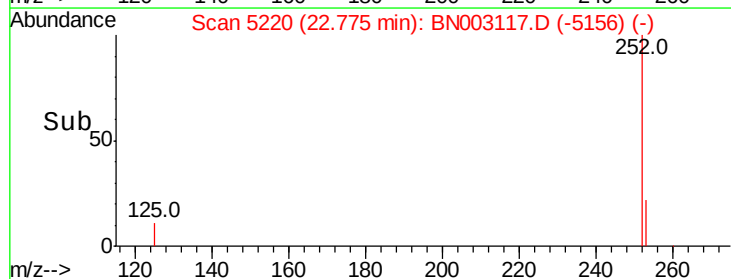
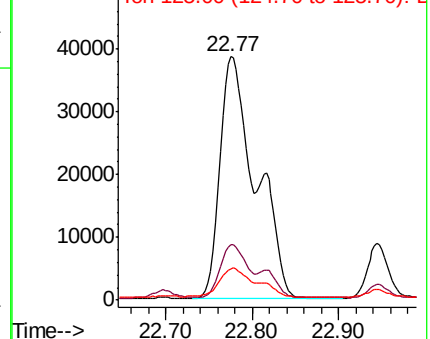
252 100

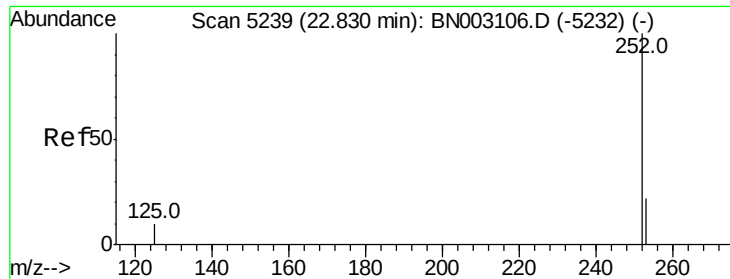
253 22.6 0.0 53.2

125 12.8 0.0 34.2



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

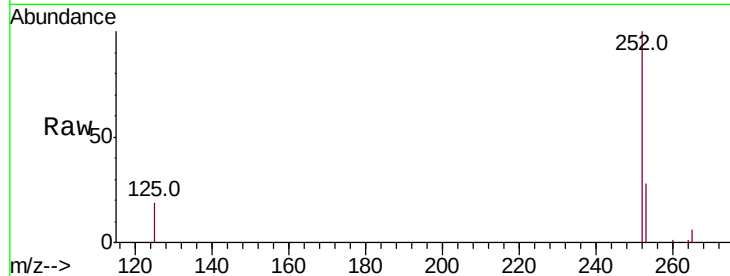




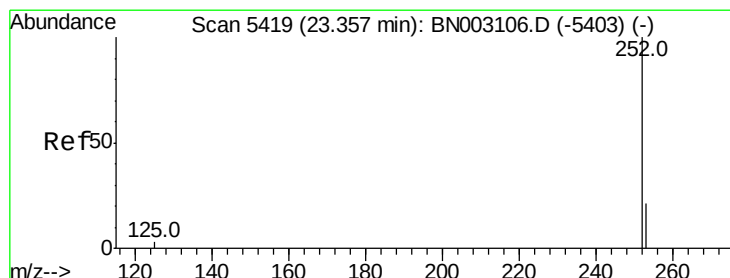
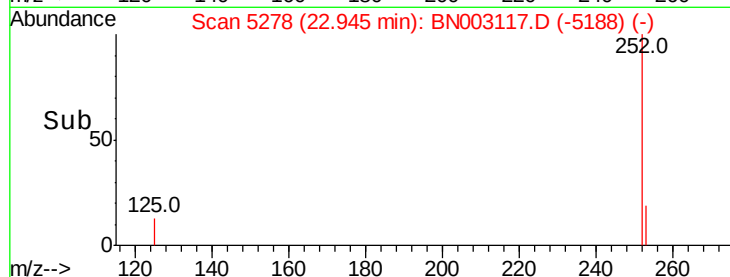
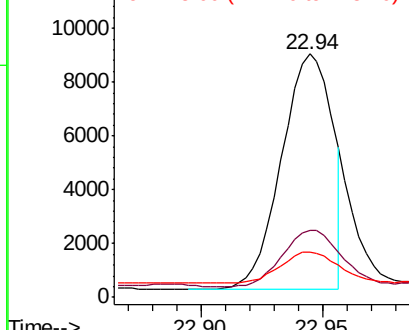
#22
Benzo(k)fluoranthene
Concen: 0.621 ng/ul
RT: 22.94 min Scan# 5278
Delta R.T. 0.11 min
Lab File: BN003117.D
Acq: 11 Oct 2018 23:32

Instrument :
BNA_N
ClientSampleId :

Tot Ion:252 Resp: 12717
Ion Ratio Lower Upper
252 100
253 27.6 21.3 31.9
125 18.7 14.1 21.1

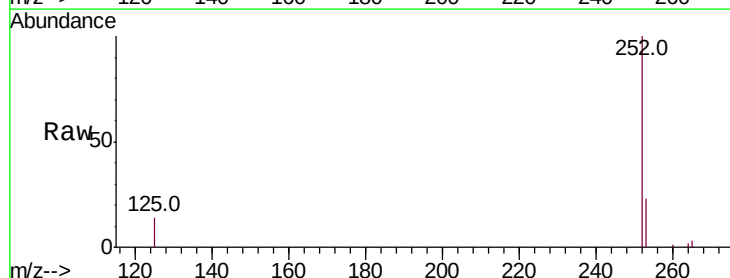


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

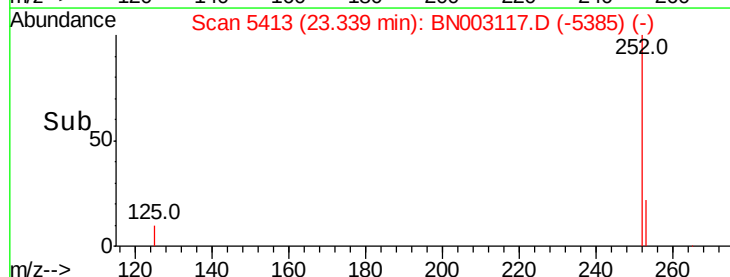
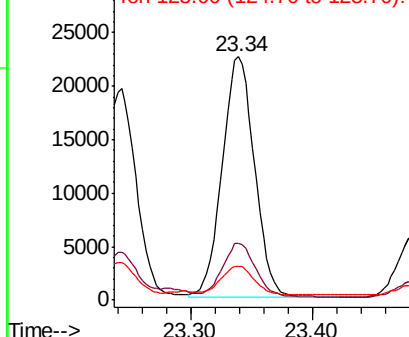


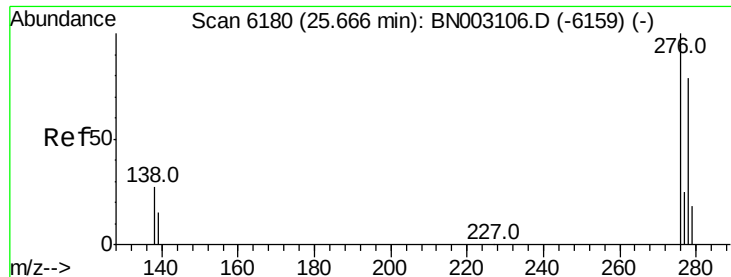
#23
Benzo(a)pyrene
Concen: 2.353 ng/ul
RT: 23.34 min Scan# 5413
Delta R.T. -0.02 min
Lab File: BN003117.D
Acq: 11 Oct 2018 23:32

Tgt Ion:252 Resp: 41666
Ion Ratio Lower Upper
252 100
253 23.5 23.1 34.7
125 14.1 16.9 25.3#



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



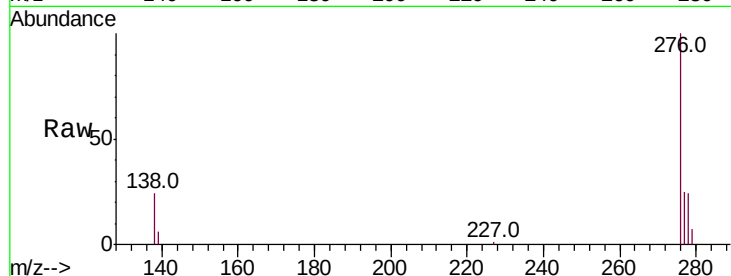


#24

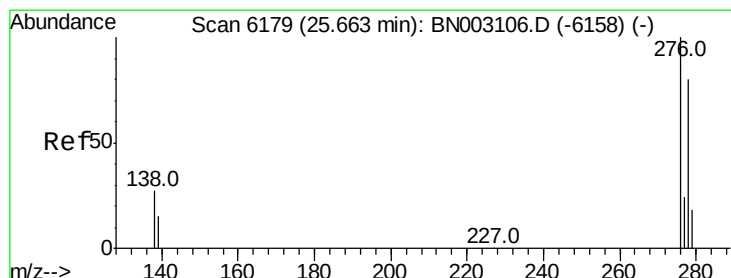
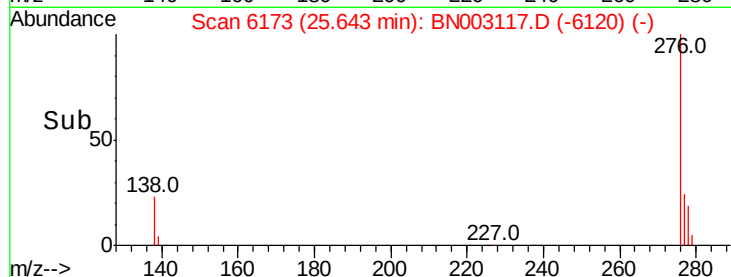
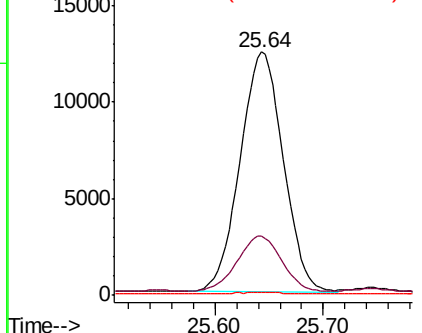
Indeno(1,2,3-cd)pyrene
Concen: 1.692 ng/ul
RT: 25.64 min Scan# 6173
Delta R.T. -0.02 min
Lab File: BN003117.D
Acq: 11 Oct 2018 23:32

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 34433
Ion Ratio Lower Upper
276 100
138 23.5 21.5 32.3
227 0.1 0.3 0.5#



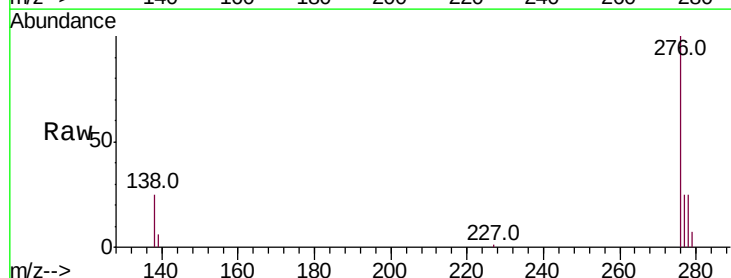
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



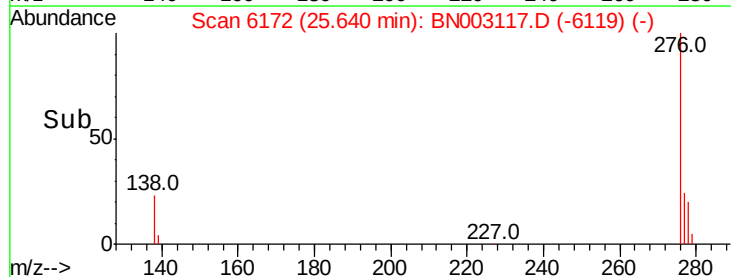
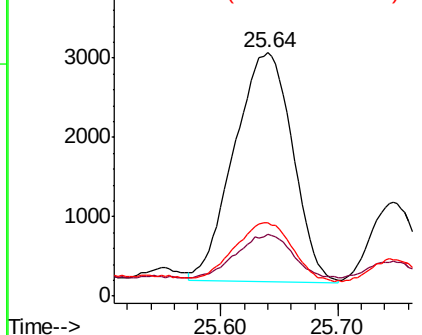
#25

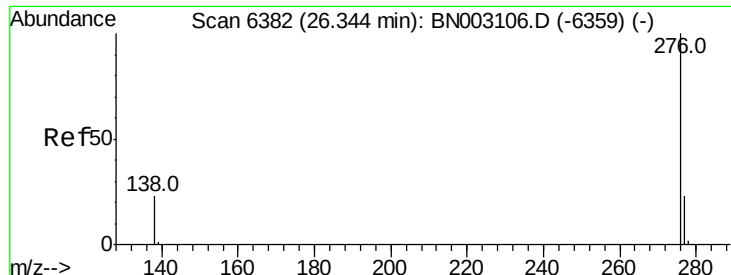
Dibenzo(a,h)anthracene
Concen: 0.614 ng/ul
RT: 25.64 min Scan# 6172
Delta R.T. -0.02 min
Lab File: BN003117.D
Acq: 11 Oct 2018 23:32

Tgt Ion:278 Resp: 10006
Ion Ratio Lower Upper
278 100
139 25.5 20.2 30.4
279 29.9 23.8 35.8



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: 1.655 ng/ul

RT: 26.32 min Scan# 6375

Delta R.T. -0.02 min

Lab File: BN003117.D

Acq: 11 Oct 2018 23:32

Instrument :

BNA_N

ClientSampleId :

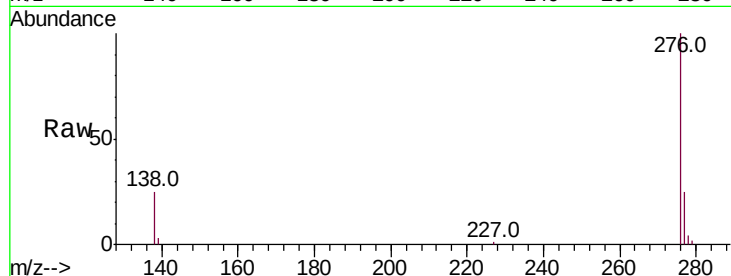
Tot Ion:276 Resp: 28406

Ion Ratio Lower Upper

276 100

138 25.2 23.0 34.4

277 24.7 22.0 33.0



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

