

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042418\
 Data File : BN000853.D
 Acq On : 24 Apr 2018 16:49
 Operator : JU/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 25 07:28:50 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 24 13:09:24 2018
 Response via : Initial Calibration

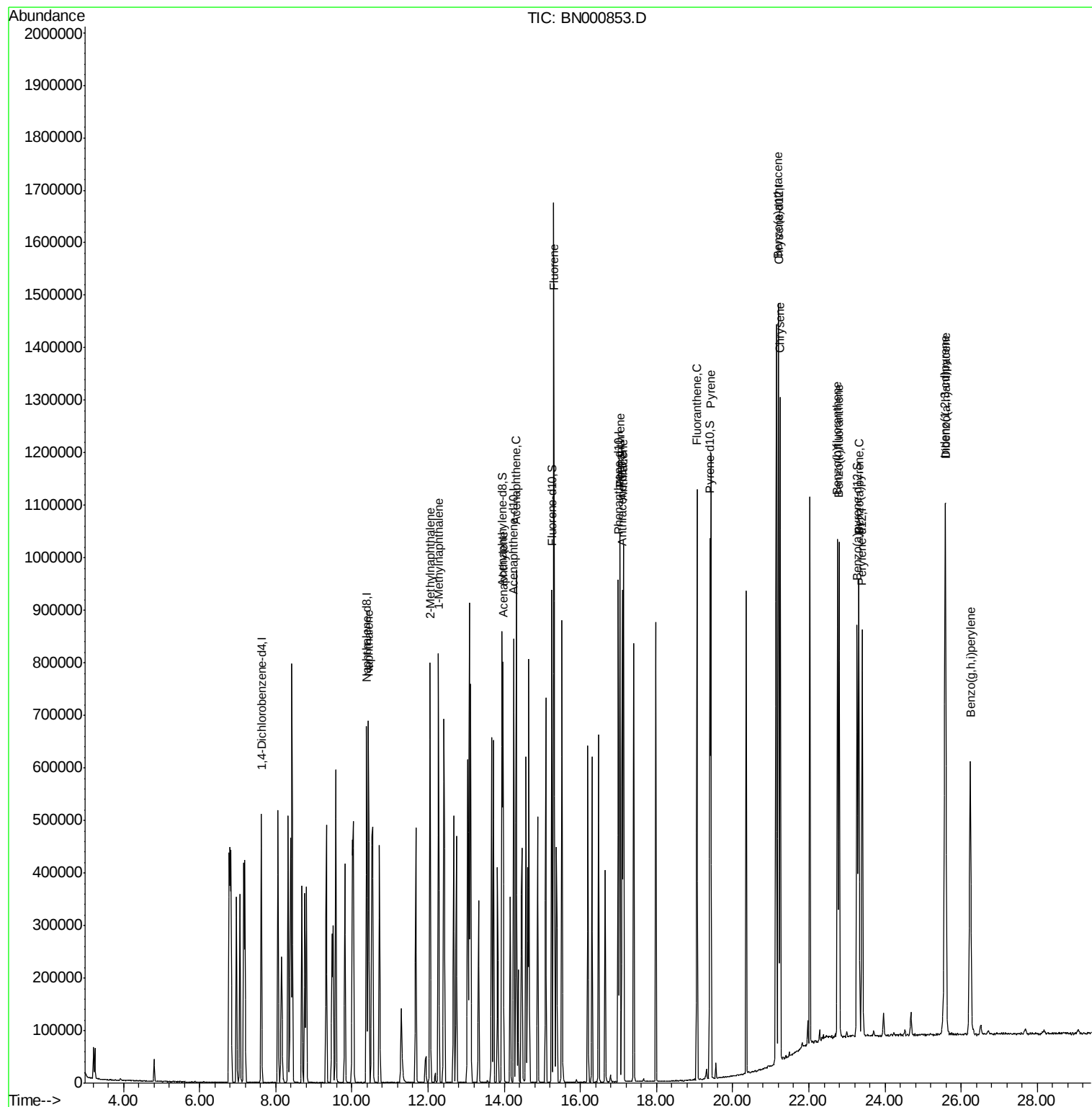
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	127344	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	530617	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	259257	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	504991	20.00	ng/ul	0.00
17) Chrysene-d12	21.21	240	466872	20.00	ng/ul	0.00
22) Perylene-d12	23.40	264	481194	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	13.94	160	536280	21.54	ng/ul	0.00
10) Fluorene-d10	15.25	176	347081	20.88	ng/ul	0.00
14) Anthracene-d10	17.10	188	488172	21.14	ng/ul	0.00
18) Pyrene-d10	19.40	212	489061	20.44	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.27	264	485054	21.34	ng/ul	0.02
Target Compounds				Ovalue		
3) Naphthalene	10.43	128	556249	20.800	ng/ul	100
4) 2-Methylnaphthalene	12.05	142	363147	20.353	ng/ul	97
5) 1-Methylnaphthalene	12.27	142	362826	20.732	ng/ul#	92
8) Acenaphthylene	13.97	152	523433	21.240	ng/ul	98
9) Acenaphthene	14.32	153	359293	21.102	ng/ul	97
11) Fluorene	15.30	166	384870	21.233	ng/ul	93
13) Phenanthrene	17.04	178	572103	20.772	ng/ul	100
15) Anthracene	17.13	178	576520	20.869	ng/ul	99
16) Fluoranthene	19.06	202	595357	21.305	ng/ul#	93
19) Pyrene	19.43	202	612738	20.433	ng/ul#	88
20) Benzo(a)anthracene	21.19	228	579356	20.759	ng/ul	99
21) Chrysene	21.25	228	539578	20.570	ng/ul	99
23) Benzo(b)fluoranthene	22.75	252	580766	21.237	ng/ul#	97
24) Benzo(k)fluoranthene	22.80	252	578839	21.631	ng/ul#	97
26) Benzo(a)pyrene	23.31	252	551582	21.105	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	25.57	276	668468	21.177	ng/ul#	85
28) Dibenzo(a,h)anthracene	25.59	278	552803	21.012	ng/ul#	95
29) Benzo(g,h,i)perylene	26.24	276	550287	20.843	ng/ul#	91

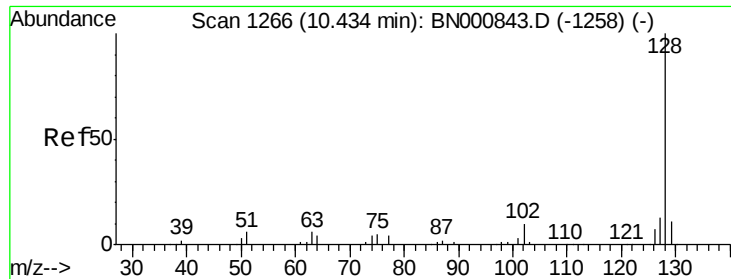
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 20.800 ng/ul

RT: 10.43 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BN000853.D

Acq: 24 Apr 2018 16:49

Instrument :

BNA_N

ClientSampleId :

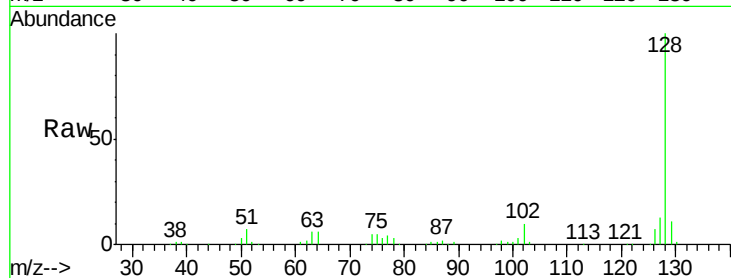
Tot Ion:128 Resp: 556249

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

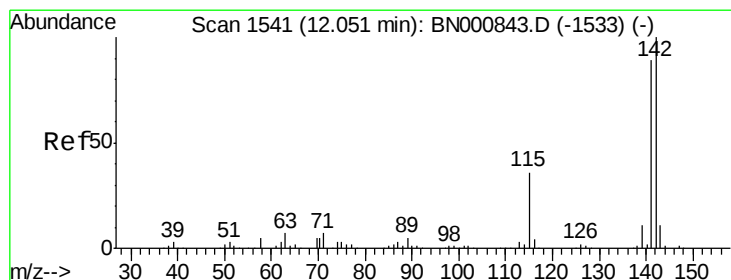
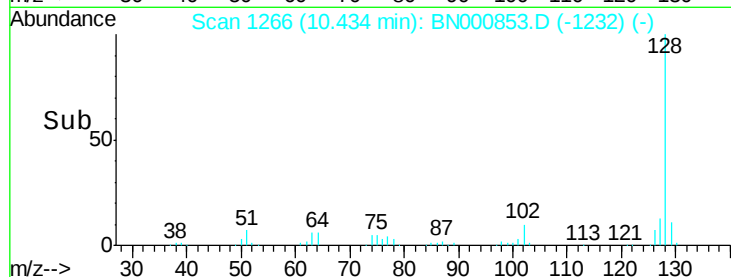
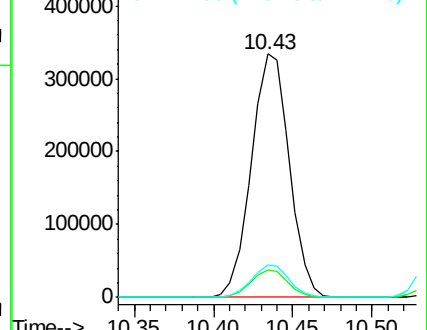
127 13.2 10.6 16.0



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



#4

2-Methylnaphthalene

Concen: 20.353 ng/ul

RT: 12.05 min Scan# 1541

Delta R.T. 0.00 min

Lab File: BN000853.D

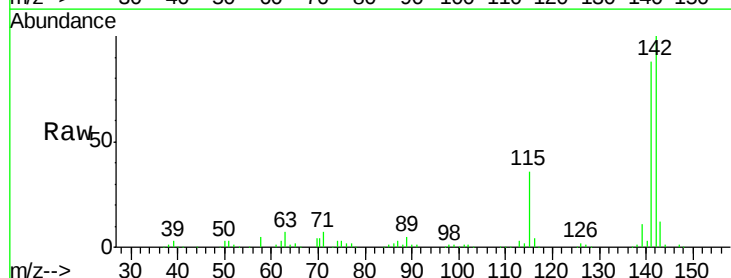
Acq: 24 Apr 2018 16:49

Tgt Ion:142 Resp: 363147

Ion Ratio Lower Upper

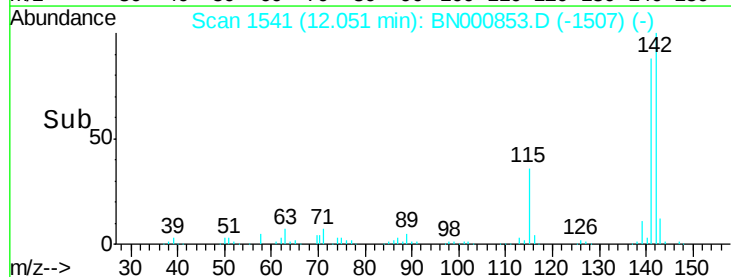
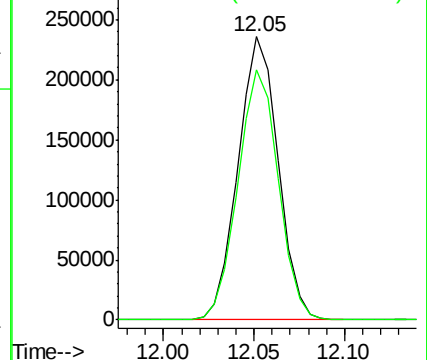
142 100

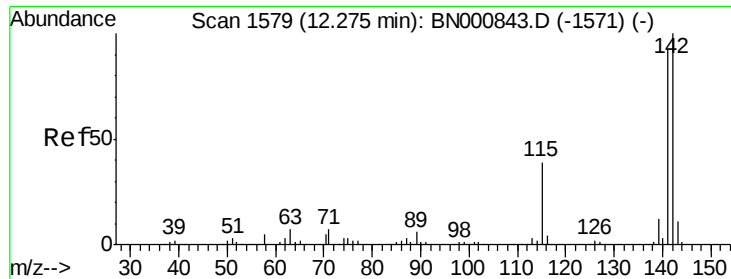
141 88.2 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 20.732 ng/ul

RT: 12.27 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BN000853.D

Acq: 24 Apr 2018 16:49

Instrument :

BNA_N

ClientSampleId :

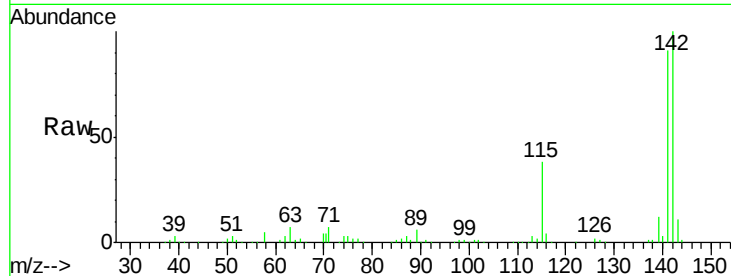
Tot Ion:142 Resp: 362826

Ion Ratio Lower Upper

142 100

141 91.2 79.3 118.9

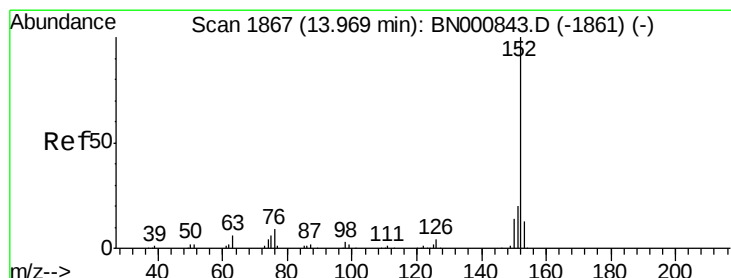
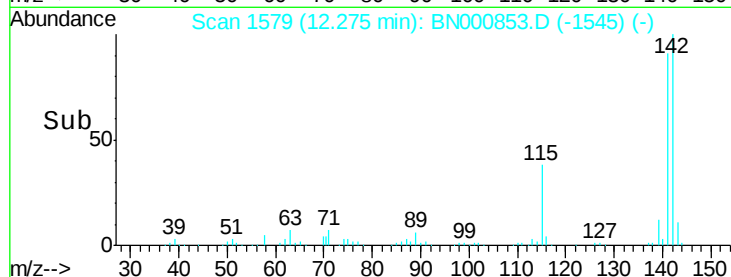
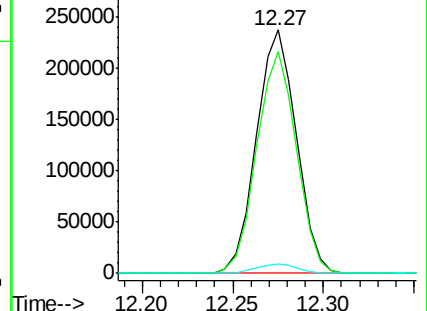
116 4.0 4.2 6.2#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#8

Acenaphthylene

Concen: 21.240 ng/ul

RT: 13.97 min Scan# 1867

Delta R.T. 0.00 min

Lab File: BN000853.D

Acq: 24 Apr 2018 16:49

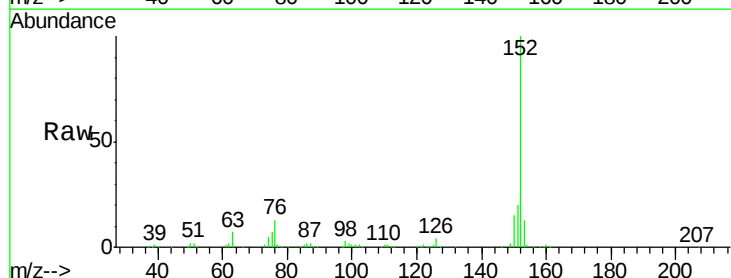
Tgt Ion:152 Resp: 523433

Ion Ratio Lower Upper

152 100

151 20.0 16.7 25.1

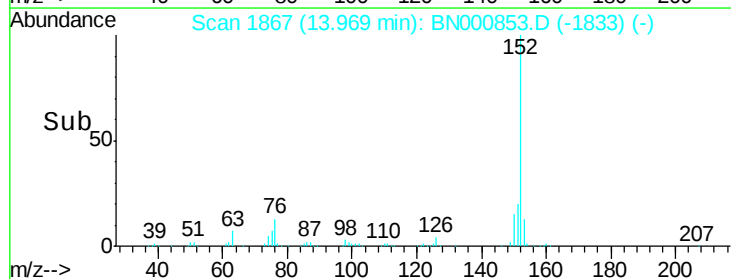
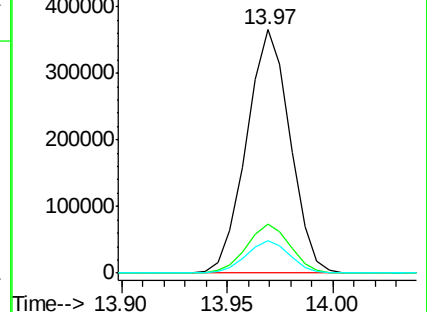
153 13.3 10.2 15.4

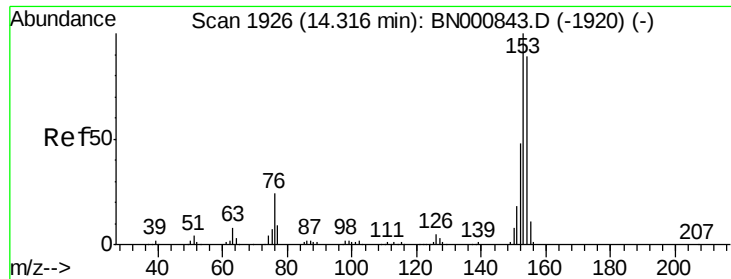


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 21.102 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. 0.00 min

Lab File: BN000853.D

Acq: 24 Apr 2018 16:49

Instrument :

BNA_N

ClientSampleId :

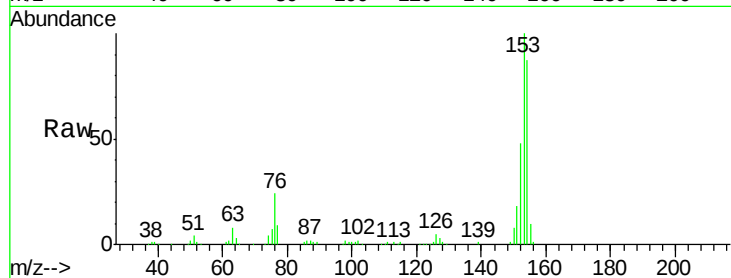
Tot Ion:153 Resp: 359293

Ion Ratio Lower Upper

153 100

152 47.5 39.0 58.6

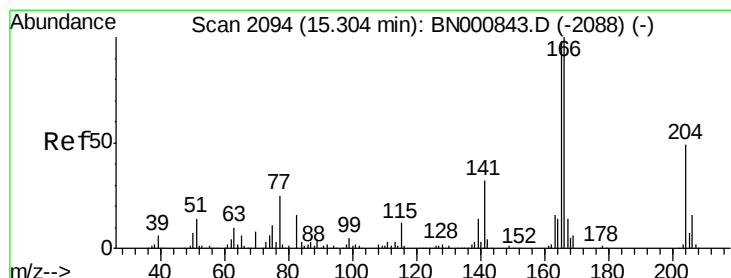
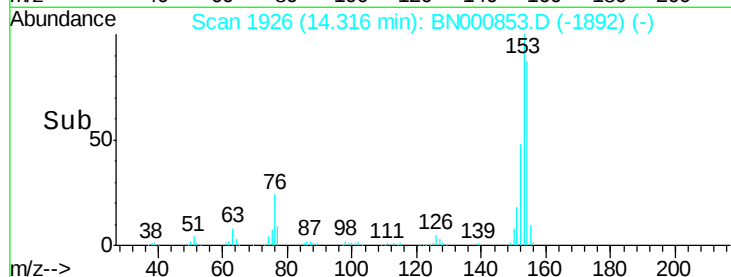
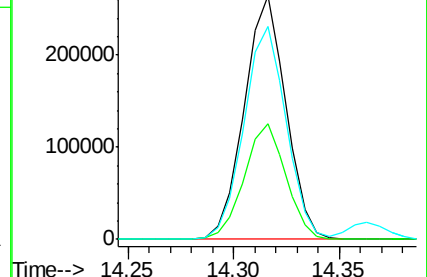
154 87.2 66.8 100.2



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



#11

Fluorene

Concen: 21.233 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. 0.00 min

Lab File: BN000853.D

Acq: 24 Apr 2018 16:49

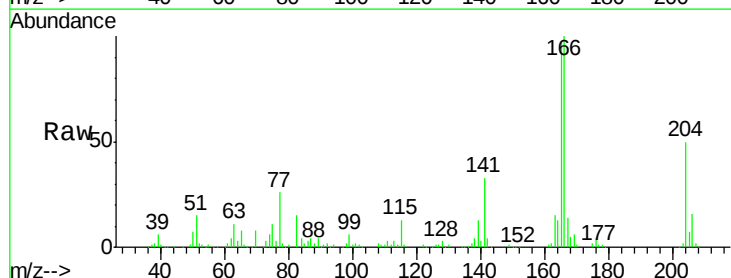
Tgt Ion:166 Resp: 384870

Ion Ratio Lower Upper

166 100

165 96.8 83.8 125.8

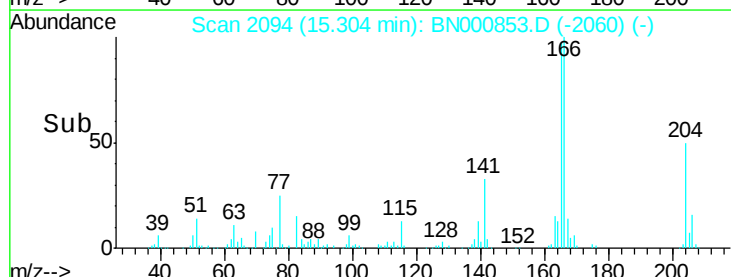
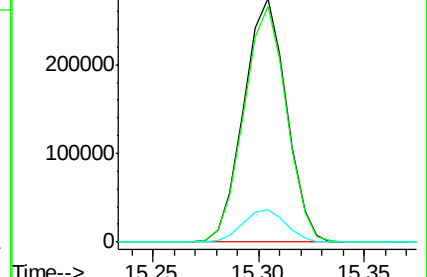
167 13.5 11.5 17.3

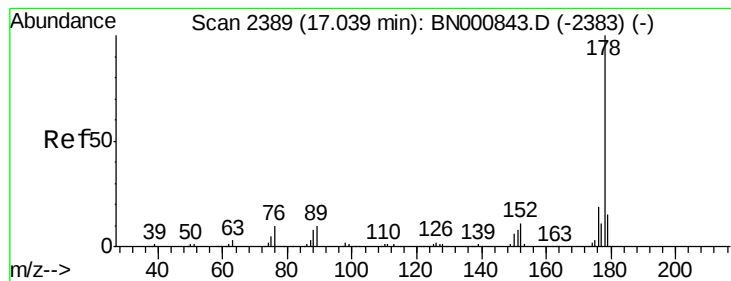


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 20.772 ng/ul

RT: 17.04 min Scan# 2389

Delta R.T. 0.00 min

Lab File: BN000853.D

Acq: 24 Apr 2018 16:49

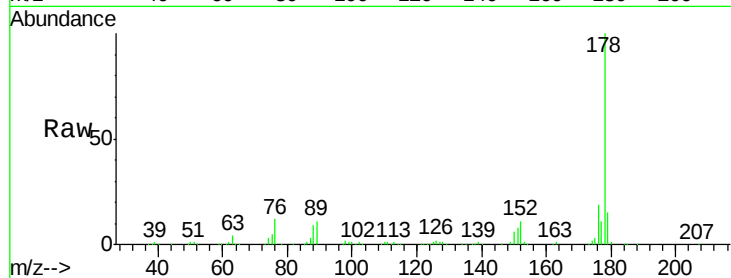
Instrument :

BNA_N

ClientSampled :

Tot Ion:178 Resp: 572103

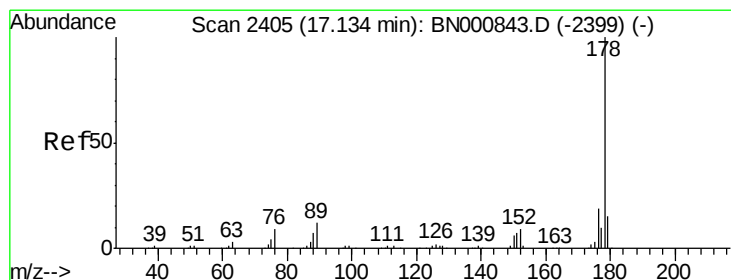
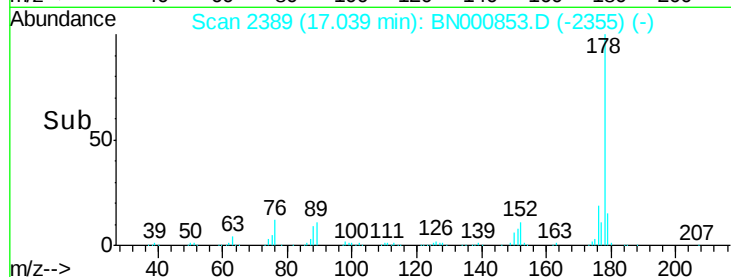
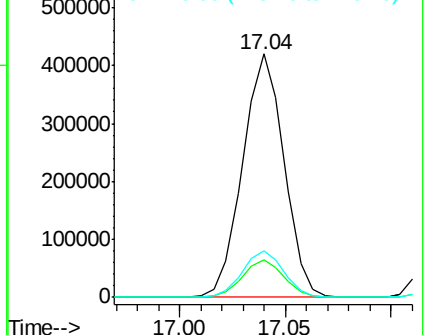
Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	19.1	15.1	22.7



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



#15

Anthracene

Concen: 20.869 ng/ul

RT: 17.13 min Scan# 2404

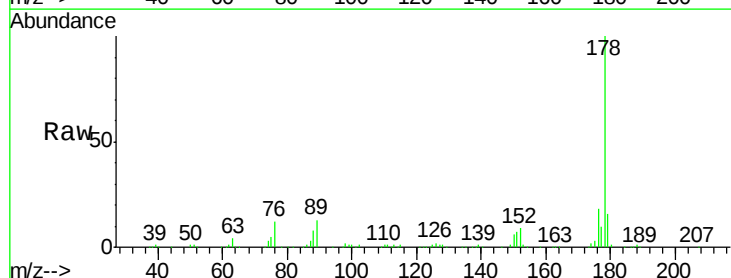
Delta R.T. -0.01 min

Lab File: BN000853.D

Acq: 24 Apr 2018 16:49

Tgt Ion:178 Resp: 576520

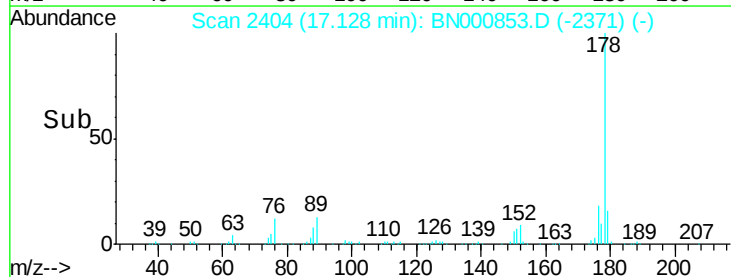
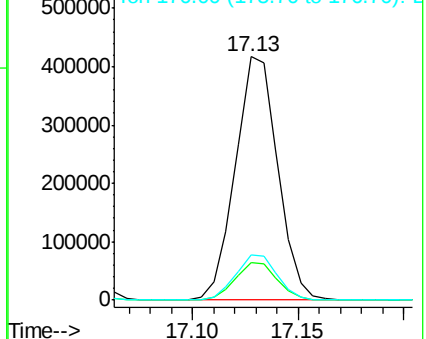
Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.8	17.8
176	18.5	15.2	22.8

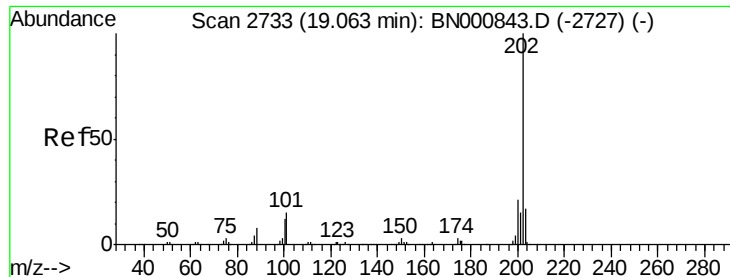


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

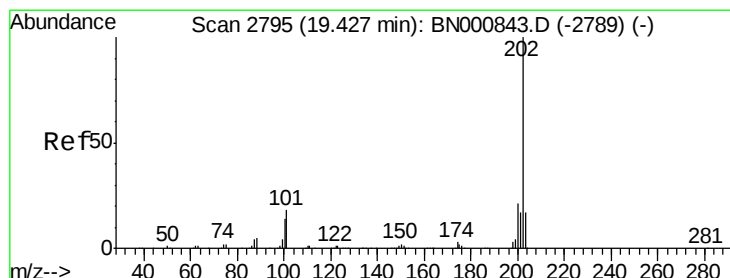
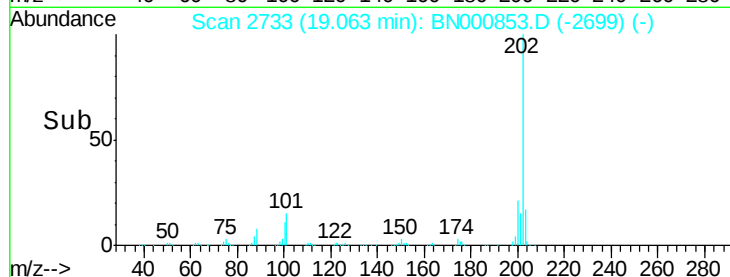
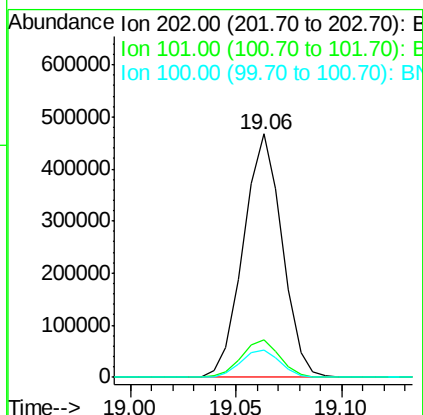
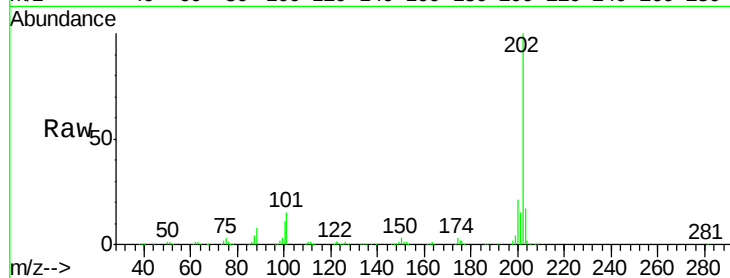




#16
Fluoranthene
Concen: 21.305 ng/ul
RT: 19.06 min Scan# 2733
Delta R.T. 0.00 min
Lab File: BN000853.D
Acq: 24 Apr 2018 16:49

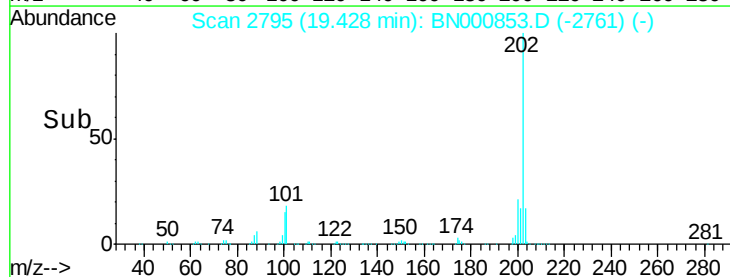
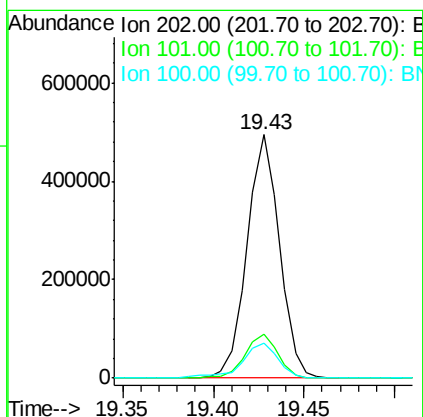
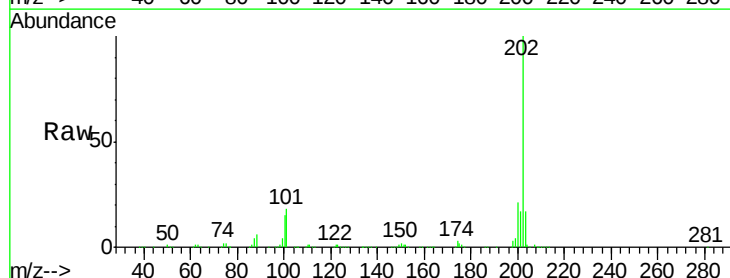
Instrument :
BNA_N
ClientSampleId :

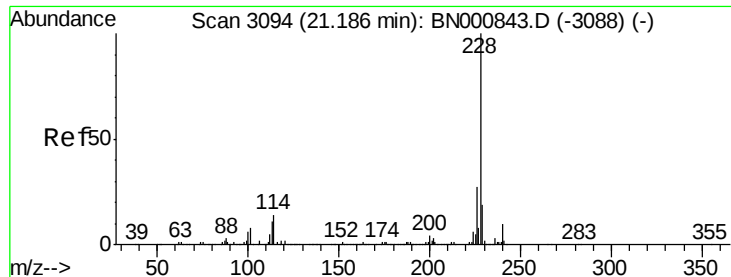
Tot Ion	Ratio	Lower	Upper
202	100		
101	15.2	9.9	14.9#
100	11.5	7.4	11.0#



#19
Pyrene
Concen: 20.433 ng/ul
RT: 19.43 min Scan# 2795
Delta R.T. 0.00 min
Lab File: BN000853.D
Acq: 24 Apr 2018 16:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.2	11.0	16.4#
100	14.6	8.1	12.1#

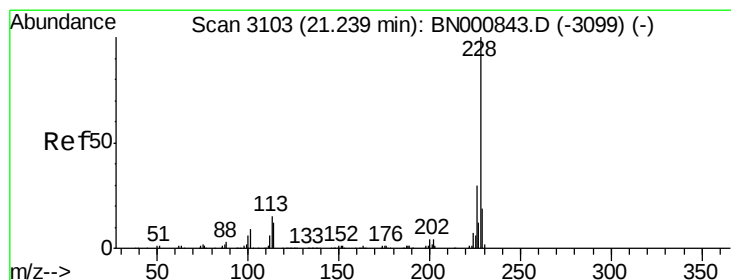
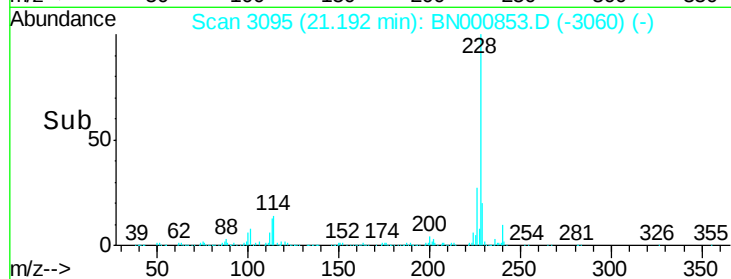
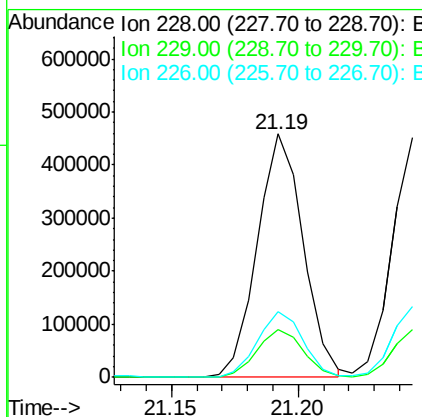
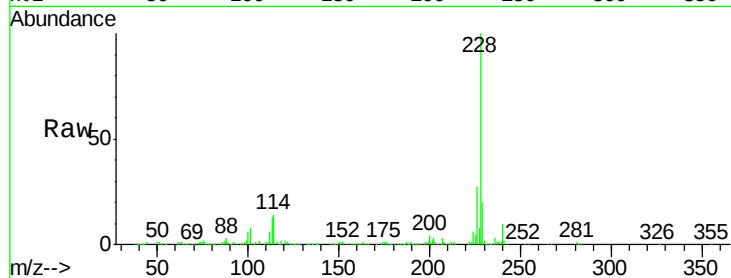




#20
Benzo(a)anthracene
Concen: 20.759 ng/ul
RT: 21.19 min Scan# 3095
Delta R.T. 0.01 min
Lab File: BN000853.D
Acq: 24 Apr 2018 16:49

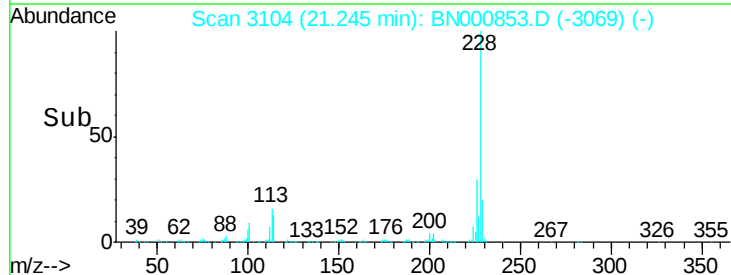
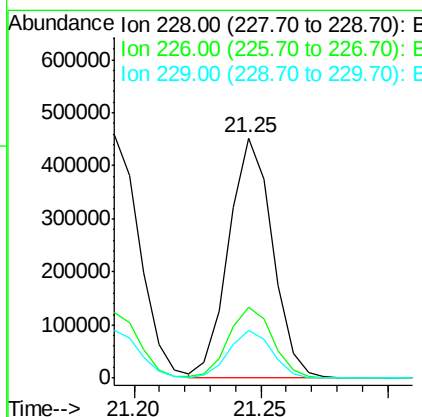
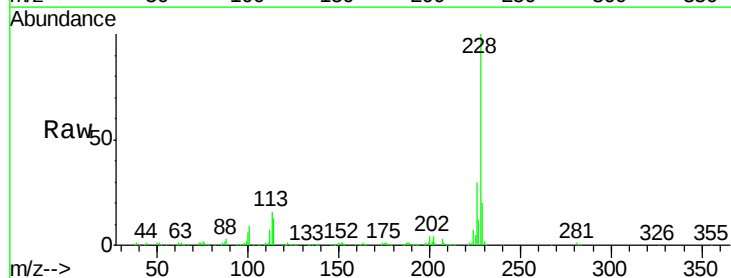
Instrument :
BNA_N
ClientSampleId :

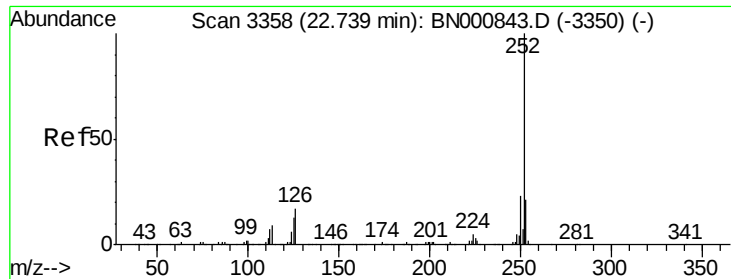
Tot Ion:228 Resp: 579356
Ion Ratio Lower Upper
228 100
229 19.6 15.7 23.5
226 26.8 21.1 31.7



#21
Chrysene
Concen: 20.570 ng/ul
RT: 21.25 min Scan# 3104
Delta R.T. 0.01 min
Lab File: BN000853.D
Acq: 24 Apr 2018 16:49

Tgt Ion:228 Resp: 539578
Ion Ratio Lower Upper
228 100
226 29.6 24.5 36.7
229 19.7 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 21.237 ng/ul

RT: 22.75 min Scan# 3360

Delta R.T. 0.01 min

Lab File: BN000853.D

Acq: 24 Apr 2018 16:49

Instrument :

BNA_N

ClientSampled :

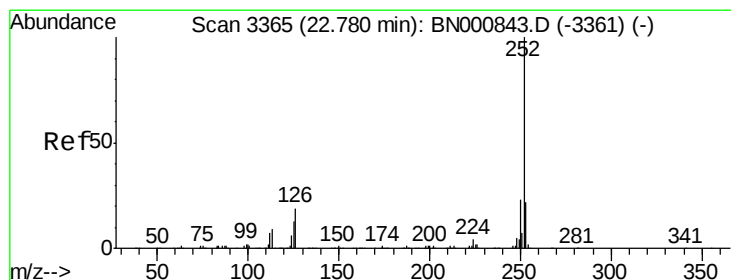
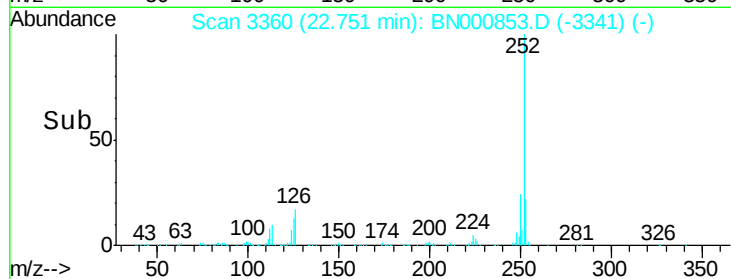
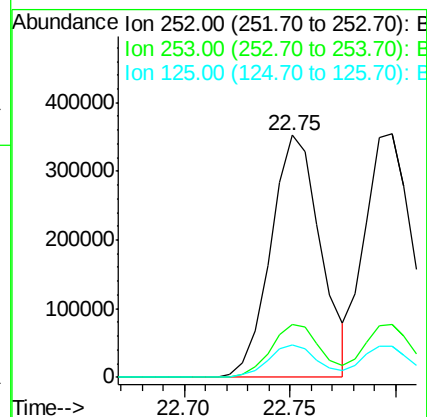
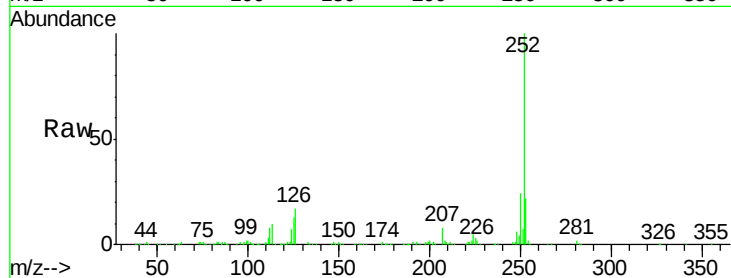
Tot Ion:252 Resp: 580766

Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

125 13.3 8.0 12.0#



#24

Benzo(k)fluoranthene

Concen: 21.631 ng/ul

RT: 22.80 min Scan# 3368

Delta R.T. 0.02 min

Lab File: BN000853.D

Acq: 24 Apr 2018 16:49

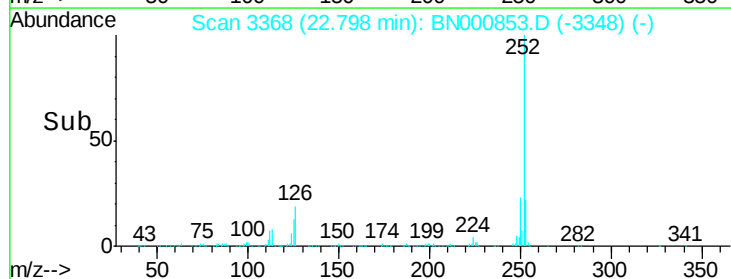
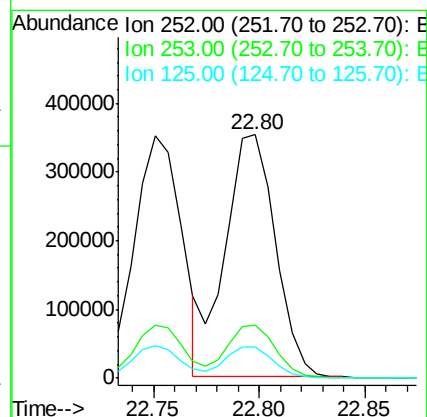
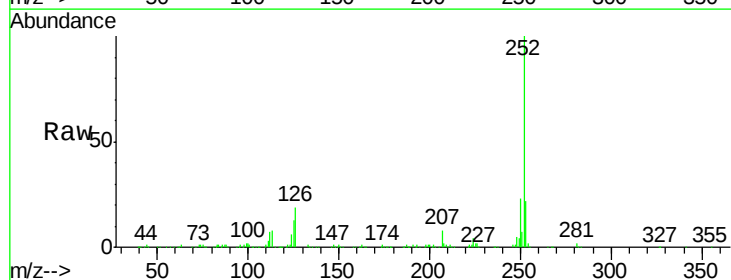
Tgt Ion:252 Resp: 578839

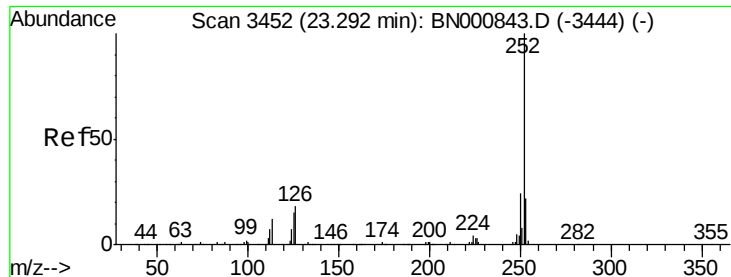
Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

125 12.9 8.1 12.1#





#26

Benzo(a)pyrene

Concen: 21.105 ng/u1

RT: 23.31 min Scan# 3455

Delta R.T. 0.02 min

Lab File: BN000853.D

Acq: 24 Apr 2018 16:49

Instrument :

BNA_N

ClientSampleId :

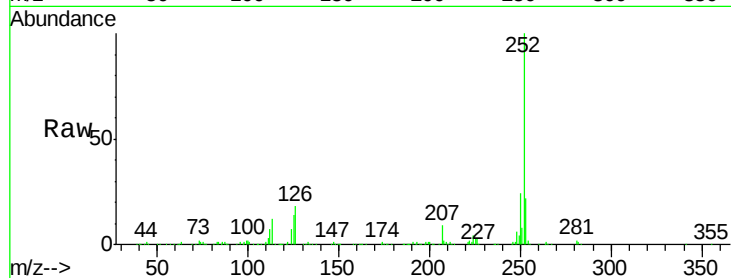
Tot Ion:252 Resp: 551582

Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

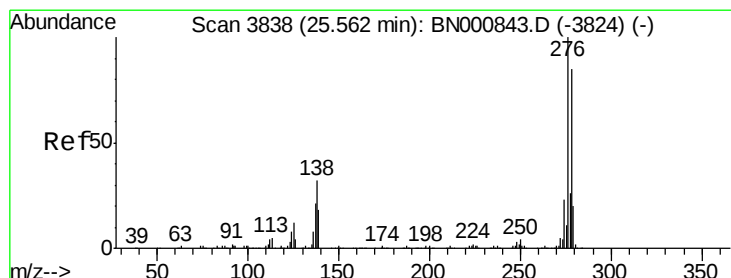
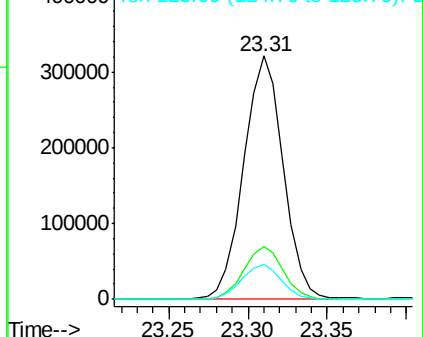
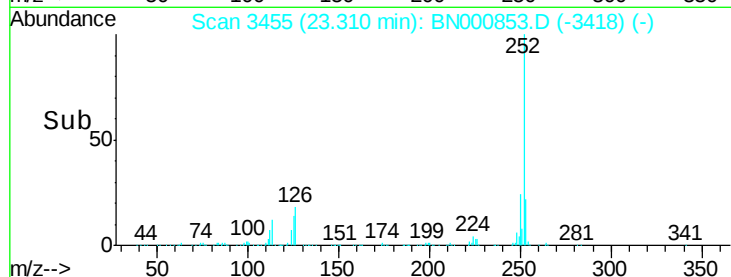
125 14.3 8.2 12.4#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 21.177 ng/u1

RT: 25.57 min Scan# 3840

Delta R.T. 0.01 min

Lab File: BN000853.D

Acq: 24 Apr 2018 16:49

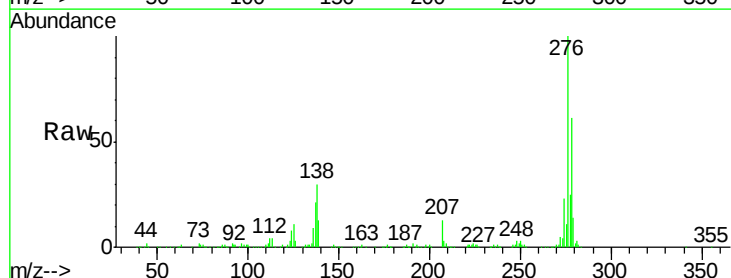
Tgt Ion:276 Resp: 668468

Ion Ratio Lower Upper

276 100

138 30.3 14.4 21.6#

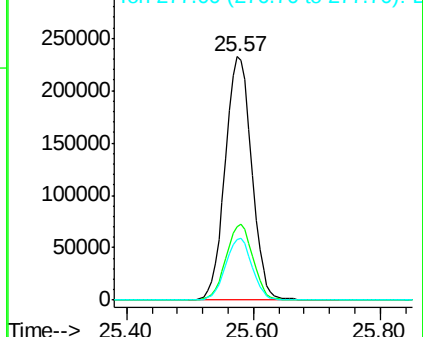
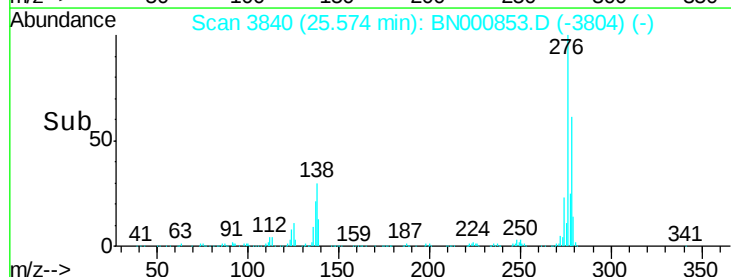
277 25.1 18.0 27.0

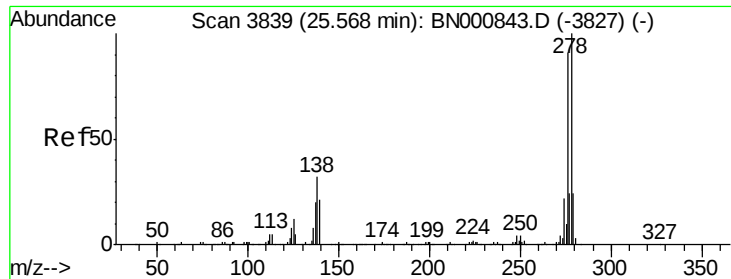


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 21.012 ng/ul

RT: 25.59 min Scan# 3843

Delta R.T. 0.02 min

Lab File: BN000853.D

Acq: 24 Apr 2018 16:49

Instrument :

BNA_N

ClientSampleId :

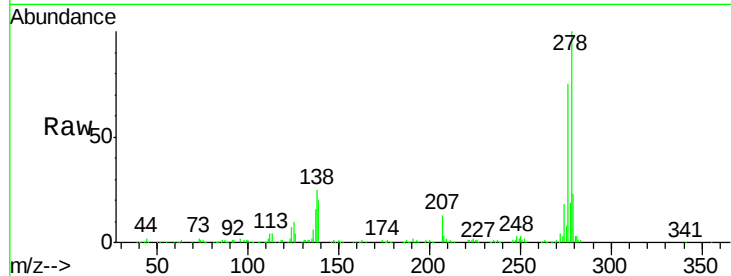
Tot Ion:278 Resp: 552803

Ion Ratio Lower Upper

278 100

139 20.1 12.2 18.4#

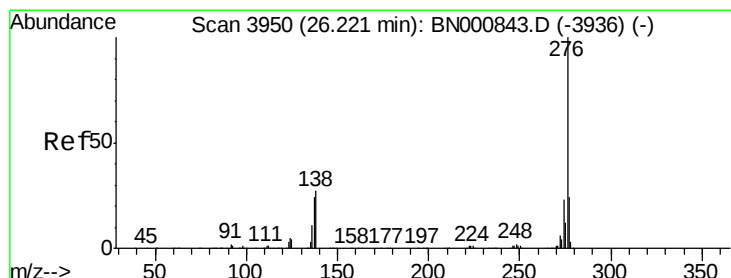
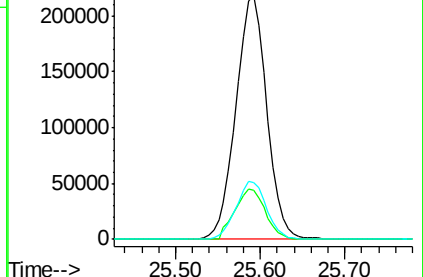
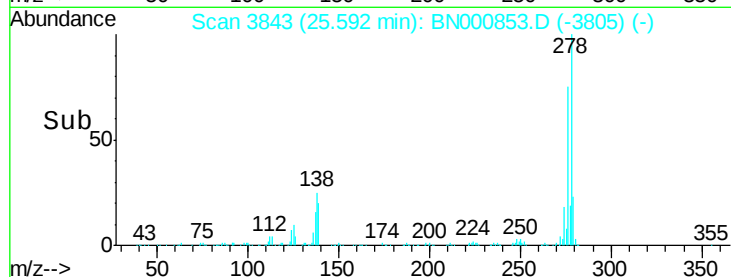
279 23.3 19.2 28.8



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



#29

Benzo(g,h,i)perylene

Concen: 20.843 ng/ul

RT: 26.24 min Scan# 3953

Delta R.T. 0.02 min

Lab File: BN000853.D

Acq: 24 Apr 2018 16:49

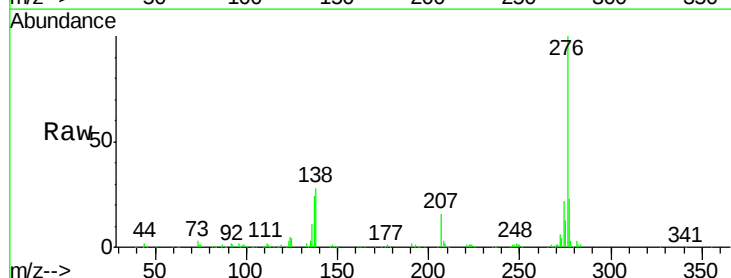
Tgt Ion:276 Resp: 550287

Ion Ratio Lower Upper

276 100

138 27.7 15.3 22.9#

277 23.1 19.0 28.4



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

