

Data Path : Z:\HPCHEM1\BNA N\DATA\BN050318\
 Data File : BN001110.D
 Acq On : 03 May 2018 16:49
 Operator : JU/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 04 07:35:41 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 04 07:31:58 2018
 Response via : Initial Calibration

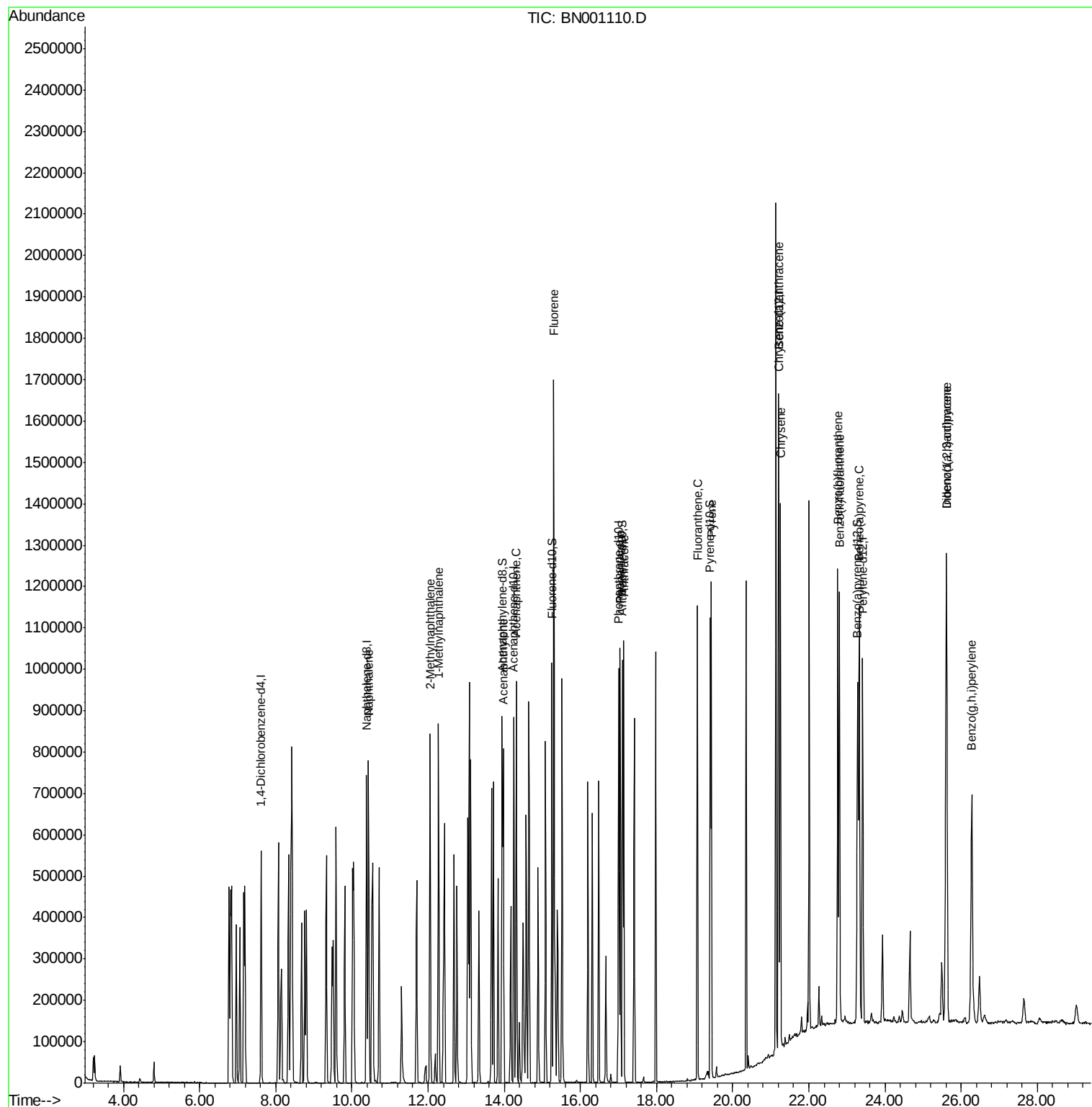
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	137679	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	569561	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	278271	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	530120	20.00	ng/ul	0.00
17) Chrysene-d12	21.22	240	489290	20.00	ng/ul	0.00
22) Perylene-d12	23.42	264	528200	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	13.95	160	565803	21.17	ng/ul	0.00
10) Fluorene-d10	15.25	176	359690	20.16	ng/ul	0.00
14) Anthracene-d10	17.10	188	504213	20.80	ng/ul	0.00
18) Pyrene-d10	19.41	212	504893	20.14	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.28	264	522316	20.93	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.43	128	586689	20.438	ng/ul	100
4) 2-Methylnaphthalene	12.05	142	381986	19.945	ng/ul	98
5) 1-Methylnaphthalene	12.28	142	375351	19.981	ng/ul#	95
8) Acenaphthylene	13.97	152	551788	20.861	ng/ul	99
9) Acenaphthene	14.32	153	375261	20.534	ng/ul	96
11) Fluorene	15.31	166	397751	20.445	ng/ul	93
13) Phenanthrene	17.05	178	583431	20.179	ng/ul	99
15) Anthracene	17.14	178	599419	20.669	ng/ul	99
16) Fluoranthene	19.07	202	620484	21.152	ng/ul#	94
19) Pyrene	19.44	202	622905	19.820	ng/ul#	88
20) Benzo(a)anthracene	21.20	228	601818	20.576	ng/ul	99
21) Chrysene	21.25	228	562679	20.468	ng/ul	99
23) Benzo(b)fluoranthene	22.76	252	608129	20.259	ng/ul#	97
24) Benzo(k)fluoranthene	22.80	252	591293	20.130	ng/ul#	97
26) Benzo(a)pyrene	23.32	252	584205	20.364	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	25.61	276	718055	20.723	ng/ul#	84
28) Dibenzo(a,h)anthracene	25.62	278	596518	20.656	ng/ul#	96
29) Benzo(a,h,i)perylene	26.27	276	599242	20.678	ng/ul#	93

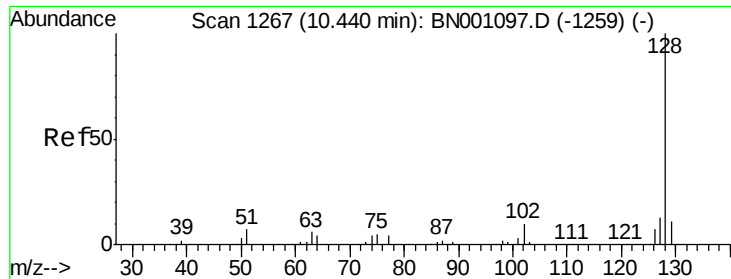
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 20.438 ng/ul

RT: 10.43 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BN001110.D

Acq: 03 May 2018 16:49

Instrument :

BNA_N

ClientSampled :

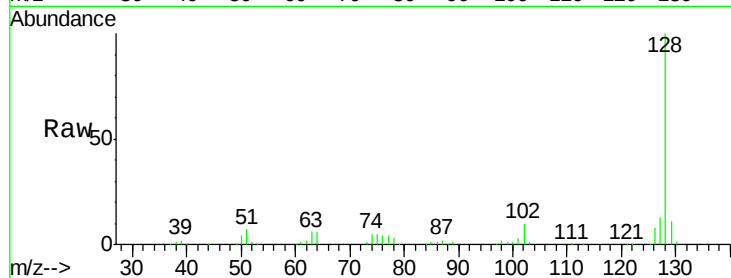
Tot Ion:128 Resp: 586689

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

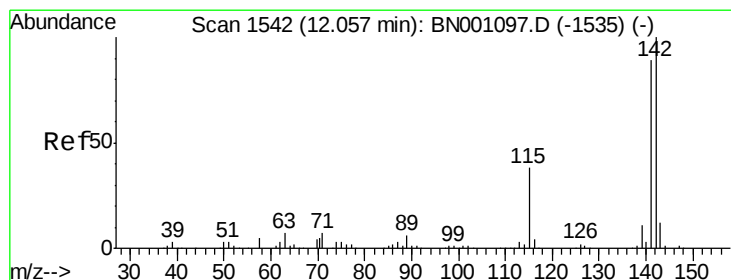
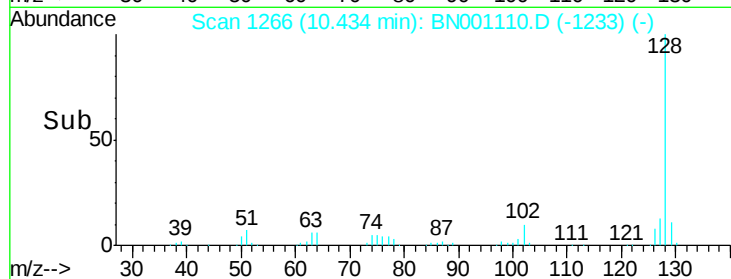
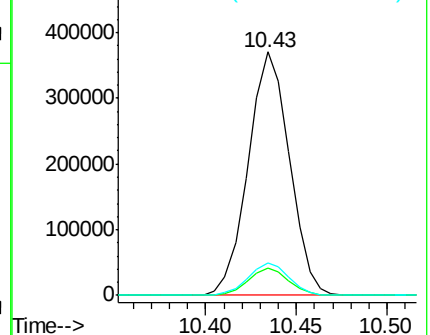
127 13.3 10.6 16.0



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: 19.945 ng/ul

RT: 12.05 min Scan# 1541

Delta R.T. -0.01 min

Lab File: BN001110.D

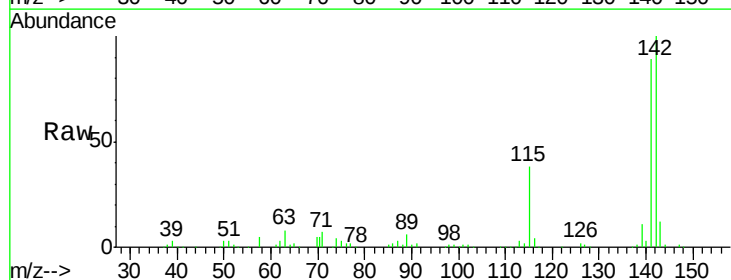
Acq: 03 May 2018 16:49

Tgt Ion:142 Resp: 381986

Ion Ratio Lower Upper

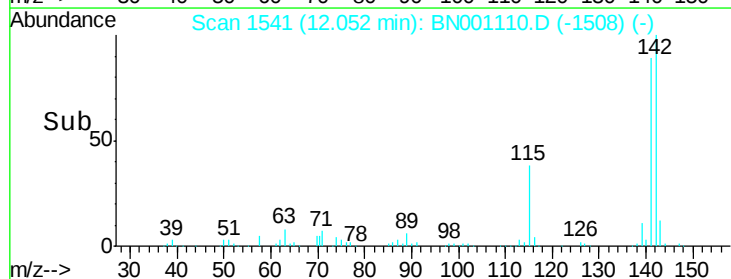
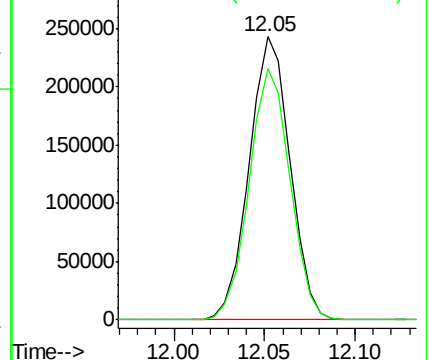
142 100

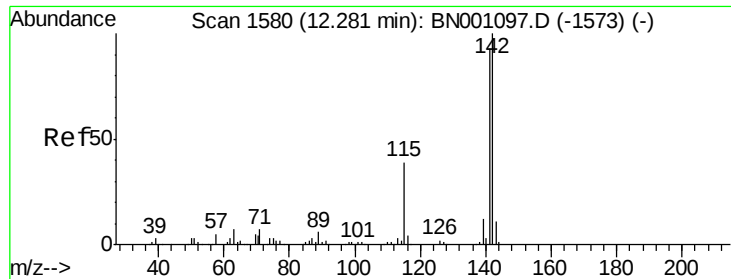
141 88.9 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 19.981 ng/ul

RT: 12.28 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BN001110.D

Acq: 03 May 2018 16:49

Instrument :

BNA_N

ClientSampleId :

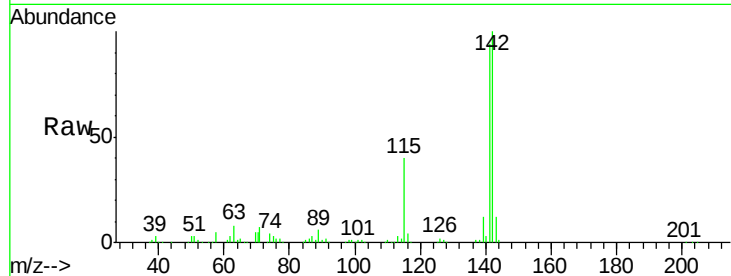
Tot Ion:142 Resp: 375351

Ion Ratio Lower Upper

142 100

141 93.8 79.3 118.9

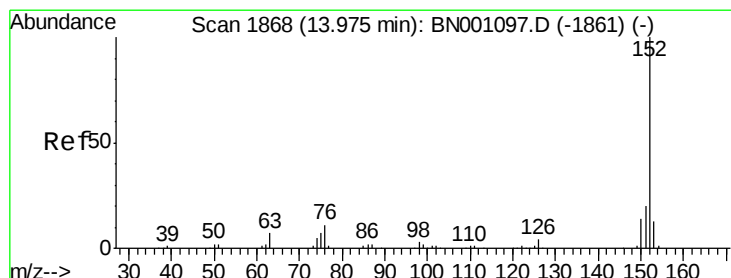
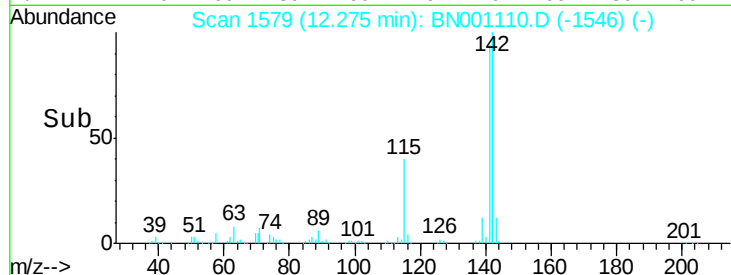
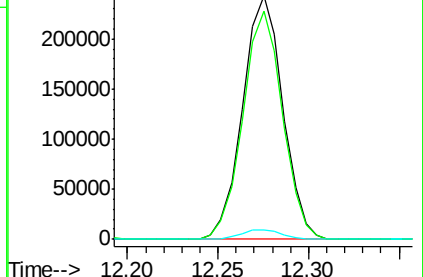
116 4.0 4.2 6.2#



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: 20.861 ng/ul

RT: 13.97 min Scan# 1868

Delta R.T. 0.00 min

Lab File: BN001110.D

Acq: 03 May 2018 16:49

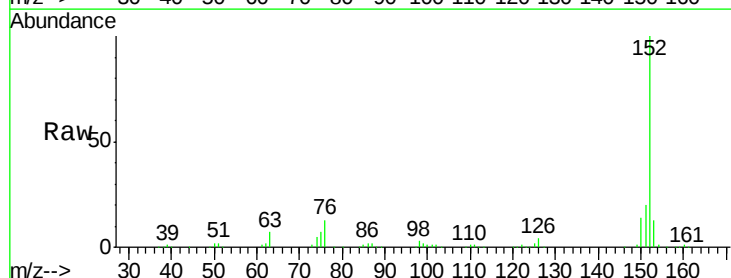
Tgt Ion:152 Resp: 551788

Ion Ratio Lower Upper

152 100

151 20.2 16.7 25.1

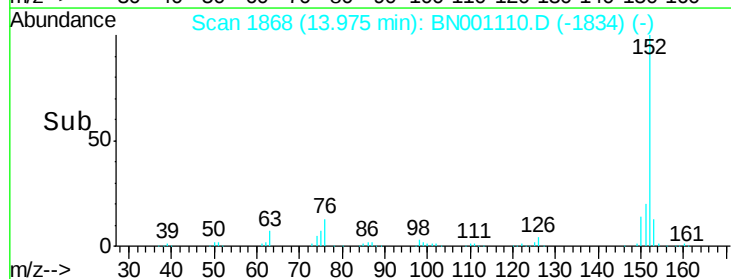
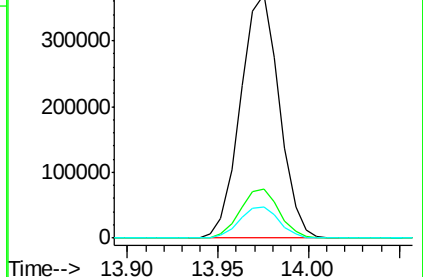
153 13.0 10.2 15.4

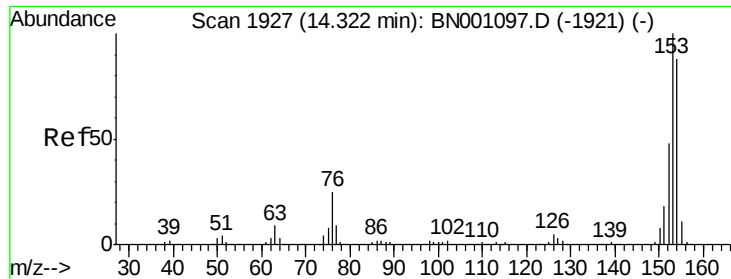


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.534 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BN001110.D

Acq: 03 May 2018 16:49

Instrument :

BNA_N

ClientSampleId :

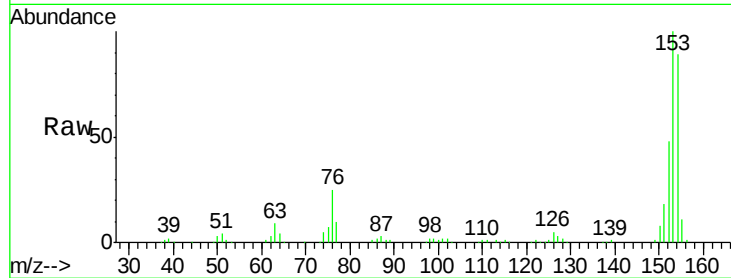
Tot Ion:153 Resp: 375261

Ion Ratio Lower Upper

153 100

152 47.6 39.0 58.6

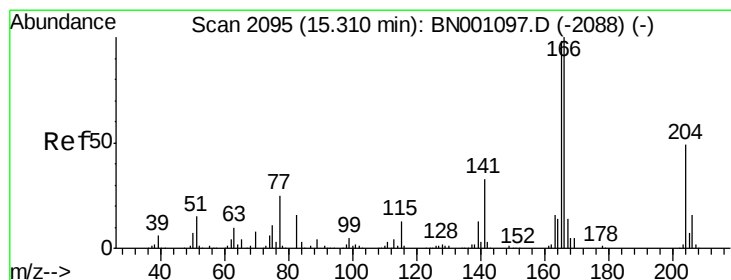
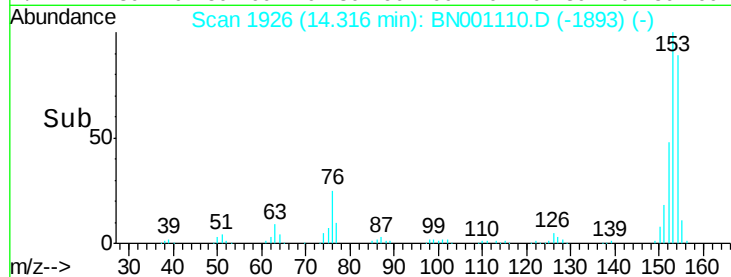
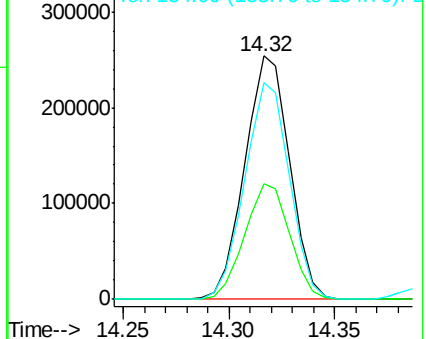
154 89.0 66.8 100.2



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: 20.445 ng/ul

RT: 15.31 min Scan# 2095

Delta R.T. 0.00 min

Lab File: BN001110.D

Acq: 03 May 2018 16:49

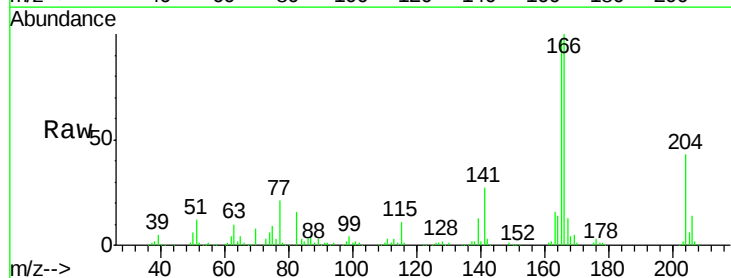
Tgt Ion:166 Resp: 397751

Ion Ratio Lower Upper

166 100

165 97.4 83.8 125.8

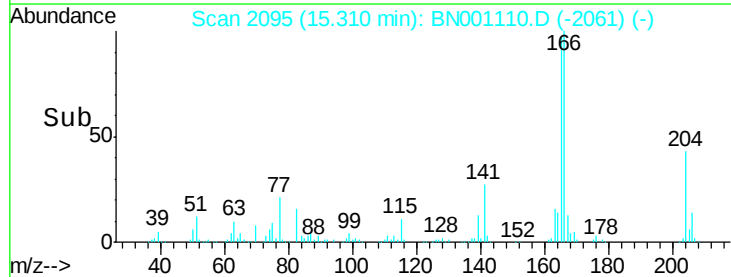
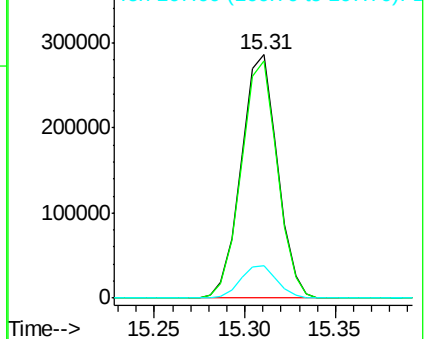
167 13.4 11.5 17.3

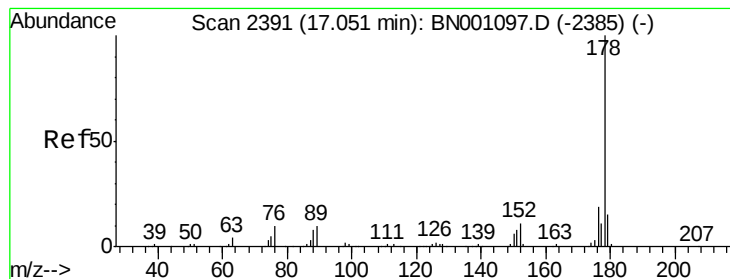


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 20.179 ng/ul

RT: 17.05 min Scan# 2390

Delta R.T. -0.01 min

Lab File: BN001110.D

Acq: 03 May 2018 16:49

Instrument :

BNA_N

ClientSampleId :

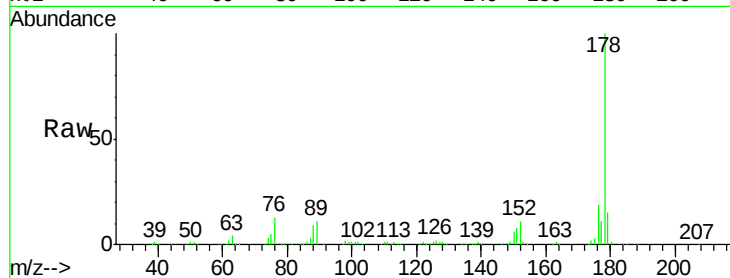
Tot Ion:178 Resp: 583431

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

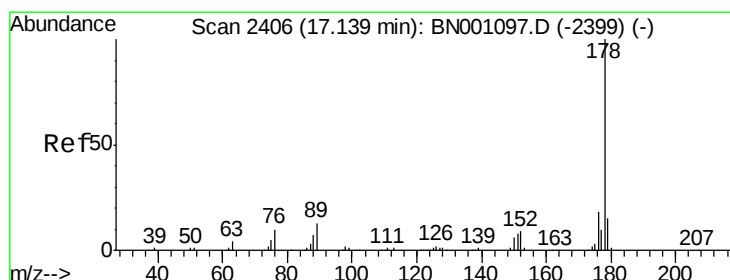
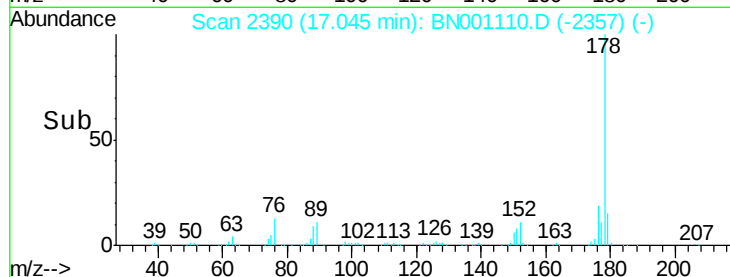
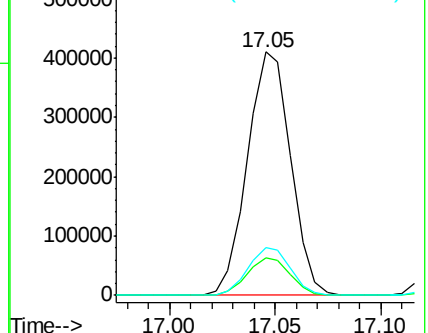
176 19.4 15.1 22.7



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: 20.669 ng/ul

RT: 17.14 min Scan# 2406

Delta R.T. 0.00 min

Lab File: BN001110.D

Acq: 03 May 2018 16:49

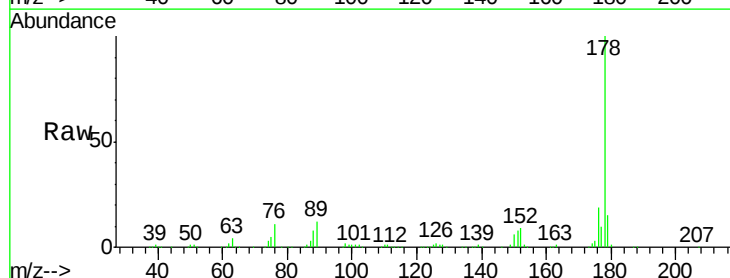
Tgt Ion:178 Resp: 599419

Ion Ratio Lower Upper

178 100

179 15.4 11.8 17.8

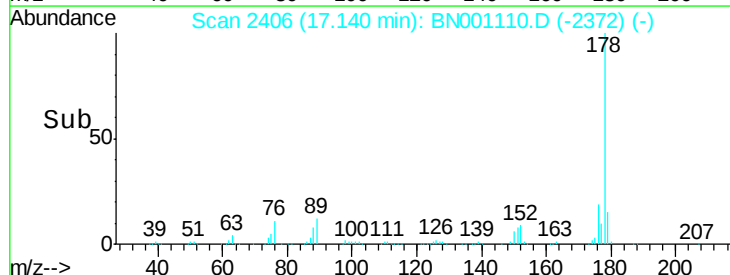
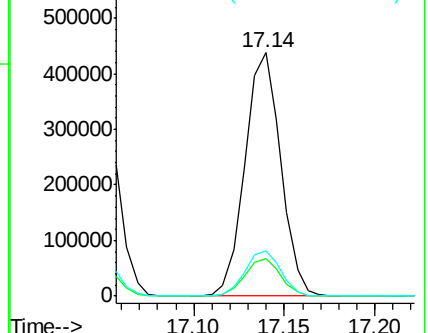
176 18.6 15.2 22.8

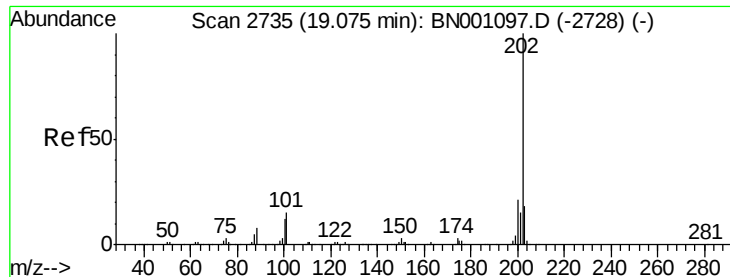


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

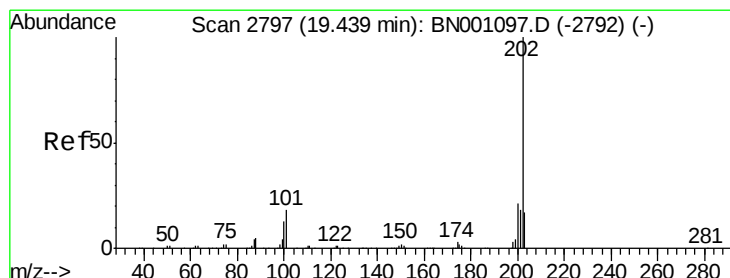
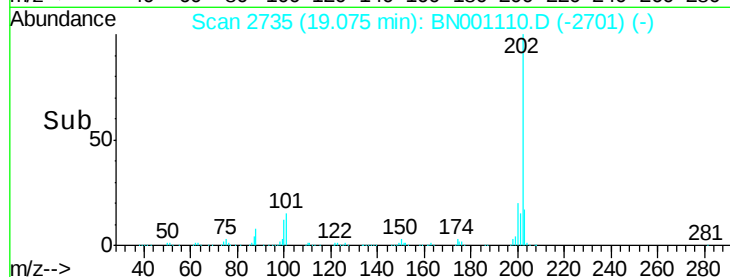
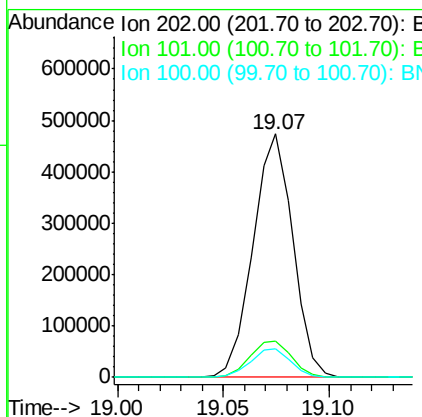
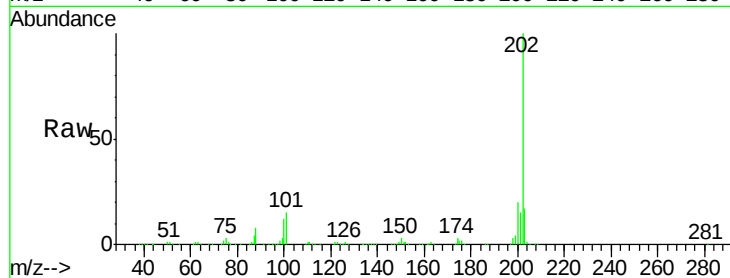




#16
 Fluoranthene
 Concen: 21.152 ng/ul
 RT: 19.07 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: BN001110.D
 Acq: 03 May 2018 16:49

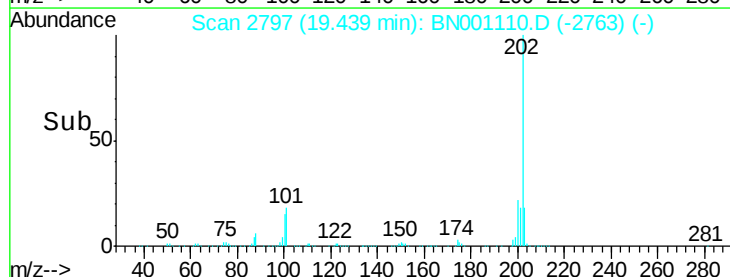
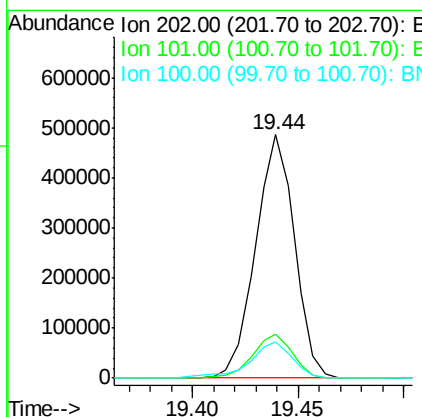
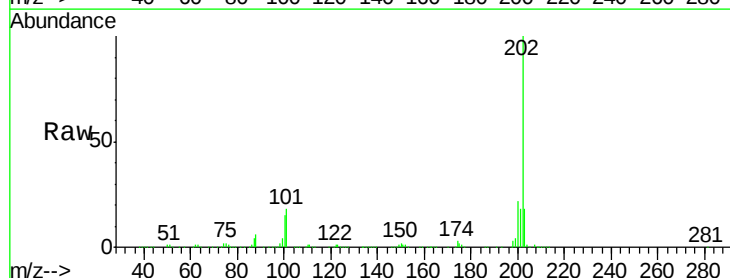
Instrument :
 BNA_N
 ClientSampleId :

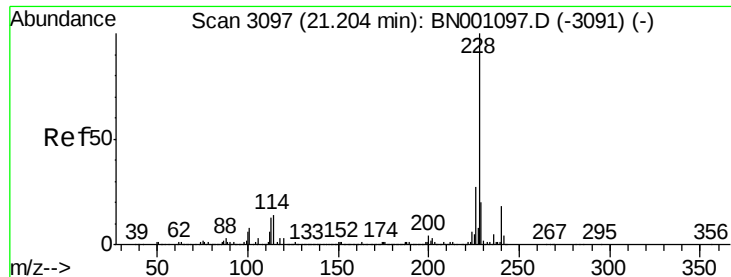
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.9	9.9	14.9#
100	11.6	7.4	11.0#



#19
 Pyrene
 Concen: 19.820 ng/ul
 RT: 19.44 min Scan# 2797
 Delta R.T. 0.00 min
 Lab File: BN001110.D
 Acq: 03 May 2018 16:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.1	11.0	16.4#
100	14.8	8.1	12.1#

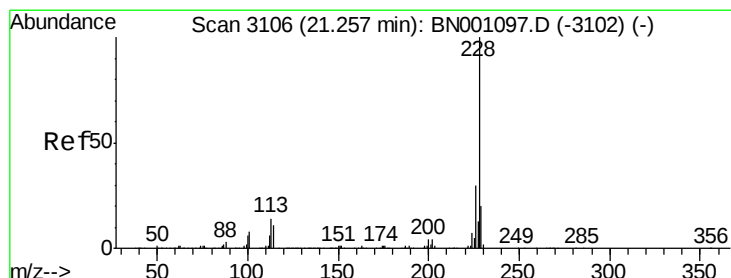
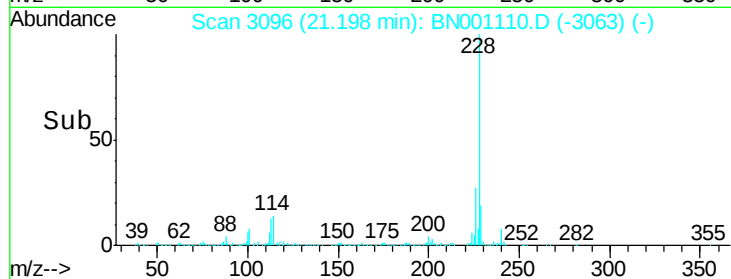
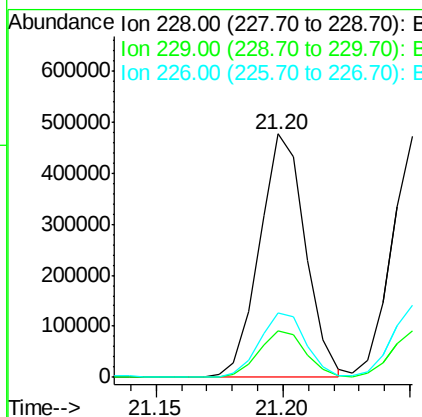
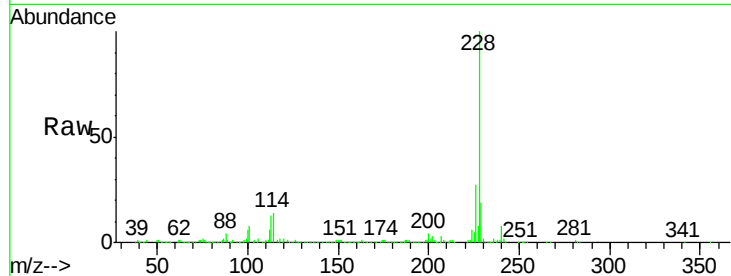




#20
Benzo(a)anthracene
Concen: 20.576 ng/ul
RT: 21.20 min Scan# 3096
Delta R.T. -0.01 min
Lab File: BN001110.D
Acq: 03 May 2018 16:49

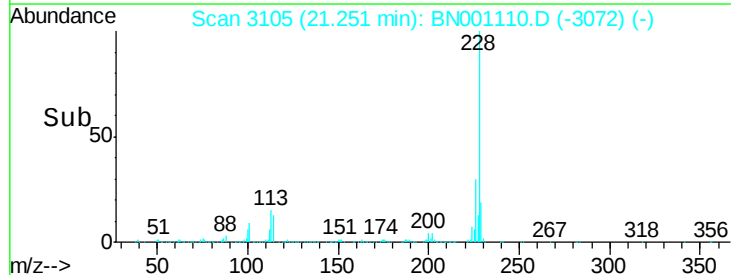
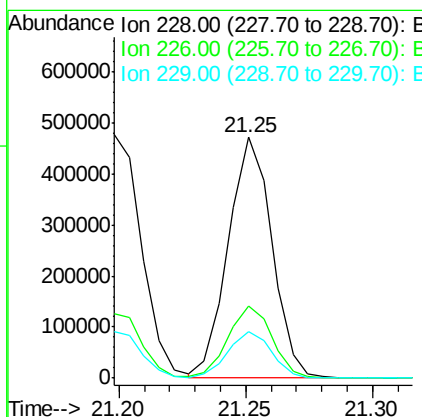
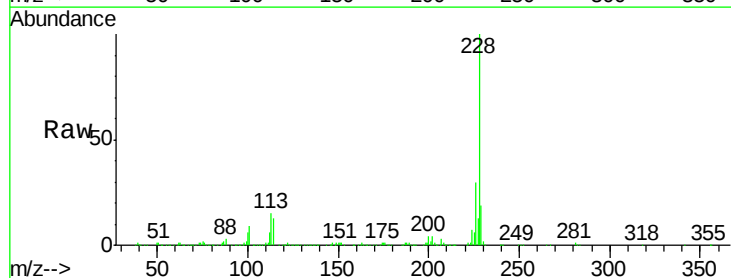
Instrument :
BNA_N
ClientSampleId :

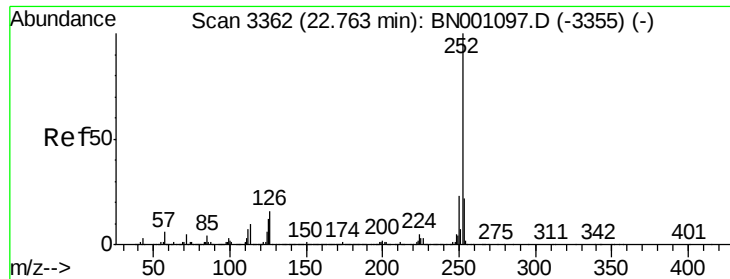
Tot Ion:228 Resp: 601818
Ion Ratio Lower Upper
228 100
229 19.3 15.7 23.5
226 26.7 21.1 31.7



#21
Chrysene
Concen: 20.468 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BN001110.D
Acq: 03 May 2018 16:49

Tgt Ion:228 Resp: 562679
Ion Ratio Lower Upper
228 100
226 30.1 24.5 36.7
229 19.5 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 20.259 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. 0.00 min

Lab File: BN001110.D

Acq: 03 May 2018 16:49

Instrument :

BNA_N

ClientSampleId :

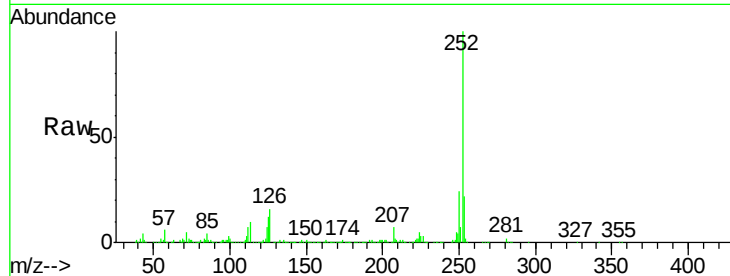
Tot Ion:252 Resp: 608129

Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

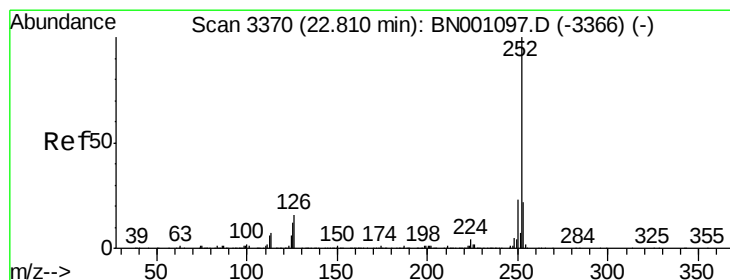
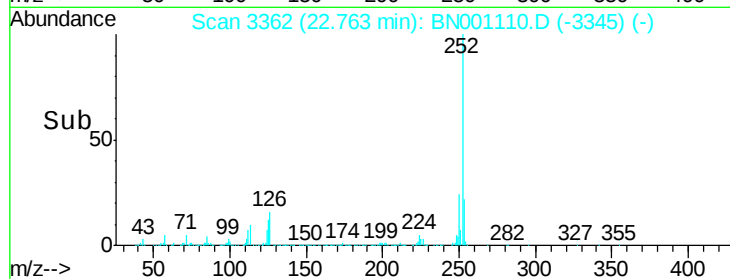
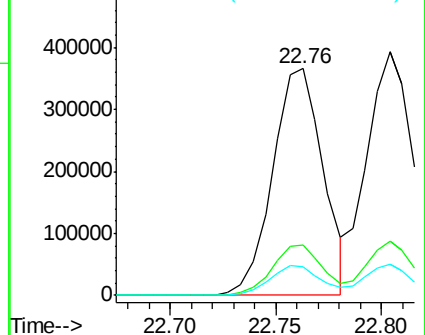
125 12.4 8.0 12.0#



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



#24

Benzo(k)fluoranthene

Concen: 20.130 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. -0.01 min

Lab File: BN001110.D

Acq: 03 May 2018 16:49

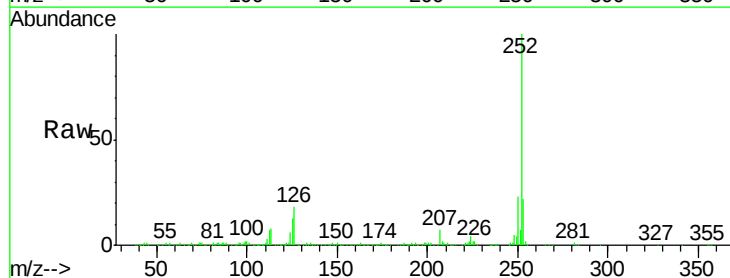
Tgt Ion:252 Resp: 591293

Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

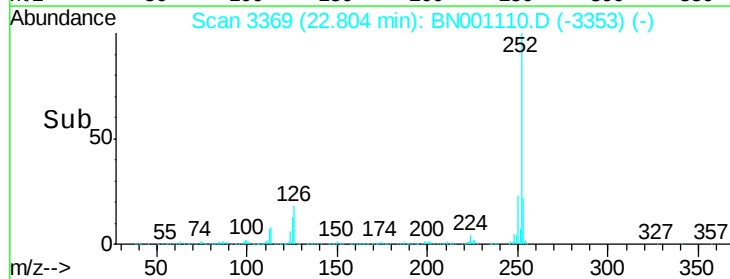
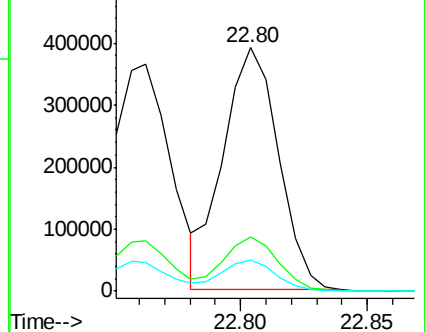
125 12.9 8.1 12.1#

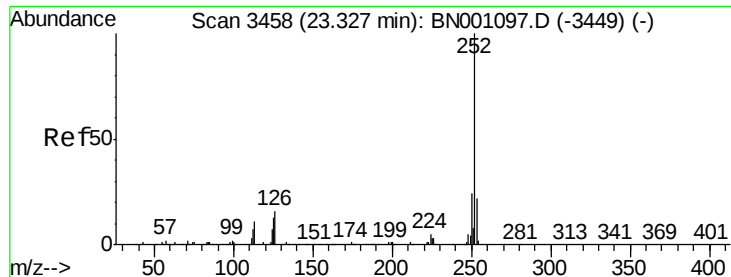


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 20.364 ng/ul

RT: 23.32 min Scan# 3457

Delta R.T. -0.01 min

Lab File: BN001110.D

Acq: 03 May 2018 16:49

Instrument :

BNA_N

ClientSampleId :

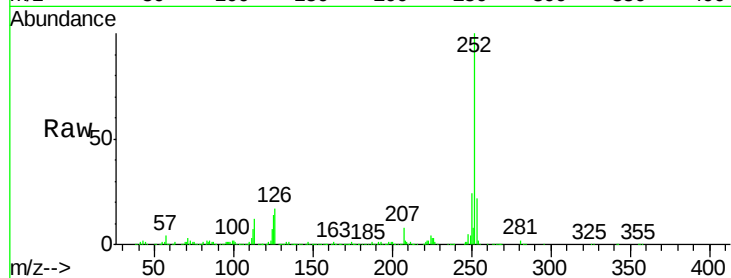
Tot Ion:252 Resp: 584205

Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

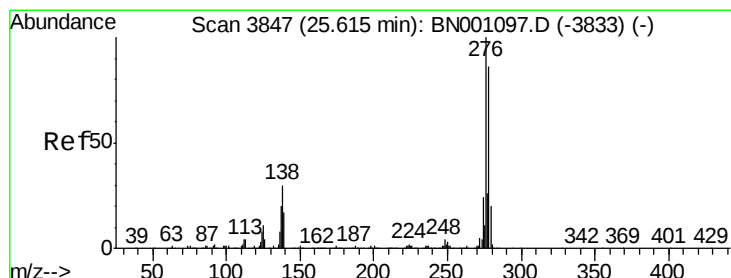
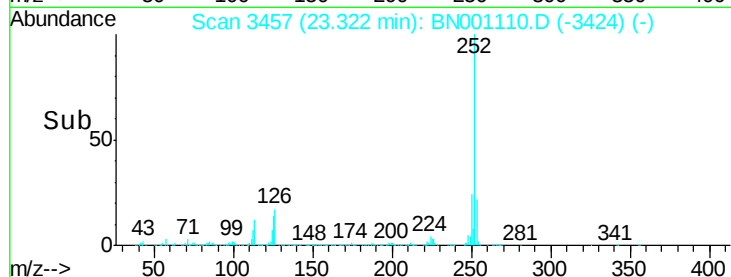
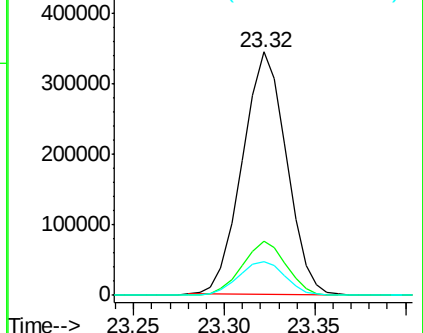
125 13.8 8.2 12.4#



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: 20.723 ng/ul

RT: 25.61 min Scan# 3846

Delta R.T. -0.01 min

Lab File: BN001110.D

Acq: 03 May 2018 16:49

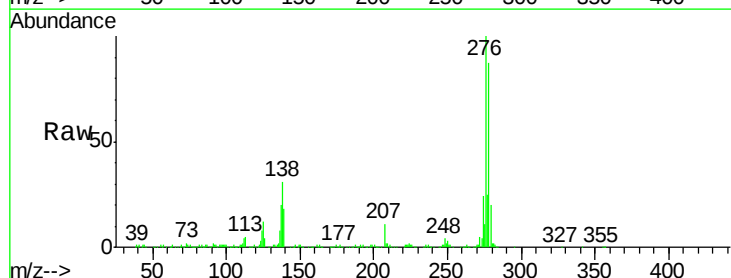
Tgt Ion:276 Resp: 718055

Ion Ratio Lower Upper

276 100

138 30.7 14.4 21.6#

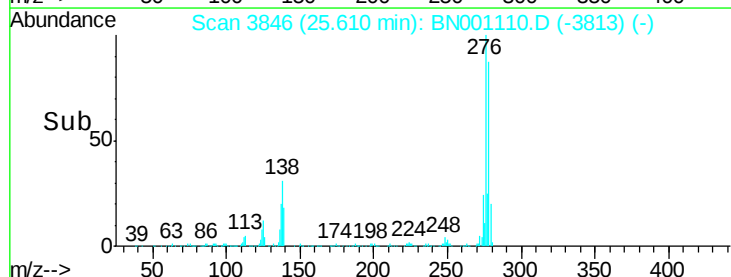
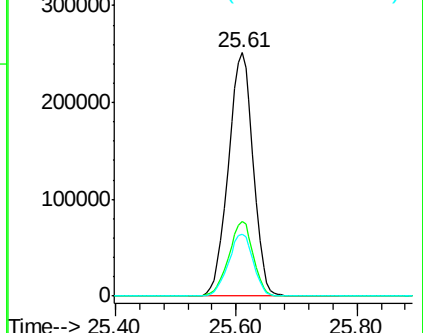
277 25.3 18.0 27.0

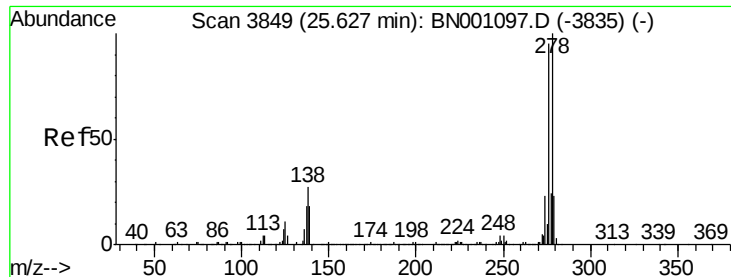


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



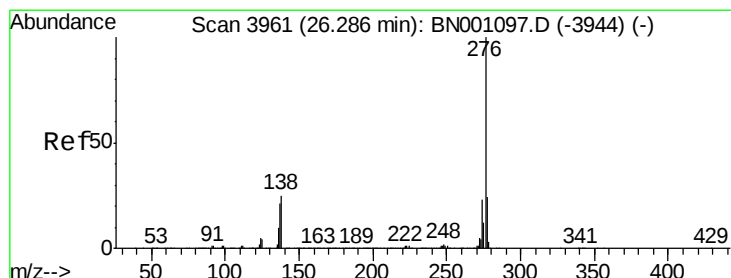
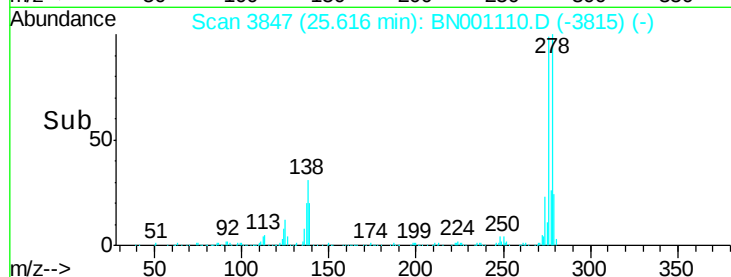
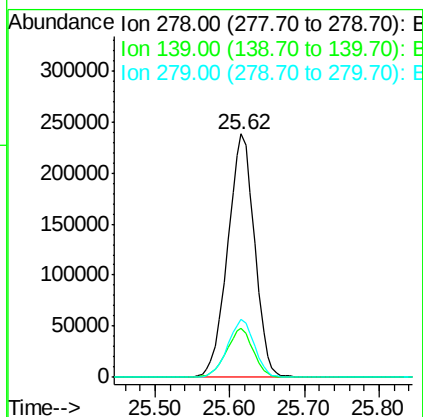
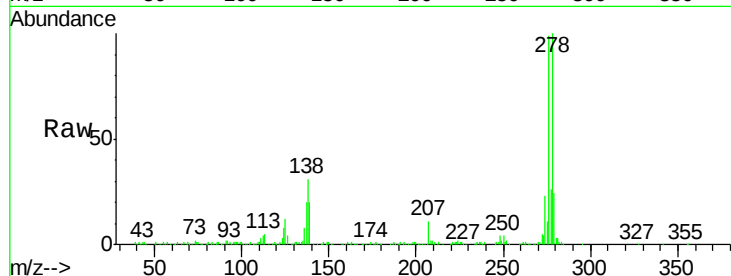


#28

Dibenzo(a,h)anthracene
 Concen: 20.656 ng/ul
 RT: 25.62 min Scan# 3847
 Delta R.T. -0.01 min
 Lab File: BN001110.D
 Acq: 03 May 2018 16:49

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.0	12.2	18.4#
279	24.0	19.2	28.8



#29

Benzo(g,h,i)perylene
 Concen: 20.678 ng/ul
 RT: 26.27 min Scan# 3959
 Delta R.T. -0.01 min
 Lab File: BN001110.D
 Acq: 03 May 2018 16:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.5	15.3	22.9#
277	23.8	19.0	28.4

