

Data Path : Z:\HPCHEM1\BNA N\DATA\BN050318\
 Data File : BN001122.D
 Acq On : 03 May 2018 23:52
 Operator : JU/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 04 08:07:42 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 04 08:04:57 2018
 Response via : Initial Calibration

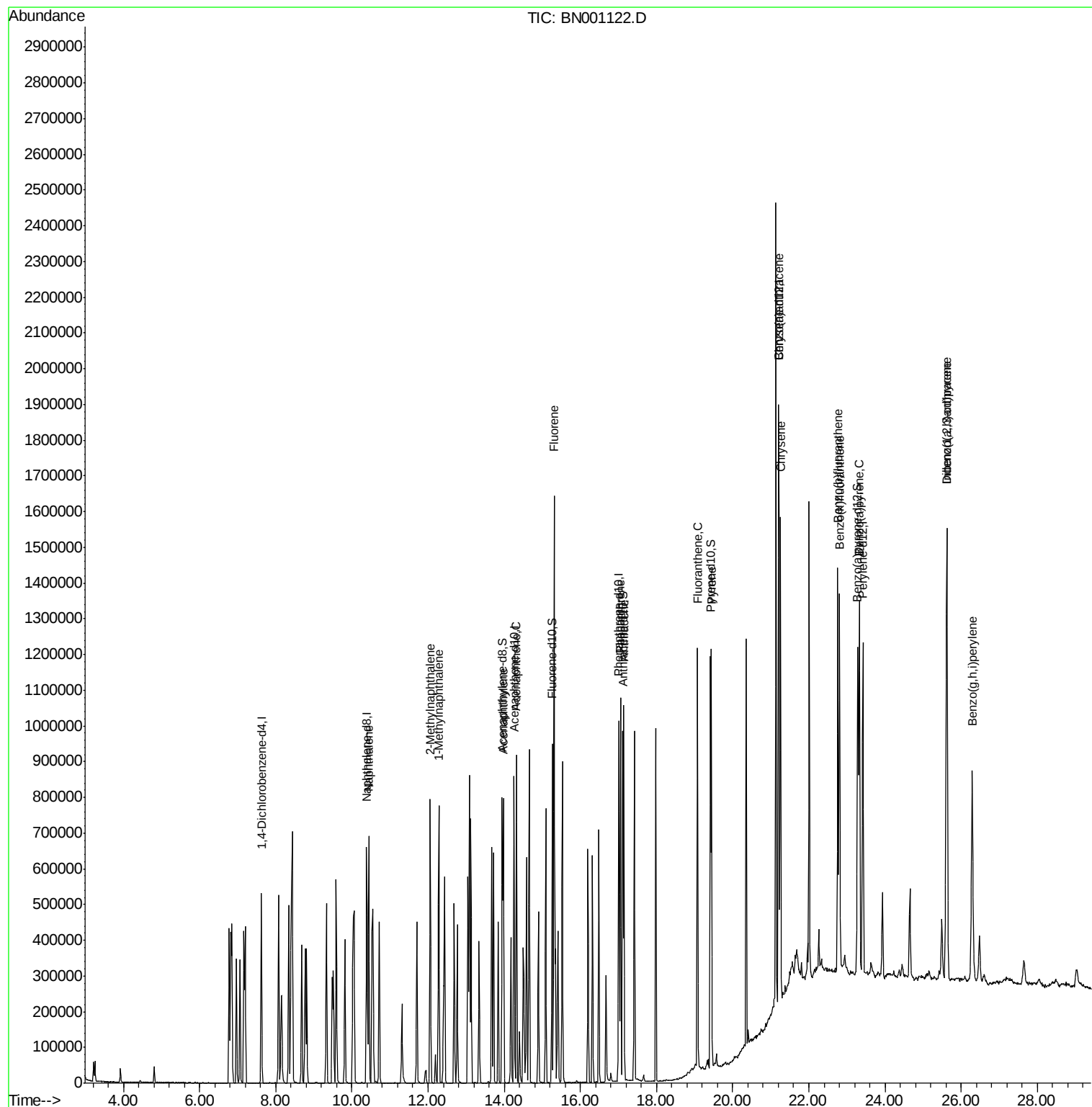
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	129537	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	517567	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	258098	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.01	188	529430	20.00	ng/ul	0.00
17) Chrysene-d12	21.22	240	529670	20.00	ng/ul	0.00
22) Perylene-d12	23.42	264	586506	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	13.95	160	525075	21.18	ng/ul	0.00
10) Fluorene-d10	15.26	176	339905	20.54	ng/ul	0.00
14) Anthracene-d10	17.11	188	511880	21.14	ng/ul	0.00
18) Pyrene-d10	19.41	212	539562	19.88	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.28	264	570921	20.61	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	531013	20.357	ng/ul	100
4) 2-Methylnaphthalene	12.06	142	347276	19.954	ng/ul	99
5) 1-Methylnaphthalene	12.28	142	343176	20.104	ng/ul#	92
8) Acenaphthylene	13.97	152	513922	20.948	ng/ul	98
9) Acenaphthene	14.32	153	346141	20.421	ng/ul	95
11) Fluorene	15.31	166	376521	20.866	ng/ul	93
13) Phenanthrene	17.05	178	582980	20.189	ng/ul	99
15) Anthracene	17.15	178	603919	20.851	ng/ul	99
16) Fluoranthene	19.07	202	658609	22.481	ng/ul#	92
19) Pyrene	19.45	202	656178	19.287	ng/ul#	91
20) Benzo(a)anthracene	21.20	228	659349	20.824	ng/ul	99
21) Chrysene	21.26	228	605052	20.331	ng/ul	99
23) Benzo(b)fluoranthene	22.76	252	673215	20.198	ng/ul#	97
24) Benzo(k)fluoranthene	22.81	252	665914	20.417	ng/ul	97
26) Benzo(a)pyrene	23.33	252	645829	20.274	ng/ul#	97
27) Indeno(1,2,3-cd)pyrene	25.62	276	785761	20.423	ng/ul#	86
28) Dibenzo(a,h)anthracene	25.62	278	657410	20.502	ng/ul#	96
29) Benzo(g,h,i)perylene	26.29	276	658788	20.472	ng/ul#	94

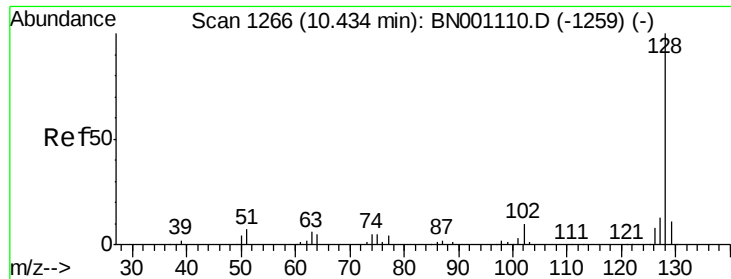
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Naphthalene

Concen: 20.357 ng/ul

RT: 10.44 min Scan# 1267

Delta R.T. 0.01 min

Lab File: BN001122.D

Acq: 03 May 2018 23:52

Instrument :

BNA_N

ClientSampleId :

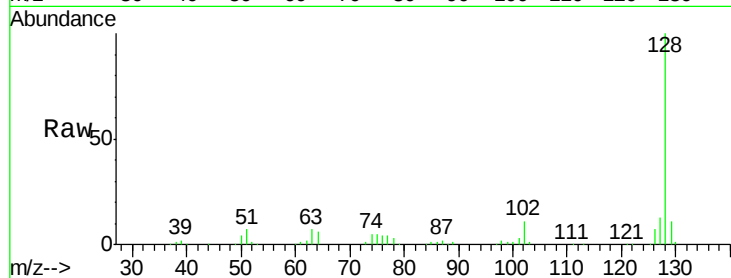
Tot Ion:128 Resp: 531013

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

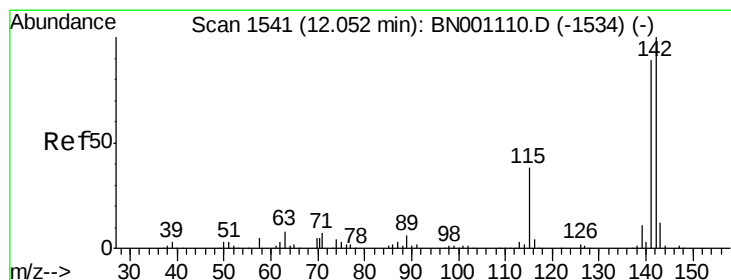
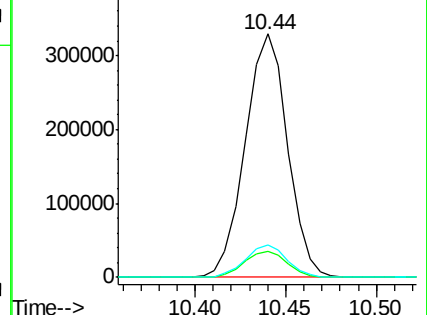
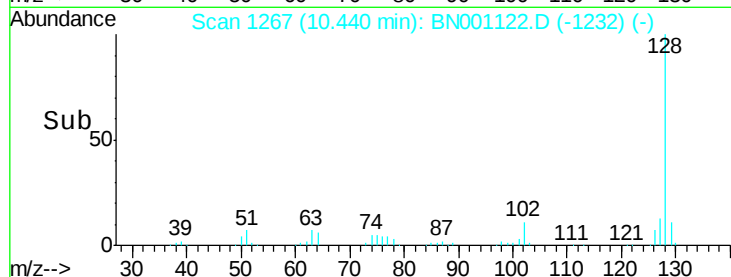
127 13.3 10.6 16.0



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: 19.954 ng/ul

RT: 12.06 min Scan# 1542

Delta R.T. 0.01 min

Lab File: BN001122.D

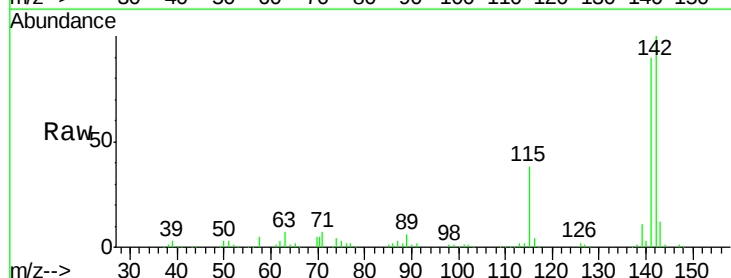
Acq: 03 May 2018 23:52

Tgt Ion:142 Resp: 347276

Ion Ratio Lower Upper

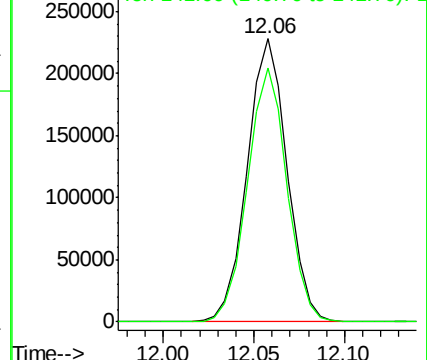
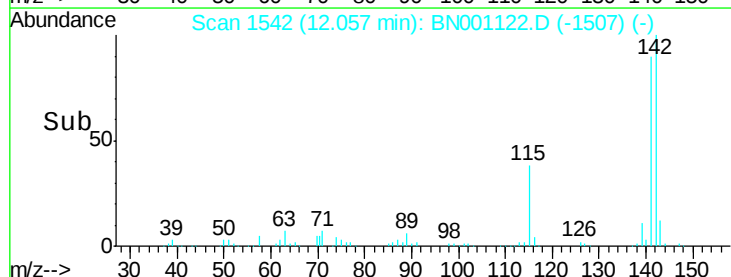
142 100

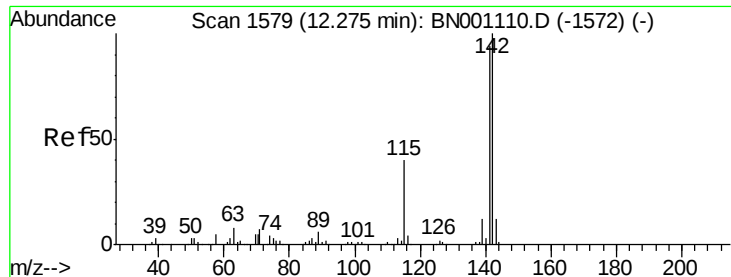
141 89.6 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 20.104 ng/ul

RT: 12.28 min Scan# 1580

Delta R.T. 0.01 min

Lab File: BN001122.D

Acq: 03 May 2018 23:52

Instrument :

BNA_N

ClientSampleId :

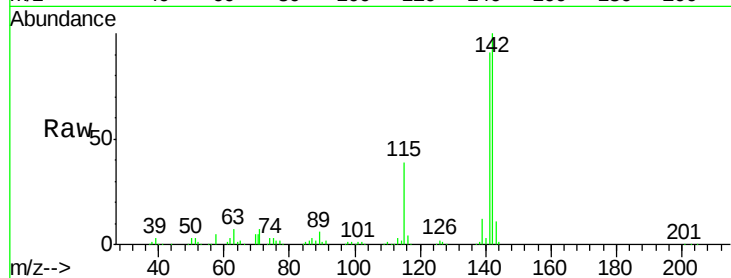
Tot Ion:142 Resp: 343176

Ion Ratio Lower Upper

142 100

141 91.1 79.3 118.9

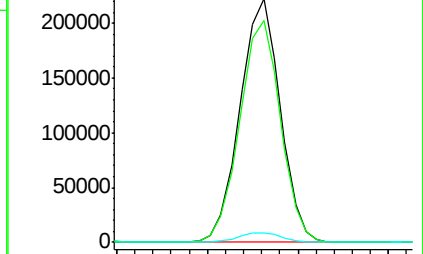
116 4.1 4.2 6.2#



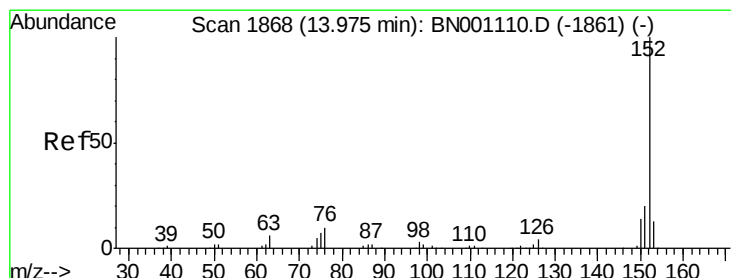
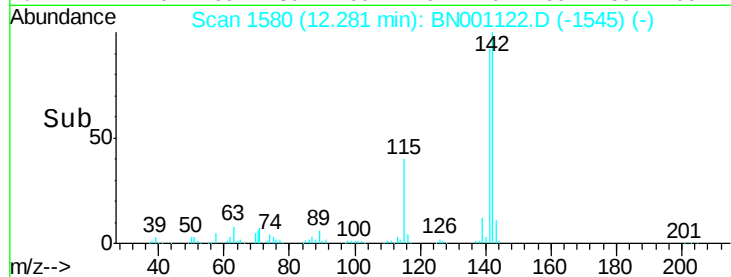
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



Time--> 12.20 12.25 12.30



#8

Acenaphthylene

Concen: 20.948 ng/ul

RT: 13.97 min Scan# 1868

Delta R.T. -0.00 min

Lab File: BN001122.D

Acq: 03 May 2018 23:52

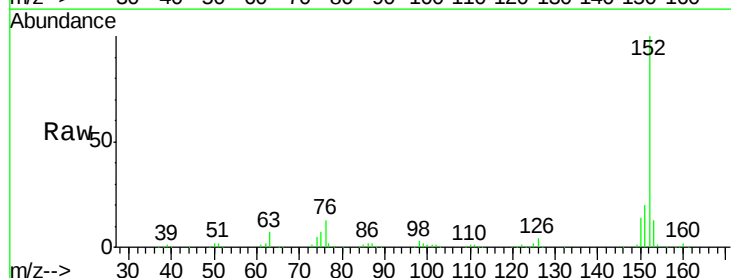
Tgt Ion:152 Resp: 513922

Ion Ratio Lower Upper

152 100

151 19.8 16.7 25.1

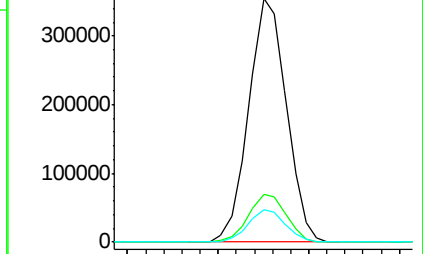
153 13.3 10.2 15.4



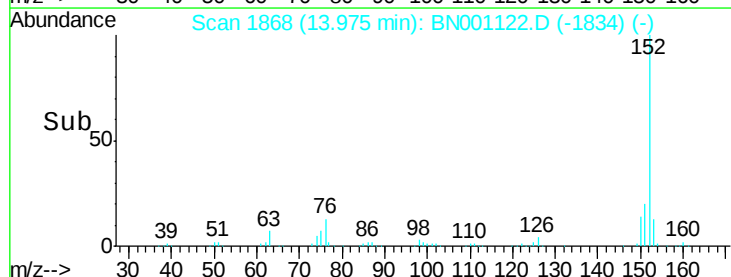
Abundance Ion 152.00 (151.70 to 152.70): E

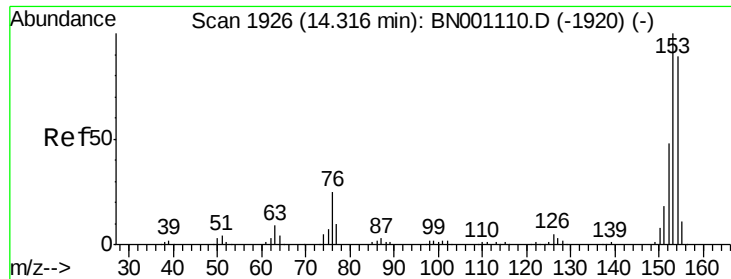
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time--> 13.90 13.95 14.00





#9

Acenaphthene

Concen: 20.421 ng/ul

RT: 14.32 min Scan# 1927

Delta R.T. 0.01 min

Lab File: BN001122.D

Acq: 03 May 2018 23:52

Instrument :

BNA_N

ClientSampleId :

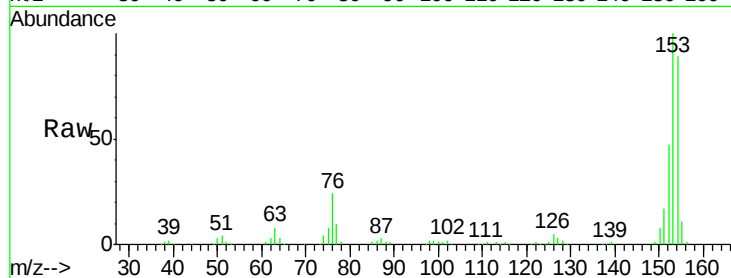
Tot Ion:153 Resp: 346141

Ion Ratio Lower Upper

153 100

152 47.4 39.0 58.6

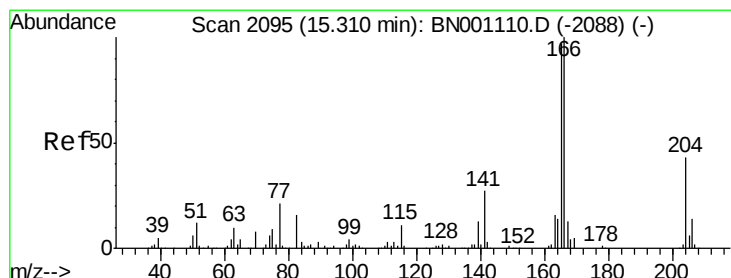
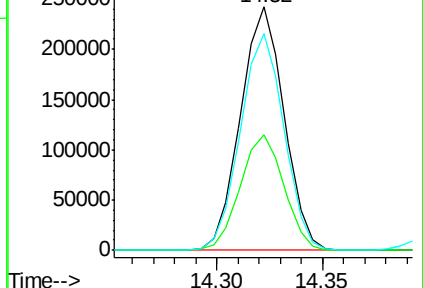
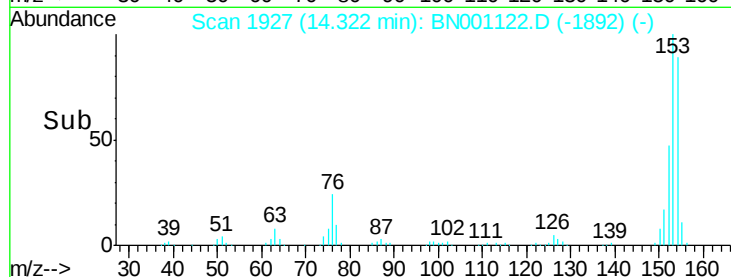
154 89.3 66.8 100.2



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: 20.866 ng/ul

RT: 15.31 min Scan# 2095

Delta R.T. -0.00 min

Lab File: BN001122.D

Acq: 03 May 2018 23:52

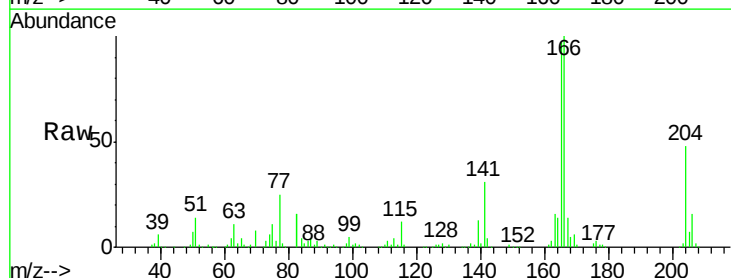
Tgt Ion:166 Resp: 376521

Ion Ratio Lower Upper

166 100

165 97.1 83.8 125.8

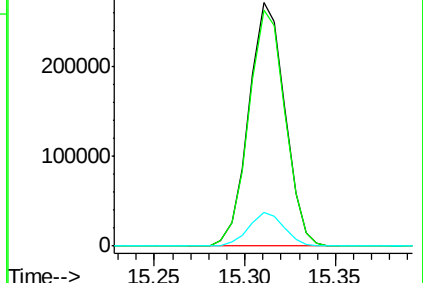
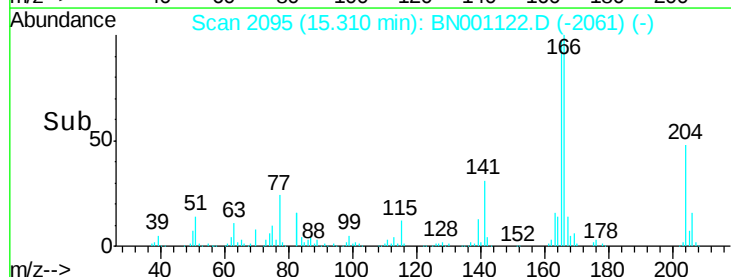
167 13.7 11.5 17.3

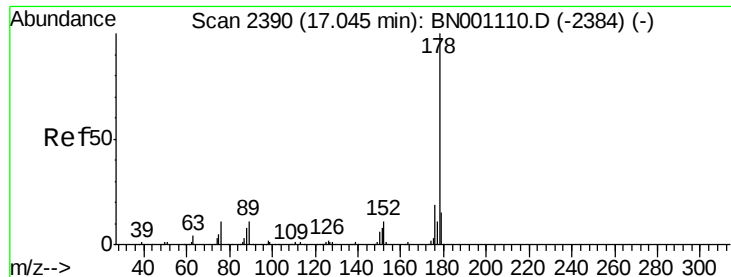


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

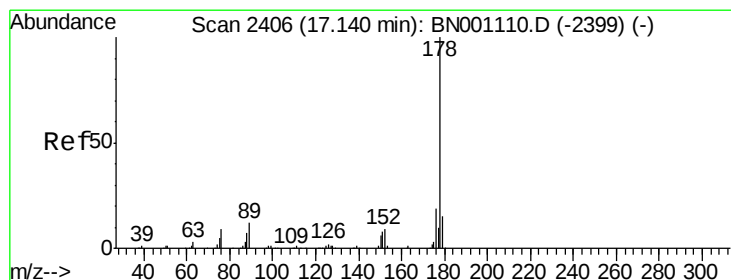
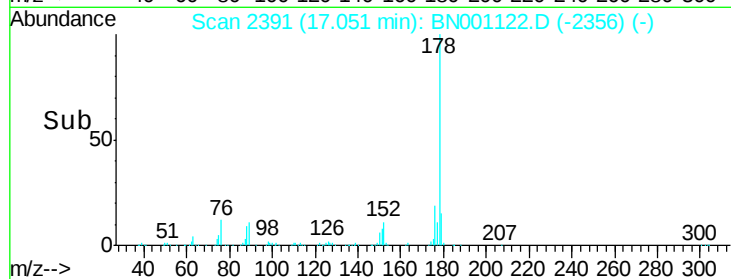
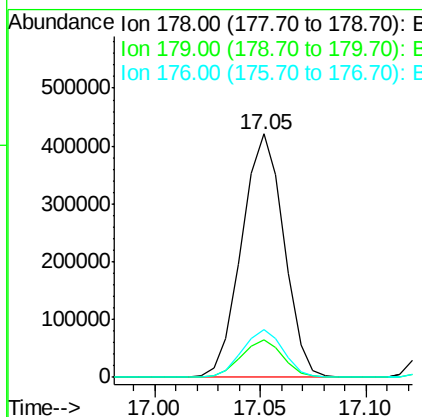
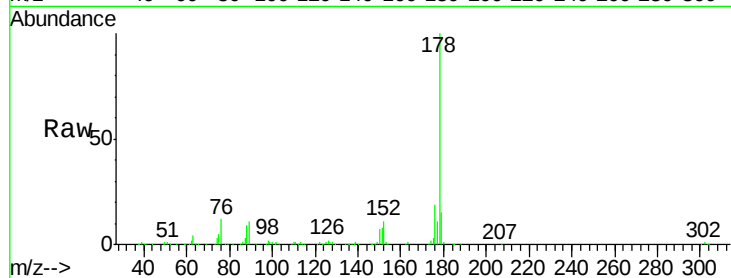




#13
Phenanthrene
Concen: 20.189 ng/ul
RT: 17.05 min Scan# 2391
Delta R.T. 0.01 min
Lab File: BN001122.D
Acq: 03 May 2018 23:52

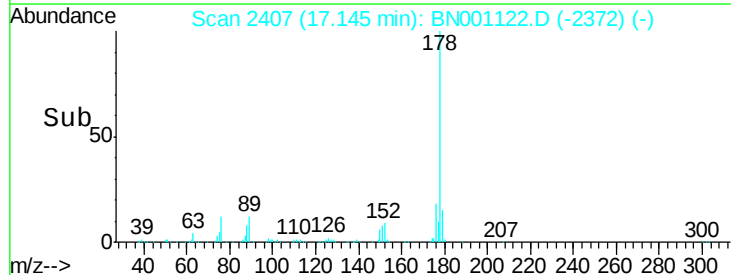
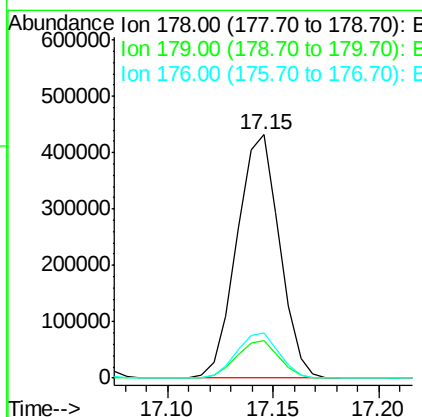
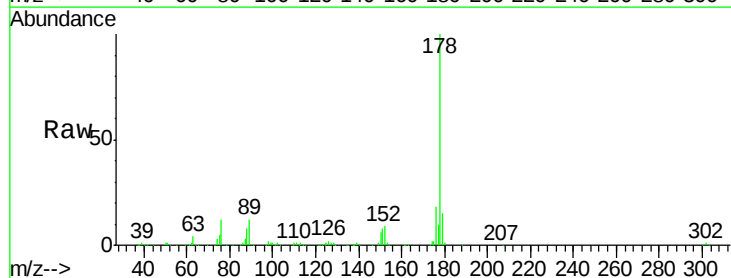
Instrument :
BNA_N
ClientSampled :

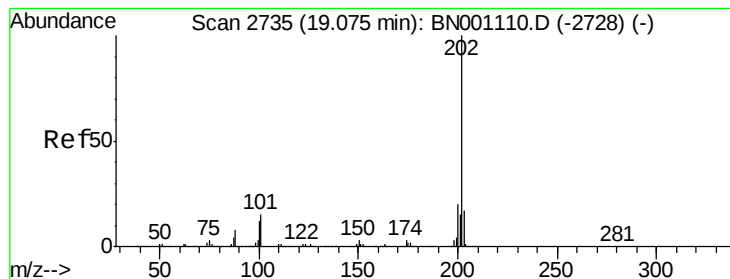
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.5	15.1	22.7



#15
Anthracene
Concen: 20.851 ng/ul
RT: 17.15 min Scan# 2407
Delta R.T. 0.01 min
Lab File: BN001122.D
Acq: 03 May 2018 23:52

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.8	17.8
176	18.4	15.2	22.8





#16

Fluoranthene

Concen: 22.481 ng/ul

RT: 19.07 min Scan# 2735

Delta R.T. -0.00 min

Lab File: BN001122.D

Acq: 03 May 2018 23:52

Instrument :

BNA_N

ClientSampleId :

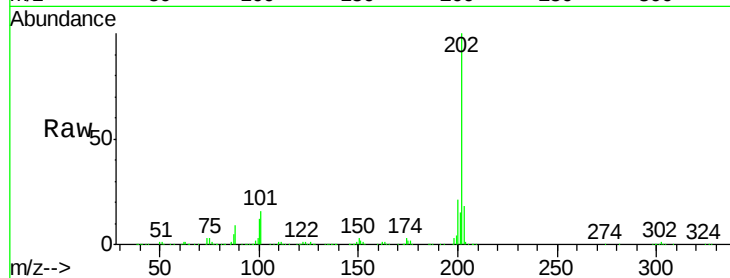
Tot Ion:202 Resp: 658609

Ion Ratio Lower Upper

202 100

101 15.8 9.9 14.9#

100 12.1 7.4 11.0#



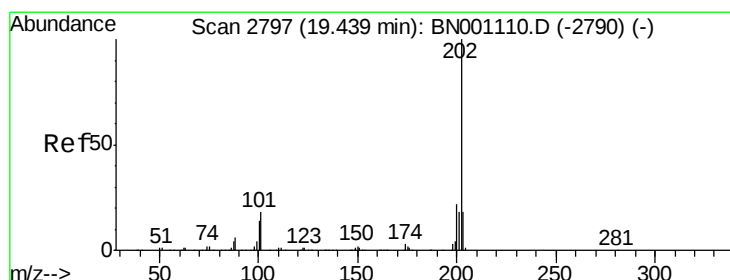
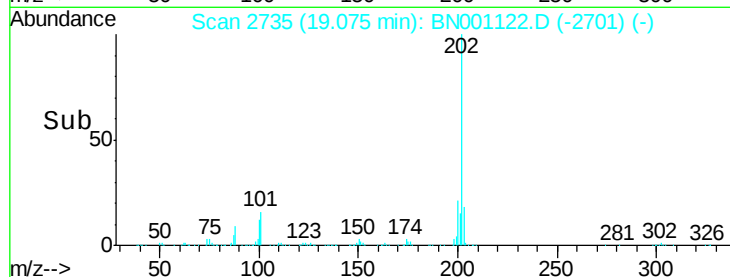
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

19.07

Time-->



#19

Pyrene

Concen: 19.287 ng/ul

RT: 19.45 min Scan# 2798

Delta R.T. 0.01 min

Lab File: BN001122.D

Acq: 03 May 2018 23:52

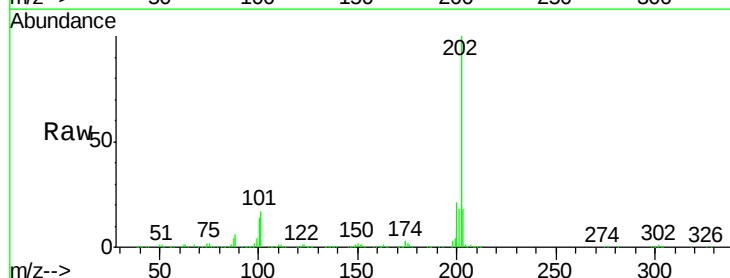
Tgt Ion:202 Resp: 656178

Ion Ratio Lower Upper

202 100

101 17.1 11.0 16.4#

100 13.7 8.1 12.1#



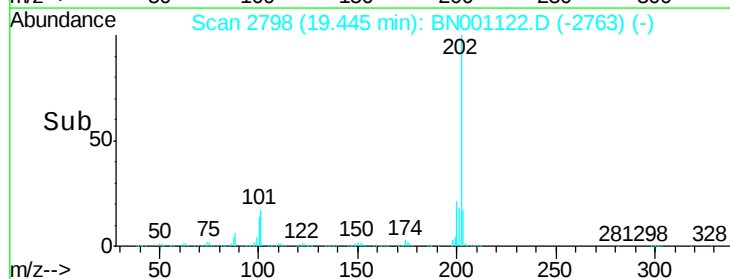
Abundance Ion 202.00 (201.70 to 202.70): E

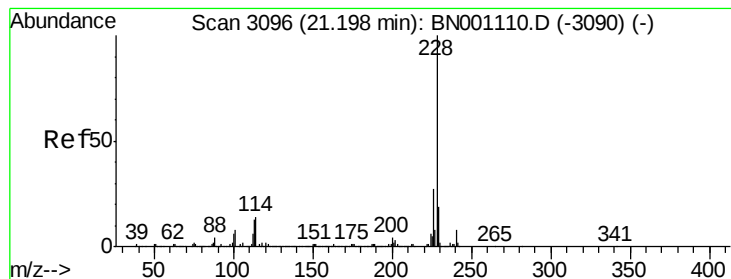
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

19.45

Time-->





#20

Benzo(a)anthracene

Concen: 20.824 ng/ul

RT: 21.20 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BN001122.D

Acq: 03 May 2018 23:52

Instrument :

BNA_N

ClientSampleId :

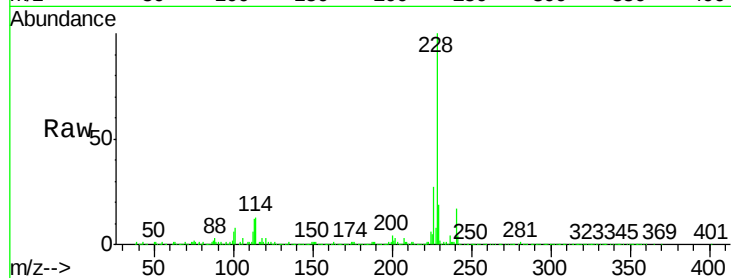
Tot Ion:228 Resp: 659349

Ion Ratio Lower Upper

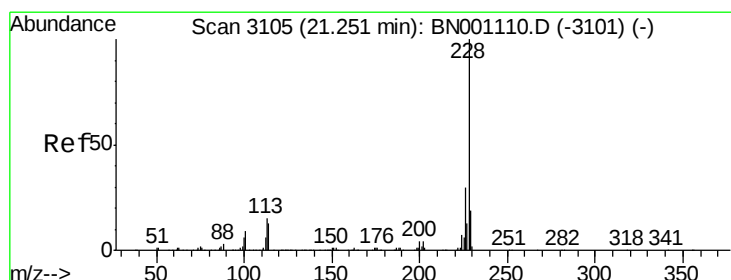
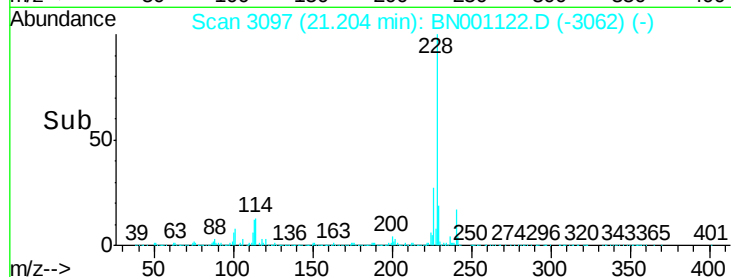
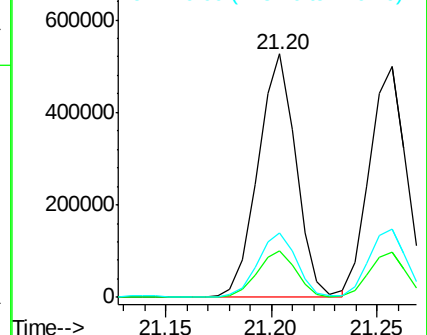
228 100

229 19.3 15.7 23.5

226 26.7 21.1 31.7



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



#21

Chrysene

Concen: 20.331 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. 0.01 min

Lab File: BN001122.D

Acq: 03 May 2018 23:52

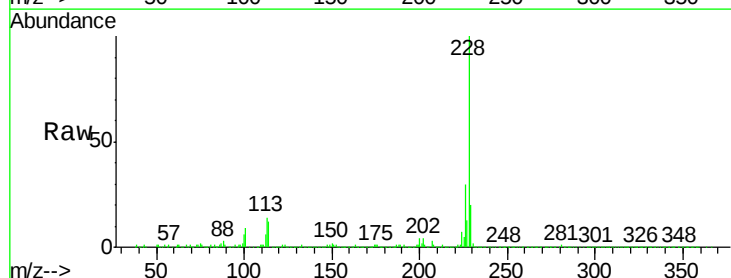
Tgt Ion:228 Resp: 605052

Ion Ratio Lower Upper

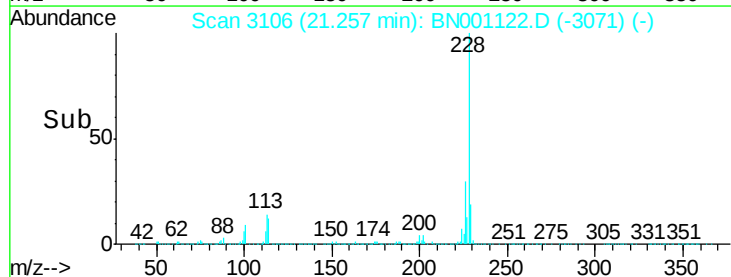
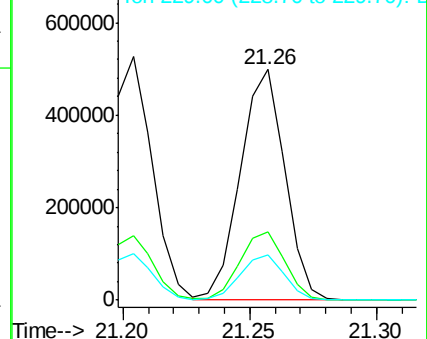
228 100

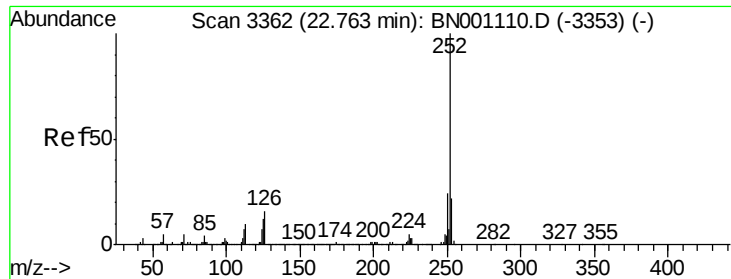
226 29.7 24.5 36.7

229 19.5 15.8 23.8



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





#23

Benzo(b)fluoranthene

Concen: 20.198 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. -0.00 min

Lab File: BN001122.D

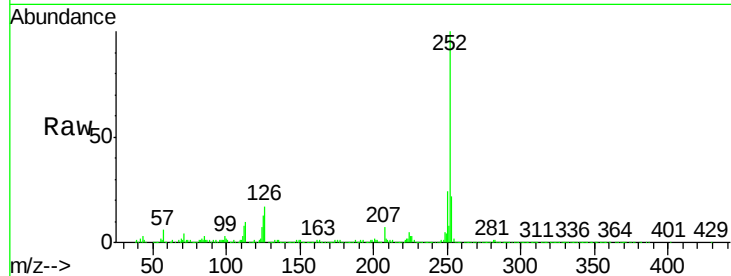
Acq: 03 May 2018 23:52

Instrument :

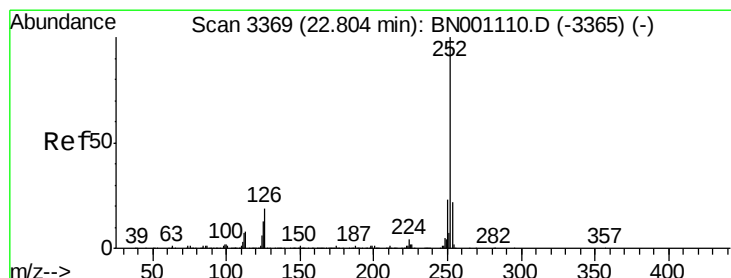
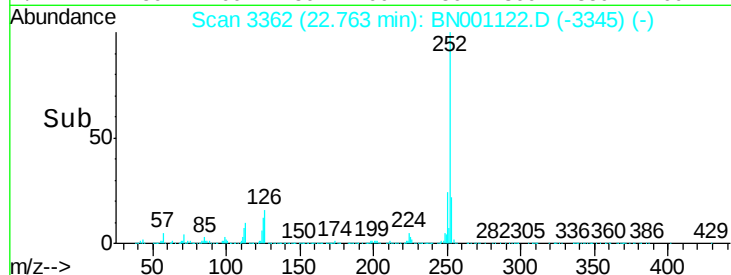
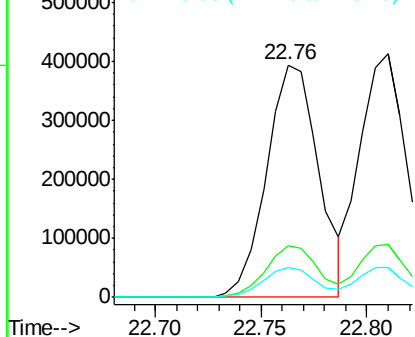
BNA_N

ClientSampleId :

Tot Ion:	252	Resp:	673215
Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	12.7	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: 20.417 ng/ul

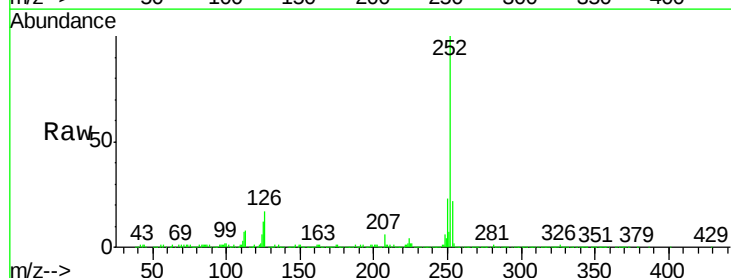
RT: 22.81 min Scan# 3370

Delta R.T. 0.01 min

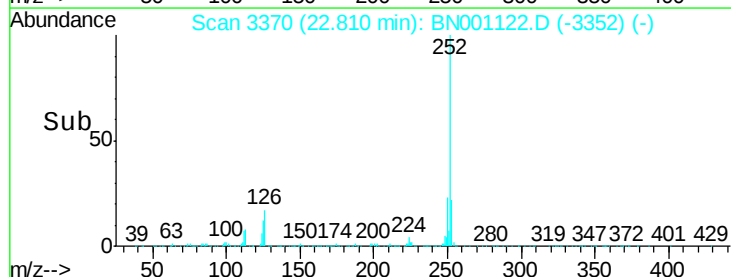
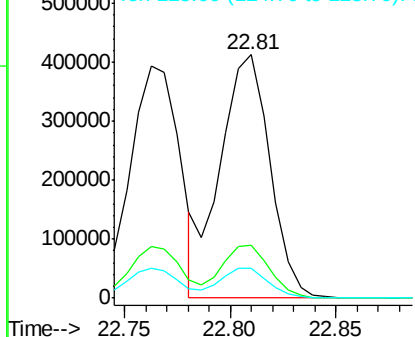
Lab File: BN001122.D

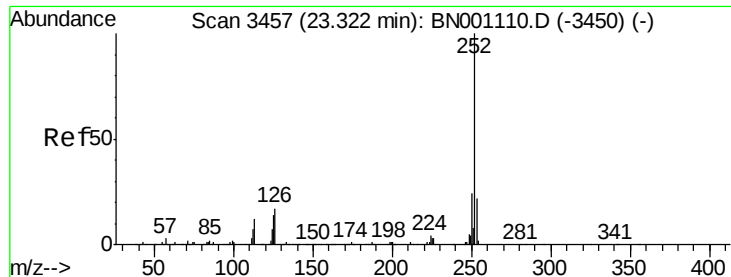
Acq: 03 May 2018 23:52

Tgt Ion:	252	Resp:	665914
Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	12.1	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: 20.274 ng/ul

RT: 23.33 min Scan# 3458

Delta R.T. 0.01 min

Lab File: BN001122.D

Acq: 03 May 2018 23:52

Instrument :

BNA_N

ClientSampleId :

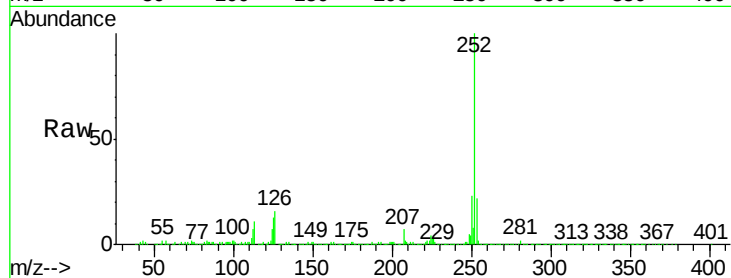
Tot Ion:252 Resp: 645829

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

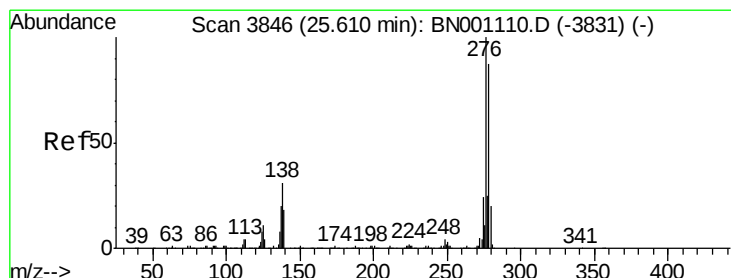
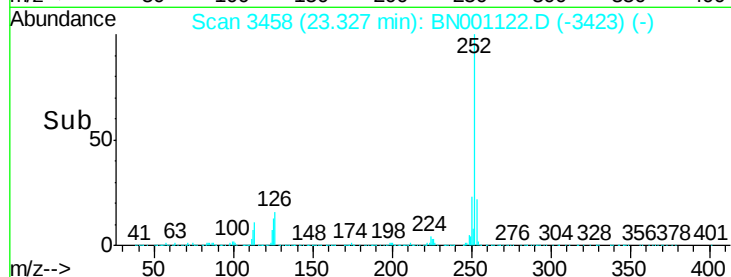
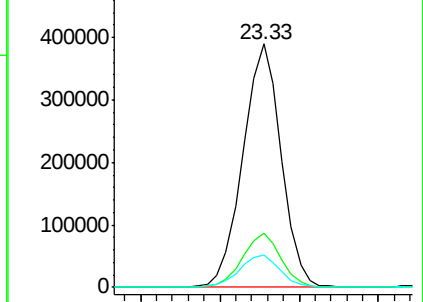
125 13.4 8.2 12.4#



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: 20.423 ng/ul

RT: 25.62 min Scan# 3848

Delta R.T. 0.01 min

Lab File: BN001122.D

Acq: 03 May 2018 23:52

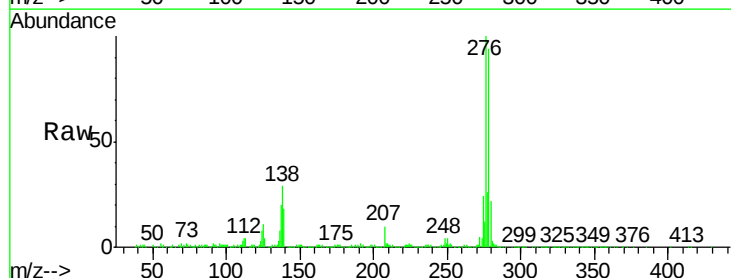
Tgt Ion:276 Resp: 785761

Ion Ratio Lower Upper

276 100

138 28.7 14.4 21.6#

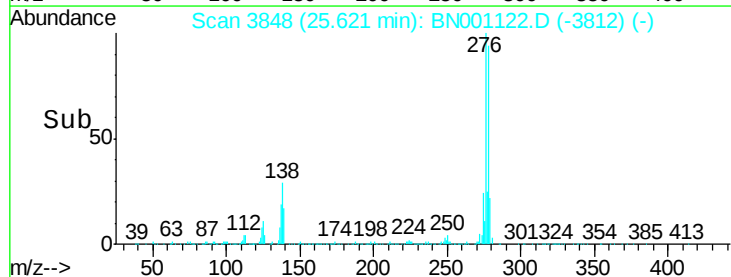
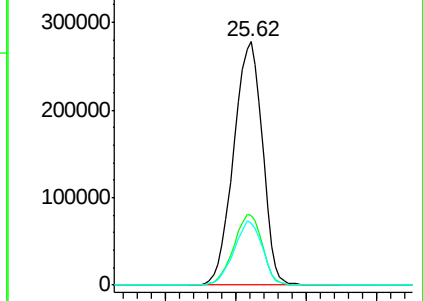
277 25.6 18.0 27.0

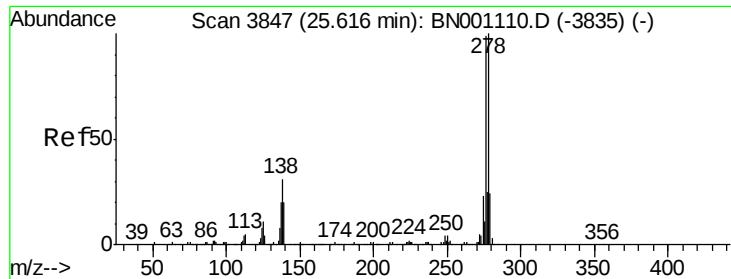


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 20.502 ng/ul

RT: 25.62 min Scan# 3848

Delta R.T. 0.01 min

Lab File: BN001122.D

Acq: 03 May 2018 23:52

Instrument :

BNA_N

ClientSampleId :

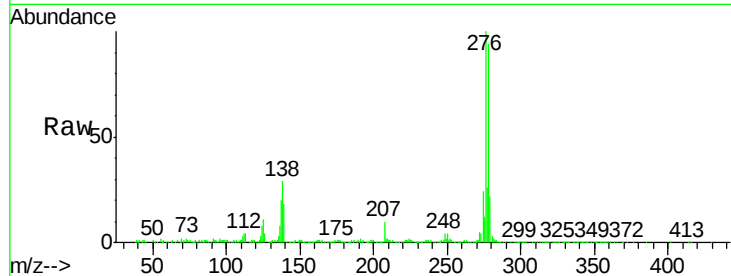
Tot Ion:278 Resp: 657410

Ion Ratio Lower Upper

278 100

139 18.6 12.2 18.4#

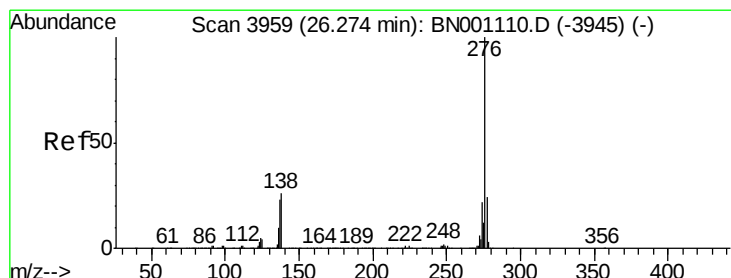
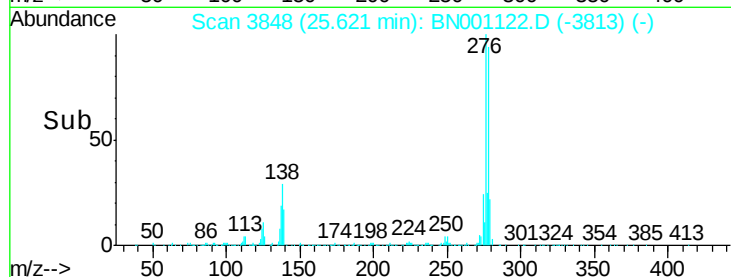
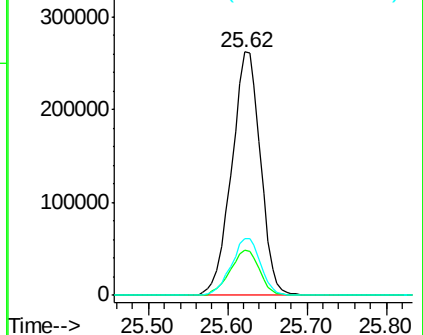
279 23.5 19.2 28.8



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: 20.472 ng/ul

RT: 26.29 min Scan# 3962

Delta R.T. 0.02 min

Lab File: BN001122.D

Acq: 03 May 2018 23:52

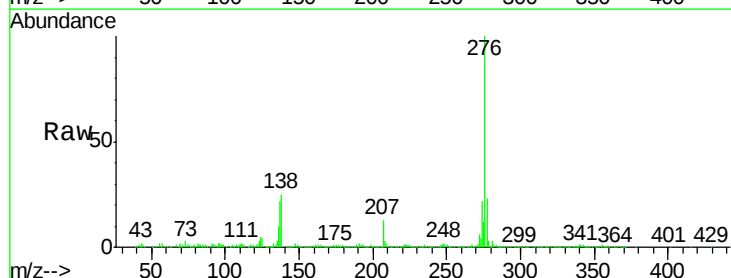
Tgt Ion:276 Resp: 658788

Ion Ratio Lower Upper

276 100

138 24.7 15.3 22.9#

277 23.5 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

