

Data Path : Z:\HPCHEM1\BNA N\DATA\BN050318\
 Data File : BN001121.D
 Acq On : 03 May 2018 23:17
 Operator : JU/SJ
 Sample : J2633-09
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 04 08:07:25 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

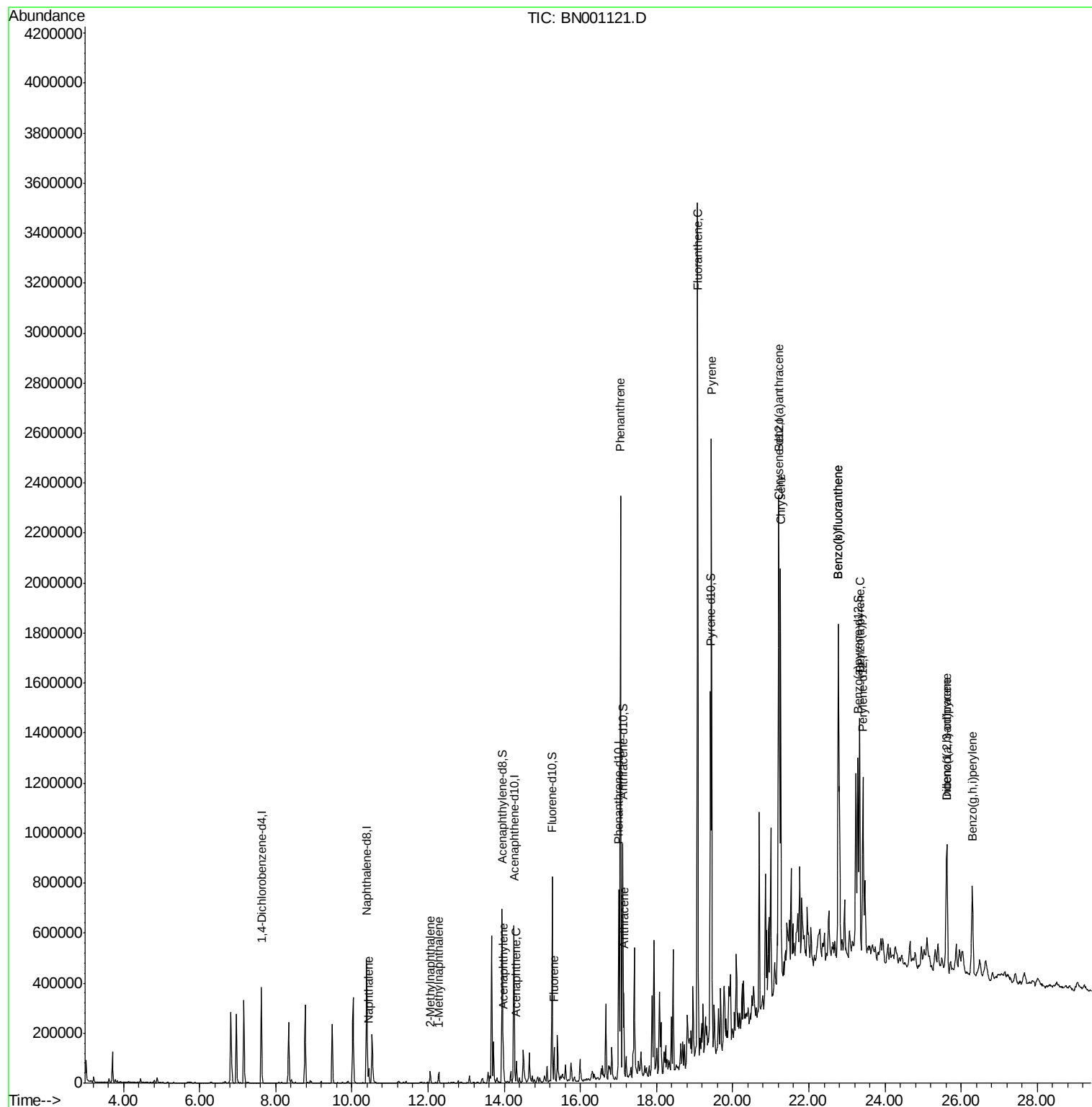
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	93553	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	381257	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	193945	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.01	188	399544	20.00	ng/ul	0.00
17) Chrysene-d12	21.22	240	392302	20.00	ng/ul	0.00
22) Perylene-d12	23.42	264	438658	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	13.95	160	434821	23.34	ng/ul	0.00
10) Fluorene-d10	15.26	176	298826	24.04	ng/ul	0.00
14) Anthracene-d10	17.11	188	440983	24.14	ng/ul	0.00
18) Pyrene-d10	19.42	212	462108	22.99	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.29	264	518110	25.00	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	46866	2.439	ng/ul	99
4) 2-Methylnaphthalene	12.06	142	21243	1.657	ng/ul	94
5) 1-Methylnaphthalene	12.28	142	20061	1.595	ng/ul#	96
8) Acenaphthylene	13.97	152	61778	3.351	ng/ul	99
9) Acenaphthene	14.32	153	32947	2.587	ng/ul	94
11) Fluorene	15.31	166	50569	3.729	ng/ul	92
13) Phenanthrene	17.05	178	1269829	58.272	ng/ul	99
15) Anthracene	17.14	178	192567	8.810	ng/ul	99
16) Fluoranthene	19.08	202	1854368	83.874	ng/ul#	93
19) Pyrene	19.45	202	1359825	53.965	ng/ul#	89
20) Benzo(a)anthracene	21.20	228	744943	31.766	ng/ul	96
21) Chrysene	21.26	228	823703	37.371	ng/ul	97
23) Benzo(b)fluoranthene	22.77	252	1320001	52.950	ng/ul#	97
24) Benzo(k)fluoranthene	22.77	252	1342611	55.039	ng/ul#	97
26) Benzo(a)pyrene	23.33	252	593095	24.894	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	25.62	276	432475	15.029	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.62	278	134267	5.598	ng/ul#	81
29) Benzo(a,h,i)perylene	26.29	276	400885	16.657	ng/ul#	92

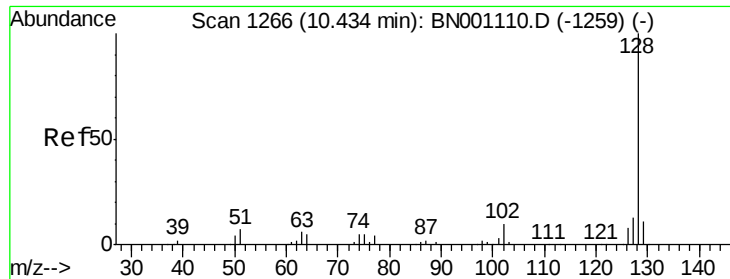
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 2.439 ng/ul

RT: 10.44 min Scan# 1267

Delta R.T. 0.01 min

Lab File: BN001121.D

Acq: 03 May 2018 23:17

Instrument :

BNA_N

ClientSampleId :

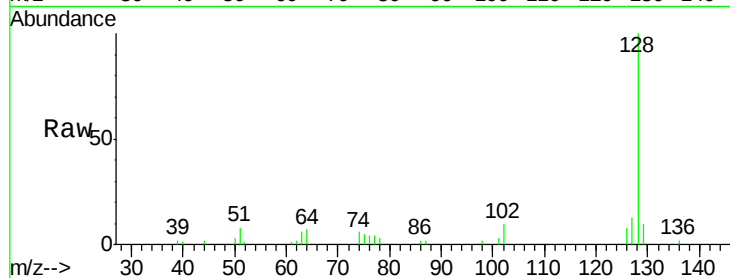
Tot Ion:128 Resp: 46866

Ion Ratio Lower Upper

128 100

129 10.3 8.7 13.1

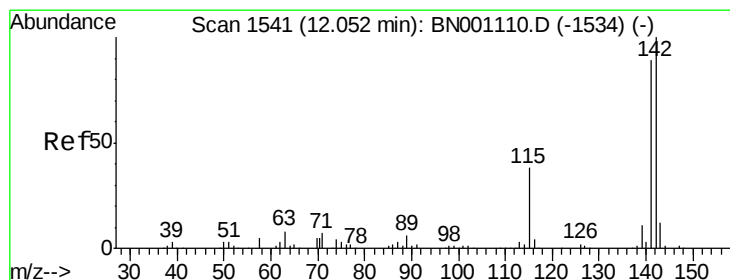
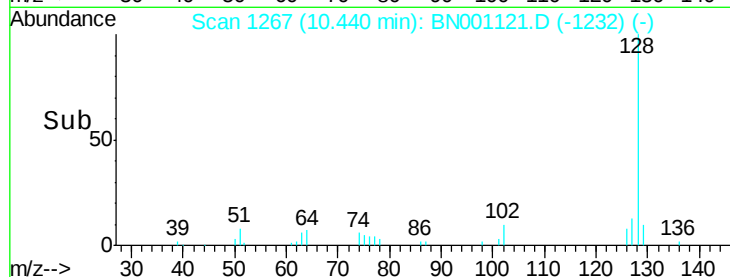
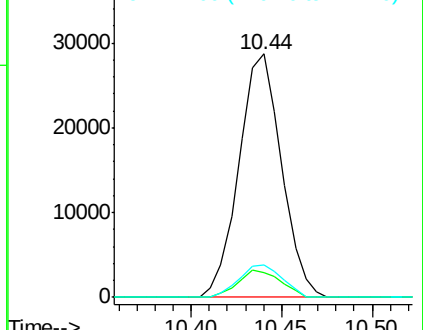
127 13.1 10.6 16.0



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: 1.657 ng/ul

RT: 12.06 min Scan# 1542

Delta R.T. 0.01 min

Lab File: BN001121.D

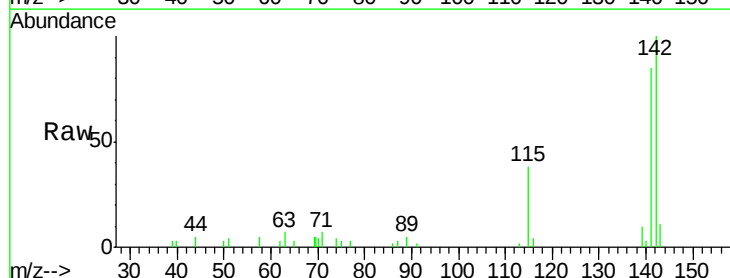
Acq: 03 May 2018 23:17

Tgt Ion:142 Resp: 21243

Ion Ratio Lower Upper

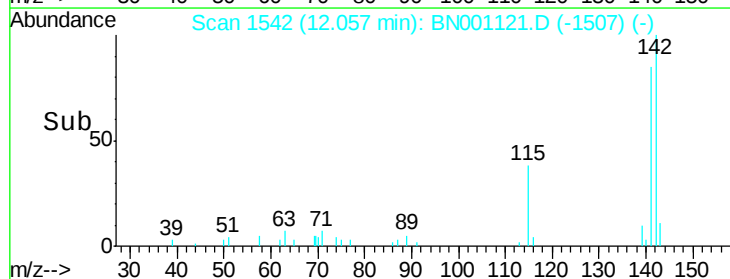
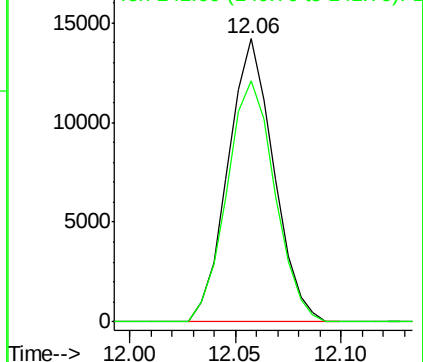
142 100

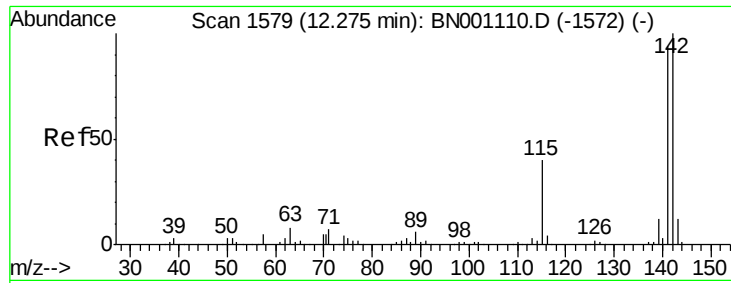
141 85.0 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.595 ng/ul

RT: 12.28 min Scan# 1580

Delta R.T. 0.01 min

Lab File: BN001121.D

Acq: 03 May 2018 23:17

Instrument :

BNA_N

ClientSampleId :

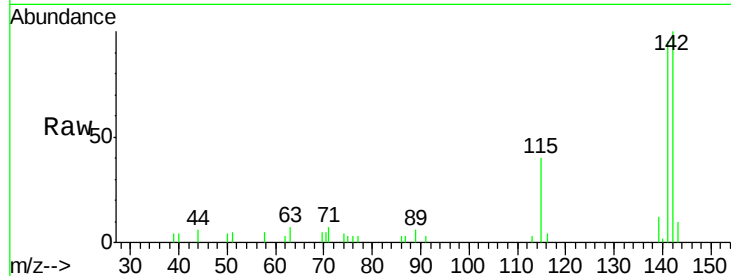
Tot Ion:142 Resp: 20061

Ion Ratio Lower Upper

142 100

141 95.1 79.3 118.9

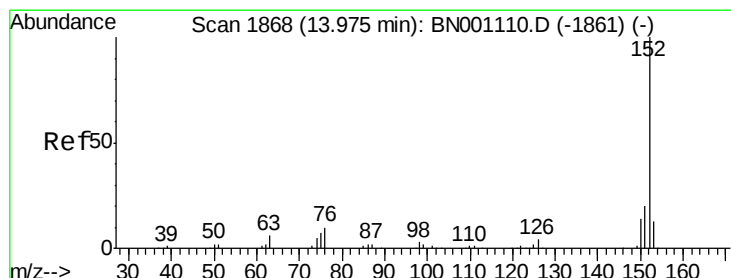
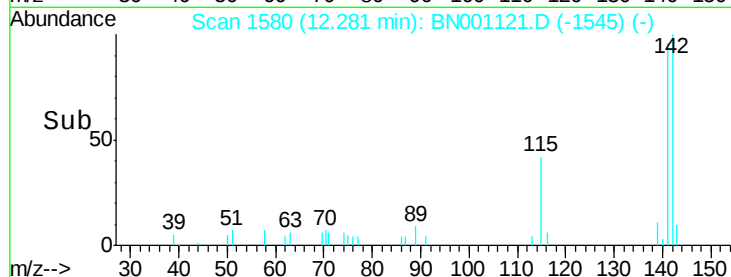
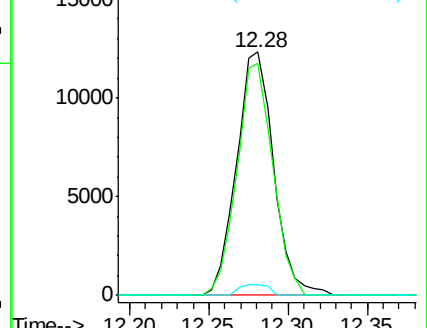
116 4.1 4.2 6.2#



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



#8

Acenaphthylene

Concen: 3.351 ng/ul

RT: 13.97 min Scan# 1868

Delta R.T. 0.00 min

Lab File: BN001121.D

Acq: 03 May 2018 23:17

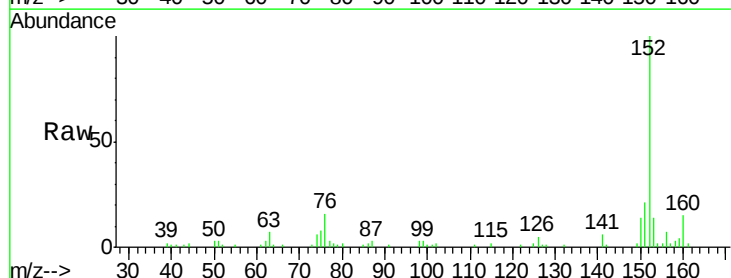
Tgt Ion:152 Resp: 61778

Ion Ratio Lower Upper

152 100

151 21.1 16.7 25.1

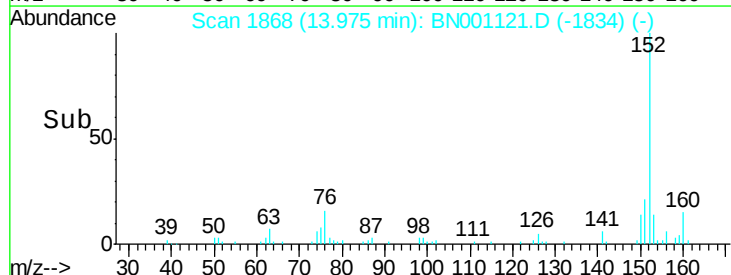
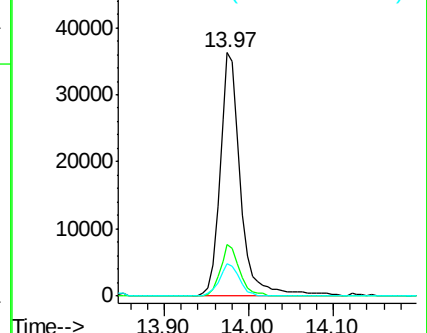
153 13.5 10.2 15.4

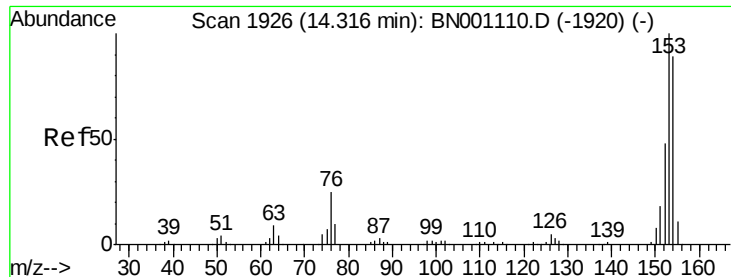


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 2.587 ng/ul

RT: 14.32 min Scan# 1927

Delta R.T. 0.01 min

Lab File: BN001121.D

Acq: 03 May 2018 23:17

Instrument :

BNA_N

ClientSampled :

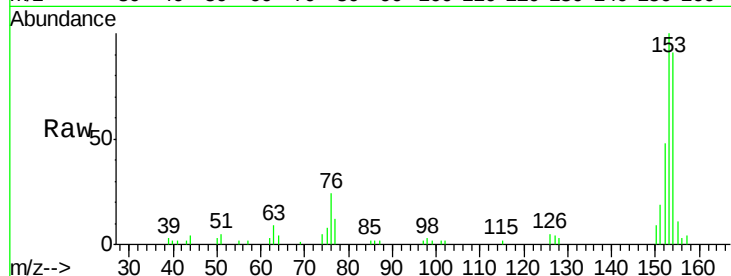
Tot Ion:153 Resp: 32947

Ion Ratio Lower Upper

153 100

152 48.1 39.0 58.6

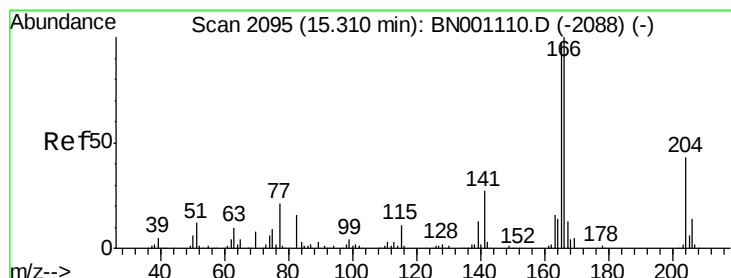
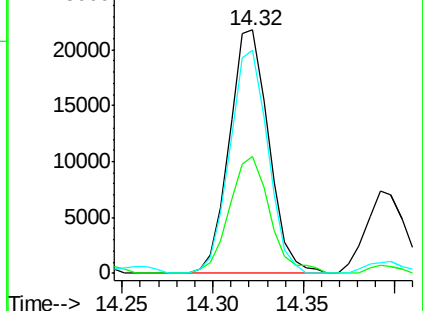
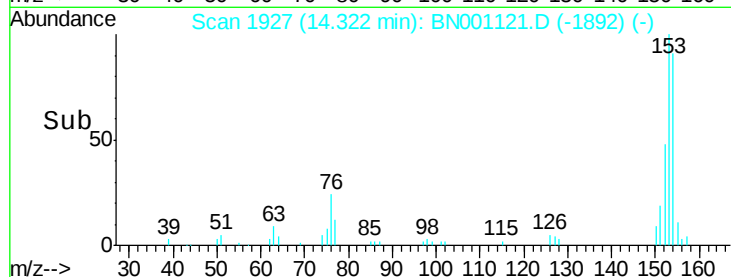
154 91.5 66.8 100.2



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: 3.729 ng/ul

RT: 15.31 min Scan# 2095

Delta R.T. 0.00 min

Lab File: BN001121.D

Acq: 03 May 2018 23:17

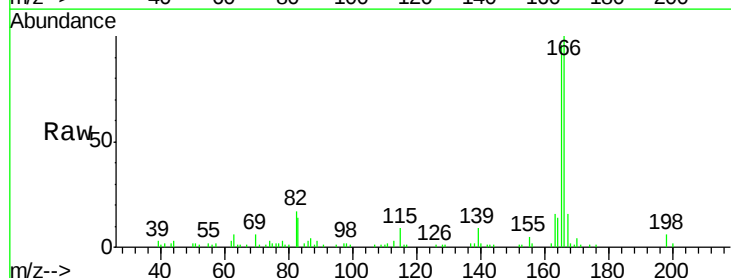
Tgt Ion:166 Resp: 50569

Ion Ratio Lower Upper

166 100

165 95.9 83.8 125.8

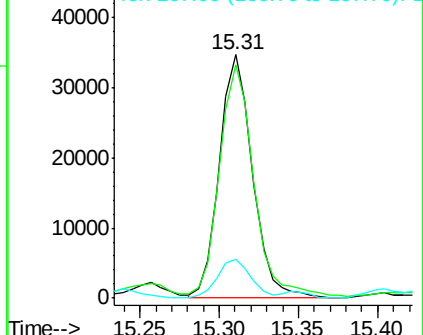
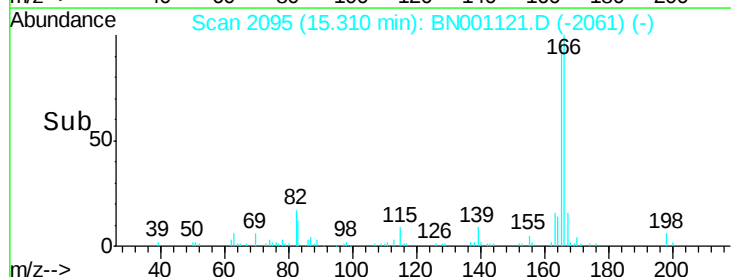
167 15.8 11.5 17.3

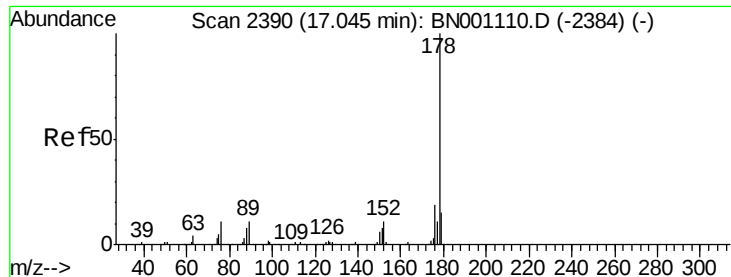


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

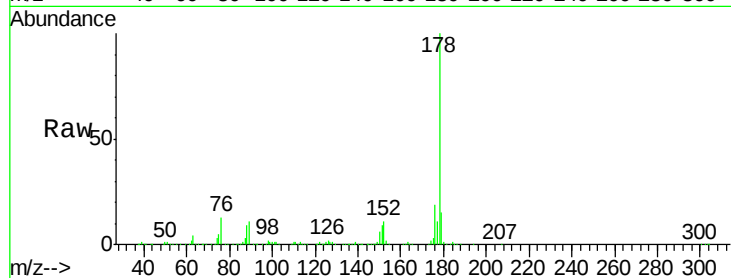




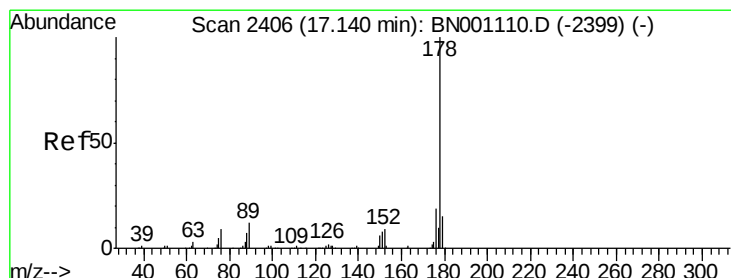
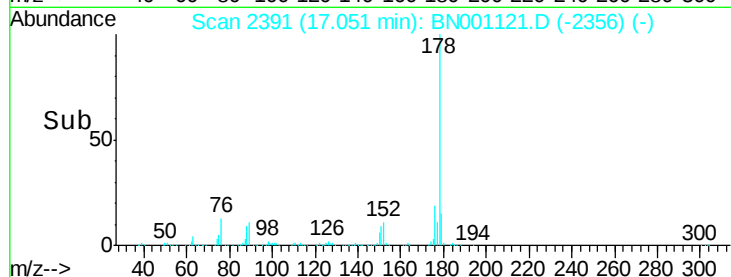
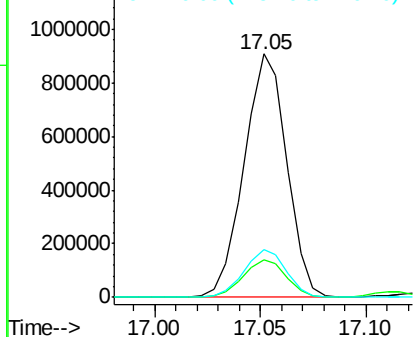
#13
Phenanthrene
Concen: 58.272 ng/ul
RT: 17.05 min Scan# 2391
Delta R.T. 0.01 min
Lab File: BN001121.D
Acq: 03 May 2018 23:17

Instrument :
BNA_N
ClientSampleId :

Tot Ion:178 Resp: 1269829
Ion Ratio Lower Upper
178 100
179 15.4 12.3 18.5
176 19.4 15.1 22.7

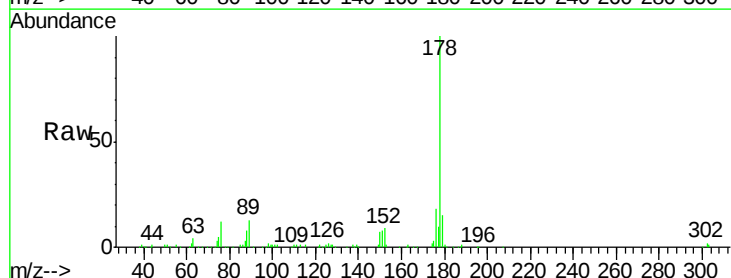


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

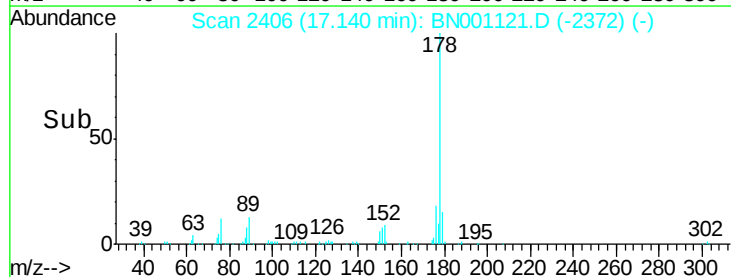
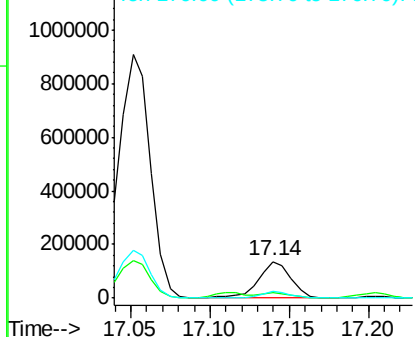


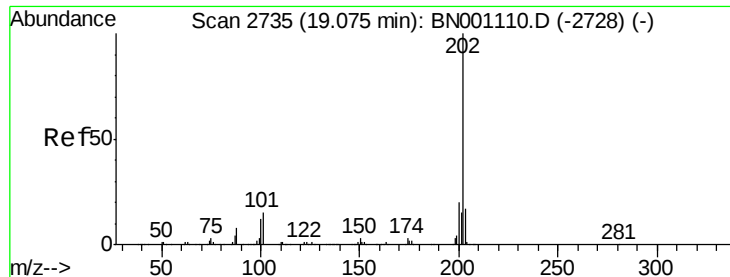
#15
Anthracene
Concen: 8.810 ng/ul
RT: 17.14 min Scan# 2406
Delta R.T. 0.00 min
Lab File: BN001121.D
Acq: 03 May 2018 23:17

Tgt Ion:178 Resp: 192567
Ion Ratio Lower Upper
178 100
179 15.4 11.8 17.8
176 18.4 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

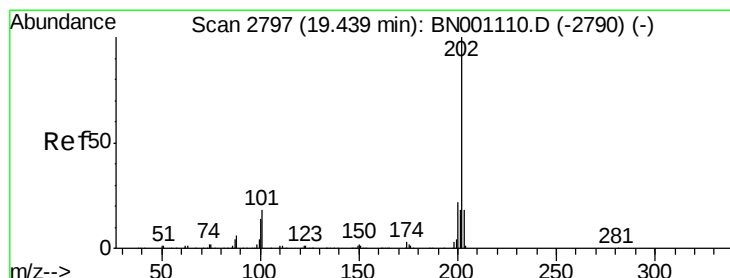
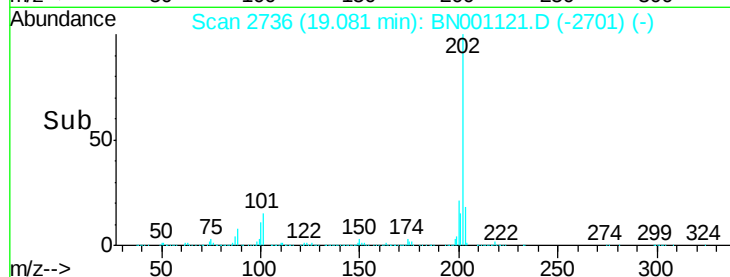
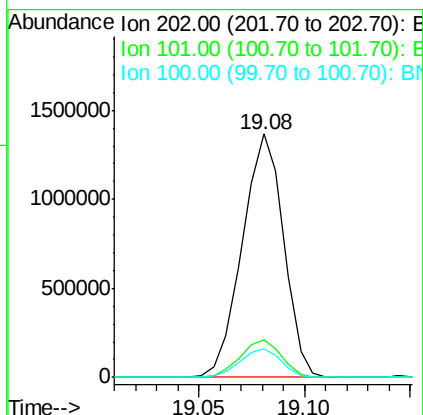
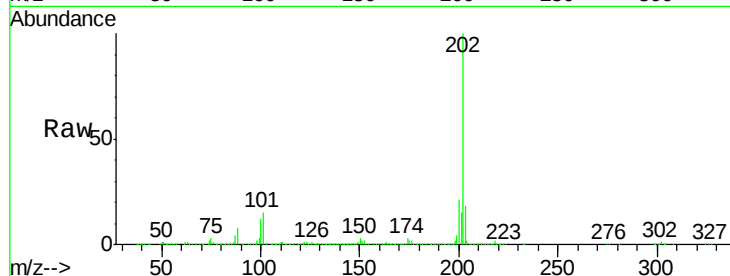




#16
 Fluoranthene
 Concen: 83.874 ng/ul
 RT: 19.08 min Scan# 2736
 Delta R.T. 0.01 min
 Lab File: BN001121.D
 Acq: 03 May 2018 23:17

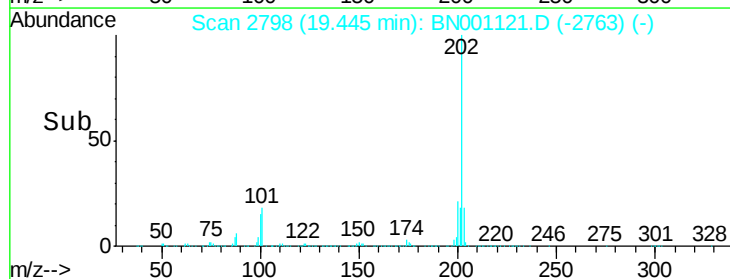
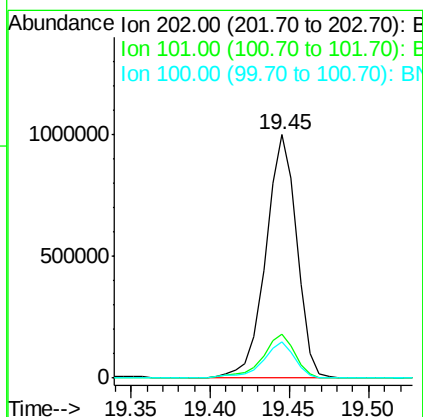
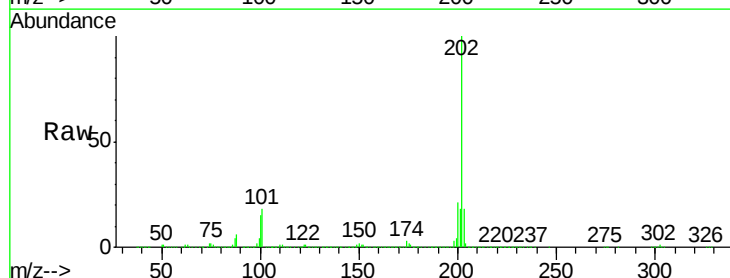
Instrument :
 BNA_N
 ClientSampleId :

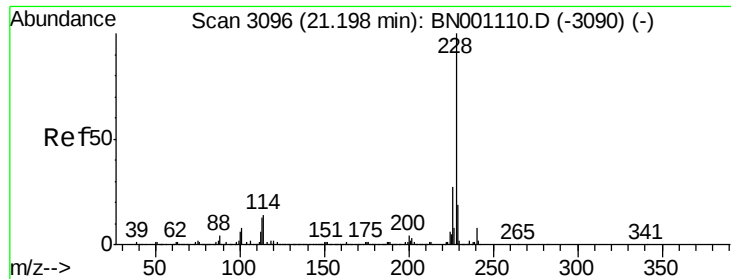
Tot Ion:202 Resp: 1854368
 Ion Ratio Lower Upper
 202 100
 101 15.3 9.9 14.9#
 100 11.5 7.4 11.0#



#19
 Pyrene
 Concen: 53.965 ng/ul
 RT: 19.45 min Scan# 2798
 Delta R.T. 0.01 min
 Lab File: BN001121.D
 Acq: 03 May 2018 23:17

Tgt Ion:202 Resp: 1359825
 Ion Ratio Lower Upper
 202 100
 101 17.8 11.0 16.4#
 100 14.7 8.1 12.1#





#20

Benzo(a)anthracene

Concen: 31.766 ng/ul

RT: 21.20 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BN001121.D

Acq: 03 May 2018 23:17

Instrument :

BNA_N

ClientSampleId :

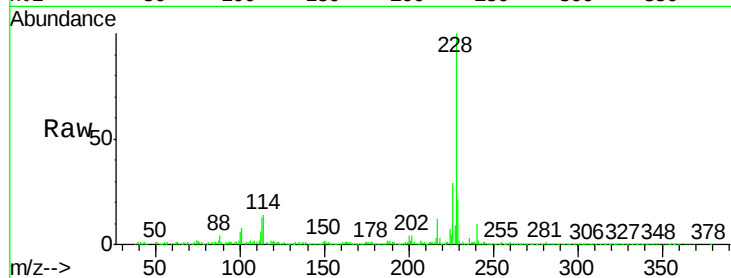
Tot Ion:228 Resp: 744943

Ion Ratio Lower Upper

228 100

229 21.1 15.7 23.5

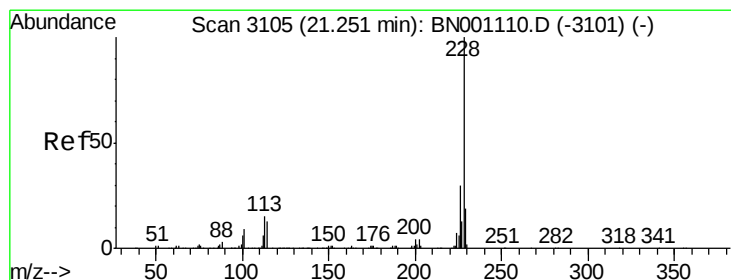
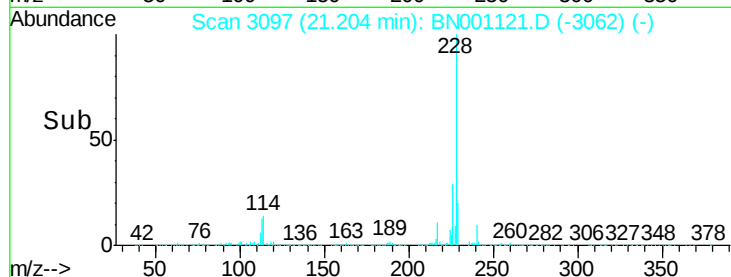
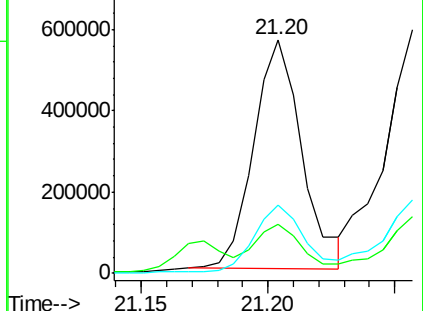
226 29.0 21.1 31.7



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: 37.371 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. 0.01 min

Lab File: BN001121.D

Acq: 03 May 2018 23:17

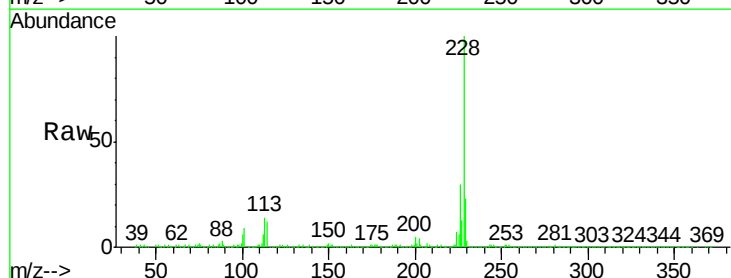
Tgt Ion:228 Resp: 823703

Ion Ratio Lower Upper

228 100

226 30.4 24.5 36.7

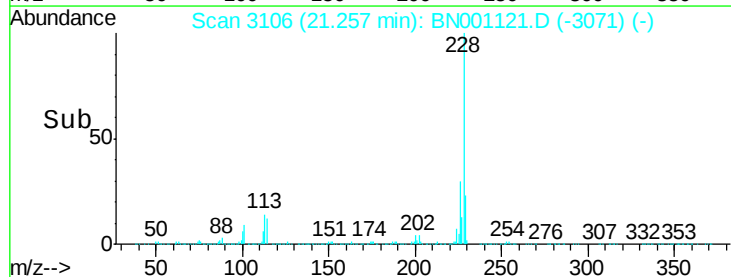
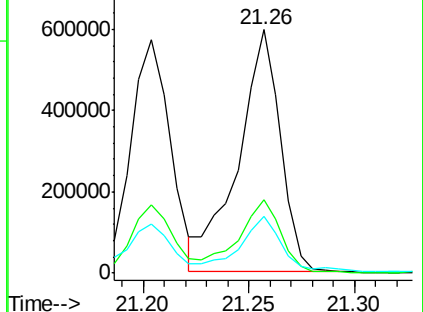
229 23.2 15.8 23.8

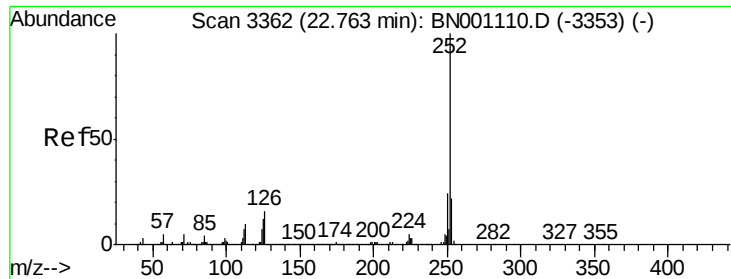


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 52.950 ng/uL

RT: 22.77 min Scan# 3364

Delta R.T. 0.01 min

Lab File: BN001121.D

Acq: 03 May 2018 23:17

Instrument :

BNA_N

ClientSampleId :

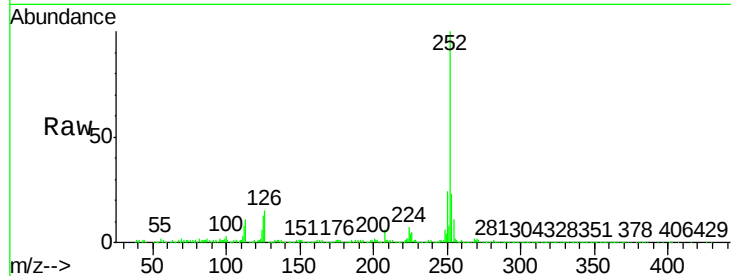
Tot Ion:252 Resp: 1320001

Ion Ratio Lower Upper

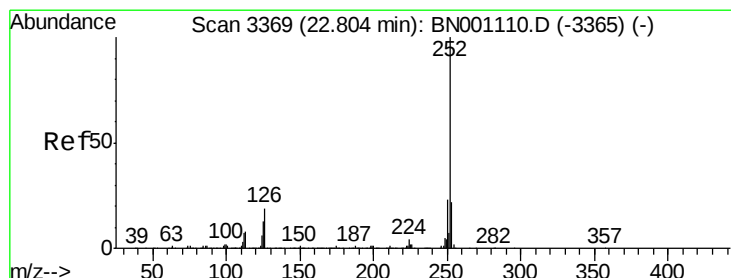
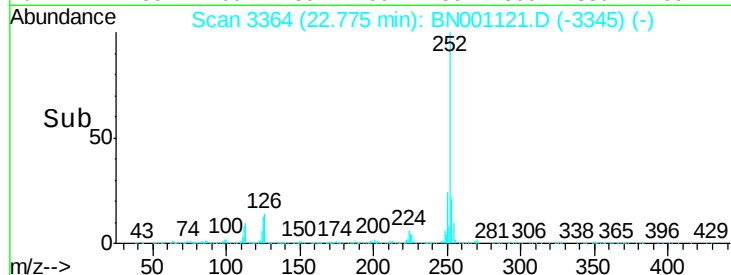
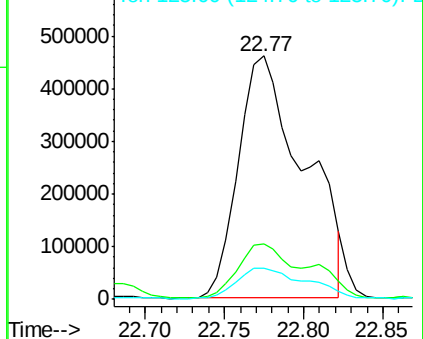
252 100

253 22.7 18.0 27.0

125 12.9 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: 55.039 ng/uL

RT: 22.77 min Scan# 3364

Delta R.T. -0.03 min

Lab File: BN001121.D

Acq: 03 May 2018 23:17

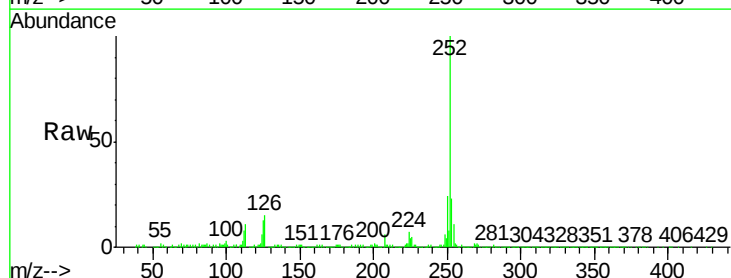
Tgt Ion:252 Resp: 1342611

Ion Ratio Lower Upper

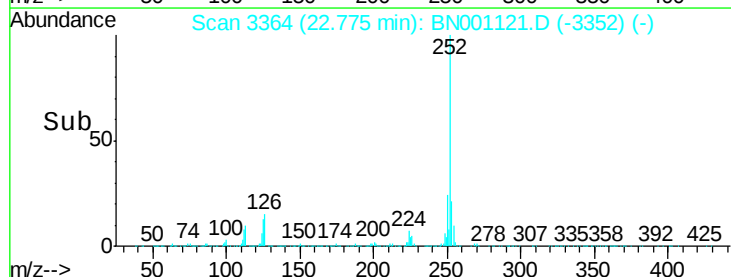
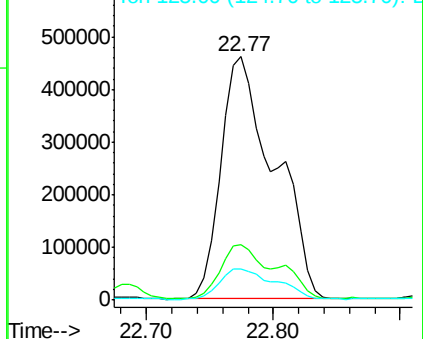
252 100

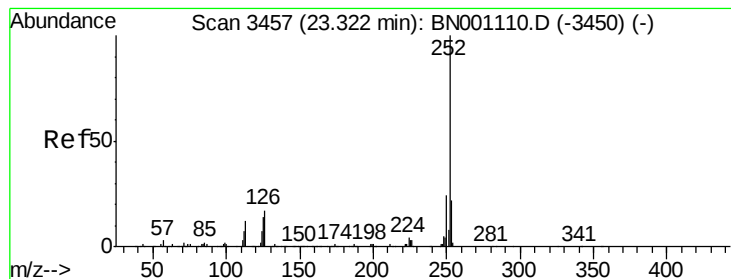
253 22.7 18.0 27.0

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: 24.894 ng/ul

RT: 23.33 min Scan# 3459

Delta R.T. 0.01 min

Lab File: BN001121.D

Acq: 03 May 2018 23:17

Instrument :

BNA_N

ClientSampleId :

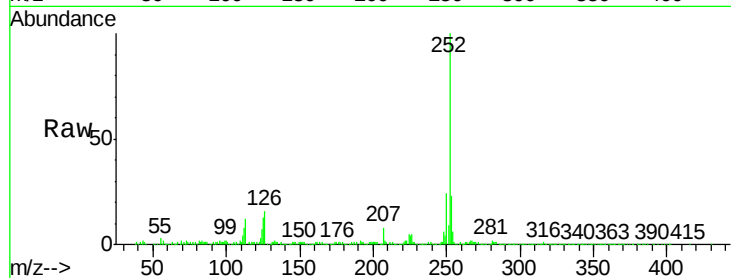
Tot Ion:252 Resp: 593095

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

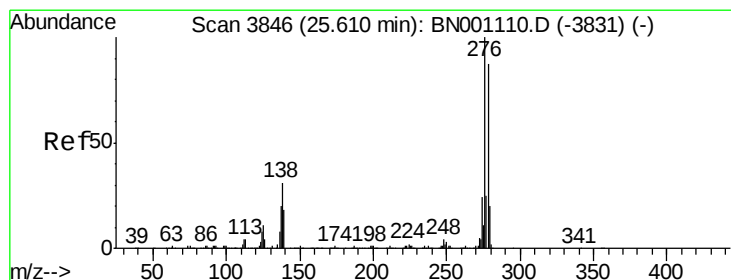
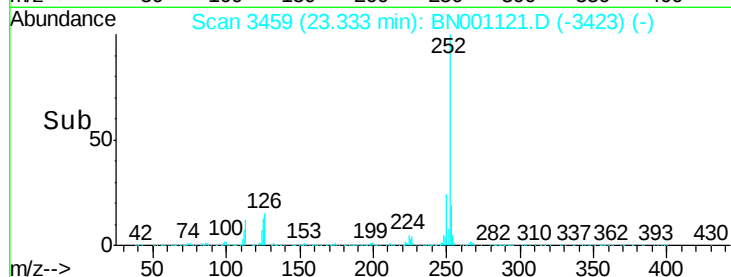
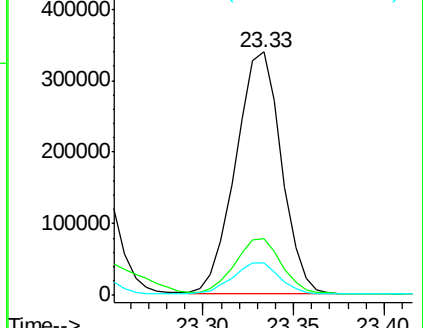
125 13.5 8.2 12.4#



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: 15.029 ng/ul

RT: 25.62 min Scan# 3848

Delta R.T. 0.01 min

Lab File: BN001121.D

Acq: 03 May 2018 23:17

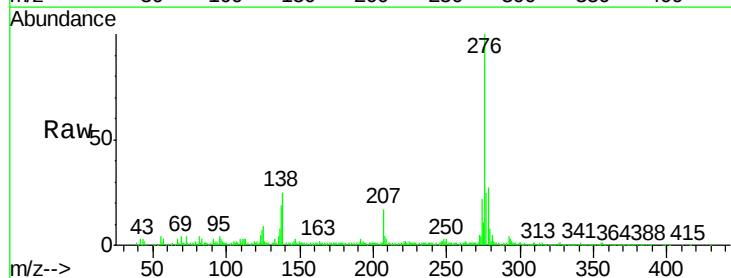
Tgt Ion:276 Resp: 432475

Ion Ratio Lower Upper

276 100

138 25.3 14.4 21.6#

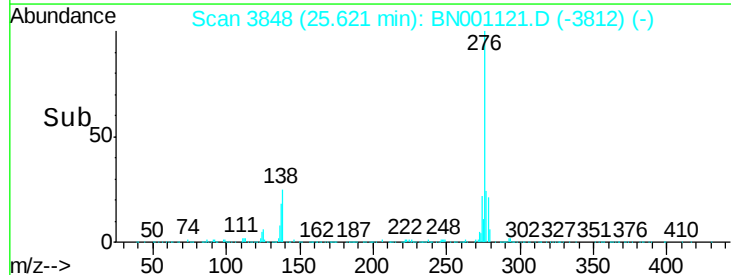
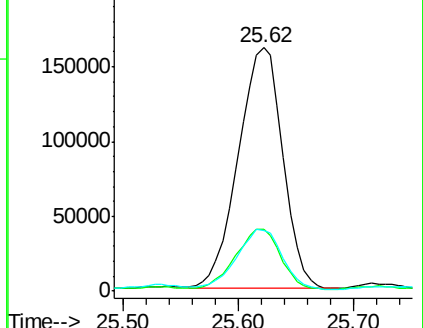
277 25.0 18.0 27.0

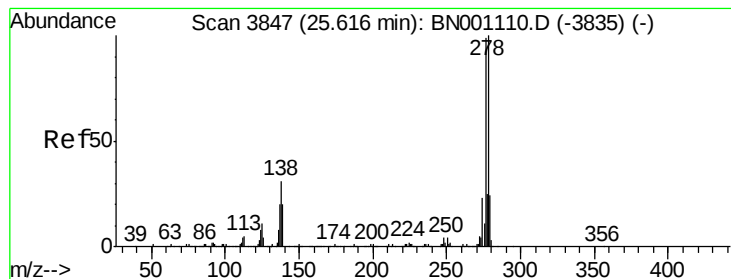


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 5.598 ng/ul

RT: 25.62 min Scan# 3847

Delta R.T. 0.00 min

Lab File: BN001121.D

Acq: 03 May 2018 23:17

Instrument :

BNA_N

ClientSampled :

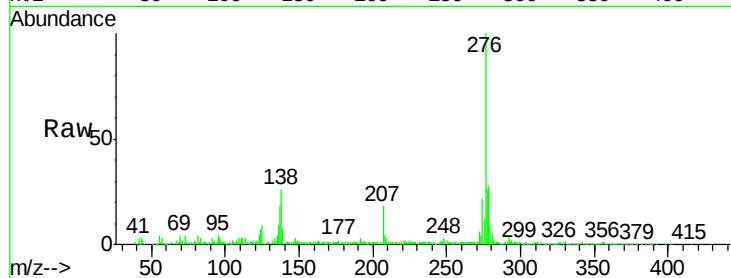
Tot Ion:278 Resp: 134267

Ion Ratio Lower Upper

278 100

139 25.2 12.2 18.4#

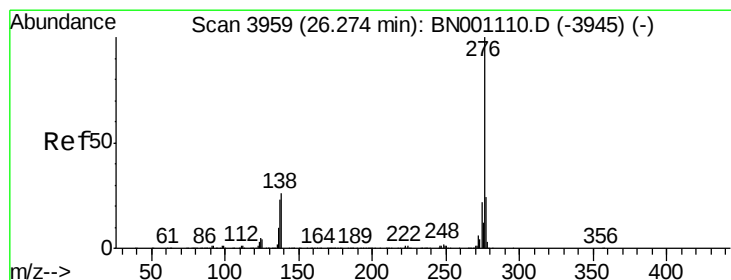
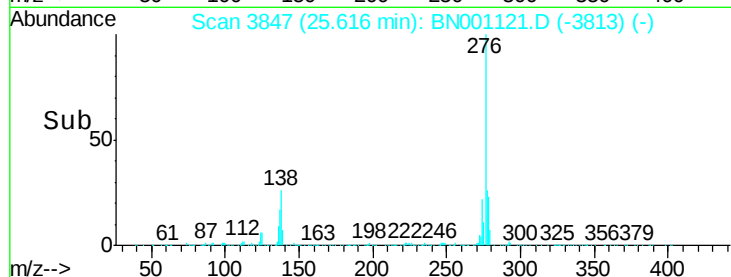
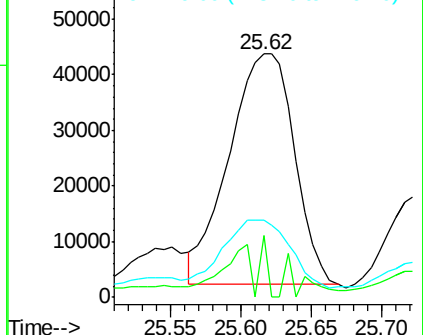
279 31.9 19.2 28.8#



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: 16.657 ng/ul

RT: 26.29 min Scan# 3962

Delta R.T. 0.02 min

Lab File: BN001121.D

Acq: 03 May 2018 23:17

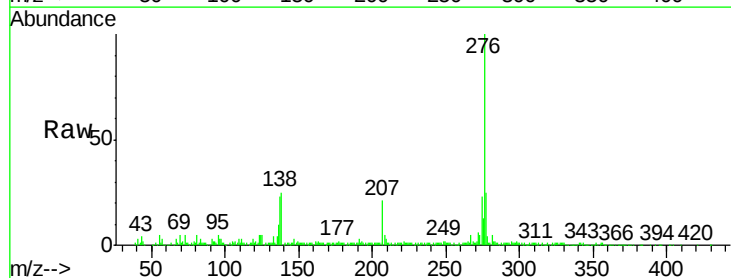
Tgt Ion:276 Resp: 400885

Ion Ratio Lower Upper

276 100

138 25.4 15.3 22.9#

277 25.5 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

