

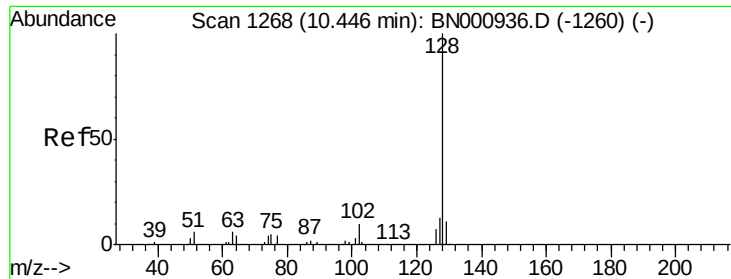
Data Path : Z:\HPCHEM1\BNA N\DATA\BN042618\
 Data File : BN000953.D
 Acq On : 27 Apr 2018 03:19
 Operator : JU/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 27 08:26:44 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 27 08:22:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	209785	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	893350	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	452171	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	806370	20.00	ng/ul	0.00
17) Chrysene-d12	21.22	240	628589	20.00	ng/ul	0.00
22) Perylene-d12	23.41	264	656526	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	13.95	160	917027	21.12	ng/ul	0.00
10) Fluorene-d10	15.26	176	581696	20.07	ng/ul	0.00
14) Anthracene-d10	17.10	188	766943	20.80	ng/ul	0.00
18) Pyrene-d10	19.41	212	686495	21.31	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.27	264	656964	21.18	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	919028	20.412	ng/ul	100
4) 2-Methylnaphthalene	12.06	142	614171	20.445	ng/ul	99
5) 1-Methylnaphthalene	12.28	142	603430	20.480	ng/ul#	94
8) Acenaphthylene	13.97	152	889001	20.684	ng/ul	99
9) Acenaphthene	14.32	153	603244	20.314	ng/ul	95
11) Fluorene	15.31	166	628766	19.889	ng/ul	93
13) Phenanthrene	17.05	178	889980	20.236	ng/ul	99
15) Anthracene	17.14	178	899550	20.392	ng/ul	99
16) Fluoranthene	19.07	202	860155	19.277	ng/ul#	94
19) Pyrene	19.44	202	849491	21.040	ng/ul#	91
20) Benzo(a)anthracene	21.20	228	776621	20.668	ng/ul	99
21) Chrysene	21.25	228	721642	20.433	ng/ul	99
23) Benzo(b)fluoranthene	22.76	252	754603	20.225	ng/ul#	97
24) Benzo(k)fluoranthene	22.76	252	789338	21.620	ng/ul	97
26) Benzo(a)pyrene	23.32	252	741882	20.806	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	25.60	276	897088	20.830	ng/ul#	86
28) Dibenzo(a,h)anthracene	25.60	278	751524	20.937	ng/ul#	96
29) Benzo(a,h,i)perylene	26.26	276	757201	21.021	ng/ul#	94

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



#3

Naphthalene

Concen: 20.412 ng/ul

RT: 10.44 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BN000953.D

Acq: 27 Apr 2018 03:19

Instrument :

BNA_N

ClientSampleId :

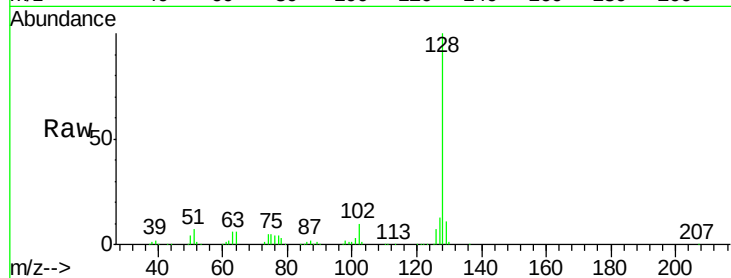
Tot Ion:128 Resp: 919028

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

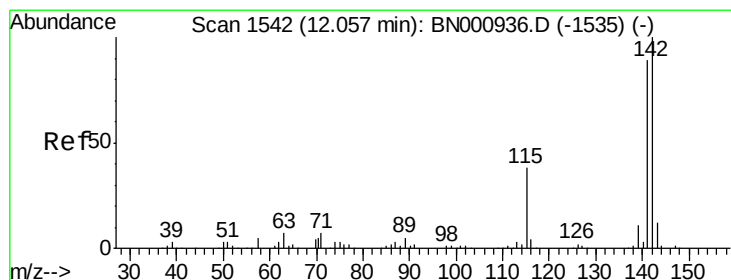
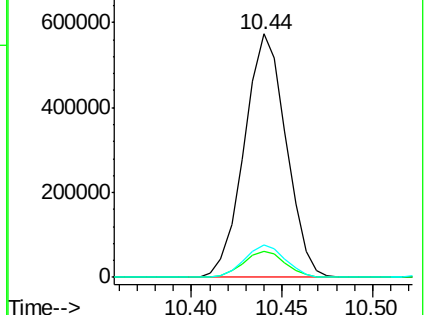
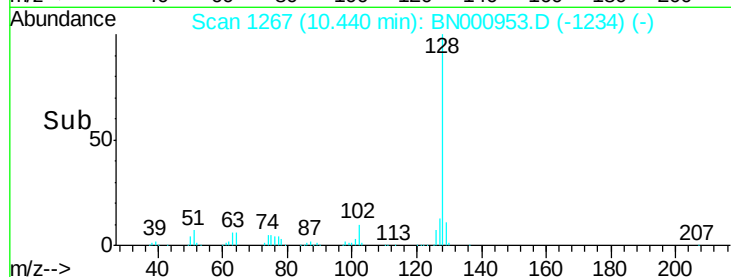
127 13.2 10.6 16.0



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: 20.445 ng/ul

RT: 12.06 min Scan# 1542

Delta R.T. -0.00 min

Lab File: BN000953.D

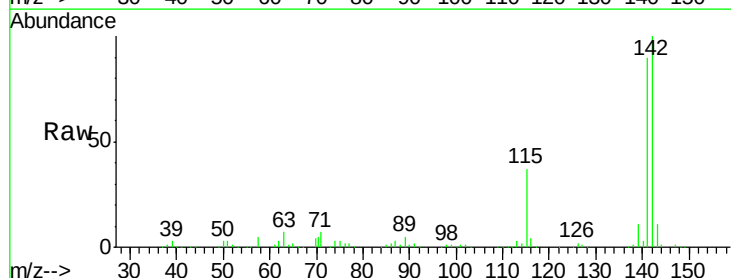
Acq: 27 Apr 2018 03:19

Tgt Ion:142 Resp: 614171

Ion Ratio Lower Upper

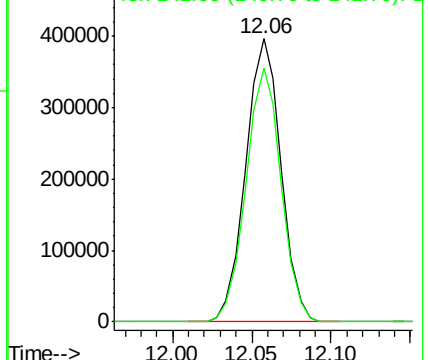
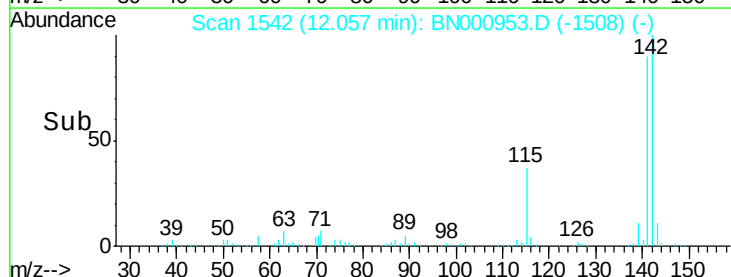
142 100

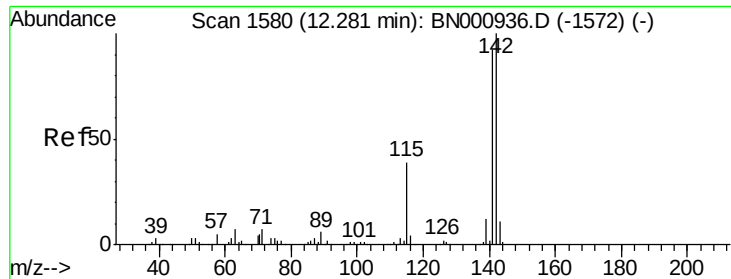
141 89.6 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 20.480 ng/ul

RT: 12.28 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BN000953.D

Acq: 27 Apr 2018 03:19

Instrument :

BNA_N

ClientSampleId :

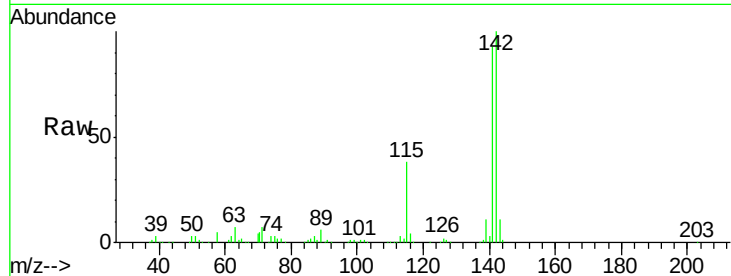
Tot Ion:142 Resp: 603430

Ion Ratio Lower Upper

142 100

141 92.5 79.3 118.9

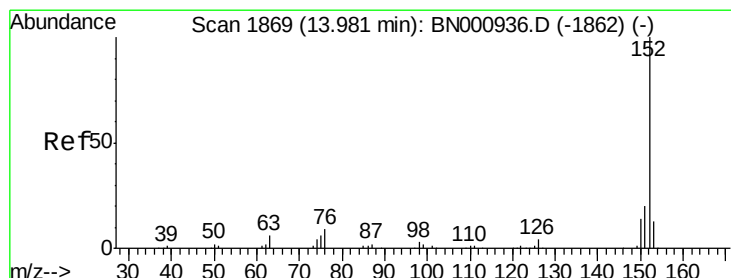
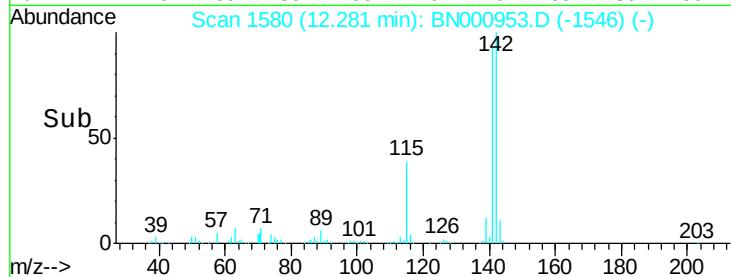
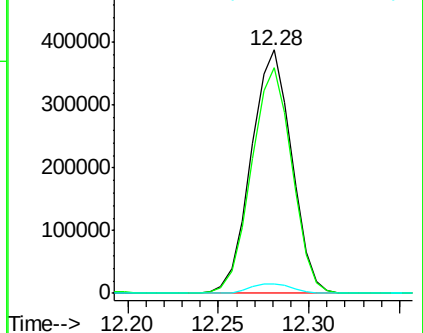
116 4.0 4.2 6.2#



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: 20.684 ng/ul

RT: 13.97 min Scan# 1868

Delta R.T. -0.01 min

Lab File: BN000953.D

Acq: 27 Apr 2018 03:19

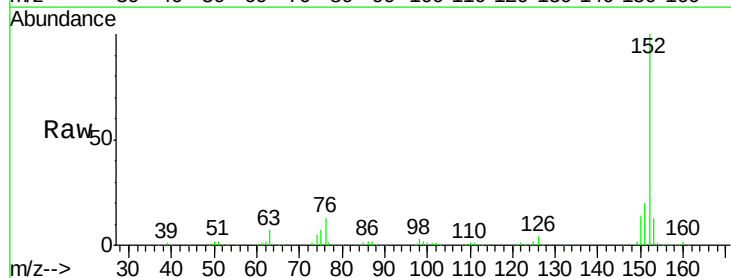
Tgt Ion:152 Resp: 889001

Ion Ratio Lower Upper

152 100

151 20.3 16.7 25.1

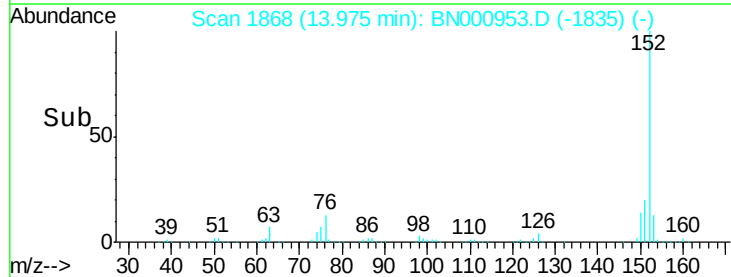
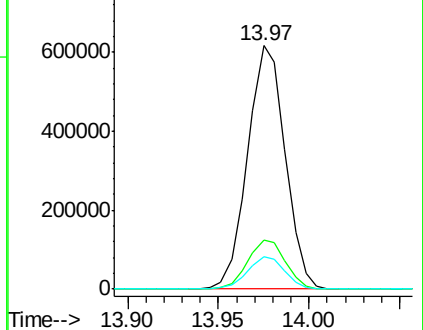
153 13.2 10.2 15.4

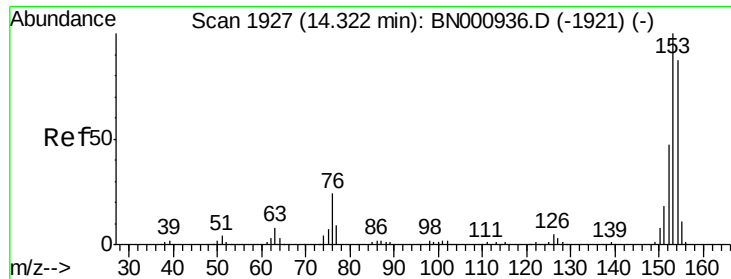


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.314 ng/ul

RT: 14.32 min Scan# 1927

Delta R.T. -0.00 min

Lab File: BN000953.D

Acq: 27 Apr 2018 03:19

Instrument :

BNA_N

ClientSampled :

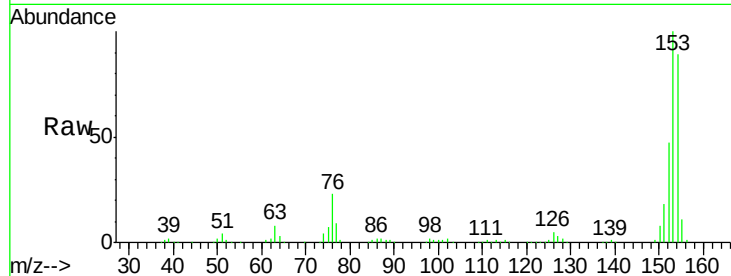
Tot Ion:153 Resp: 603244

Ion Ratio Lower Upper

153 100

152 47.4 39.0 58.6

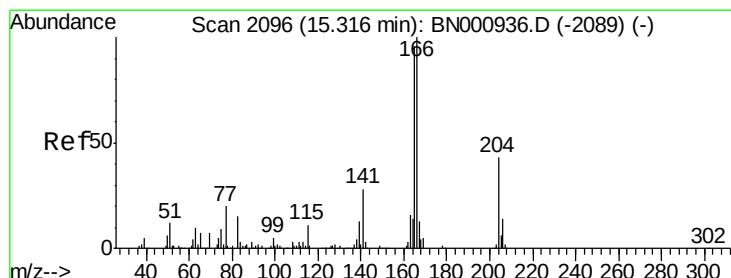
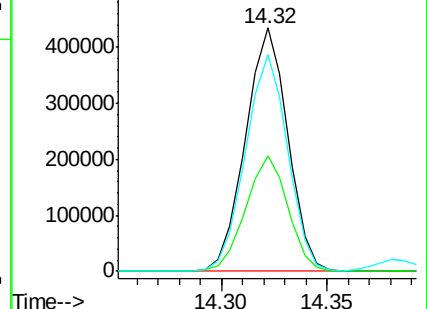
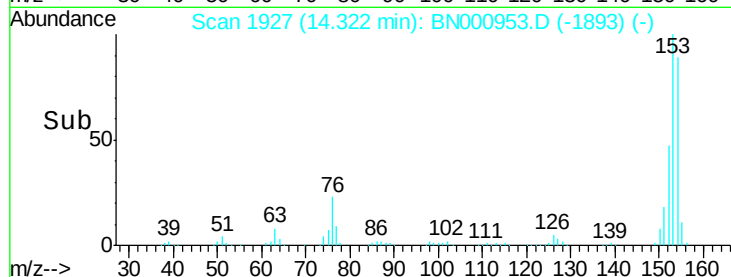
154 89.0 66.8 100.2



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: 19.889 ng/ul

RT: 15.31 min Scan# 2095

Delta R.T. -0.01 min

Lab File: BN000953.D

Acq: 27 Apr 2018 03:19

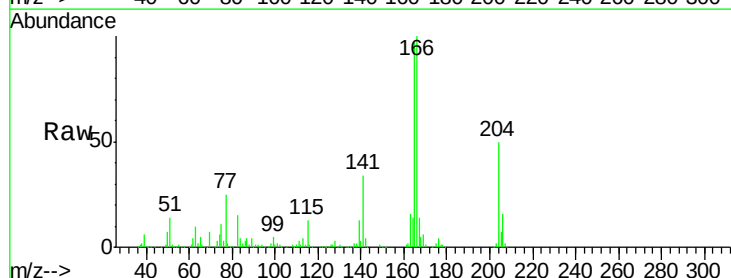
Tgt Ion:166 Resp: 628766

Ion Ratio Lower Upper

166 100

165 96.9 83.8 125.8

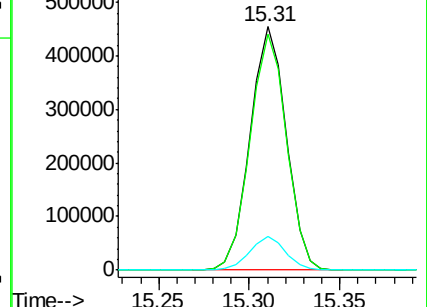
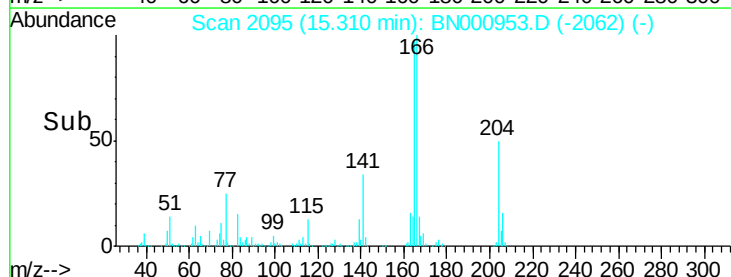
167 13.7 11.5 17.3

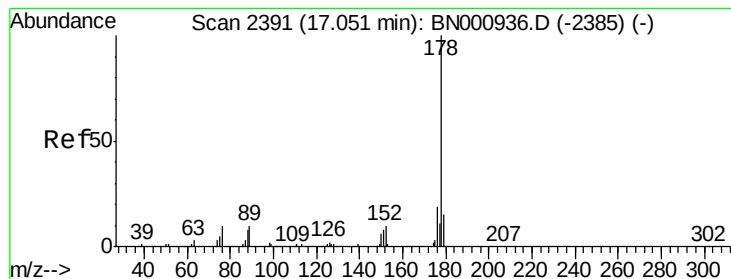


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 20.236 ng/ul

RT: 17.05 min Scan# 2391

Delta R.T. -0.00 min

Lab File: BN000953.D

Acq: 27 Apr 2018 03:19

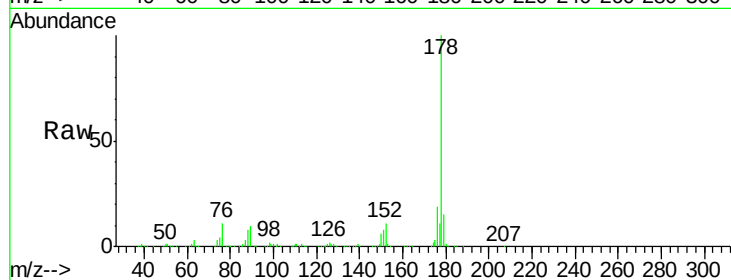
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 889980

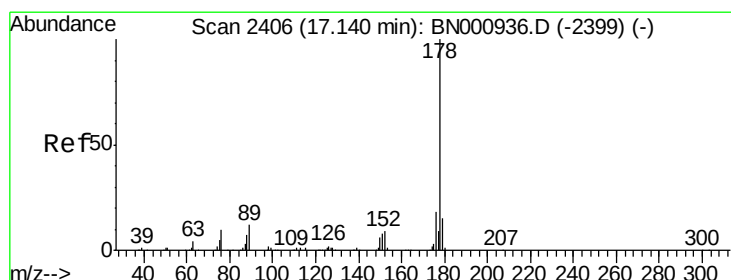
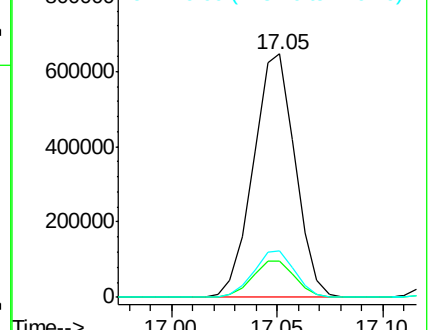
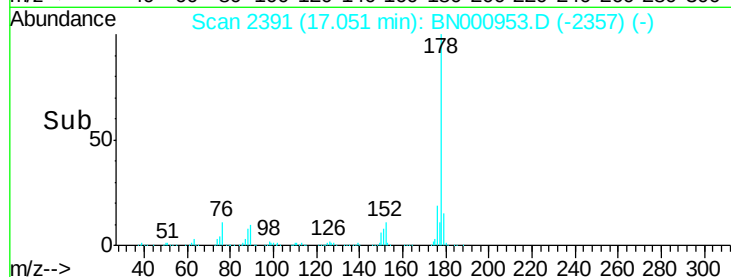
Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.3	18.5
176	19.0	15.1	22.7



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: 20.392 ng/ul

RT: 17.14 min Scan# 2406

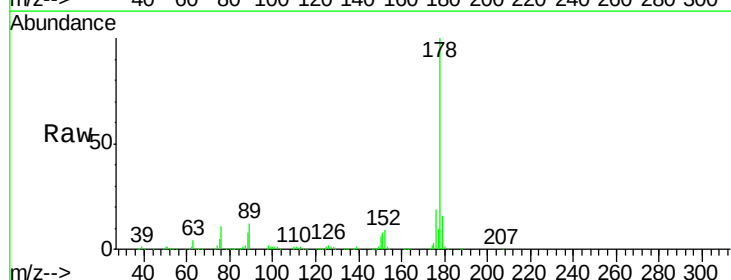
Delta R.T. -0.00 min

Lab File: BN000953.D

Acq: 27 Apr 2018 03:19

Tgt Ion:178 Resp: 899550

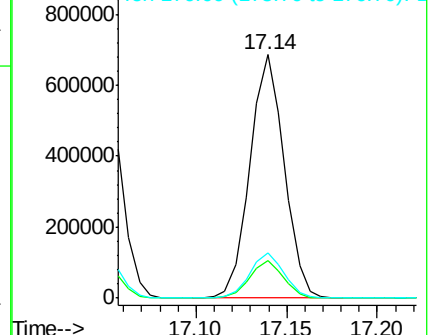
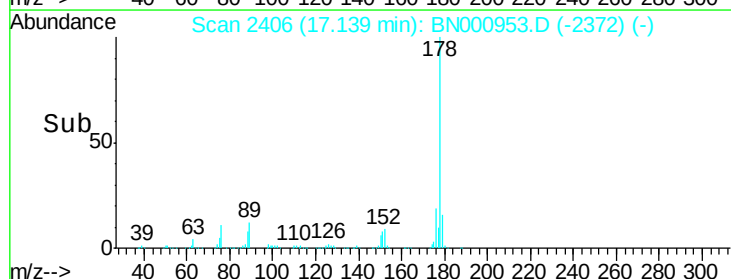
Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.8	17.8
176	18.7	15.2	22.8

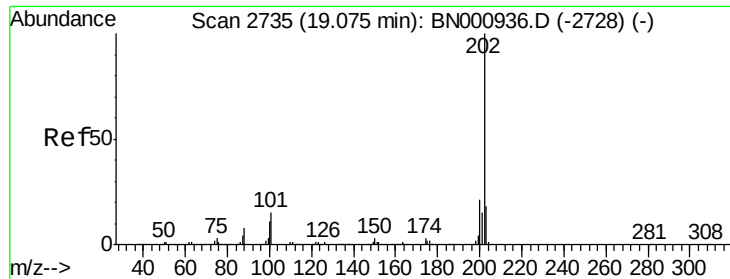


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

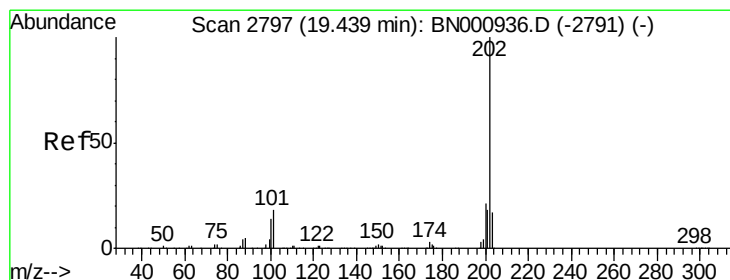
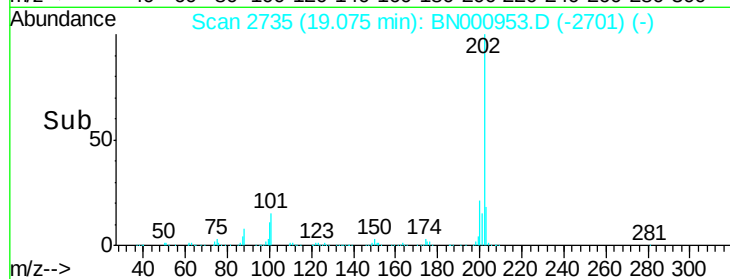
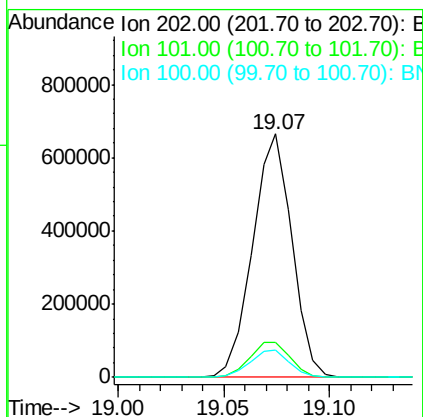
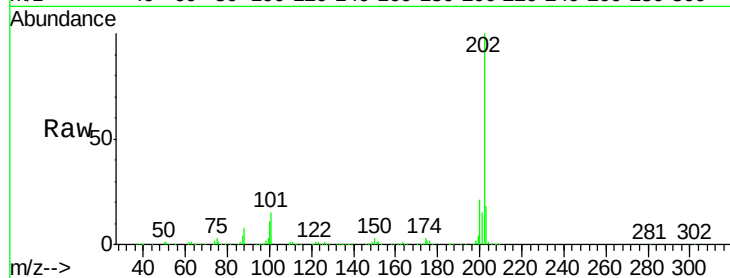




#16
Fluoranthene
Concen: 19.277 ng/ul
RT: 19.07 min Scan# 2735
Delta R.T. -0.00 min
Lab File: BN000953.D
Acq: 27 Apr 2018 03:19

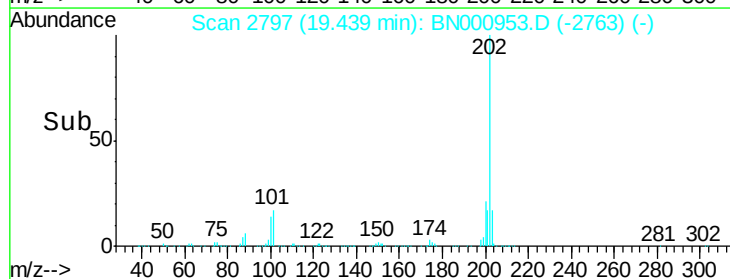
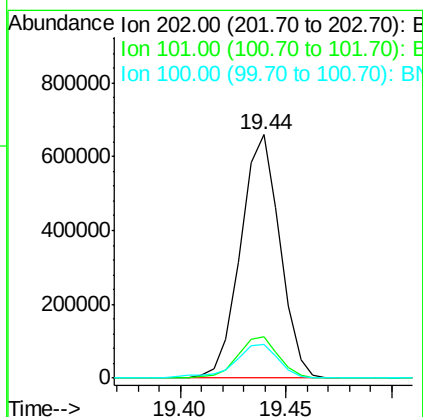
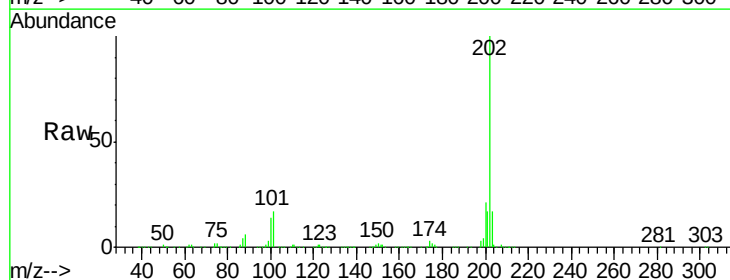
Instrument :
BNA_N
ClientSampleId :

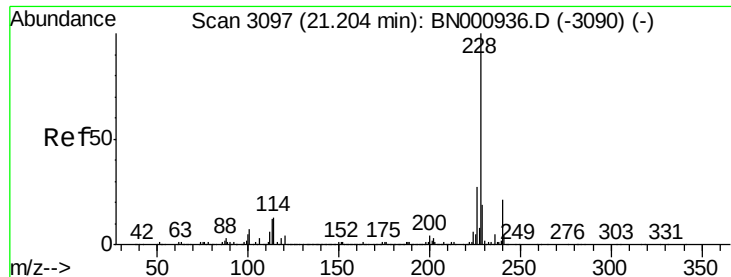
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.5	9.9	14.9
100	11.3	7.4	11.0



#19
Pyrene
Concen: 21.040 ng/ul
RT: 19.44 min Scan# 2797
Delta R.T. -0.00 min
Lab File: BN000953.D
Acq: 27 Apr 2018 03:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.9	11.0	16.4
100	14.1	8.1	12.1





#20

Benzo(a)anthracene

Concen: 20.668 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BN000953.D

Acq: 27 Apr 2018 03:19

Instrument :

BNA_N

ClientSampleId :

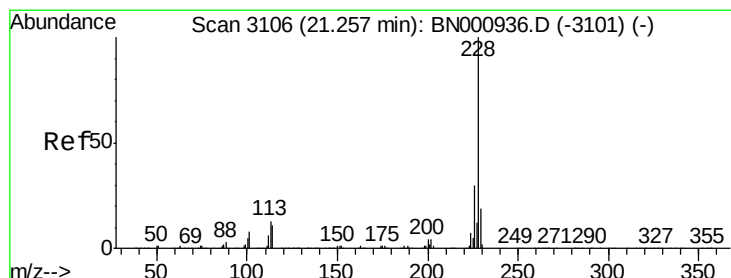
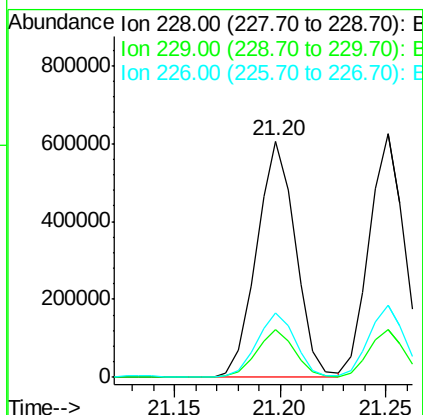
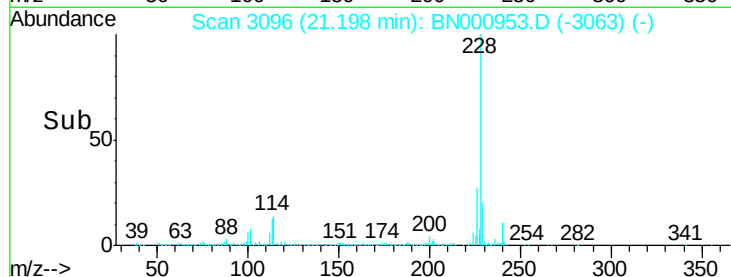
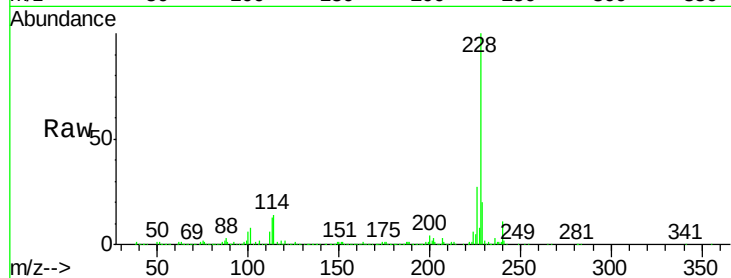
Tot Ion:228 Resp: 776621

Ion Ratio Lower Upper

228 100

229 20.1 15.7 23.5

226 27.2 21.1 31.7



#21

Chrysene

Concen: 20.433 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BN000953.D

Acq: 27 Apr 2018 03:19

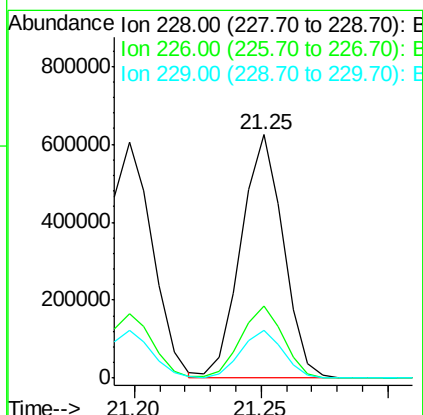
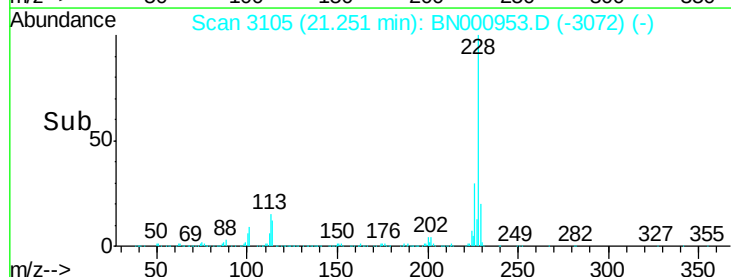
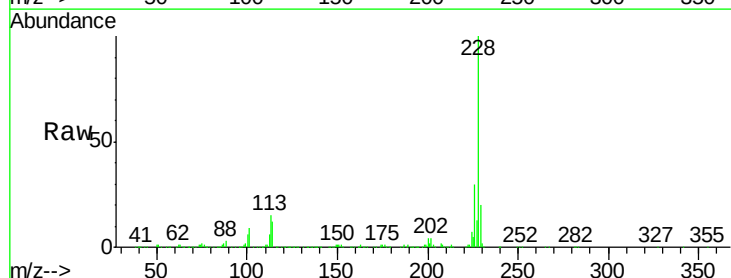
Tgt Ion:228 Resp: 721642

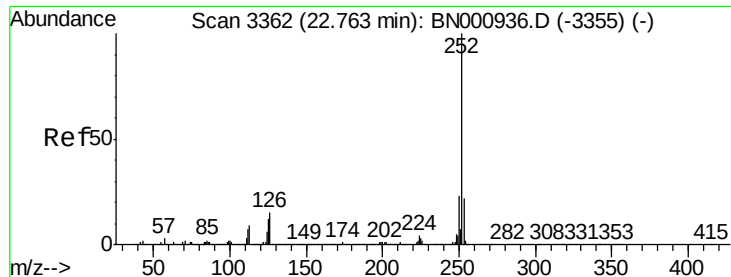
Ion Ratio Lower Upper

228 100

226 29.6 24.5 36.7

229 19.5 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 20.225 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. -0.01 min

Lab File: BN000953.D

Acq: 27 Apr 2018 03:19

Instrument :

BNA_N

ClientSampleId :

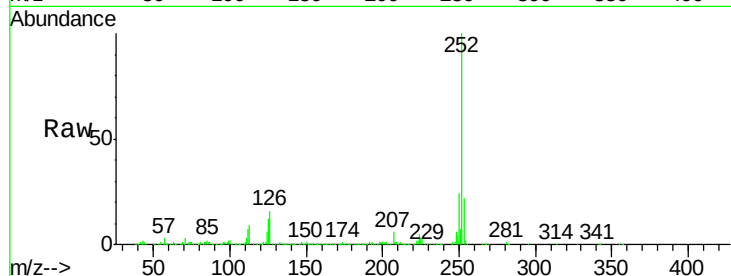
Tot Ion:252 Resp: 754603

Ion Ratio Lower Upper

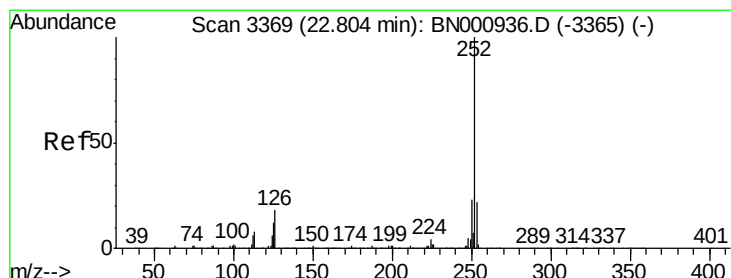
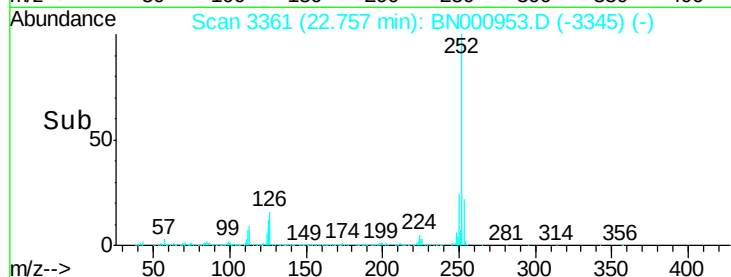
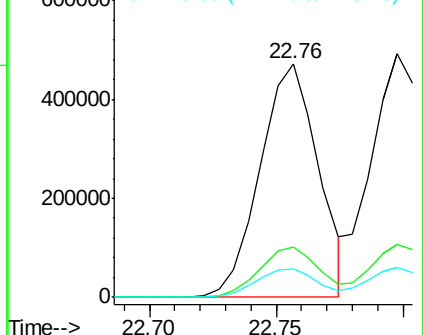
252 100

253 21.8 18.0 27.0

125 12.1 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: 21.620 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. -0.05 min

Lab File: BN000953.D

Acq: 27 Apr 2018 03:19

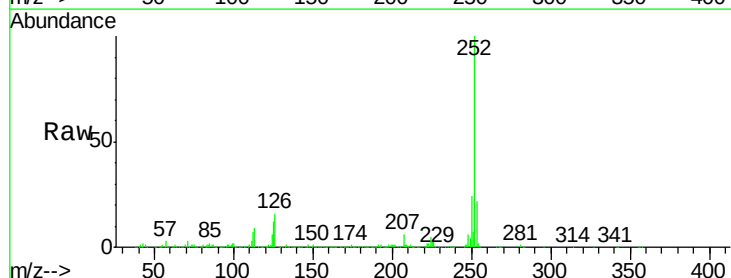
Tgt Ion:252 Resp: 789338

Ion Ratio Lower Upper

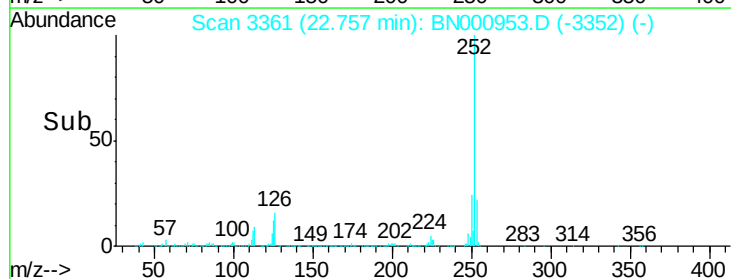
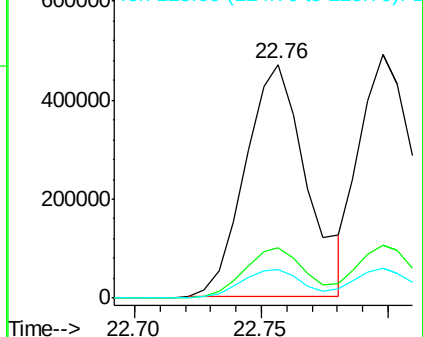
252 100

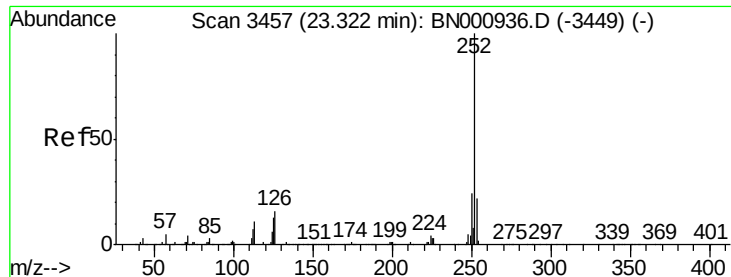
253 21.8 18.0 27.0

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: 20.806 ng/ul

RT: 23.32 min Scan# 3456

Delta R.T. -0.01 min

Lab File: BN000953.D

Acq: 27 Apr 2018 03:19

Instrument :

BNA_N

ClientSampleId :

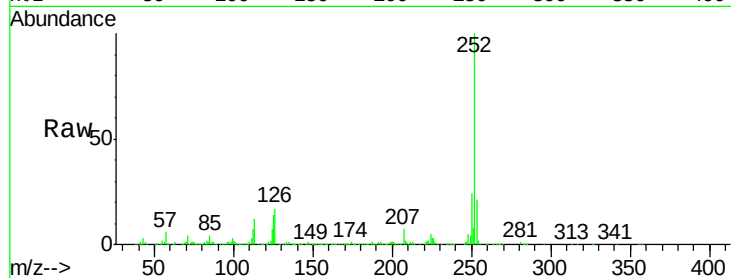
Tot Ion:252 Resp: 741882

Ion Ratio Lower Upper

252 100

253 21.2 17.2 25.8

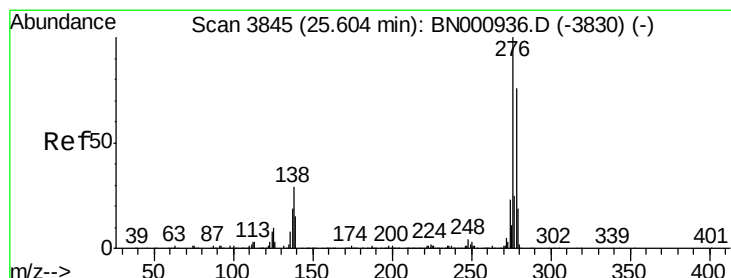
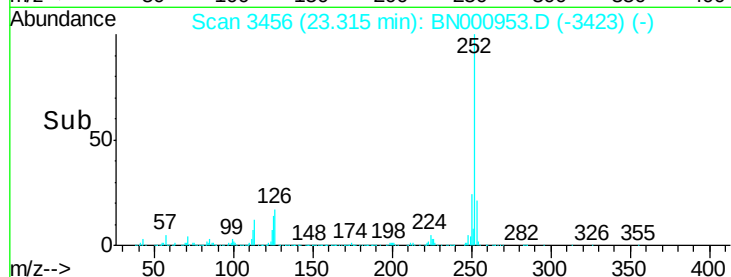
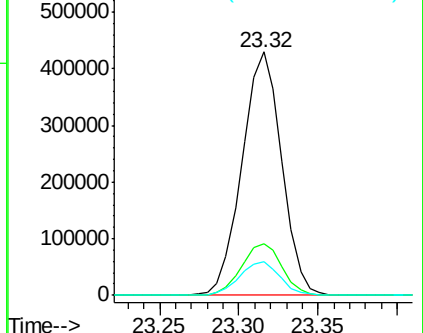
125 13.9 8.2 12.4#



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: 20.830 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. -0.01 min

Lab File: BN000953.D

Acq: 27 Apr 2018 03:19

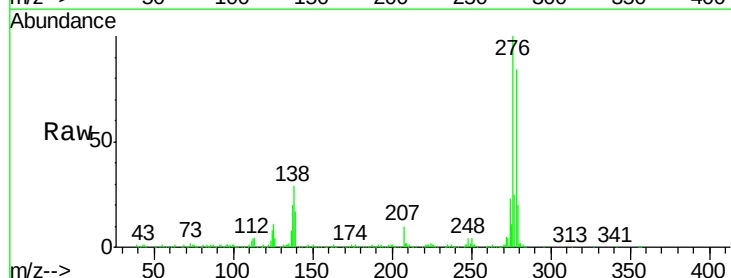
Tgt Ion:276 Resp: 897088

Ion Ratio Lower Upper

276 100

138 29.4 14.4 21.6#

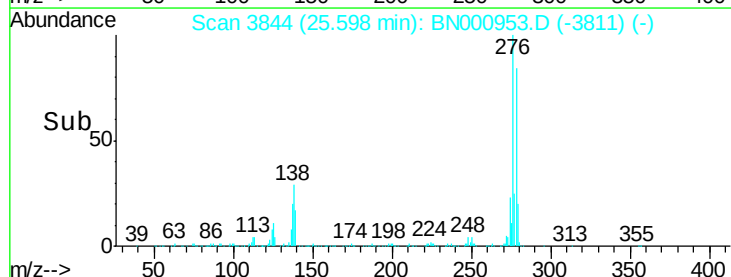
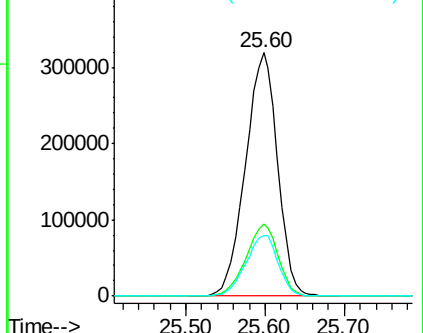
277 24.9 18.0 27.0

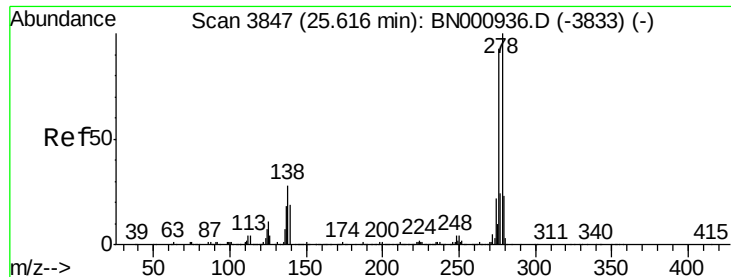


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

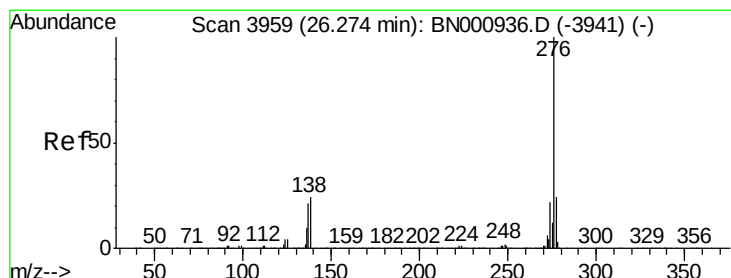
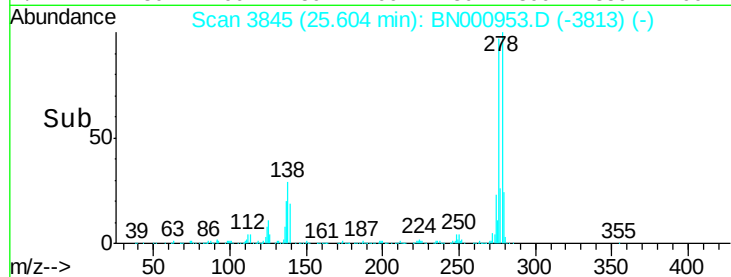
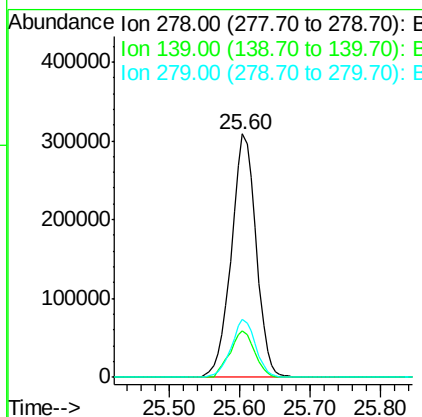
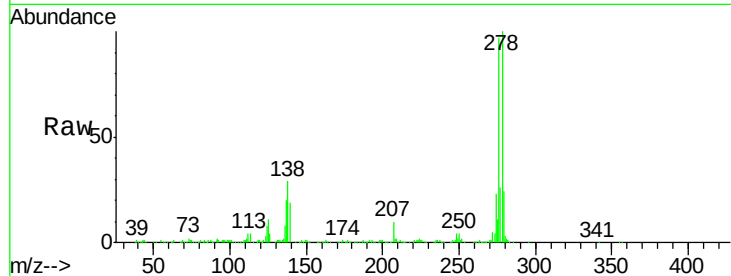




#28
Dibenzo(a,h)anthracene
Concen: 20.937 ng/ul
RT: 25.60 min Scan# 3845
Delta R.T. -0.01 min
Lab File: BN000953.D
Acq: 27 Apr 2018 03:19

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 751524
Ion Ratio Lower Upper
278 100
139 19.1 12.2 18.4#
279 23.8 19.2 28.8



#29
Benzo(g,h,i)perylene
Concen: 21.021 ng/ul
RT: 26.26 min Scan# 3957
Delta R.T. -0.01 min
Lab File: BN000953.D
Acq: 27 Apr 2018 03:19

Tgt Ion:276 Resp: 757201
Ion Ratio Lower Upper
276 100
138 25.5 15.3 22.9#
277 23.6 19.0 28.4

