

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042618\
 Data File : BN000961.D
 Acq On : 27 Apr 2018 08:05
 Operator : JU/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 27 09:27:54 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 27 09:25:35 2018
 Response via : Initial Calibration

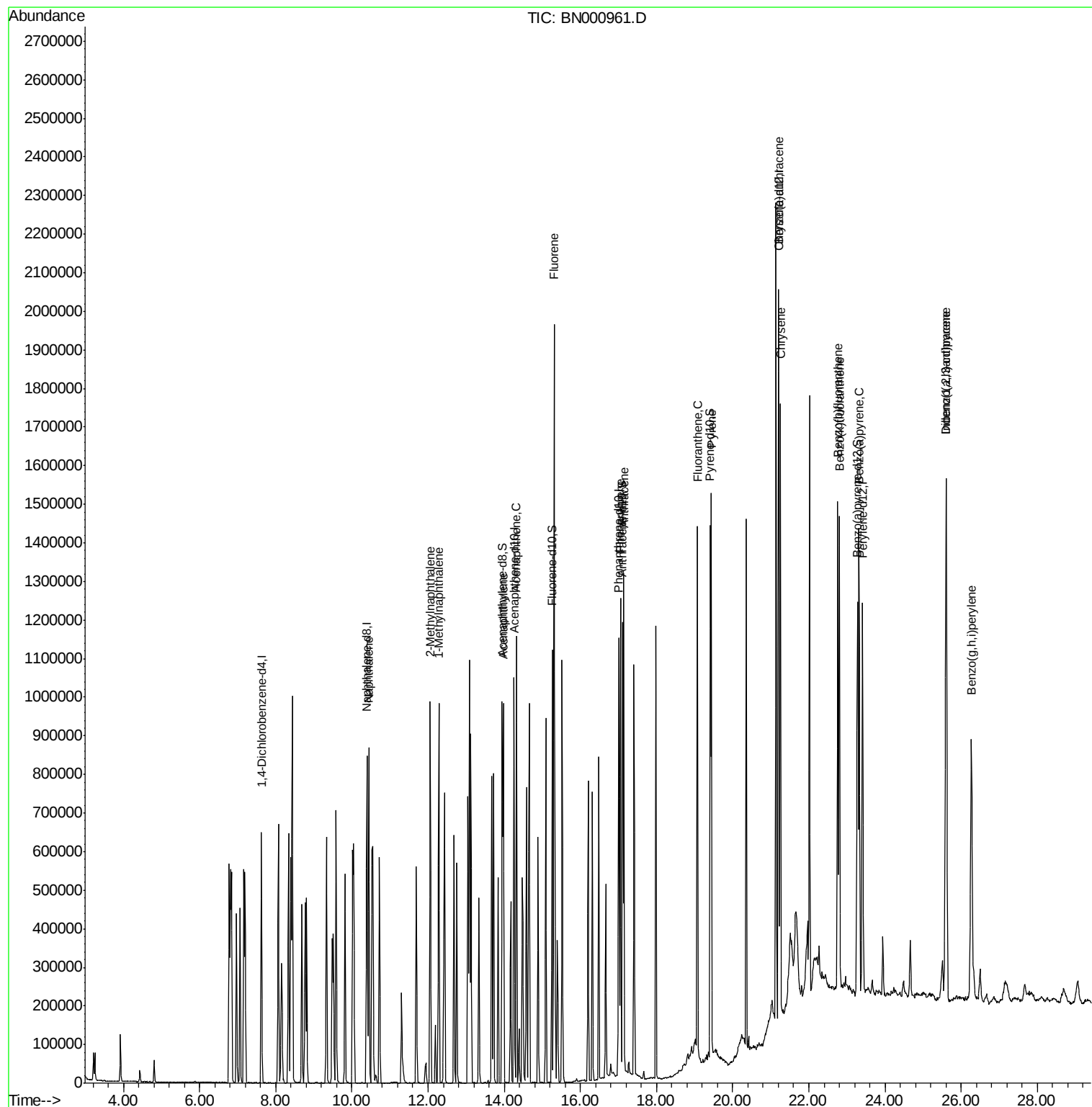
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	166595	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	666017	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	323217	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	623370	20.00	ng/ul	0.00
17) Chrysene-d12	21.22	240	602171	20.00	ng/ul	0.00
22) Perylene-d12	23.41	264	643995	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	13.95	160	658445	21.21	ng/ul	0.00
10) Fluorene-d10	15.26	176	416505	20.10	ng/ul	0.00
14) Anthracene-d10	17.10	188	602104	21.12	ng/ul	0.00
18) Pyrene-d10	19.41	212	620412	20.11	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.27	264	638646	20.99	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	684160	20.382	ng/ul	100
4) 2-Methylnaphthalene	12.06	142	448109	20.009	ng/ul	98
5) 1-Methylnaphthalene	12.28	142	436291	19.862	ng/ul#	91
8) Acenaphthylene	13.97	152	639890	20.828	ng/ul	98
9) Acenaphthene	14.32	153	431612	20.333	ng/ul	95
11) Fluorene	15.31	166	455752	20.168	ng/ul	93
13) Phenanthrene	17.05	178	695466	20.455	ng/ul	100
15) Anthracene	17.14	178	708970	20.790	ng/ul	99
16) Fluoranthene	19.07	202	763458	22.133	ng/ul#	94
19) Pyrene	19.44	202	761058	19.677	ng/ul#	90
20) Benzo(a)anthracene	21.20	228	745084	20.699	ng/ul	100
21) Chrysene	21.25	228	692430	20.466	ng/ul	100
23) Benzo(b)fluoranthene	22.76	252	718745	19.639	ng/ul#	98
24) Benzo(k)fluoranthene	22.80	252	719899	20.102	ng/ul	97
26) Benzo(a)pyrene	23.32	252	720380	20.596	ng/ul#	97
27) Indeno(1,2,3-cd)pyrene	25.60	276	870424	20.604	ng/ul#	84
28) Dibenzo(a,h)anthracene	25.61	278	727949	20.675	ng/ul#	97
29) Benzo(g,h,i)perylene	26.27	276	729846	20.656	ng/ul#	94

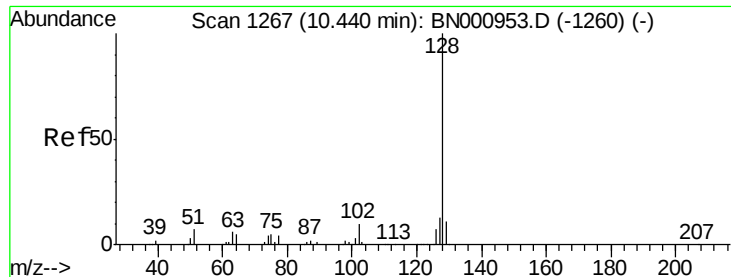
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 20.382 ng/ul

RT: 10.44 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BN000961.D

Acq: 27 Apr 2018 08:05

Instrument :

BNA_N

ClientSampleId :

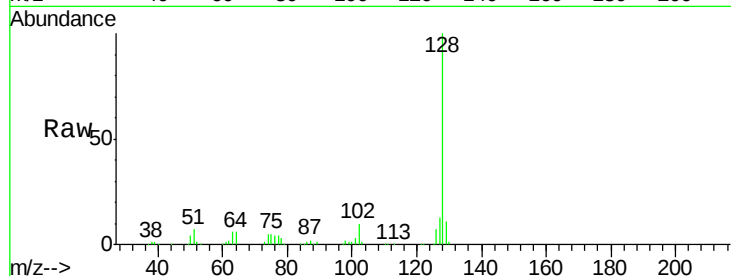
Tot Ion:128 Resp: 684160

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

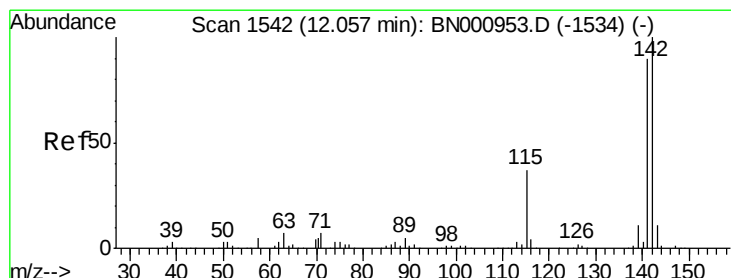
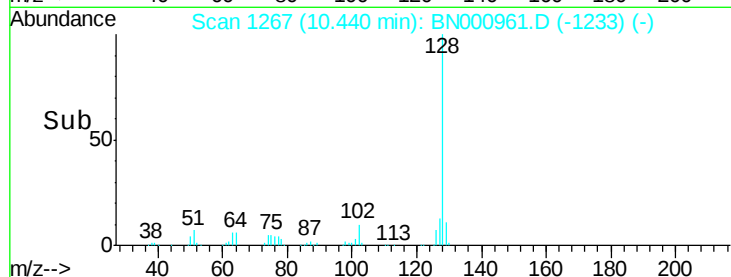
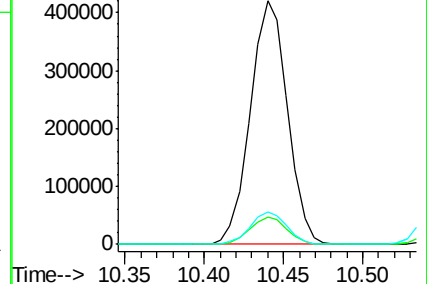
127 13.2 10.6 16.0



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: 20.009 ng/ul

RT: 12.06 min Scan# 1542

Delta R.T. 0.00 min

Lab File: BN000961.D

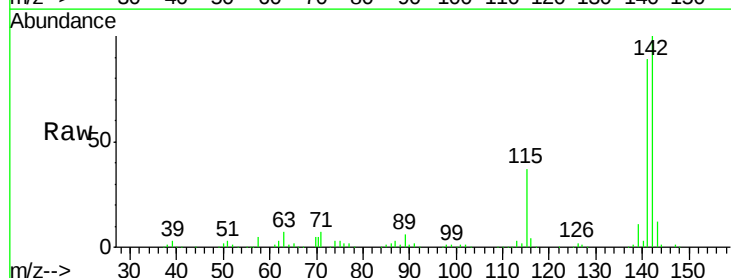
Acq: 27 Apr 2018 08:05

Tgt Ion:142 Resp: 448109

Ion Ratio Lower Upper

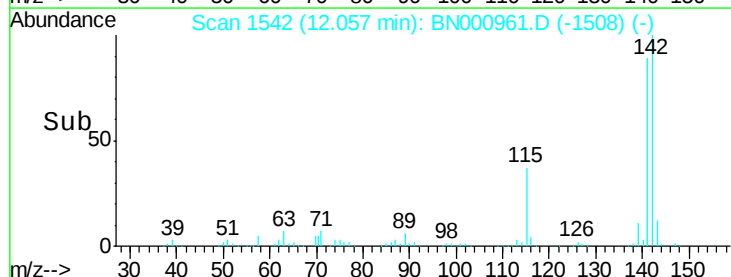
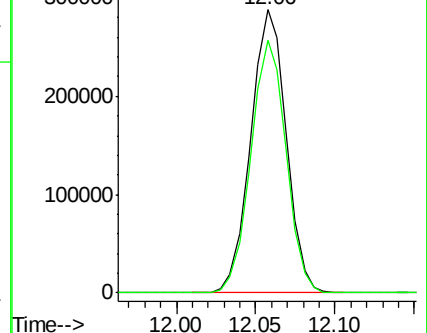
142 100

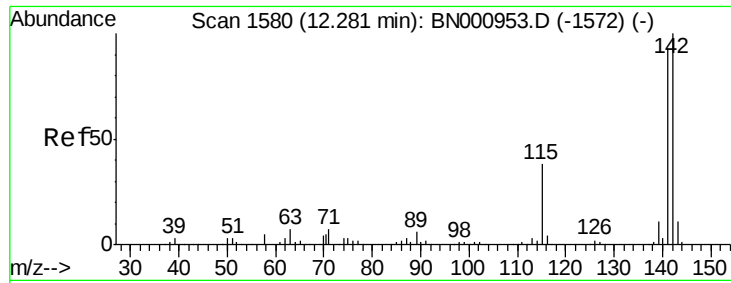
141 89.1 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 19.862 ng/ul

RT: 12.28 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BN000961.D

Acq: 27 Apr 2018 08:05

Instrument :

BNA_N

ClientSampleId :

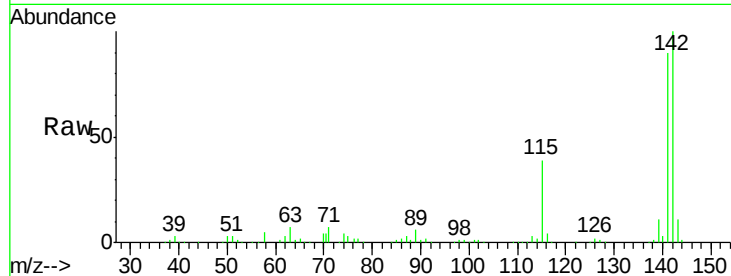
Tot Ion:142 Resp: 436291

Ion Ratio Lower Upper

142 100

141 90.1 79.3 118.9

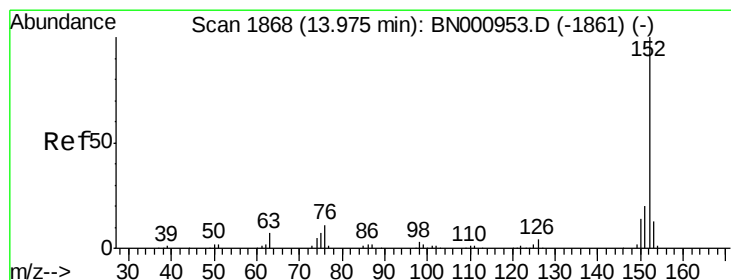
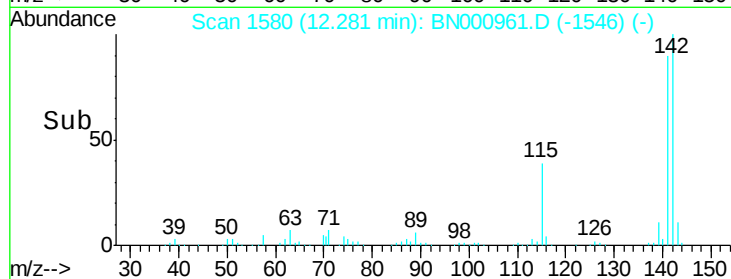
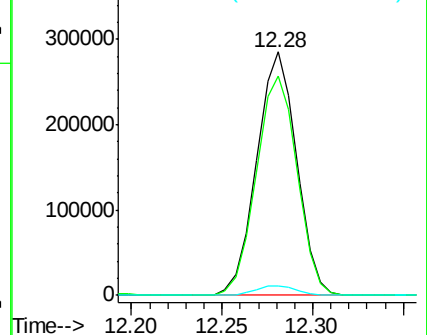
116 4.1 4.2 6.2#



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: 20.828 ng/ul

RT: 13.97 min Scan# 1868

Delta R.T. 0.00 min

Lab File: BN000961.D

Acq: 27 Apr 2018 08:05

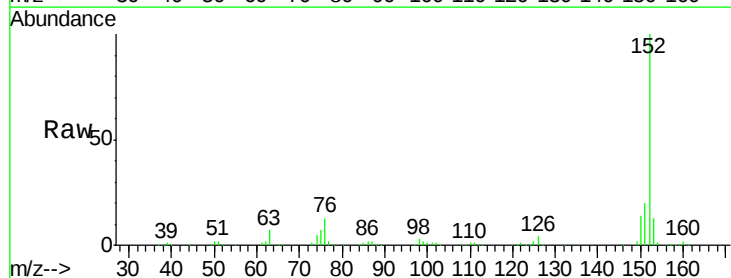
Tgt Ion:152 Resp: 639890

Ion Ratio Lower Upper

152 100

151 19.9 16.7 25.1

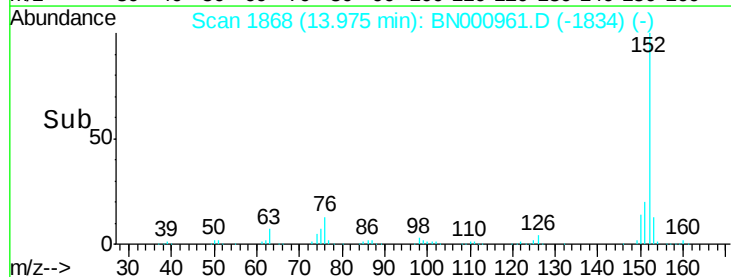
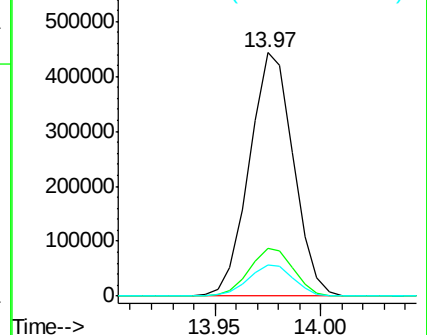
153 13.0 10.2 15.4

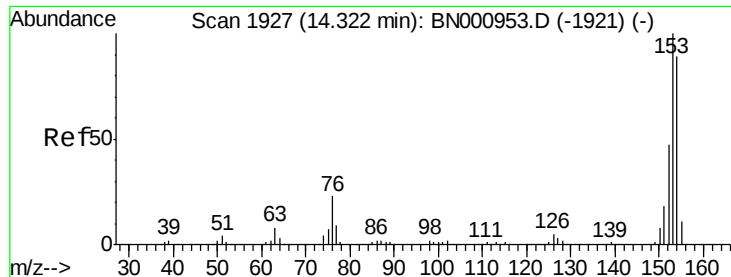


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.333 ng/ul

RT: 14.32 min Scan# 1927

Delta R.T. 0.00 min

Lab File: BN000961.D

Acq: 27 Apr 2018 08:05

Instrument :

BNA_N

ClientSampleId :

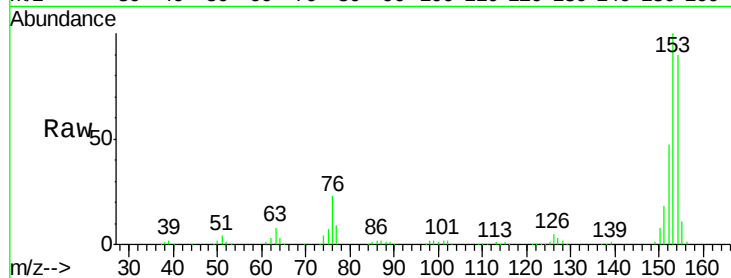
Tot Ion:153 Resp: 431612

Ion Ratio Lower Upper

153 100

152 47.4 39.0 58.6

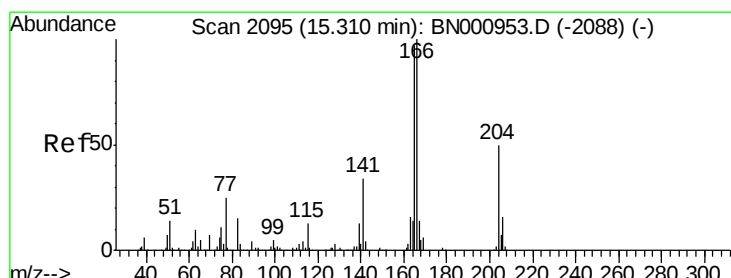
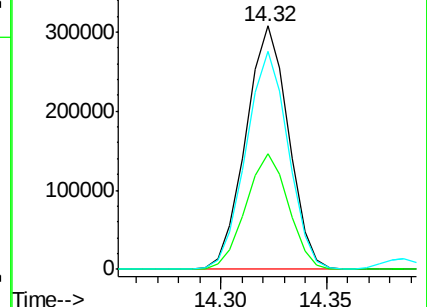
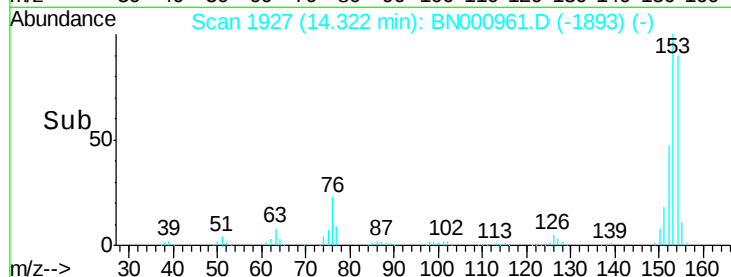
154 89.8 66.8 100.2



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: 20.168 ng/ul

RT: 15.31 min Scan# 2095

Delta R.T. 0.00 min

Lab File: BN000961.D

Acq: 27 Apr 2018 08:05

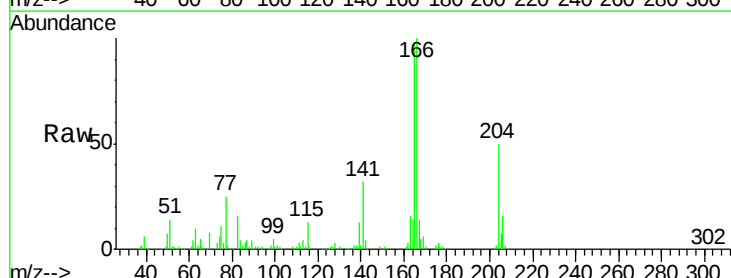
Tgt Ion:166 Resp: 455752

Ion Ratio Lower Upper

166 100

165 96.9 83.8 125.8

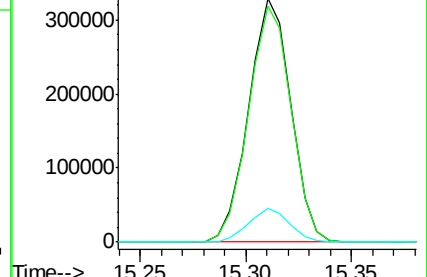
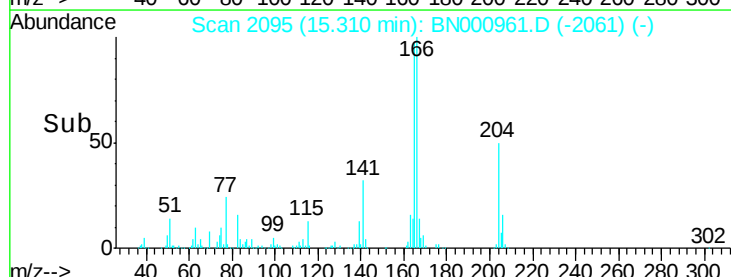
167 13.8 11.5 17.3

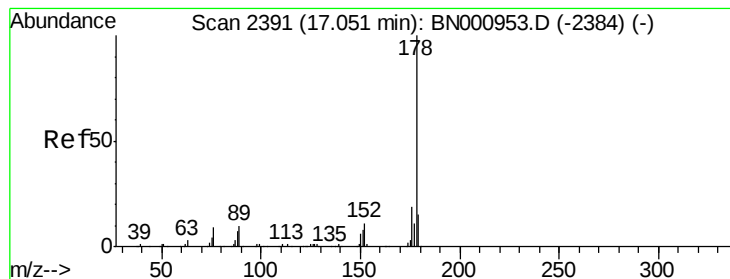


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 20.455 ng/ul

RT: 17.05 min Scan# 2391

Delta R.T. 0.00 min

Lab File: BN000961.D

Acq: 27 Apr 2018 08:05

Instrument :

BNA_N

ClientSampleId :

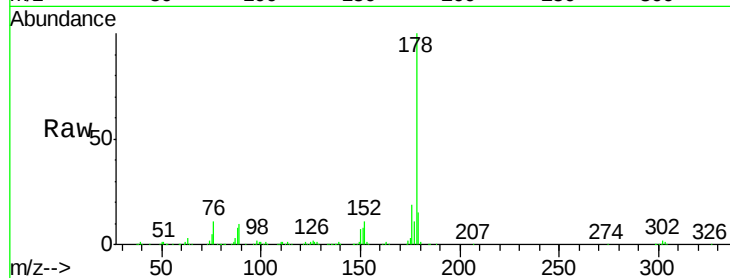
Tot Ion:178 Resp: 695466

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

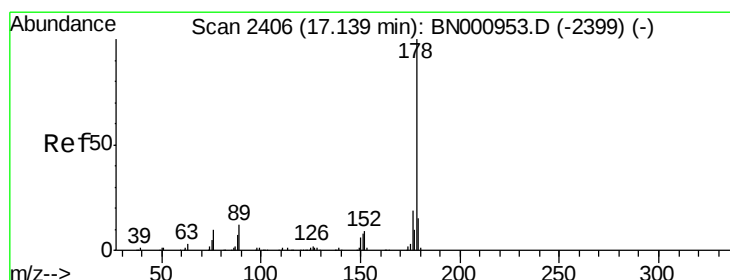
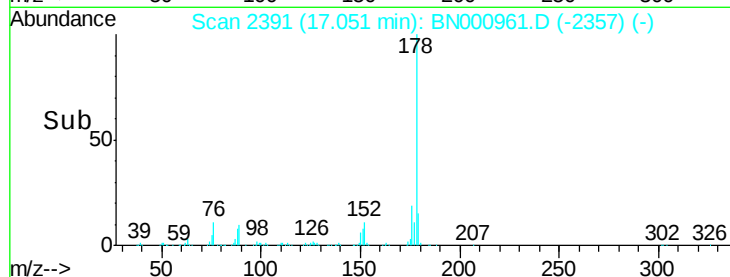
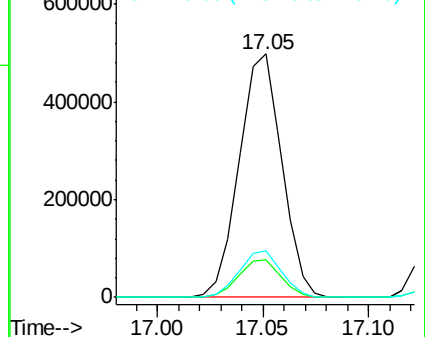
176 18.9 15.1 22.7



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: 20.790 ng/ul

RT: 17.14 min Scan# 2406

Delta R.T. 0.00 min

Lab File: BN000961.D

Acq: 27 Apr 2018 08:05

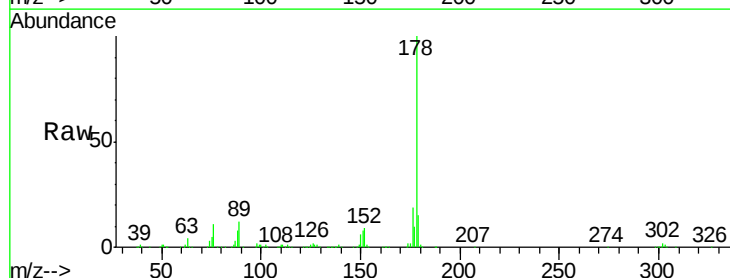
Tgt Ion:178 Resp: 708970

Ion Ratio Lower Upper

178 100

179 15.1 11.8 17.8

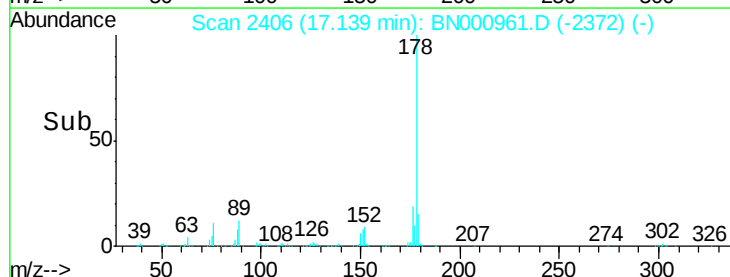
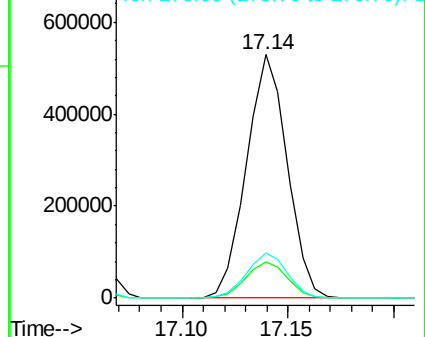
176 18.7 15.2 22.8

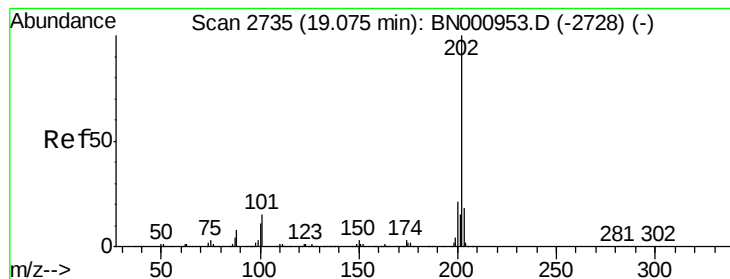


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 22.133 ng/ul

RT: 19.07 min Scan# 2735

Delta R.T. 0.00 min

Lab File: BN000961.D

Acq: 27 Apr 2018 08:05

Instrument :

BNA_N

ClientSampleId :

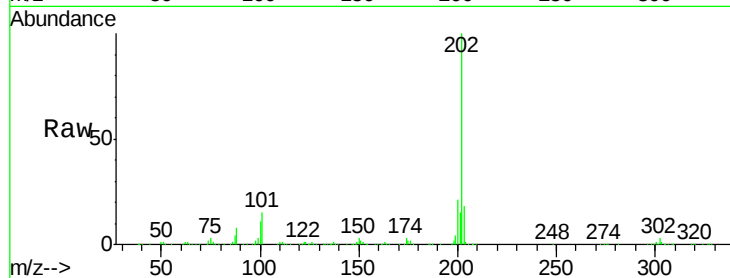
Tot Ion:202 Resp: 763458

Ion Ratio Lower Upper

202 100

101 14.9 9.9 14.9

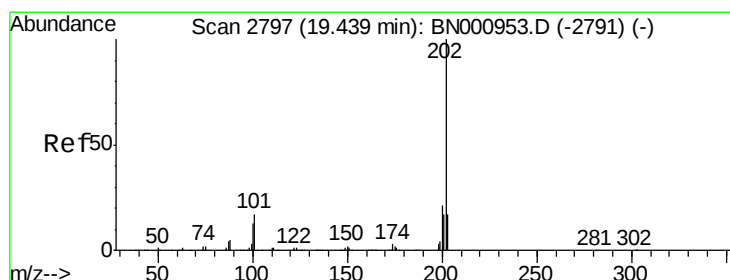
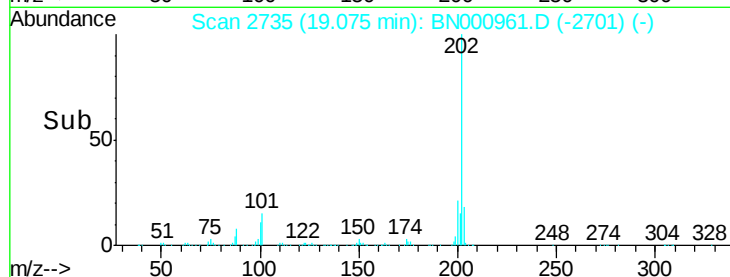
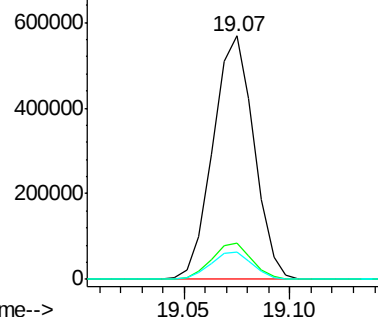
100 11.1 7.4 11.0#



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

Pyrene

Concen: 19.677 ng/ul

RT: 19.44 min Scan# 2797

Delta R.T. 0.00 min

Lab File: BN000961.D

Acq: 27 Apr 2018 08:05

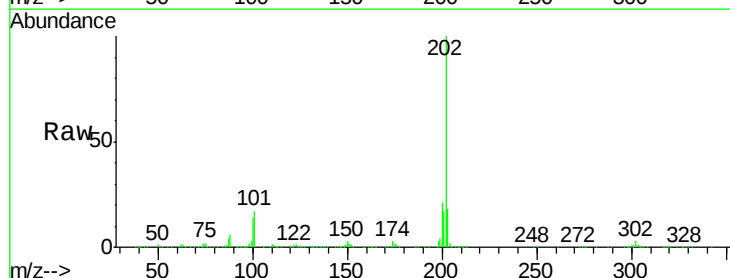
Tgt Ion:202 Resp: 761058

Ion Ratio Lower Upper

202 100

101 17.1 11.0 16.4#

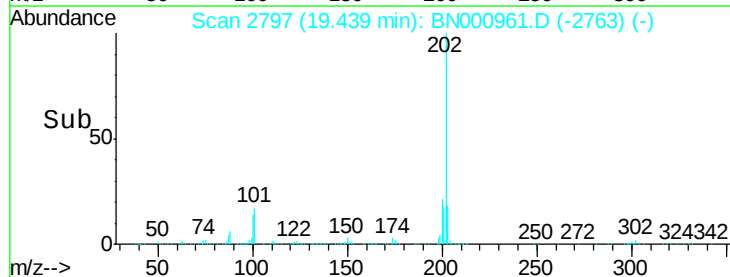
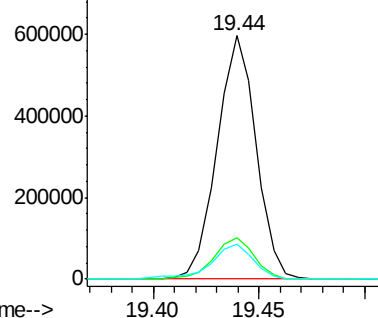
100 14.2 8.1 12.1#

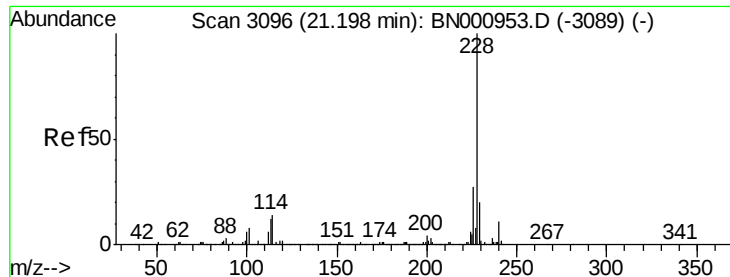


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 20.699 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BN000961.D

Acq: 27 Apr 2018 08:05

Instrument :

BNA_N

ClientSampleId :

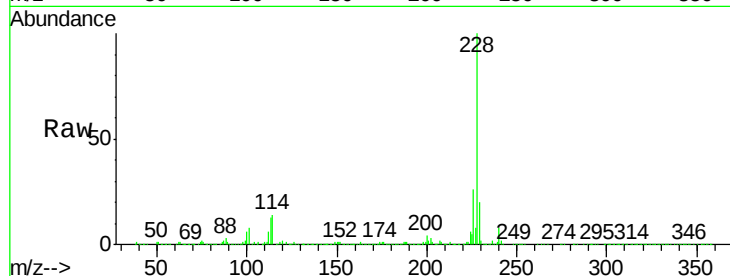
Tot Ion:228 Resp: 745084

Ion Ratio Lower Upper

228 100

229 19.8 15.7 23.5

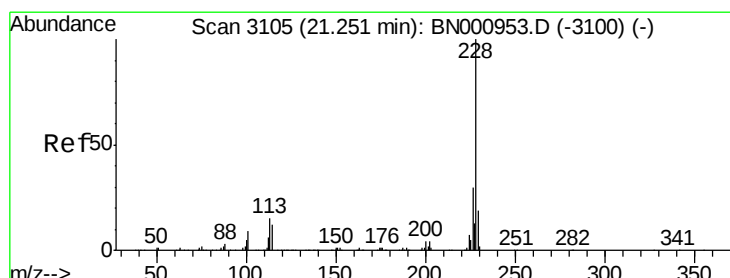
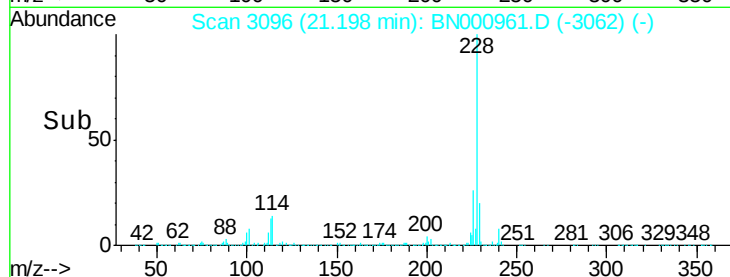
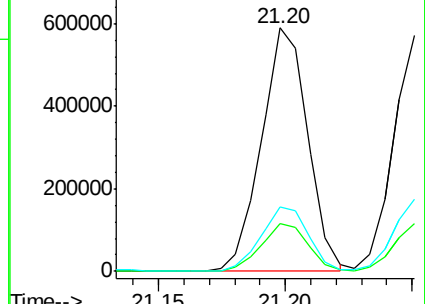
226 26.4 21.1 31.7



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: 20.466 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. 0.00 min

Lab File: BN000961.D

Acq: 27 Apr 2018 08:05

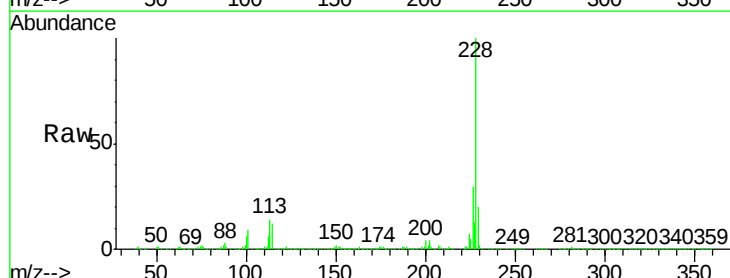
Tgt Ion:228 Resp: 692430

Ion Ratio Lower Upper

228 100

226 30.4 24.5 36.7

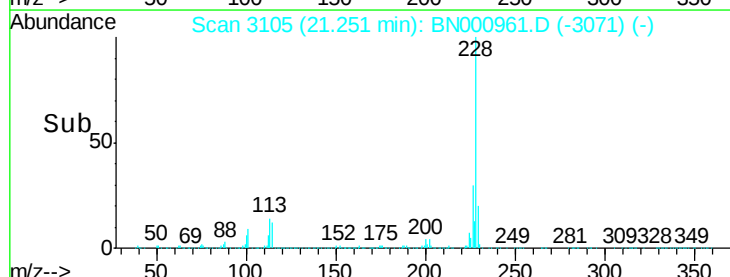
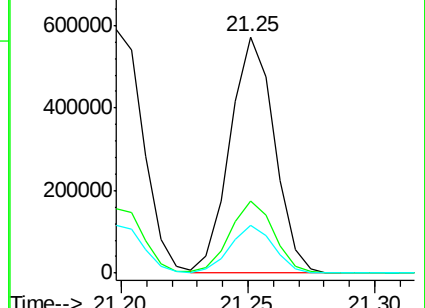
229 20.0 15.8 23.8

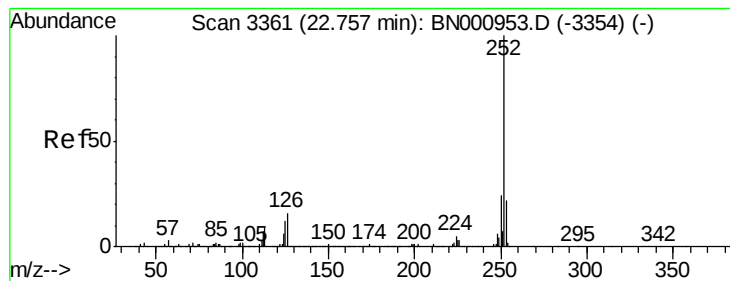


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 19.639 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. 0.00 min

Lab File: BN000961.D

Acq: 27 Apr 2018 08:05

Instrument :

BNA_N

ClientSampleId :

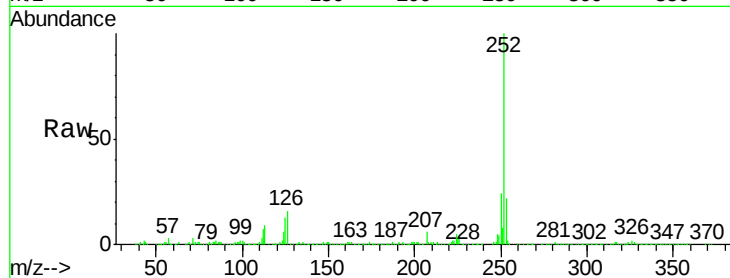
Tot Ion:252 Resp: 718745

Ion Ratio Lower Upper

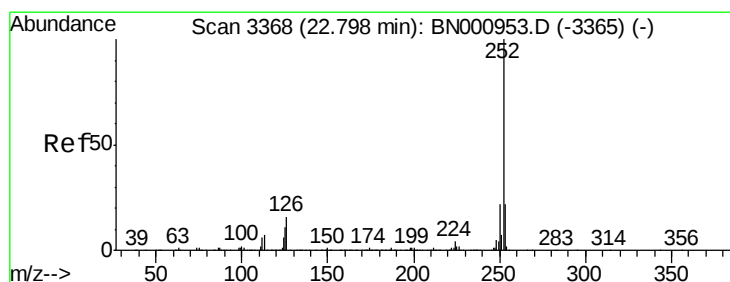
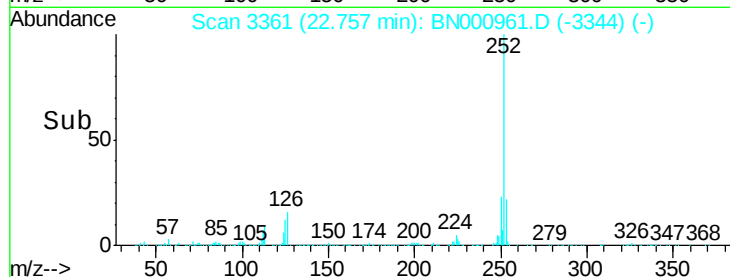
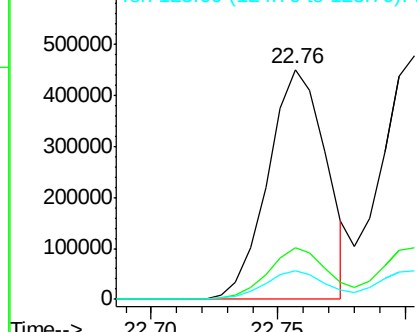
252 100

253 22.3 18.0 27.0

125 12.6 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: 20.102 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. 0.01 min

Lab File: BN000961.D

Acq: 27 Apr 2018 08:05

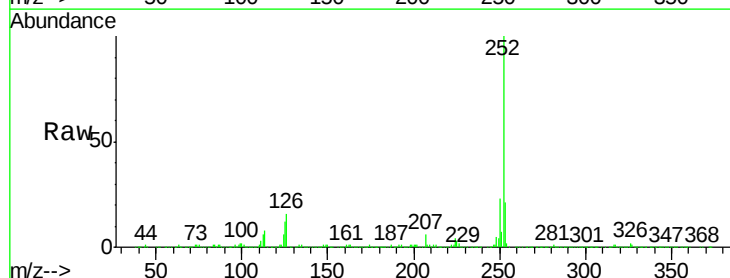
Tgt Ion:252 Resp: 719899

Ion Ratio Lower Upper

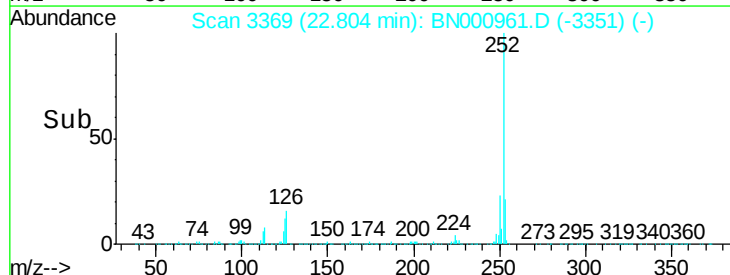
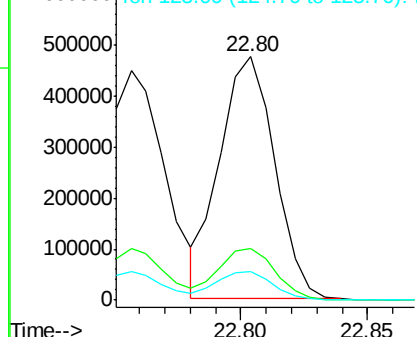
252 100

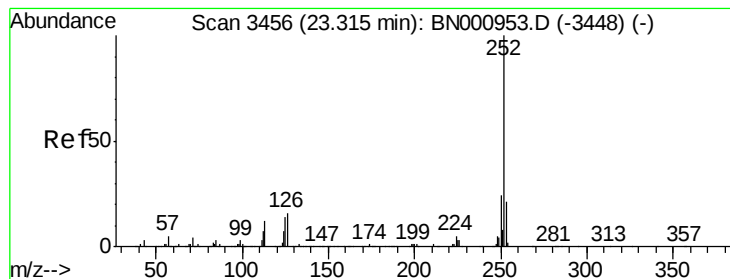
253 21.3 18.0 27.0

125 11.9 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

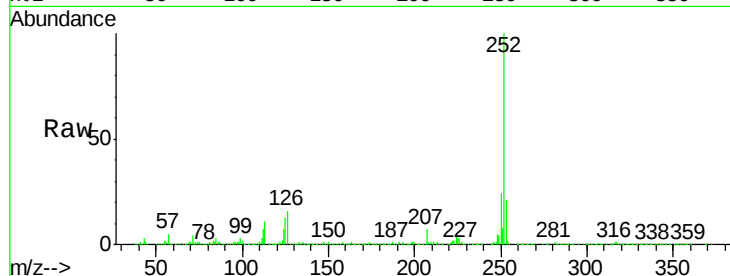




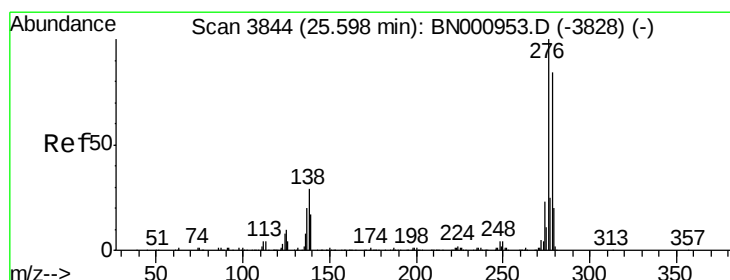
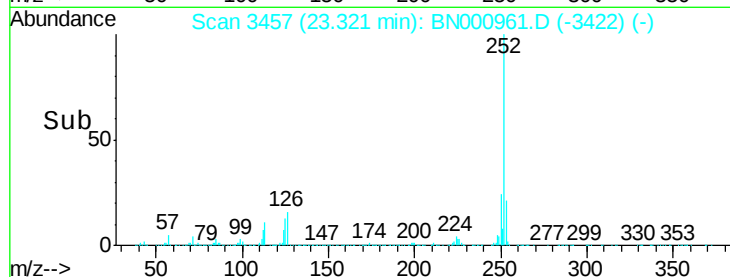
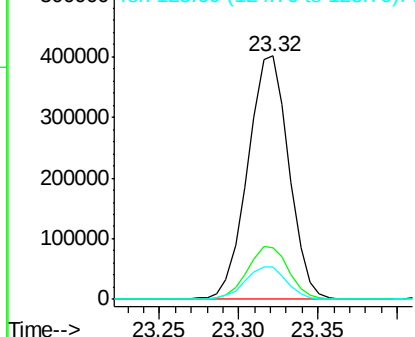
#26
Benzo(a)pyrene
Concen: 20.596 ng/ul
RT: 23.32 min Scan# 3457
Delta R.T. 0.01 min
Lab File: BN000961.D
Acq: 27 Apr 2018 08:05

Instrument :
BNA_N
ClientSampled :

Tot Ion:252 Resp: 720380
Ion Ratio Lower Upper
252 100
253 21.4 17.2 25.8
125 13.2 8.2 12.4#

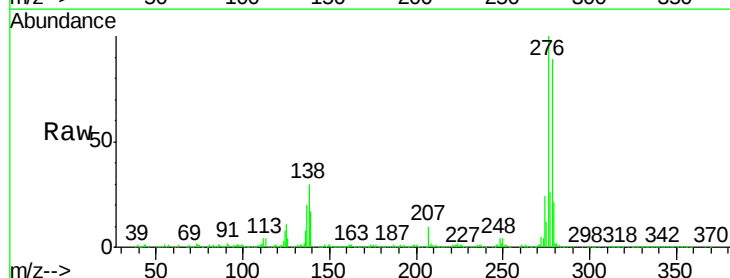


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

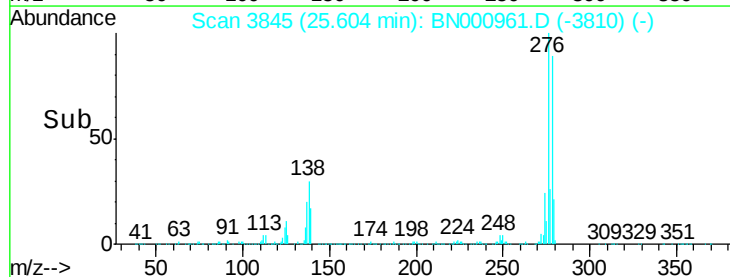
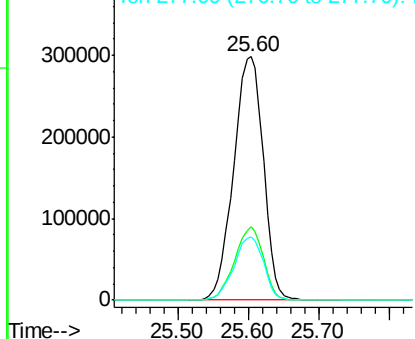


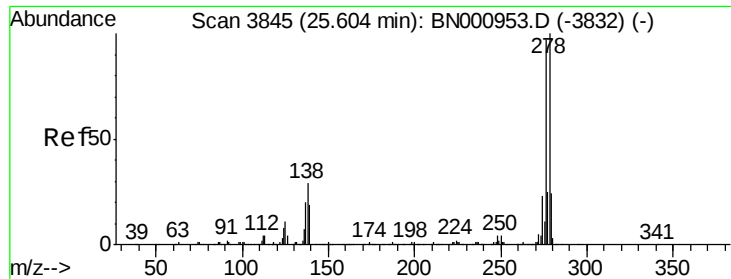
#27
Indeno(1,2,3-cd)pyrene
Concen: 20.604 ng/ul
RT: 25.60 min Scan# 3845
Delta R.T. 0.01 min
Lab File: BN000961.D
Acq: 27 Apr 2018 08:05

Tgt Ion:276 Resp: 870424
Ion Ratio Lower Upper
276 100
138 30.3 14.4 21.6#
277 25.7 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: 20.675 ng/ul

RT: 25.61 min Scan# 3846

Delta R.T. 0.01 min

Lab File: BN000961.D

Acq: 27 Apr 2018 08:05

Instrument :

BNA_N

ClientSampleId :

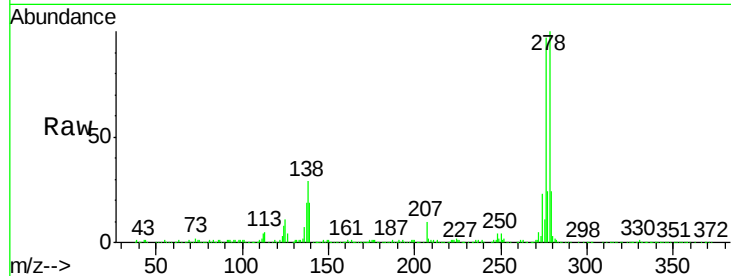
Tot Ion:278 Resp: 727949

Ion Ratio Lower Upper

278 100

139 18.6 12.2 18.4#

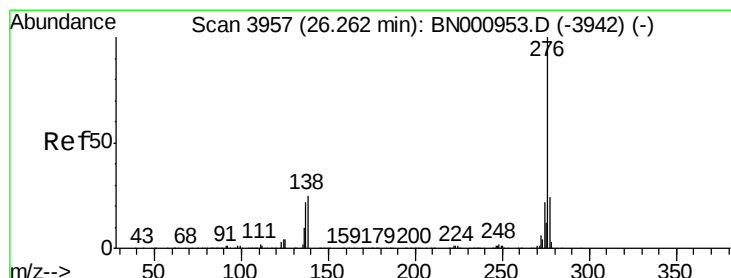
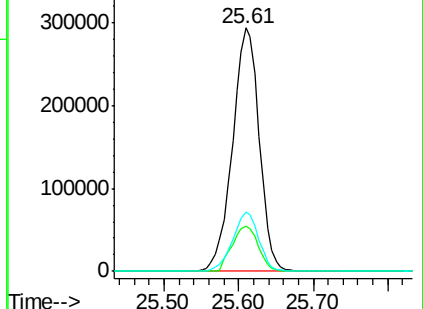
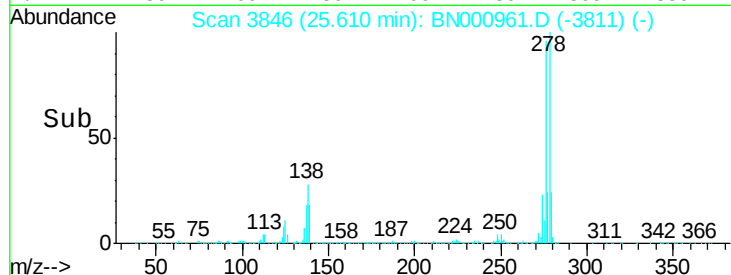
279 24.2 19.2 28.8



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: 20.656 ng/ul

RT: 26.27 min Scan# 3958

Delta R.T. 0.01 min

Lab File: BN000961.D

Acq: 27 Apr 2018 08:05

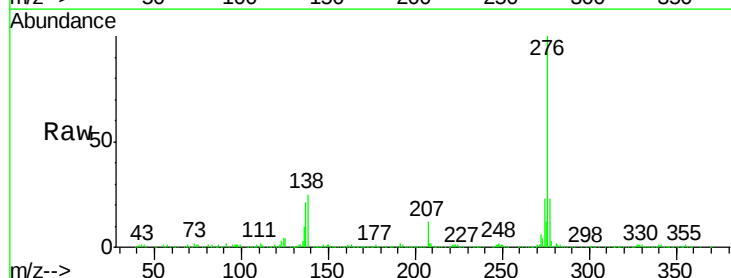
Tgt Ion:276 Resp: 729846

Ion Ratio Lower Upper

276 100

138 24.8 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

