

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\
 Data File : BN006580.D
 Acq On : 25 Jun 2019 20:52
 Operator : HP/JU
 Sample : K3388-02DL 5X
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4215DL

Quant Time: Jun 26 00:51:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 25 07:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	5430	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	19861	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	9399	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	17006	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	10035	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	12145	0.40	ng/ul	0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	996	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	1593	0.03	ng/ul	0.00

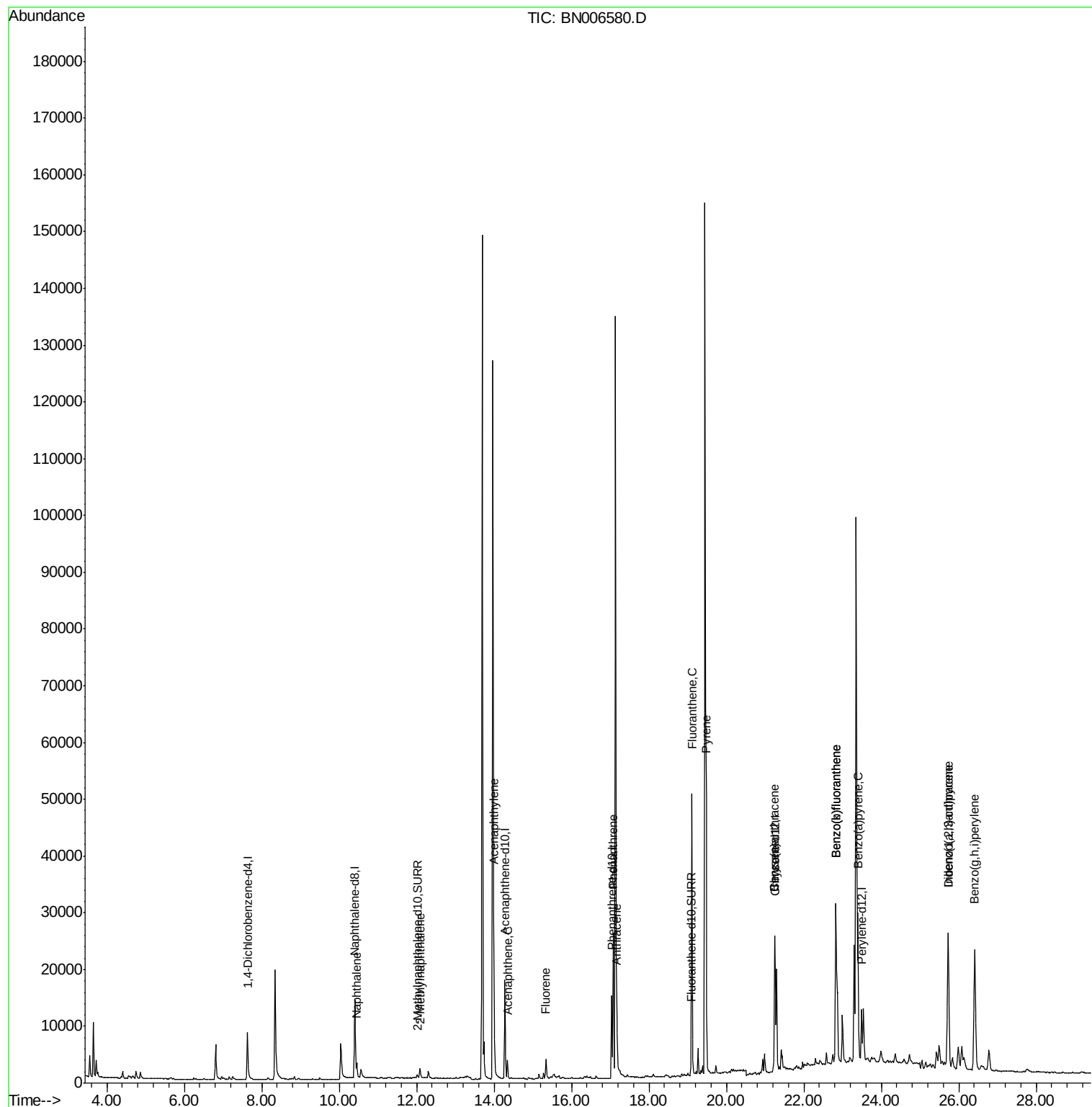
Target Compounds				Qvalue		
3) Naphthalene	10.46	128	3459	0.063	ng/ul#	92
5) 2-Methylnaphthalene	12.08	142	1664	0.044	ng/ul	98
7) Acenaphthylene	14.00	152	13031	0.249	ng/ul	99
8) Acenaphthene	14.34	153	1976	0.055	ng/ul	98
9) Fluorene	15.34	166	2631	0.062	ng/ul#	95
12) Phenanthrene	17.08	178	27169	0.498	ng/ul	99
13) Anthracene	17.17	178	9349	0.179	ng/ul	96
15) Fluoranthene	19.11	202	42399	0.703	ng/ul	98
17) Pyrene	19.48	202	39040	0.739	ng/ul	98
18) Benzo(a)anthracene	21.24	228	18264	0.412	ng/ul	91
19) Chrysene	21.24	228	18264	0.438	ng/ul	95
21) Benzo(b)fluoranthene	22.83	252	58330	1.152	ng/ul	95
22) Benzo(k)fluoranthene	22.83	252	58330	1.183	ng/ul	98
23) Benzo(a)pyrene	23.40	252	34169	0.724	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.72	276	39328	0.770	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.72	278	8210	0.201	ng/ul#	84
26) Benzo(g,h,i)perylene	26.41	276	41640	0.974	ng/ul	96

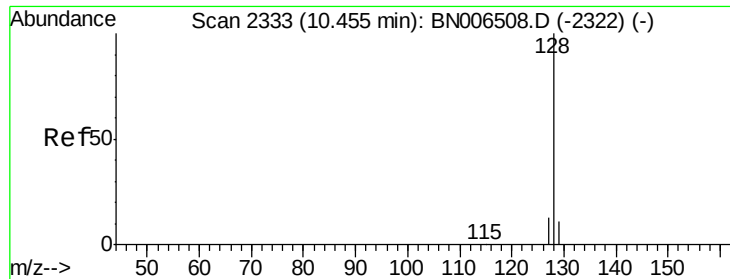
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.063 ng/ul

RT: 10.46 min Scan# 2333

Delta R.T. -0.00 min

Lab File: BN006580.D

Acq: 25 Jun 2019 20:52

Instrument :

BNA_N

ClientSampleId :

A4215DL

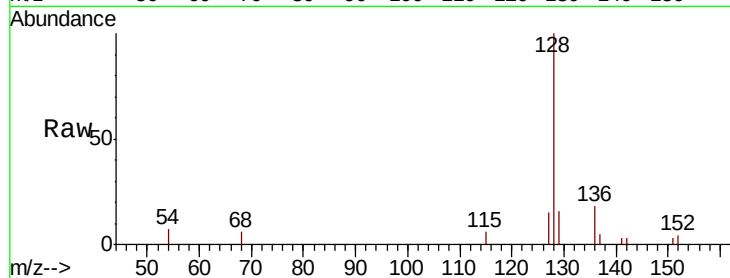
Tgt Ion:128 Resp: 3459

Ion Ratio Lower Upper

128 100

129 15.6 9.3 13.9#

127 15.5 10.7 16.1

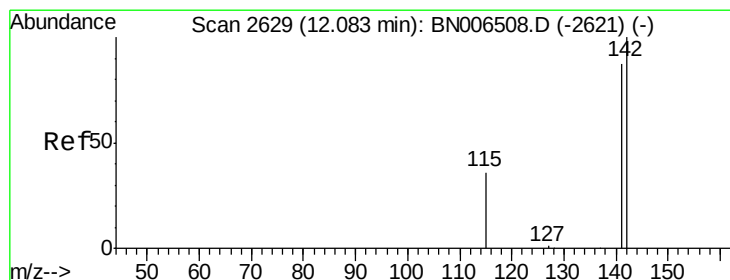
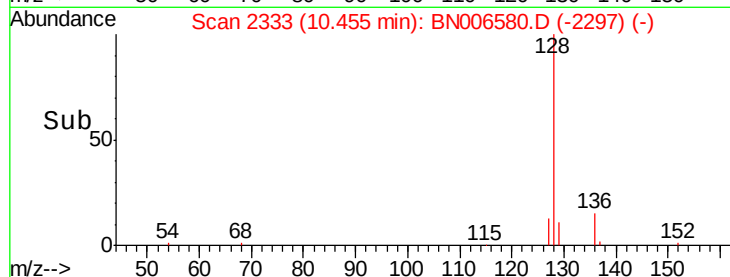
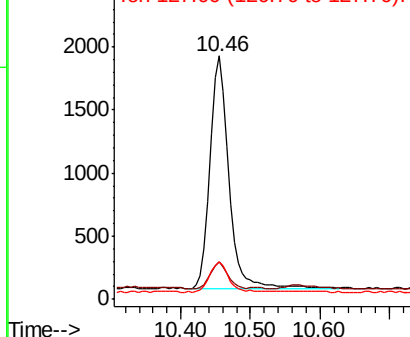


Abundance

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



#5

2-Methylnaphthalene

Concen: 0.044 ng/ul

RT: 12.08 min Scan# 2629

Delta R.T. -0.00 min

Lab File: BN006580.D

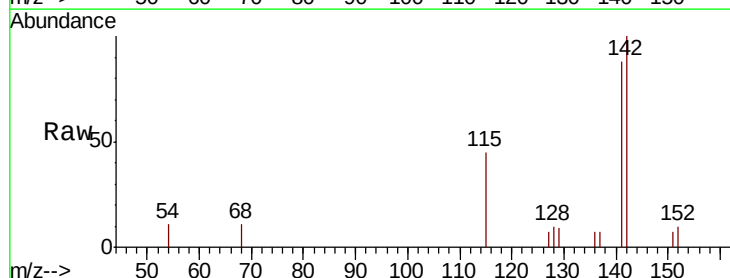
Acq: 25 Jun 2019 20:52

Tgt Ion:142 Resp: 1664

Ion Ratio Lower Upper

142 100

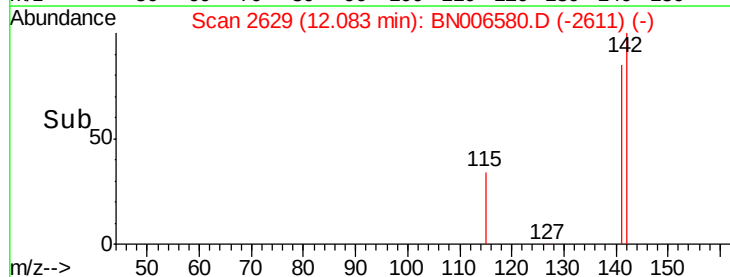
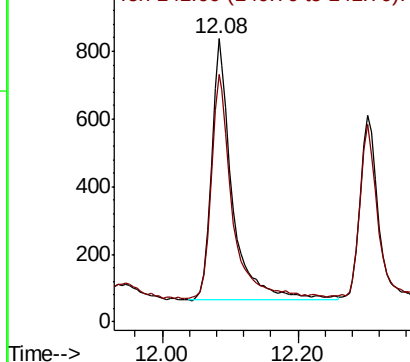
141 85.9 70.3 105.5

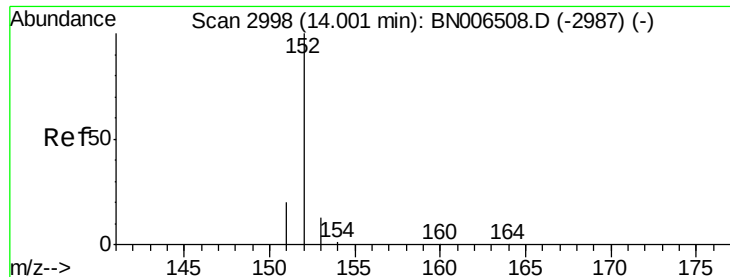


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.249 ng/ul

RT: 14.00 min Scan# 2997

Delta R.T. -0.00 min

Lab File: BN006580.D

Acq: 25 Jun 2019 20:52

Instrument :

BNA_N

ClientSampleId :

A4215DL

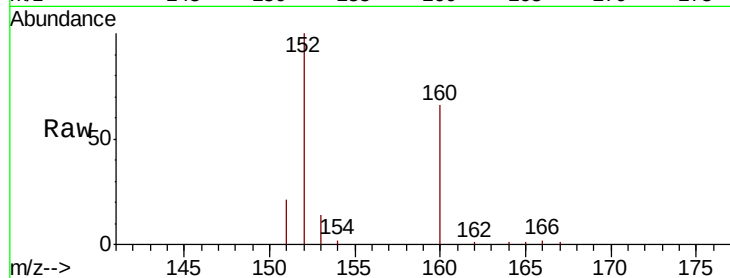
Tgt Ion:152 Resp: 13031

Ion Ratio Lower Upper

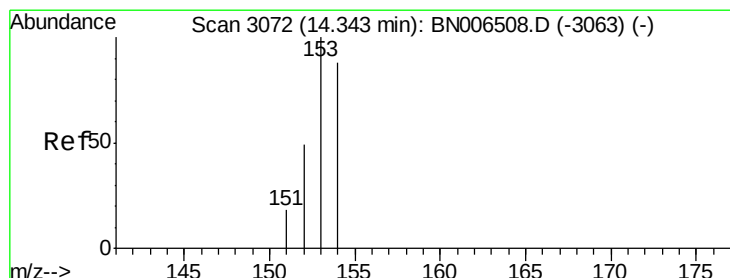
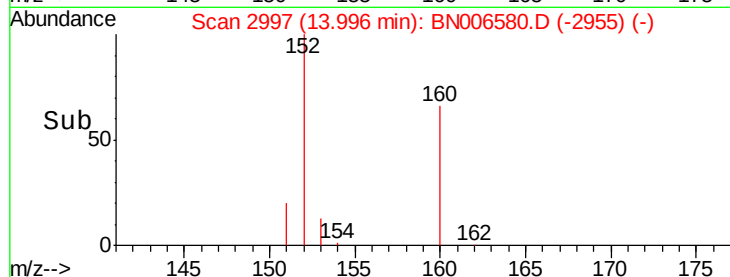
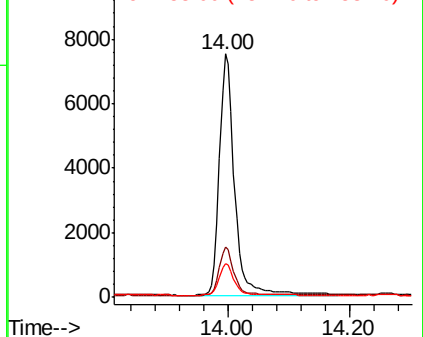
152 100

151 20.5 15.8 23.8

153 13.9 10.8 16.2



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



#8

Acenaphthene

Concen: 0.055 ng/ul

RT: 14.34 min Scan# 3072

Delta R.T. -0.00 min

Lab File: BN006580.D

Acq: 25 Jun 2019 20:52

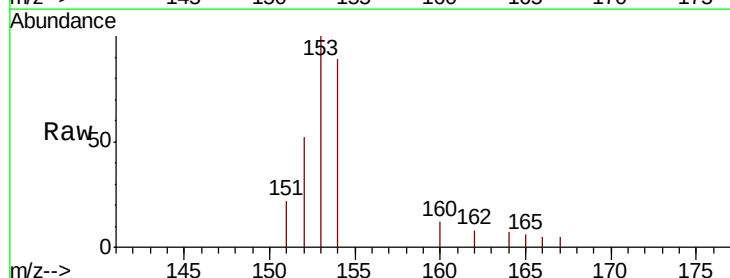
Tgt Ion:153 Resp: 1976

Ion Ratio Lower Upper

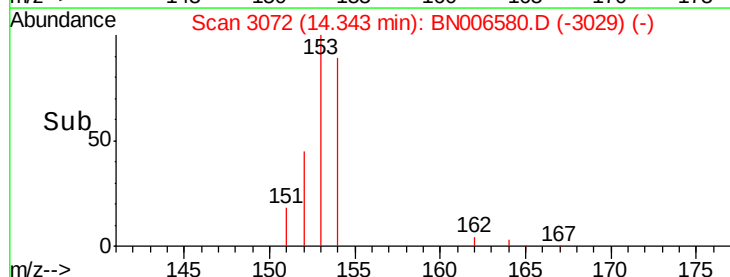
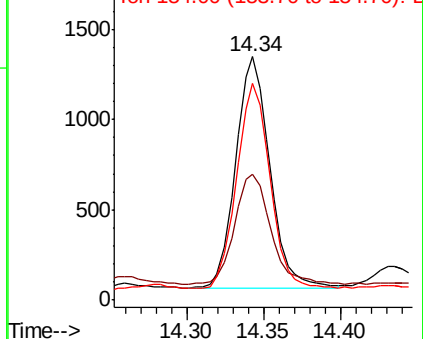
153 100

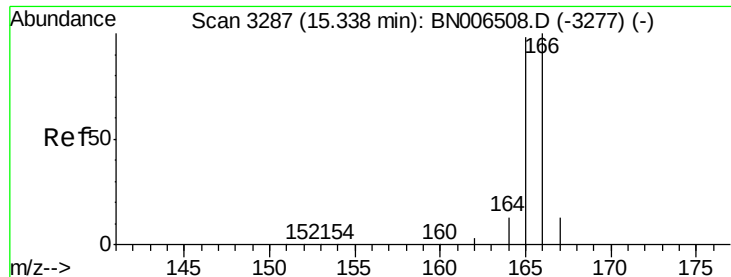
152 51.6 39.1 58.7

154 89.0 71.1 106.7



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





#9

Fluorene

Concen: 0.062 ng/ul

RT: 15.34 min Scan# 3287

Delta R.T. -0.00 min

Lab File: BN006580.D

Acq: 25 Jun 2019 20:52

Instrument :

BNA_N

ClientSampleId :

A4215DL

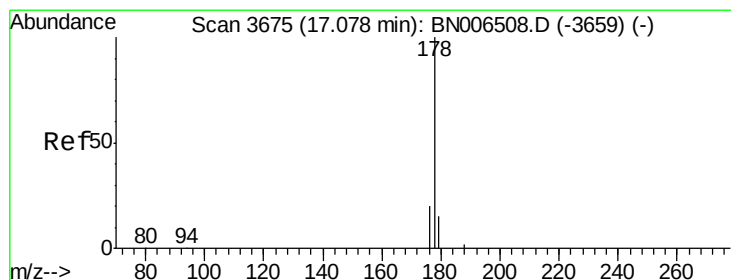
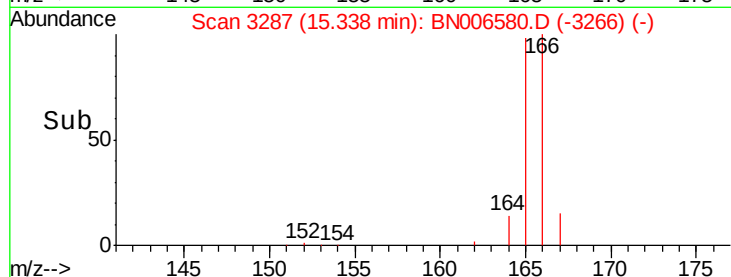
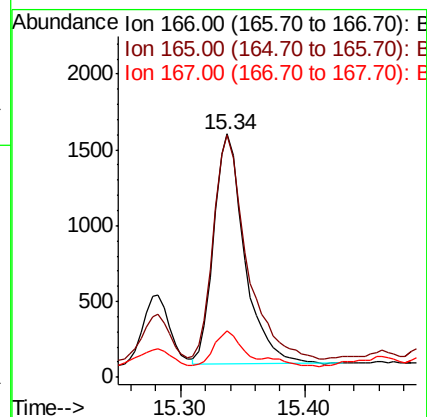
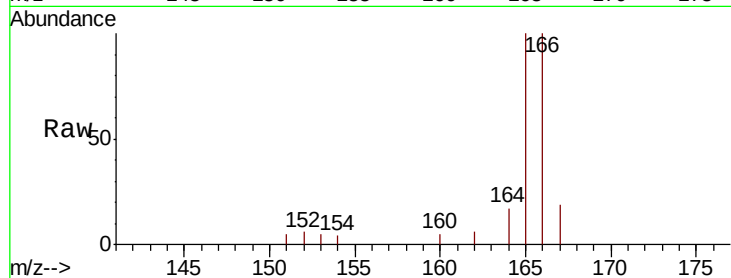
Tgt Ion:166 Resp: 2631

Ion Ratio Lower Upper

166 100

165 99.5 76.4 114.6

167 18.9 11.0 16.6#



#12

Phenanthrene

Concen: 0.498 ng/ul

RT: 17.08 min Scan# 3675

Delta R.T. -0.00 min

Lab File: BN006580.D

Acq: 25 Jun 2019 20:52

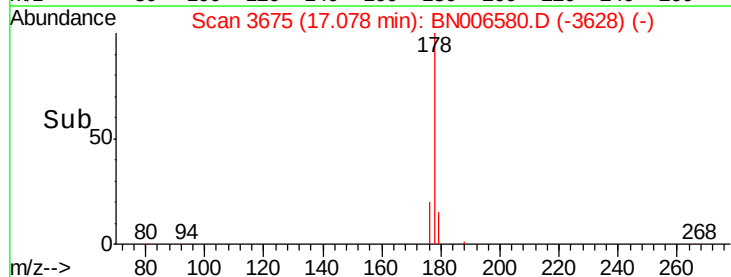
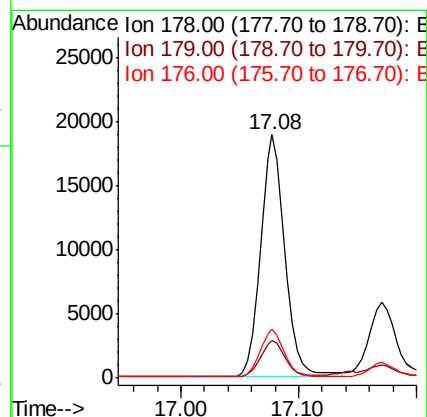
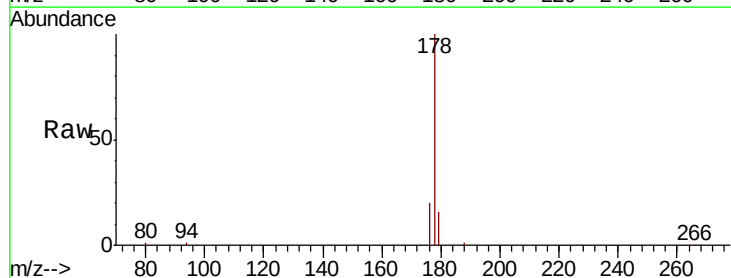
Tgt Ion:178 Resp: 27169

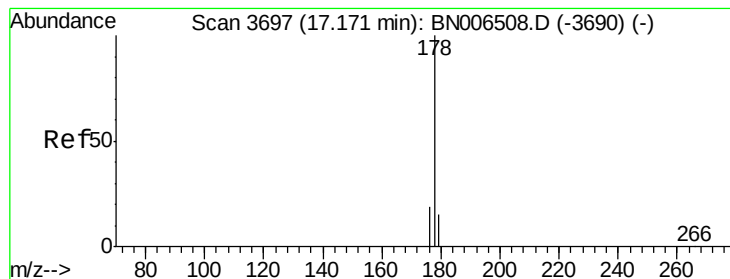
Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

176 20.0 15.3 22.9





#13

Anthracene

Concen: 0.179 ng/ul

RT: 17.17 min Scan# 3697

Delta R.T. -0.00 min

Lab File: BN006580.D

Acq: 25 Jun 2019 20:52

Instrument :

BNA_N

ClientSampleId :

A4215DL

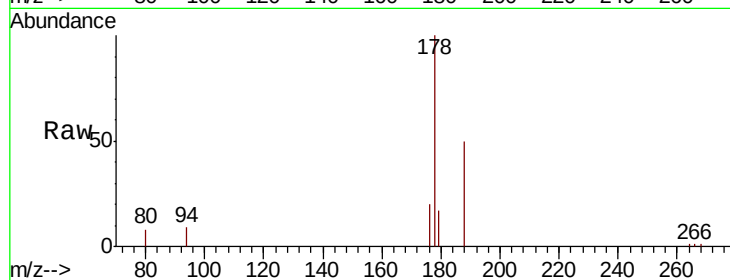
Tgt Ion:178 Resp: 9349

Ion Ratio Lower Upper

178 100

179 17.3 12.2 18.4

176 20.3 15.1 22.7

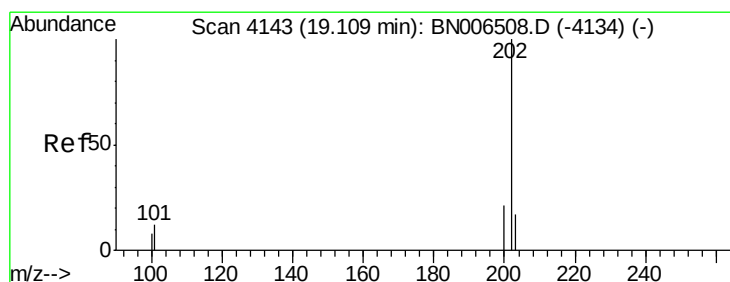
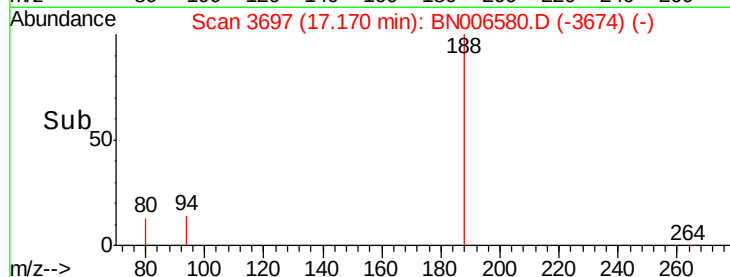
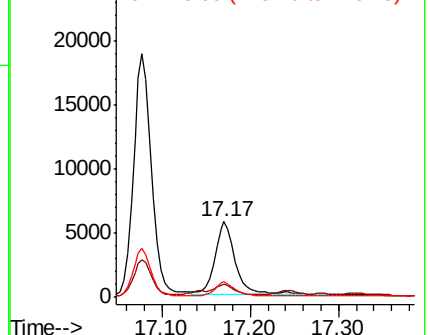


Abundance

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

Fluoranthene

Concen: 0.703 ng/ul

RT: 19.11 min Scan# 4143

Delta R.T. -0.00 min

Lab File: BN006580.D

Acq: 25 Jun 2019 20:52

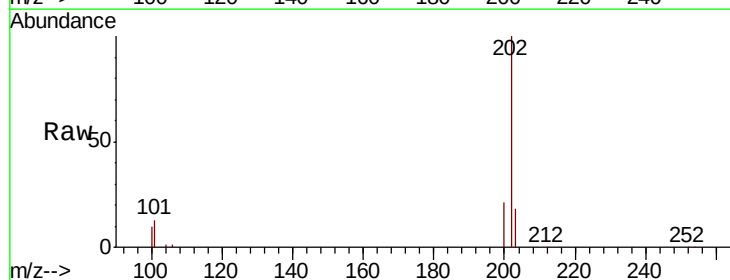
Tgt Ion:202 Resp: 42399

Ion Ratio Lower Upper

202 100

101 13.1 0.0 32.1

100 9.5 0.0 28.7

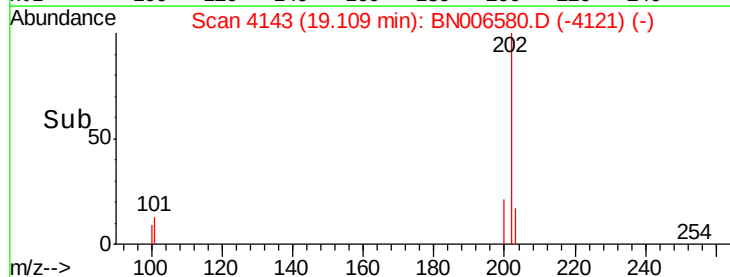
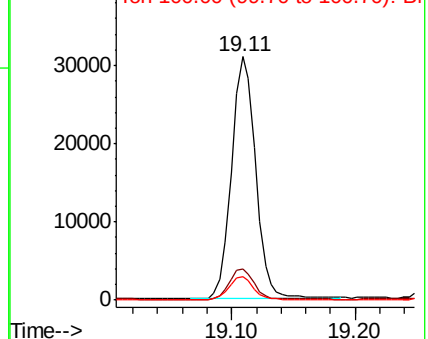


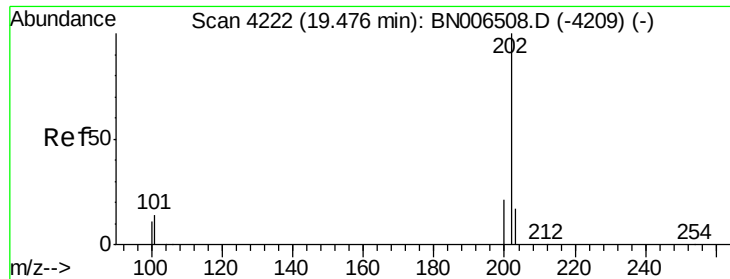
Abundance

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

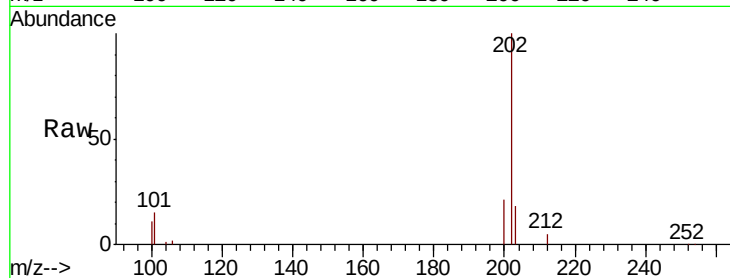




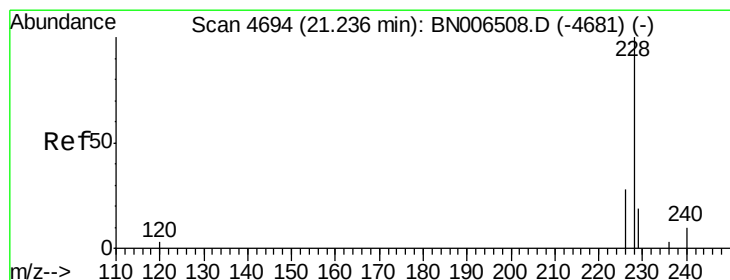
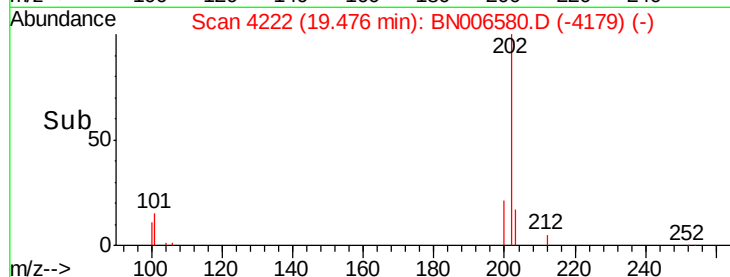
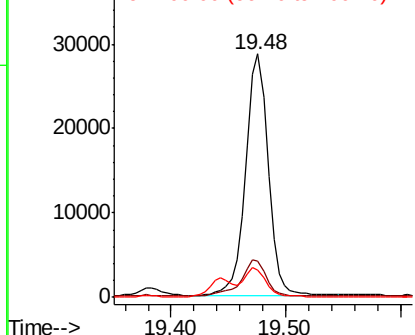
#17
Pyrene
 Concen: 0.739 ng/ul
 RT: 19.48 min Scan# 4222
 Delta R.T. -0.00 min
 Lab File: BN006580.D
 Acq: 25 Jun 2019 20:52

Instrument :
 BNA_N
 ClientSampleId :
 A4215DL

Tgt Ion:202 Resp: 39040
 Ion Ratio Lower Upper
 202 100
 101 14.8 12.2 18.2
 100 11.3 9.8 14.6

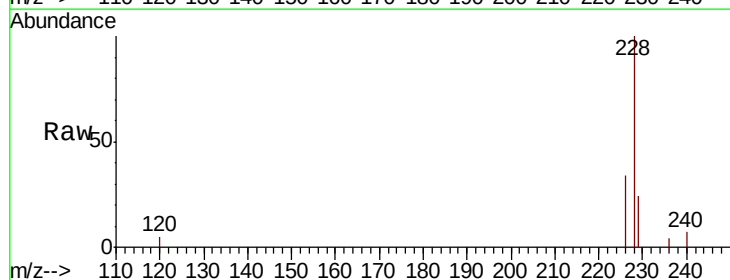


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

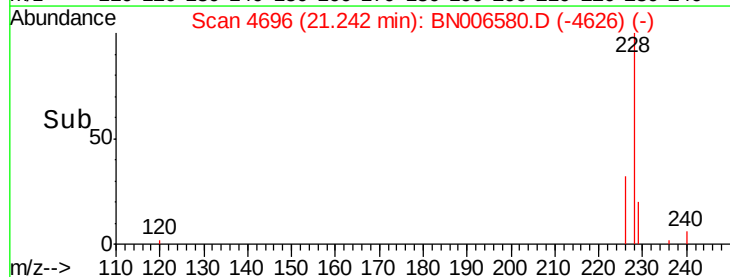
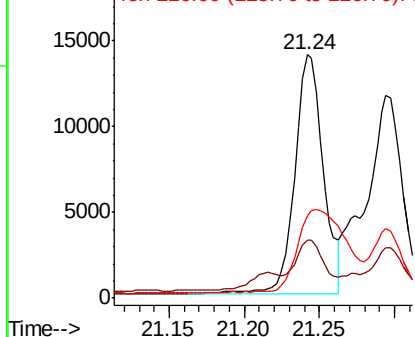


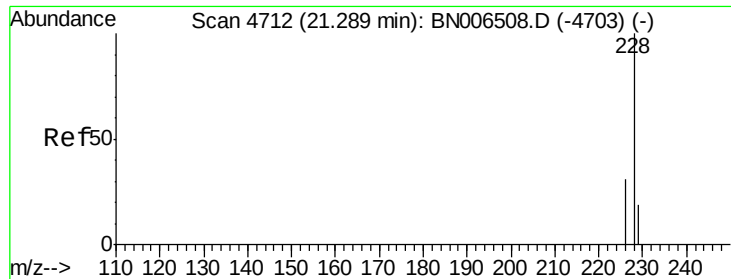
#18
Benzo(a)anthracene
 Concen: 0.412 ng/ul
 RT: 21.24 min Scan# 4696
 Delta R.T. 0.01 min
 Lab File: BN006580.D
 Acq: 25 Jun 2019 20:52

Tgt Ion:228 Resp: 18264
 Ion Ratio Lower Upper
 228 100
 229 23.7 16.5 24.7
 226 33.7 22.8 34.2



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





#19

Chrysene

Concen: 0.438 ng/ul

RT: 21.24 min Scan# 4696

Delta R.T. -0.05 min

Lab File: BN006580.D

Acq: 25 Jun 2019 20:52

Instrument :

BNA_N

ClientSampleId :

A4215DL

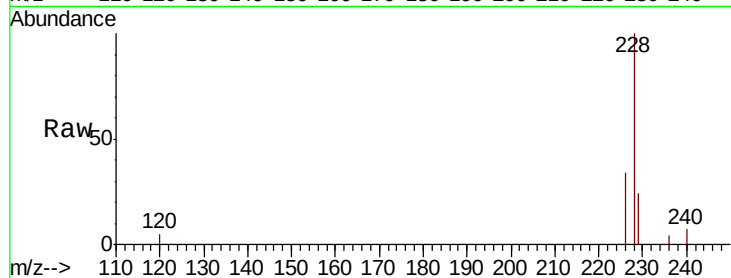
Tgt Ion:228 Resp: 18264

Ion Ratio Lower Upper

228 100

226 33.7 25.0 37.6

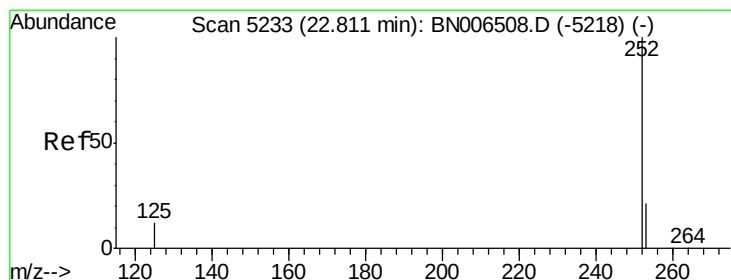
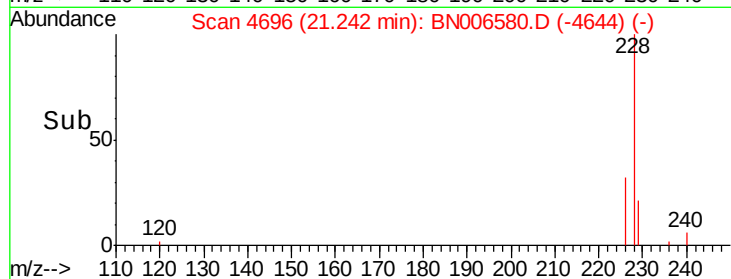
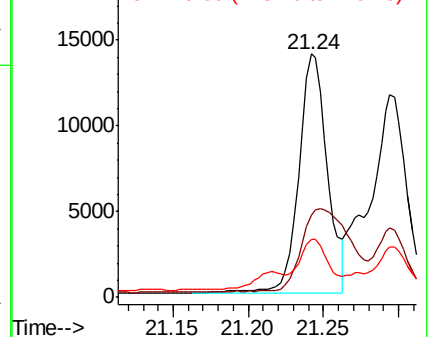
229 23.7 16.3 24.5



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



#21

Benzo(b)fluoranthene

Concen: 1.152 ng/ul

RT: 22.83 min Scan# 5238

Delta R.T. 0.01 min

Lab File: BN006580.D

Acq: 25 Jun 2019 20:52

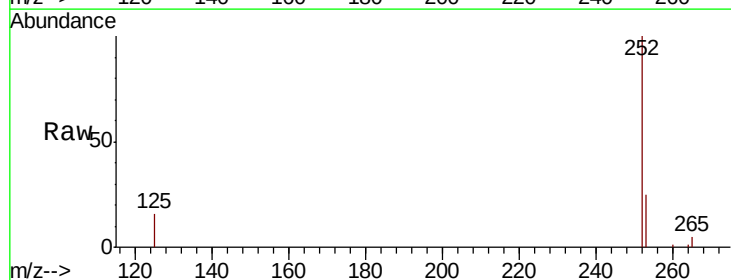
Tgt Ion:252 Resp: 58330

Ion Ratio Lower Upper

252 100

253 24.9 0.0 51.4

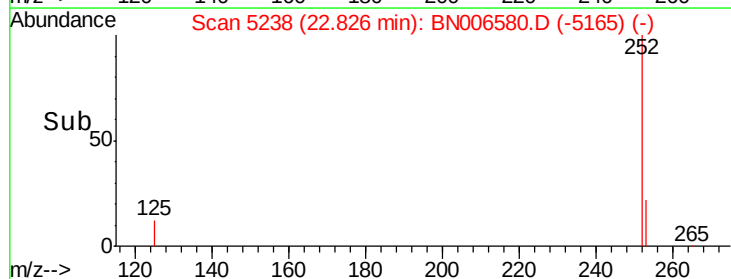
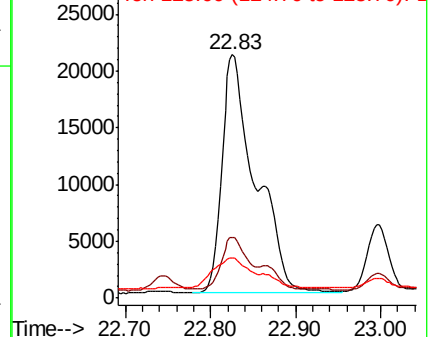
125 16.2 0.0 41.0

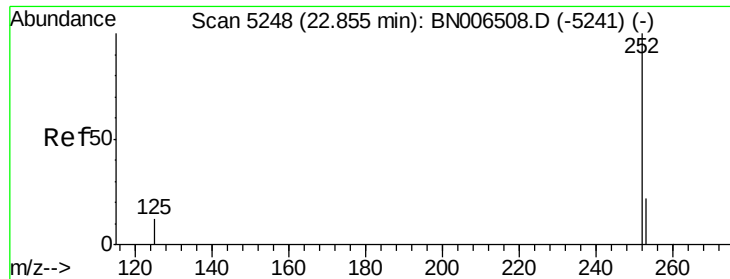


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.183 ng/ul

RT: 22.83 min Scan# 5238

Delta R.T. -0.03 min

Lab File: BN006580.D

Acq: 25 Jun 2019 20:52

Instrument :

BNA_N

ClientSampleId :

A4215DL

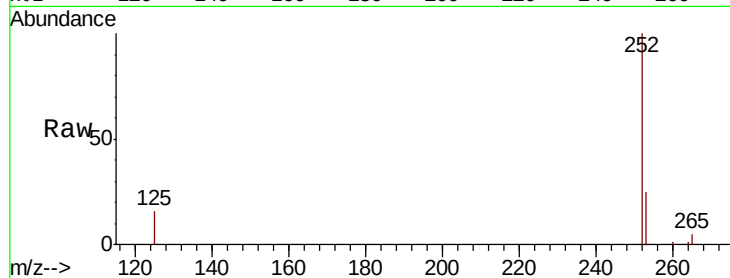
Tgt Ion:252 Resp: 58330

Ion Ratio Lower Upper

252 100

253 24.9 20.3 30.5

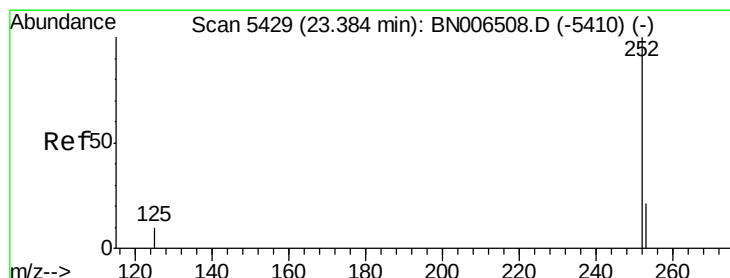
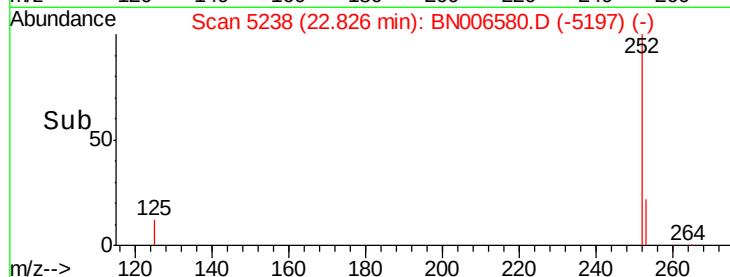
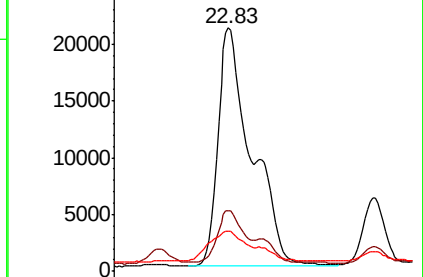
125 16.2 14.3 21.5



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



#23

Benzo(a)pyrene

Concen: 0.724 ng/ul

RT: 23.40 min Scan# 5433

Delta R.T. 0.01 min

Lab File: BN006580.D

Acq: 25 Jun 2019 20:52

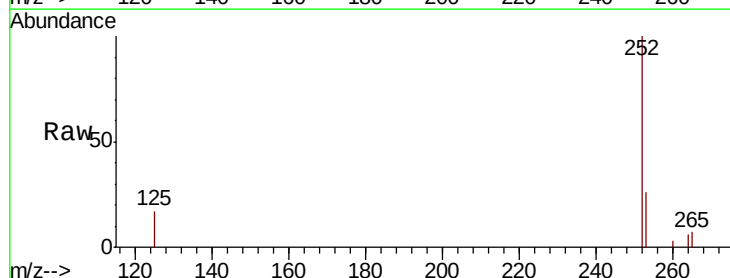
Tgt Ion:252 Resp: 34169

Ion Ratio Lower Upper

252 100

253 25.8 21.1 31.7

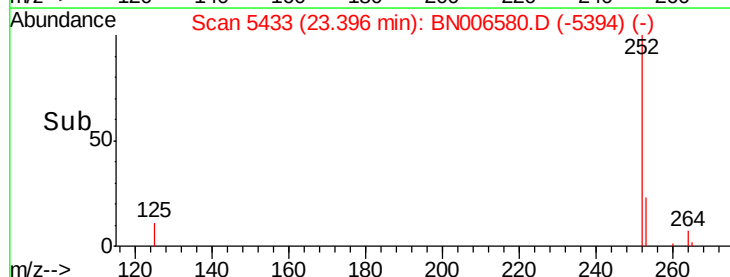
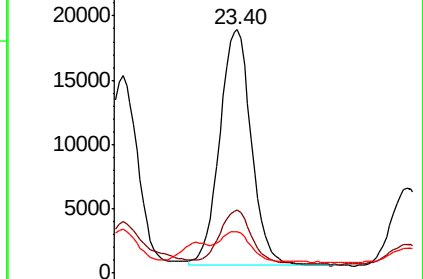
125 17.2 20.3 30.5#

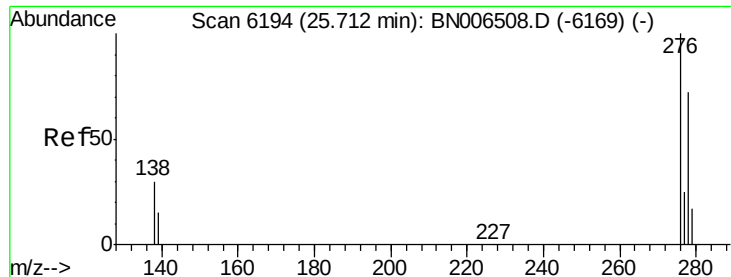


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



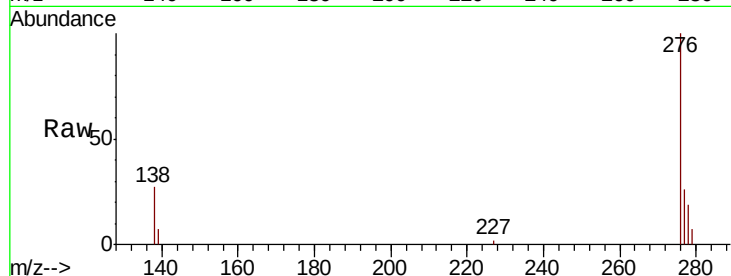


#24

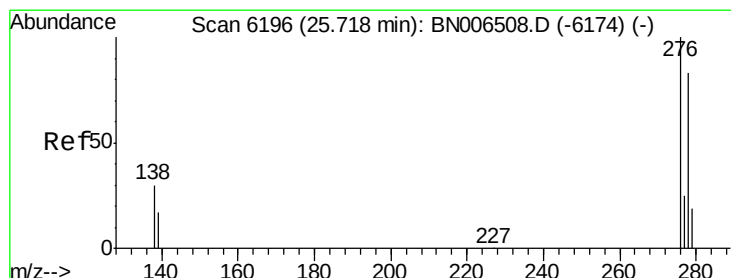
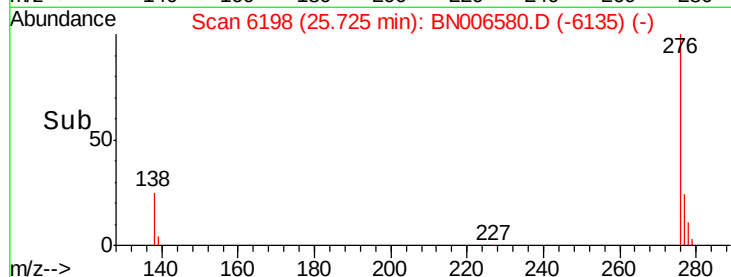
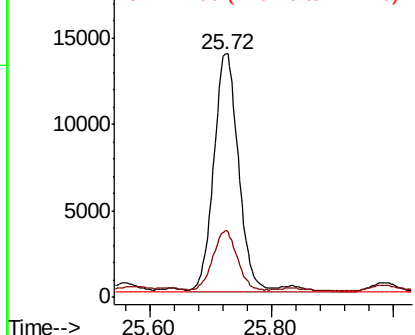
Indeno(1,2,3-cd)pyrene
Concen: 0.770 ng/ul
RT: 25.72 min Scan# 6198
Delta R.T. 0.01 min
Lab File: BN006580.D
Acq: 25 Jun 2019 20:52

Instrument :
BNA_N
ClientSampleId :
A4215DL

Tgt Ion: 276 Resp: 39328
Ion Ratio Lower Upper
276 100
138 24.5 25.6 38.4#
227 0.1 0.3 0.5#



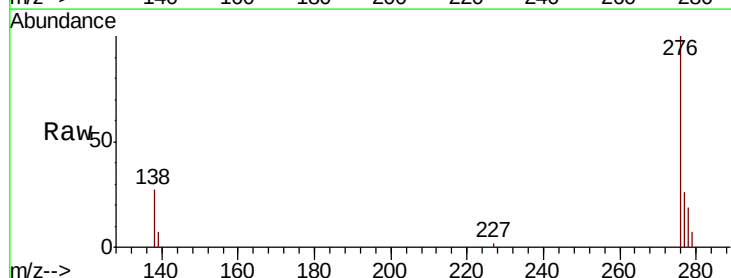
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



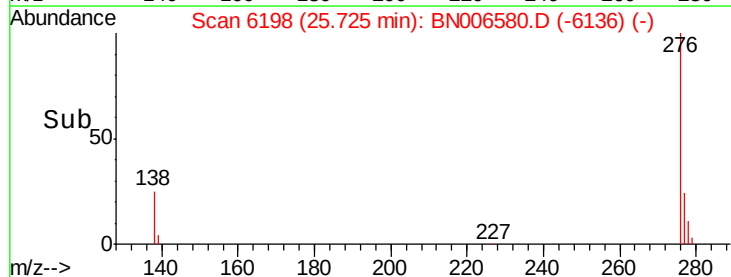
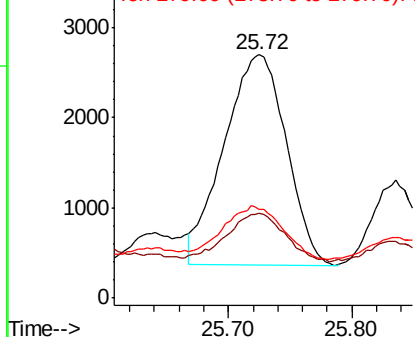
#25

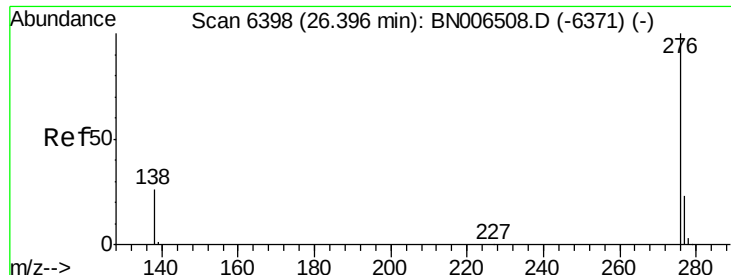
Dibenzo(a,h)anthracene
Concen: 0.201 ng/ul
RT: 25.72 min Scan# 6198
Delta R.T. 0.01 min
Lab File: BN006580.D
Acq: 25 Jun 2019 20:52

Tgt Ion: 278 Resp: 8210
Ion Ratio Lower Upper
278 100
139 34.8 21.2 31.8#
279 36.7 22.6 33.8#



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





#26

Benzo(g,h,i)perylene

Concen: 0.974 ng/ul

RT: 26.41 min Scan# 6403

Delta R.T. 0.02 min

Lab File: BN006580.D

Acq: 25 Jun 2019 20:52

Instrument :

BNA_N

ClientSampleId :

A4215DL

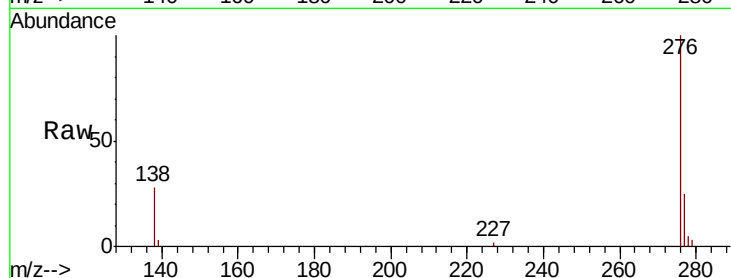
Tgt Ion: 276 Resp: 41640

Ion Ratio Lower Upper

276 100

138 27.6 24.2 36.4

277 25.1 21.5 32.3



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

