

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\
 Data File : BN006996.D
 Acq On : 07 Aug 2019 20:21
 Operator : HP/JU
 Sample : K3893--17DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 08 04:52:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN080719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 17:30:08 2019
 Response via : Initial Calibration

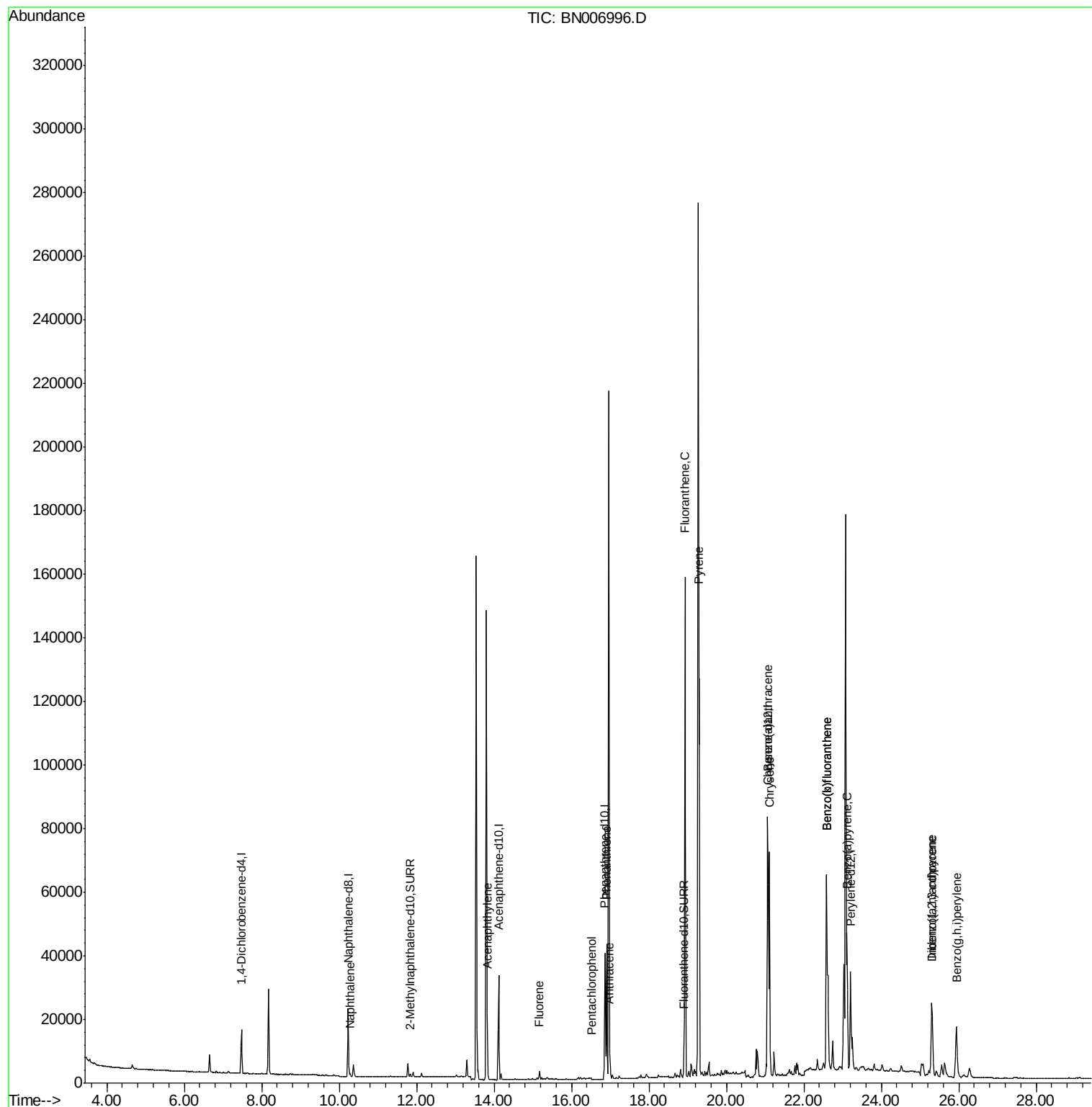
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	7023	0.40	ng/ul	0.00
2) Naphthalene-d8	10.23	136	28601	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	18290	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.86	188	46178	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	41002	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	36494	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.83	152	1220	0.02	ng/ul	0.00
14) Fluoranthene-d10	18.90	212	3423	0.02	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.28	128	1647	0.020	ng/ul#	77
7) Acenaphthylene	13.83	152	4987	0.047	ng/ul#	95
9) Fluorene	15.17	166	1810	0.021	ng/ul#	96
11) Pentachlorophenol	16.52	266	397	0.031	ng/ul#	84
12) Phenanthrene	16.90	178	44342	0.301	ng/ul	100
13) Anthracene	16.99	178	7490	0.050	ng/ul	96
15) Fluoranthene	18.93	202	133043	0.727	ng/ul	99
17) Pyrene	19.29	202	114438	0.625	ng/ul	100
18) Benzo(a)anthracene	21.06	228	59702	0.331	ng/ul	97
19) Chrysene	21.11	228	71054	0.421	ng/ul	97
21) Benzo(b)fluoranthene	22.58	252	126263	0.853	ng/ul	98
22) Benzo(k)fluoranthene	22.58	252	126263	0.880	ng/ul	99
23) Benzo(a)pyrene	23.12	252	54788	0.393	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.30	276	36499	0.243	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.32	278	8949	0.075	ng/ul#	79
26) Benzo(a,h,i)perylene	25.94	276	31568	0.251	ng/ul	99

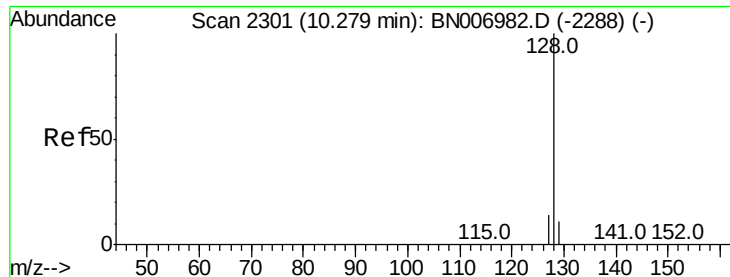
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 07 17:30:08 2019
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#3

Naphthalene

Concen: 0.020 ng/ul

RT: 10.28 min Scan# 2301

Delta R.T. -0.00 min

Lab File: BN006996.D

Acq: 07 Aug 2019 20:21

Instrument :

BNA_N

ClientSampleId :

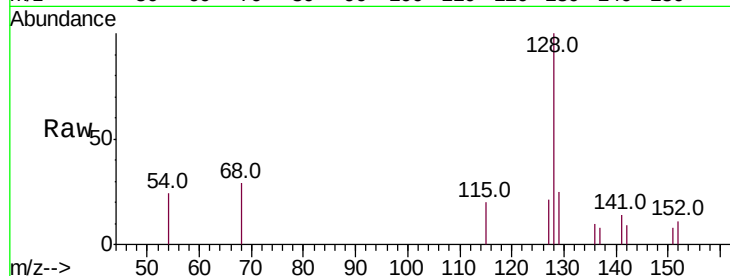
Tot Ion:128 Resp: 1647

Ion Ratio Lower Upper

128 100

129 25.0 10.0 15.0#

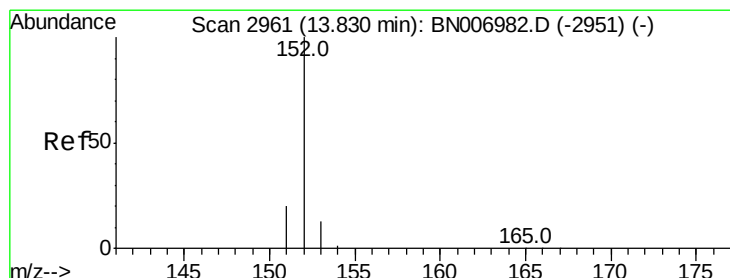
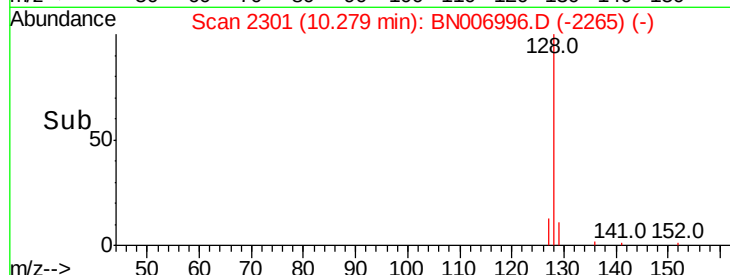
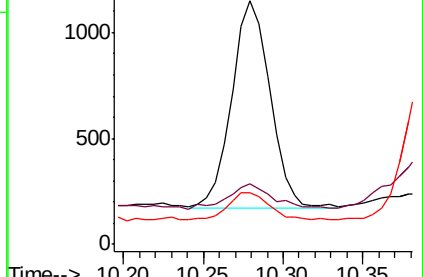
127 21.1 11.7 17.5#



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



#7

Acenaphthylene

Concen: 0.047 ng/ul

RT: 13.83 min Scan# 2961

Delta R.T. -0.00 min

Lab File: BN006996.D

Acq: 07 Aug 2019 20:21

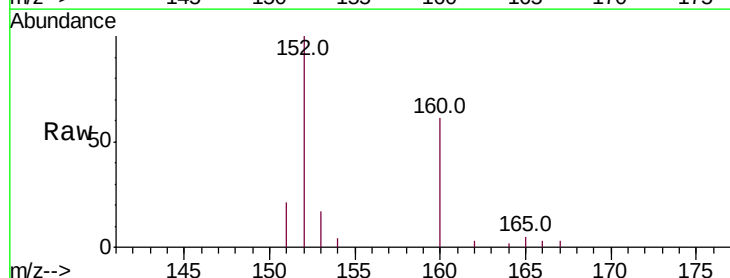
Tgt Ion:152 Resp: 4987

Ion Ratio Lower Upper

152 100

151 21.5 16.3 24.5

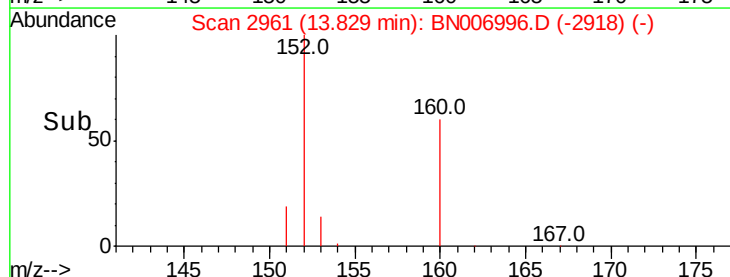
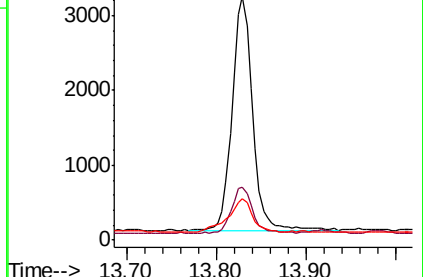
153 16.9 11.0 16.4#

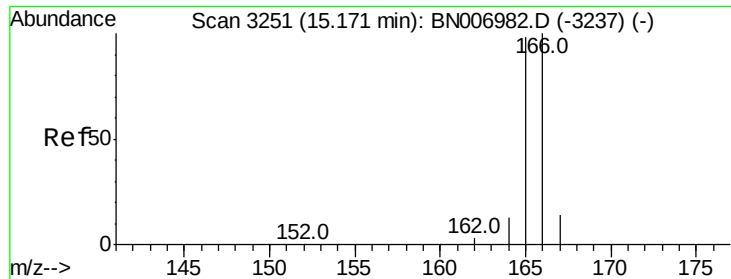


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

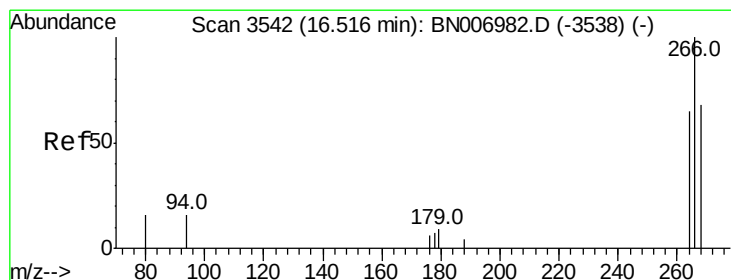
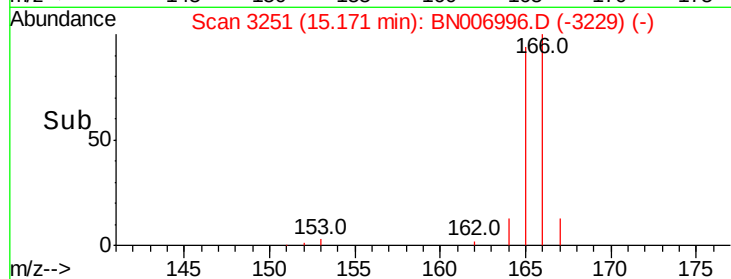
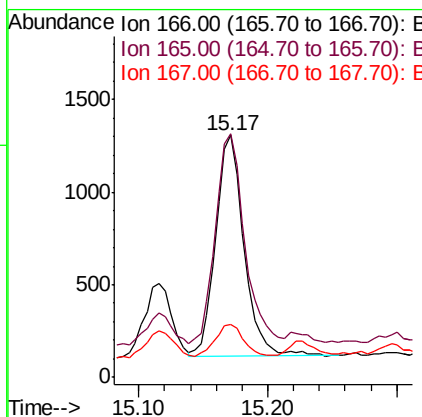
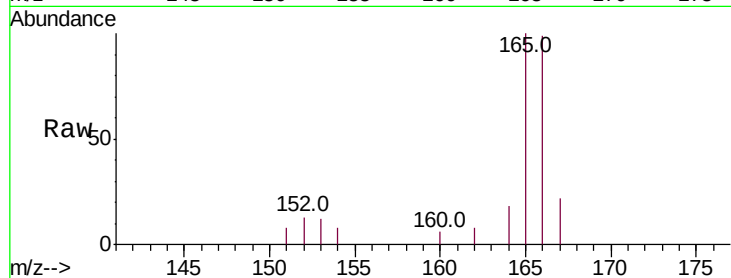




#9
Fluorene
 Concen: 0.021 ng/ul
 RT: 15.17 min Scan# 3251
 Delta R.T. -0.00 min
 Lab File: BN006996.D
 Acq: 07 Aug 2019 20:21

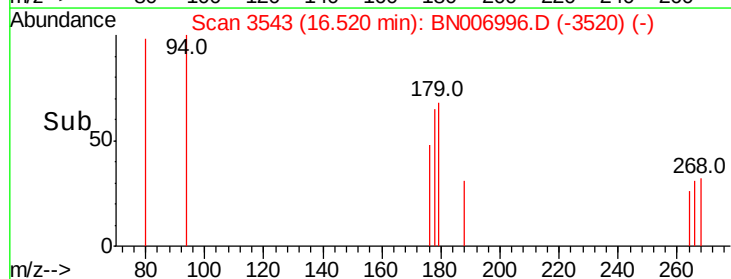
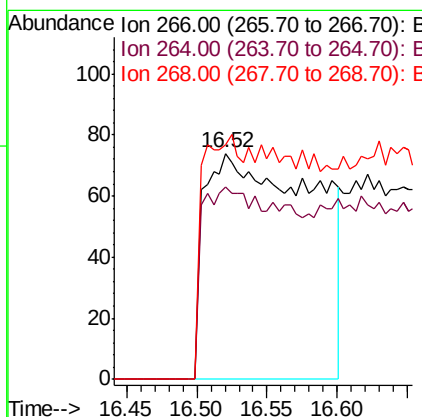
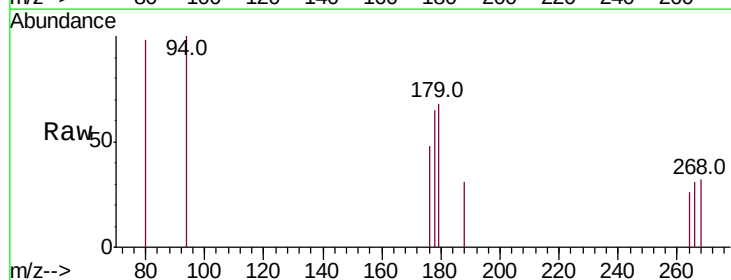
Instrument :
 BNA_N
 ClientSampleId :

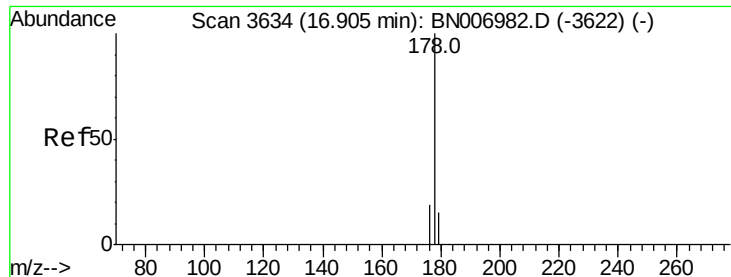
Tot Ion:166 Resp: 1810
 Ion Ratio Lower Upper
 166 100
 165 100.5 78.8 118.2
 167 21.7 11.3 16.9#



#11
Pentachlorophenol
 Concen: 0.031 ng/ul
 RT: 16.52 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: BN006996.D
 Acq: 07 Aug 2019 20:21

Tgt Ion:266 Resp: 397
 Ion Ratio Lower Upper
 266 100
 264 84.9 55.7 83.5#
 268 108.1 75.2 112.8





#12

Phenanthrene

Concen: 0.301 ng/ul

RT: 16.90 min Scan# 3634

Delta R.T. -0.00 min

Lab File: BN006996.D

Acq: 07 Aug 2019 20:21

Instrument :

BNA_N

ClientSampleId :

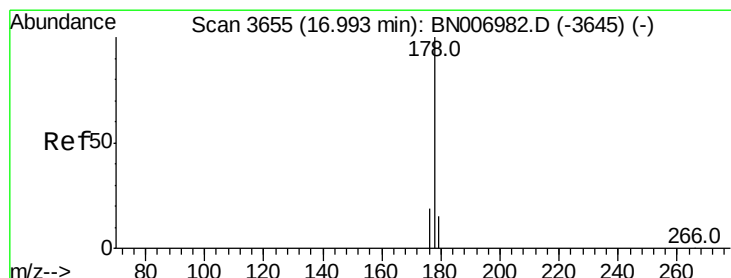
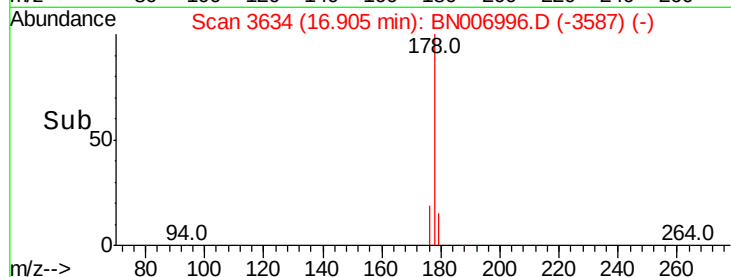
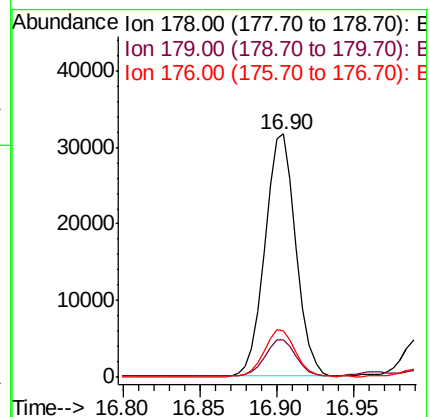
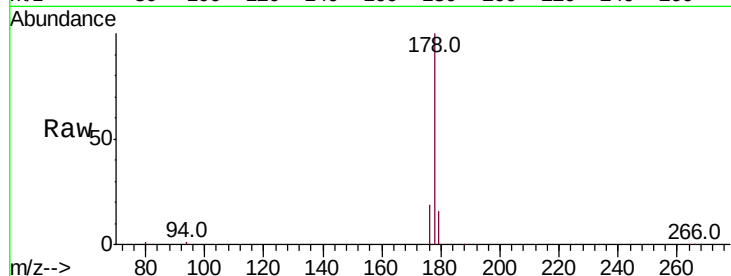
Tot Ion:178 Resp: 44342

Ion Ratio Lower Upper

178 100

179 15.7 12.5 18.7

176 19.3 15.6 23.4



#13

Anthracene

Concen: 0.050 ng/ul

RT: 16.99 min Scan# 3655

Delta R.T. -0.00 min

Lab File: BN006996.D

Acq: 07 Aug 2019 20:21

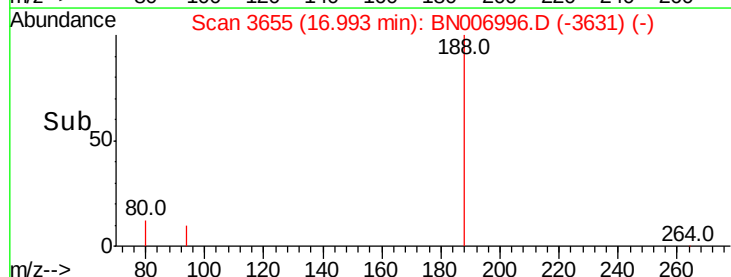
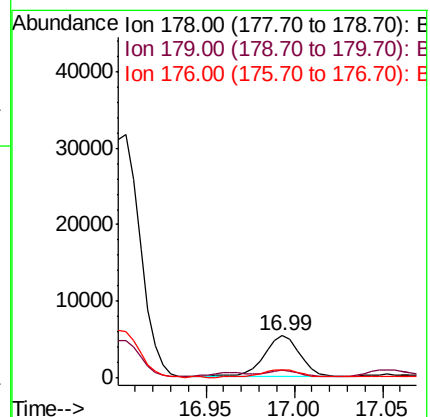
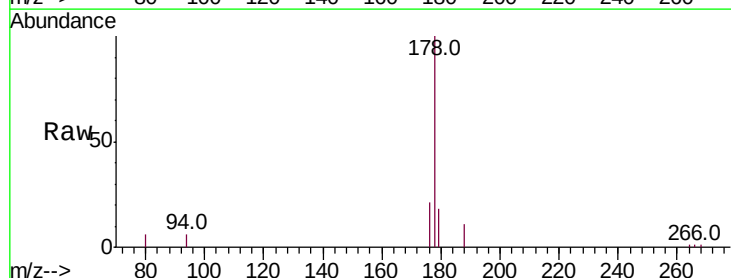
Tgt Ion:178 Resp: 7490

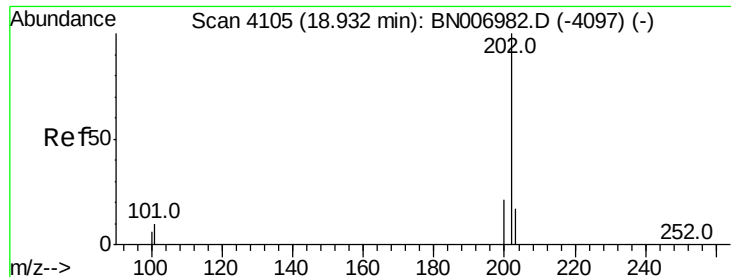
Ion Ratio Lower Upper

178 100

179 18.2 12.6 18.8

176 20.6 15.4 23.0





#15

Fluoranthene

Concen: 0.727 ng/ul

RT: 18.93 min Scan# 4105

Delta R.T. -0.00 min

Lab File: BN006996.D

Acq: 07 Aug 2019 20:21

Instrument :

BNA_N

ClientSampleId :

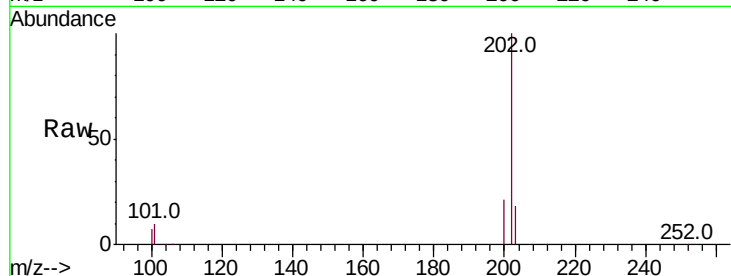
Tot Ion:202 Resp: 133043

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.0

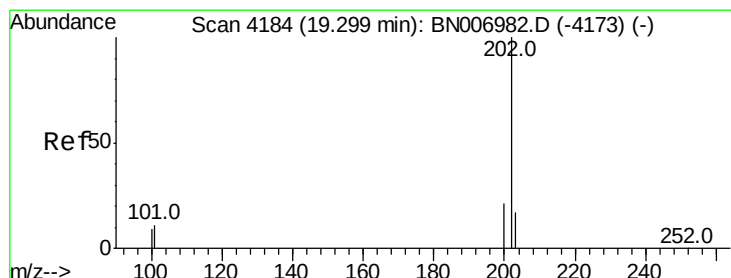
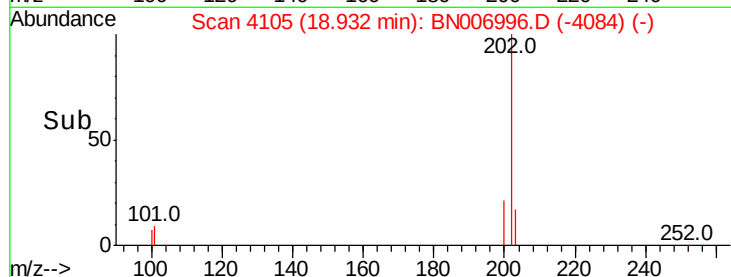
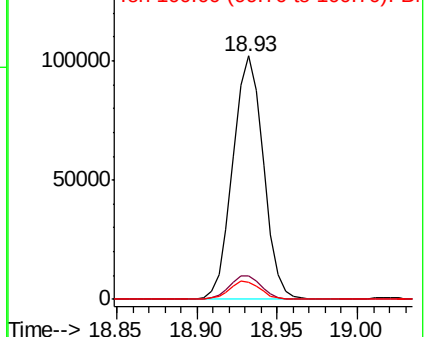
100 7.1 0.0 27.7



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: 0.625 ng/ul

RT: 19.29 min Scan# 4183

Delta R.T. -0.00 min

Lab File: BN006996.D

Acq: 07 Aug 2019 20:21

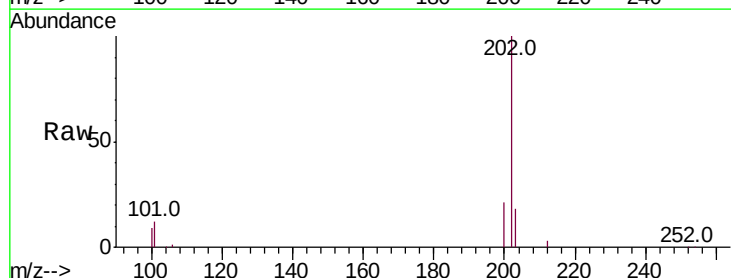
Tgt Ion:202 Resp: 114438

Ion Ratio Lower Upper

202 100

101 11.6 9.3 13.9

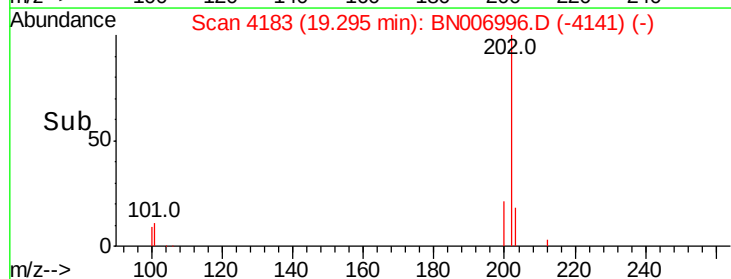
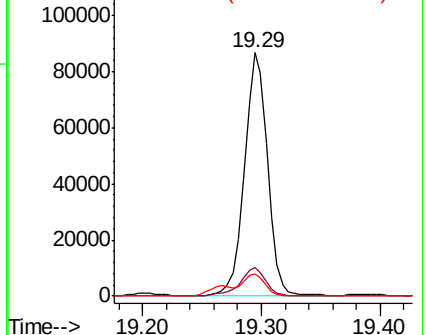
100 9.3 7.3 10.9

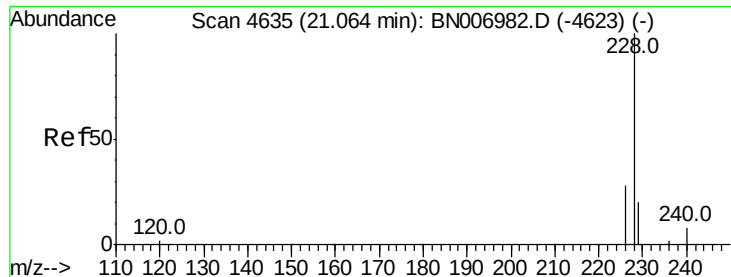


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.331 ng/ul

RT: 21.06 min Scan# 4634

Delta R.T. -0.00 min

Lab File: BN006996.D

Acq: 07 Aug 2019 20:21

Instrument :

BNA_N

ClientSampleId :

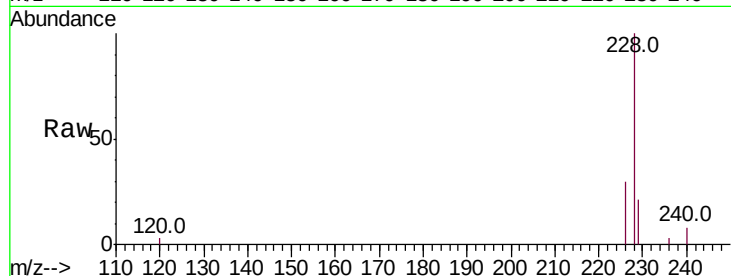
Tot Ion:228 Resp: 59702

Ion Ratio Lower Upper

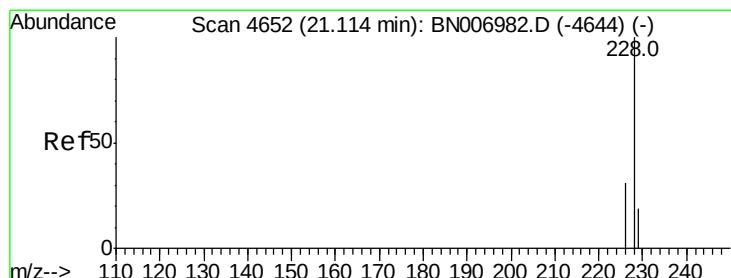
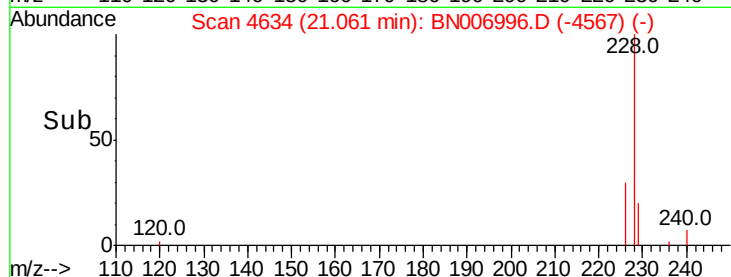
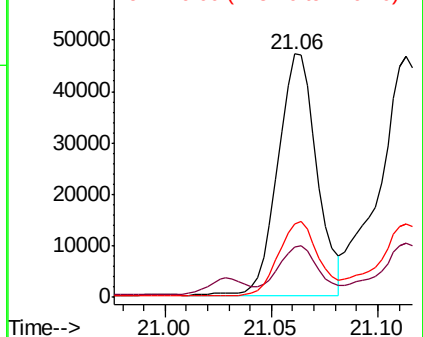
228 100

229 20.7 15.9 23.9

226 30.1 22.2 33.4



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: 0.421 ng/ul

RT: 21.11 min Scan# 4652

Delta R.T. -0.00 min

Lab File: BN006996.D

Acq: 07 Aug 2019 20:21

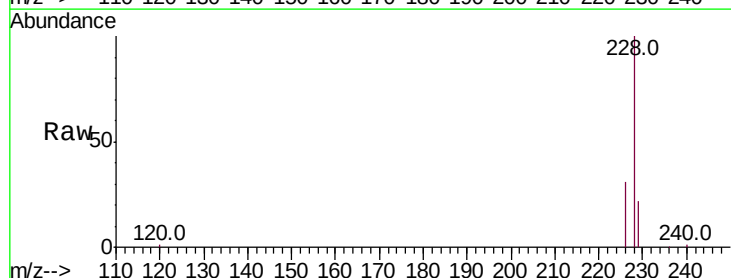
Tgt Ion:228 Resp: 71054

Ion Ratio Lower Upper

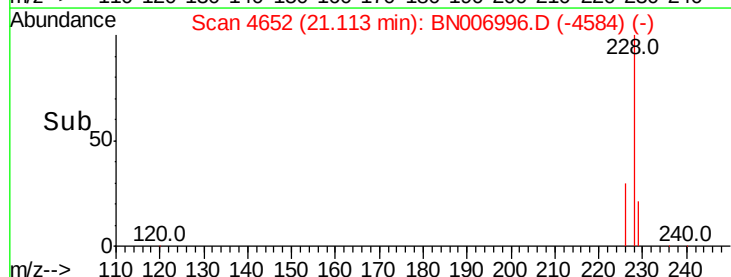
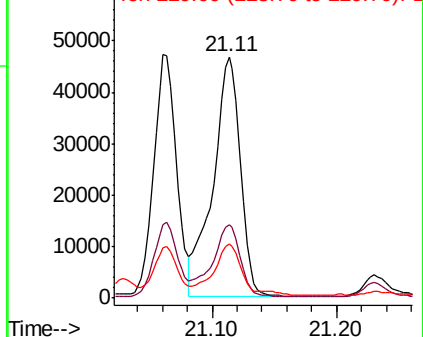
228 100

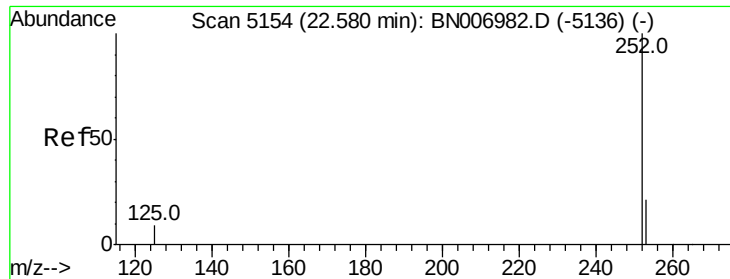
226 30.5 24.7 37.1

229 22.3 15.5 23.3



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: 0.853 ng/ul

RT: 22.58 min Scan# 5155

Delta R.T. 0.00 min

Lab File: BN006996.D

Acq: 07 Aug 2019 20:21

Instrument :

BNA_N

ClientSampleId :

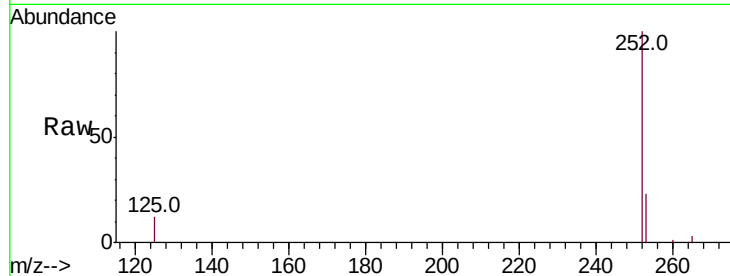
Tot Ion:252 Resp: 126263

Ion Ratio Lower Upper

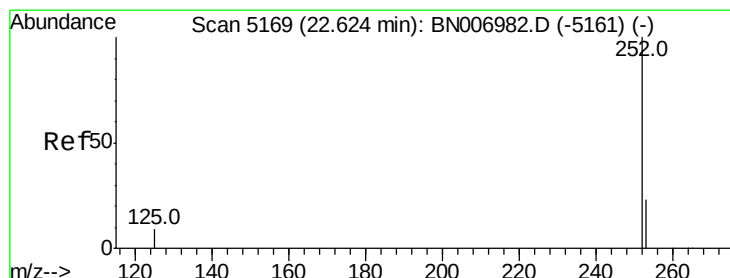
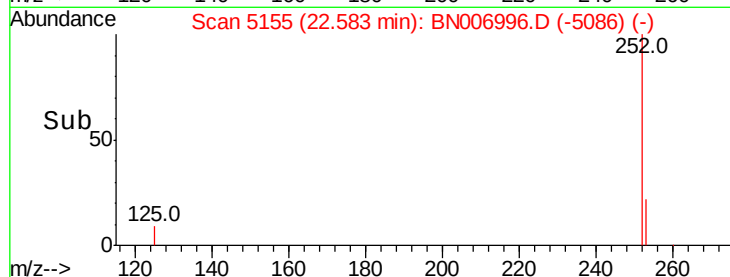
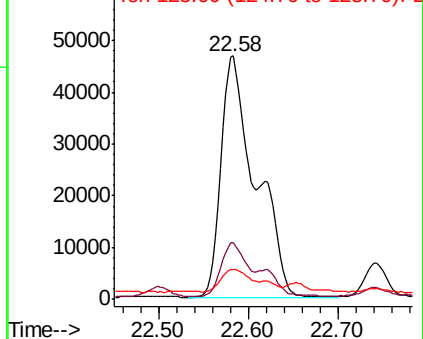
252 100

253 23.2 0.0 45.2

125 12.5 0.0 22.2



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: 0.880 ng/ul

RT: 22.58 min Scan# 5155

Delta R.T. -0.04 min

Lab File: BN006996.D

Acq: 07 Aug 2019 20:21

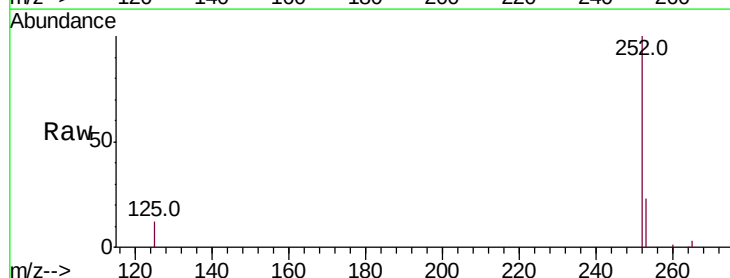
Tgt Ion:252 Resp: 126263

Ion Ratio Lower Upper

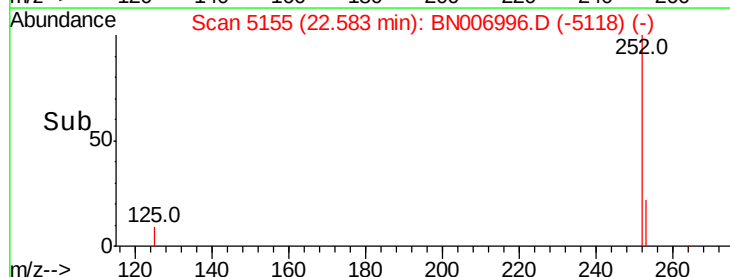
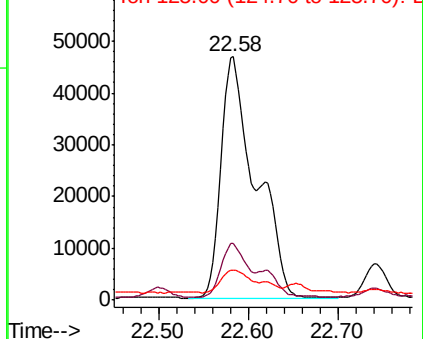
252 100

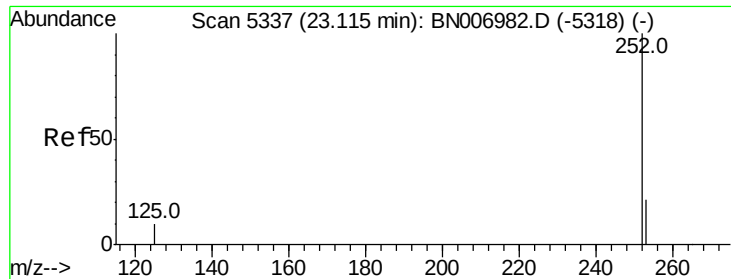
253 23.2 18.6 28.0

125 12.5 8.7 13.1



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





#23

Benzo(a)pyrene

Concen: 0.393 ng/ul

RT: 23.12 min Scan# 5337

Delta R.T. -0.00 min

Lab File: BN006996.D

Acq: 07 Aug 2019 20:21

Instrument :

BNA_N

ClientSampleId :

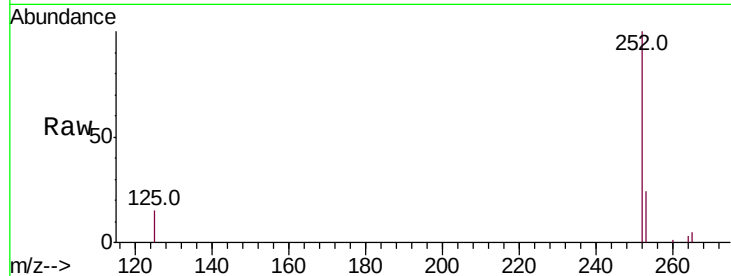
Tot Ion:252 Resp: 54788

Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

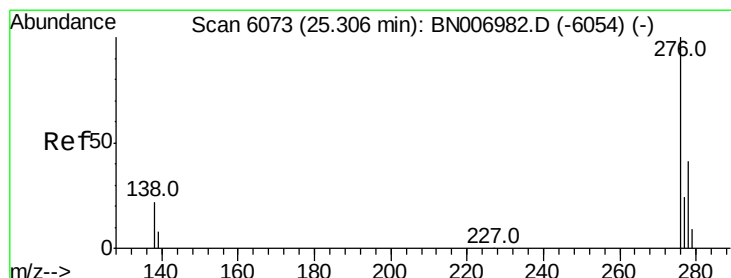
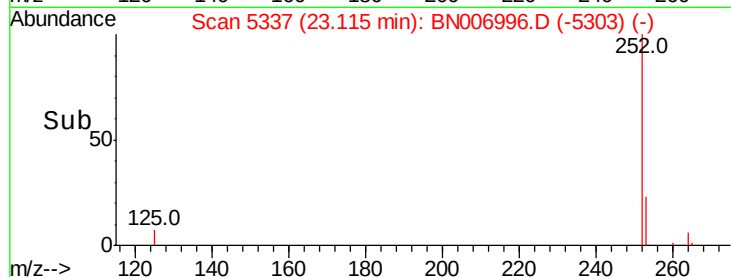
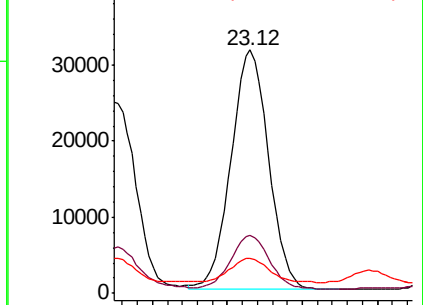
125 14.5 10.0 15.0



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

Indeno(1,2,3-cd)pyrene

Concen: 0.243 ng/ul

RT: 25.30 min Scan# 6072

Delta R.T. -0.00 min

Lab File: BN006996.D

Acq: 07 Aug 2019 20:21

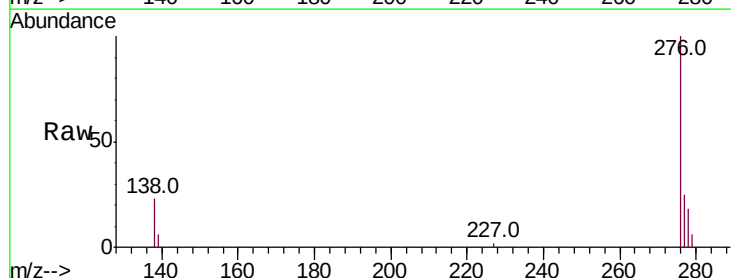
Tgt Ion:276 Resp: 36499

Ion Ratio Lower Upper

276 100

138 21.3 19.9 29.9

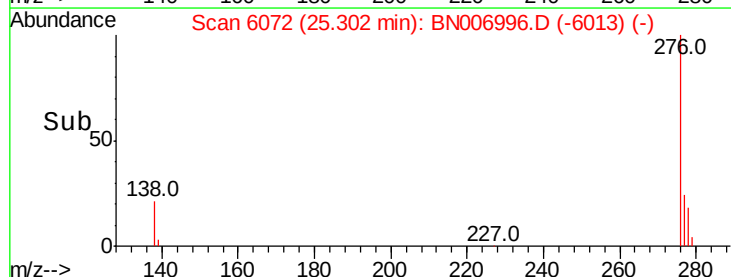
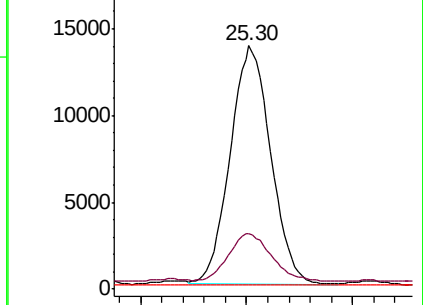
227 0.2 0.2 0.4#

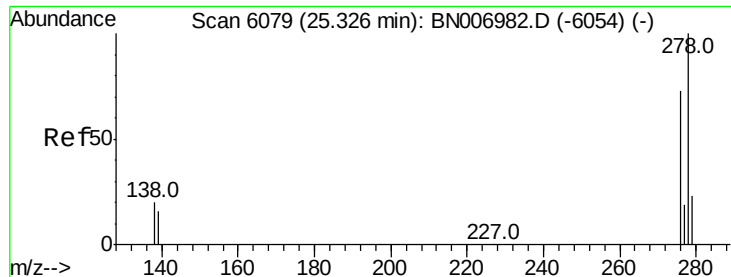


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



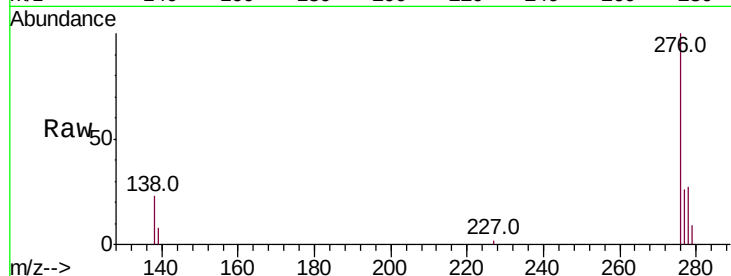


#25

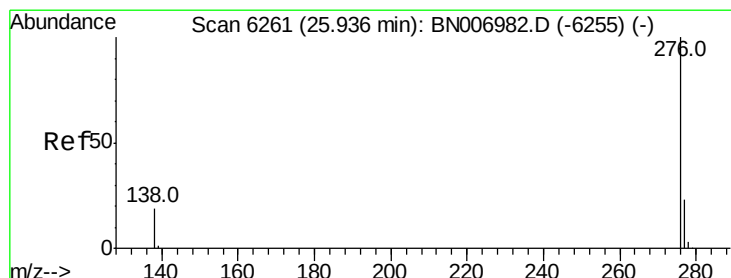
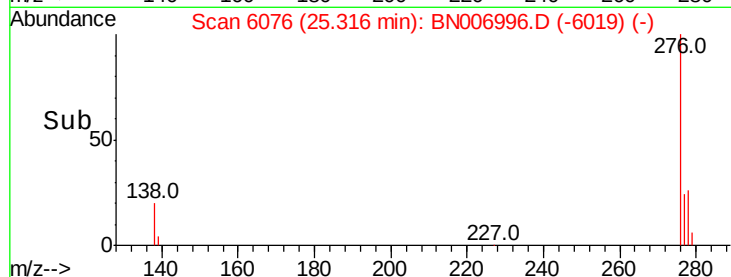
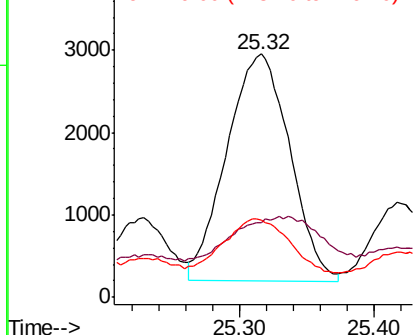
Dibenzo(a,h)anthracene
 Concen: 0.075 ng/ul
 RT: 25.32 min Scan# 6076
 Delta R.T. -0.01 min
 Lab File: BN006996.D
 Acq: 07 Aug 2019 20:21

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:278 Resp: 8949
 Ion Ratio Lower Upper
 278 100
 139 30.8 14.3 21.5#
 279 31.8 19.6 29.4#



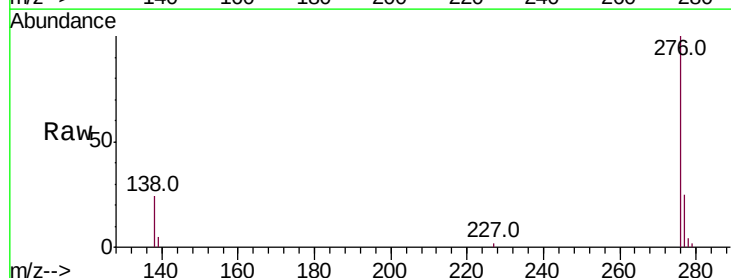
Abundance Ion 278.00 (277.70 to 278.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene
 Concen: 0.251 ng/ul
 RT: 25.94 min Scan# 6262
 Delta R.T. 0.00 min
 Lab File: BN006996.D
 Acq: 07 Aug 2019 20:21

Tgt Ion:276 Resp: 31568
 Ion Ratio Lower Upper
 276 100
 138 23.6 18.7 28.1
 277 24.7 19.3 28.9



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

