

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\
 Data File : BN006998.D
 Acq On : 07 Aug 2019 21:34
 Operator : HP/JU
 Sample : K3893--13DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 08 04:52:34 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

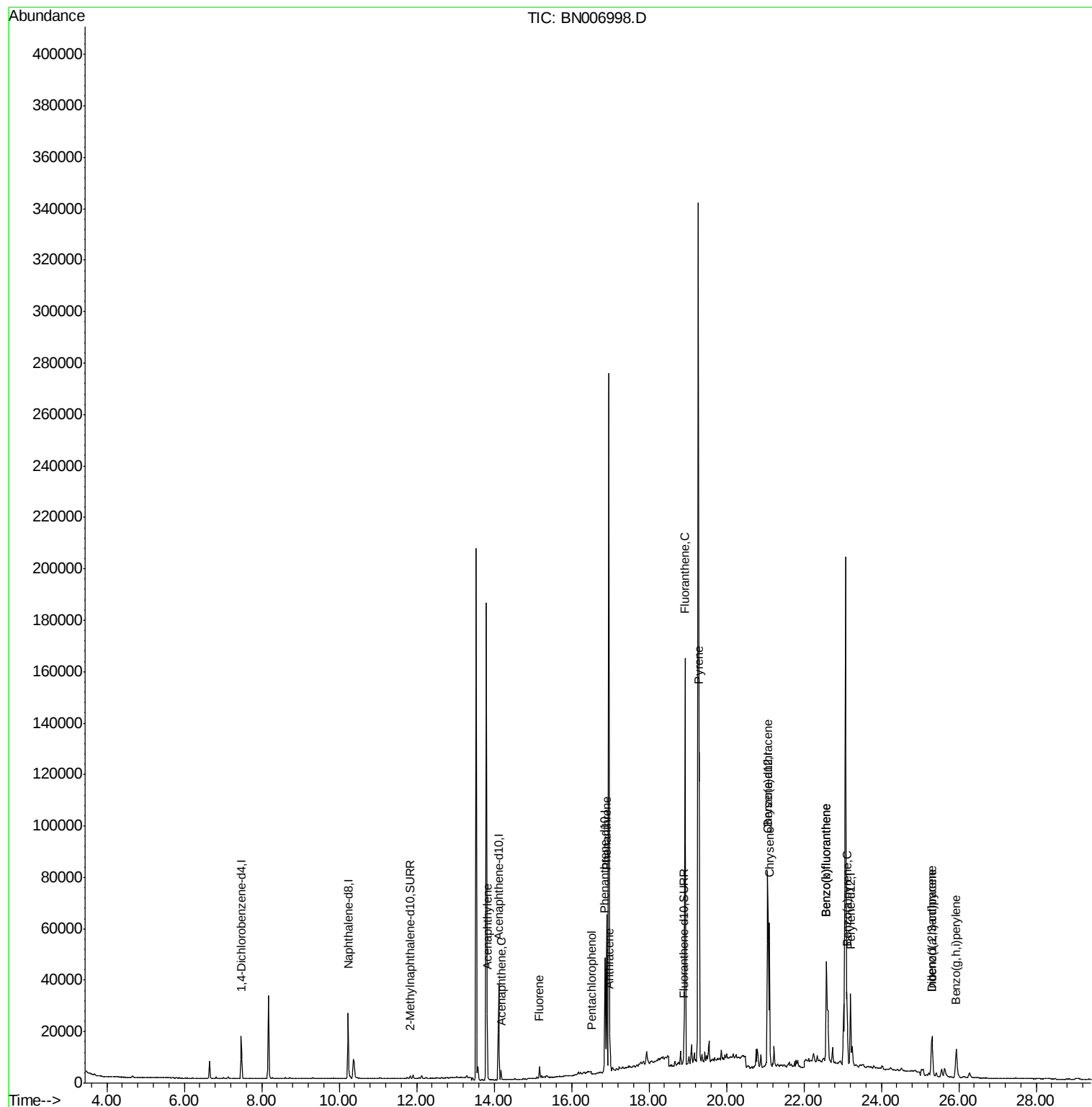
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	8100	0.40	ng/ul	0.00
2) Naphthalene-d8	10.23	136	33102	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	20839	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.86	188	51886	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	39111	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	33728	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.83	152	1574	0.03	ng/ul	0.00
14) Fluoranthene-d10	18.90	212	4482	0.03	ng/ul	0.00
Target Compounds				Ovalue		
7) Acenaphthylene	13.83	152	3121	0.026	ng/ul#	88
8) Acenaphthene	14.18	153	2146	0.026	ng/ul	97
9) Fluorene	15.17	166	2925	0.029	ng/ul#	94
11) Pentachlorophenol	16.52	266	420	0.029	ng/ul#	68
12) Phenanthrene	16.90	178	63377	0.383	ng/ul	99
13) Anthracene	16.99	178	13126	0.078	ng/ul#	91
15) Fluoranthene	18.93	202	134236	0.653	ng/ul	99
17) Pyrene	19.29	202	110983	0.636	ng/ul	98
18) Benzo(a)anthracene	21.06	228	54456	0.317	ng/ul	94
19) Chrysene	21.11	228	56403	0.351	ng/ul#	94
21) Benzo(b)fluoranthene	22.58	252	81741	0.598	ng/ul#	85
22) Benzo(k)fluoranthene	22.58	252	81741	0.617	ng/ul#	86
23) Benzo(a)pyrene	23.11	252	36759	0.286	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.30	276	24453	0.176	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.31	278	6534	0.059	ng/ul#	61
26) Benzo(a,h,i)perylene	25.94	276	21705	0.186	ng/ul	95

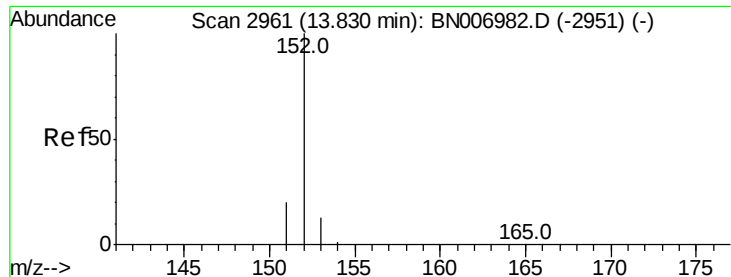
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.026 ng/ul

RT: 13.83 min Scan# 2961

Delta R.T. 0.00 min

Lab File: BN006998.D

Acq: 07 Aug 2019 21:34

Instrument :

BNA_N

ClientSampleId :

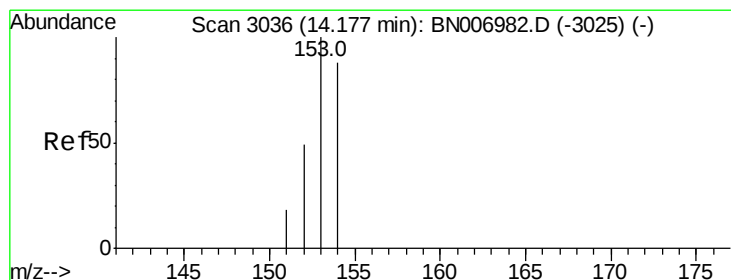
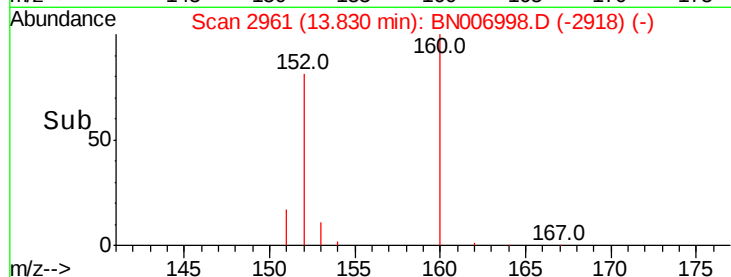
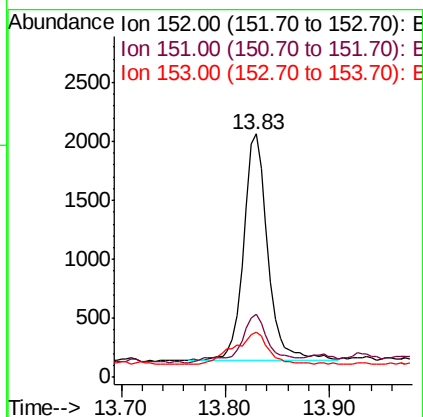
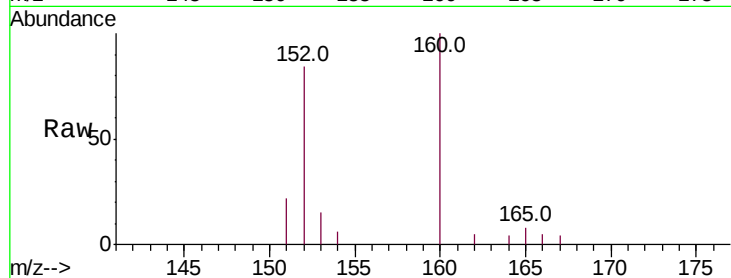
Tot Ion:152 Resp: 3121

Ion Ratio Lower Upper

152 100

151 26.1 16.3 24.5#

153 18.3 11.0 16.4#



#8

Acenaphthene

Concen: 0.026 ng/ul

RT: 14.18 min Scan# 3036

Delta R.T. 0.00 min

Lab File: BN006998.D

Acq: 07 Aug 2019 21:34

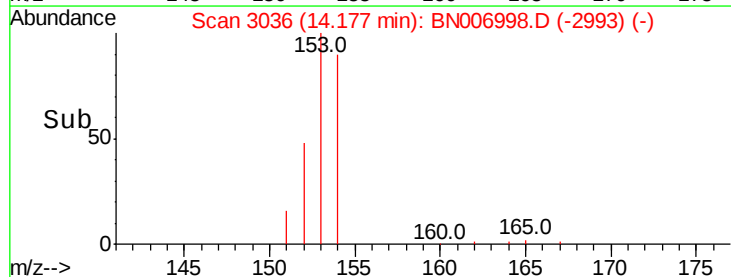
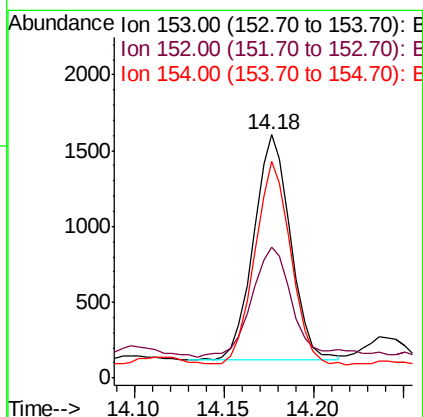
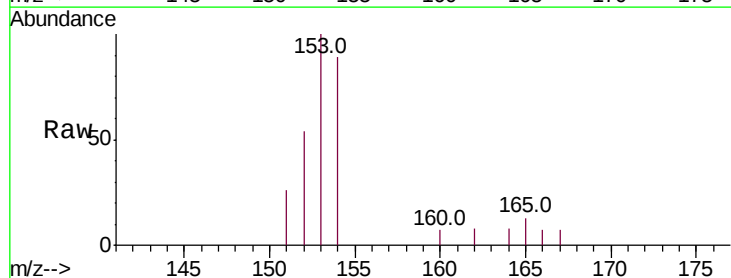
Tgt Ion:153 Resp: 2146

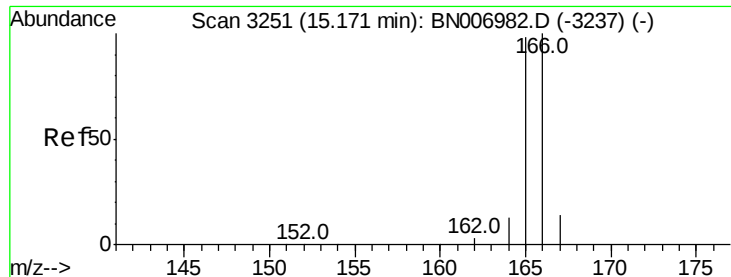
Ion Ratio Lower Upper

153 100

152 53.8 39.4 59.2

154 88.8 70.1 105.1

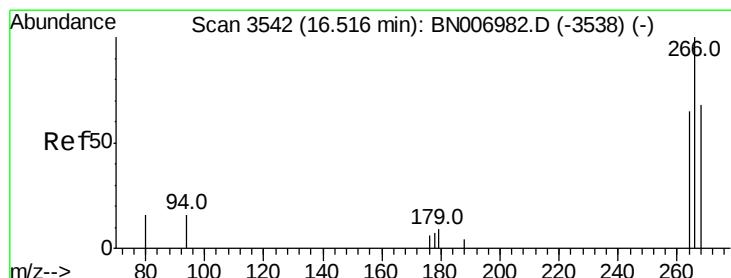
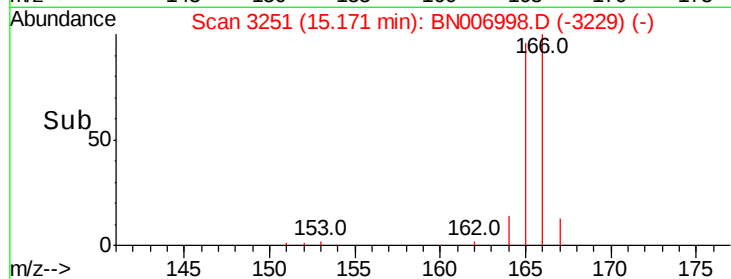
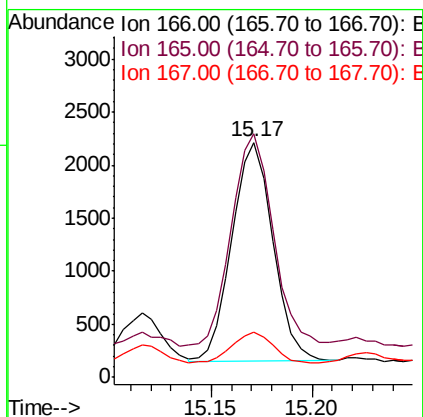
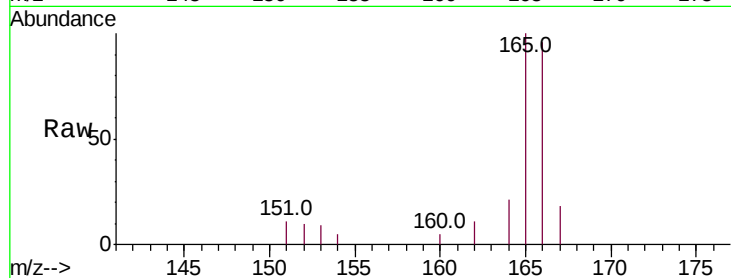




#9
Fluorene
 Concen: 0.029 ng/ul
 RT: 15.17 min Scan# 3251
 Delta R.T. 0.00 min
 Lab File: BN006998.D
 Acq: 07 Aug 2019 21:34

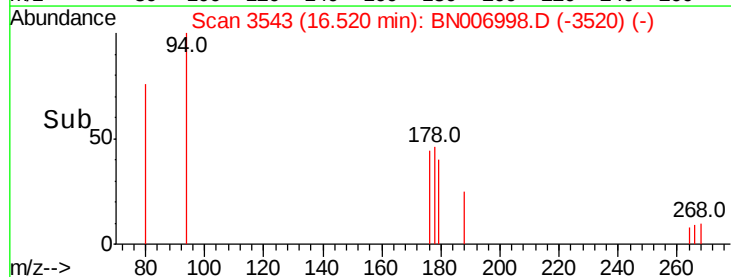
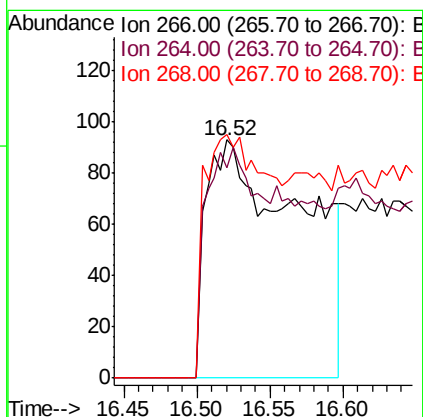
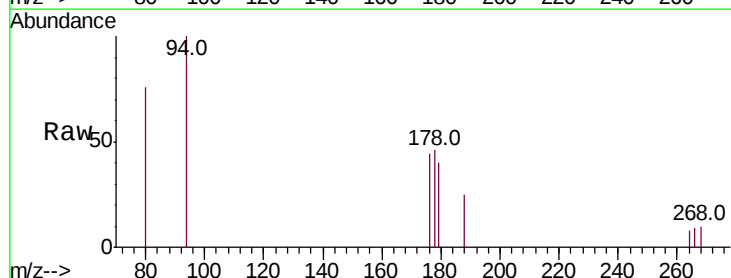
Instrument :
 BNA_N
 ClientSampleId :

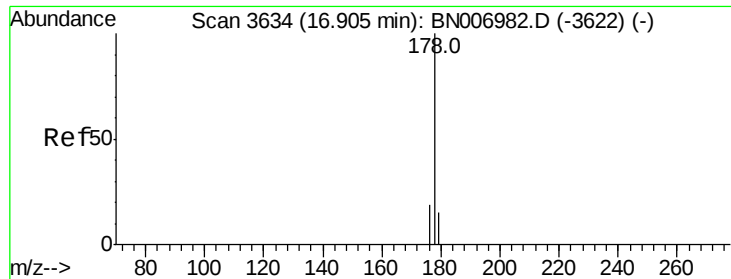
Tot Ion:166 Resp: 2925
 Ion Ratio Lower Upper
 166 100
 165 103.8 78.8 118.2
 167 19.0 11.3 16.9#



#11
Pentachlorophenol
 Concen: 0.029 ng/ul
 RT: 16.52 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: BN006998.D
 Acq: 07 Aug 2019 21:34

Tgt Ion:266 Resp: 420
 Ion Ratio Lower Upper
 266 100
 264 102.1 55.7 83.5#
 268 119.3 75.2 112.8#





#12

Phenanthrene

Concen: 0.383 ng/ul

RT: 16.90 min Scan# 3634

Delta R.T. 0.00 min

Lab File: BN006998.D

Acq: 07 Aug 2019 21:34

Instrument :

BNA_N

ClientSampleId :

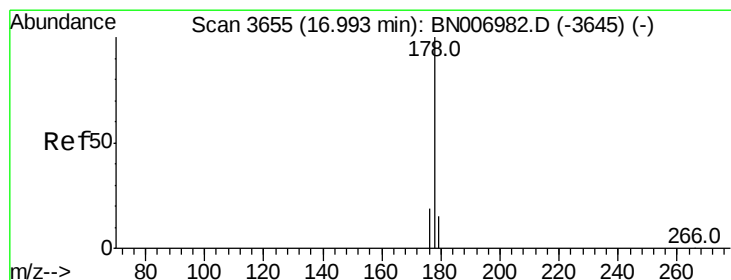
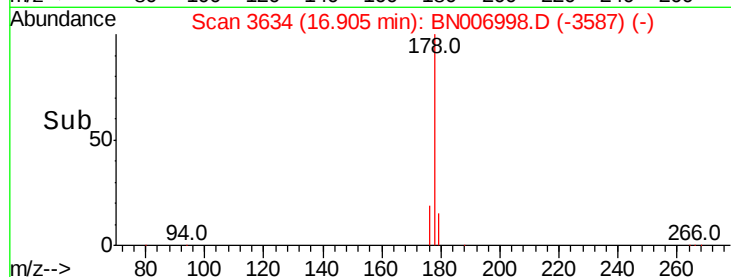
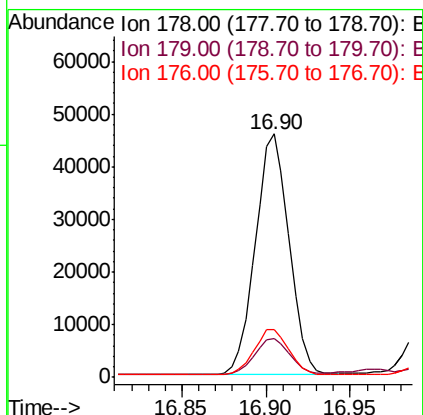
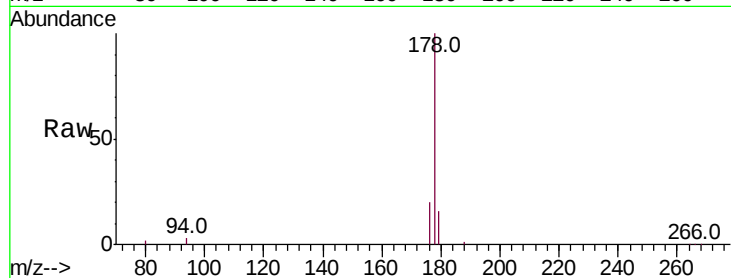
Tot Ion:178 Resp: 63377

Ion Ratio Lower Upper

178 100

179 16.2 12.5 18.7

176 19.8 15.6 23.4



#13

Anthracene

Concen: 0.078 ng/ul

RT: 16.99 min Scan# 3655

Delta R.T. 0.00 min

Lab File: BN006998.D

Acq: 07 Aug 2019 21:34

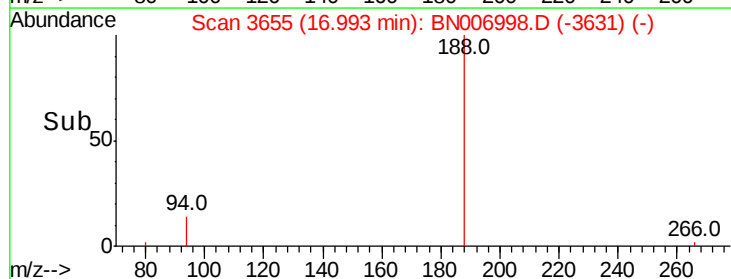
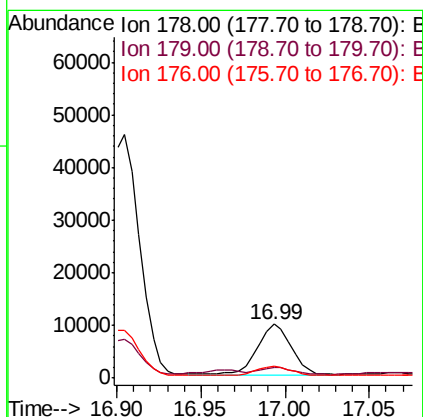
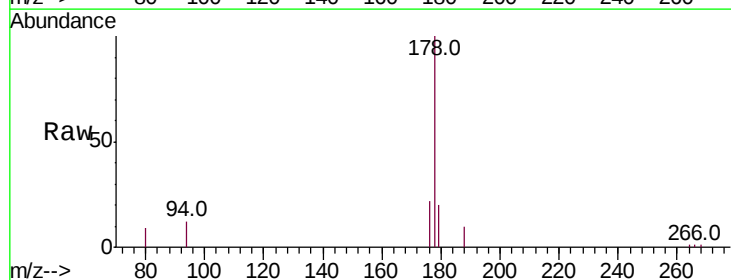
Tgt Ion:178 Resp: 13126

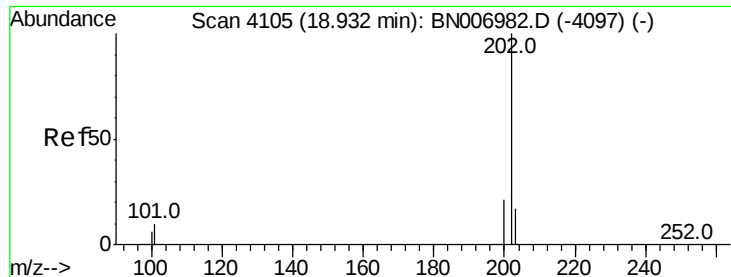
Ion Ratio Lower Upper

178 100

179 20.1 12.6 18.8#

176 22.4 15.4 23.0





#15

Fluoranthene

Concen: 0.653 ng/ul

RT: 18.93 min Scan# 4105

Delta R.T. 0.00 min

Lab File: BN006998.D

Acq: 07 Aug 2019 21:34

Instrument :

BNA_N

ClientSampleId :

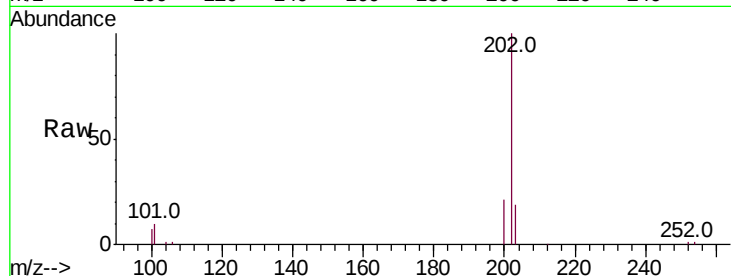
Tot Ion:202 Resp: 134236

Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.0

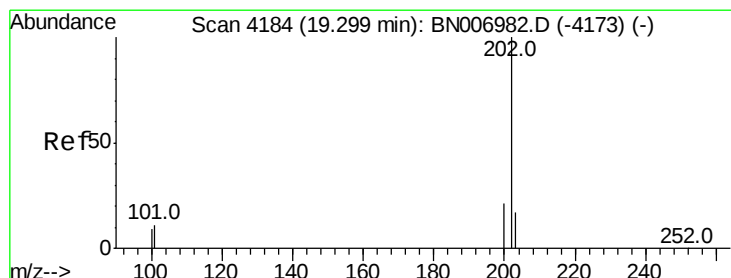
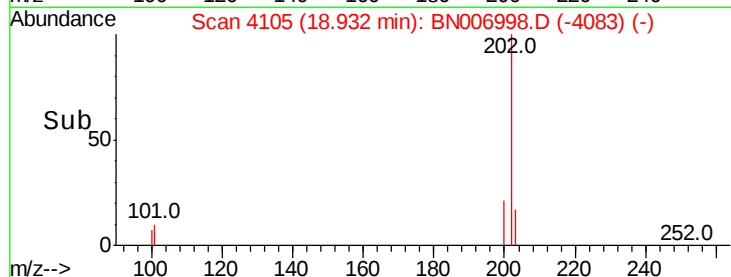
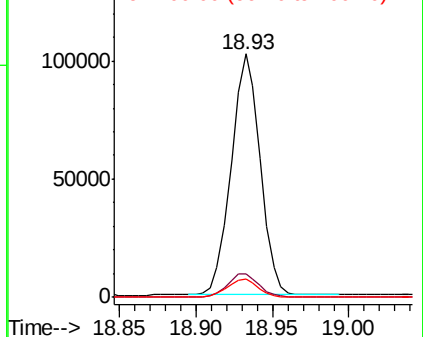
100 7.3 0.0 27.7



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: 0.636 ng/ul

RT: 19.29 min Scan# 4183

Delta R.T. -0.00 min

Lab File: BN006998.D

Acq: 07 Aug 2019 21:34

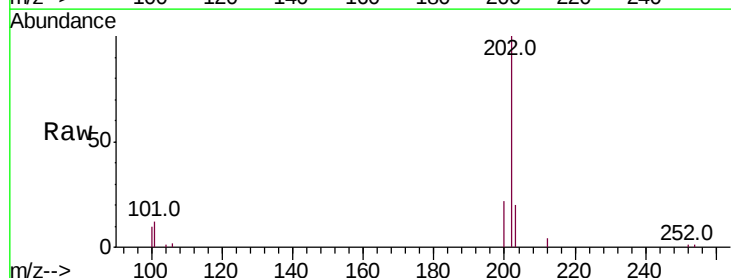
Tgt Ion:202 Resp: 110983

Ion Ratio Lower Upper

202 100

101 12.4 9.3 13.9

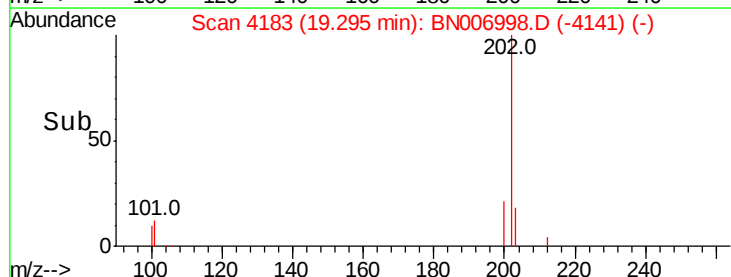
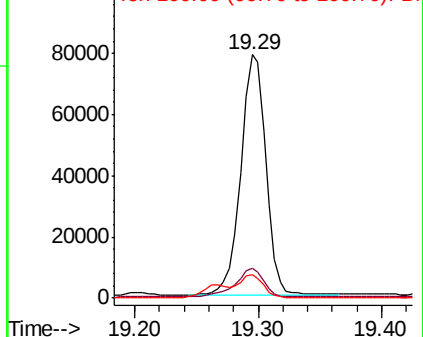
100 9.8 7.3 10.9

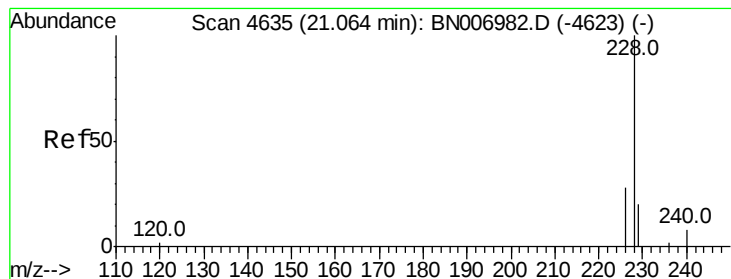


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.317 ng/ul

RT: 21.06 min Scan# 4635

Delta R.T. 0.00 min

Lab File: BN006998.D

Acq: 07 Aug 2019 21:34

Instrument :

BNA_N

ClientSampleId :

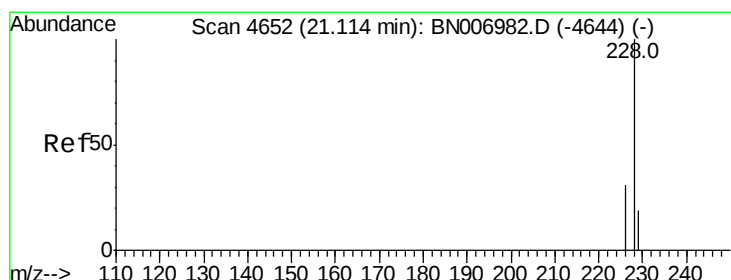
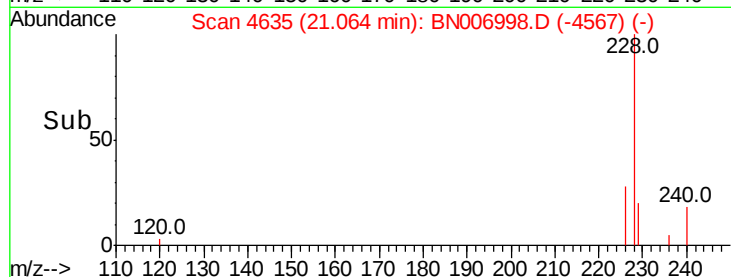
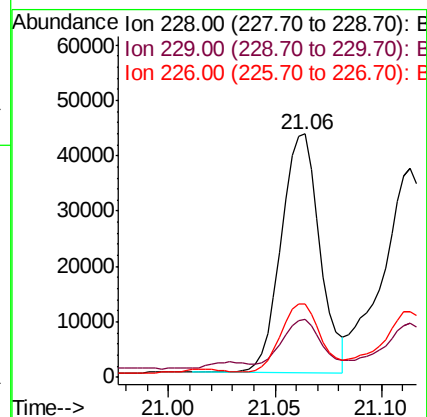
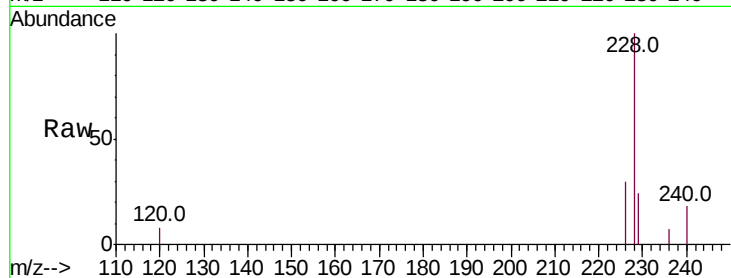
Tot Ion:228 Resp: 54456

Ion Ratio Lower Upper

228 100

229 23.9 15.9 23.9

226 30.4 22.2 33.4



#19

Chrysene

Concen: 0.351 ng/ul

RT: 21.11 min Scan# 4652

Delta R.T. 0.00 min

Lab File: BN006998.D

Acq: 07 Aug 2019 21:34

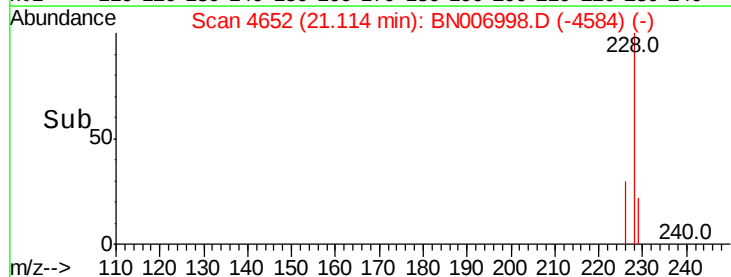
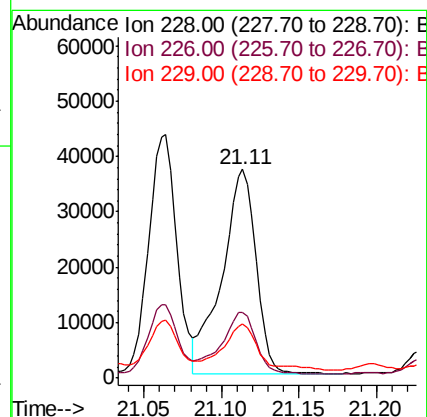
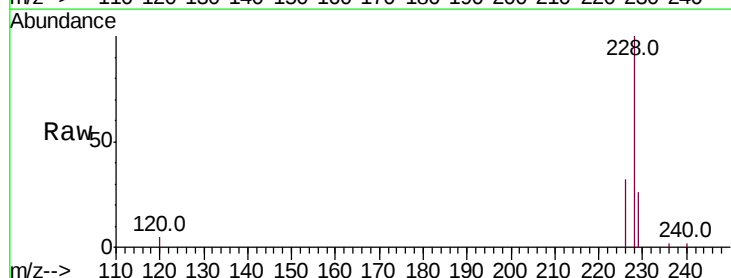
Tgt Ion:228 Resp: 56403

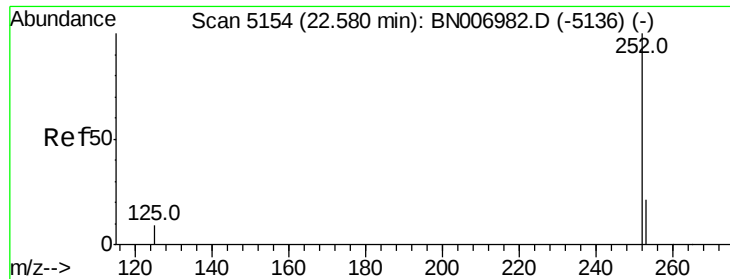
Ion Ratio Lower Upper

228 100

226 31.5 24.7 37.1

229 25.8 15.5 23.3#





#21

Benzo(b)fluoranthene

Concen: 0.598 ng/u1

RT: 22.58 min Scan# 5153

Delta R.T. -0.00 min

Lab File: BN006998.D

Acq: 07 Aug 2019 21:34

Instrument :

BNA_N

ClientSampleId :

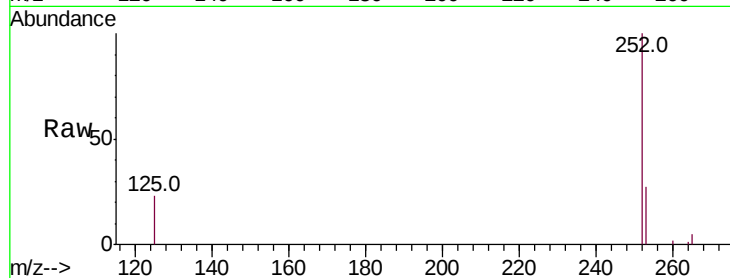
Tot Ion:252 Resp: 81741

Ion Ratio Lower Upper

252 100

253 26.5 0.0 45.2

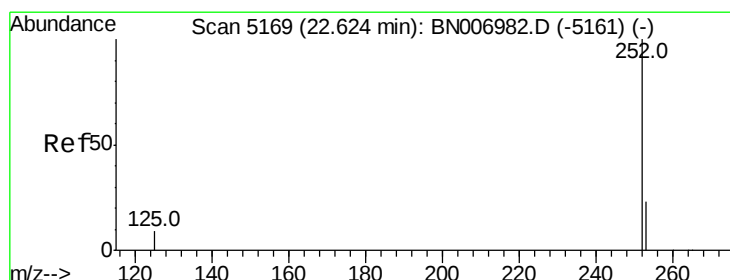
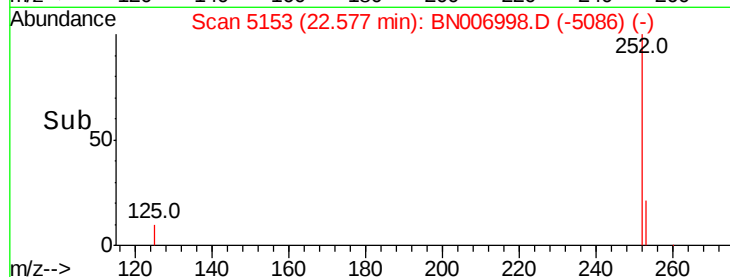
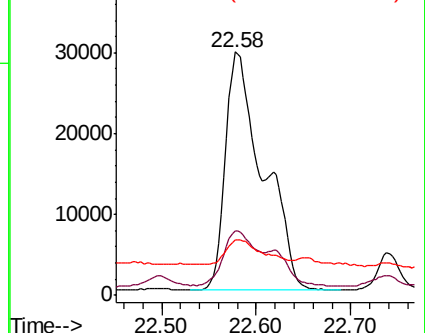
125 22.7 0.0 22.2#



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: 0.617 ng/u1

RT: 22.58 min Scan# 5153

Delta R.T. -0.05 min

Lab File: BN006998.D

Acq: 07 Aug 2019 21:34

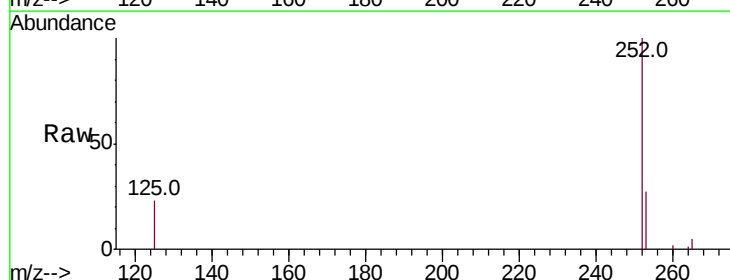
Tgt Ion:252 Resp: 81741

Ion Ratio Lower Upper

252 100

253 26.5 18.6 28.0

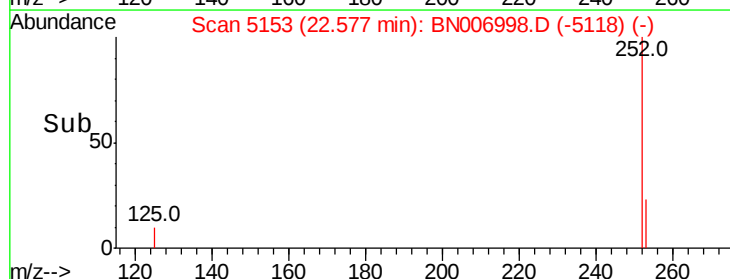
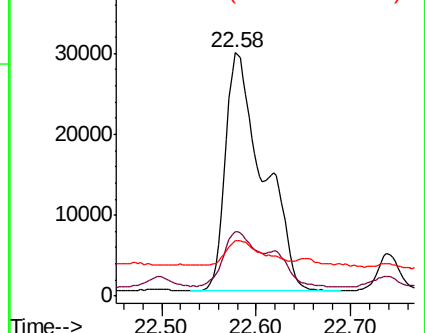
125 22.7 8.7 13.1#

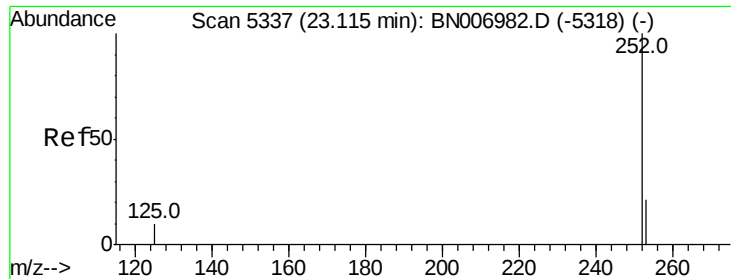


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.286 ng/ul

RT: 23.11 min Scan# 5336

Delta R.T. -0.00 min

Lab File: BN006998.D

Acq: 07 Aug 2019 21:34

Instrument :

BNA_N

ClientSampleId :

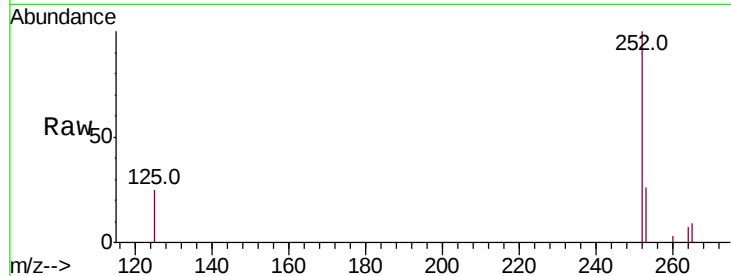
Tot Ion:252 Resp: 36759

Ion Ratio Lower Upper

252 100

253 26.3 18.0 27.0

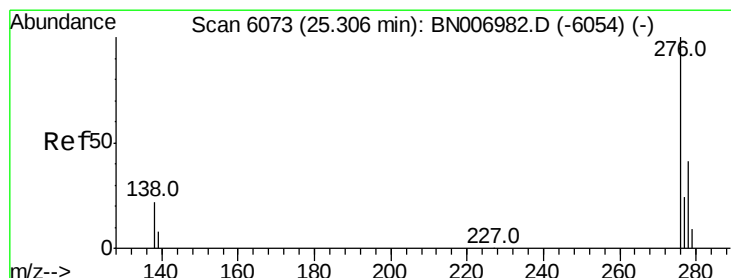
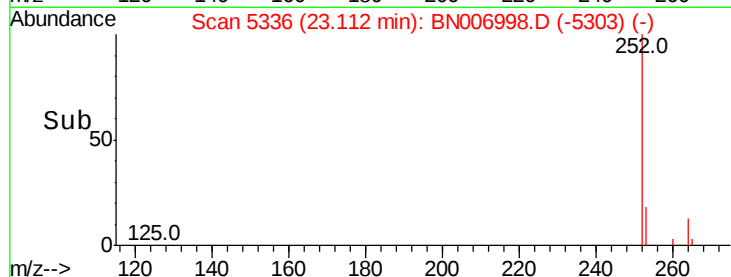
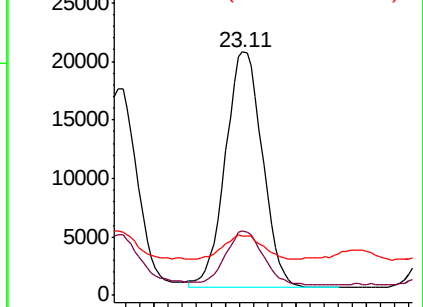
125 24.6 10.0 15.0#



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: 0.176 ng/ul

RT: 25.30 min Scan# 6071

Delta R.T. -0.01 min

Lab File: BN006998.D

Acq: 07 Aug 2019 21:34

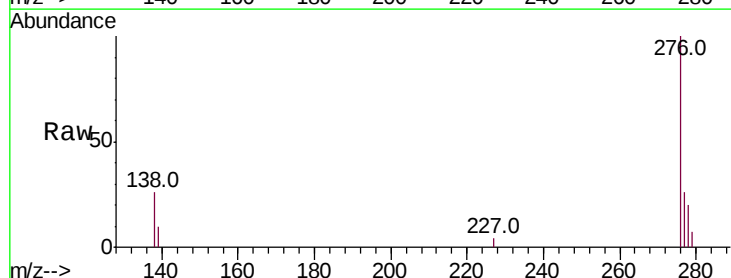
Tgt Ion:276 Resp: 24453

Ion Ratio Lower Upper

276 100

138 22.4 19.9 29.9

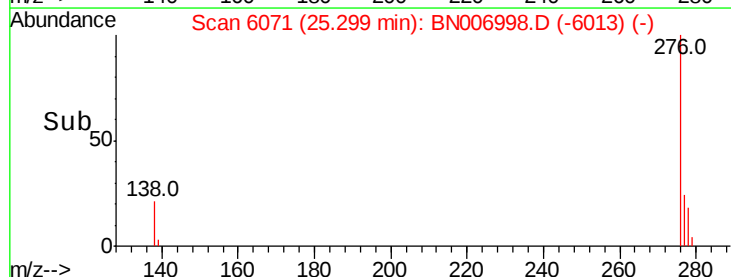
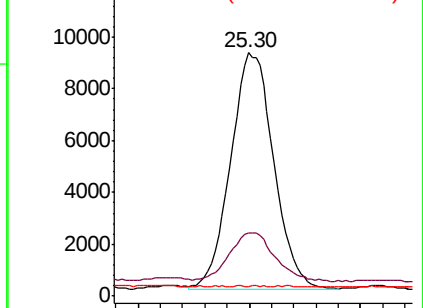
227 0.0 0.2 0.4#

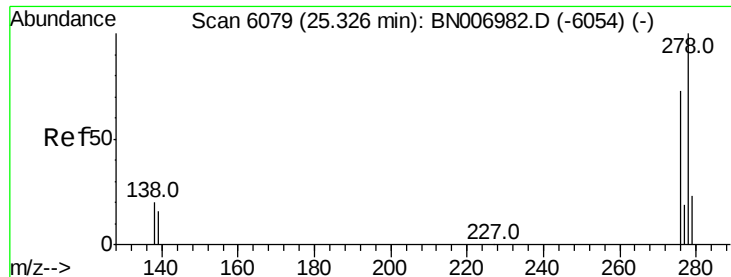


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



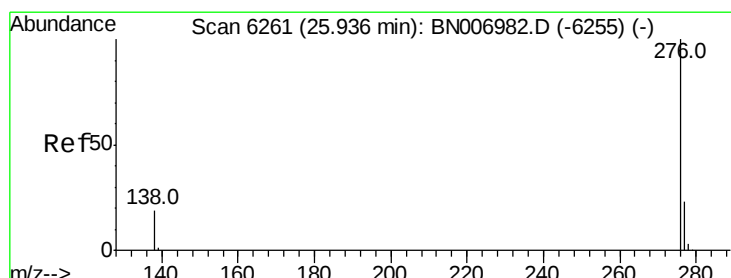
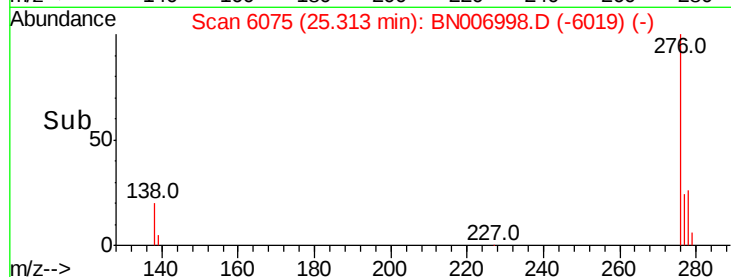
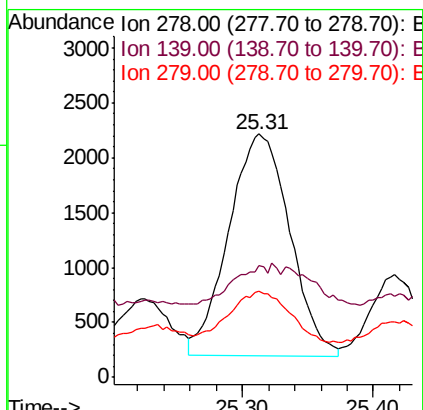
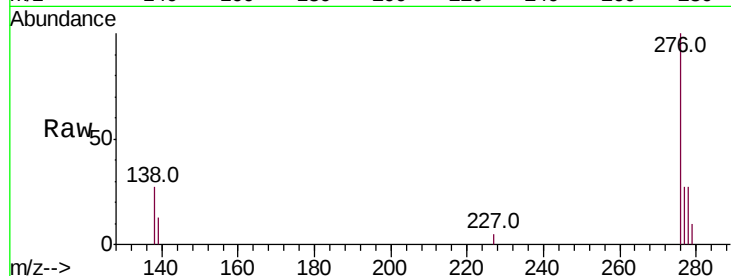


#25
Dibenzo(a,h)anthracene
Concen: 0.059 ng/ul
RT: 25.31 min Scan# 6075
Delta R.T. -0.01 min
Lab File: BN006998.D
Acq: 07 Aug 2019 21:34

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 6534

Ion	Ratio	Lower	Upper
278	100		
139	45.9	14.3	21.5#
279	35.3	19.6	29.4#



#26
Benzo(g,h,i)perylene
Concen: 0.186 ng/ul
RT: 25.94 min Scan# 6261
Delta R.T. 0.00 min
Lab File: BN006998.D
Acq: 07 Aug 2019 21:34

Tgt Ion:276 Resp: 21705

Ion	Ratio	Lower	Upper
276	100		
138	26.5	18.7	28.1
277	25.9	19.3	28.9

