

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\
 Data File : BN007036.D
 Acq On : 08 Aug 2019 21:27
 Operator : HP/JU
 Sample : K3962-07DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 09 02:04:34 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	8838	0.40	ng/ul	0.00
2) Naphthalene-d8	10.23	136	35277	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.11	164	21451	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.86	188	55351	0.40	ng/ul	0.00
16) Chrysene-d12	21.07	240	44941	0.40	ng/ul	0.00
20) Perylene-d12	23.20	264	41777	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.83	152	6387	0.10	ng/ul	0.00
14) Fluoranthene-d10	18.90	212	21129	0.12	ng/ul	0.00

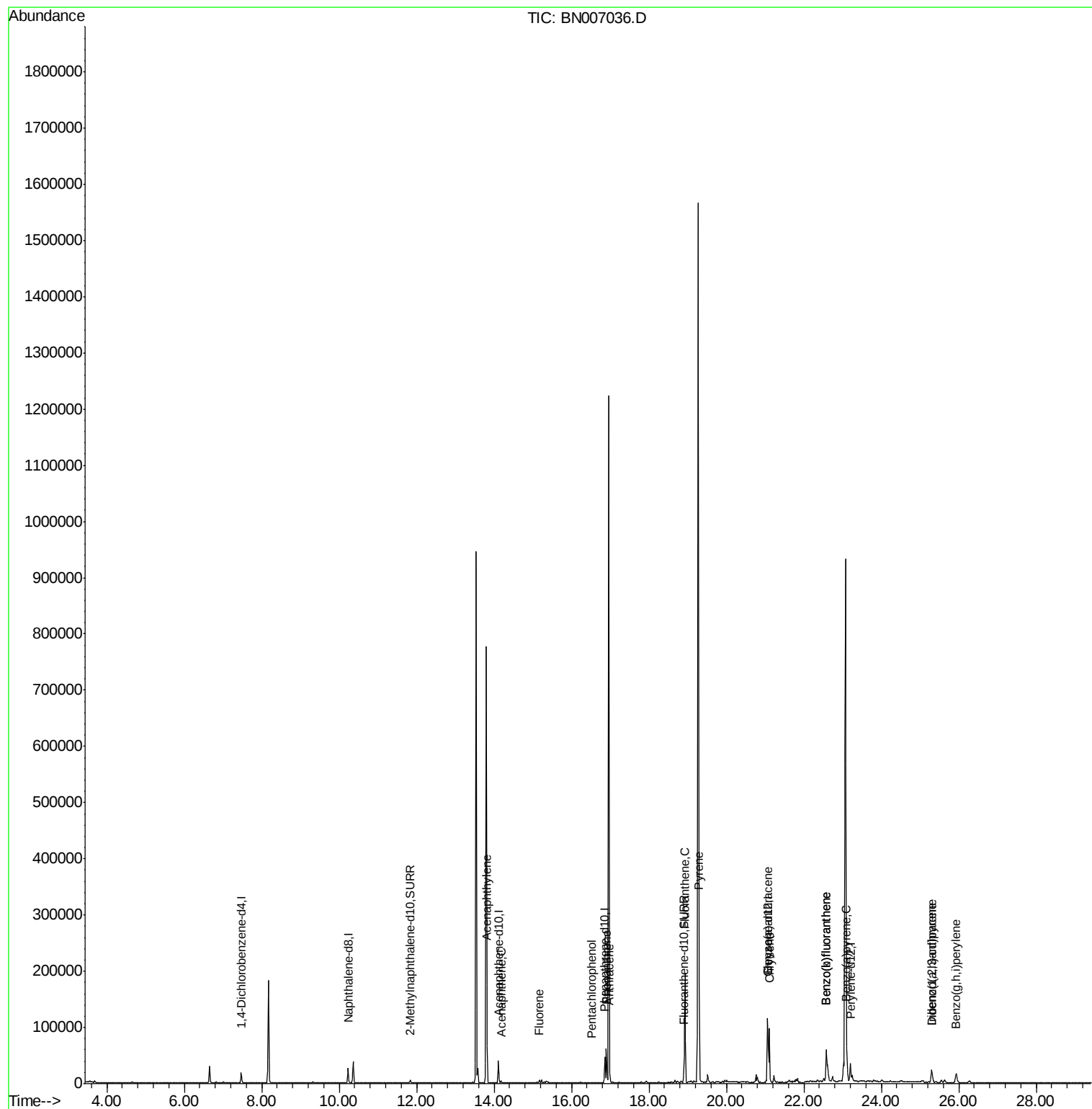
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
7) Acenaphthylene	13.82	152	3639	0.029	ng/ul#	93
8) Acenaphthene	14.18	153	2263	0.027	ng/ul	99
9) Fluorene	15.17	166	3294	0.032	ng/ul#	97
11) Pentachlorophenol	16.52	266	359	0.024	ng/ul#	86
12) Phenanthrene	16.90	178	63150	0.358	ng/ul	100
13) Anthracene	16.99	178	12906	0.072	ng/ul	98
15) Fluoranthene	18.93	202	170291	0.777	ng/ul	99
17) Pyrene	19.29	202	172259	0.859	ng/ul	99
18) Benzo(a)anthracene	21.06	228	88017	0.446	ng/ul	97
19) Chrysene	21.11	228	96122	0.520	ng/ul	97
21) Benzo(b)fluoranthene	22.58	252	121191	0.716	ng/ul	99
22) Benzo(k)fluoranthene	22.58	252	121191	0.738	ng/ul	100
23) Benzo(a)pyrene	23.11	252	61644	0.387	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.30	276	33256	0.193	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.31	278	9237	0.067	ng/ul#	80
26) Benzo(a,h,i)perylene	25.93	276	33629	0.233	ng/ul	98

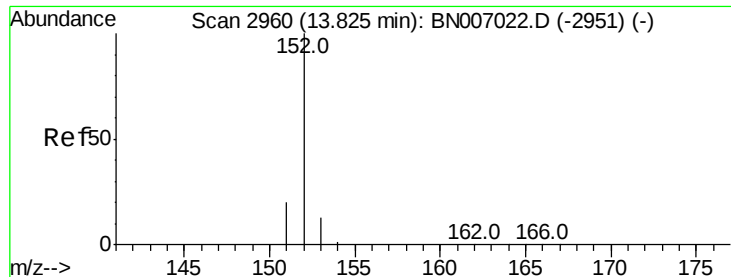
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.029 ng/ul

RT: 13.82 min Scan# 2960

Delta R.T. -0.00 min

Lab File: BN007036.D

Acq: 08 Aug 2019 21:27

Instrument :

BNA_N

ClientSampleId :

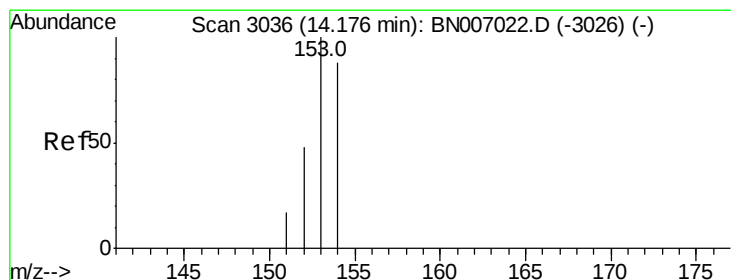
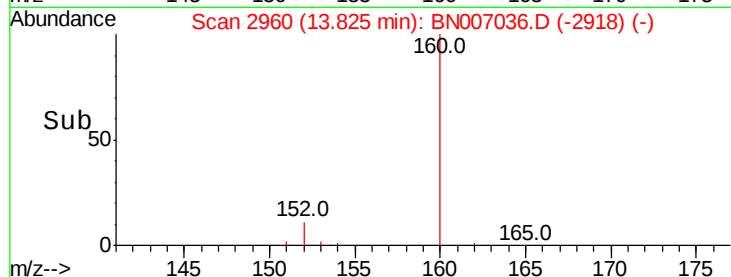
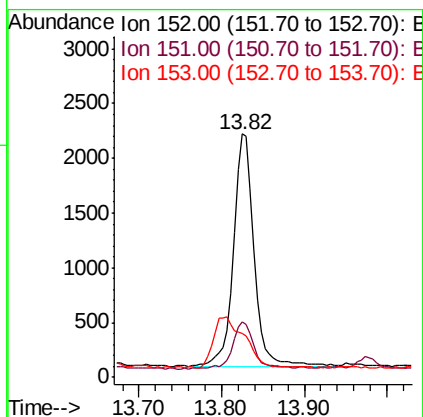
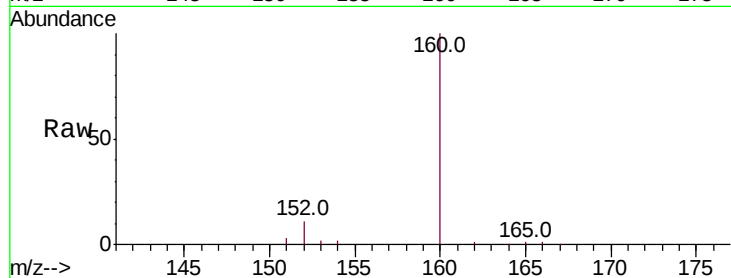
Tot Ion:152 Resp: 3639

Ion Ratio Lower Upper

152 100

151 22.7 16.3 24.5

153 18.0 11.0 16.4#



#8

Acenaphthene

Concen: 0.027 ng/ul

RT: 14.18 min Scan# 3036

Delta R.T. 0.00 min

Lab File: BN007036.D

Acq: 08 Aug 2019 21:27

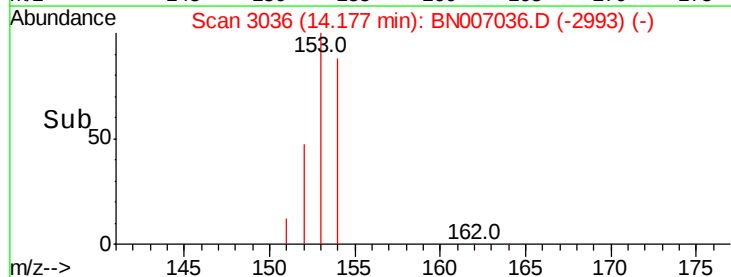
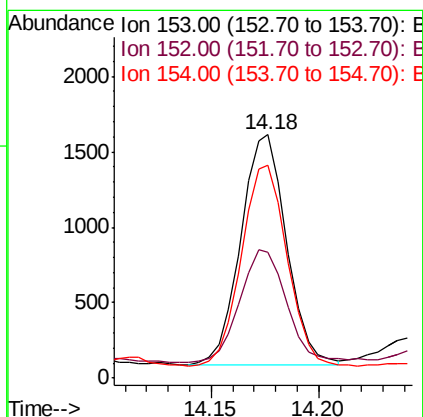
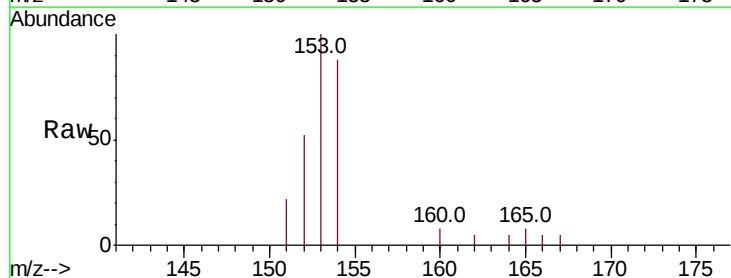
Tgt Ion:153 Resp: 2263

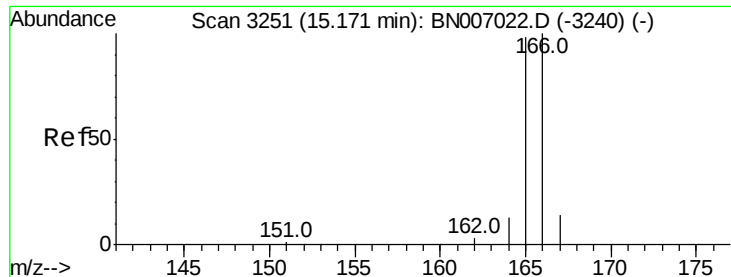
Ion Ratio Lower Upper

153 100

152 51.8 39.4 59.2

154 87.5 70.1 105.1





#9

Fluorene

Concen: 0.032 ng/ul

RT: 15.17 min Scan# 3250

Delta R.T. -0.00 min

Lab File: BN007036.D

Acq: 08 Aug 2019 21:27

Instrument :

BNA_N

ClientSampleId :

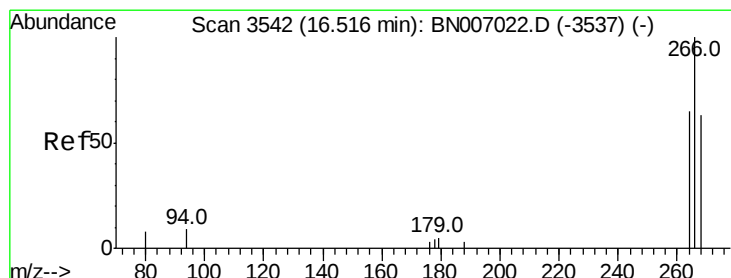
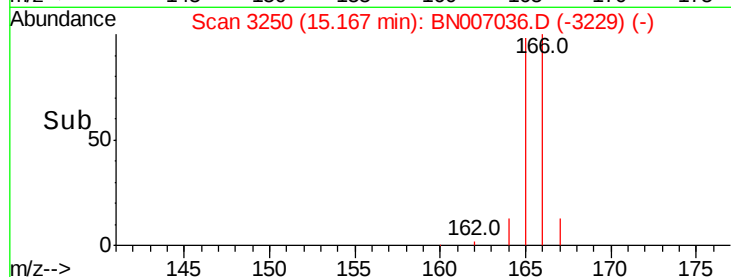
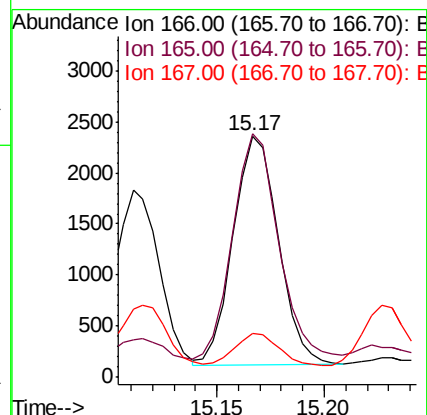
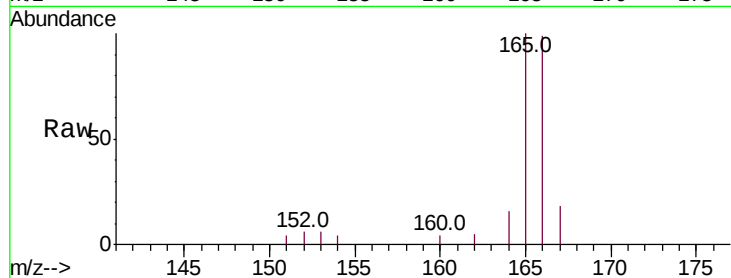
Tot Ion:166 Resp: 3294

Ion Ratio Lower Upper

166 100

165 100.8 78.8 118.2

167 18.4 11.3 16.9#



#11

Pentachlorophenol

Concen: 0.024 ng/ul

RT: 16.52 min Scan# 3543

Delta R.T. 0.00 min

Lab File: BN007036.D

Acq: 08 Aug 2019 21:27

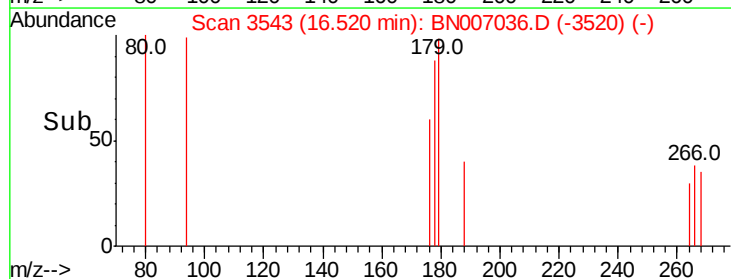
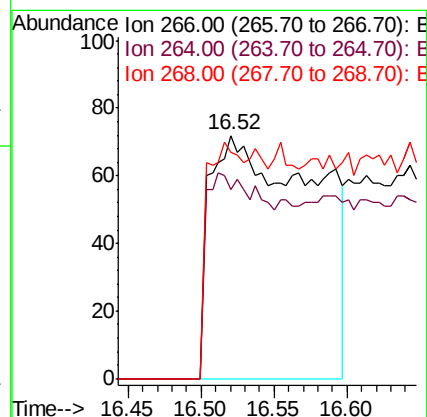
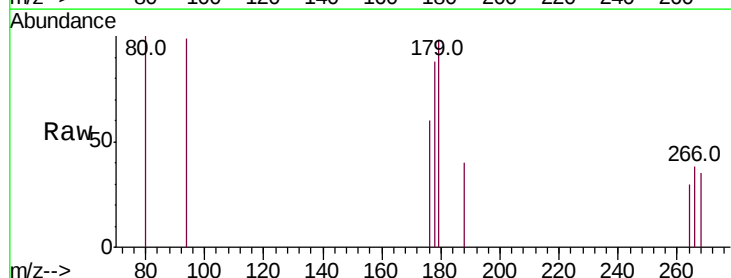
Tgt Ion:266 Resp: 359

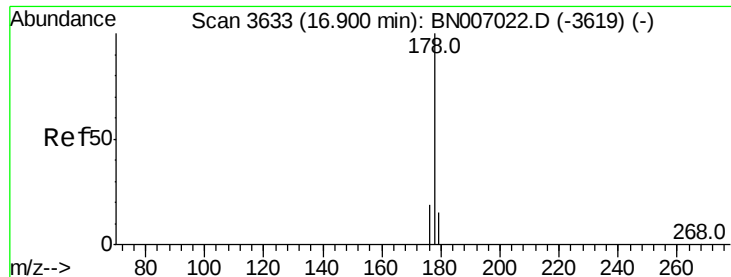
Ion Ratio Lower Upper

266 100

264 88.6 55.7 83.5#

268 101.4 75.2 112.8





#12

Phenanthrene

Concen: 0.358 ng/ul

RT: 16.90 min Scan# 3633

Delta R.T. -0.00 min

Lab File: BN007036.D

Acq: 08 Aug 2019 21:27

Instrument :

BNA_N

ClientSampleId :

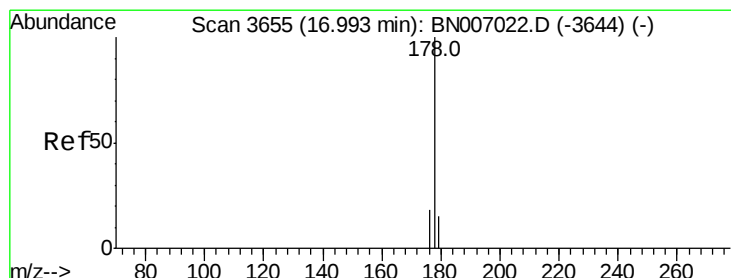
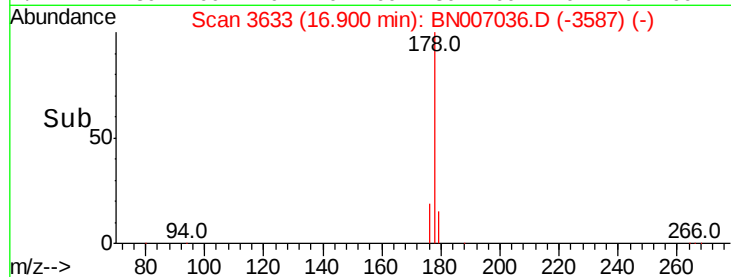
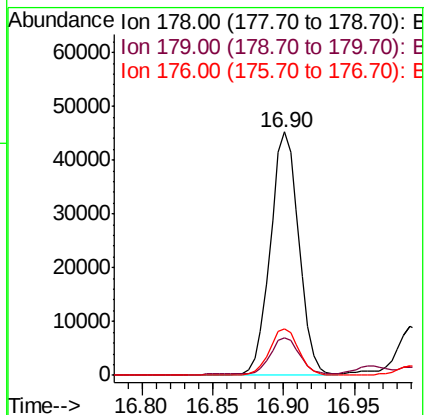
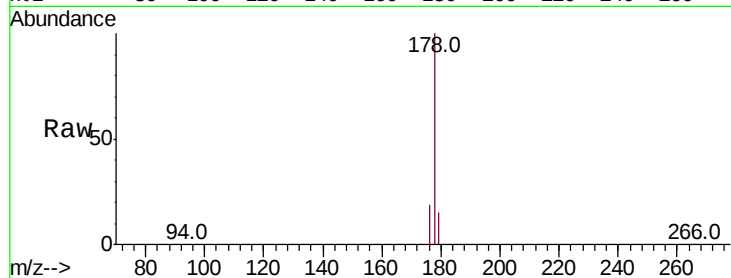
Tot Ion:178 Resp: 63150

Ion Ratio Lower Upper

178 100

179 15.5 12.5 18.7

176 19.3 15.6 23.4



#13

Anthracene

Concen: 0.072 ng/ul

RT: 16.99 min Scan# 3654

Delta R.T. -0.00 min

Lab File: BN007036.D

Acq: 08 Aug 2019 21:27

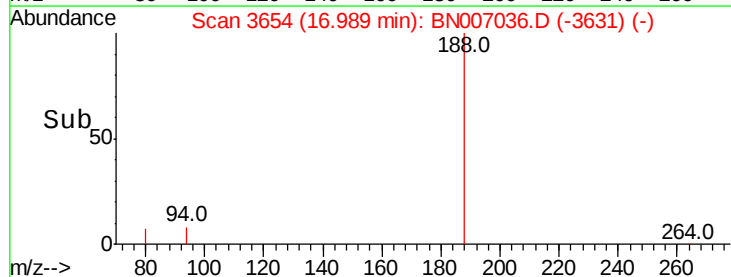
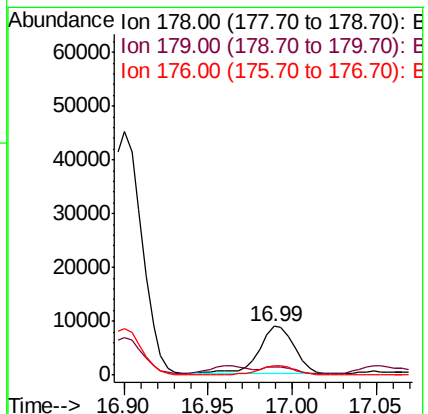
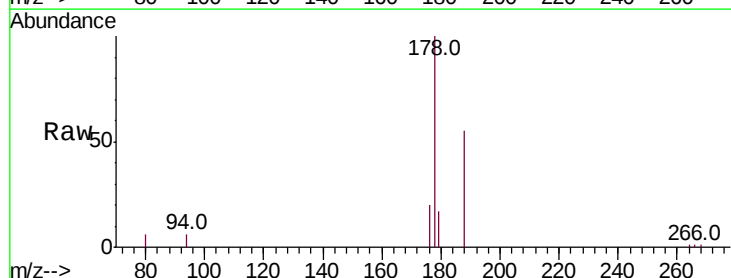
Tgt Ion:178 Resp: 12906

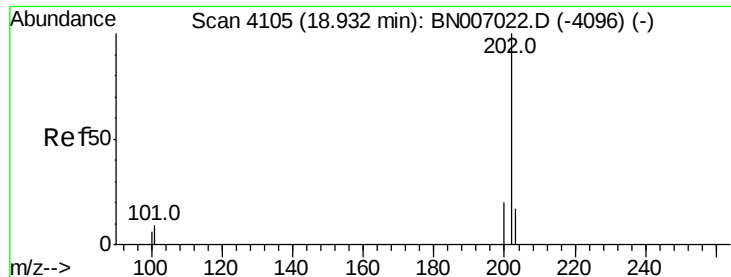
Ion Ratio Lower Upper

178 100

179 17.5 12.6 18.8

176 19.7 15.4 23.0





#15

Fluoranthene

Concen: 0.777 ng/ul

RT: 18.93 min Scan# 4104

Delta R.T. -0.00 min

Lab File: BN007036.D

Acq: 08 Aug 2019 21:27

Instrument :

BNA_N

ClientSampleId :

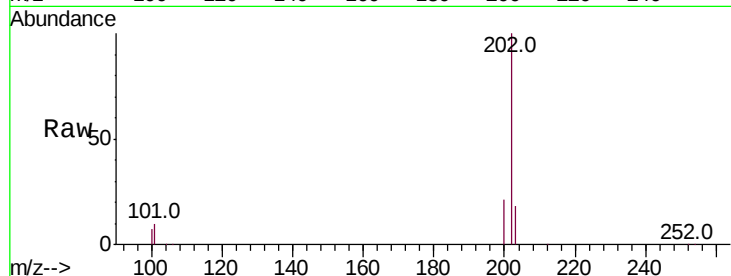
Tot Ion:202 Resp: 170291

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.0

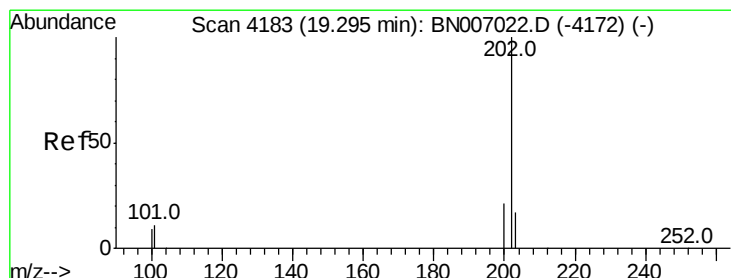
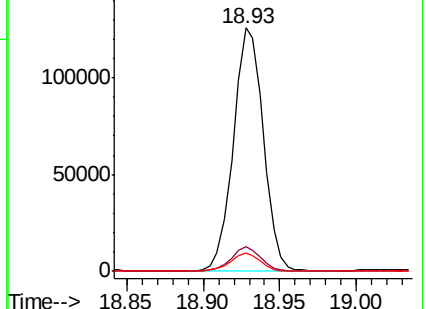
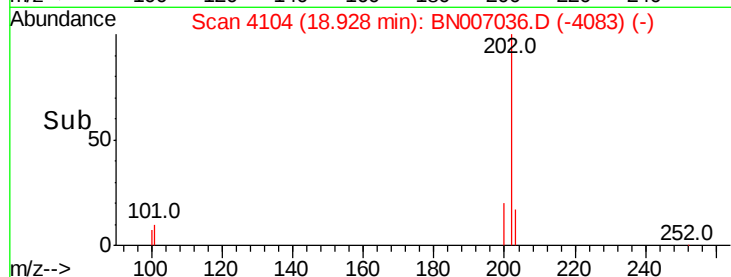
100 7.4 0.0 27.7



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: 0.859 ng/ul

RT: 19.29 min Scan# 4183

Delta R.T. -0.00 min

Lab File: BN007036.D

Acq: 08 Aug 2019 21:27

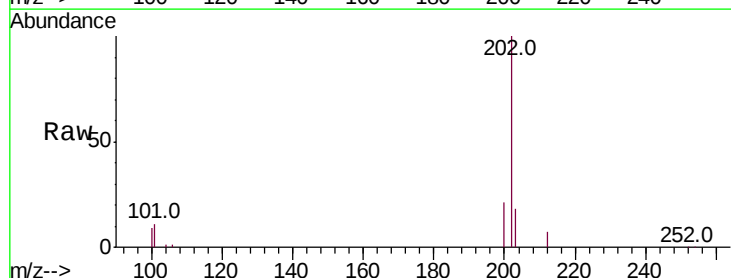
Tgt Ion:202 Resp: 172259

Ion Ratio Lower Upper

202 100

101 11.3 9.3 13.9

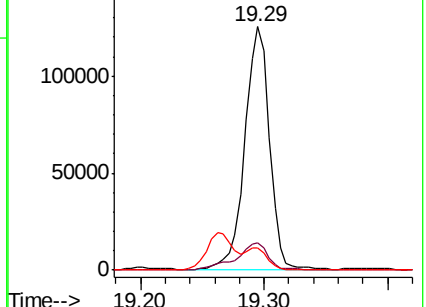
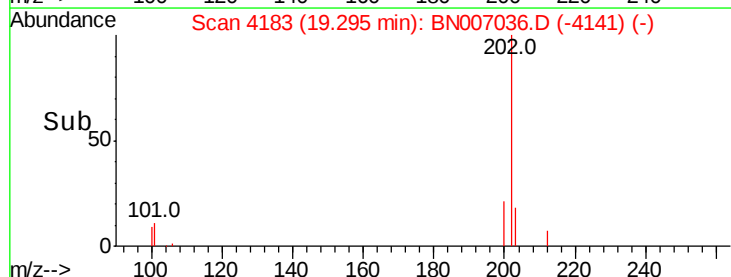
100 8.8 7.3 10.9

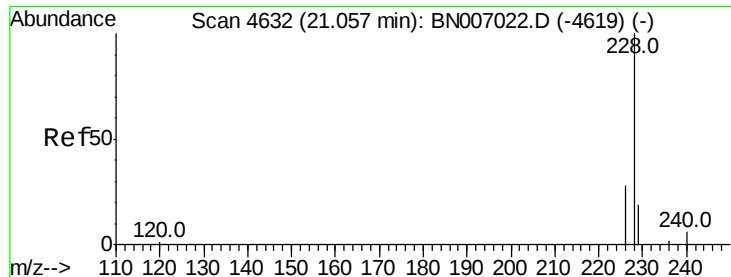


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.446 ng/ul

RT: 21.06 min Scan# 4633

Delta R.T. -0.01 min

Lab File: BN007036.D

Acq: 08 Aug 2019 21:27

Instrument :

BNA_N

ClientSampleId :

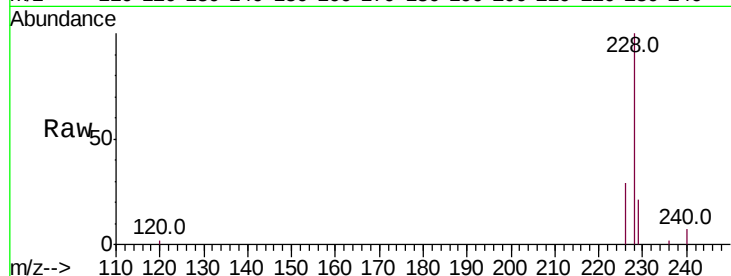
Tot Ion:228 Resp: 88017

Ion Ratio Lower Upper

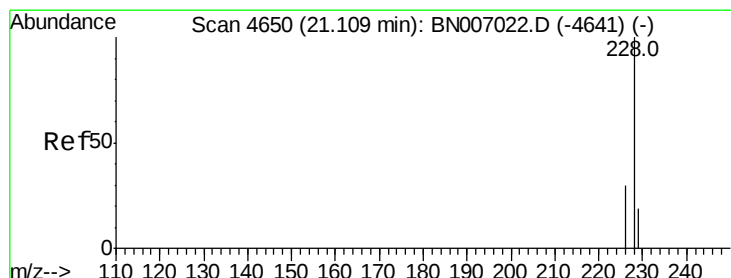
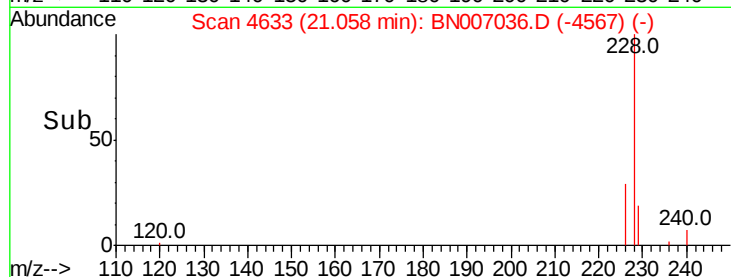
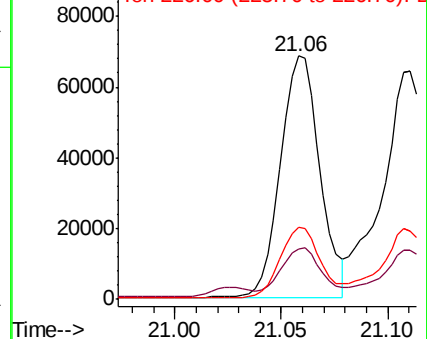
228 100

229 20.8 15.9 23.9

226 29.4 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: 0.520 ng/ul

RT: 21.11 min Scan# 4651

Delta R.T. -0.00 min

Lab File: BN007036.D

Acq: 08 Aug 2019 21:27

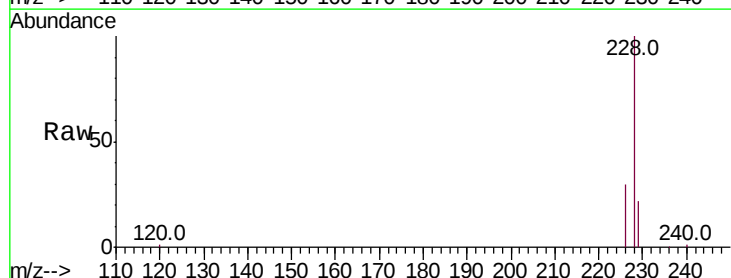
Tgt Ion:228 Resp: 96122

Ion Ratio Lower Upper

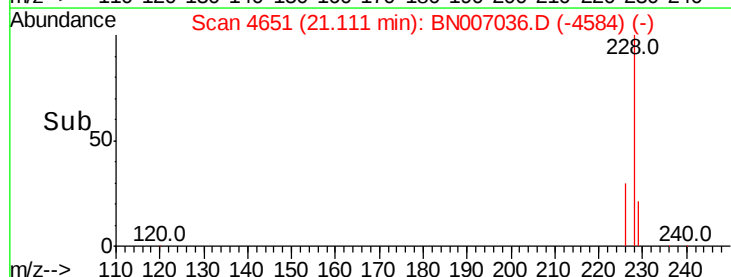
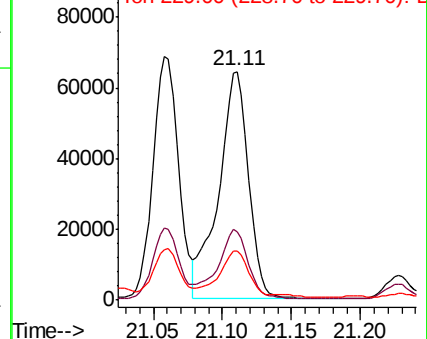
228 100

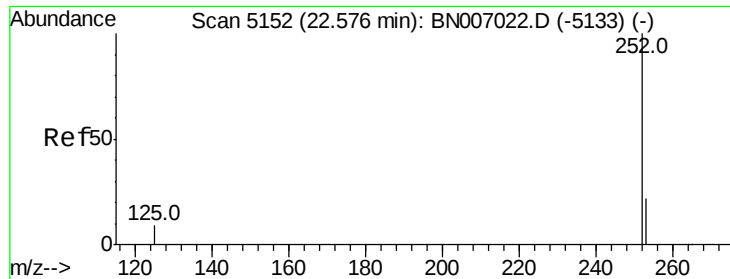
226 30.0 24.7 37.1

229 21.7 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: 0.716 ng/u1

RT: 22.58 min Scan# 5153

Delta R.T. -0.00 min

Lab File: BN007036.D

Acq: 08 Aug 2019 21:27

Instrument :

BNA_N

ClientSampleId :

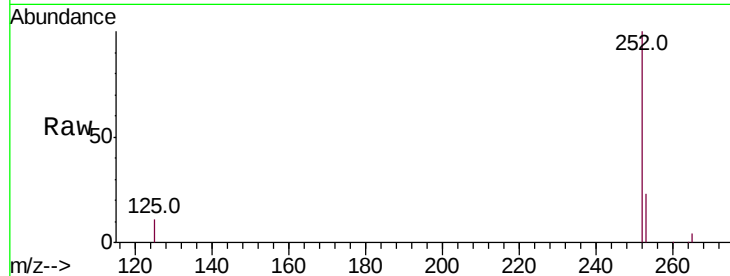
Tot Ion:252 Resp: 121191

Ion Ratio Lower Upper

252 100

253 23.4 0.0 45.2

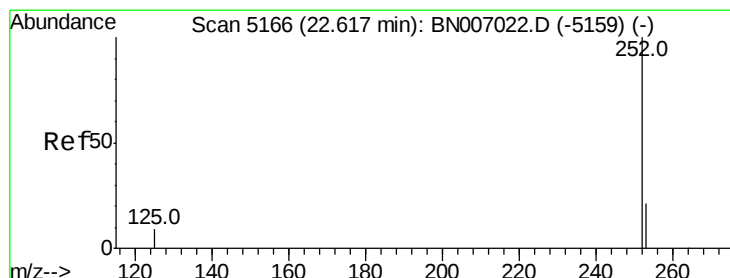
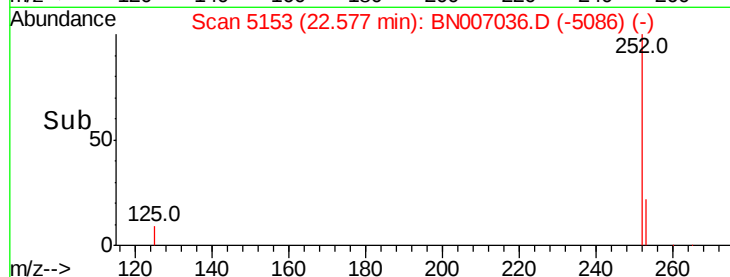
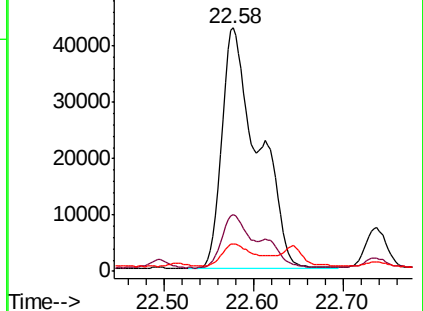
125 11.1 0.0 22.2



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: 0.738 ng/u1

RT: 22.58 min Scan# 5153

Delta R.T. -0.05 min

Lab File: BN007036.D

Acq: 08 Aug 2019 21:27

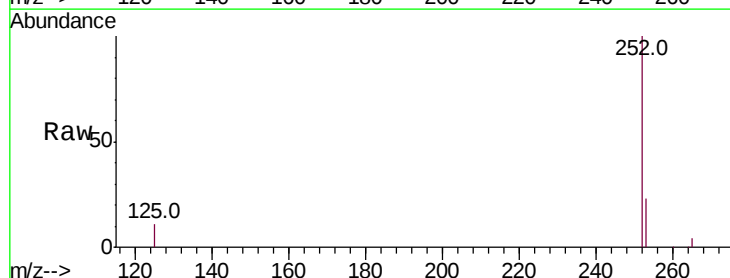
Tgt Ion:252 Resp: 121191

Ion Ratio Lower Upper

252 100

253 23.4 18.6 28.0

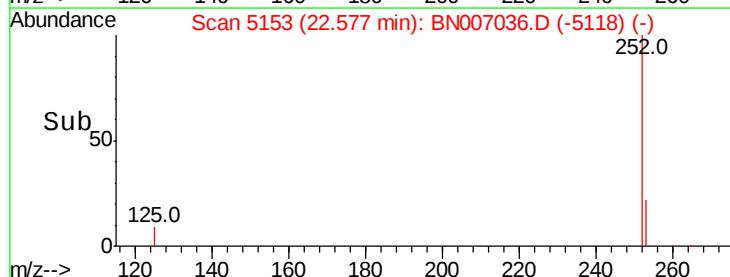
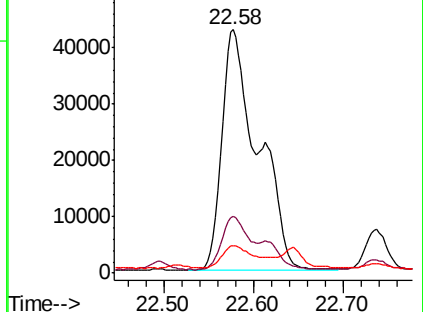
125 11.1 8.7 13.1

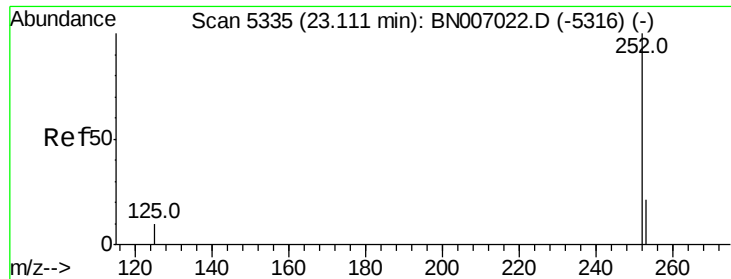


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.387 ng/ul

RT: 23.11 min Scan# 5336

Delta R.T. -0.00 min

Lab File: BN007036.D

Acq: 08 Aug 2019 21:27

Instrument :

BNA_N

ClientSampleId :

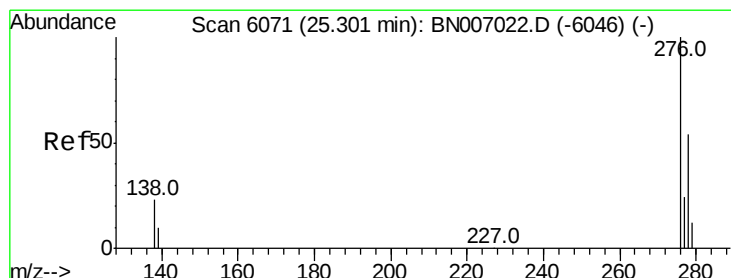
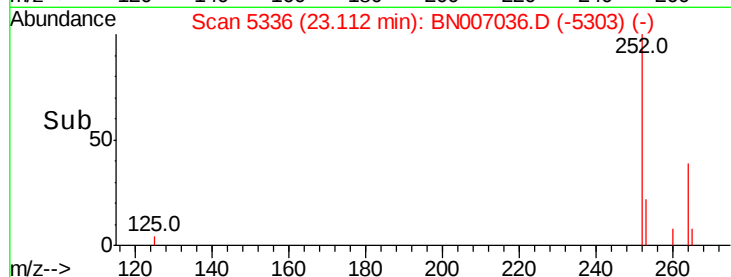
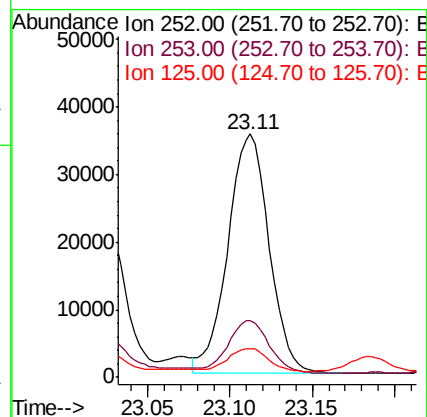
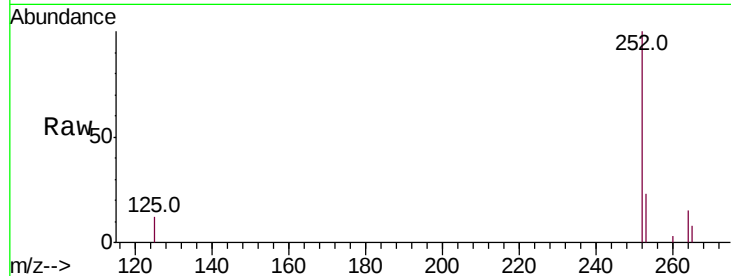
Tot Ion:252 Resp: 61644

Ion Ratio Lower Upper

252 100

253 23.3 18.0 27.0

125 11.8 10.0 15.0



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.193 ng/ul

RT: 25.30 min Scan# 6070

Delta R.T. -0.01 min

Lab File: BN007036.D

Acq: 08 Aug 2019 21:27

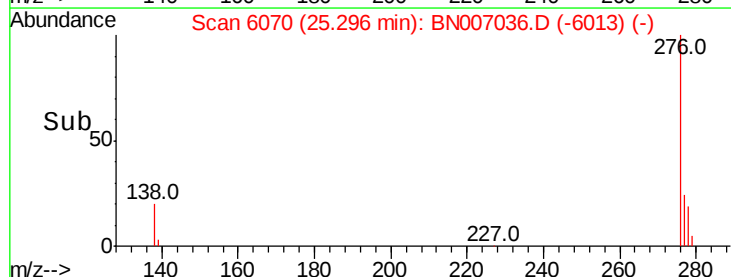
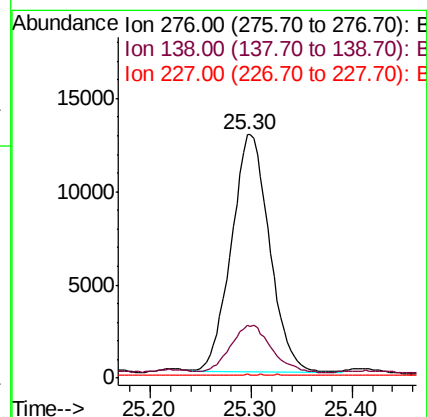
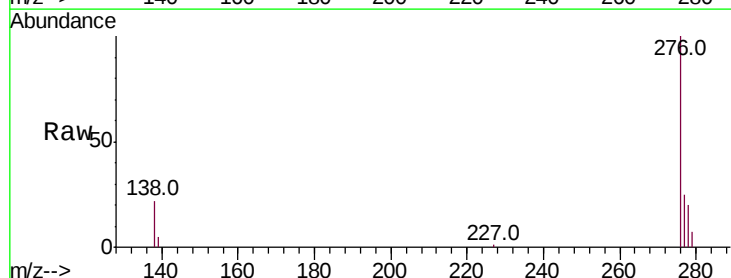
Tgt Ion:276 Resp: 33256

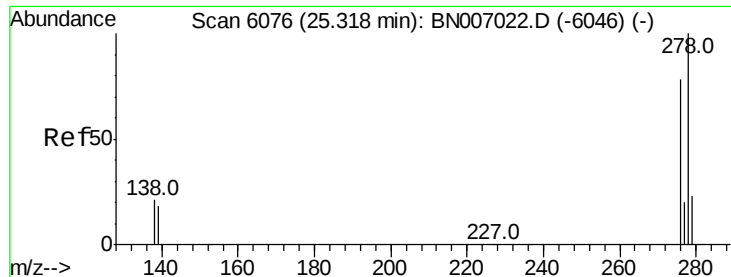
Ion Ratio Lower Upper

276 100

138 21.7 19.9 29.9

227 0.2 0.2 0.4#





#25

Dibenzo(a,h)anthracene

Concen: 0.067 ng/ul

RT: 25.31 min Scan# 6074

Delta R.T. -0.02 min

Lab File: BN007036.D

Acq: 08 Aug 2019 21:27

Instrument :

BNA_N

ClientSampleId :

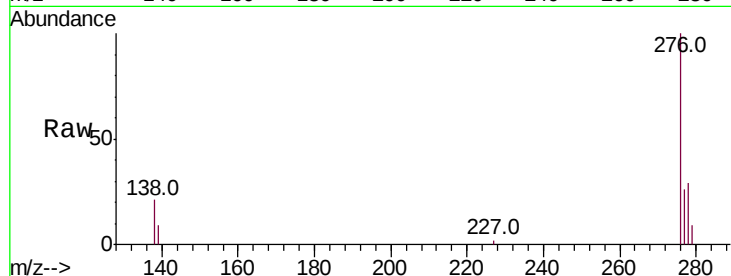
Tot Ion:278 Resp: 9237

Ion Ratio Lower Upper

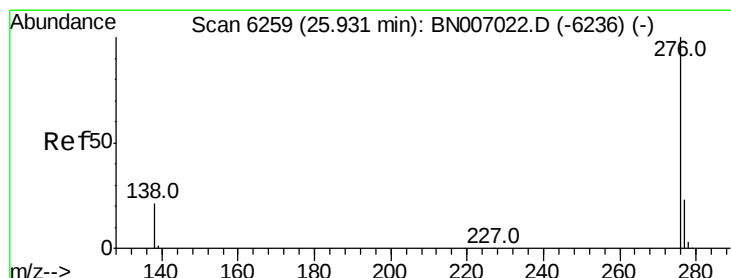
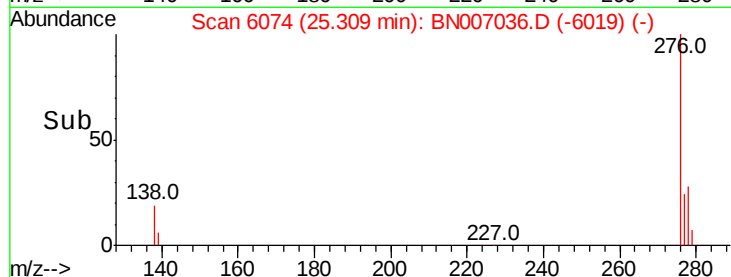
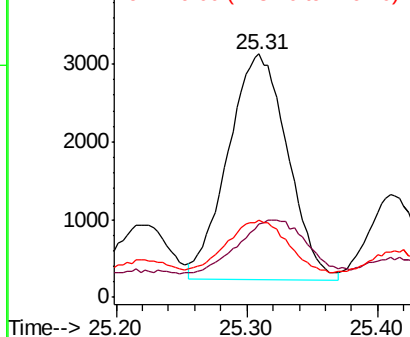
278 100

139 30.0 14.3 21.5#

279 32.0 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: 0.233 ng/ul

RT: 25.93 min Scan# 6260

Delta R.T. -0.00 min

Lab File: BN007036.D

Acq: 08 Aug 2019 21:27

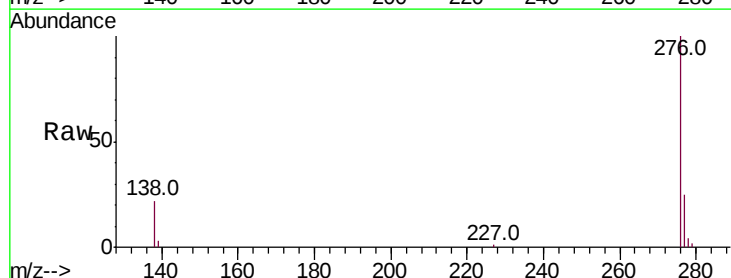
Tgt Ion:276 Resp: 33629

Ion Ratio Lower Upper

276 100

138 21.9 18.7 28.1

277 25.0 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

