

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
 Data File : BN006799.D
 Acq On : 11 Jul 2019 15:52
 Operator : HP/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 12 03:52:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 11 02:31:55 2019
 Response via : Initial Calibration

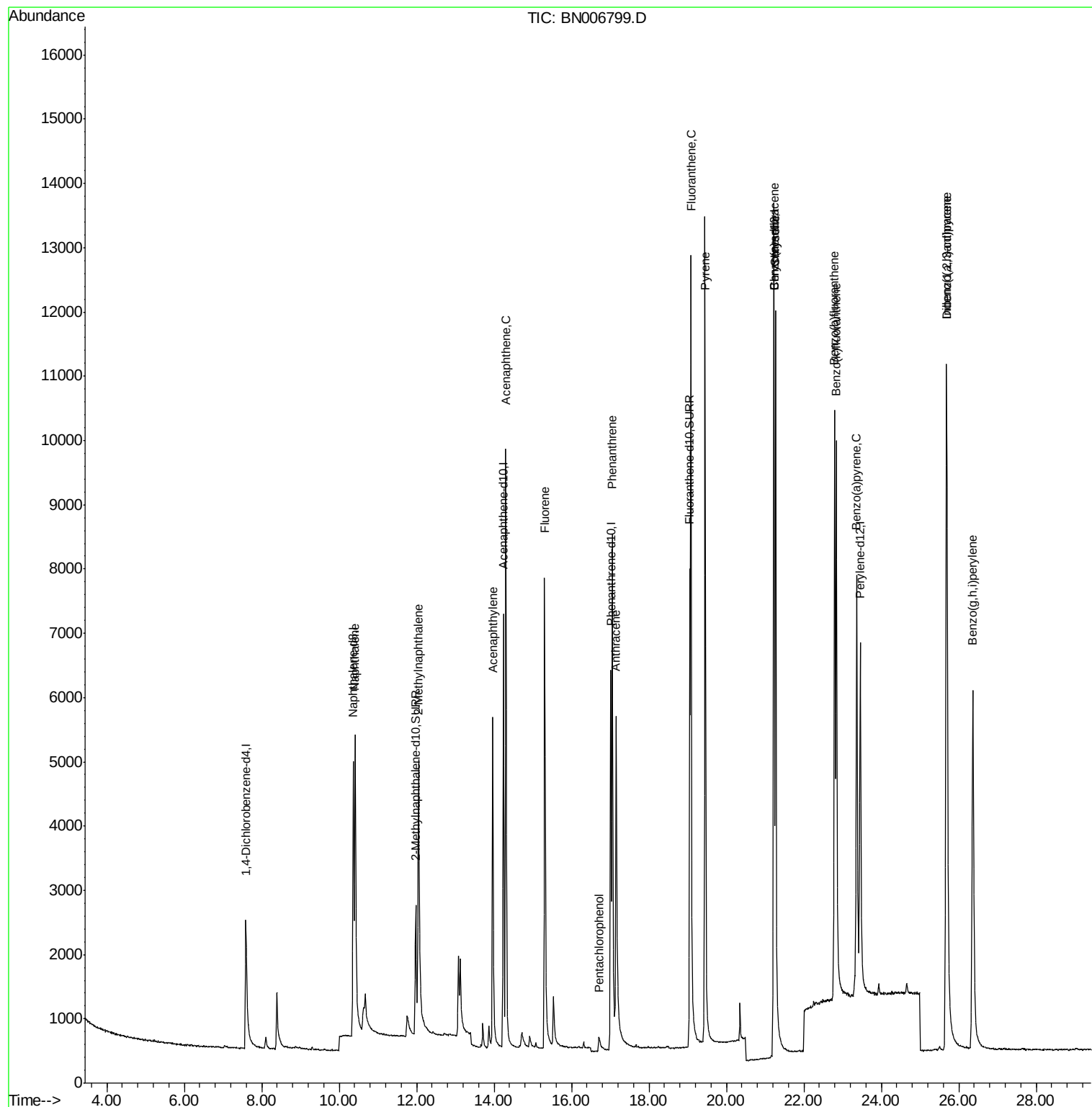
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	2094	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.36	136	7653	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.24	164	4106	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	9104	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	7578	0.40	ng/ul	-0.01
20) Perylene-d12	23.45	264	8454	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	4450	0.38	ng/ul	-0.01
14) Fluoranthene-d10	19.05	212	9944	0.37	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.41	128	8570	0.390	ng/ul	98
5) 2-Methylnaphthalene	12.05	142	5362	0.361	ng/ul	98
7) Acenaphthylene	13.96	152	7626	0.360	ng/ul	98
8) Acenaphthene	14.31	153	6179	0.378	ng/ul	99
9) Fluorene	15.31	166	6509	0.364	ng/ul	99
11) Pentachlorophenol	16.71	266	465	0.343	ng/ul	92
12) Phenanthrene	17.05	178	10620	0.363	ng/ul	99
13) Anthracene	17.15	178	8797	0.348	ng/ul	99
15) Fluoranthene	19.08	202	12761	0.352	ng/ul	100
17) Pyrene	19.45	202	13451	0.388	ng/ul	98
18) Benzo(a)anthracene	21.22	228	10732	0.345	ng/ul	99
19) Chrysene	21.27	228	13910	0.400	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	12189	0.352	ng/ul	97
22) Benzo(k)fluoranthene	22.83	252	13625	0.376	ng/ul	97
23) Benzo(a)pyrene	23.36	252	12256	0.361	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.68	276	14357	0.418	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.68	278	11261	0.412	ng/ul	96
26) Benzo(g,h,i)perylene	26.37	276	12726	0.443	ng/ul	96

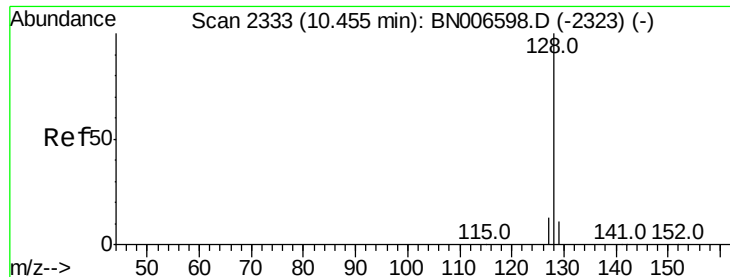
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.390 ng/ul

RT: 10.41 min Scan# 2325

Delta R.T. -0.01 min

Lab File: BN006799.D

Acq: 11 Jul 2019 15:52

Instrument :

BNA_N

ClientSampleId :

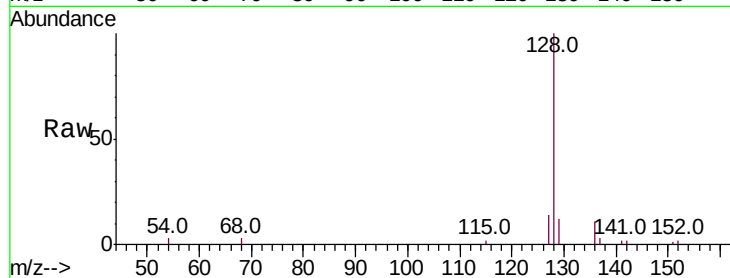
Tot Ion:128 Resp: 8570

Ion Ratio Lower Upper

128 100

129 12.3 9.4 14.0

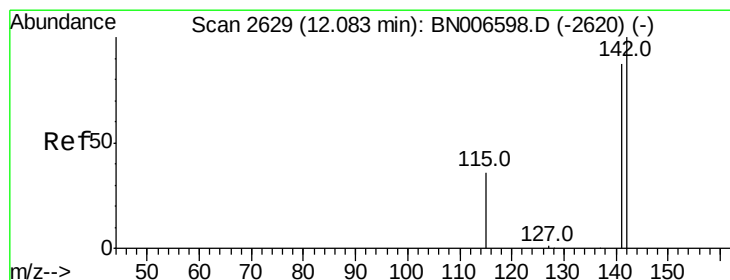
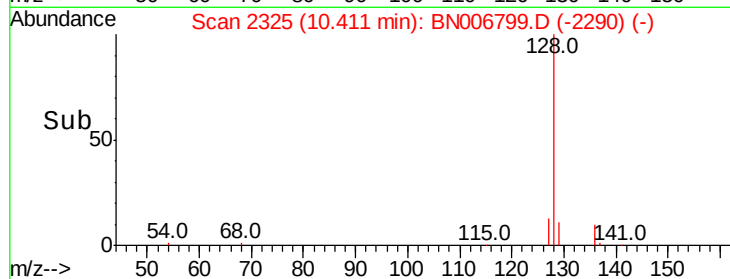
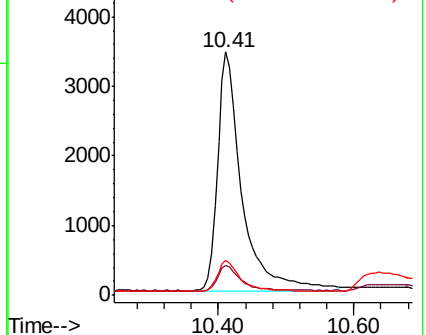
127 14.4 10.6 16.0



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



#5

2-Methylnaphthalene

Concen: 0.361 ng/ul

RT: 12.05 min Scan# 2623

Delta R.T. -0.01 min

Lab File: BN006799.D

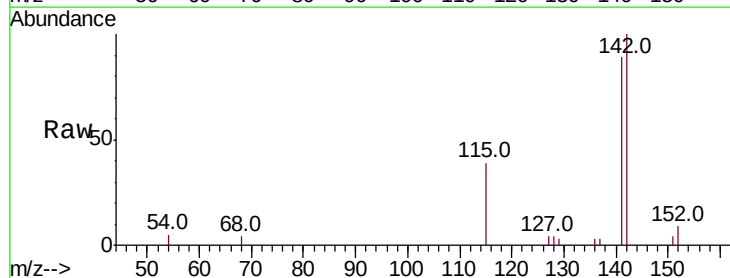
Acq: 11 Jul 2019 15:52

Tgt Ion:142 Resp: 5362

Ion Ratio Lower Upper

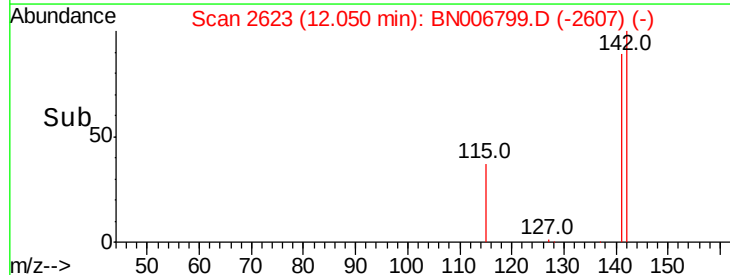
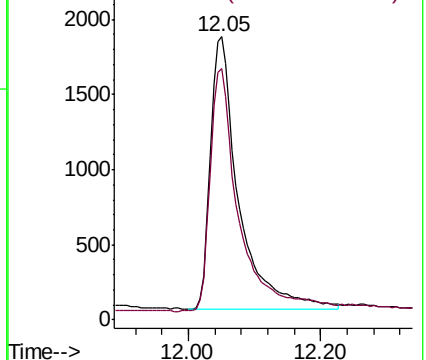
142 100

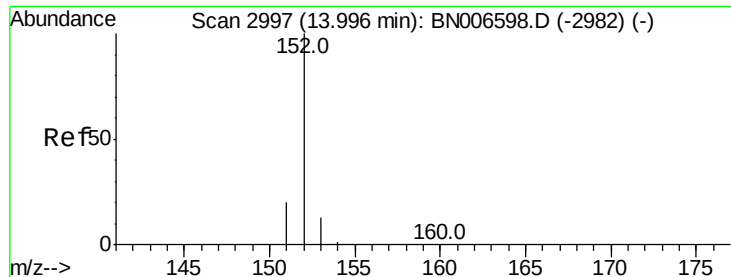
141 91.4 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.360 ng/ul

RT: 13.96 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BN006799.D

Acq: 11 Jul 2019 15:52

Instrument :

BNA_N

ClientSampleId :

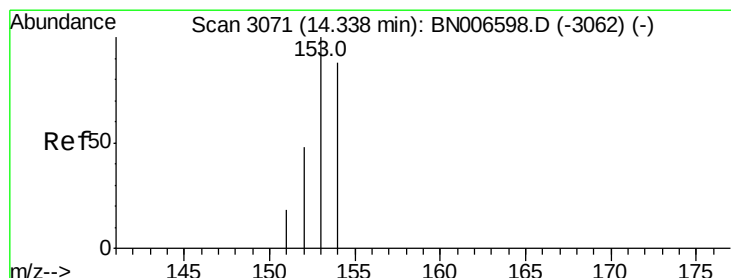
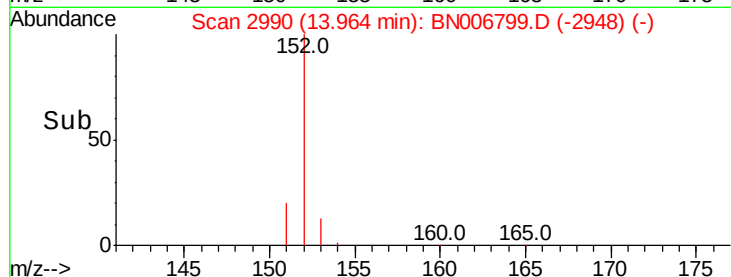
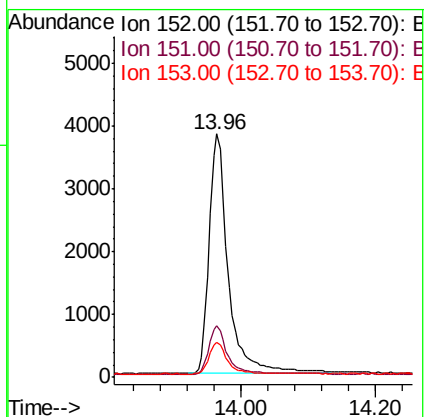
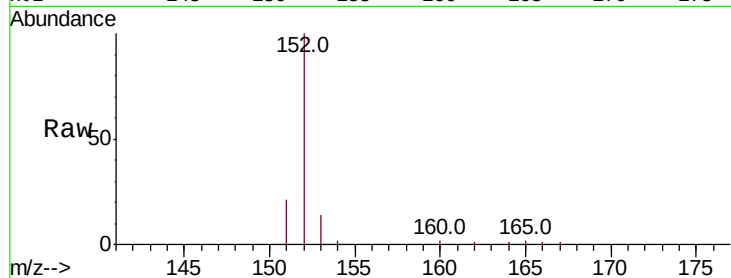
Tot Ion:152 Resp: 7626

Ion Ratio Lower Upper

152 100

151 21.3 16.1 24.1

153 14.3 11.2 16.8



#8

Acenaphthene

Concen: 0.378 ng/ul

RT: 14.31 min Scan# 3064

Delta R.T. 0.00 min

Lab File: BN006799.D

Acq: 11 Jul 2019 15:52

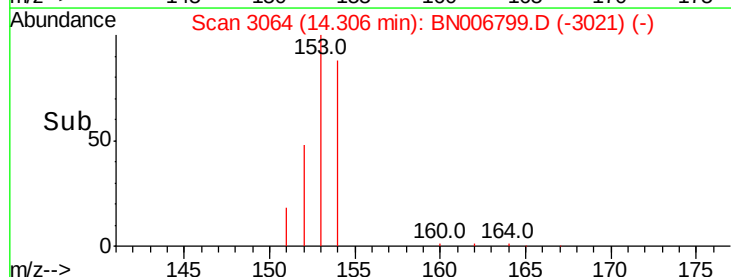
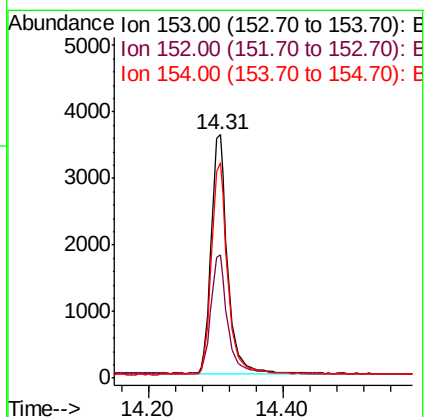
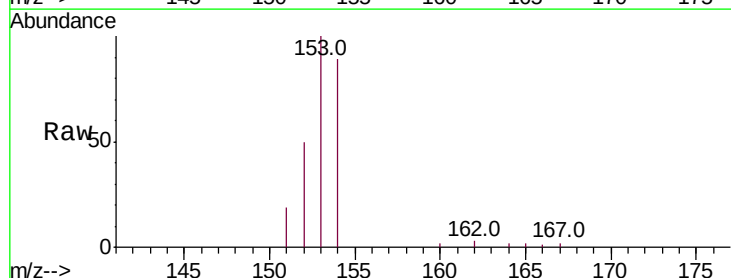
Tgt Ion:153 Resp: 6179

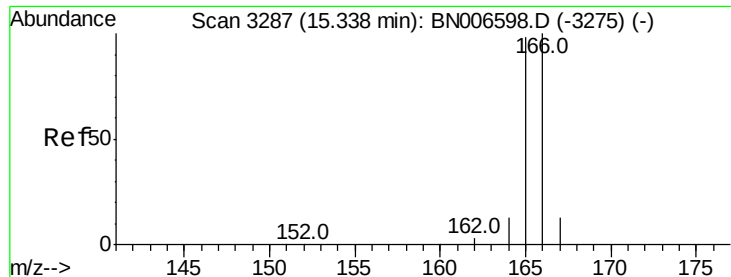
Ion Ratio Lower Upper

153 100

152 50.4 39.3 58.9

154 88.6 70.6 105.8





#9

Fluorene

Concen: 0.364 ng/ul

RT: 15.31 min Scan# 3280

Delta R.T. -0.01 min

Lab File: BN006799.D

Acq: 11 Jul 2019 15:52

Instrument :

BNA_N

ClientSampleId :

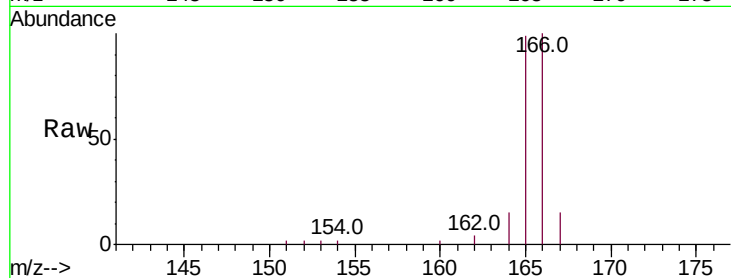
Tot Ion:166 Resp: 6509

Ion Ratio Lower Upper

166 100

165 98.8 78.2 117.4

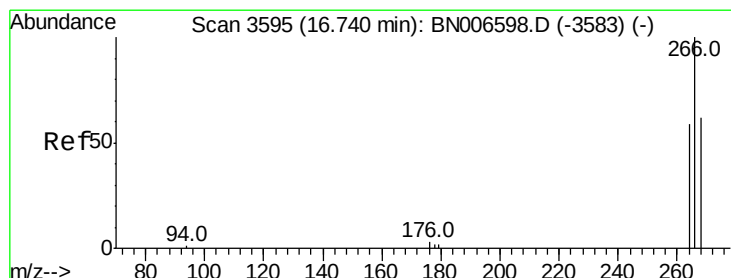
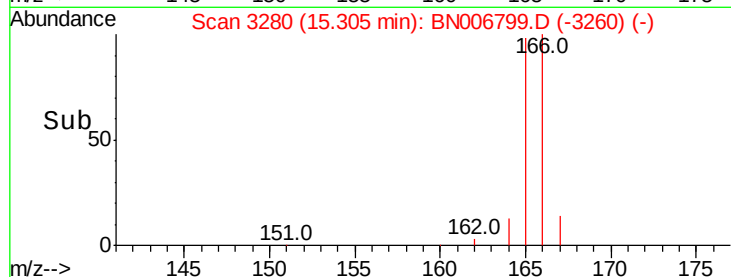
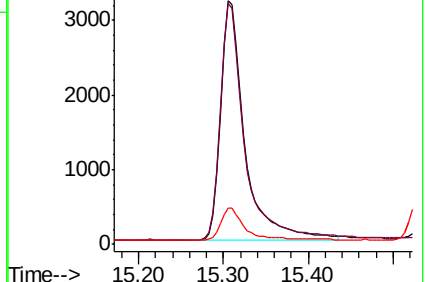
167 15.1 11.3 16.9



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



#11

Pentachlorophenol

Concen: 0.343 ng/ul

RT: 16.71 min Scan# 3588

Delta R.T. 0.00 min

Lab File: BN006799.D

Acq: 11 Jul 2019 15:52

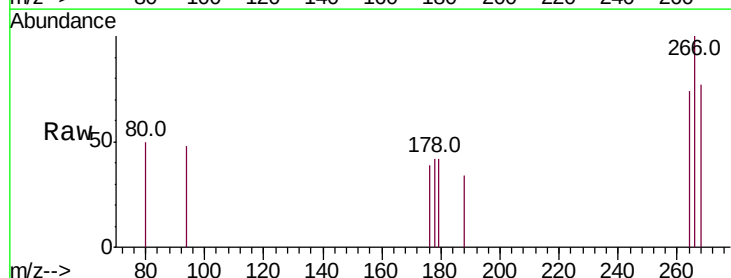
Tgt Ion:266 Resp: 465

Ion Ratio Lower Upper

266 100

264 63.2 45.9 68.9

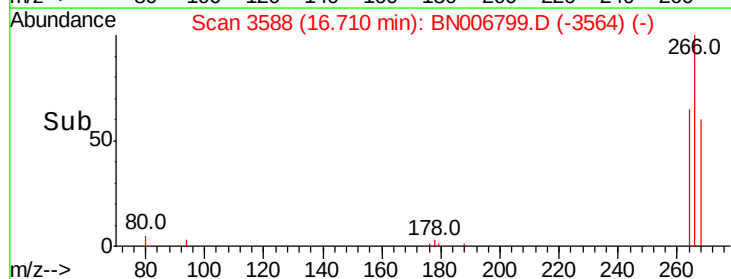
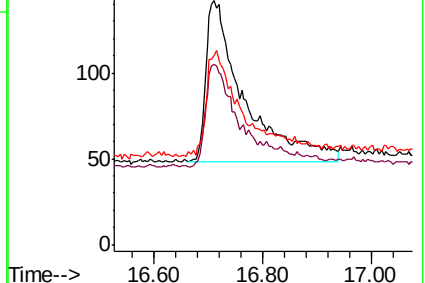
268 66.2 48.1 72.1

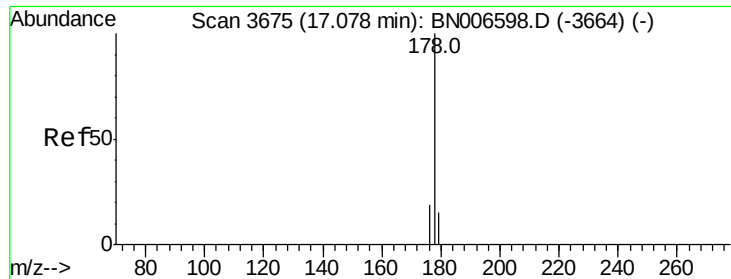


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.363 ng/ul

RT: 17.05 min Scan# 3669

Delta R.T. -0.00 min

Lab File: BN006799.D

Acq: 11 Jul 2019 15:52

Instrument :

BNA_N

ClientSampleId :

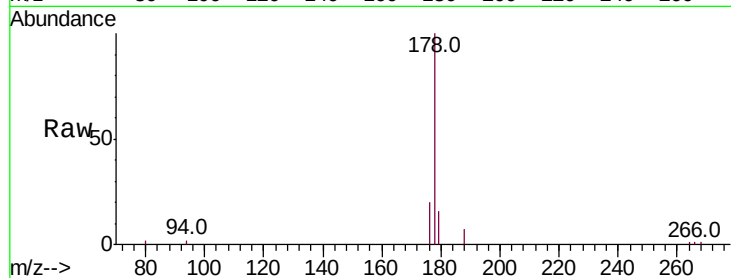
Tot Ion:178 Resp: 10620

Ion Ratio Lower Upper

178 100

179 16.2 12.6 19.0

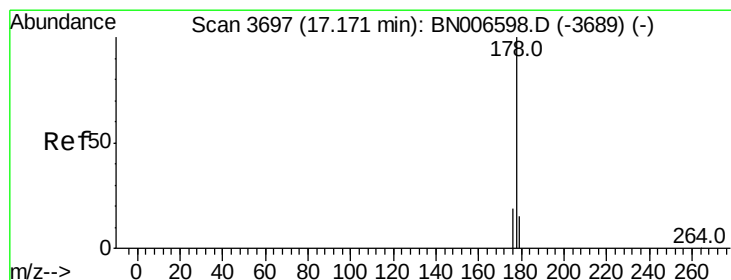
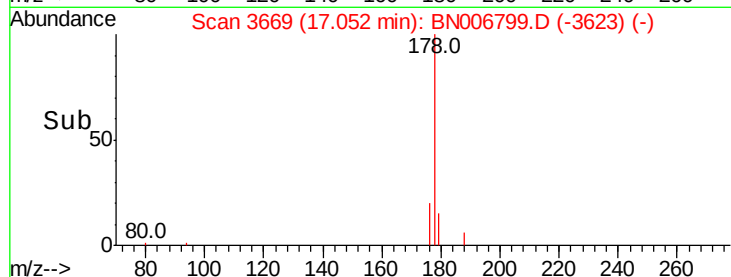
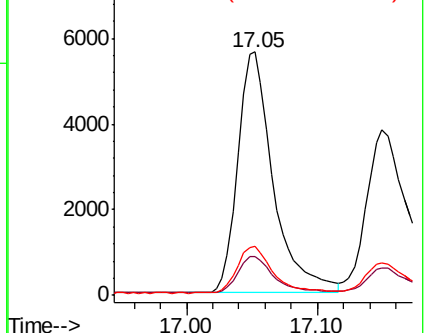
176 20.4 15.8 23.8



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



#13

Anthracene

Concen: 0.348 ng/ul

RT: 17.15 min Scan# 3692

Delta R.T. -0.00 min

Lab File: BN006799.D

Acq: 11 Jul 2019 15:52

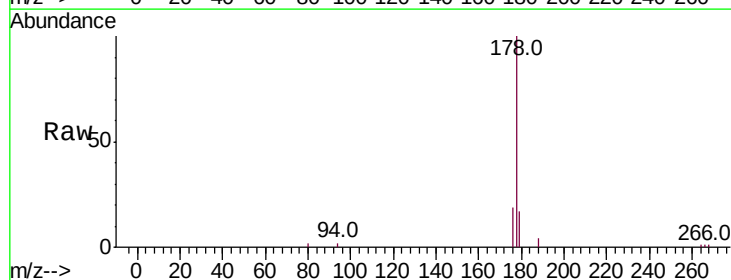
Tgt Ion:178 Resp: 8797

Ion Ratio Lower Upper

178 100

179 16.5 12.7 19.1

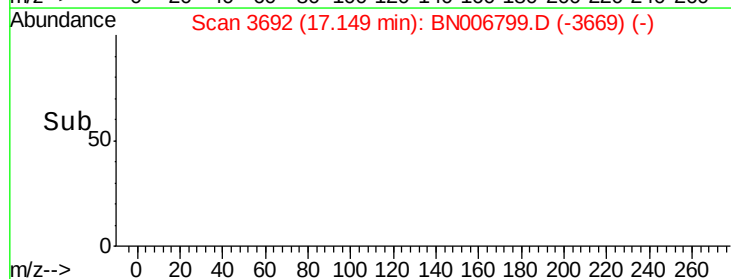
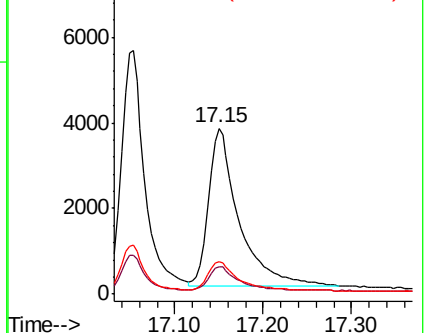
176 19.2 15.8 23.6

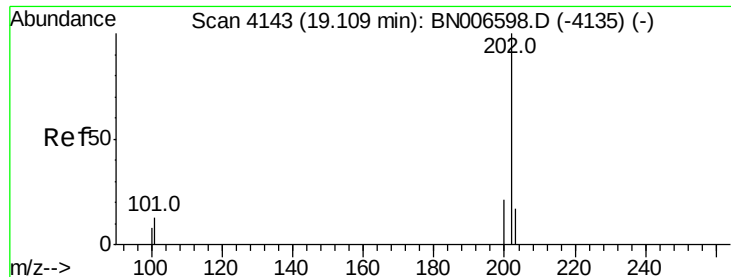


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.352 ng/ul

RT: 19.08 min Scan# 4137

Delta R.T. -0.01 min

Lab File: BN006799.D

Acq: 11 Jul 2019 15:52

Instrument :

BNA_N

ClientSampleId :

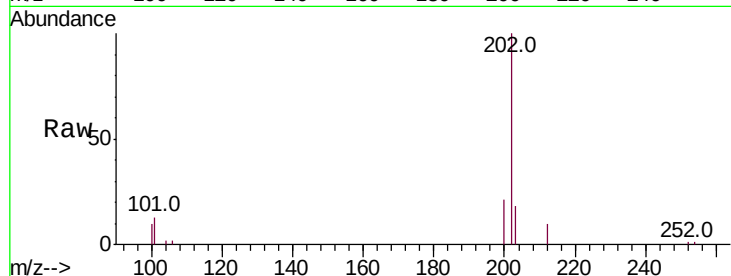
Tot Ion:202 Resp: 12761

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.2

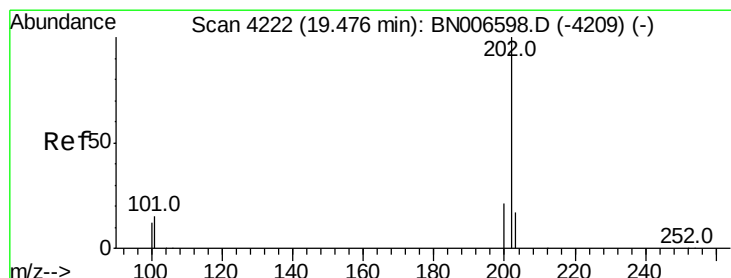
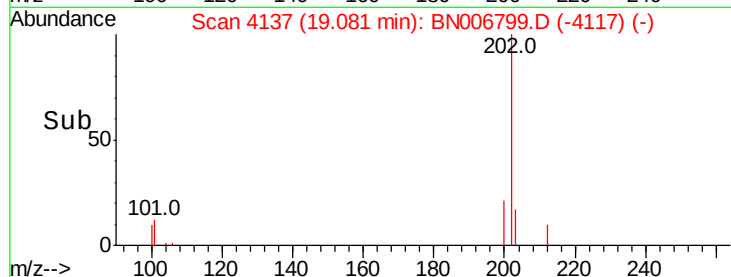
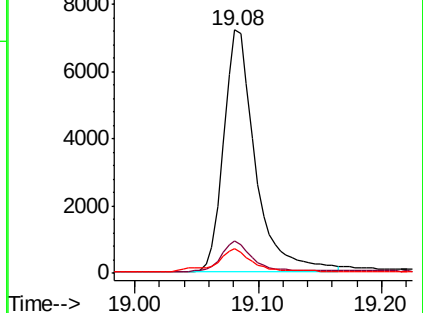
100 10.2 0.0 29.9



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



#17

Pyrene

Concen: 0.388 ng/ul

RT: 19.45 min Scan# 4216

Delta R.T. -0.01 min

Lab File: BN006799.D

Acq: 11 Jul 2019 15:52

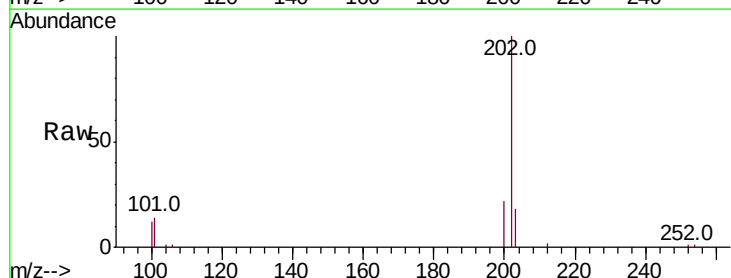
Tgt Ion:202 Resp: 13451

Ion Ratio Lower Upper

202 100

101 14.3 12.2 18.2

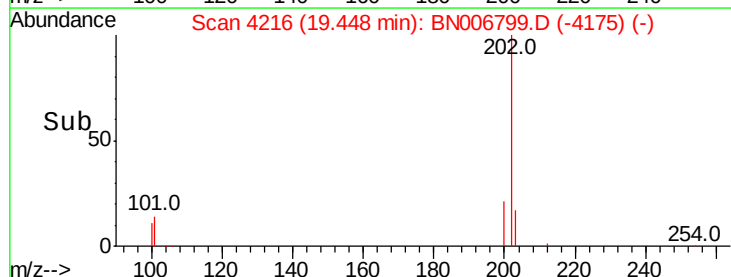
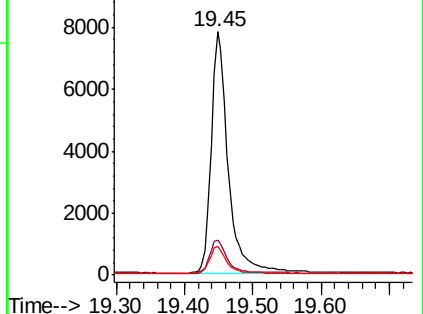
100 11.6 9.8 14.8

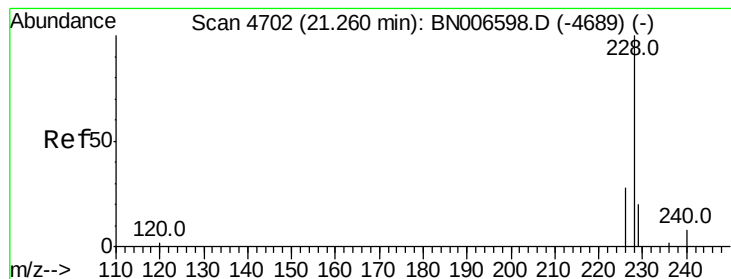


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.345 ng/ul

RT: 21.22 min Scan# 4688

Delta R.T. -0.01 min

Lab File: BN006799.D

Acq: 11 Jul 2019 15:52

Instrument :

BNA_N

ClientSampleId :

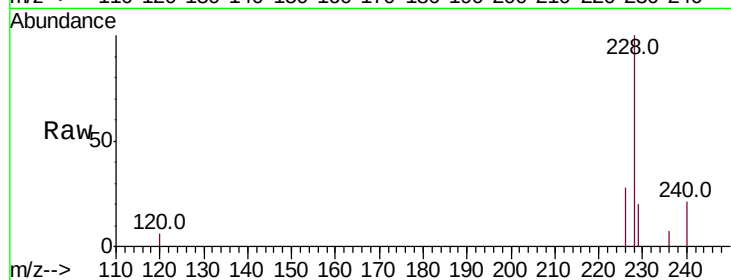
Tot Ion:228 Resp: 10732

Ion Ratio Lower Upper

228 100

229 20.1 15.9 23.9

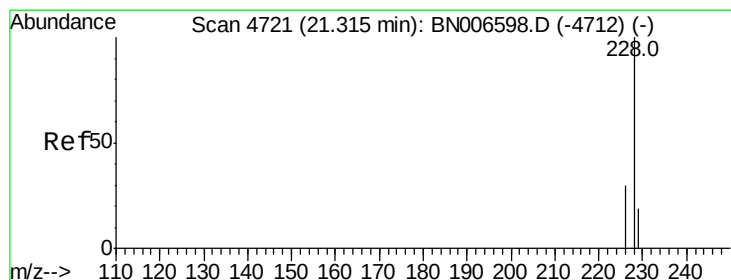
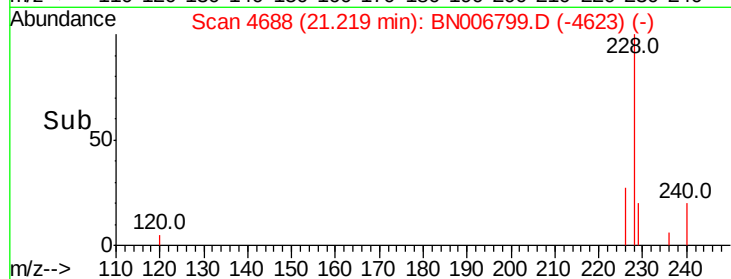
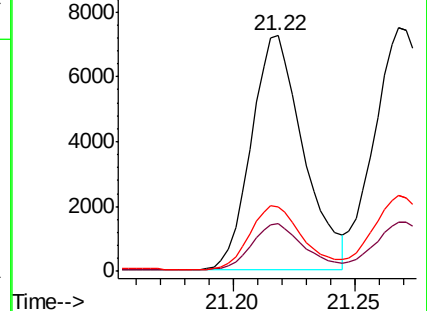
226 27.5 22.6 34.0



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: 0.400 ng/ul

RT: 21.27 min Scan# 4705

Delta R.T. -0.01 min

Lab File: BN006799.D

Acq: 11 Jul 2019 15:52

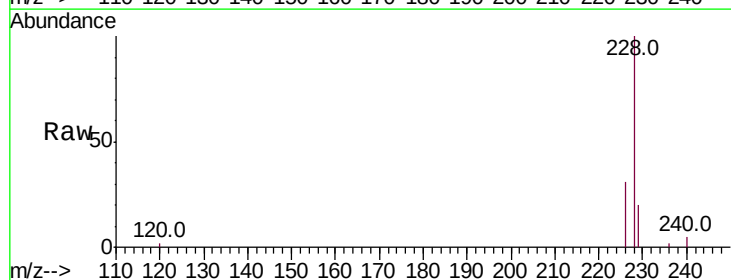
Tgt Ion:228 Resp: 13910

Ion Ratio Lower Upper

228 100

226 31.0 24.2 36.4

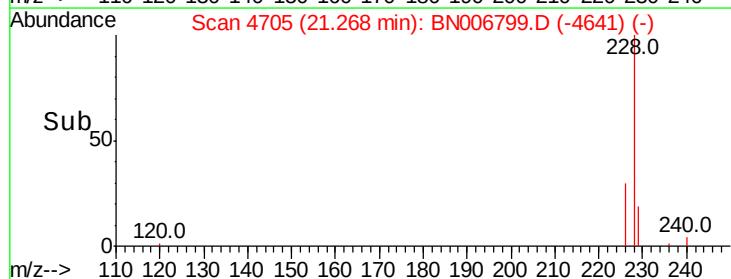
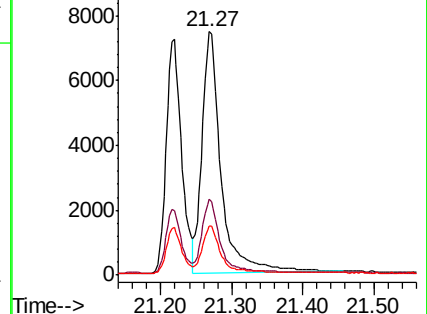
229 20.0 15.5 23.3

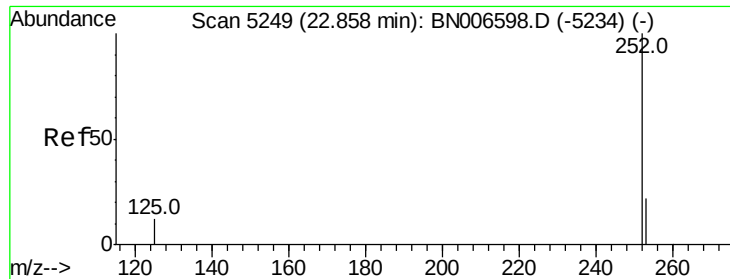


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.352 ng/ul

RT: 22.79 min Scan# 5226

Delta R.T. -0.02 min

Lab File: BN006799.D

Acq: 11 Jul 2019 15:52

Instrument :

BNA_N

ClientSampleId :

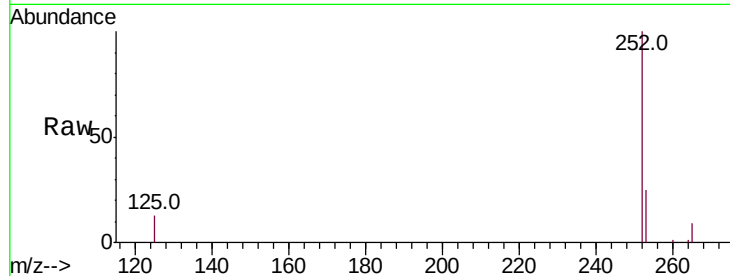
Tot Ion:252 Resp: 12189

Ion Ratio Lower Upper

252 100

253 24.6 0.0 47.8

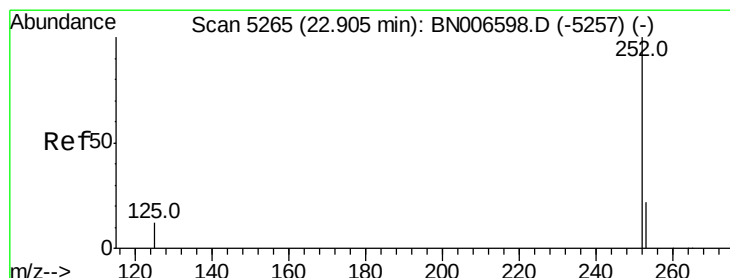
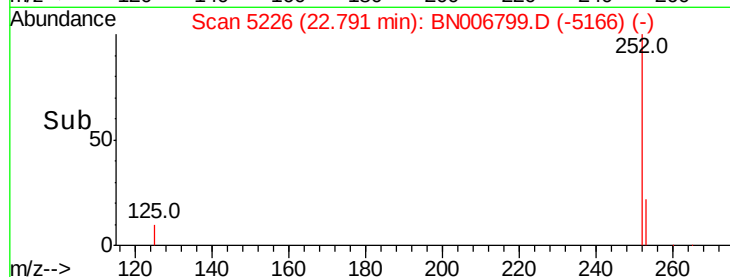
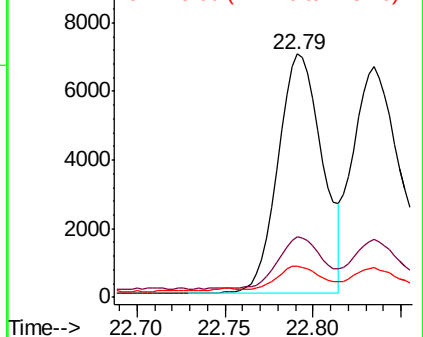
125 12.6 0.0 29.2



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: 0.376 ng/ul

RT: 22.83 min Scan# 5241

Delta R.T. -0.02 min

Lab File: BN006799.D

Acq: 11 Jul 2019 15:52

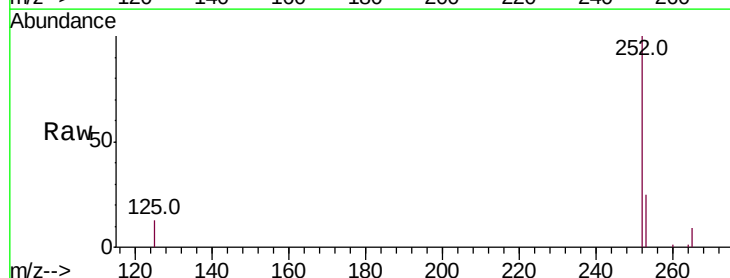
Tgt Ion:252 Resp: 13625

Ion Ratio Lower Upper

252 100

253 25.2 19.2 28.8

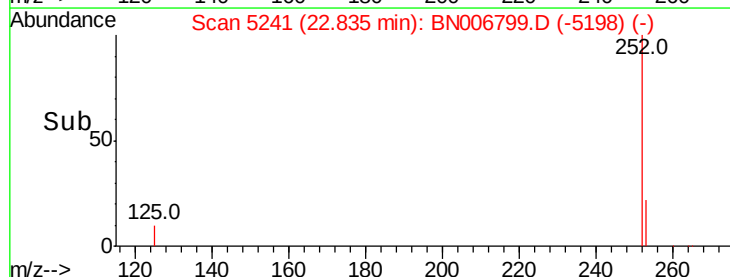
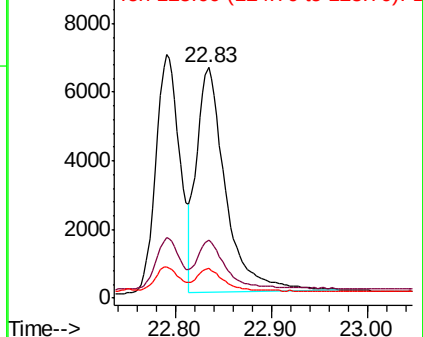
125 12.7 11.0 16.6

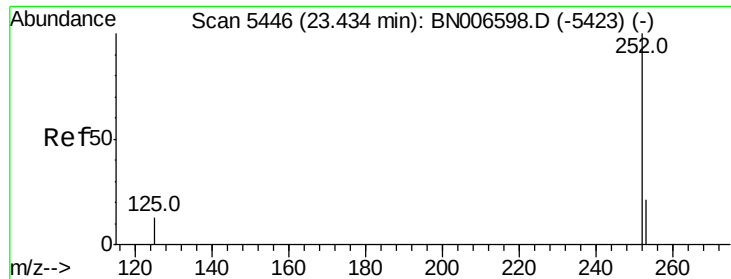


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.361 ng/ul

RT: 23.36 min Scan# 5421

Delta R.T. -0.03 min

Lab File: BN006799.D

Acq: 11 Jul 2019 15:52

Instrument :

BNA_N

ClientSampleId :

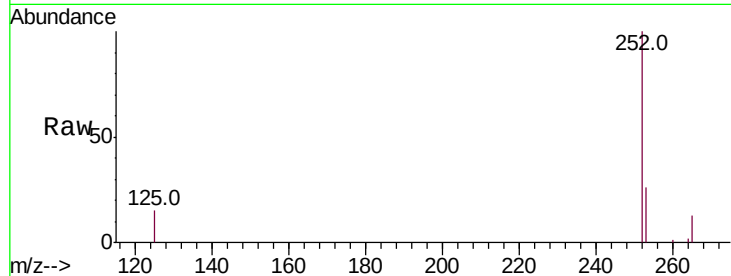
Tot Ion:252 Resp: 12256

Ion Ratio Lower Upper

252 100

253 26.3 19.4 29.2

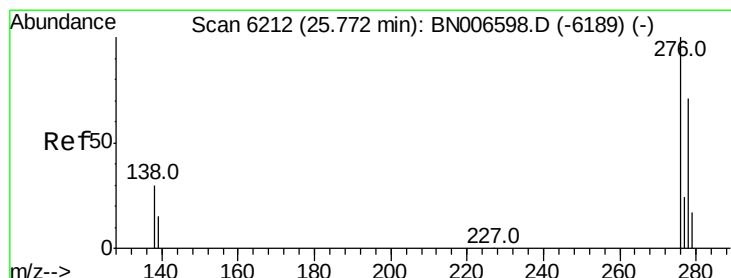
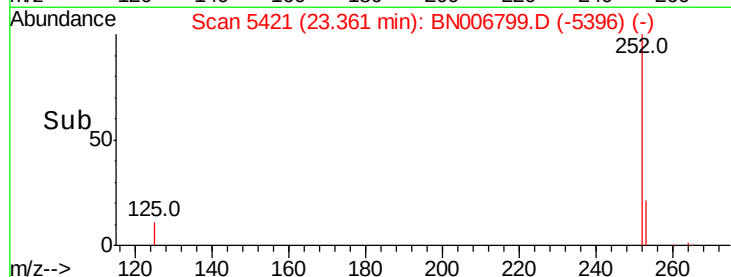
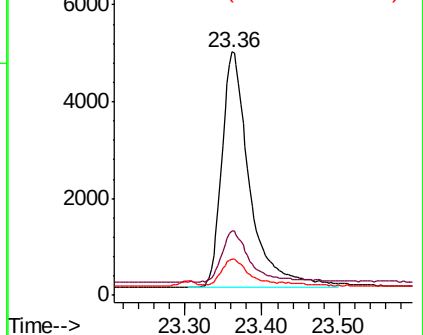
125 15.0 12.6 19.0



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: 0.418 ng/ul

RT: 25.68 min Scan# 6186

Delta R.T. -0.02 min

Lab File: BN006799.D

Acq: 11 Jul 2019 15:52

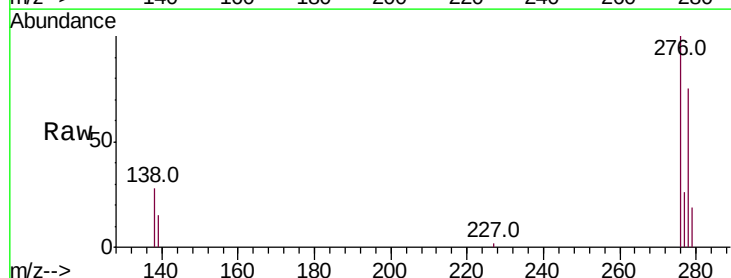
Tgt Ion:276 Resp: 14357

Ion Ratio Lower Upper

276 100

138 26.9 24.3 36.5

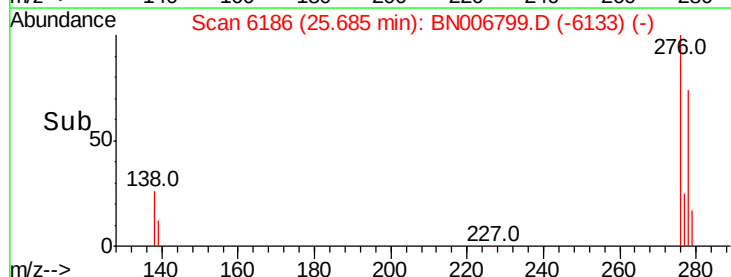
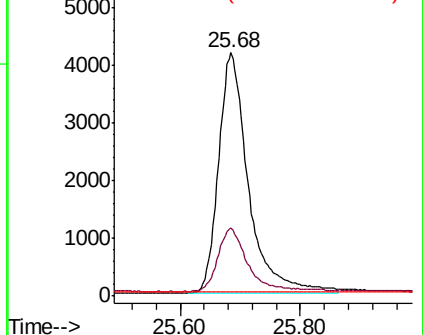
227 0.0 0.2 0.4#

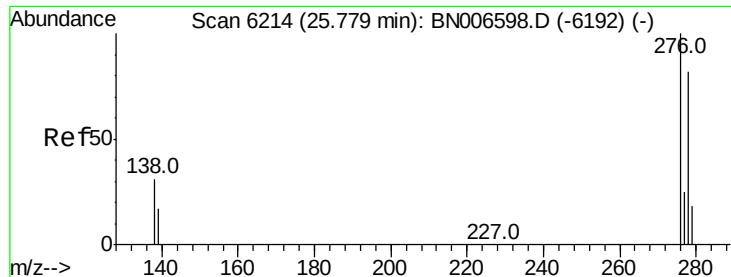


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

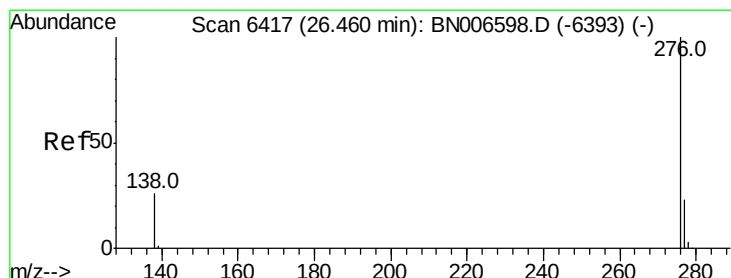
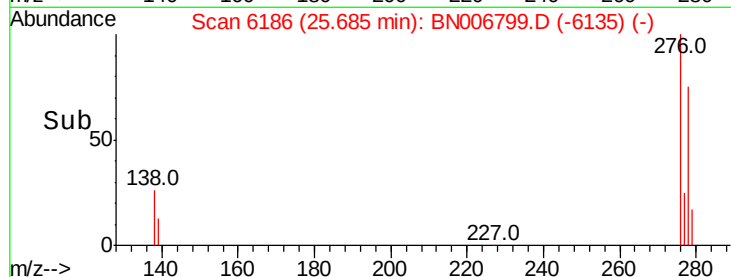
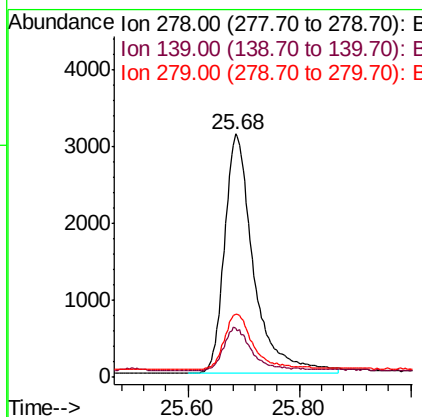
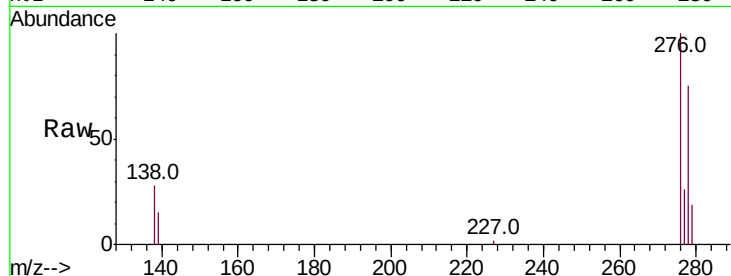




#25
Dibenzo(a,h)anthracene
Concen: 0.412 ng/ul
RT: 25.68 min Scan# 6186
Delta R.T. -0.03 min
Lab File: BN006799.D
Acq: 11 Jul 2019 15:52

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 11261
Ion Ratio Lower Upper
278 100
139 20.2 18.1 27.1
279 25.8 19.8 29.6



#26
Benzo(g,h,i)perylene
Concen: 0.443 ng/ul
RT: 26.37 min Scan# 6389
Delta R.T. -0.02 min
Lab File: BN006799.D
Acq: 11 Jul 2019 15:52

Tgt Ion:276 Resp: 12726
Ion Ratio Lower Upper
276 100
138 24.8 22.2 33.2
277 25.0 19.5 29.3

