

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
 Data File : BN006239.D
 Acq On : 11 Jun 2019 00:38
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jun 11 01:40:00 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 : Sun Jun 09 05:10:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	5251	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	21705	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	10787	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	19542	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	12055	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	13666	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	13170	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	19179	0.37	ng/ul	0.00

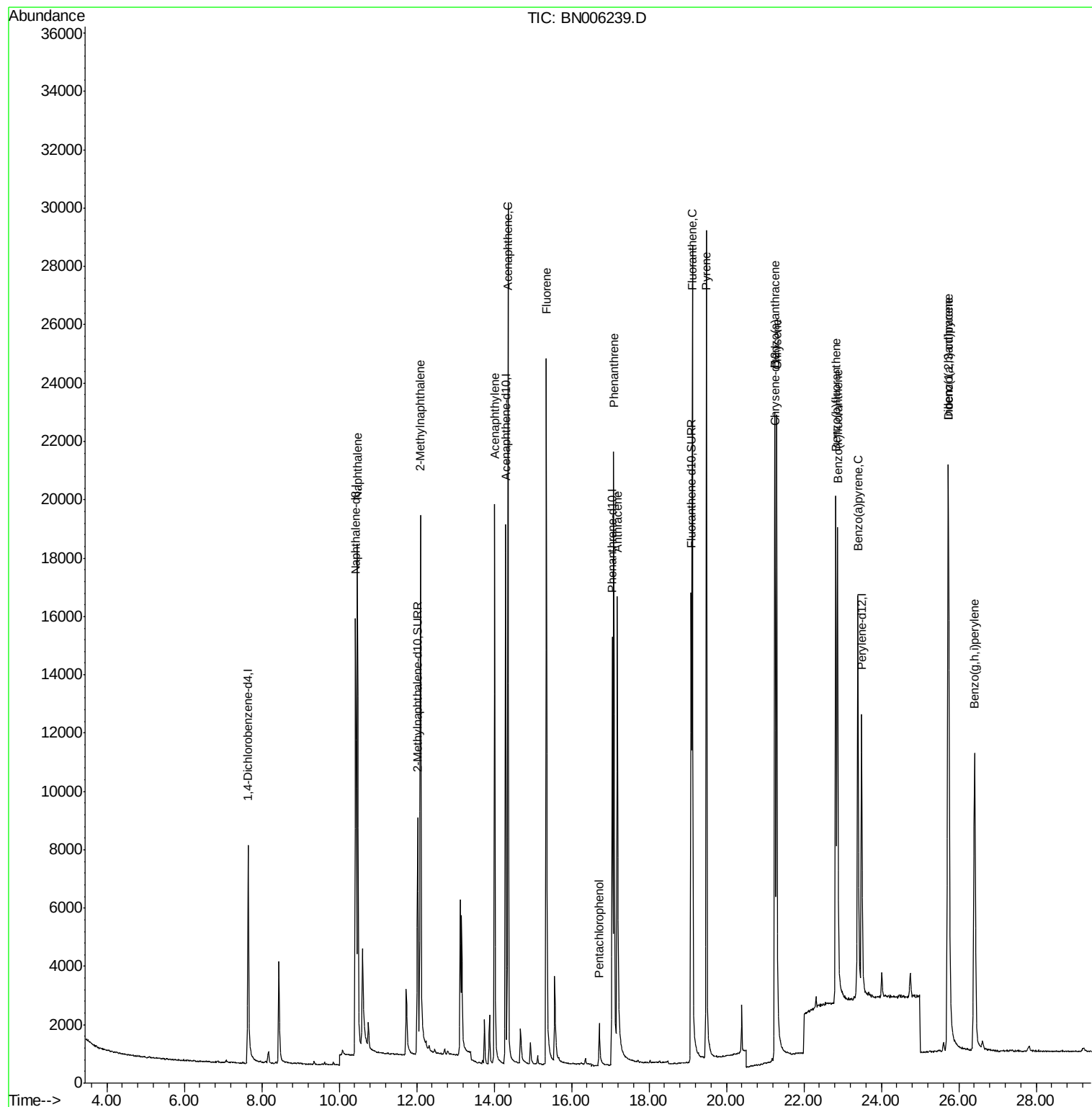
Target Compounds				Ovalue		
3) Naphthalene	10.47	128	24936	0.416	ng/ul	100
5) 2-Methylnaphthalene	12.10	142	16463	0.394	ng/ul	98
7) Acenaphthylene	14.01	152	23724	0.396	ng/ul	100
8) Acenaphthene	14.36	153	17276	0.415	ng/ul	99
9) Fluorene	15.35	166	17845	0.367	ng/ul	97
11) Pentachlorophenol	16.71	266	1535	0.309	ng/ul	99
12) Phenanthrene	17.09	178	24805	0.395	ng/ul	99
13) Anthracene	17.18	178	21746	0.363	ng/ul	99
15) Fluoranthene	19.12	202	25188	0.364	ng/ul	97
17) Pyrene	19.49	202	25915	0.408	ng/ul	99
18) Benzo(a)anthracene	21.25	228	19775	0.371	ng/ul	99
19) Chrysene	21.30	228	23481	0.469	ng/ul	99
21) Benzo(b)fluoranthene	22.82	252	21330	0.374	ng/ul	96
22) Benzo(k)fluoranthene	22.87	252	23115	0.416	ng/ul	97
23) Benzo(a)pyrene	23.39	252	21891	0.412	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.73	276	25662	0.447	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.73	278	20066	0.437	ng/ul	96
26) Benzo(g,h,i)perylene	26.41	276	22055	0.458	ng/ul	97

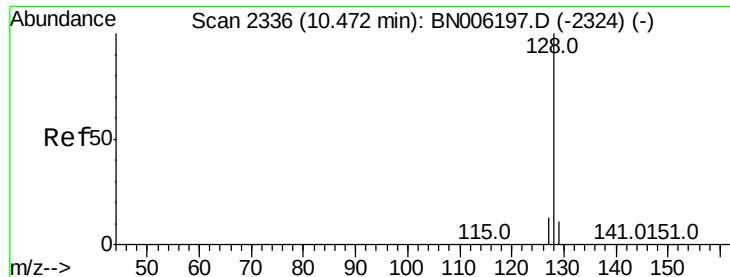
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.416 ng/ul

RT: 10.47 min Scan# 2336

Delta R.T. -0.00 min

Lab File: BN006239.D

Acq: 11 Jun 2019 00:38

Instrument :

BNA_N

ClientSampleId :

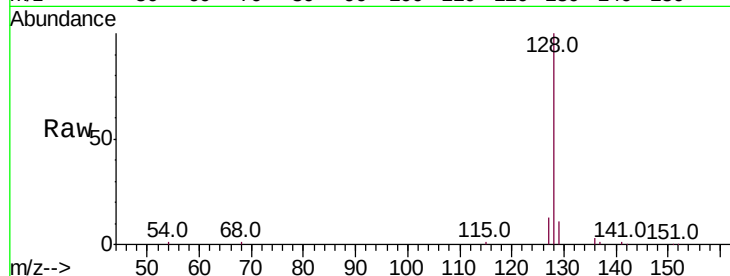
Tot Ion:128 Resp: 24936

Ion Ratio Lower Upper

128 100

129 11.3 9.3 13.9

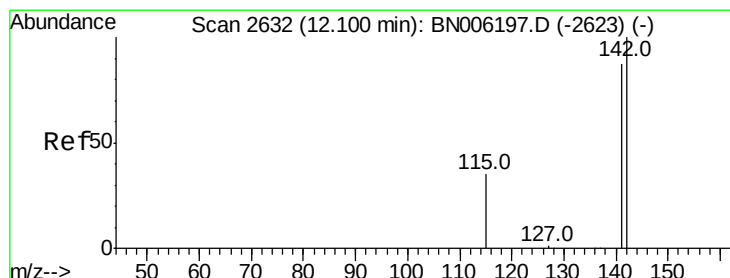
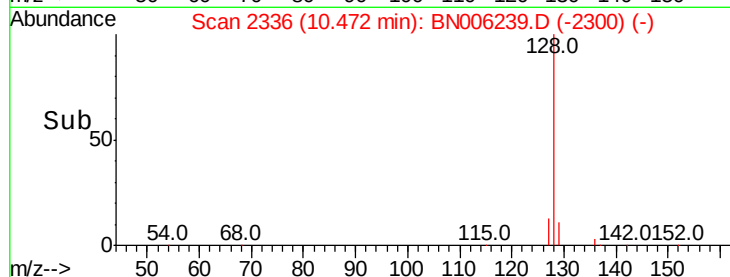
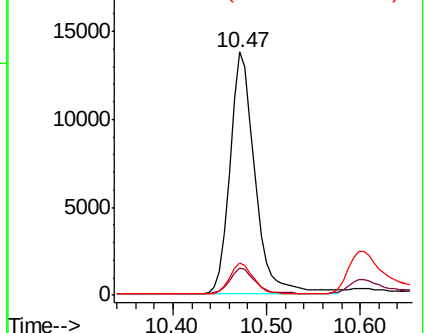
127 13.5 10.7 16.1



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: 0.394 ng/ul

RT: 12.10 min Scan# 2632

Delta R.T. -0.00 min

Lab File: BN006239.D

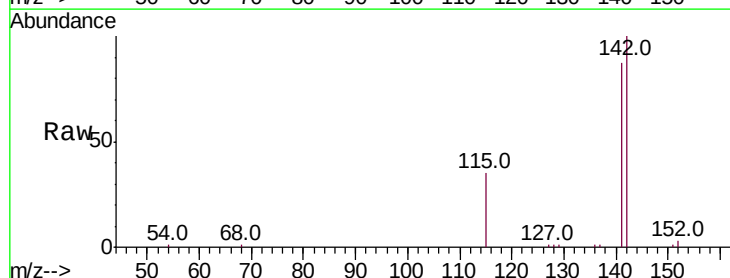
Acq: 11 Jun 2019 00:38

Tgt Ion:142 Resp: 16463

Ion Ratio Lower Upper

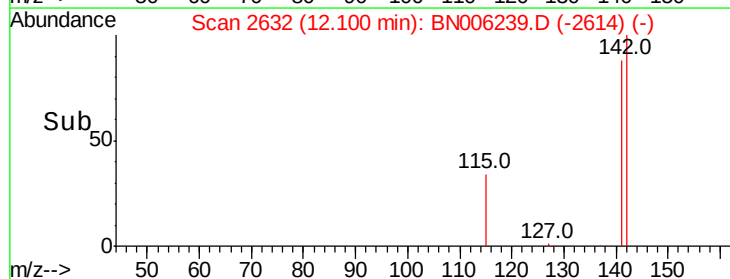
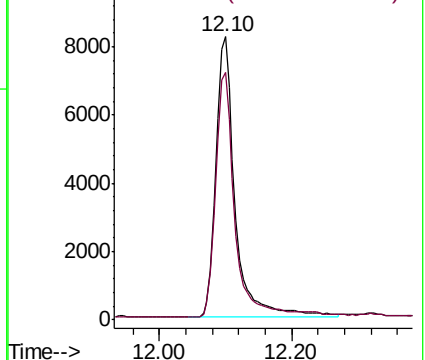
142 100

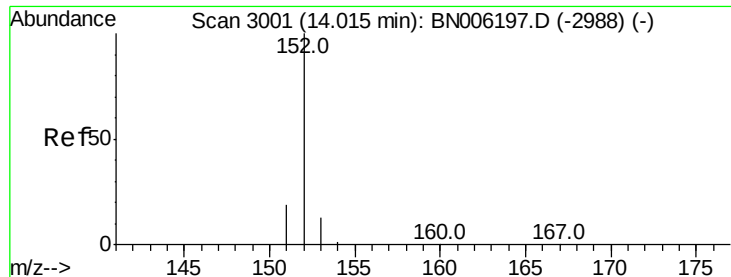
141 89.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.396 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN006239.D

Acq: 11 Jun 2019 00:38

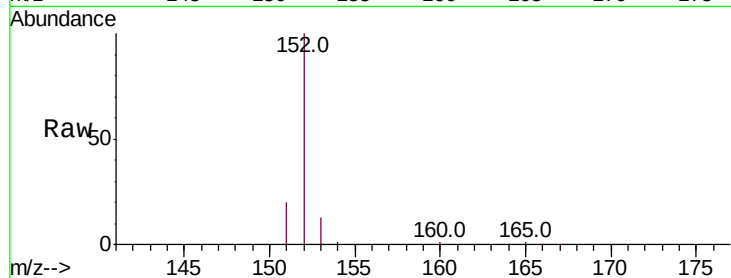
Instrument :

BNA_N

ClientSampleId :

Tot Ion:152 Resp: 23724

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.4	10.8	16.2

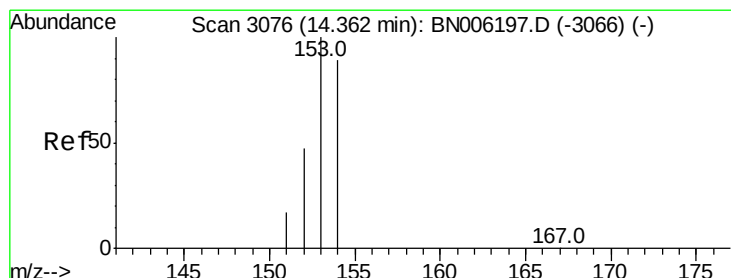
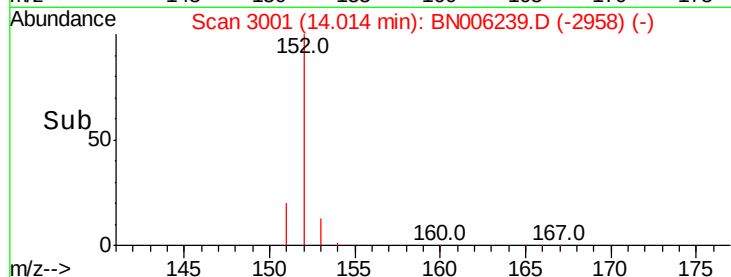
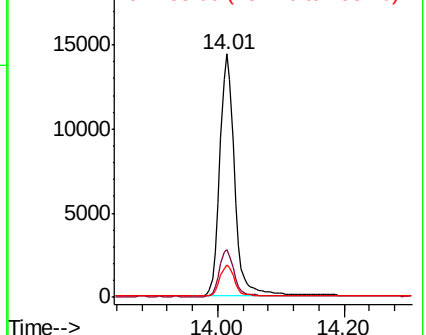


Abundance

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: 0.415 ng/ul

RT: 14.36 min Scan# 3075

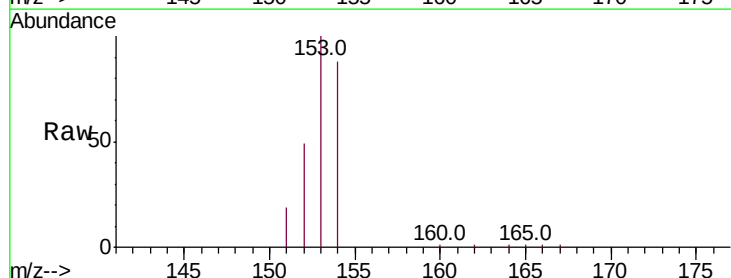
Delta R.T. -0.00 min

Lab File: BN006239.D

Acq: 11 Jun 2019 00:38

Tgt Ion:153 Resp: 17276

Ion	Ratio	Lower	Upper
153	100		
152	49.4	39.1	58.7
154	87.8	71.1	106.7

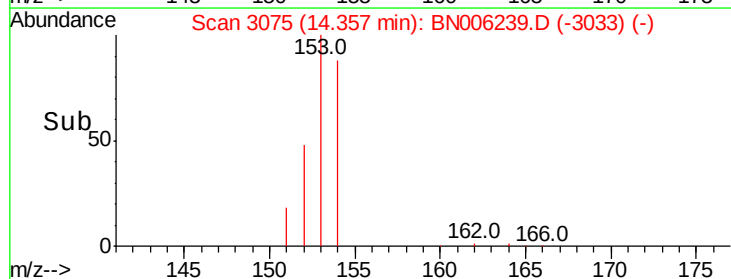
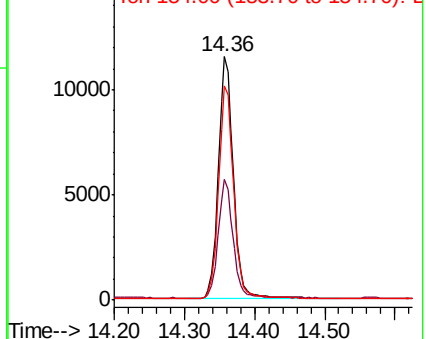


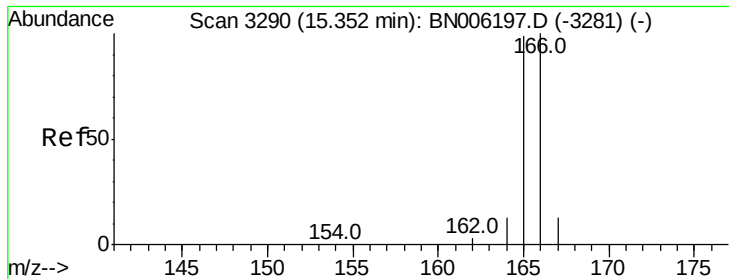
Abundance

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: 0.367 ng/ul

RT: 15.35 min Scan# 3290

Delta R.T. -0.00 min

Lab File: BN006239.D

Acq: 11 Jun 2019 00:38

Instrument :

BNA_N

ClientSampleId :

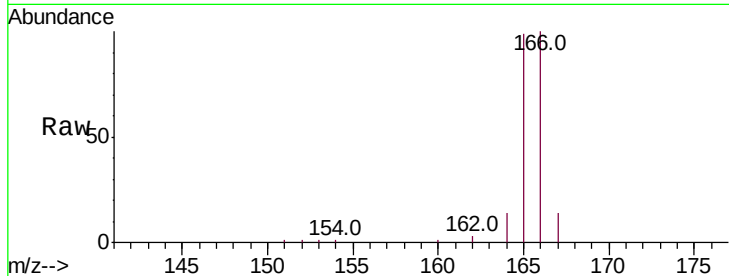
Tot Ion:166 Resp: 17845

Ion Ratio Lower Upper

166 100

165 98.5 76.4 114.6

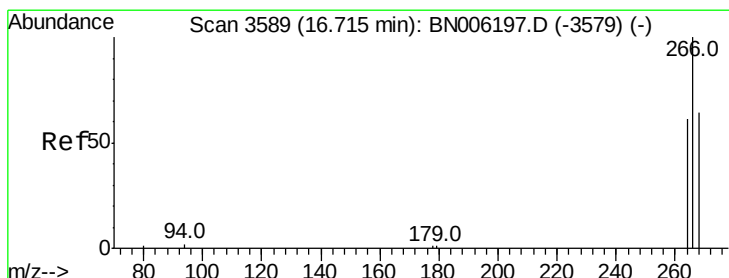
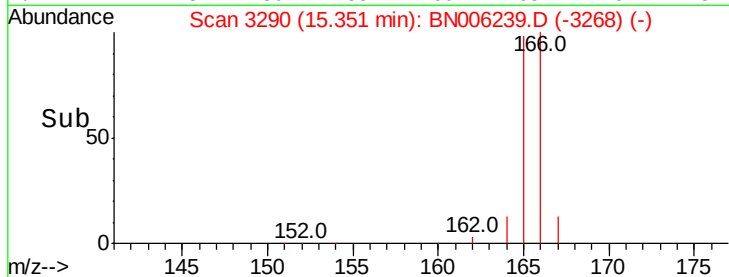
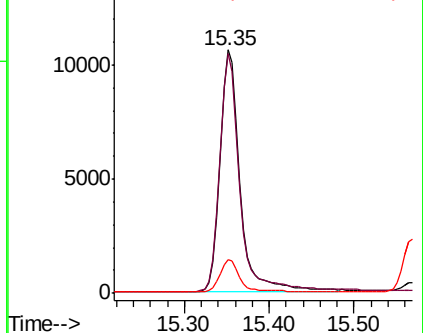
167 13.9 11.0 16.6



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: 0.309 ng/ul

RT: 16.71 min Scan# 3589

Delta R.T. -0.00 min

Lab File: BN006239.D

Acq: 11 Jun 2019 00:38

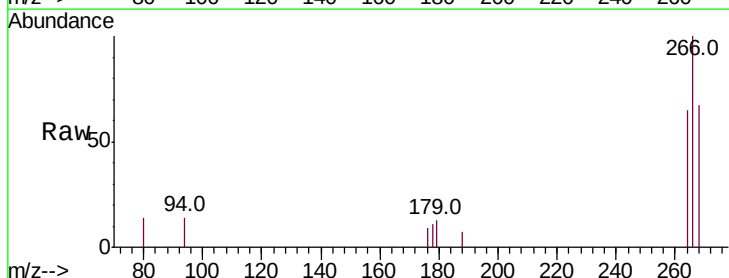
Tgt Ion:266 Resp: 1535

Ion Ratio Lower Upper

266 100

264 65.1 50.3 75.5

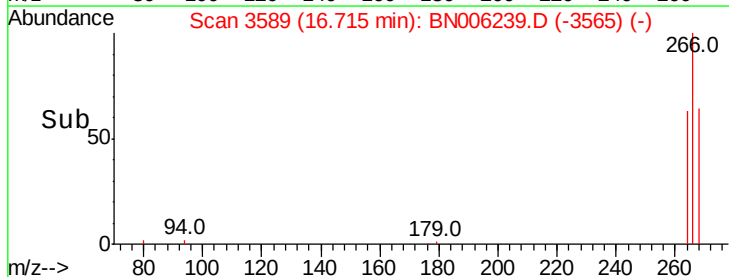
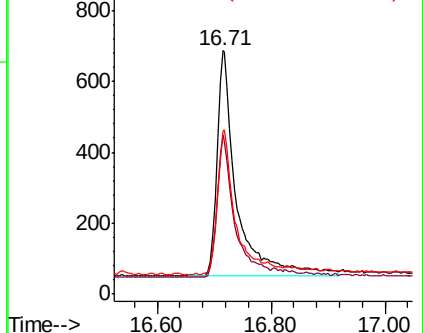
268 64.1 51.3 76.9

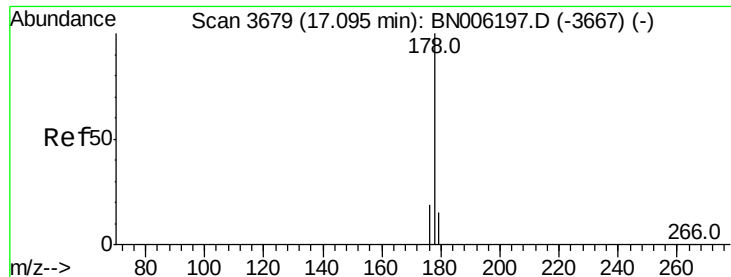


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.395 ng/ul

RT: 17.09 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN006239.D

Acq: 11 Jun 2019 00:38

Instrument :

BNA_N

ClientSampleId :

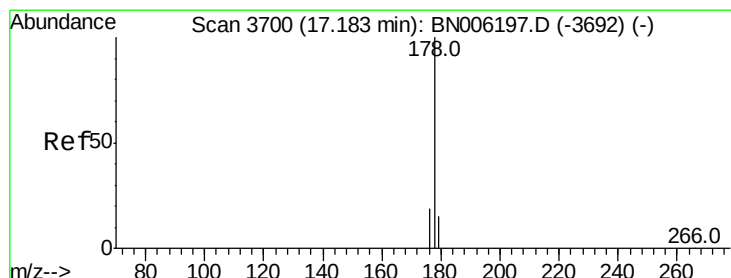
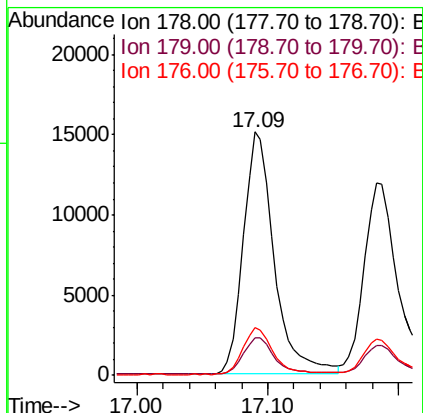
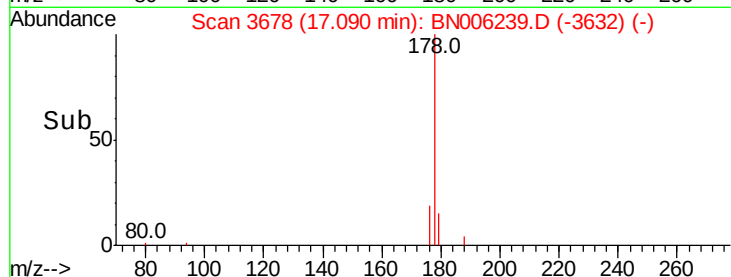
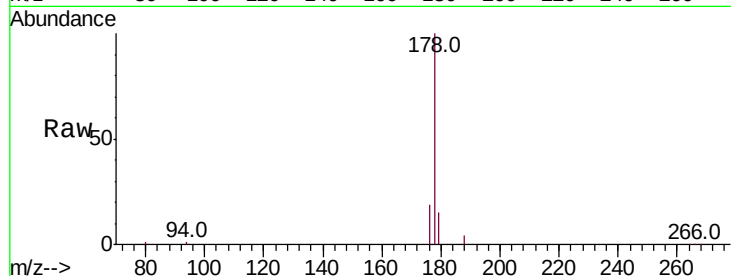
Tot Ion:178 Resp: 24805

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

176 19.5 15.3 22.9



#13

Anthracene

Concen: 0.363 ng/ul

RT: 17.18 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BN006239.D

Acq: 11 Jun 2019 00:38

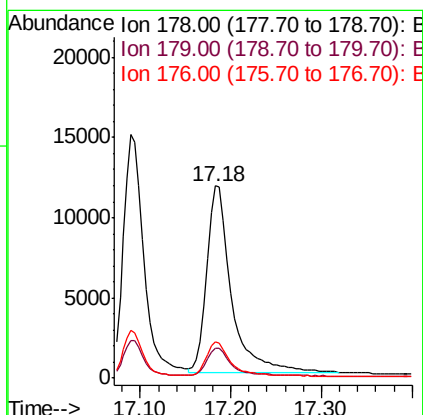
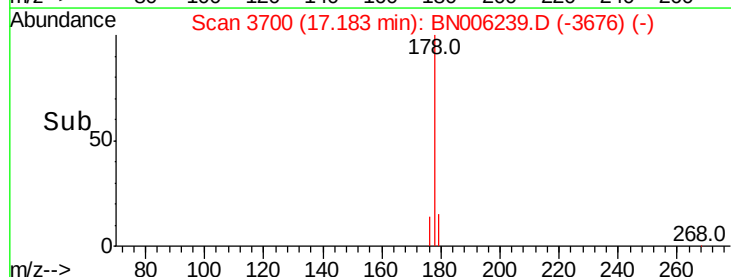
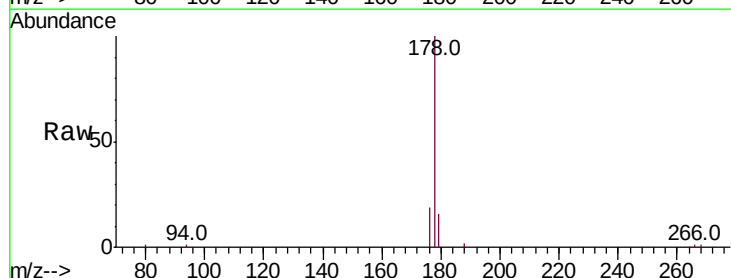
Tgt Ion:178 Resp: 21746

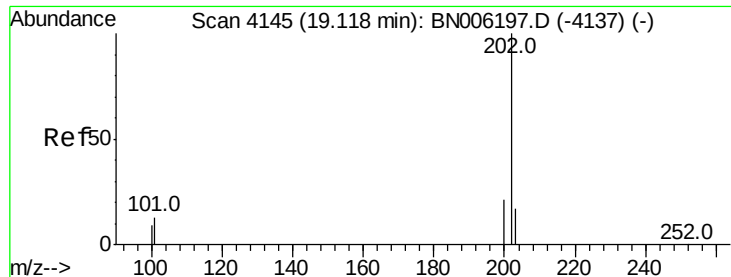
Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.4

176 18.8 15.1 22.7

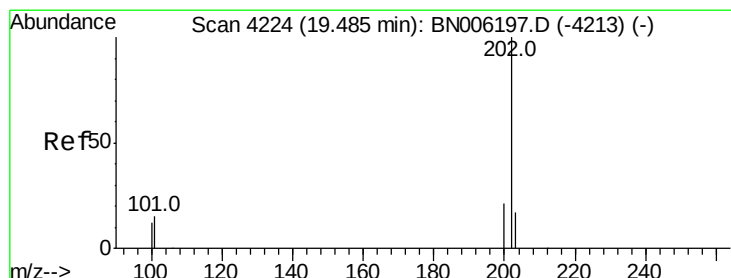
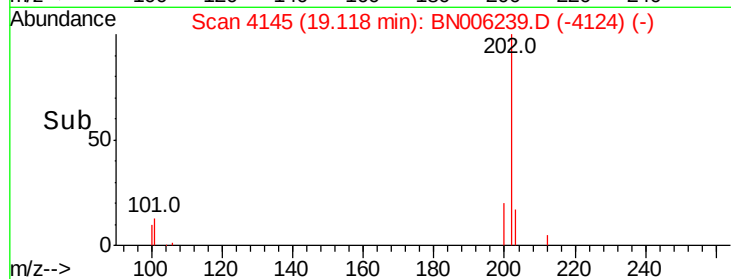
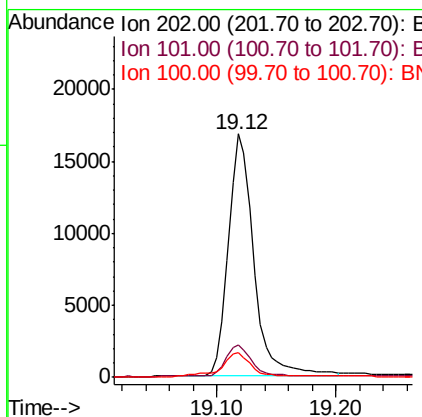
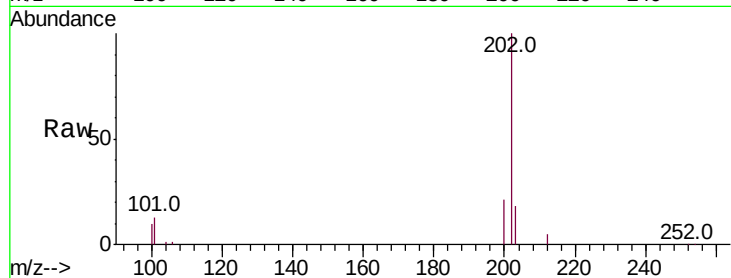




#15
Fluoranthene
Concen: 0.364 ng/ul
RT: 19.12 min Scan# 4145
Delta R.T. -0.00 min
Lab File: BN006239.D
Acq: 11 Jun 2019 00:38

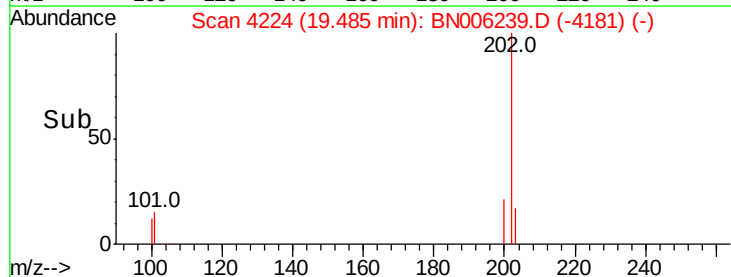
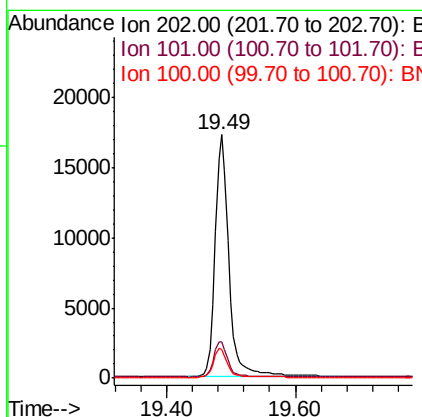
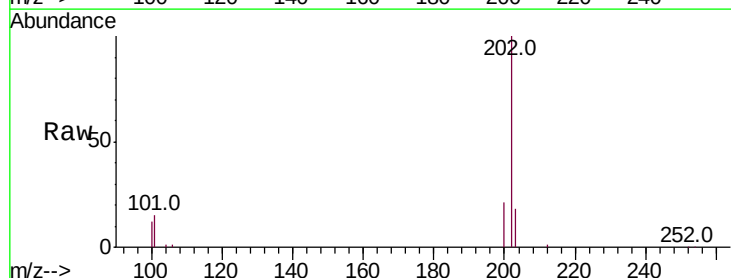
Instrument :
BNA_N
ClientSampleId :

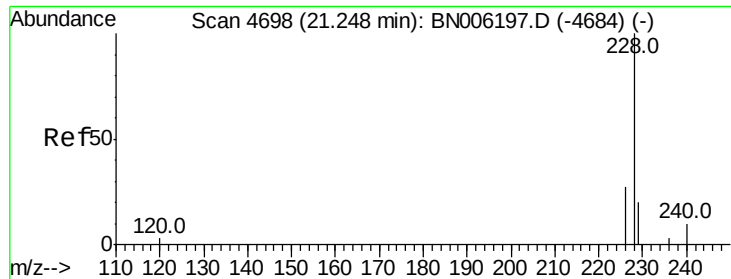
Tot Ion:202 Resp: 25188
Ion Ratio Lower Upper
202 100
101 13.4 0.0 32.1
100 10.0 0.0 28.7



#17
Pyrene
Concen: 0.408 ng/ul
RT: 19.49 min Scan# 4224
Delta R.T. -0.00 min
Lab File: BN006239.D
Acq: 11 Jun 2019 00:38

Tgt Ion:202 Resp: 25915
Ion Ratio Lower Upper
202 100
101 14.9 12.2 18.2
100 11.8 9.8 14.6





#18

Benzo(a)anthracene

Concen: 0.371 ng/ul

RT: 21.25 min Scan# 4697

Delta R.T. -0.00 min

Lab File: BN006239.D

Acq: 11 Jun 2019 00:38

Instrument :

BNA_N

ClientSampleId :

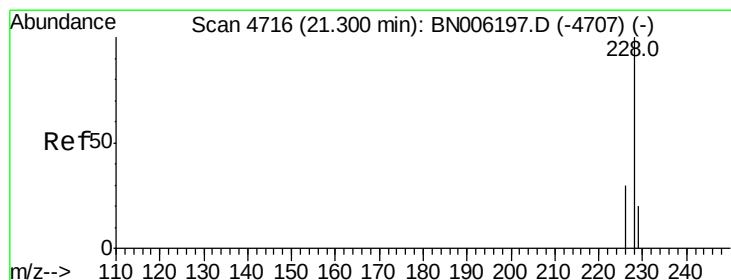
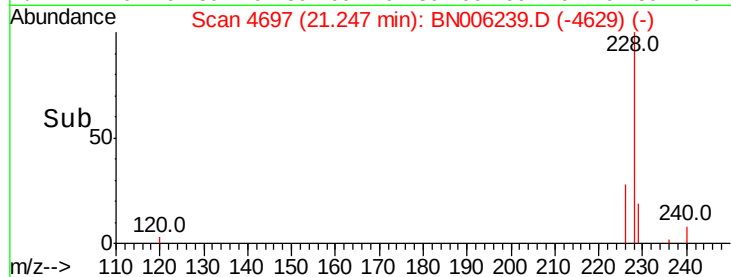
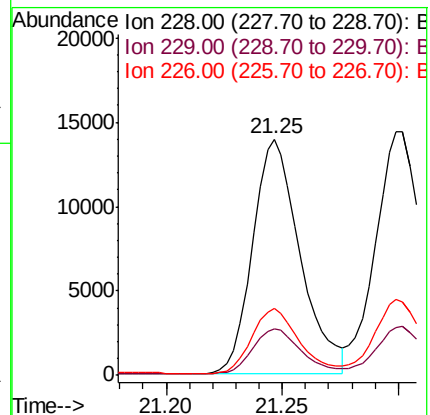
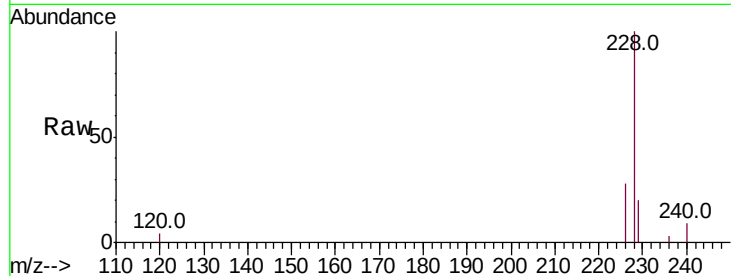
Tot Ion:228 Resp: 19775

Ion Ratio Lower Upper

228 100

229 19.7 16.5 24.7

226 28.2 22.8 34.2



#19

Chrysene

Concen: 0.469 ng/ul

RT: 21.30 min Scan# 4716

Delta R.T. 0.00 min

Lab File: BN006239.D

Acq: 11 Jun 2019 00:38

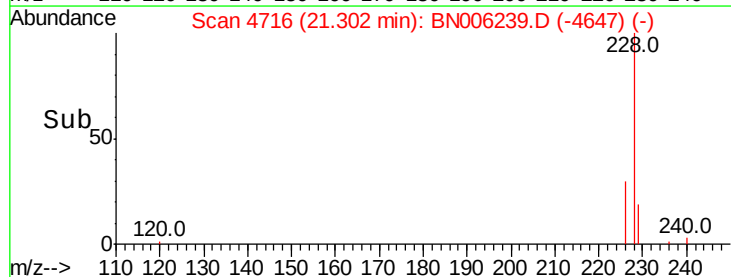
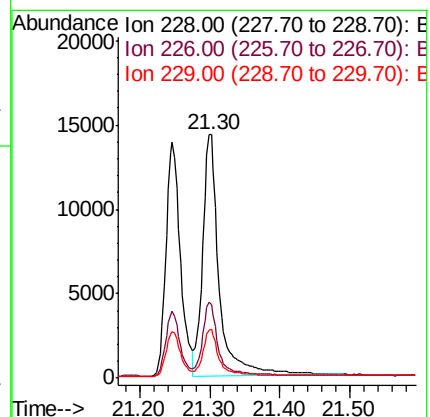
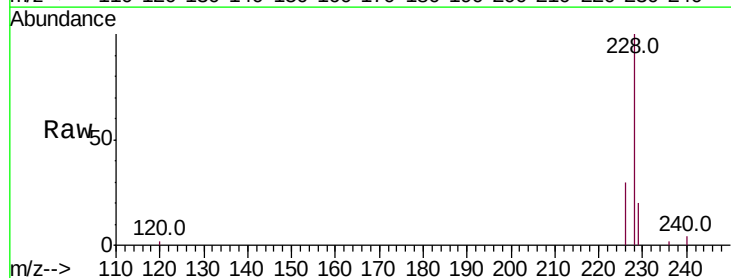
Tgt Ion:228 Resp: 23481

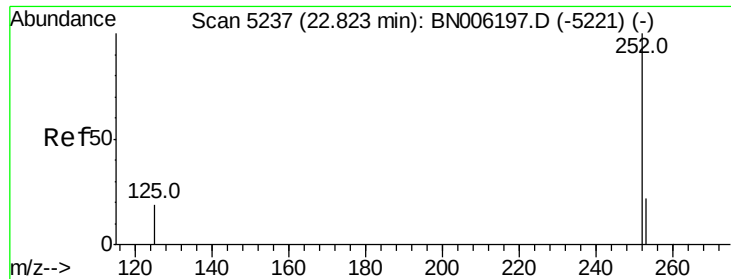
Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

229 20.1 16.3 24.5





#21

Benzo(b)fluoranthene

Concen: 0.374 ng/ul

RT: 22.82 min Scan# 5237

Delta R.T. 0.00 min

Lab File: BN006239.D

Acq: 11 Jun 2019 00:38

Instrument :

BNA_N

ClientSampleId :

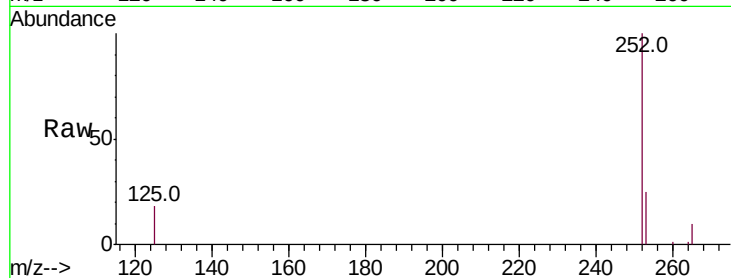
Tot Ion:252 Resp: 21330

Ion Ratio Lower Upper

252 100

253 24.7 0.0 51.4

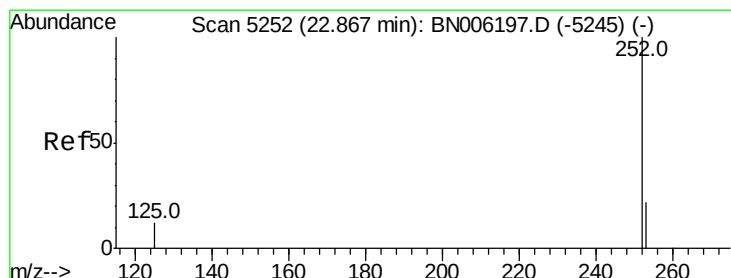
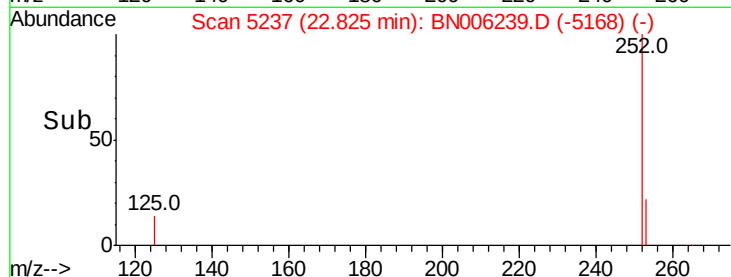
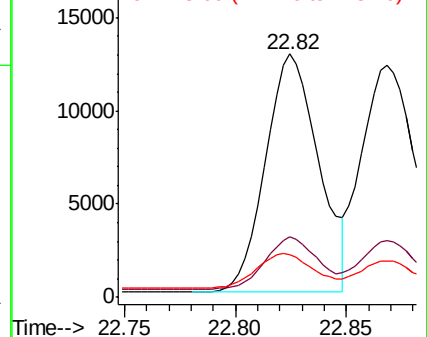
125 17.7 0.0 41.0



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: 0.416 ng/ul

RT: 22.87 min Scan# 5252

Delta R.T. 0.00 min

Lab File: BN006239.D

Acq: 11 Jun 2019 00:38

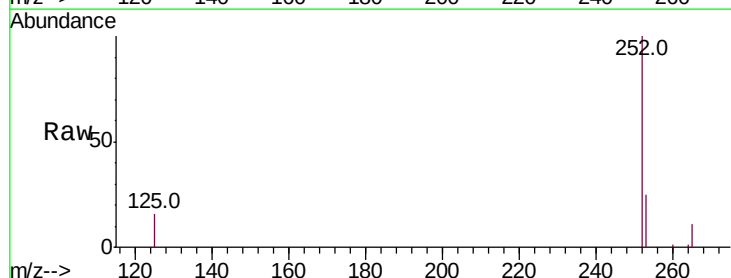
Tgt Ion:252 Resp: 23115

Ion Ratio Lower Upper

252 100

253 24.7 20.3 30.5

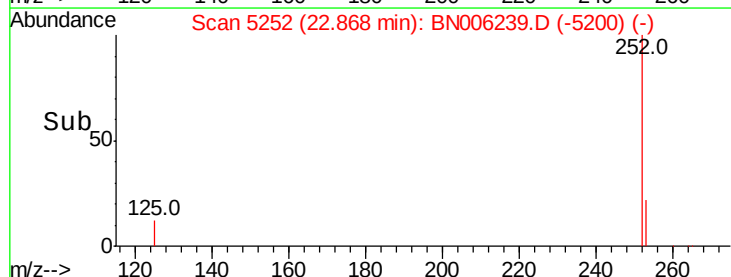
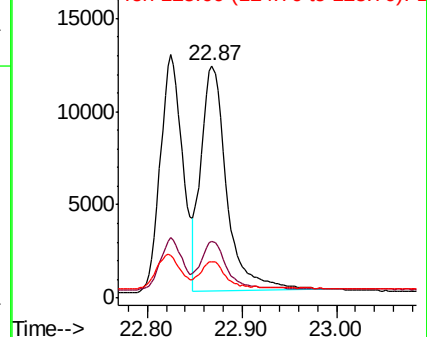
125 15.8 14.3 21.5

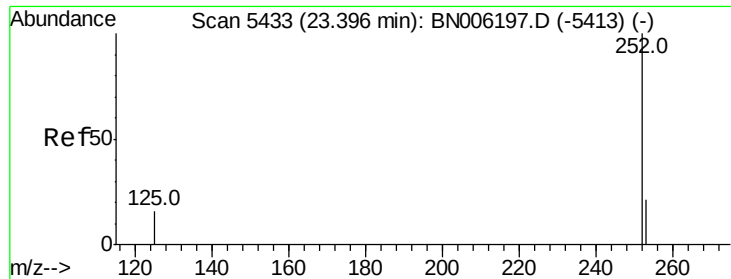


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.412 ng/ul

RT: 23.39 min Scan# 5432

Delta R.T. -0.00 min

Lab File: BN006239.D

Acq: 11 Jun 2019 00:38

Instrument :

BNA_N

ClientSampleId :

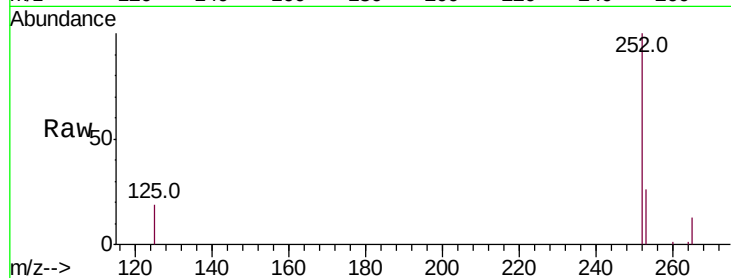
Tot Ion:252 Resp: 21891

Ion Ratio Lower Upper

252 100

253 25.7 21.1 31.7

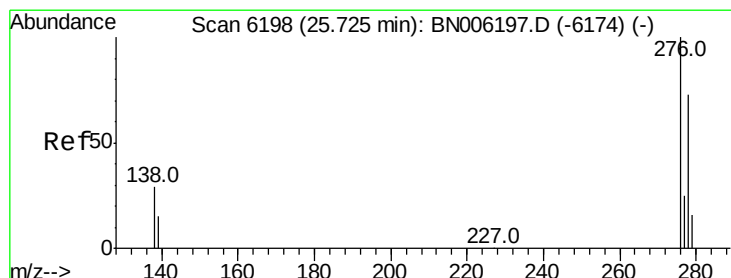
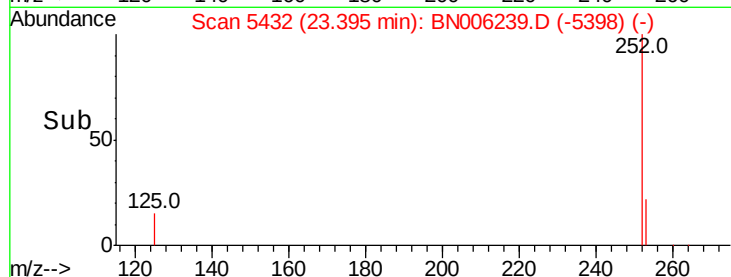
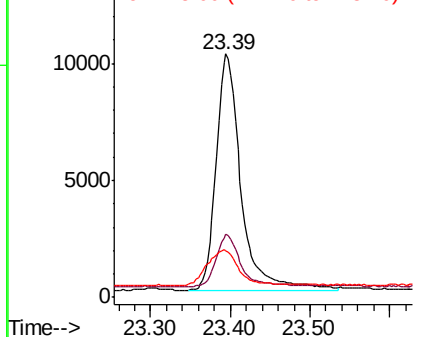
125 19.0 20.3 30.5#



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: 0.447 ng/ul

RT: 25.73 min Scan# 6198

Delta R.T. 0.00 min

Lab File: BN006239.D

Acq: 11 Jun 2019 00:38

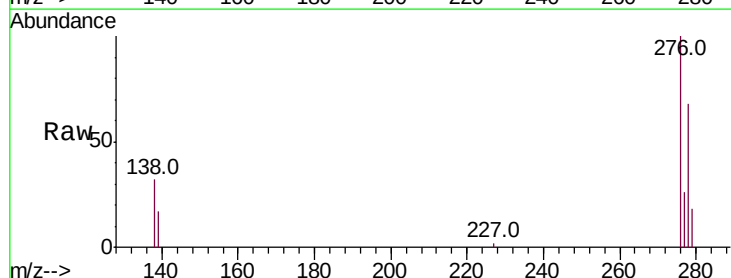
Tgt Ion:276 Resp: 25662

Ion Ratio Lower Upper

276 100

138 30.6 25.6 38.4

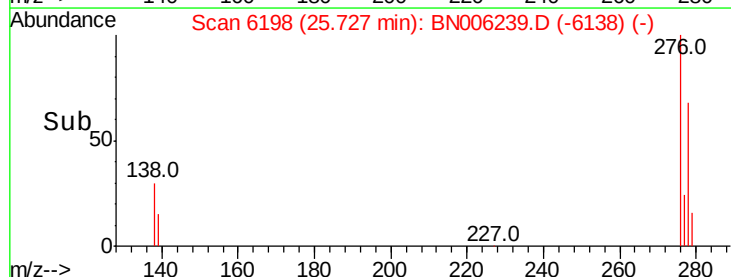
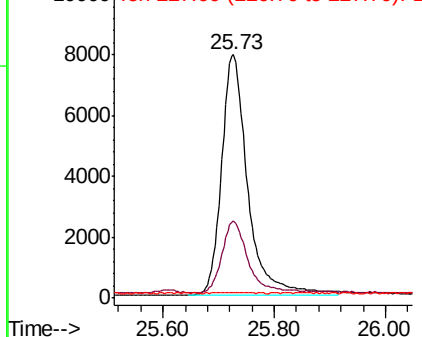
227 0.1 0.3 0.5#

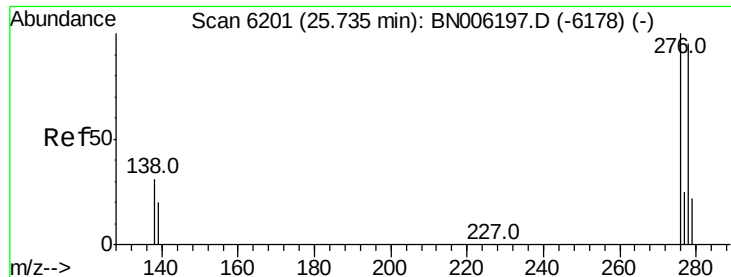


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.437 ng/ul

RT: 25.73 min Scan# 6200

Delta R.T. -0.00 min

Lab File: BN006239.D

Acq: 11 Jun 2019 00:38

Instrument :

BNA_N

ClientSampleId :

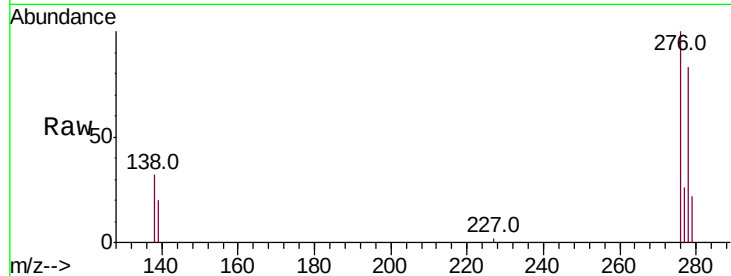
Tot Ion:278 Resp: 20066

Ion Ratio Lower Upper

278 100

139 24.0 21.2 31.8

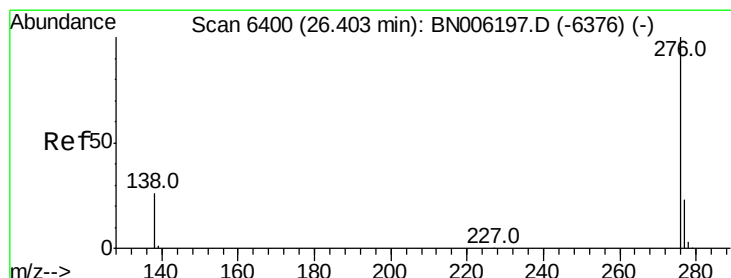
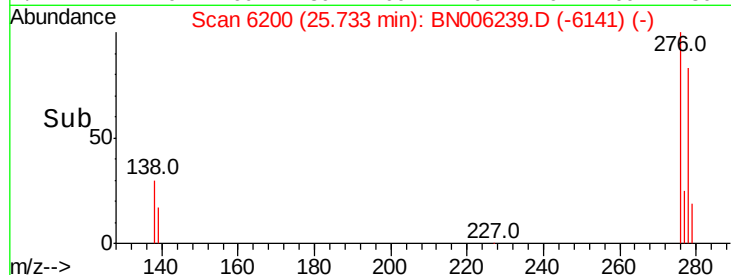
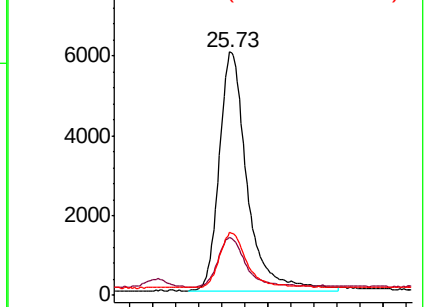
279 26.2 22.6 33.8



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: 0.458 ng/ul

RT: 26.41 min Scan# 6402

Delta R.T. 0.01 min

Lab File: BN006239.D

Acq: 11 Jun 2019 00:38

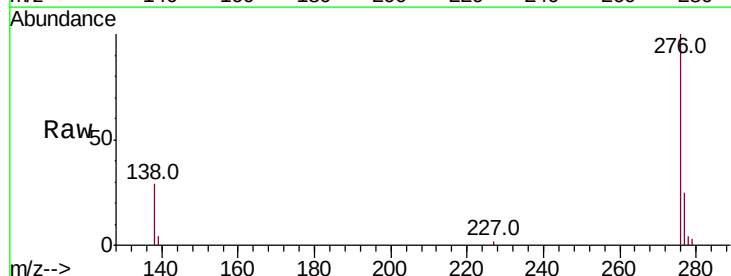
Tgt Ion:276 Resp: 22055

Ion Ratio Lower Upper

276 100

138 28.7 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

