

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060619\
 Data File : BN006173.D
 Acq On : 07 Jun 2019 18:45
 Operator : JU/SJ
 Sample : K3201-09DL 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AC0DL

Quant Time: Jun 08 02:03:34 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 : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	5090	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	19307	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	9853	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	20947	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	17679	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	23817	0.40	ng/ul	0.02

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	1497	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	3543	0.06	ng/ul	0.00

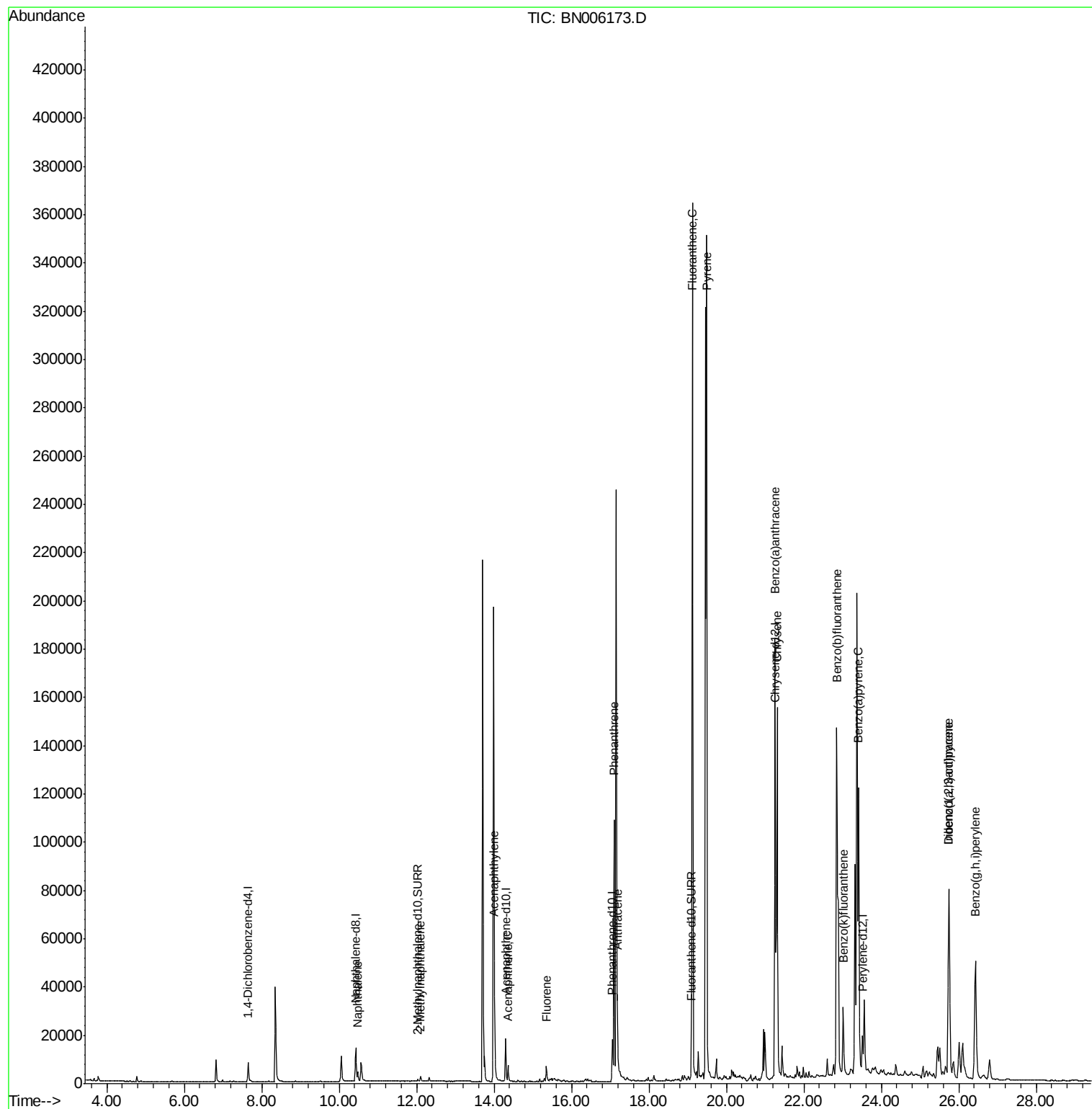
Target Compounds				Qvalue		
3) Naphthalene	10.48	128	5157	0.097	ng/ul#	95
5) 2-Methylnaphthalene	12.10	142	1841	0.050	ng/ul	98
7) Acenaphthylene	14.01	152	27861	0.509	ng/ul	100
8) Acenaphthene	14.36	153	3861	0.102	ng/ul	99
9) Fluorene	15.35	166	4381	0.099	ng/ul#	95
12) Phenanthrene	17.09	178	117850	1.753	ng/ul	100
13) Anthracene	17.18	178	32732	0.510	ng/ul	99
15) Fluoranthene	19.12	202	312570	4.210	ng/ul	98
17) Pyrene	19.49	202	283832	3.048	ng/ul	99
18) Benzo(a)anthracene	21.26	228	155794	1.992	ng/ul	99
19) Chrysene	21.31	228	170218	2.319	ng/ul	98
21) Benzo(b)fluoranthene	22.84	252	330461	3.328	ng/ul	90
22) Benzo(k)fluoranthene	23.02	252	27341	0.283	ng/ul	98
23) Benzo(a)pyrene	23.42	252	152555	1.649	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.75	276	127017	1.269	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.75	278	30476	0.381	ng/ul	95
26) Benzo(g,h,i)perylene	26.43	276	99363	1.185	ng/ul	94

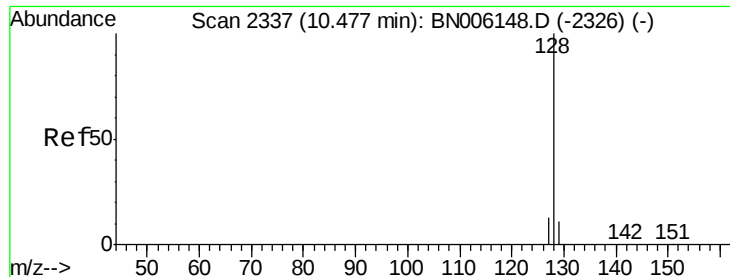
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.097 ng/ul

RT: 10.48 min Scan# 2337

Delta R.T. -0.00 min

Lab File: BN006173.D

Acq: 07 Jun 2019 18:45

Instrument :

BNA_N

ClientSampleId :

C0AC0DL

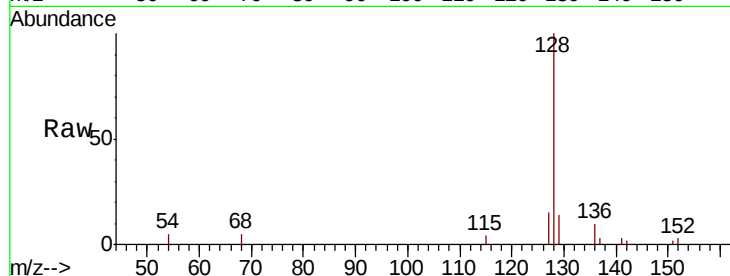
Tgt Ion:128 Resp: 5157

Ion Ratio Lower Upper

128 100

129 14.3 9.3 13.9#

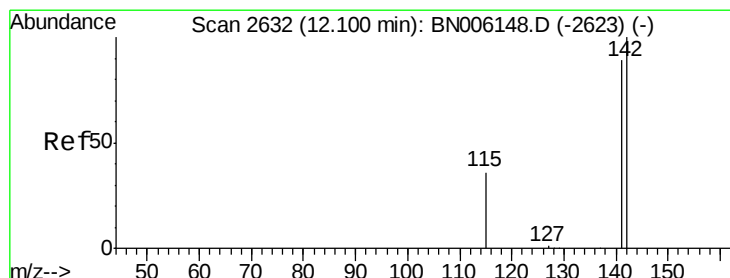
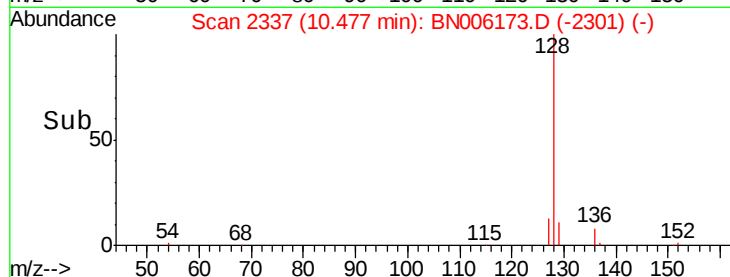
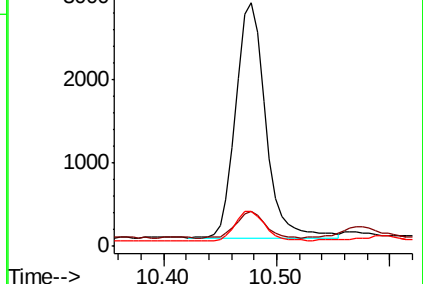
127 14.5 10.7 16.1



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: 0.050 ng/ul

RT: 12.10 min Scan# 2632

Delta R.T. -0.00 min

Lab File: BN006173.D

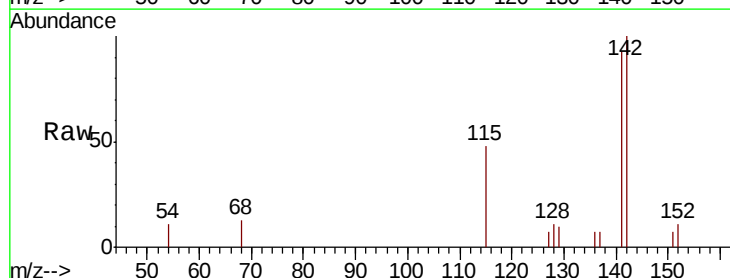
Acq: 07 Jun 2019 18:45

Tgt Ion:142 Resp: 1841

Ion Ratio Lower Upper

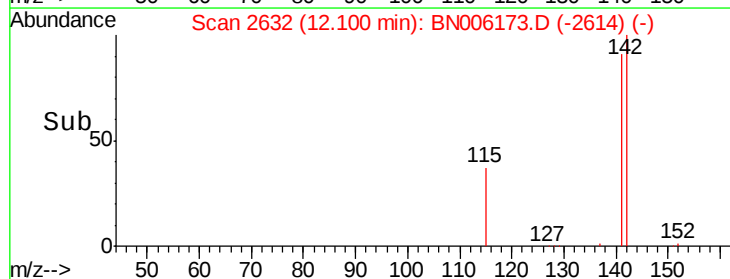
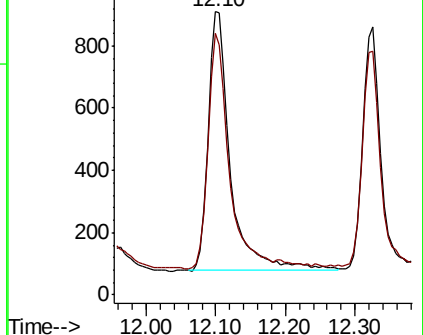
142 100

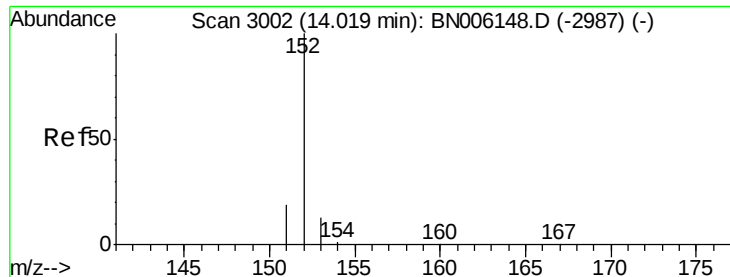
141 89.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.509 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN006173.D

Acq: 07 Jun 2019 18:45

Instrument :

BNA_N

ClientSampleId :

C0AC0DL

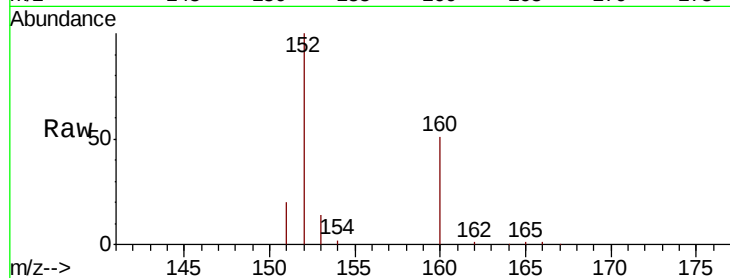
Tgt Ion:152 Resp: 27861

Ion Ratio Lower Upper

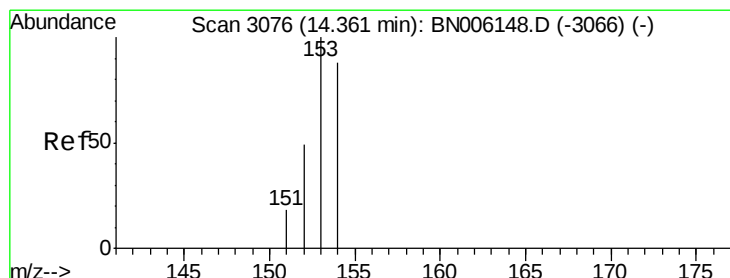
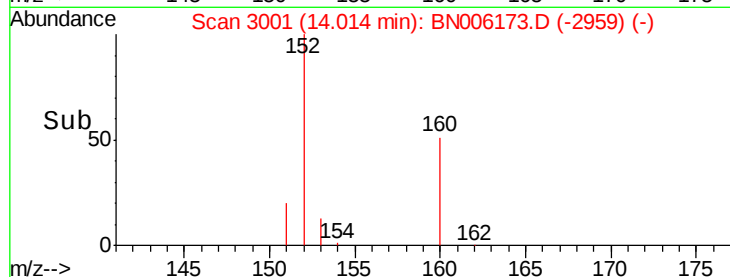
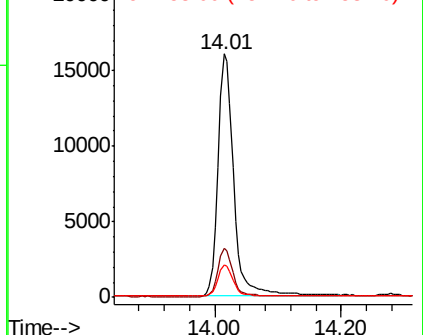
152 100

151 20.0 15.8 23.8

153 13.5 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: 0.102 ng/ul

RT: 14.36 min Scan# 3076

Delta R.T. -0.00 min

Lab File: BN006173.D

Acq: 07 Jun 2019 18:45

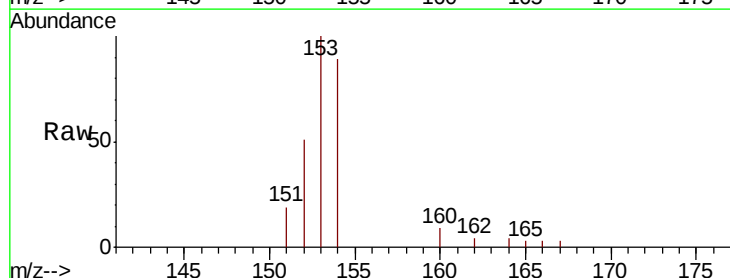
Tgt Ion:153 Resp: 3861

Ion Ratio Lower Upper

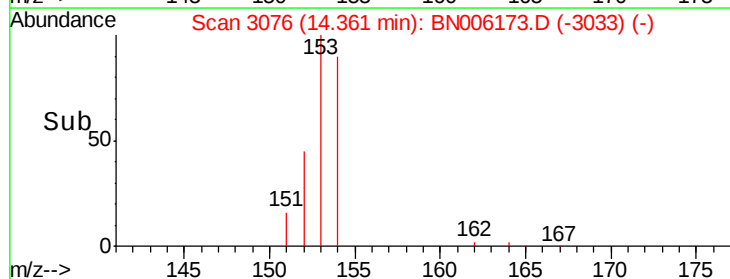
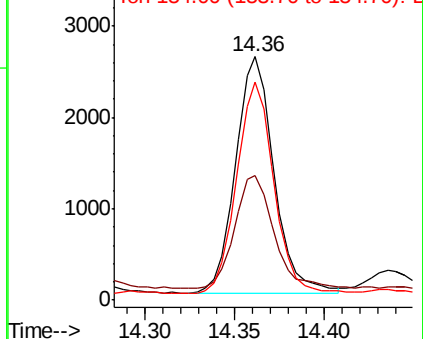
153 100

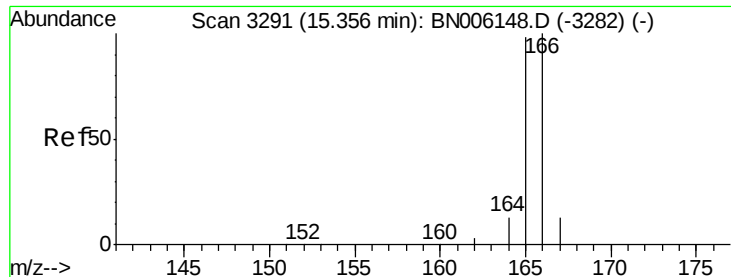
152 51.0 39.1 58.7

154 89.5 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: 0.099 ng/ul

RT: 15.35 min Scan# 3290

Delta R.T. -0.00 min

Lab File: BN006173.D

Acq: 07 Jun 2019 18:45

Instrument :

BNA_N

ClientSampleId :

C0AC0DL

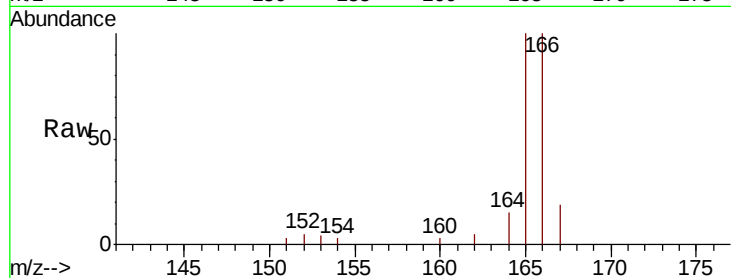
Tgt Ion:166 Resp: 4381

Ion Ratio Lower Upper

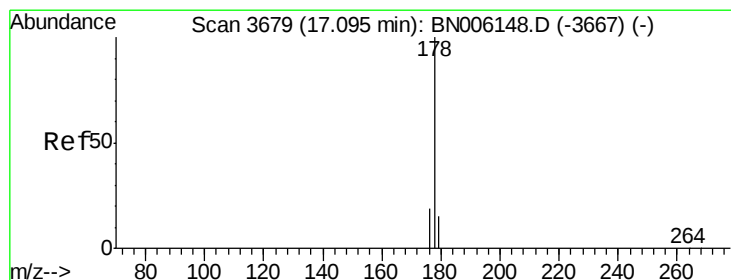
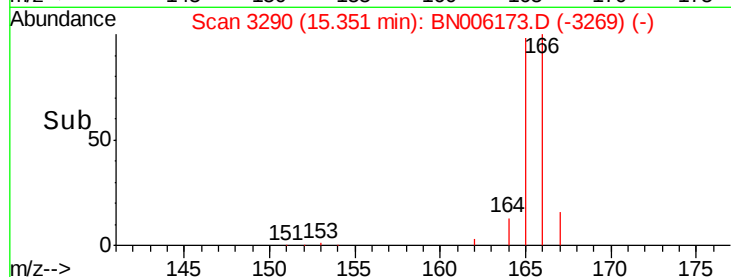
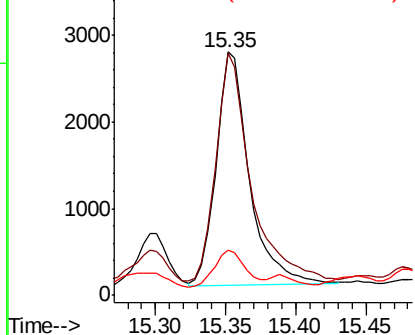
166 100

165 99.5 76.4 114.6

167 18.7 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



#12

Phenanthrene

Concen: 1.753 ng/ul

RT: 17.09 min Scan# 3679

Delta R.T. -0.00 min

Lab File: BN006173.D

Acq: 07 Jun 2019 18:45

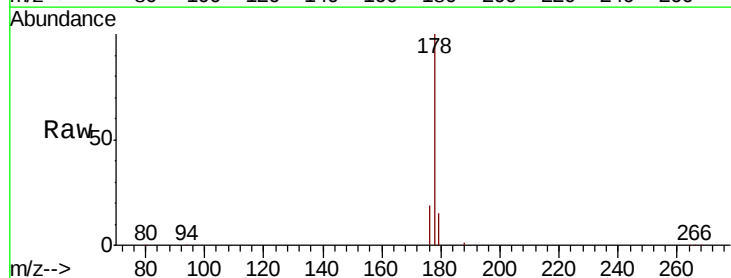
Tgt Ion:178 Resp: 117850

Ion Ratio Lower Upper

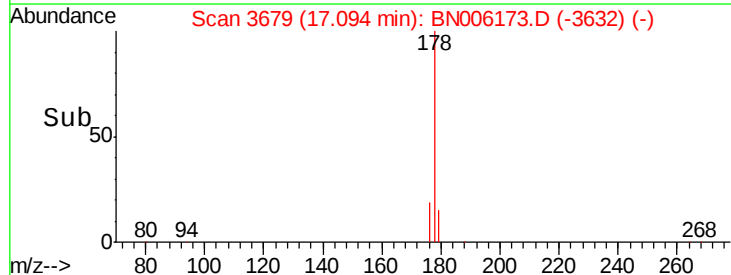
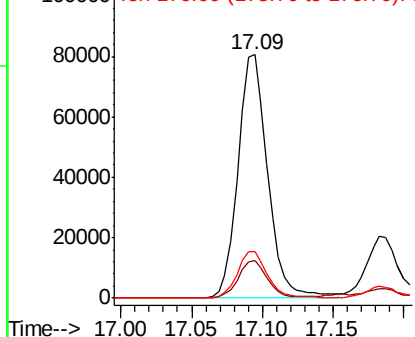
178 100

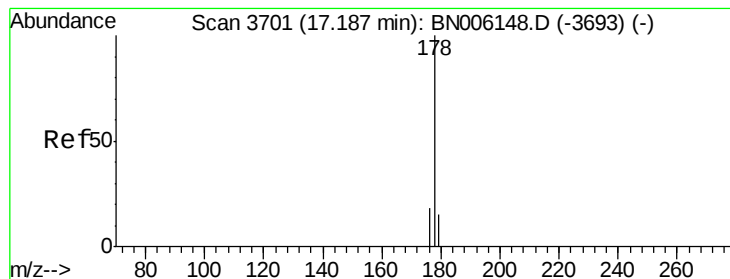
179 15.5 12.3 18.5

176 19.1 15.3 22.9



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: 0.510 ng/ul

RT: 17.18 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BN006173.D

Acq: 07 Jun 2019 18:45

Instrument :

BNA_N

ClientSampleId :

C0AC0DL

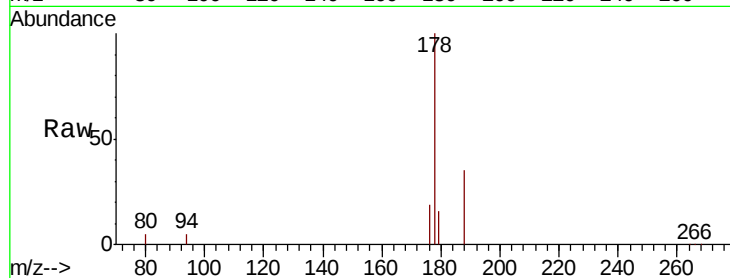
Tgt Ion:178 Resp: 32732

Ion Ratio Lower Upper

178 100

179 16.1 12.2 18.4

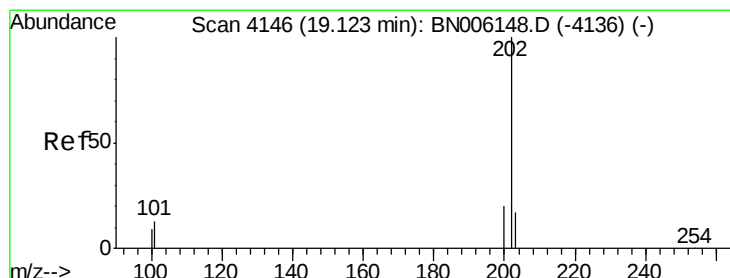
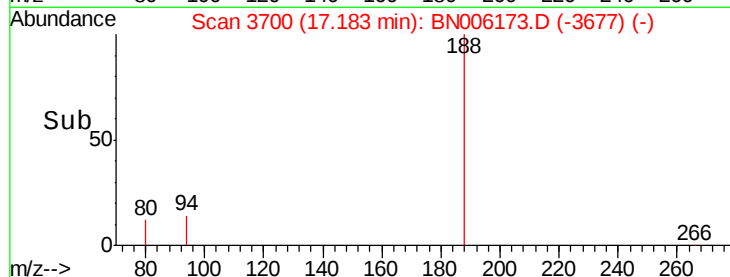
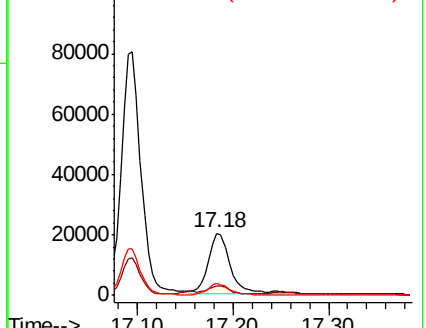
176 18.9 15.1 22.7



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: 4.210 ng/ul

RT: 19.12 min Scan# 4146

Delta R.T. -0.00 min

Lab File: BN006173.D

Acq: 07 Jun 2019 18:45

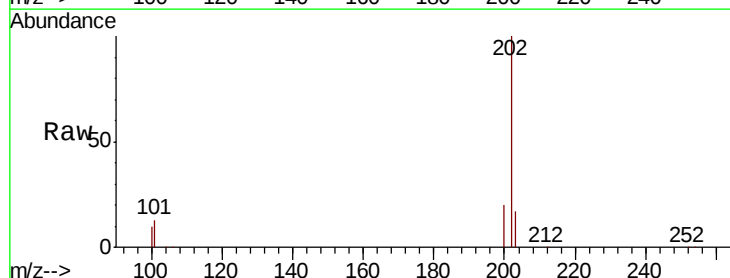
Tgt Ion:202 Resp: 312570

Ion Ratio Lower Upper

202 100

101 13.1 0.0 32.1

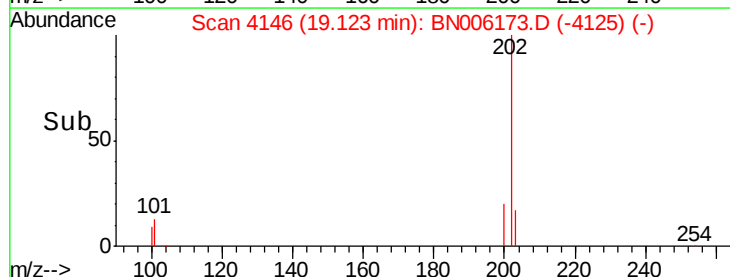
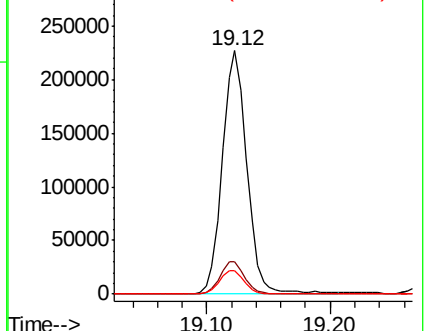
100 9.5 0.0 28.7

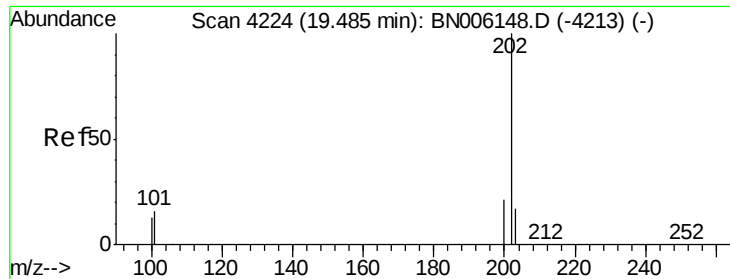


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pyrene

Concen: 3.048 ng/ul

RT: 19.49 min Scan# 4225

Delta R.T. 0.00 min

Lab File: BN006173.D

Acq: 07 Jun 2019 18:45

Instrument :

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ClientSampleId :

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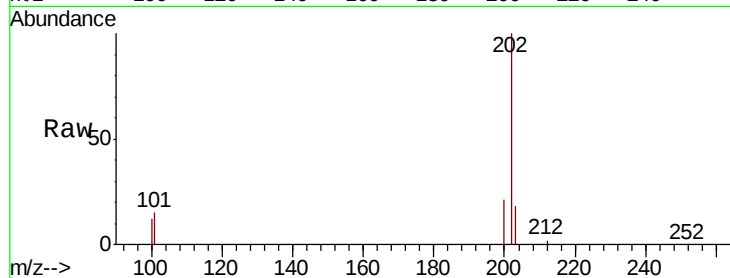
Tgt Ion:202 Resp: 283832

Ion Ratio Lower Upper

202 100

101 14.7 12.2 18.2

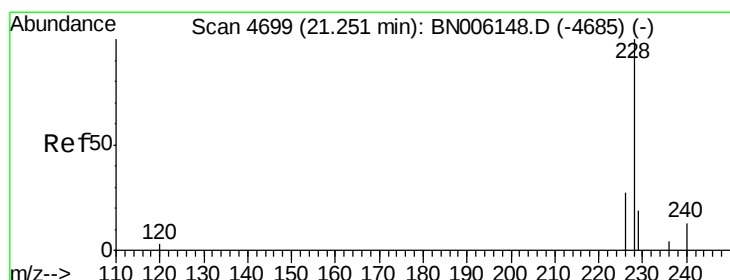
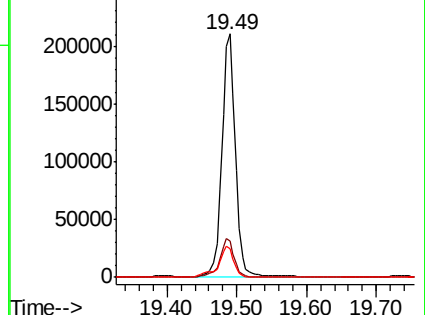
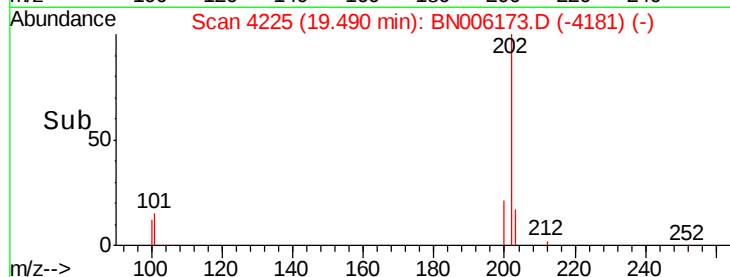
100 11.5 9.8 14.6



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: 1.992 ng/ul

RT: 21.26 min Scan# 4701

Delta R.T. 0.01 min

Lab File: BN006173.D

Acq: 07 Jun 2019 18:45

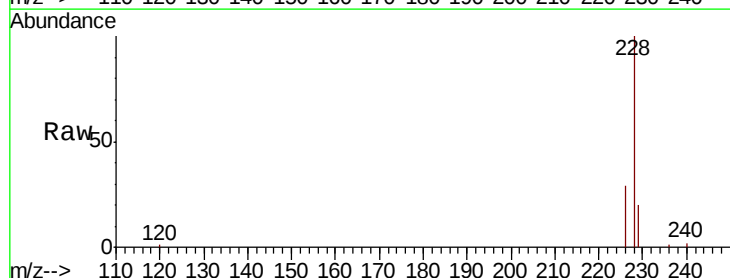
Tgt Ion:228 Resp: 155794

Ion Ratio Lower Upper

228 100

229 20.5 16.5 24.7

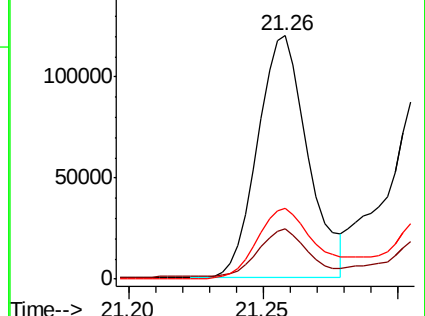
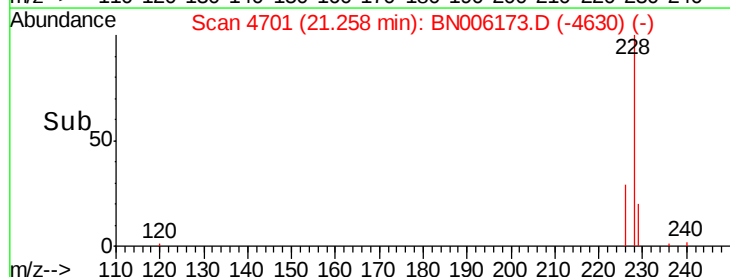
226 29.1 22.8 34.2

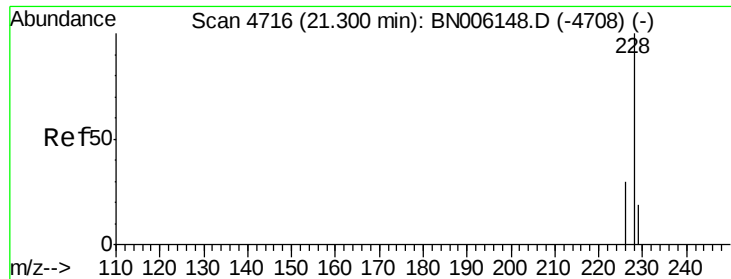


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 2.319 ng/ul

RT: 21.31 min Scan# 4719

Delta R.T. 0.01 min

Lab File: BN006173.D

Acq: 07 Jun 2019 18:45

Instrument :

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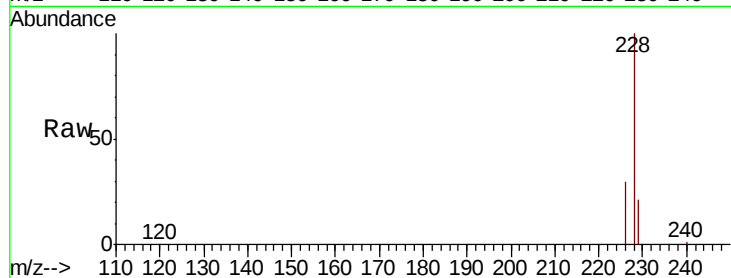
Tgt Ion:228 Resp: 170218

Ion Ratio Lower Upper

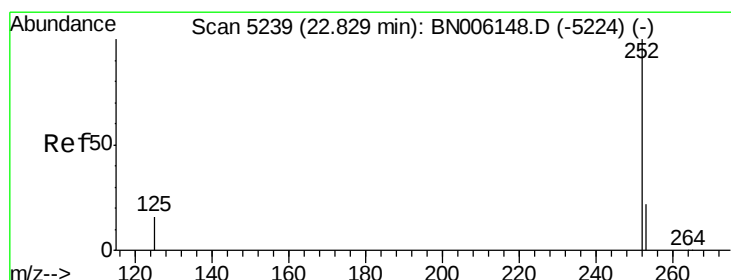
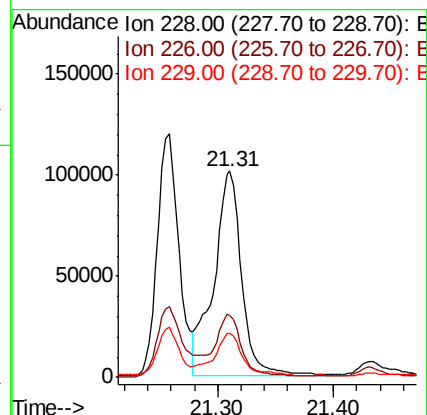
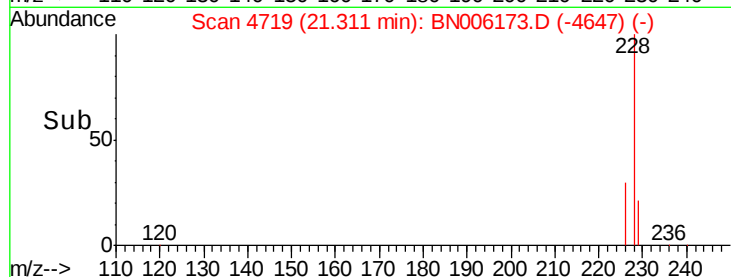
228 100

226 30.3 25.0 37.6

229 21.5 16.3 24.5



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: 3.328 ng/ul

RT: 22.84 min Scan# 5244

Delta R.T. 0.02 min

Lab File: BN006173.D

Acq: 07 Jun 2019 18:45

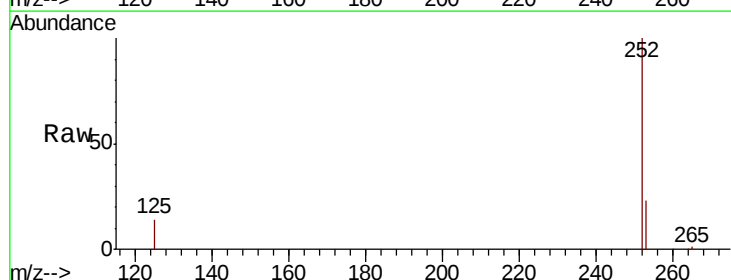
Tgt Ion:252 Resp: 330461

Ion Ratio Lower Upper

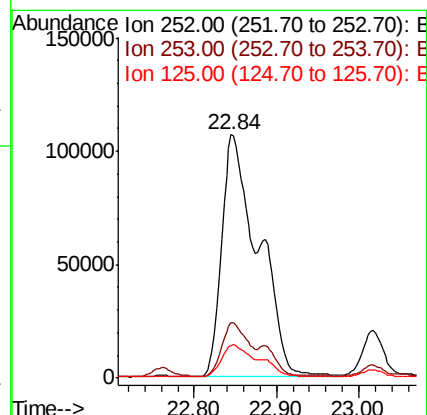
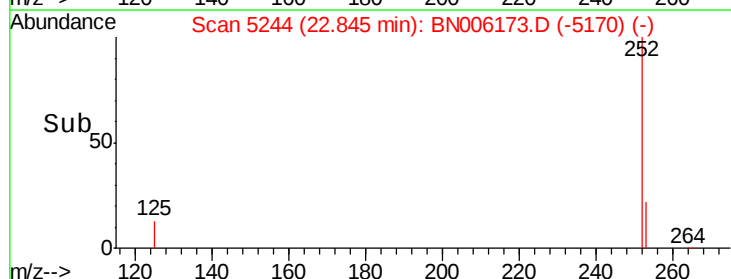
252 100

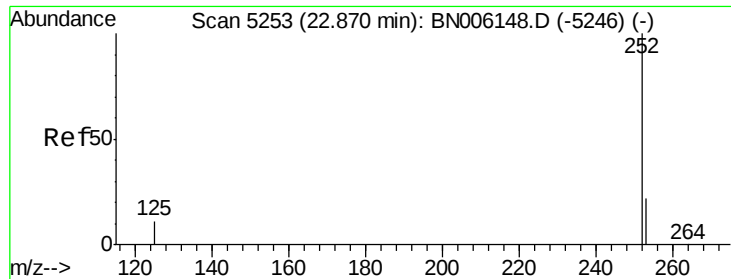
253 22.6 0.0 51.4

125 13.5 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: 0.283 ng/ul

RT: 23.02 min Scan# 5303

Delta R.T. 0.15 min

Lab File: BN006173.D

Acq: 07 Jun 2019 18:45

Instrument :

BNA_N

ClientSampleId :

C0AC0DL

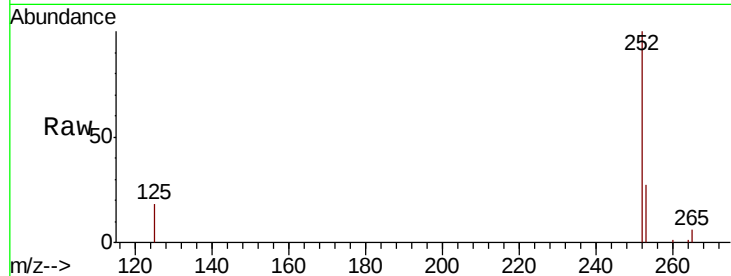
Tgt Ion:252 Resp: 27341

Ion Ratio Lower Upper

252 100

253 27.1 20.3 30.5

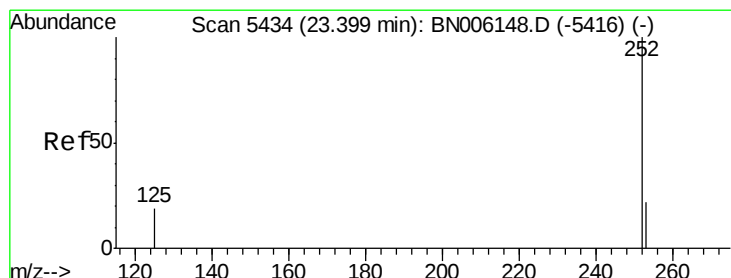
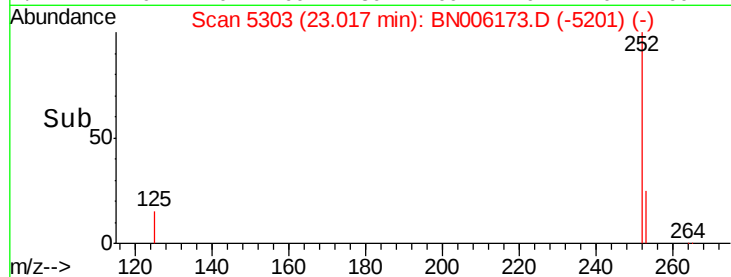
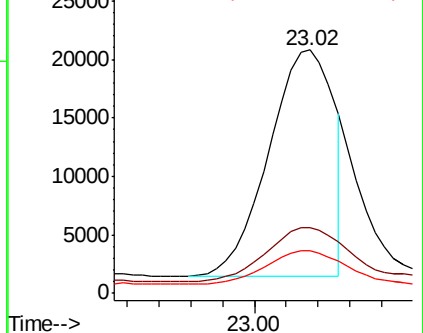
125 17.8 14.3 21.5



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: 1.649 ng/ul

RT: 23.42 min Scan# 5439

Delta R.T. 0.02 min

Lab File: BN006173.D

Acq: 07 Jun 2019 18:45

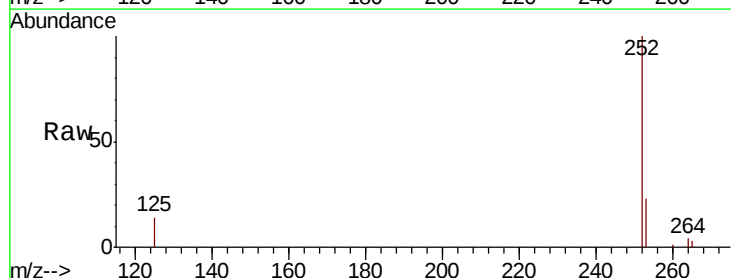
Tgt Ion:252 Resp: 152555

Ion Ratio Lower Upper

252 100

253 22.6 21.1 31.7

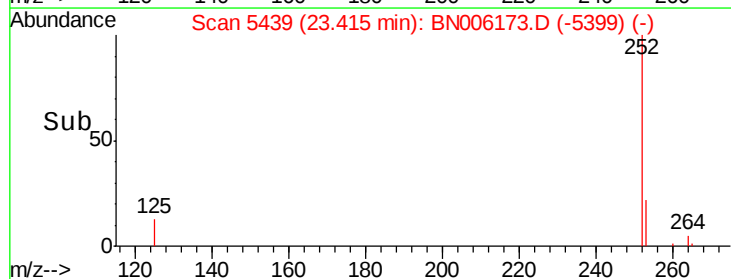
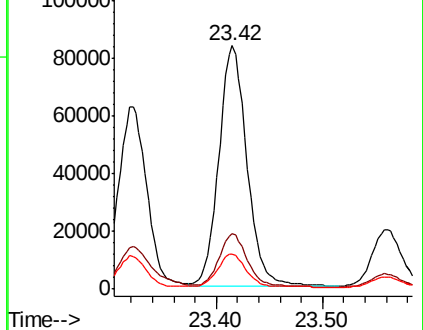
125 14.3 20.3 30.5#

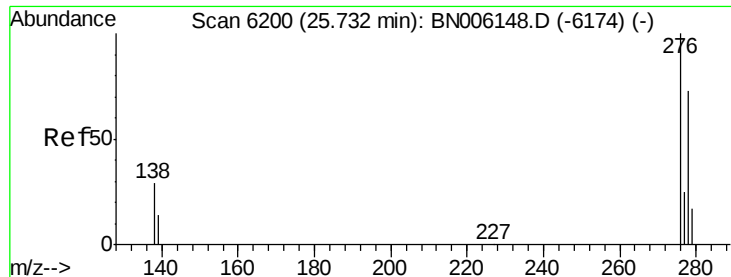


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

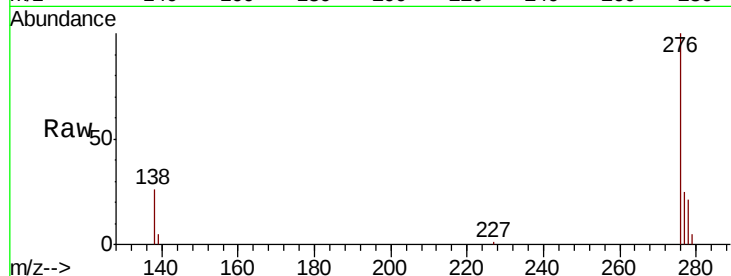




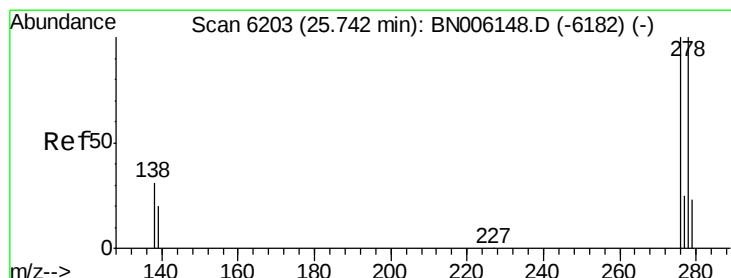
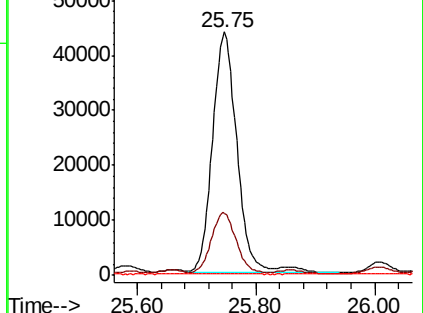
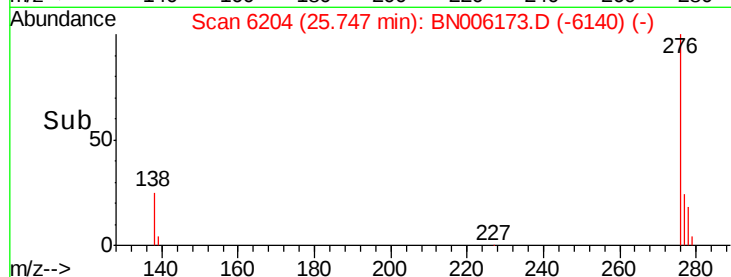
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.269 ng/ul
 RT: 25.75 min Scan# 6204
 Delta R.T. 0.02 min
 Lab File: BN006173.D
 Acq: 07 Jun 2019 18:45

Instrument :
 BNA_N
 ClientSampleId :
 C0AC0DL

Tgt Ion: 276 Resp: 127017
 Ion Ratio Lower Upper
 276 100
 138 24.8 25.6 38.4#
 227 0.2 0.3 0.5#

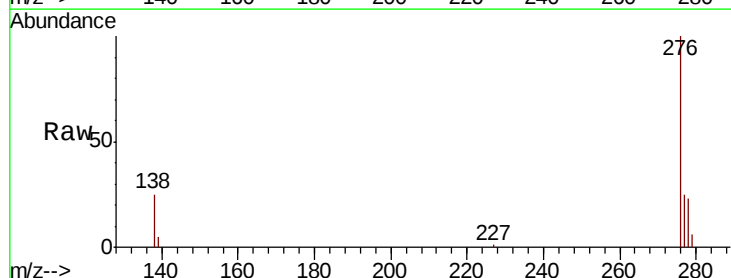


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 227.00 (226.70 to 227.70): E

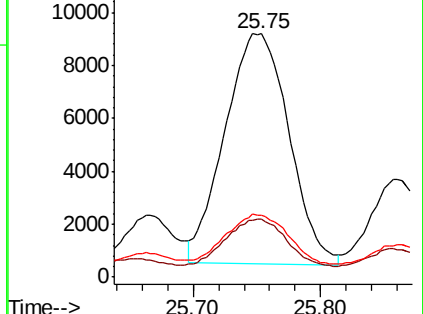
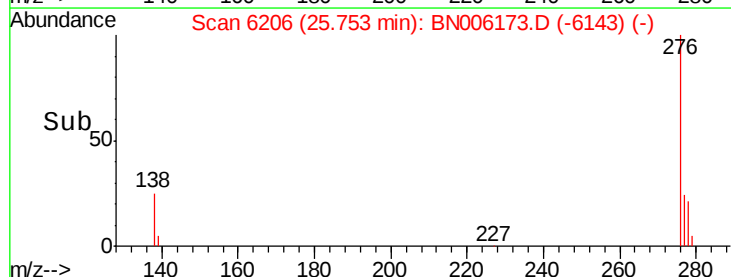


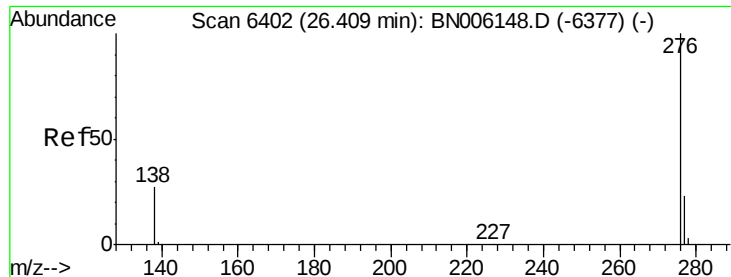
#25
 Dibenzo(a,h)anthracene
 Concen: 0.381 ng/ul
 RT: 25.75 min Scan# 6206
 Delta R.T. 0.01 min
 Lab File: BN006173.D
 Acq: 07 Jun 2019 18:45

Tgt Ion: 278 Resp: 30476
 Ion Ratio Lower Upper
 278 100
 139 23.6 21.2 31.8
 279 25.4 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: 1.185 ng/ul

RT: 26.43 min Scan# 6408

Delta R.T. 0.02 min

Lab File: BN006173.D

Acq: 07 Jun 2019 18:45

Instrument :

BNA_N

ClientSampleId :

C0AC0DL

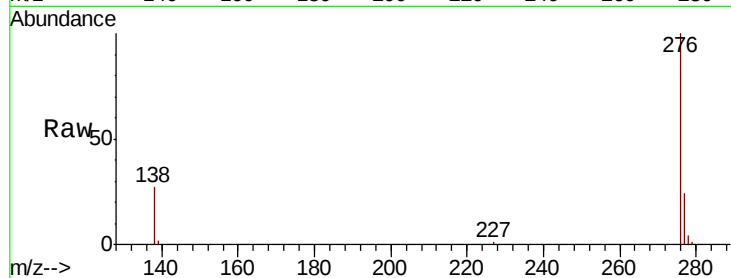
Tgt Ion:276 Resp: 99363

Ion Ratio Lower Upper

276 100

138 27.0 24.2 36.4

277 24.2 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

