

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
 Data File : BN006251.D
 Acq On : 11 Jun 2019 18:03
 Operator : JU/SJ
 Sample : K3083-17MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jun 12 01:12:06 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	7.64	152	5216	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	20273	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	10529	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	19859	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	13384	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	16615	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	7797	0.25	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	13445	0.25	ng/ul	0.00

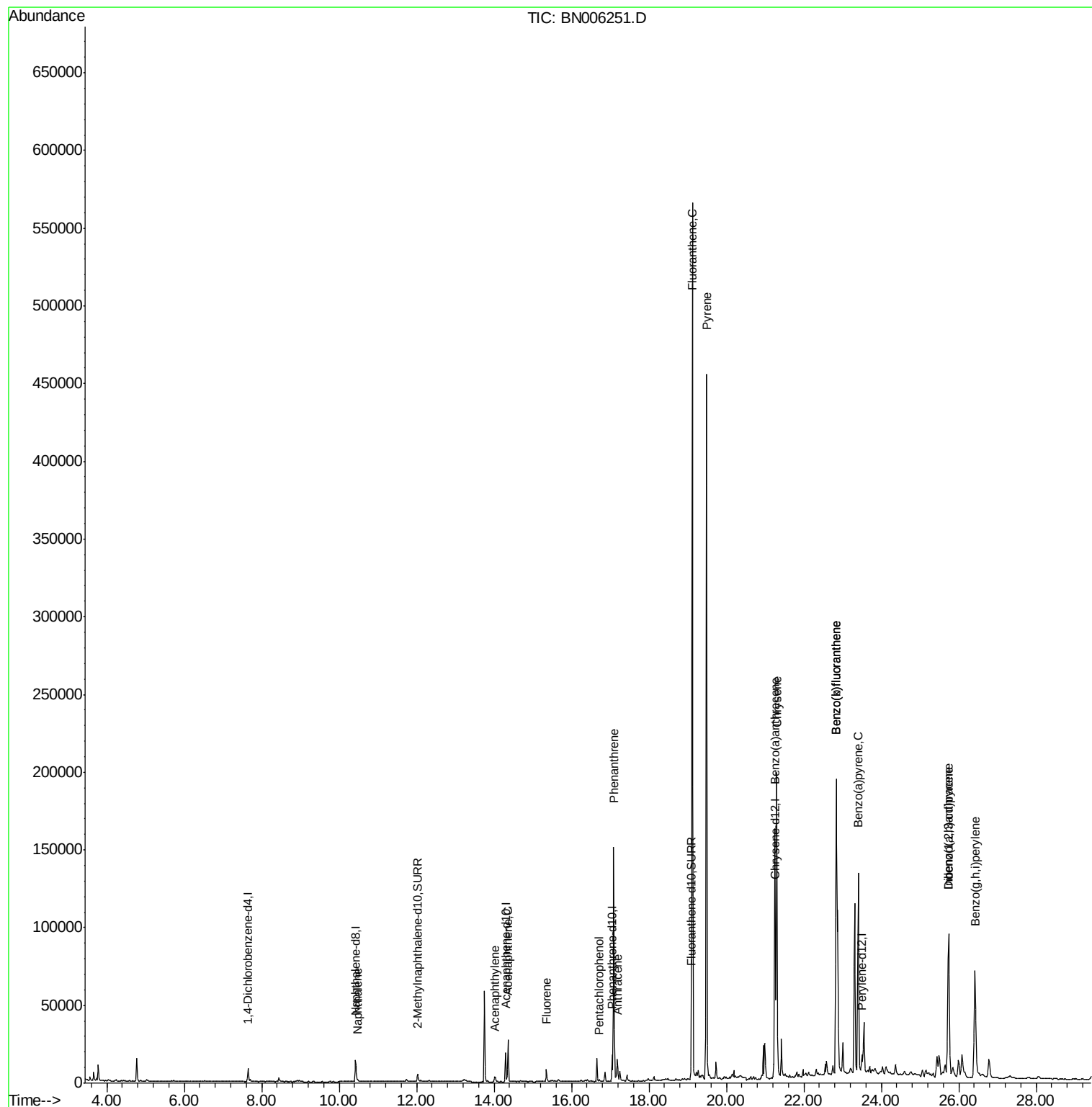
Target Compounds				Ovalue		
3) Naphthalene	10.47	128	1693	0.030	ng/ul#	83
7) Acenaphthylene	14.01	152	5061	0.086	ng/ul	94
8) Acenaphthene	14.36	153	16073	0.396	ng/ul	99
9) Fluorene	15.35	166	5724	0.121	ng/ul#	96
11) Pentachlorophenol	16.71	266	1322	0.262	ng/ul	93
12) Phenanthrene	17.09	178	158398	2.485	ng/ul	100
13) Anthracene	17.18	178	14584	0.240	ng/ul	98
15) Fluoranthene	19.12	202	461198	6.552	ng/ul	96
17) Pyrene	19.49	202	378868	5.374	ng/ul	100
18) Benzo(a)anthracene	21.25	228	136737	2.310	ng/ul	100
19) Chrysene	21.30	228	199576	3.591	ng/ul	98
21) Benzo(b)fluoranthene	22.83	252	392496	5.665	ng/ul	94
22) Benzo(k)fluoranthene	22.83	252	392496	5.816	ng/ul	97
23) Benzo(a)pyrene	23.40	252	170363	2.640	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	25.74	276	150378	2.153	ng/ul#	88
25) Dibenzo(a,h)anthracene	25.74	278	31697	0.568	ng/ul	99
26) Benzo(a,h,i)perylene	26.42	276	136279	2.330	ng/ul	95

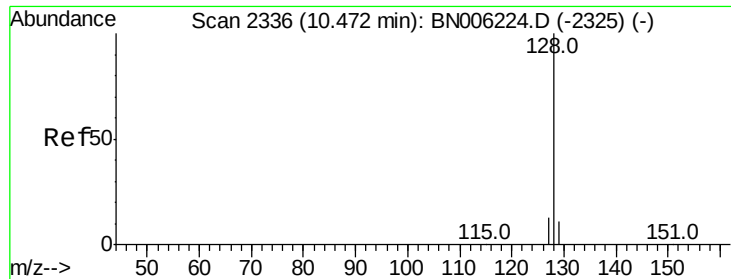
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.030 ng/ul

RT: 10.47 min Scan# 2336

Delta R.T. -0.00 min

Lab File: BN006251.D

Acq: 11 Jun 2019 18:03

Instrument :

BNA_N

ClientSampleId :

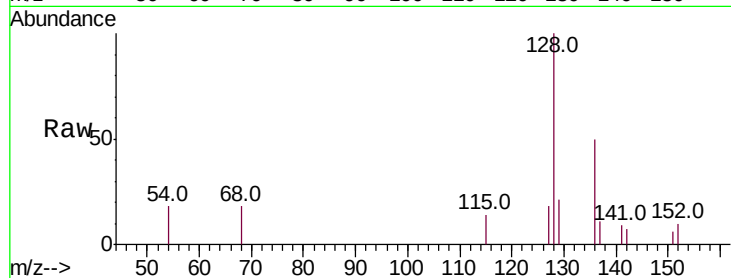
Tot Ion:128 Resp: 1693

Ion Ratio Lower Upper

128 100

129 21.0 9.3 13.9#

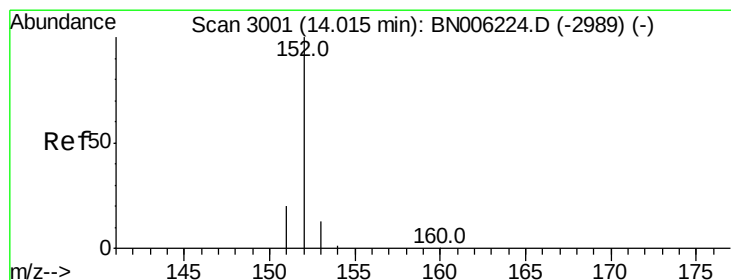
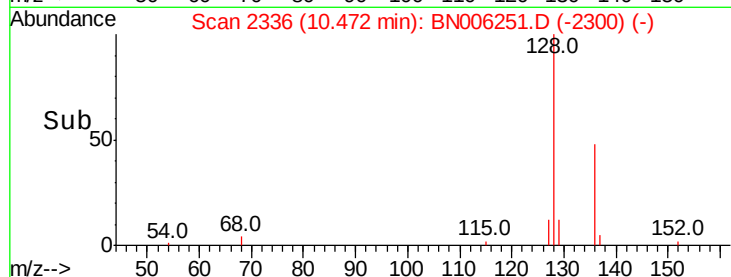
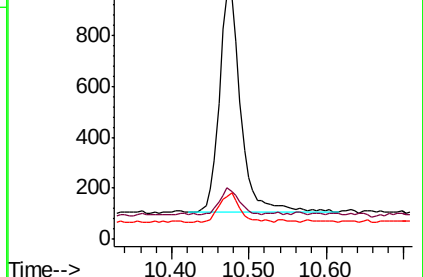
127 17.7 10.7 16.1#



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



#7

Acenaphthylene

Concen: 0.086 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN006251.D

Acq: 11 Jun 2019 18:03

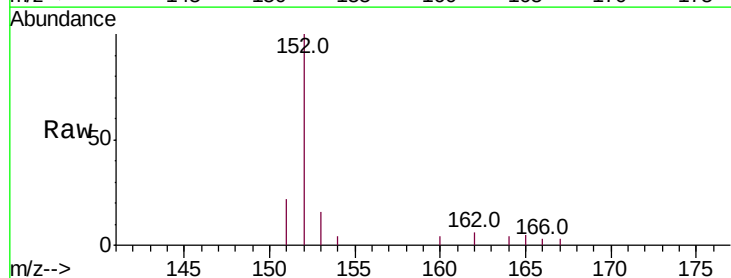
Tgt Ion:152 Resp: 5061

Ion Ratio Lower Upper

152 100

151 22.3 15.8 23.8

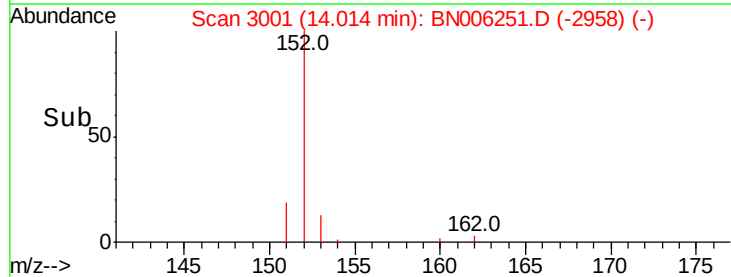
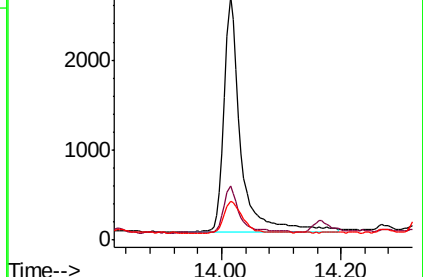
153 16.0 10.8 16.2

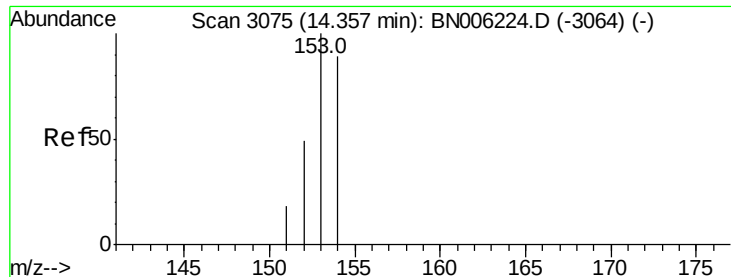


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.396 ng/ul

RT: 14.36 min Scan# 3075

Delta R.T. -0.00 min

Lab File: BN006251.D

Acq: 11 Jun 2019 18:03

Instrument :

BNA_N

ClientSampleId :

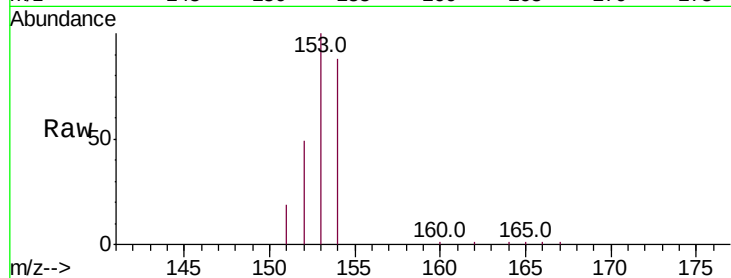
Tot Ion:153 Resp: 16073

Ion Ratio Lower Upper

153 100

152 49.4 39.1 58.7

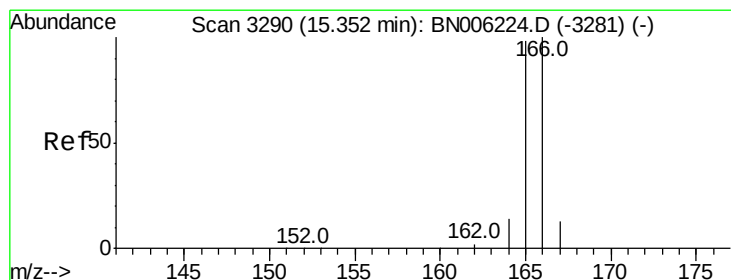
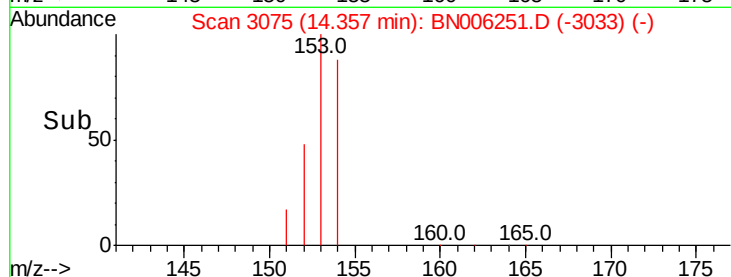
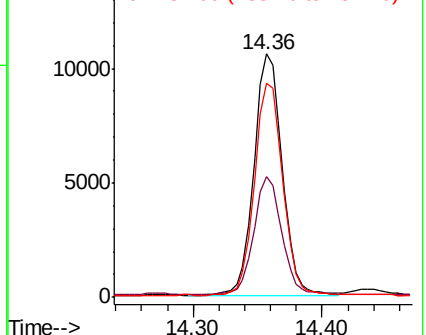
154 88.2 71.1 106.7



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: 0.121 ng/ul

RT: 15.35 min Scan# 3290

Delta R.T. -0.00 min

Lab File: BN006251.D

Acq: 11 Jun 2019 18:03

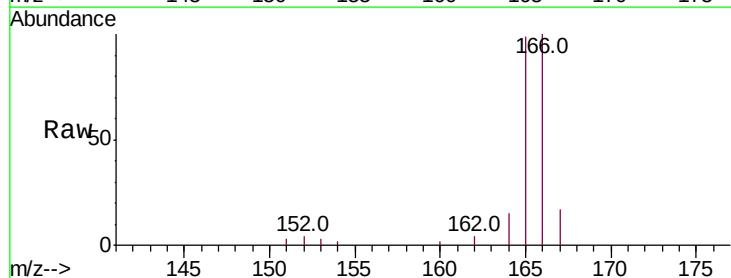
Tgt Ion:166 Resp: 5724

Ion Ratio Lower Upper

166 100

165 98.7 76.4 114.6

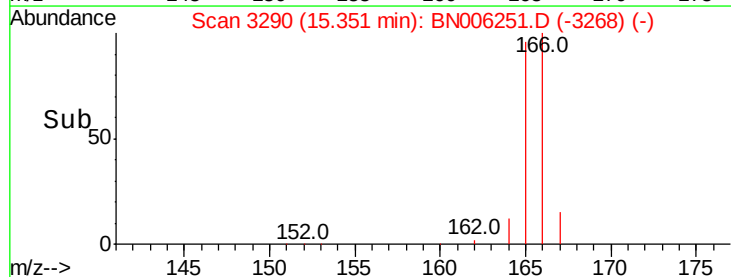
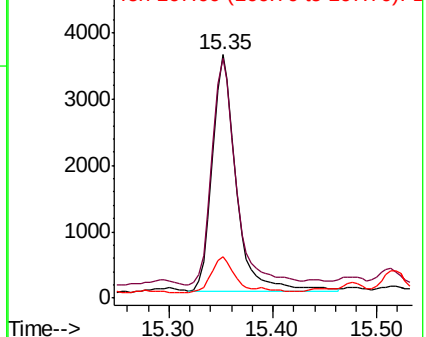
167 16.9 11.0 16.6#

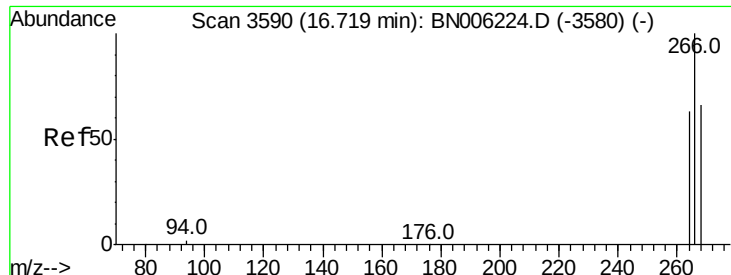


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#11

Pentachlorophenol

Concen: 0.262 ng/ul

RT: 16.71 min Scan# 3589

Delta R.T. -0.00 min

Lab File: BN006251.D

Acq: 11 Jun 2019 18:03

Instrument :

BNA_N

ClientSampleId :

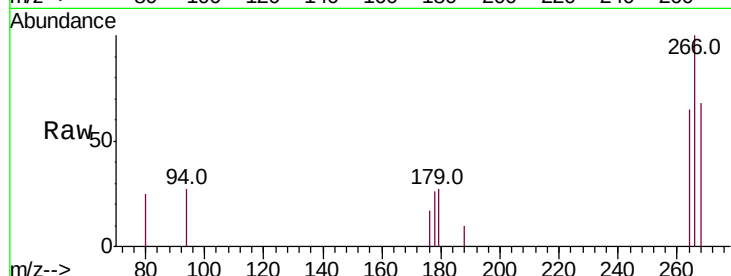
Tot Ion:266 Resp: 1322

Ion Ratio Lower Upper

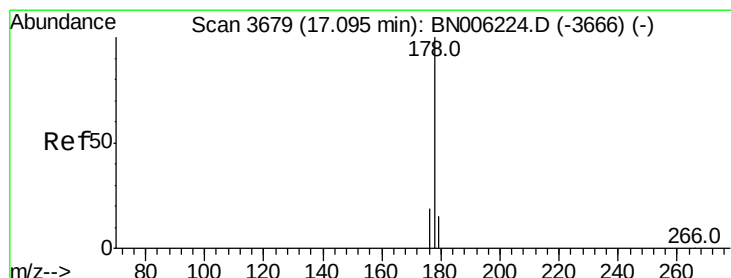
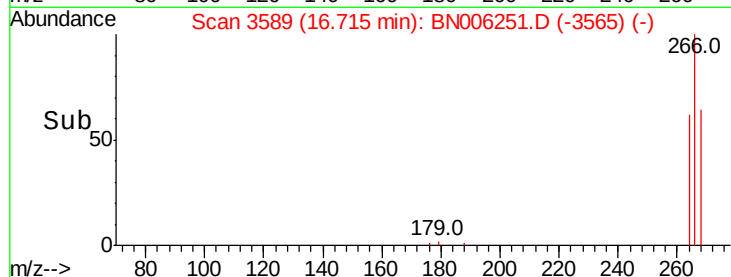
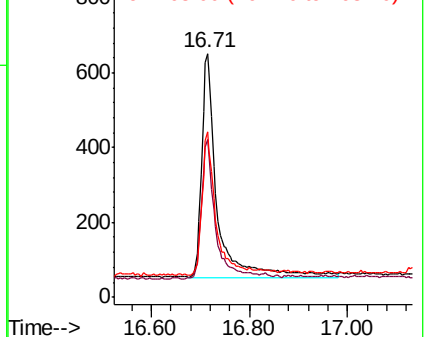
266 100

264 57.8 50.3 75.5

268 59.0 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: 2.485 ng/ul

RT: 17.09 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN006251.D

Acq: 11 Jun 2019 18:03

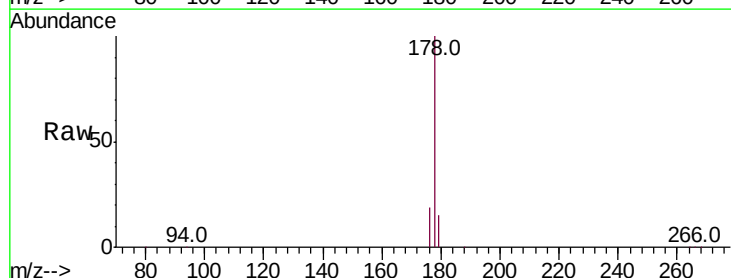
Tgt Ion:178 Resp: 158398

Ion Ratio Lower Upper

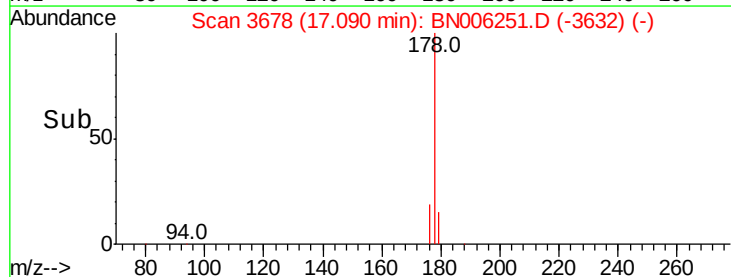
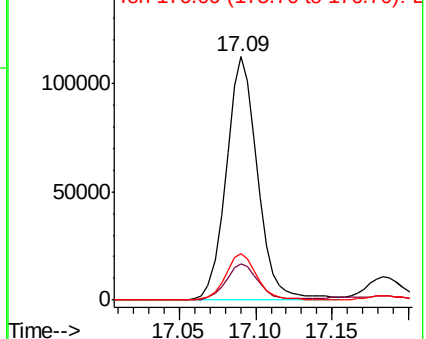
178 100

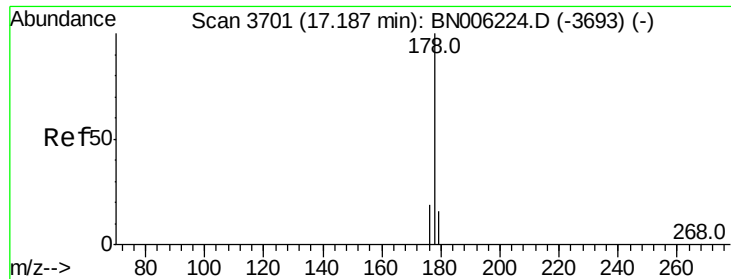
179 15.1 12.3 18.5

176 19.2 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

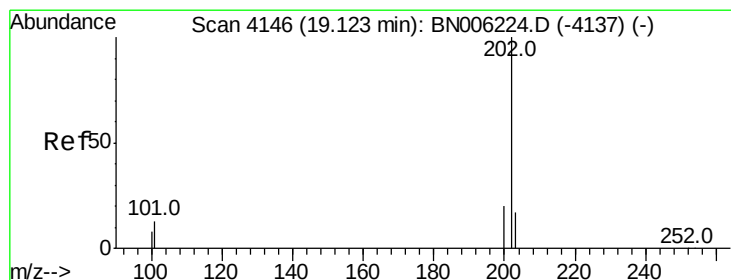
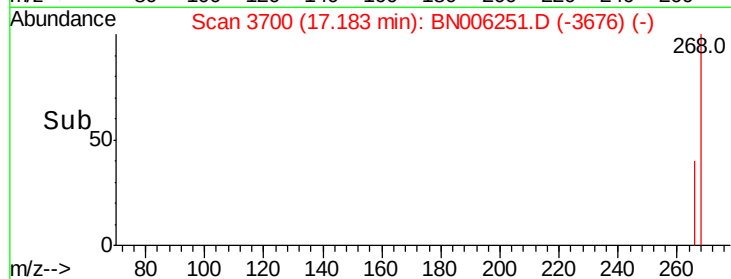
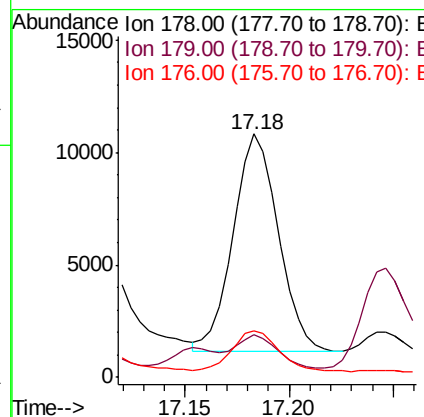
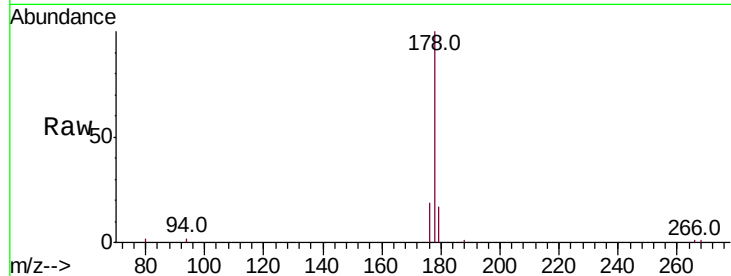




#13
 Anthracene
 Concen: 0.240 ng/ul
 RT: 17.18 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: BN006251.D
 Acq: 11 Jun 2019 18:03

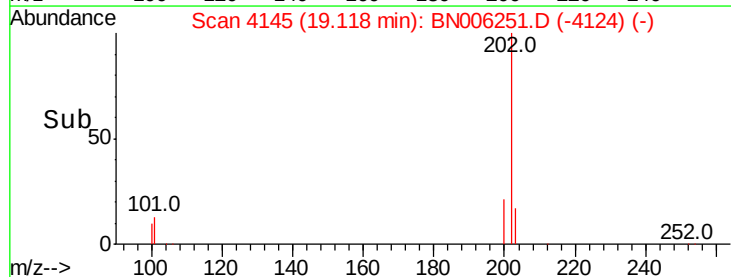
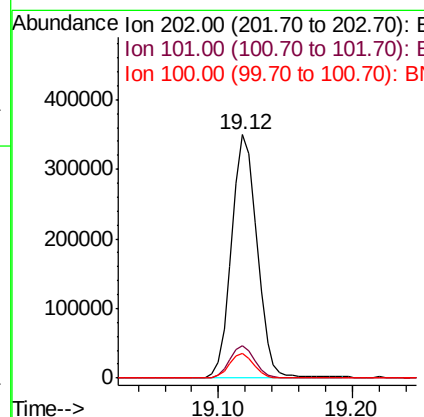
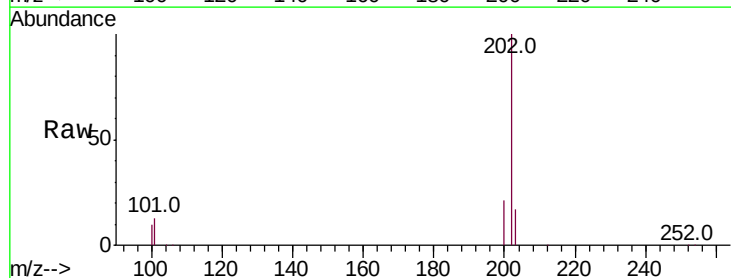
Instrument :
 BNA_N
 ClientSampled :

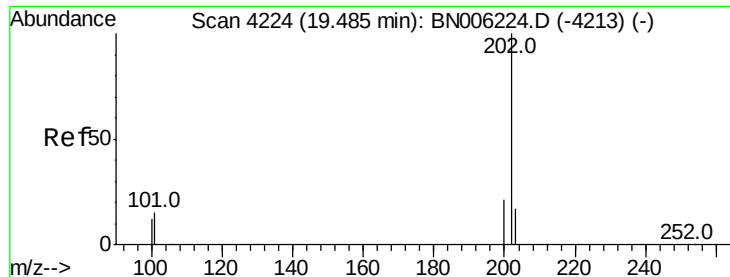
Tot Ion:178 Resp: 14584
 Ion Ratio Lower Upper
 178 100
 179 17.4 12.2 18.4
 176 19.0 15.1 22.7



#15
 Fluoranthene
 Concen: 6.552 ng/ul
 RT: 19.12 min Scan# 4145
 Delta R.T. -0.00 min
 Lab File: BN006251.D
 Acq: 11 Jun 2019 18:03

Tgt Ion:202 Resp: 461198
 Ion Ratio Lower Upper
 202 100
 101 13.5 0.0 32.1
 100 10.0 0.0 28.7

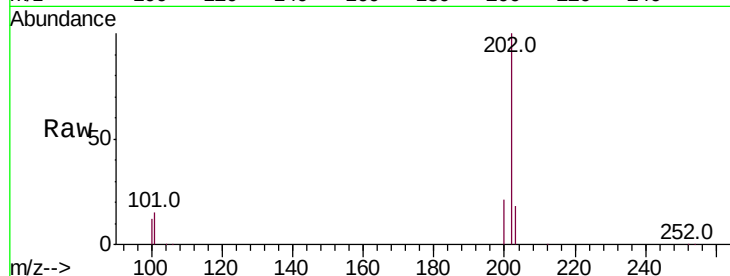




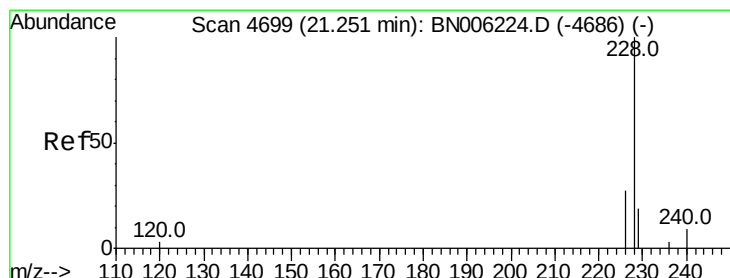
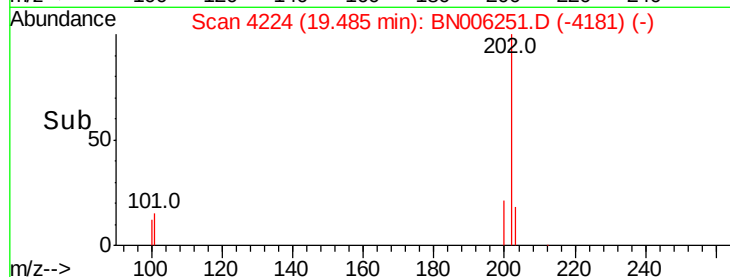
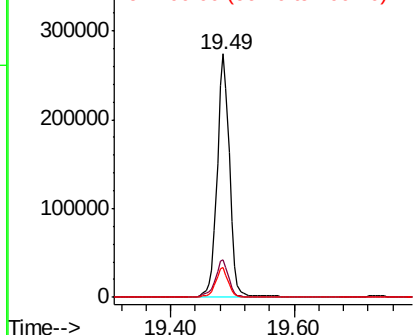
#17
 Pvrene
 Concen: 5.374 ng/ul
 RT: 19.49 min Scan# 4224
 Delta R.T. -0.00 min
 Lab File: BN006251.D
 Acq: 11 Jun 2019 18:03

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:202 Resp: 378868
 Ion Ratio Lower Upper
 202 100
 101 15.2 12.2 18.2
 100 12.0 9.8 14.6

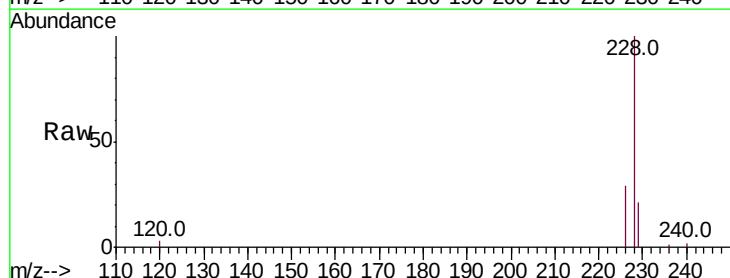


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

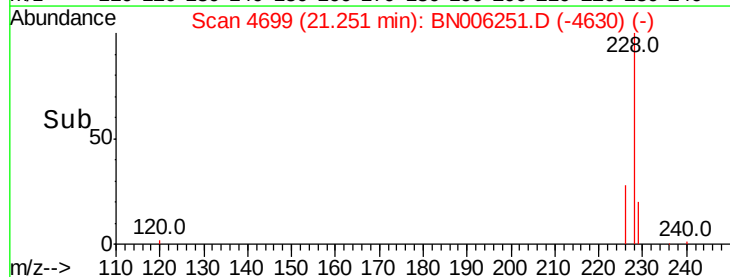
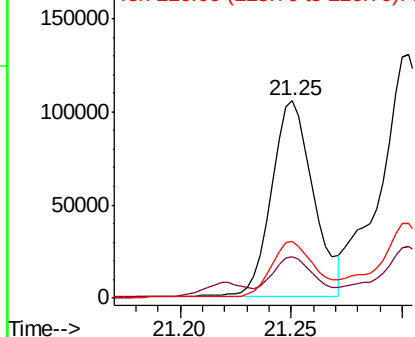


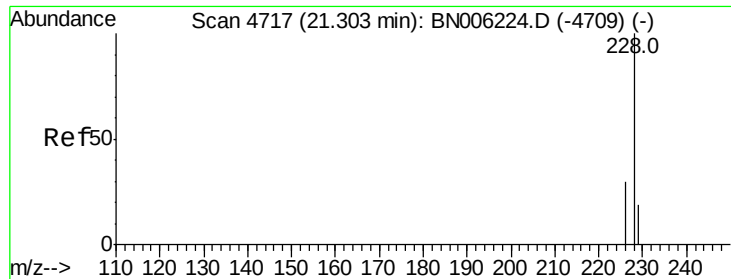
#18
 Benzo(a)anthracene
 Concen: 2.310 ng/ul
 RT: 21.25 min Scan# 4699
 Delta R.T. 0.00 min
 Lab File: BN006251.D
 Acq: 11 Jun 2019 18:03

Tgt Ion:228 Resp: 136737
 Ion Ratio Lower Upper
 228 100
 229 20.8 16.5 24.7
 226 28.6 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: 3.591 ng/ul

RT: 21.30 min Scan# 4717

Delta R.T. 0.00 min

Lab File: BN006251.D

Acq: 11 Jun 2019 18:03

Instrument :

BNA_N

ClientSampleId :

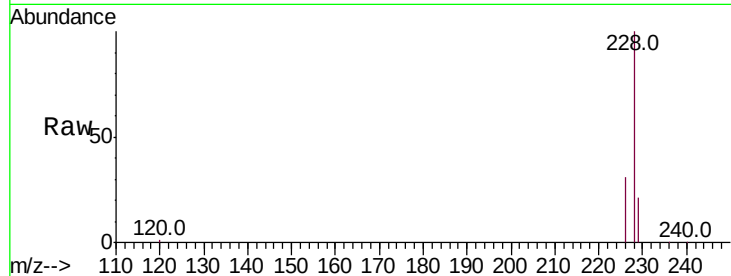
Tot Ion:228 Resp: 199576

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

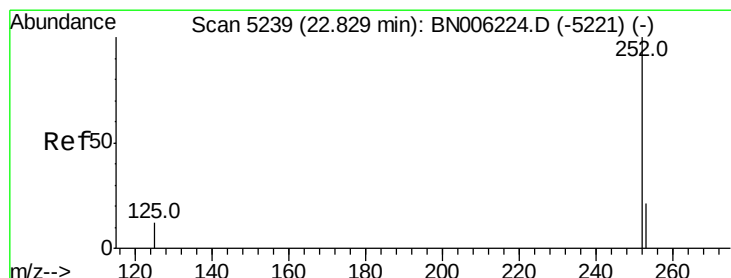
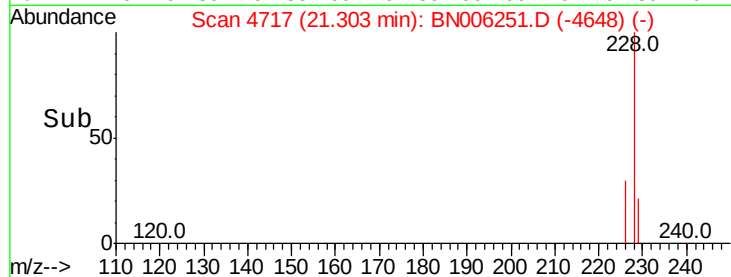
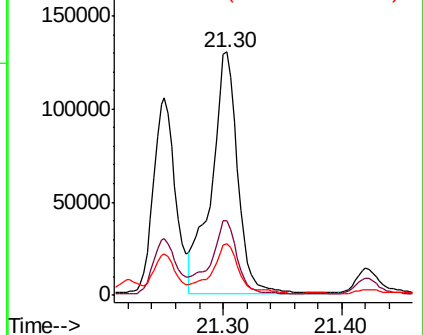
229 21.4 16.3 24.5



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: 5.665 ng/ul

RT: 22.83 min Scan# 5240

Delta R.T. 0.01 min

Lab File: BN006251.D

Acq: 11 Jun 2019 18:03

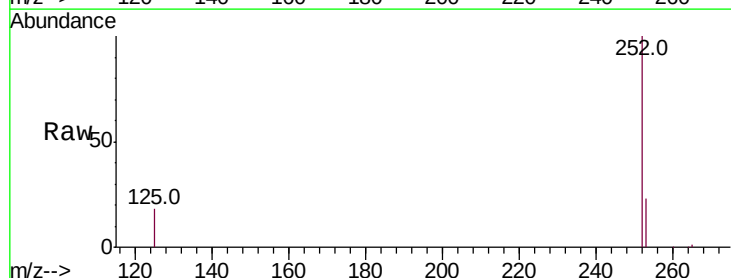
Tgt Ion:252 Resp: 392496

Ion Ratio Lower Upper

252 100

253 22.9 0.0 51.4

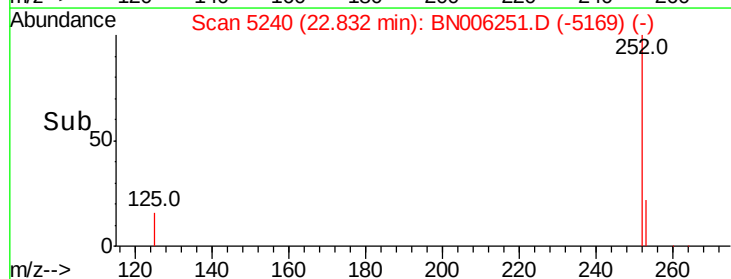
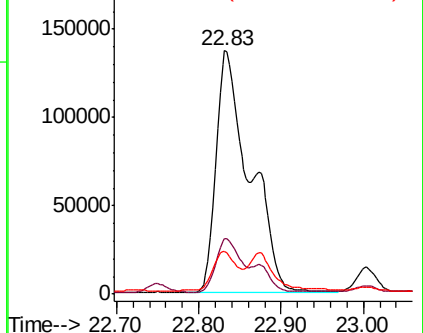
125 17.5 0.0 41.0

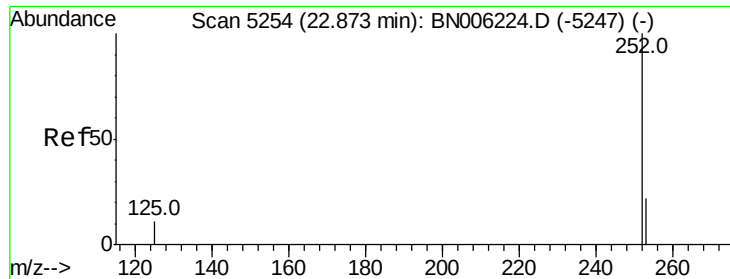


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 5.816 ng/ul

RT: 22.83 min Scan# 5240

Delta R.T. -0.04 min

Lab File: BN006251.D

Acq: 11 Jun 2019 18:03

Instrument :

BNA_N

ClientSampleId :

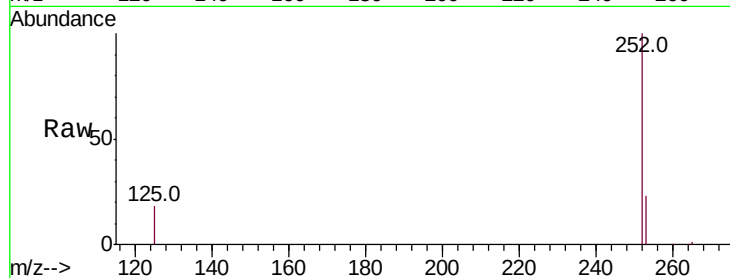
Tot Ion:252 Resp: 392496

Ion Ratio Lower Upper

252 100

253 22.9 20.3 30.5

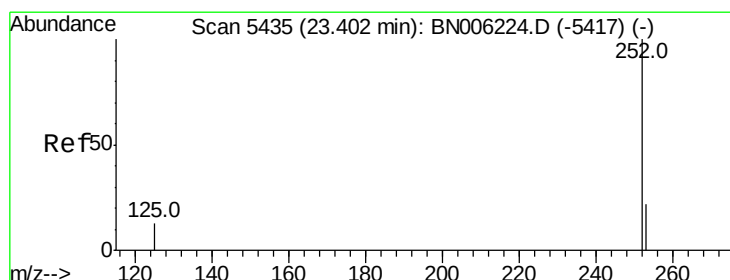
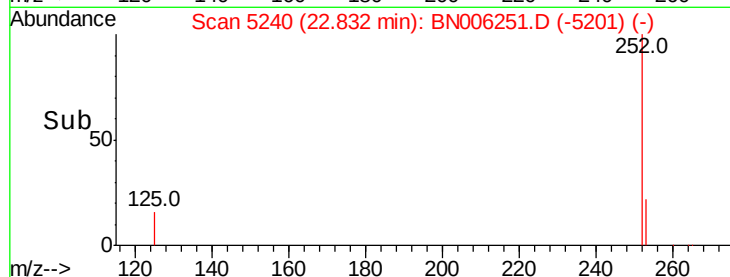
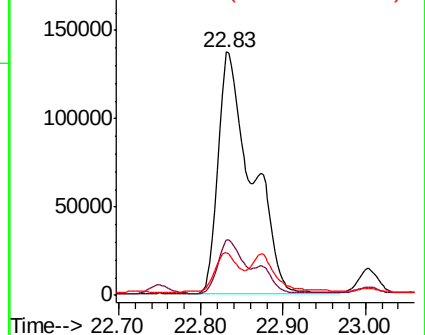
125 17.5 14.3 21.5



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: 2.640 ng/ul

RT: 23.40 min Scan# 5435

Delta R.T. 0.01 min

Lab File: BN006251.D

Acq: 11 Jun 2019 18:03

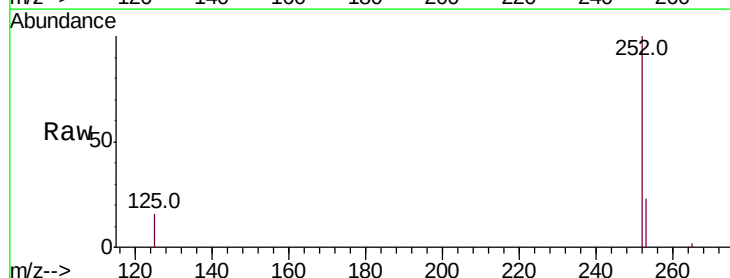
Tgt Ion:252 Resp: 170363

Ion Ratio Lower Upper

252 100

253 23.1 21.1 31.7

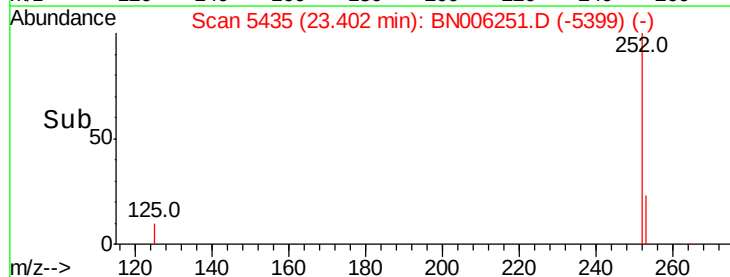
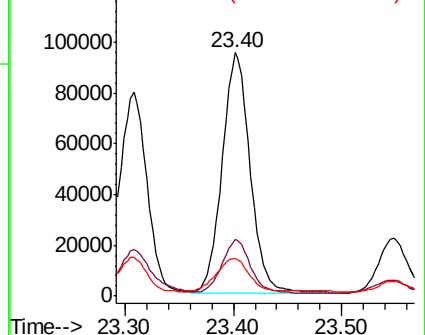
125 15.6 20.3 30.5#

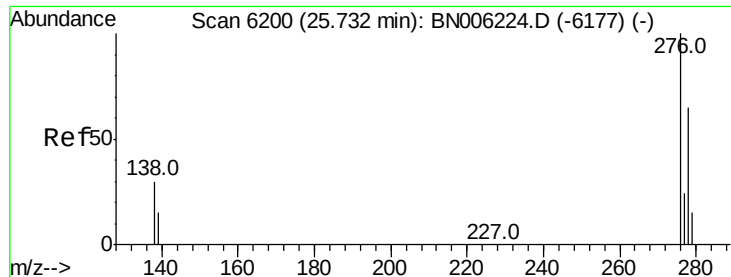


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

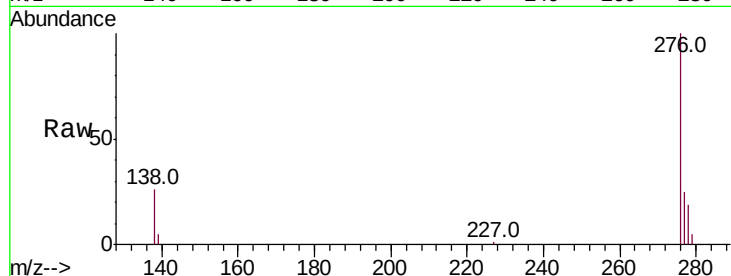




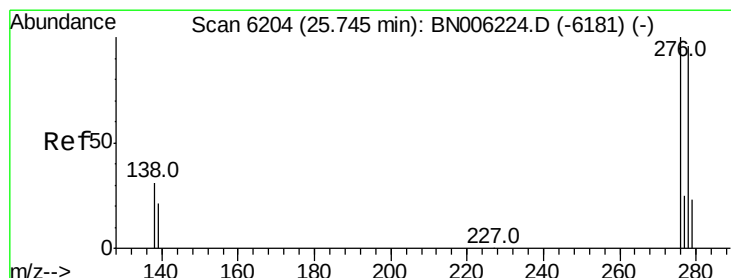
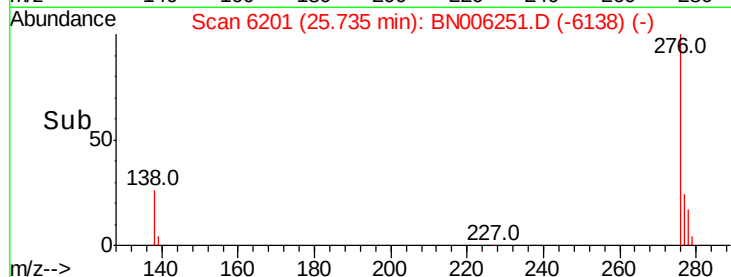
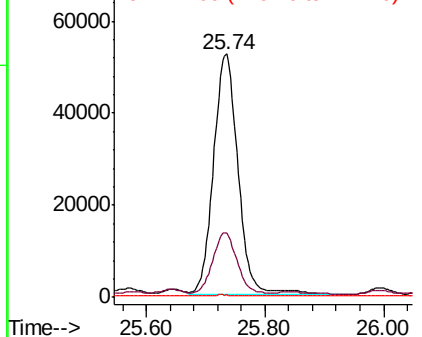
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 2.153 ng/ul
 RT: 25.74 min Scan# 6201
 Delta R.T. 0.01 min
 Lab File: BN006251.D
 Acq: 11 Jun 2019 18:03

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 150378
 Ion Ratio Lower Upper
 276 100
 138 25.0 25.6 38.4#
 227 0.4 0.3 0.5

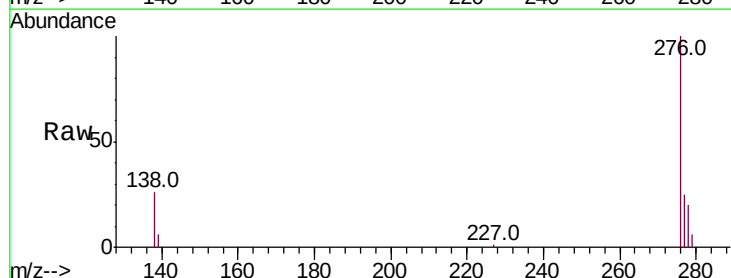


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 227.00 (226.70 to 227.70): E

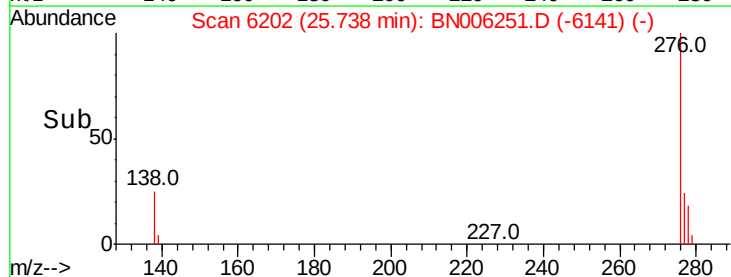
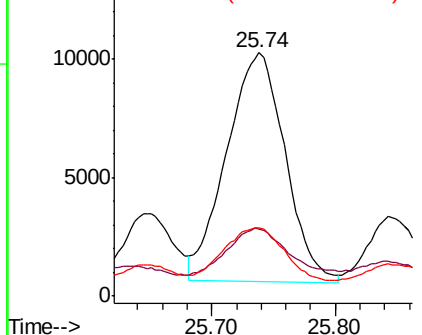


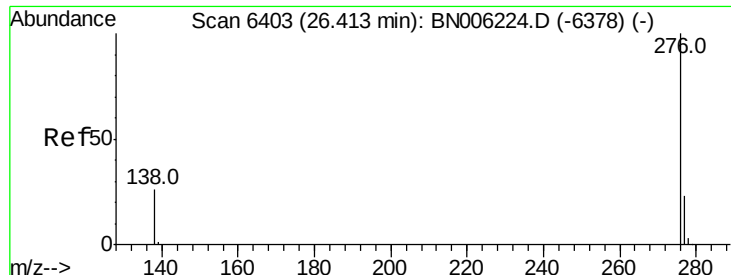
#25
 Dibenzo(a,h)anthracene
 Concen: 0.568 ng/ul
 RT: 25.74 min Scan# 6202
 Delta R.T. 0.00 min
 Lab File: BN006251.D
 Acq: 11 Jun 2019 18:03

Tgt Ion:278 Resp: 31697
 Ion Ratio Lower Upper
 278 100
 139 27.6 21.2 31.8
 279 28.3 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(a,h,i)perylene

Concen: 2.330 ng/ul

RT: 26.42 min Scan# 6404

Delta R.T. 0.01 min

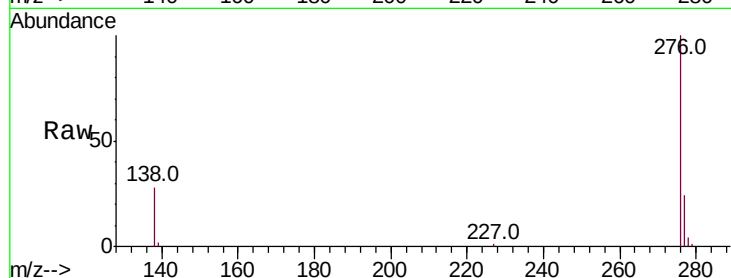
Lab File: BN006251.D

Acq: 11 Jun 2019 18:03

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 136279

Ion Ratio Lower Upper

276 100

138 27.6 24.2 36.4

277 24.1 21.5 32.3

