

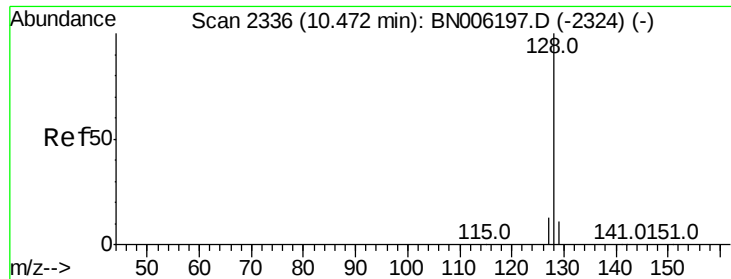
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
 Data File : BN006222.D
 Acq On : 10 Jun 2019 14:50
 Operator : JU/SJ
 Sample : K3016-16DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jun 11 00:18:32 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	4222	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	15832	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	7947	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	16189	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	12936	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	16588	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	842	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	1705	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.47	128	1698	0.039	ng/ul#	86
7) Acenaphthylene	14.01	152	12960	0.293	ng/ul	100
9) Fluorene	15.35	166	1076	0.030	ng/ul#	90
12) Phenanthrene	17.09	178	25696	0.494	ng/ul	100
13) Anthracene	17.18	178	8284	0.167	ng/ul	97
15) Fluoranthene	19.12	202	53163	0.926	ng/ul	96
17) Pyrene	19.49	202	49660	0.729	ng/ul	99
18) Benzo(a)anthracene	21.25	228	14158	0.247	ng/ul	95
19) Chrysene	21.30	228	26894	0.501	ng/ul	98
21) Benzo(b)fluoranthene	22.83	252	50611	0.732	ng/ul	95
22) Benzo(k)fluoranthene	22.83	252	50693	0.752	ng/ul	98
23) Benzo(a)pyrene	23.39	252	20908	0.325	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.73	276	17846	0.256	ng/ul#	88
25) Dibenzo(a,h)anthracene	25.73	278	4008	0.072	ng/ul#	85
26) Benzo(g,h,i)perylene	26.41	276	15520	0.266	ng/ul	98

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



#3

Naphthalene

Concen: 0.039 ng/ul

RT: 10.47 min Scan# 2336

Delta R.T. -0.00 min

Lab File: BN006222.D

Acq: 10 Jun 2019 14:50

Instrument :

BNA_N

ClientSampleId :

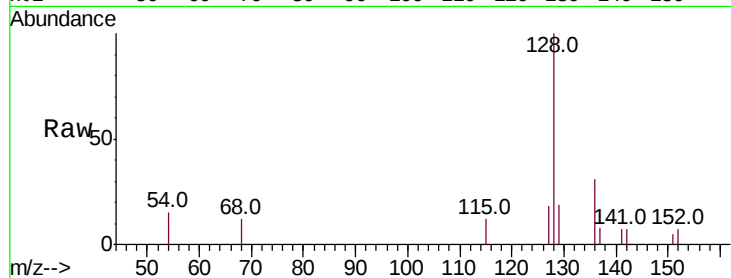
Tot Ion:128 Resp: 1698

Ion Ratio Lower Upper

128 100

129 19.0 9.3 13.9#

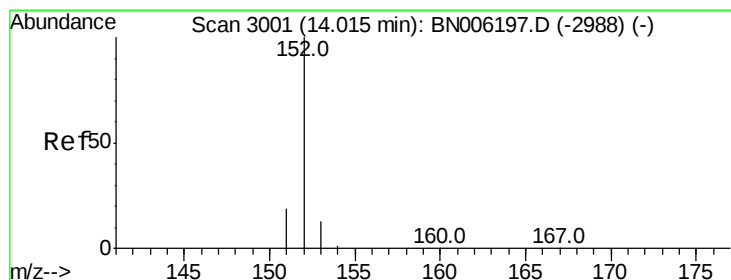
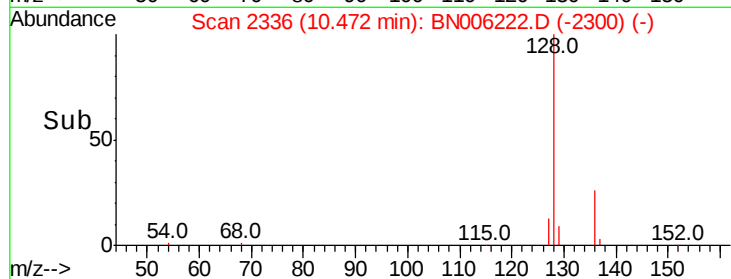
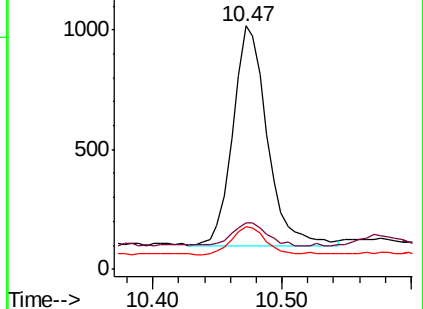
127 17.5 10.7 16.1#



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



#7

Acenaphthylene

Concen: 0.293 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN006222.D

Acq: 10 Jun 2019 14:50

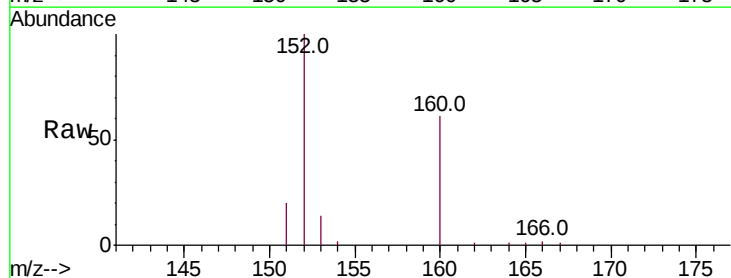
Tgt Ion:152 Resp: 12960

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.8

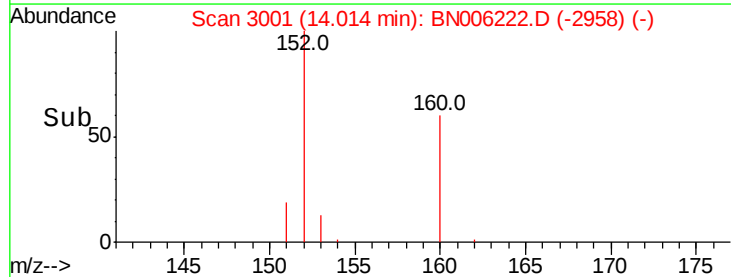
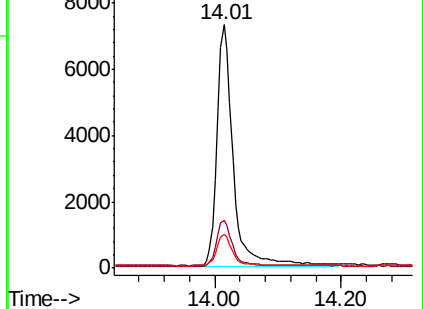
153 13.8 10.8 16.2

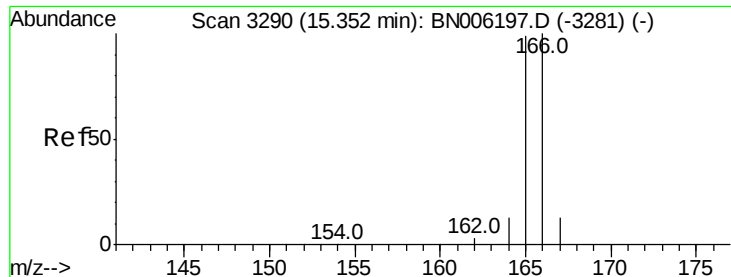


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

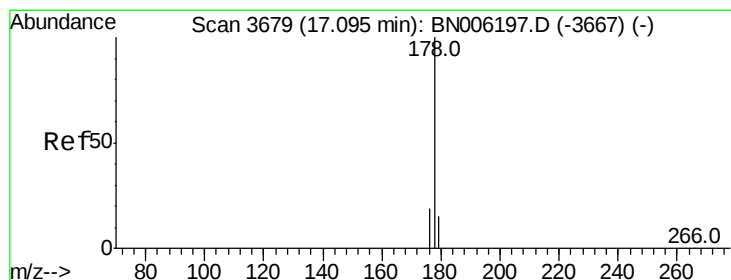
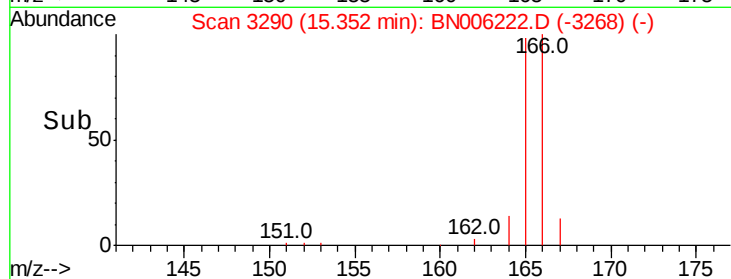
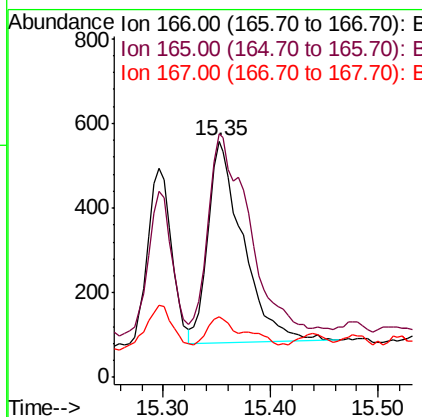
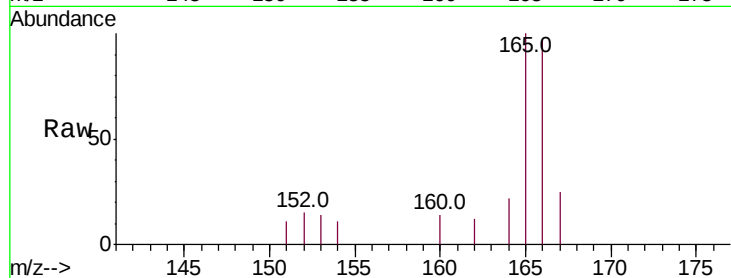




#9
Fluorene
 Concen: 0.030 ng/ul
 RT: 15.35 min Scan# 3290
 Delta R.T. -0.00 min
 Lab File: BN006222.D
 Acq: 10 Jun 2019 14:50

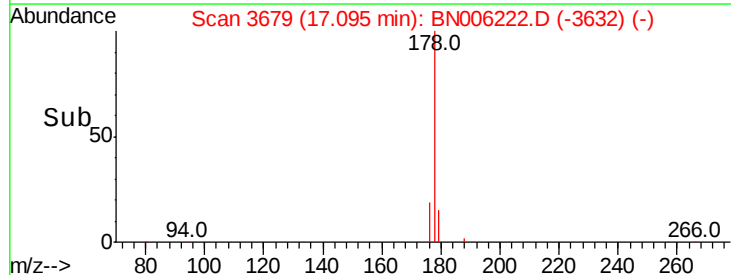
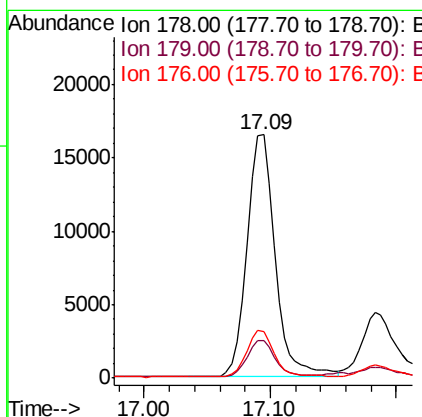
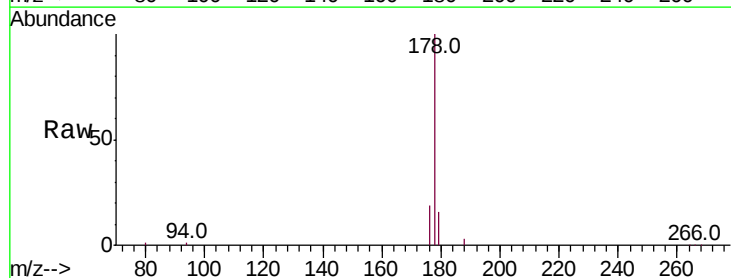
Instrument :
 BNA_N
 ClientSampleId :

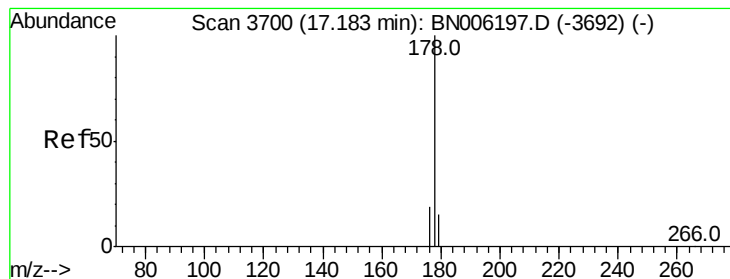
Tot Ion:166 Resp: 1076
 Ion Ratio Lower Upper
 166 100
 165 103.0 76.4 114.6
 167 25.4 11.0 16.6#



#12
Phenanthrene
 Concen: 0.494 ng/ul
 RT: 17.09 min Scan# 3679
 Delta R.T. -0.00 min
 Lab File: BN006222.D
 Acq: 10 Jun 2019 14:50

Tgt Ion:178 Resp: 25696
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.3 18.5
 176 19.1 15.3 22.9





#13

Anthracene

Concen: 0.167 ng/ul

RT: 17.18 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BN006222.D

Acq: 10 Jun 2019 14:50

Instrument :

BNA_N

ClientSampleId :

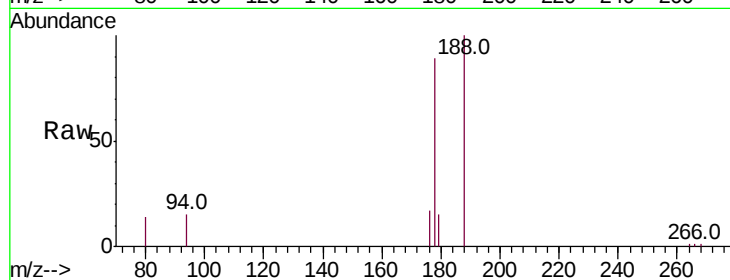
Tot Ion:178 Resp: 8284

Ion Ratio Lower Upper

178 100

179 17.2 12.2 18.4

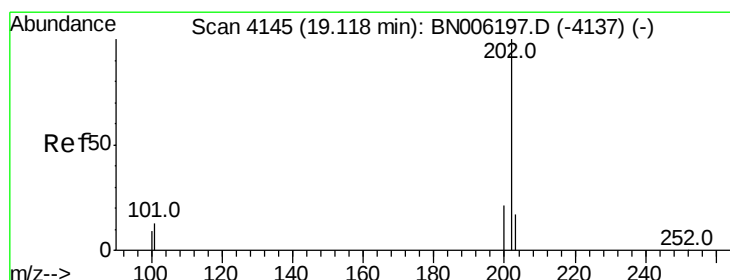
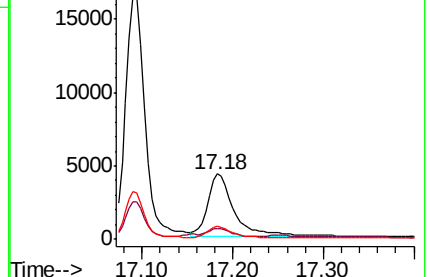
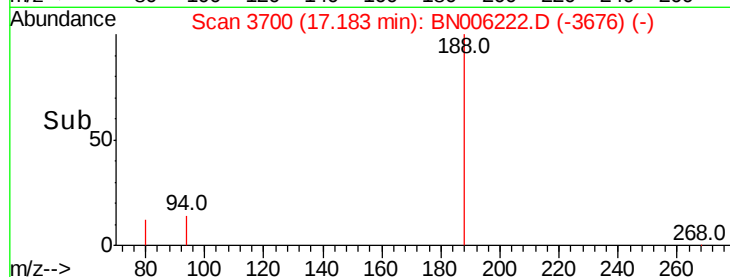
176 19.5 15.1 22.7



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: 0.926 ng/ul

RT: 19.12 min Scan# 4145

Delta R.T. -0.00 min

Lab File: BN006222.D

Acq: 10 Jun 2019 14:50

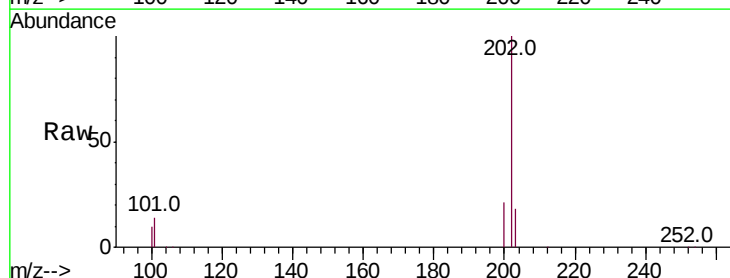
Tgt Ion:202 Resp: 53163

Ion Ratio Lower Upper

202 100

101 13.8 0.0 32.1

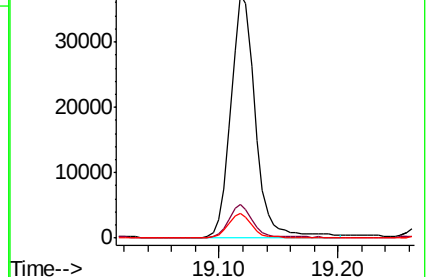
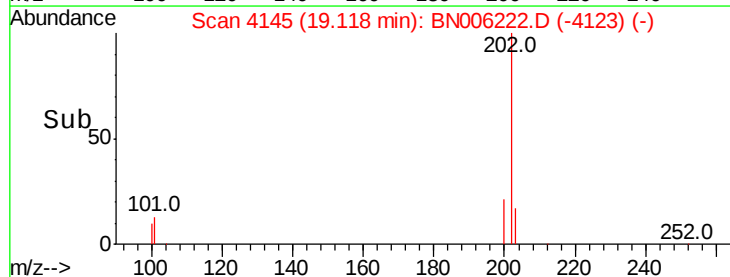
100 10.2 0.0 28.7

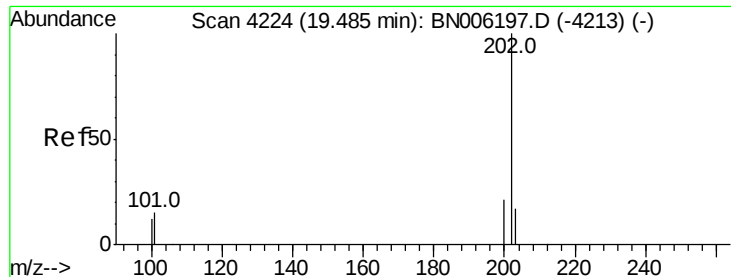


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

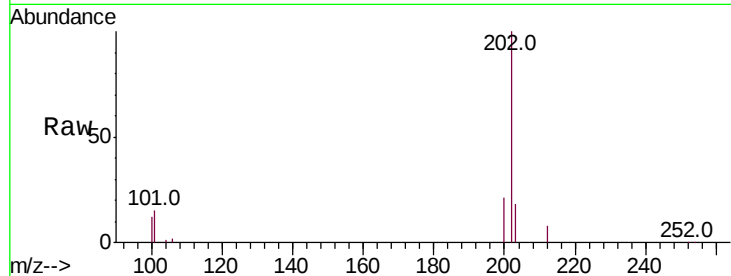




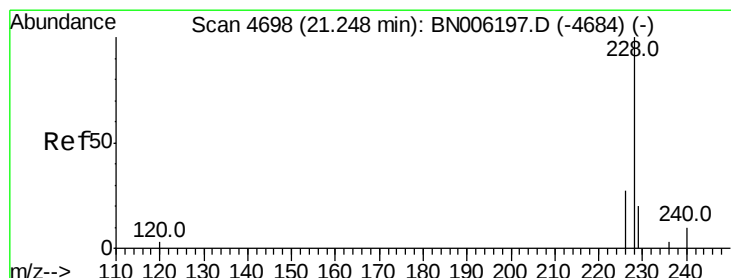
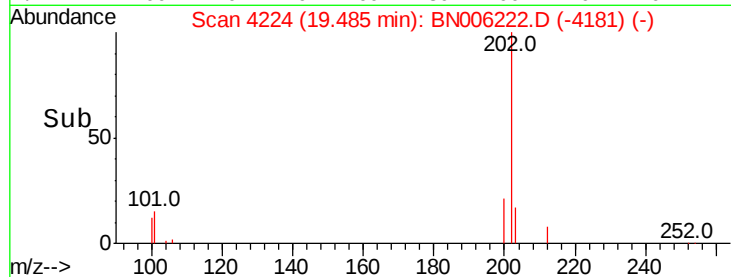
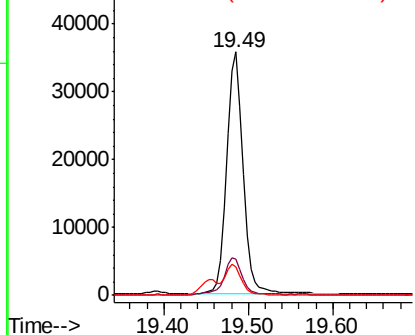
#17
Pvrene
Concen: 0.729 ng/ul
RT: 19.49 min Scan# 4224
Delta R.T. -0.00 min
Lab File: BN006222.D
Acq: 10 Jun 2019 14:50

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 49660
Ion Ratio Lower Upper
202 100
101 15.0 12.2 18.2
100 11.7 9.8 14.6

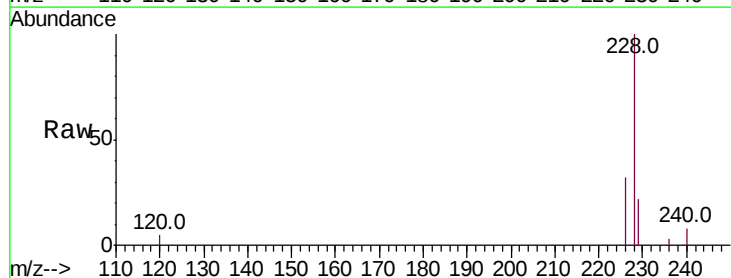


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

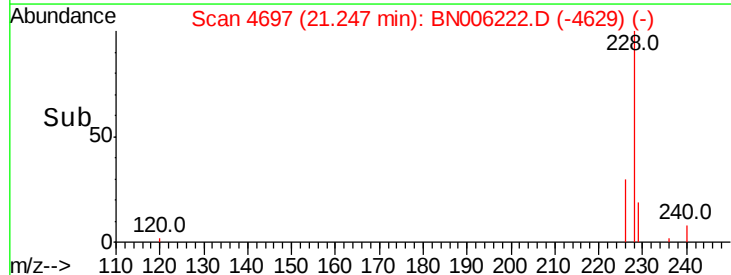
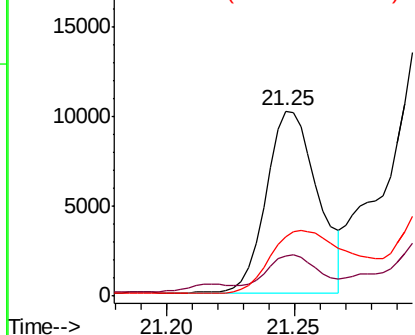


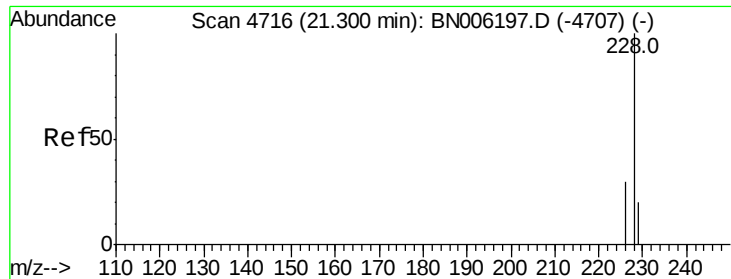
#18
Benzo(a)anthracene
Concen: 0.247 ng/ul
RT: 21.25 min Scan# 4697
Delta R.T. -0.00 min
Lab File: BN006222.D
Acq: 10 Jun 2019 14:50

Tgt Ion:228 Resp: 14158
Ion Ratio Lower Upper
228 100
229 21.8 16.5 24.7
226 32.1 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: 0.501 ng/ul

RT: 21.30 min Scan# 4716

Delta R.T. 0.00 min

Lab File: BN006222.D

Acq: 10 Jun 2019 14:50

Instrument :

BNA_N

ClientSampleId :

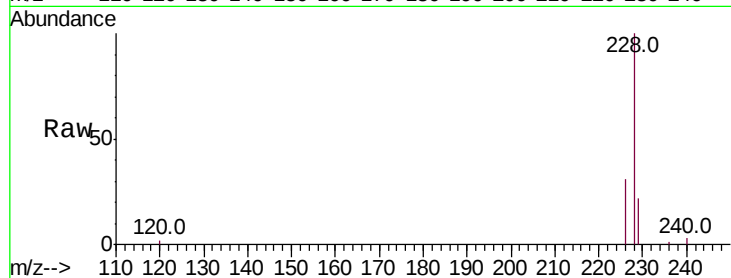
Tot Ion:228 Resp: 26894

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

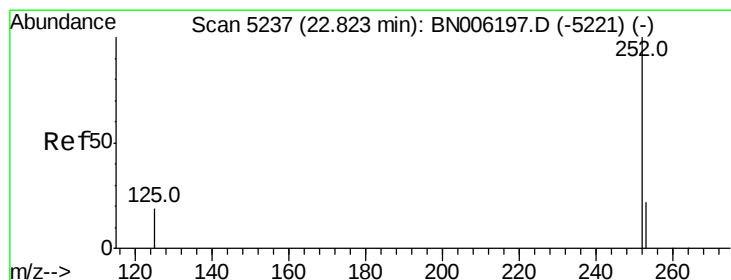
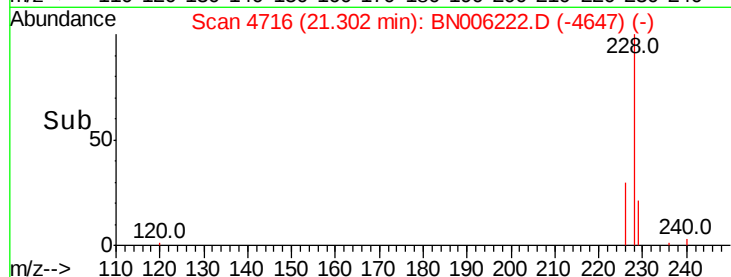
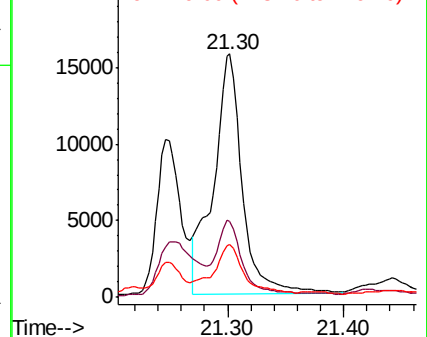
229 21.9 16.3 24.5



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: 0.732 ng/ul

RT: 22.83 min Scan# 5239

Delta R.T. 0.01 min

Lab File: BN006222.D

Acq: 10 Jun 2019 14:50

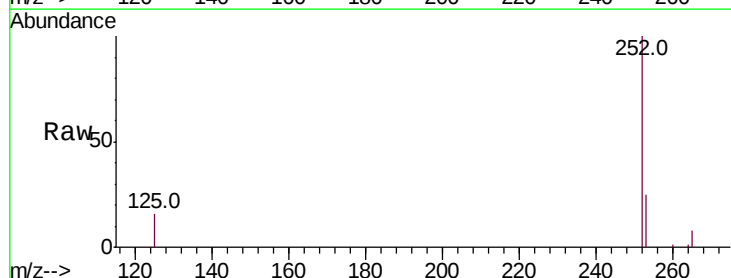
Tgt Ion:252 Resp: 50611

Ion Ratio Lower Upper

252 100

253 24.8 0.0 51.4

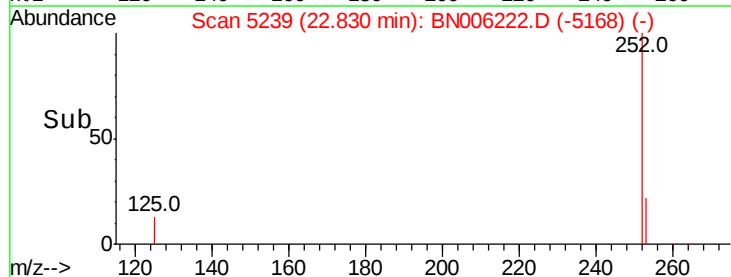
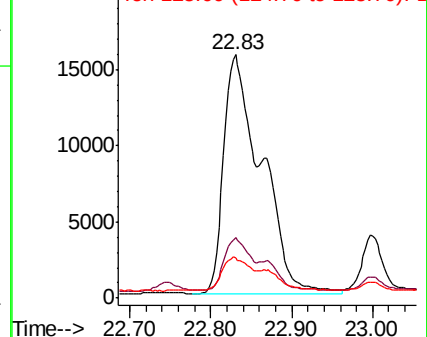
125 16.4 0.0 41.0

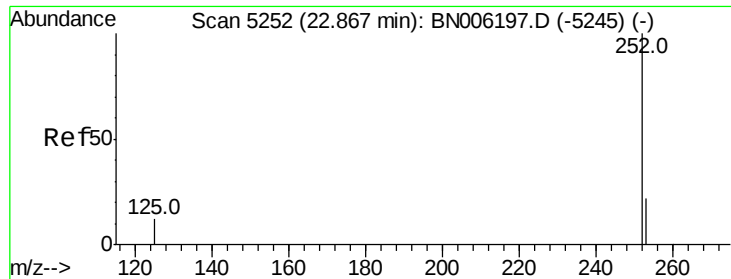


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.752 ng/ul

RT: 22.83 min Scan# 5239

Delta R.T. -0.04 min

Lab File: BN006222.D

Acq: 10 Jun 2019 14:50

Instrument :

BNA_N

ClientSampleId :

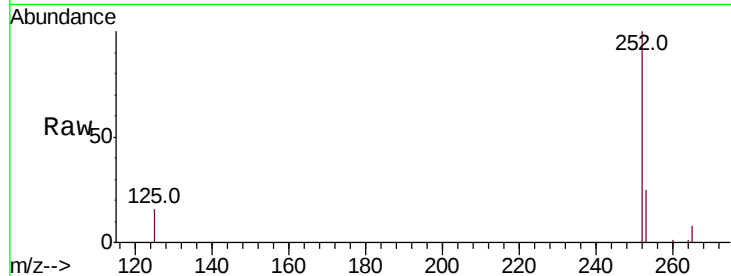
Tot Ion:252 Resp: 50693

Ion Ratio Lower Upper

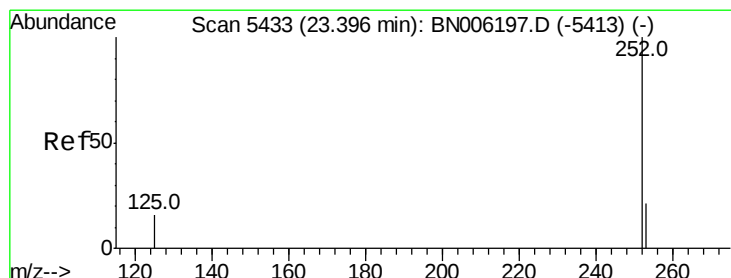
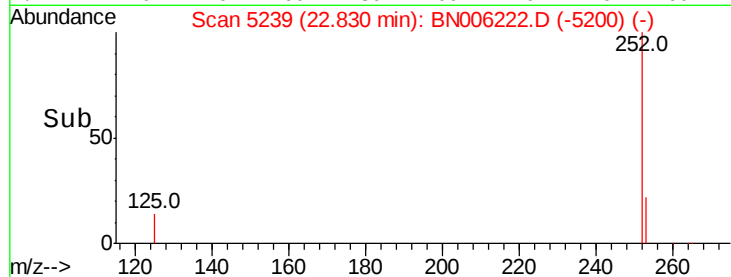
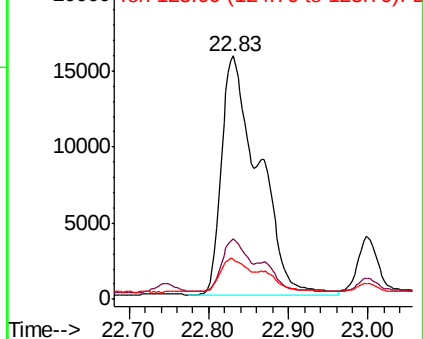
252 100

253 24.8 20.3 30.5

125 16.4 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: 0.325 ng/ul

RT: 23.39 min Scan# 5432

Delta R.T. -0.00 min

Lab File: BN006222.D

Acq: 10 Jun 2019 14:50

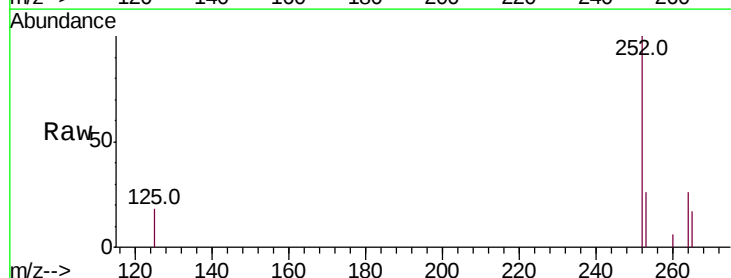
Tgt Ion:252 Resp: 20908

Ion Ratio Lower Upper

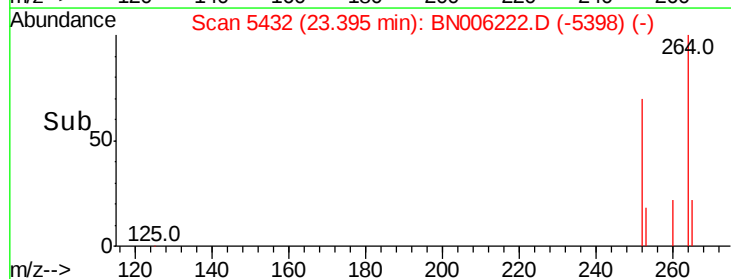
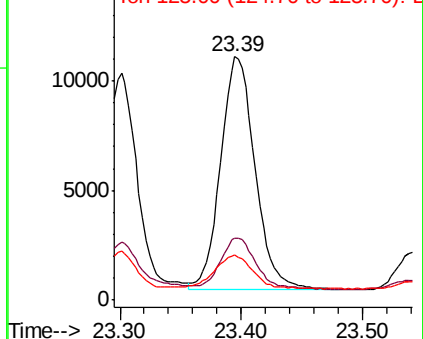
252 100

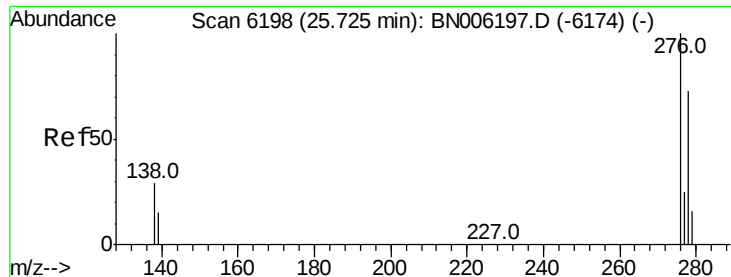
253 25.6 21.1 31.7

125 18.4 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



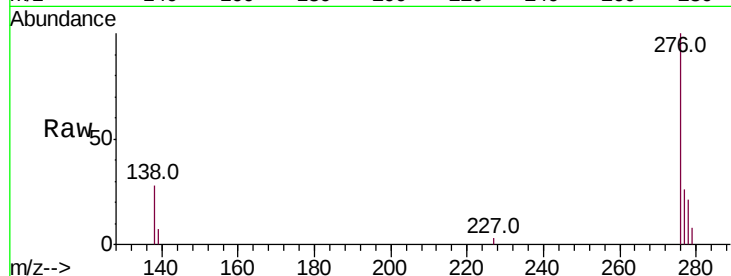


#24

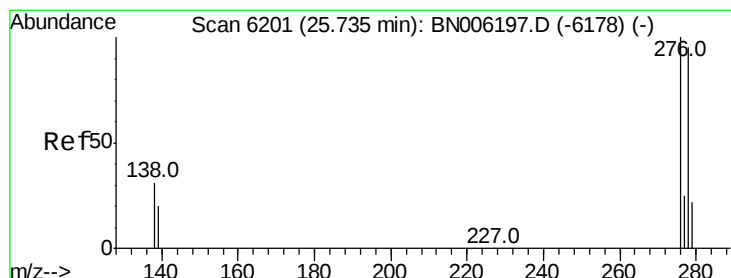
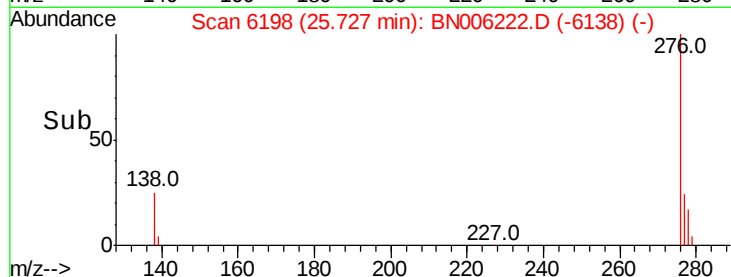
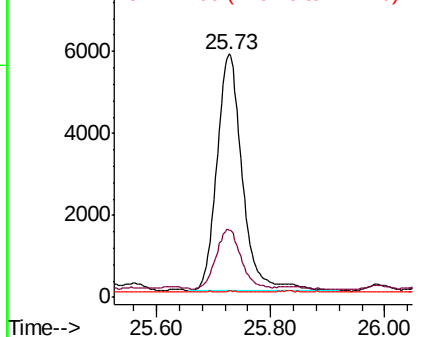
Indeno(1,2,3-cd)pyrene
Concen: 0.256 ng/ul
RT: 25.73 min Scan# 6198
Delta R.T. 0.00 min
Lab File: BN006222.D
Acq: 10 Jun 2019 14:50

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 17846
Ion Ratio Lower Upper
276 100
138 25.1 25.6 38.4#
227 0.1 0.3 0.5#



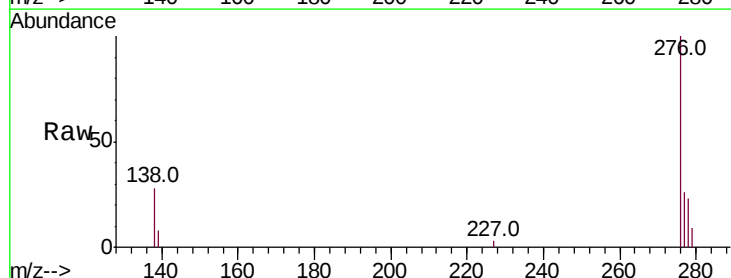
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



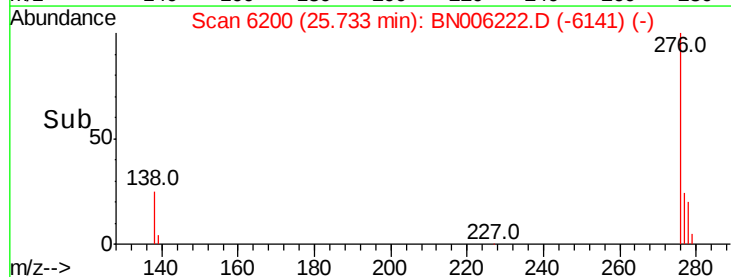
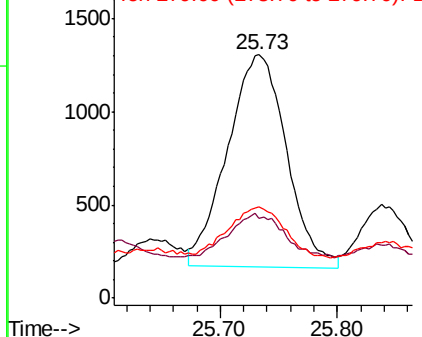
#25

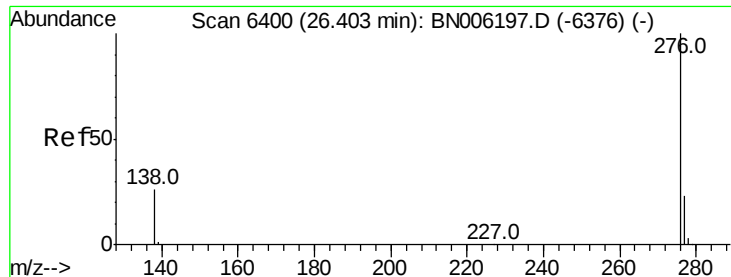
Dibenzo(a,h)anthracene
Concen: 0.072 ng/ul
RT: 25.73 min Scan# 6200
Delta R.T. -0.00 min
Lab File: BN006222.D
Acq: 10 Jun 2019 14:50

Tgt Ion:278 Resp: 4008
Ion Ratio Lower Upper
278 100
139 32.9 21.2 31.8#
279 37.5 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: 0.266 ng/ul

RT: 26.41 min Scan# 6402

Delta R.T. 0.01 min

Lab File: BN006222.D

Acq: 10 Jun 2019 14:50

Instrument :

BNA_N

ClientSampleId :

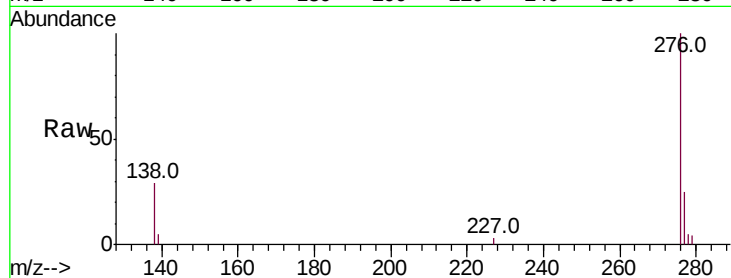
Tot Ion:276 Resp: 15520

Ion Ratio Lower Upper

276 100

138 29.5 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

