

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\
 Data File : BN006553.D
 Acq On : 25 Jun 2019 04:07
 Operator : HP/JU
 Sample : K3388-08
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4219

Quant Time: Jun 25 07:11:38 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 : Tue Jun 25 01:51:13 2019
 Response via : Initial Calibration

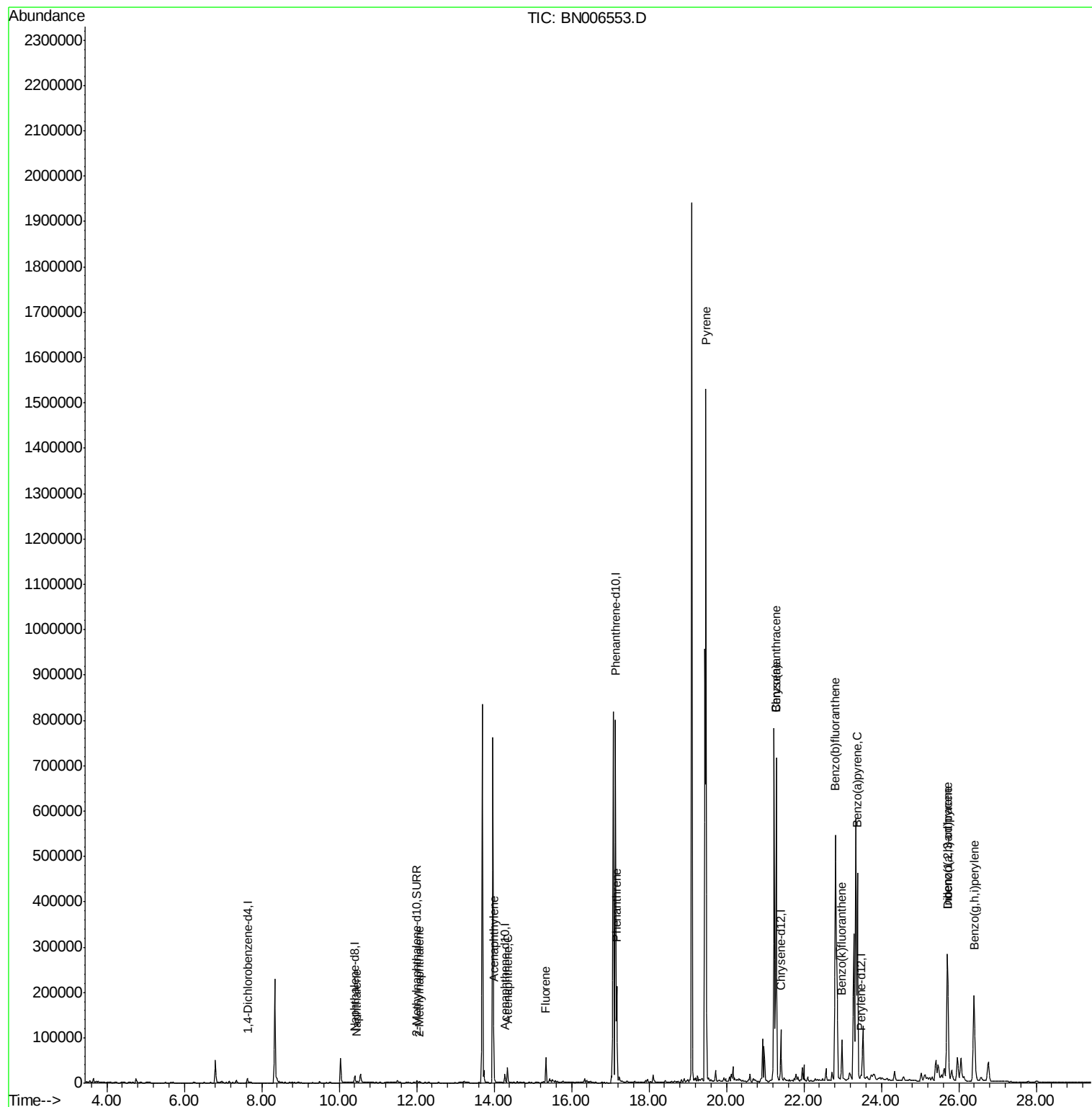
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	5649	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	20541	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	9958	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.13	188	876990	0.40	ng/ul	0.09
16) Chrysene-d12	21.39	240	560	0.40	ng/ul	0.13
20) Perylene-d12	23.47	264	11004	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	6251	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.17	212	241	0.00	ng/ul	0.09
Target Compounds				Qvalue		
3) Naphthalene	10.46	128	5142	0.091	ng/ul#	95
5) 2-Methylnaphthalene	12.08	142	1715	0.043	ng/ul	99
7) Acenaphthylene	14.00	152	9035	0.163	ng/ul	97
8) Acenaphthene	14.34	153	18308	0.477	ng/ul	100
9) Fluorene	15.33	166	34370	0.765	ng/ul	97
12) Phenanthrene	17.17	178	209299	0.074	ng/ul	100
17) Pyrene	19.47	202	1229723	416.889	ng/ul	99
18) Benzo(a)anthracene	21.29	228	671312	271.040	ng/ul	97
19) Chrysene	21.29	228	671312	288.717	ng/ul	99
21) Benzo(b)fluoranthene	22.81	252	1187764	25.886	ng/ul	89
22) Benzo(k)fluoranthene	22.98	252	65851	1.473	ng/ul	96
23) Benzo(a)pyrene	23.38	252	589960	13.805	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.71	276	420379	9.088	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.71	278	106727	2.886	ng/ul	95
26) Benzo(g,h,i)perylene	26.39	276	368071	9.501	ng/ul	94

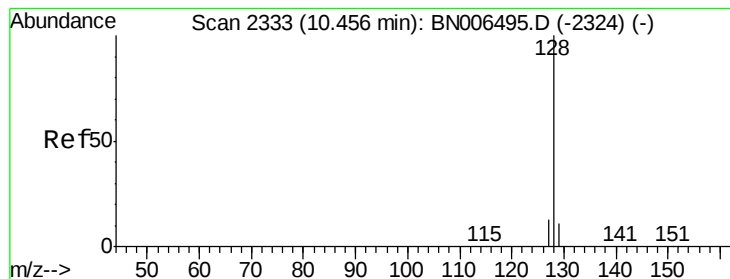
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.091 ng/ul

RT: 10.46 min Scan# 2333

Delta R.T. 0.00 min

Lab File: BN006553.D

Acq: 25 Jun 2019 04:07

Instrument :

BNA_N

ClientSampleId :

A4219

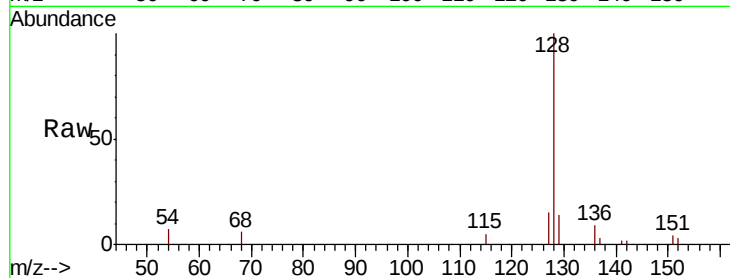
Tgt Ion:128 Resp: 5142

Ion Ratio Lower Upper

128 100

129 14.0 9.3 13.9#

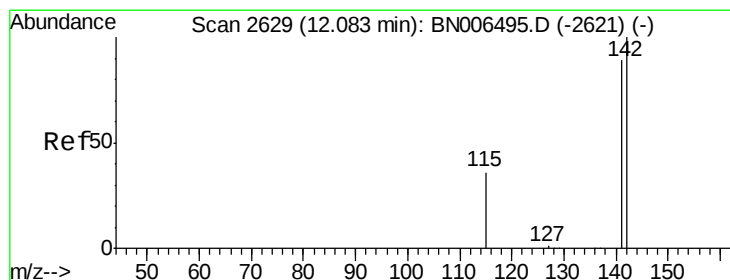
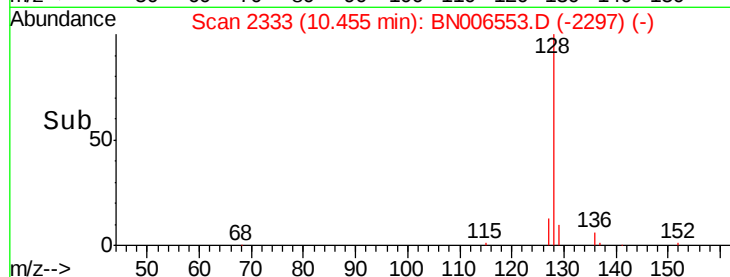
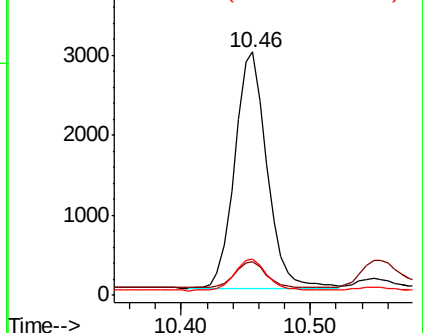
127 14.8 10.7 16.1



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: 0.043 ng/ul

RT: 12.08 min Scan# 2628

Delta R.T. -0.01 min

Lab File: BN006553.D

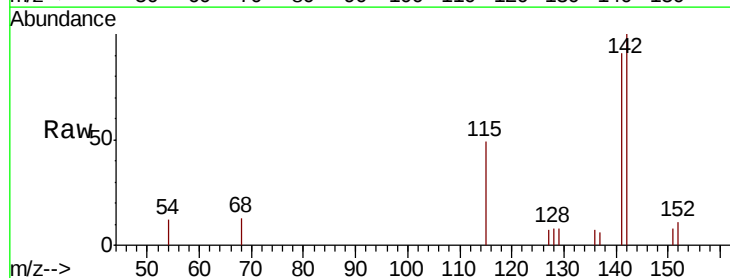
Acq: 25 Jun 2019 04:07

Tgt Ion:142 Resp: 1715

Ion Ratio Lower Upper

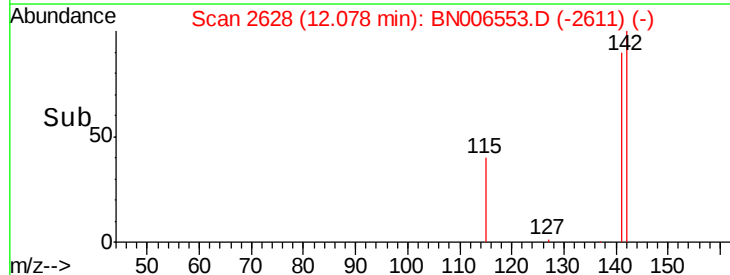
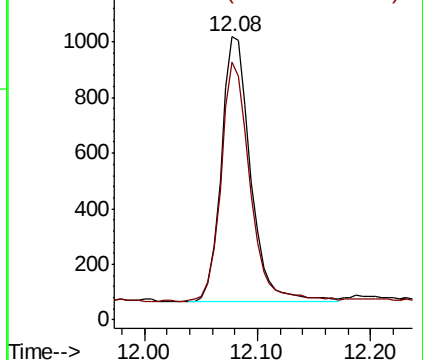
142 100

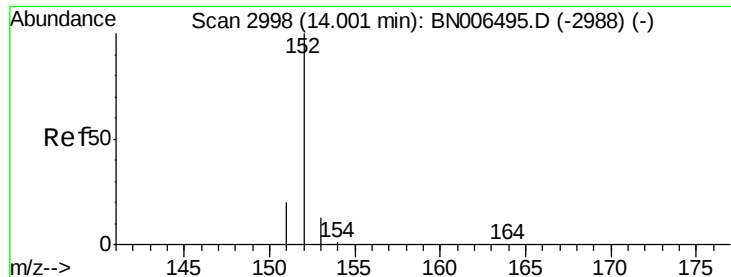
141 89.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.163 ng/ul

RT: 14.00 min Scan# 2997

Delta R.T. -0.00 min

Lab File: BN006553.D

Acq: 25 Jun 2019 04:07

Instrument :

BNA_N

ClientSampleId :

A4219

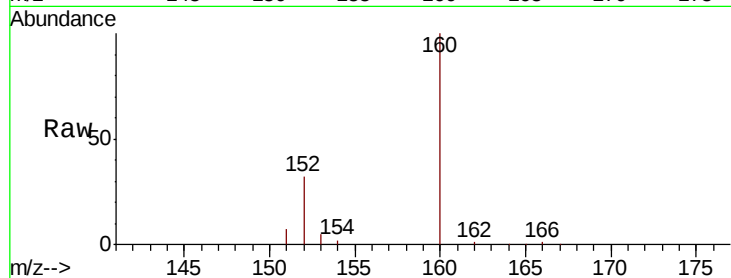
Tgt Ion:152 Resp: 9035

Ion Ratio Lower Upper

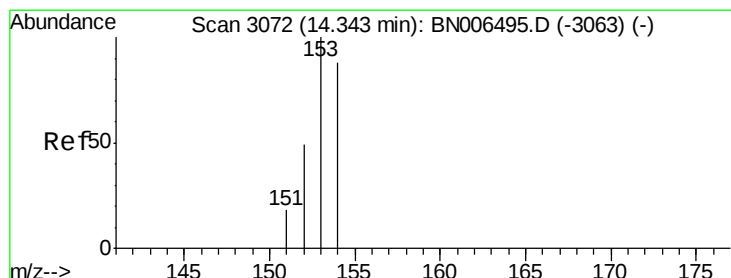
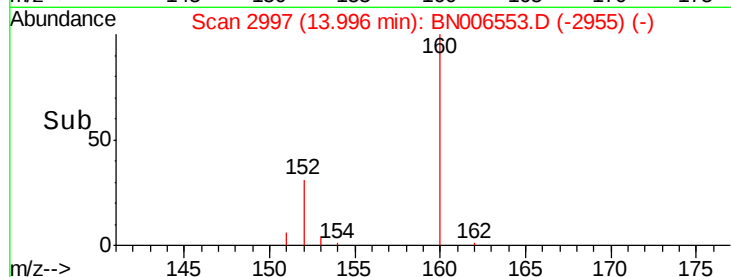
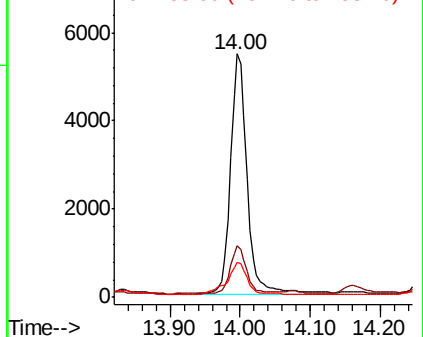
152 100

151 21.3 15.8 23.8

153 14.5 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: 0.477 ng/ul

RT: 14.34 min Scan# 3072

Delta R.T. 0.00 min

Lab File: BN006553.D

Acq: 25 Jun 2019 04:07

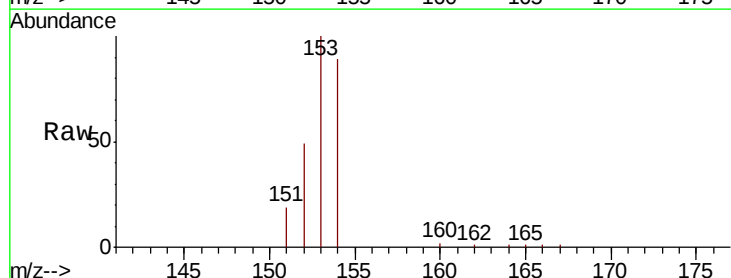
Tgt Ion:153 Resp: 18308

Ion Ratio Lower Upper

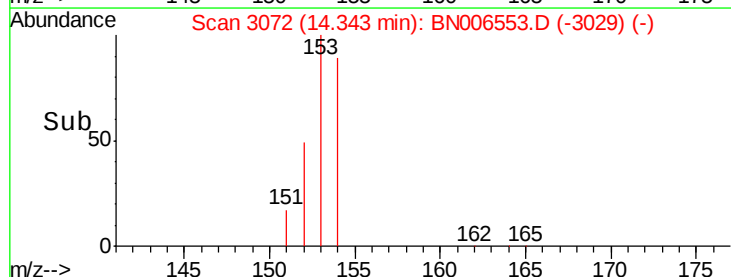
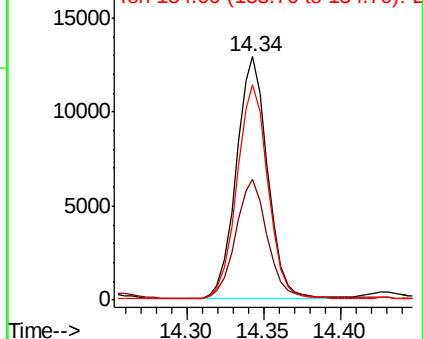
153 100

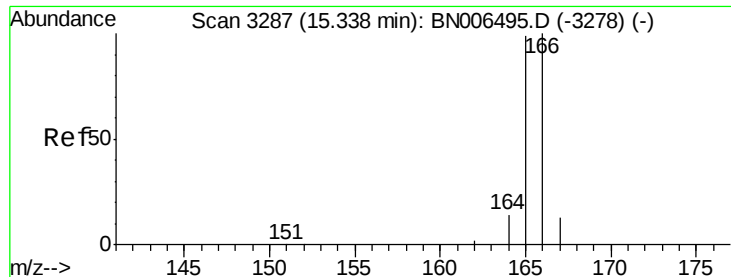
152 49.4 39.1 58.7

154 88.7 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: 0.765 ng/ul

RT: 15.33 min Scan# 3286

Delta R.T. -0.00 min

Lab File: BN006553.D

Acq: 25 Jun 2019 04:07

Instrument :

BNA_N

ClientSampleId :

A4219

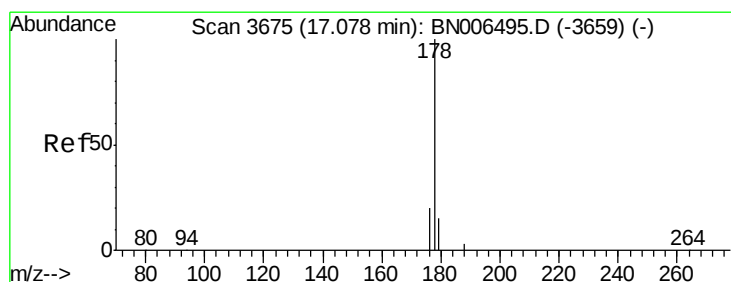
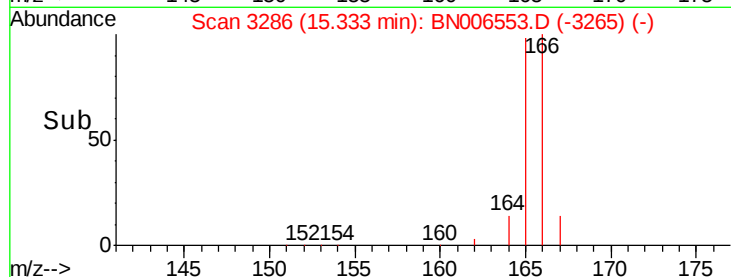
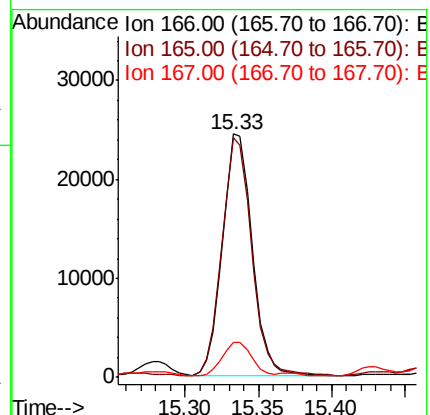
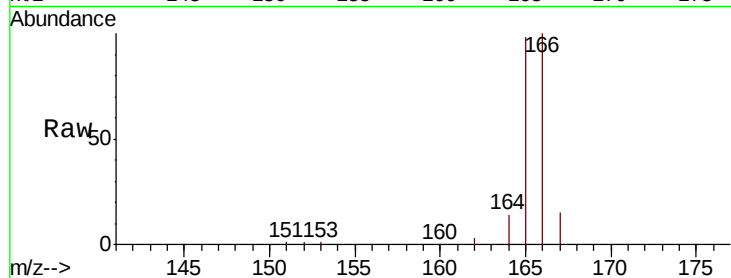
Tgt Ion:166 Resp: 34370

Ion Ratio Lower Upper

166 100

165 98.4 76.4 114.6

167 14.6 11.0 16.6



#12

Phenanthrene

Concen: 0.074 ng/ul

RT: 17.17 min Scan# 3696

Delta R.T. 0.08 min

Lab File: BN006553.D

Acq: 25 Jun 2019 04:07

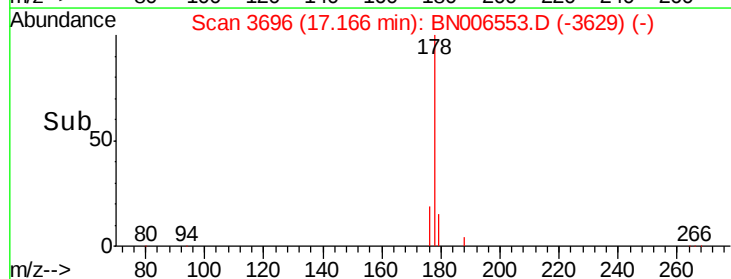
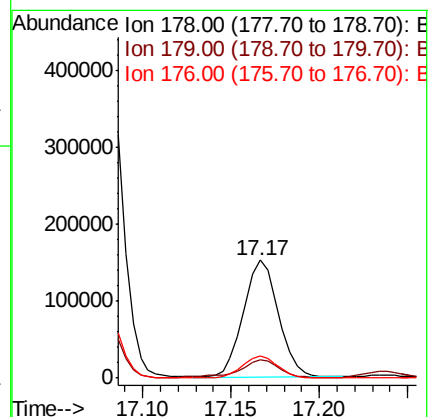
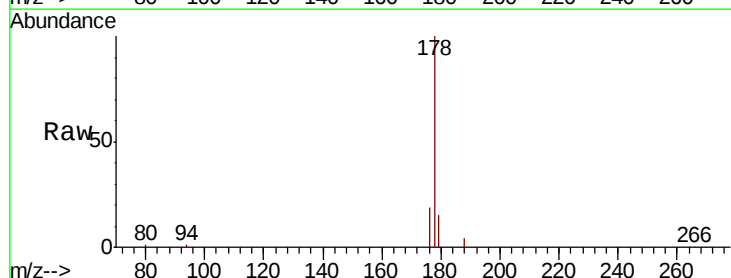
Tgt Ion:178 Resp: 209299

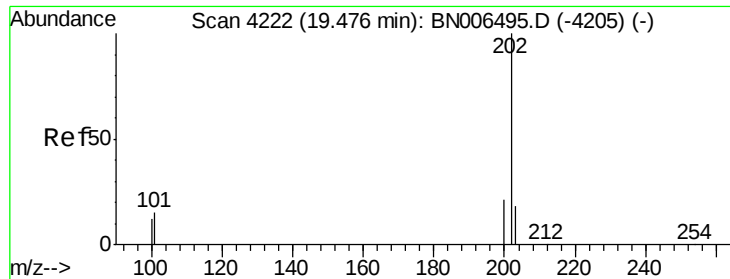
Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

176 18.9 15.3 22.9

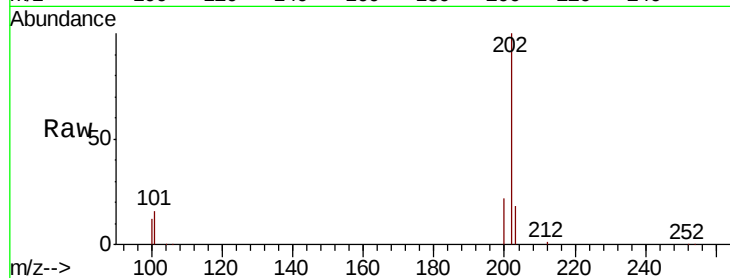




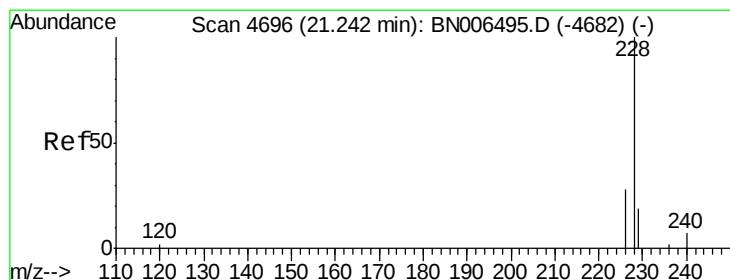
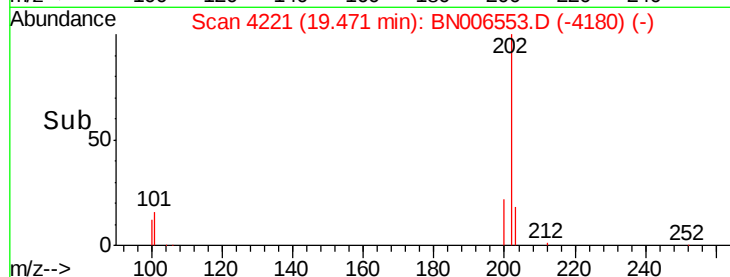
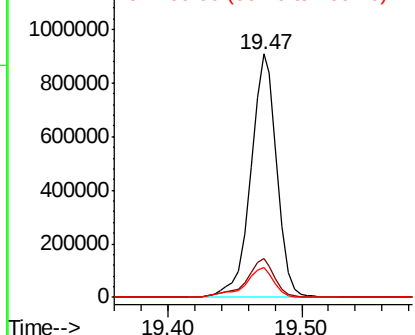
#17
 Pyrene
 Concen: 416.889 ng/ul
 RT: 19.47 min Scan# 4221
 Delta R.T. -0.01 min
 Lab File: BN006553.D
 Acq: 25 Jun 2019 04:07

Instrument :
 BNA_N
 ClientSampleId :
 A4219

Tgt Ion:202 Resp: 1229723
 Ion Ratio Lower Upper
 202 100
 101 15.7 12.2 18.2
 100 12.4 9.8 14.6

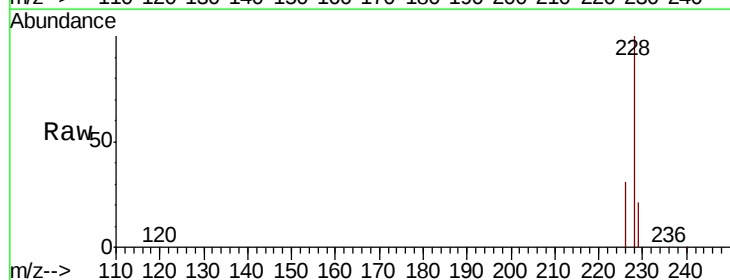


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

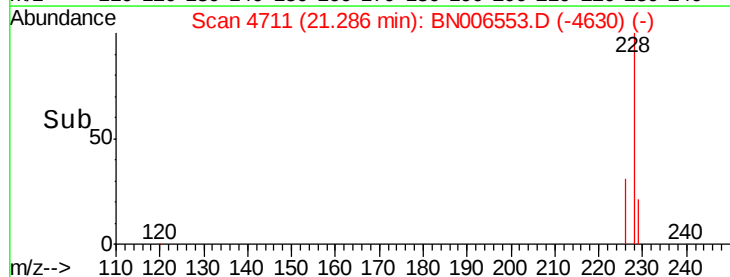
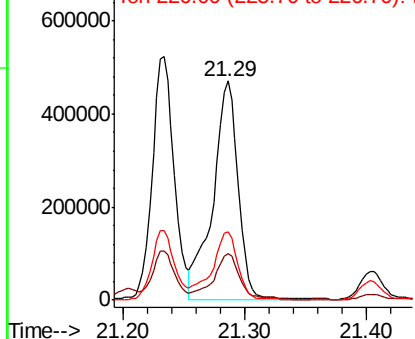


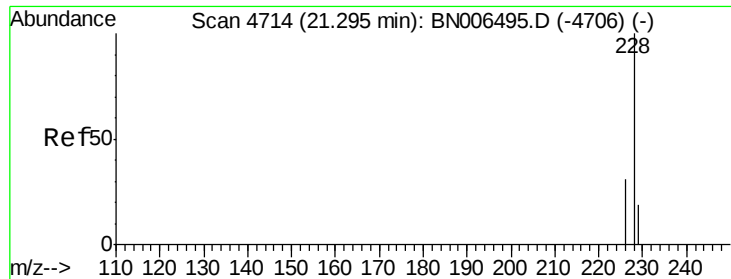
#18
 Benzo(a)anthracene
 Concen: 271.040 ng/ul
 RT: 21.29 min Scan# 4711
 Delta R.T. 0.04 min
 Lab File: BN006553.D
 Acq: 25 Jun 2019 04:07

Tgt Ion:228 Resp: 671312
 Ion Ratio Lower Upper
 228 100
 229 21.4 16.5 24.7
 226 31.0 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: 288.717 ng/ul

RT: 21.29 min Scan# 4711

Delta R.T. -0.01 min

Lab File: BN006553.D

Acq: 25 Jun 2019 04:07

Instrument :

BNA_N

ClientSampleId :

A4219

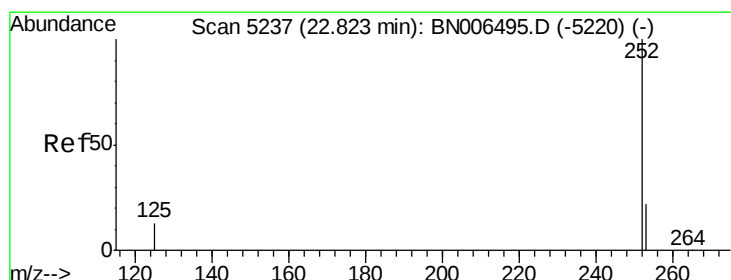
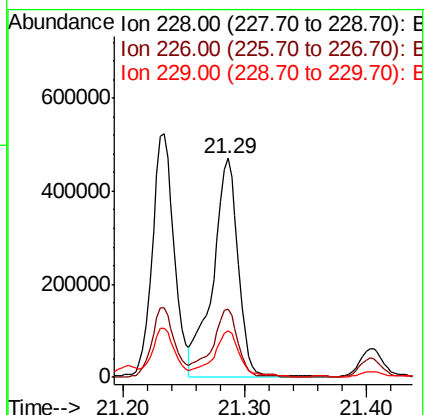
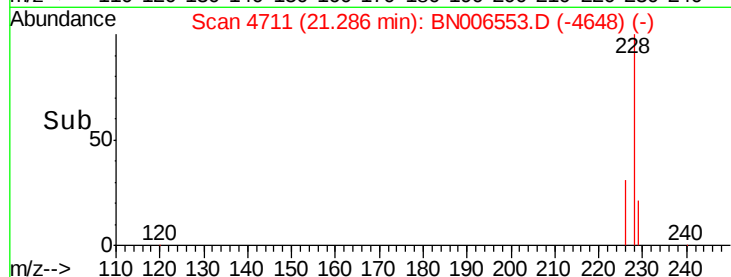
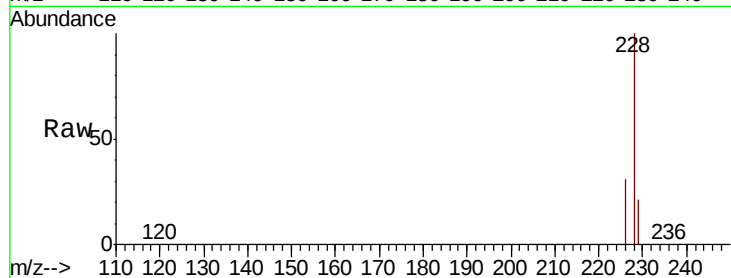
Tgt Ion:228 Resp: 671312

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

229 21.4 16.3 24.5



#21

Benzo(b)fluoranthene

Concen: 25.886 ng/ul

RT: 22.81 min Scan# 5233

Delta R.T. -0.02 min

Lab File: BN006553.D

Acq: 25 Jun 2019 04:07

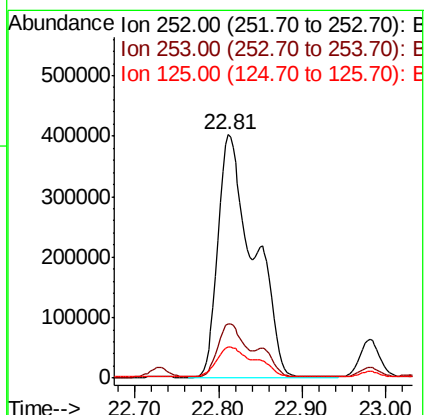
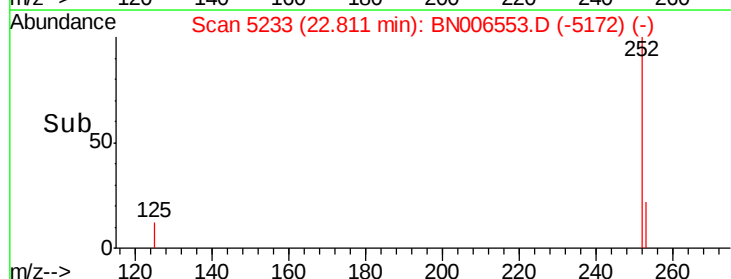
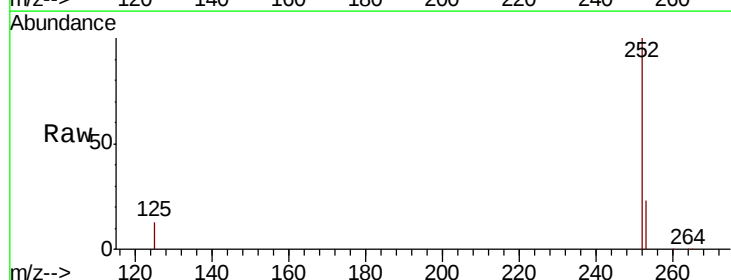
Tgt Ion:252 Resp: 1187764

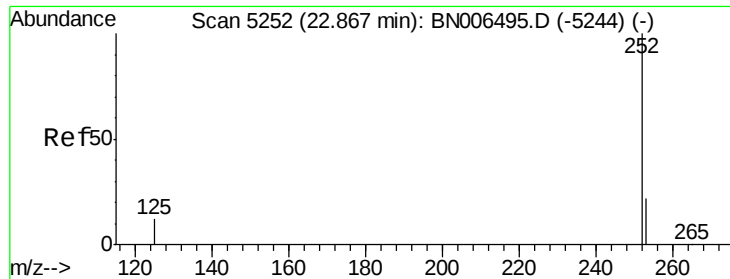
Ion Ratio Lower Upper

252 100

253 22.5 0.0 51.4

125 12.7 0.0 41.0





#22

Benzo(k)fluoranthene

Concen: 1.473 ng/ul

RT: 22.98 min Scan# 5291

Delta R.T. 0.11 min

Lab File: BN006553.D

Acq: 25 Jun 2019 04:07

Instrument :

BNA_N

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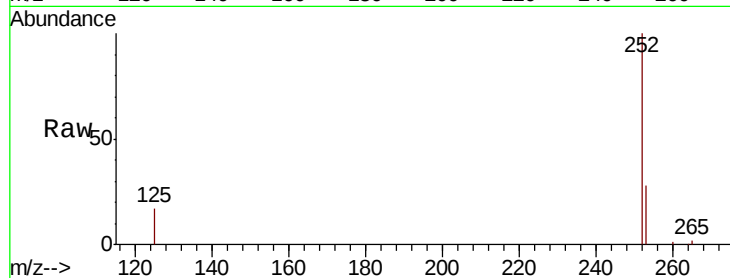
Tgt Ion:252 Resp: 65851

Ion Ratio Lower Upper

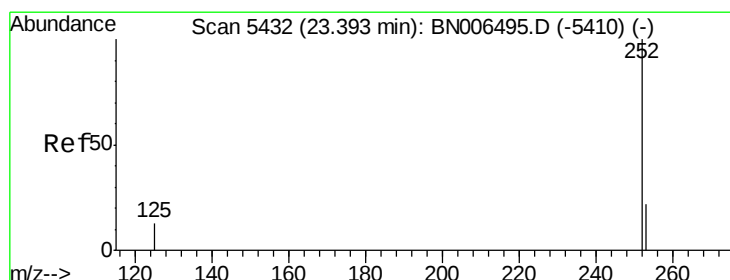
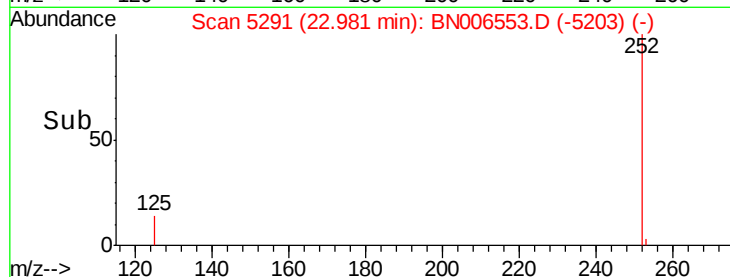
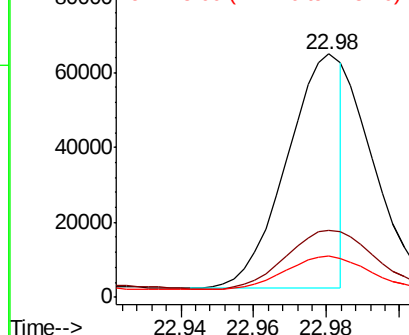
252 100

253 27.8 20.3 30.5

125 16.8 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: 13.805 ng/ul

RT: 23.38 min Scan# 5428

Delta R.T. -0.02 min

Lab File: BN006553.D

Acq: 25 Jun 2019 04:07

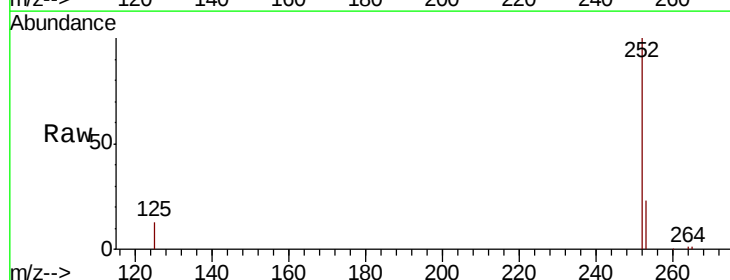
Tgt Ion:252 Resp: 589960

Ion Ratio Lower Upper

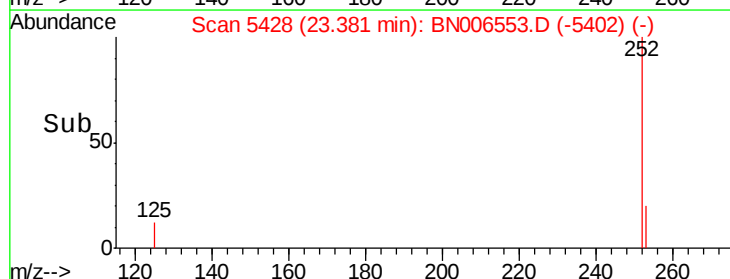
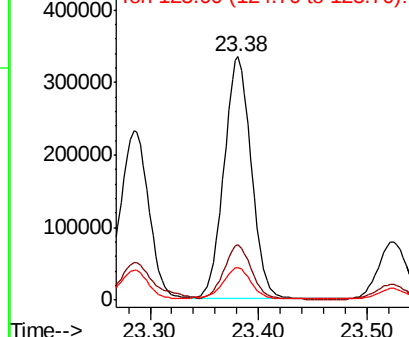
252 100

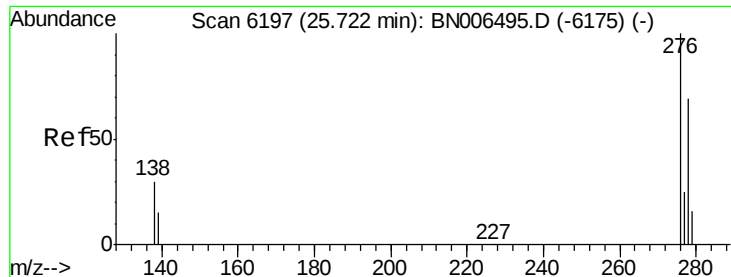
253 22.7 21.1 31.7

125 13.4 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



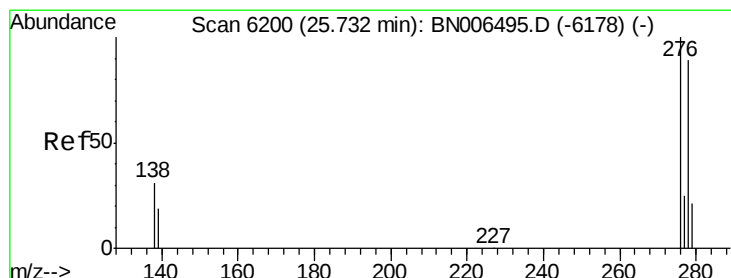
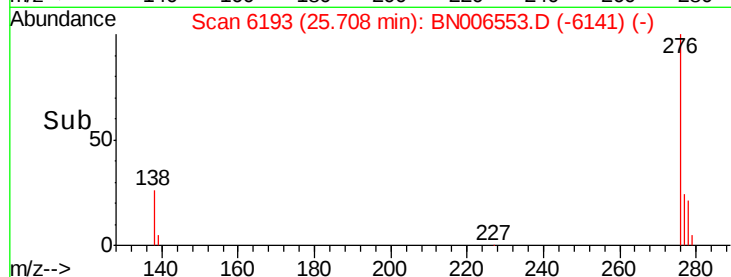
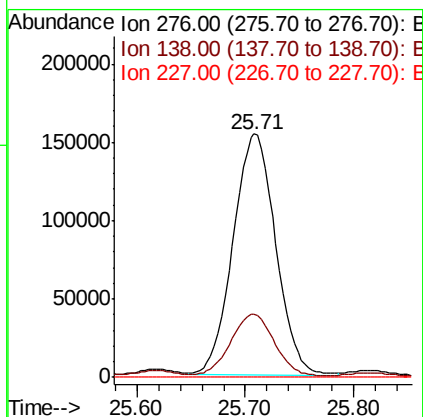
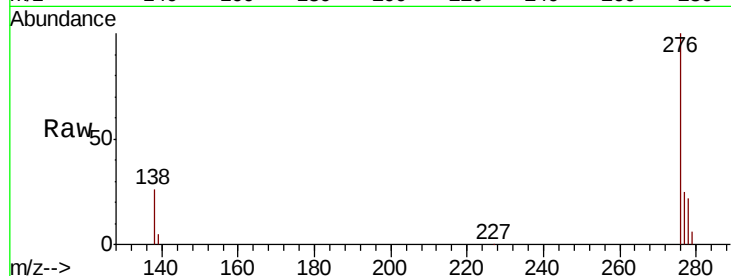


#24

Indeno(1,2,3-cd)pyrene
Concen: 9.088 ng/ul
RT: 25.71 min Scan# 6193
Delta R.T. -0.03 min
Lab File: BN006553.D
Acq: 25 Jun 2019 04:07

Instrument :
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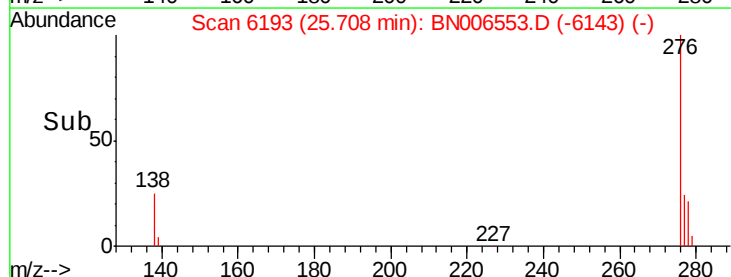
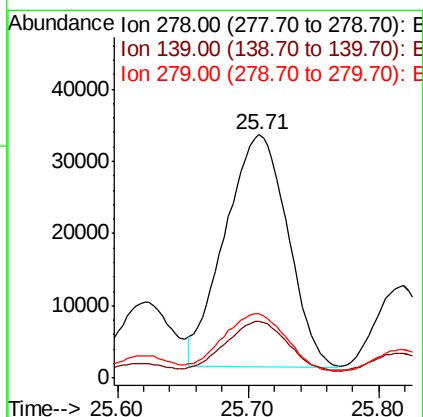
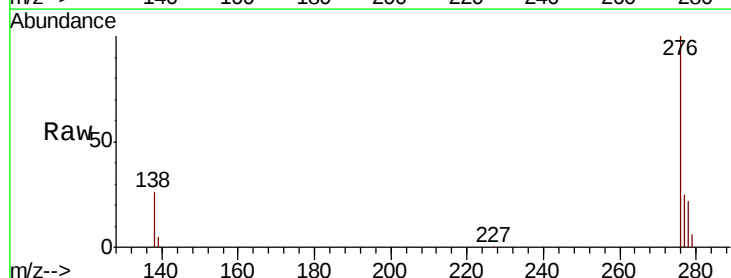
Tgt Ion: 276 Resp: 420379
Ion Ratio Lower Upper
276 100
138 25.9 25.6 38.4
227 0.2 0.3 0.5#

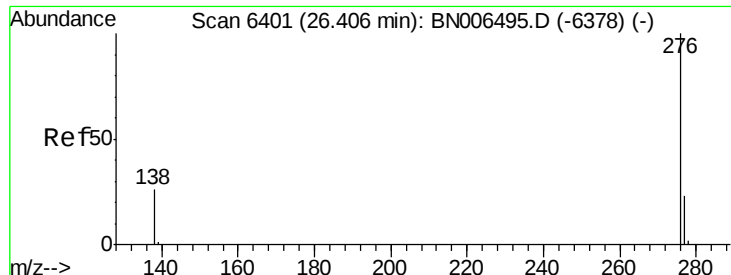


#25

Dibenzo(a,h)anthracene
Concen: 2.886 ng/ul
RT: 25.71 min Scan# 6193
Delta R.T. -0.03 min
Lab File: BN006553.D
Acq: 25 Jun 2019 04:07

Tgt Ion: 278 Resp: 106727
Ion Ratio Lower Upper
278 100
139 23.5 21.2 31.8
279 26.2 22.6 33.8





#26

Benzo(g,h,i)perylene

Concen: 9.501 ng/ul

RT: 26.39 min Scan# 6397

Delta R.T. -0.03 min

Lab File: BN006553.D

Acq: 25 Jun 2019 04:07

Instrument :

BNA_N

ClientSampleId :

A4219

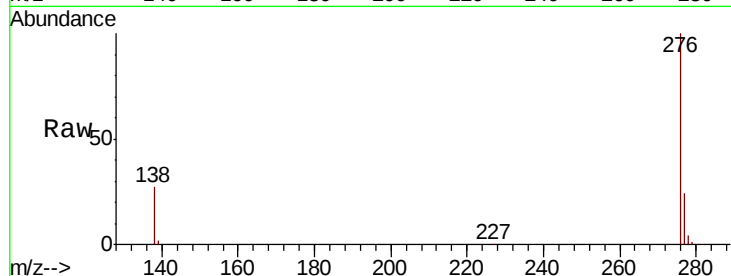
Tgt Ion: 276 Resp: 368071

Ion Ratio Lower Upper

276 100

138 26.7 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

