

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\
 Data File : BN002492.D
 Acq On : 24 Aug 2018 06:42
 Operator : JU/SJ
 Sample : J4424-15
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 24 07:55:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 24 02:20:09 2018
 Response via : Initial Calibration

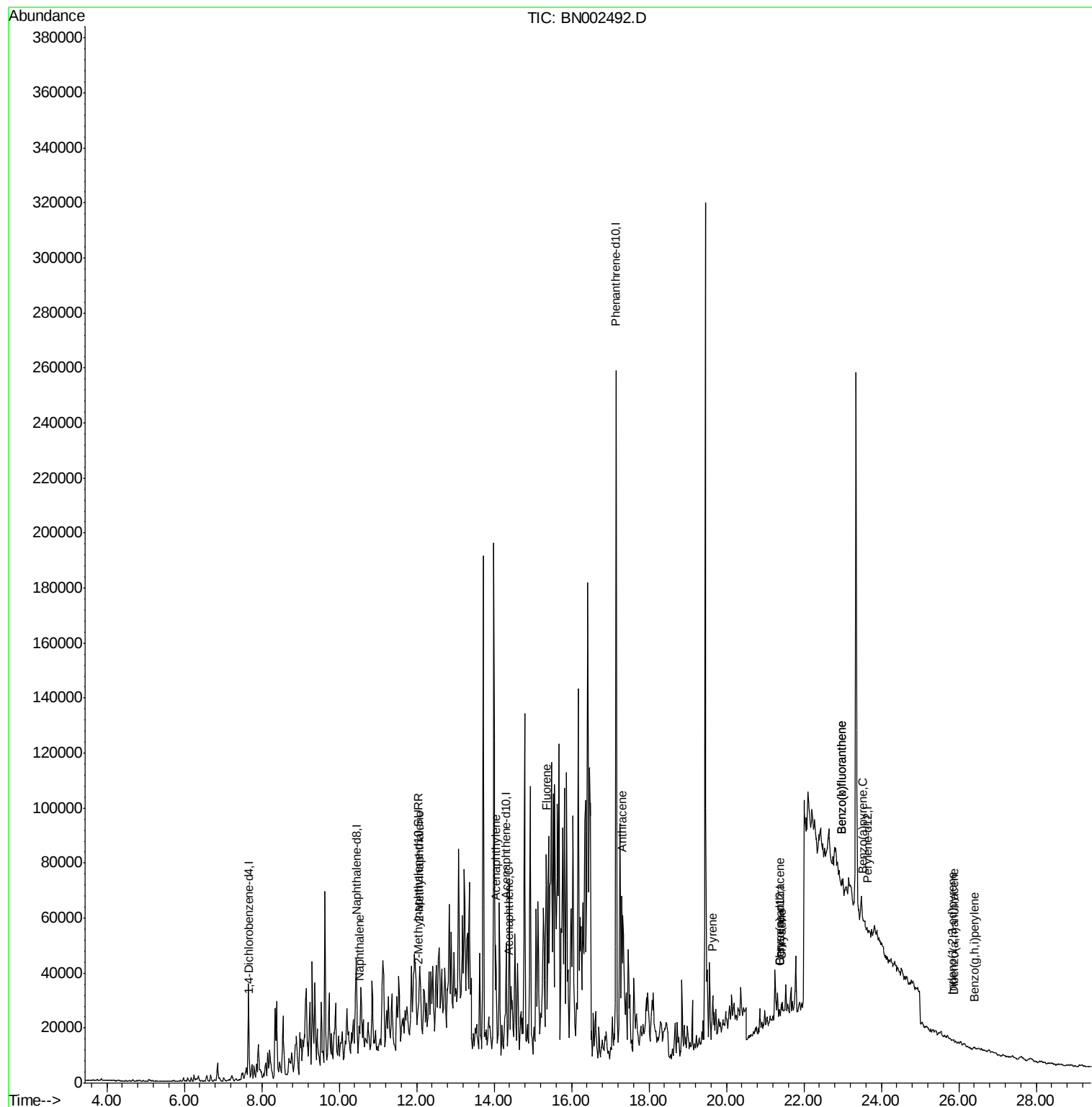
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	2123	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	10881	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	7645	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.15	188	268652	0.40	ng/ul	0.09
16) Chrysene-d12	21.38	240	242	0.40	ng/ul	0.13
20) Perylene-d12	23.63	264	64	0.40	ng/ul	0.16
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	2780	0.16	ng/ul	-0.02
14) Fluoranthene-d10	19.19	212	880	0.00	ng/ul	0.10
Target Compounds				Ovalue		
3) Naphthalene	10.51	128	3683	0.131	ng/ul#	1
5) 2-Methylnaphthalene	12.08	142	1453	0.074	ng/ul#	1
7) Acenaphthylene	14.04	152	24019	0.671	ng/ul#	1
8) Acenaphthene	14.37	153	4674	0.171	ng/ul#	81
9) Fluorene	15.36	166	25041	0.800	ng/ul#	63
13) Anthracene	17.30	178	18266	0.027	ng/ul#	1
17) Pyrene	19.64	202	11260	13.642	ng/ul#	25
18) Benzo(a)anthracene	21.37	228	434	0.600	ng/ul#	1
19) Chrysene	21.42	228	593	0.725	ng/ul#	1
21) Benzo(b)fluoranthene	22.99	252	261	1.135	ng/ul#	1
22) Benzo(k)fluoranthene	22.99	252	261	1.099	ng/ul#	1
23) Benzo(a)pyrene	23.54	252	1069	4.946	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.84	276	88	0.391	ng/ul#	1
25) Dibenzo(a,h)anthracene	25.87	278	13	0.073	ng/ul#	1
26) Benzo(g,h,i)perylene	26.39	276	1276	6.612	ng/ul#	1

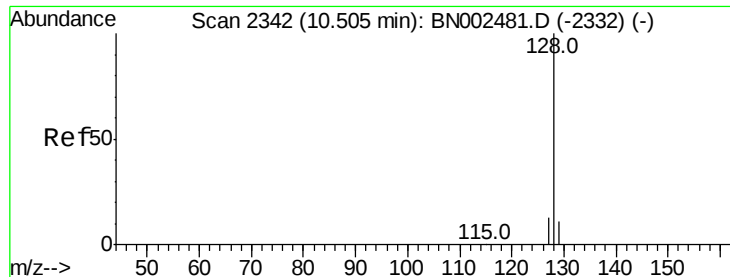
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.131 ng/ul

RT: 10.51 min Scan# 2343

Delta R.T. 0.01 min

Lab File: BN002492.D

Acq: 24 Aug 2018 06:42

Instrument :

BNA_N

ClientSampled :

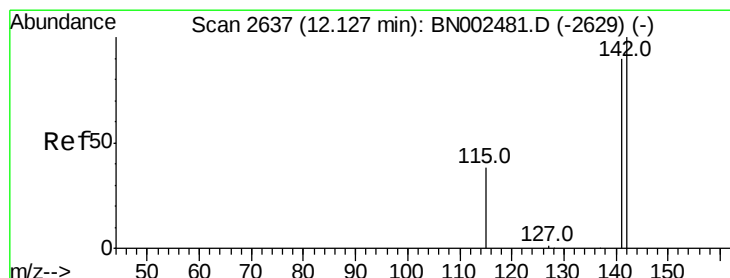
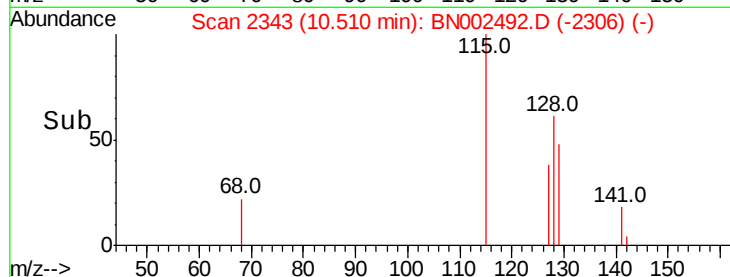
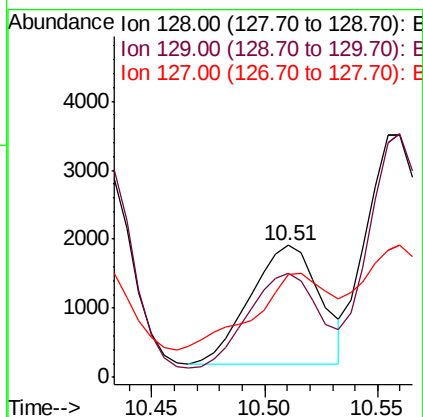
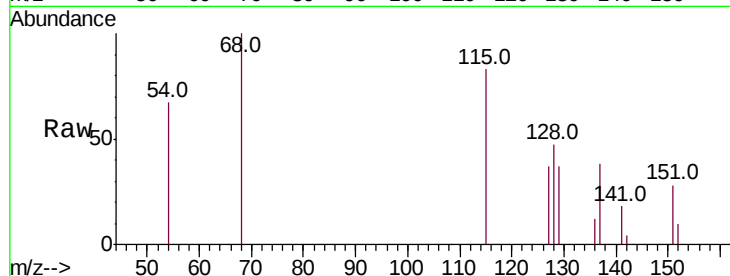
Tot Ion:128 Resp: 3683

Ion Ratio Lower Upper

128 100

129 79.1 8.0 12.0#

127 77.9 12.0 18.0#



#5

2-Methylnaphthalene

Concen: 0.074 ng/ul

RT: 12.08 min Scan# 2628

Delta R.T. -0.05 min

Lab File: BN002492.D

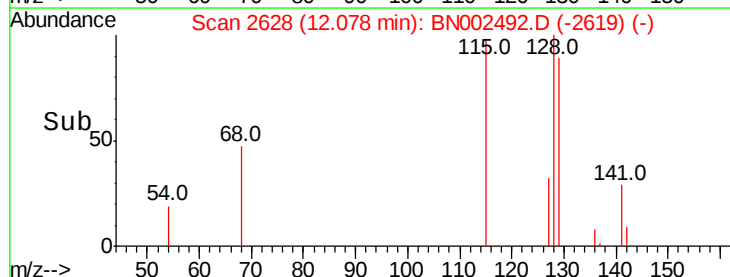
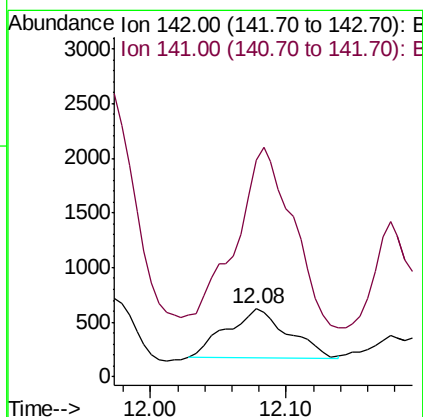
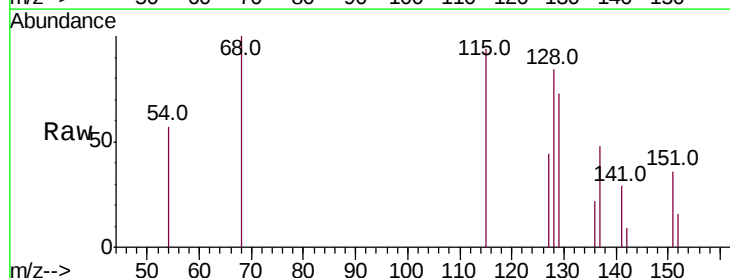
Acq: 24 Aug 2018 06:42

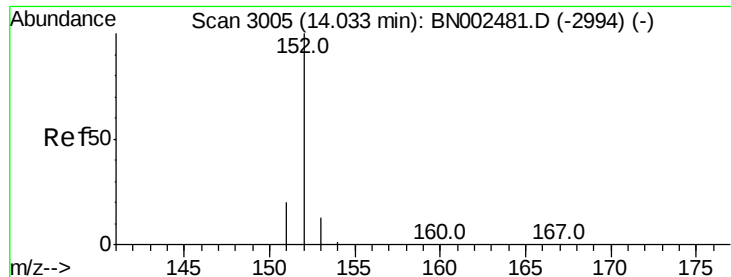
Tgt Ion:142 Resp: 1453

Ion Ratio Lower Upper

142 100

141 332.8 72.6 108.8#





#7

Acenaphthylene

Concen: 0.671 ng/ul

RT: 14.04 min Scan# 3006

Delta R.T. 0.00 min

Lab File: BN002492.D

Acq: 24 Aug 2018 06:42

Instrument :

BNA_N

ClientSampleId :

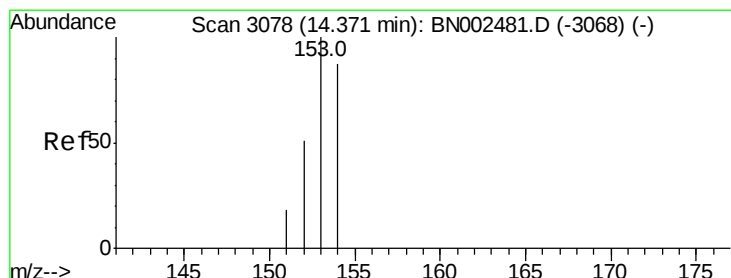
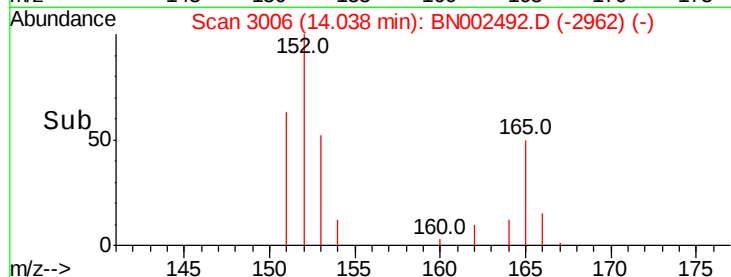
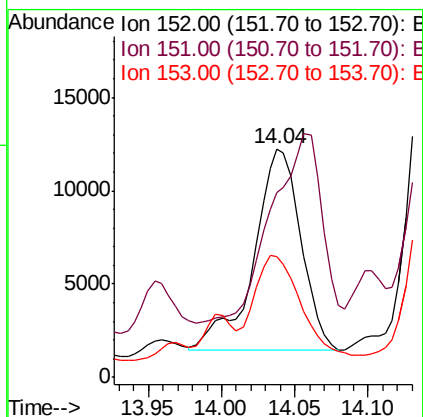
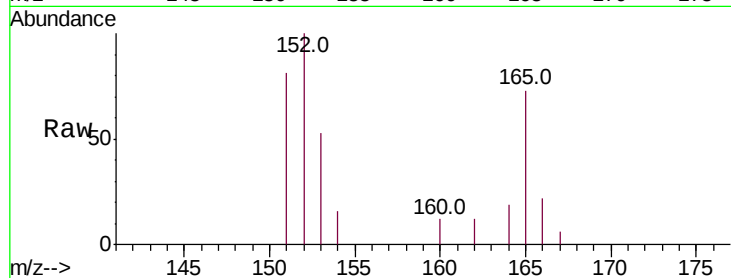
Tot Ion:152 Resp: 24019

Ion Ratio Lower Upper

152 100

151 80.7 17.1 25.7#

153 53.0 12.8 19.2#



#8

Acenaphthene

Concen: 0.171 ng/ul

RT: 14.37 min Scan# 3078

Delta R.T. 0.00 min

Lab File: BN002492.D

Acq: 24 Aug 2018 06:42

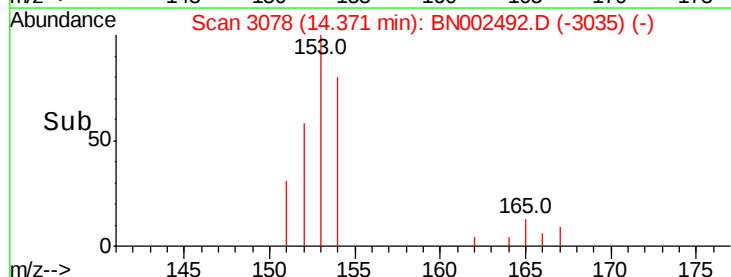
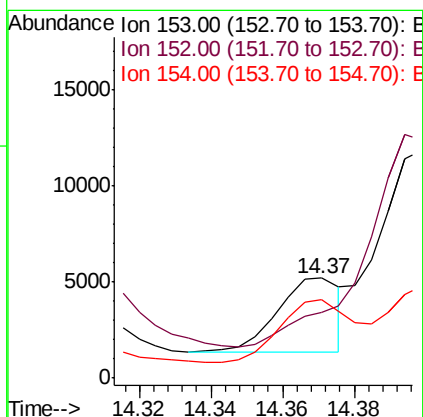
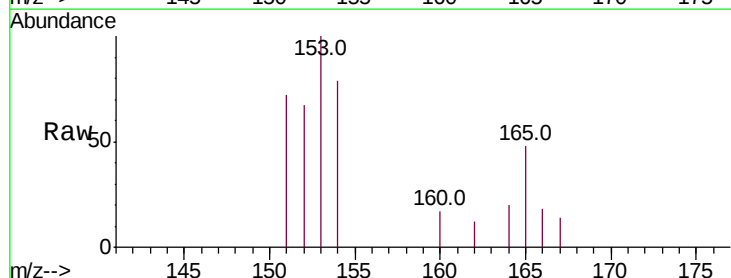
Tgt Ion:153 Resp: 4674

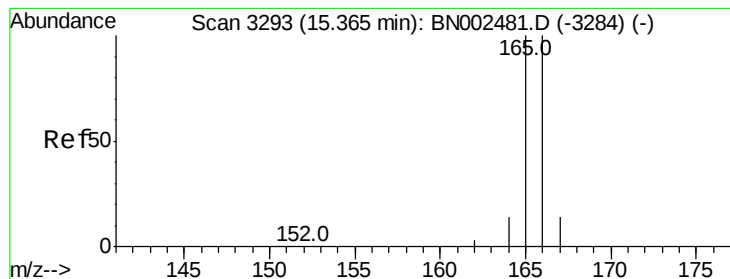
Ion Ratio Lower Upper

153 100

152 66.6 36.0 54.0#

154 78.8 72.0 108.0#





#9

Fluorene

Concen: 0.800 ng/ul

RT: 15.36 min Scan# 3292

Delta R.T. -0.00 min

Lab File: BN002492.D

Acq: 24 Aug 2018 06:42

Instrument :

BNA_N

ClientSampleId :

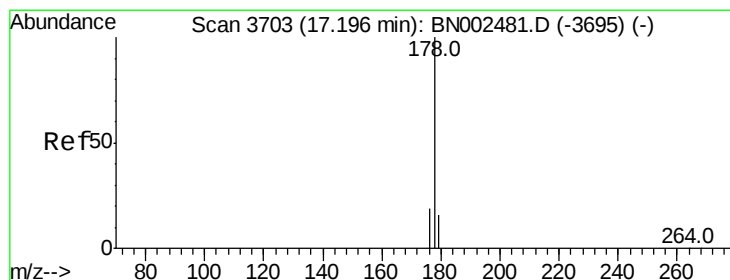
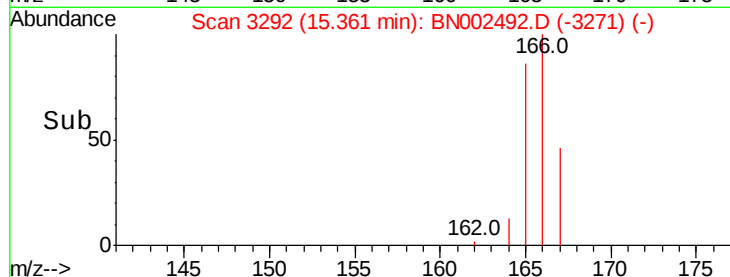
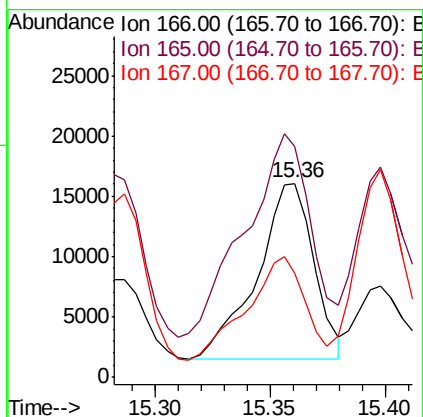
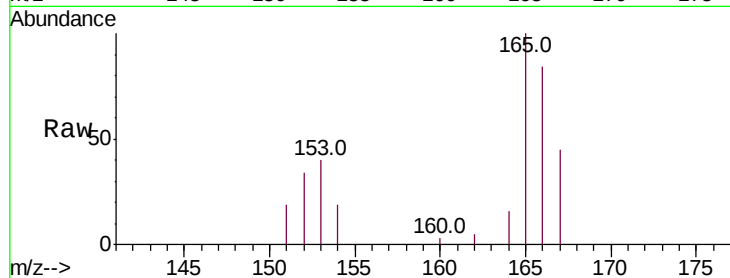
Tot Ion:166 Resp: 25041

Ion Ratio Lower Upper

166 100

165 119.1 73.4 110.2#

167 53.7 14.6 22.0#



#13

Anthracene

Concen: 0.027 ng/ul

RT: 17.30 min Scan# 3727

Delta R.T. 0.10 min

Lab File: BN002492.D

Acq: 24 Aug 2018 06:42

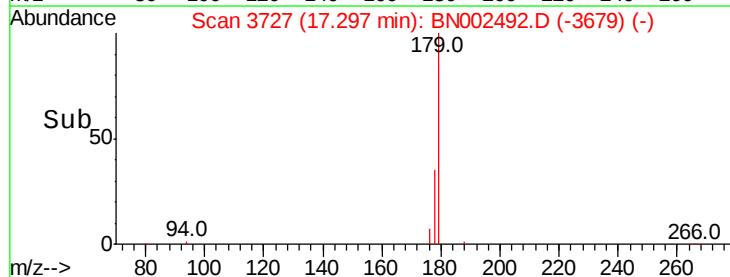
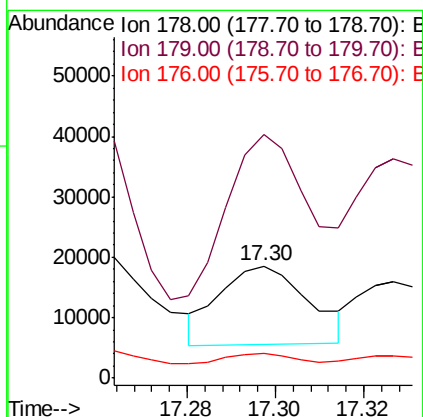
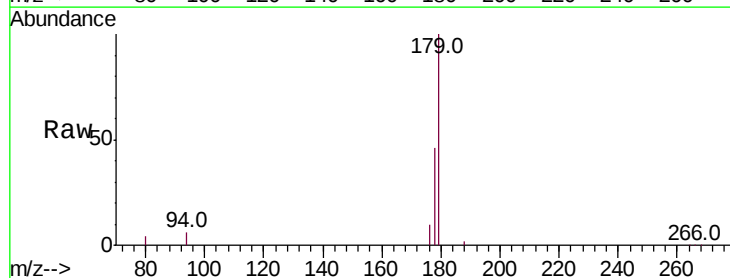
Tgt Ion:178 Resp: 18266

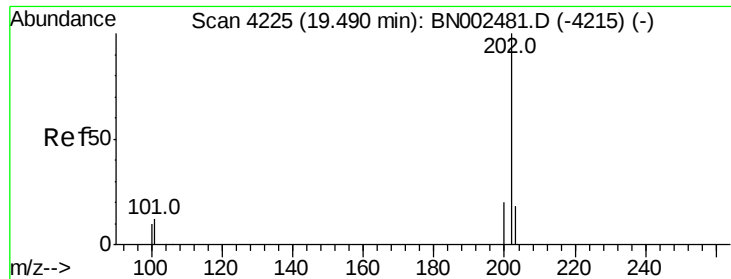
Ion Ratio Lower Upper

178 100

179 216.8 18.1 27.1#

176 21.7 14.7 22.1





#17

Pvrene

Concen: 13.642 ng/ul

RT: 19.64 min Scan# 4257

Delta R.T. 0.15 min

Lab File: BN002492.D

Acq: 24 Aug 2018 06:42

Instrument :

BNA_N

ClientSampleId :

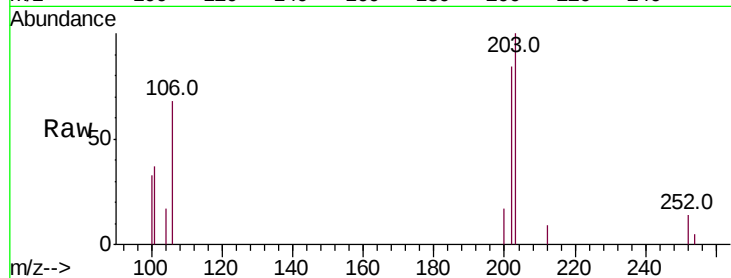
Tot Ion:202 Resp: 11260

Ion Ratio Lower Upper

202 100

101 44.5 12.0 18.0#

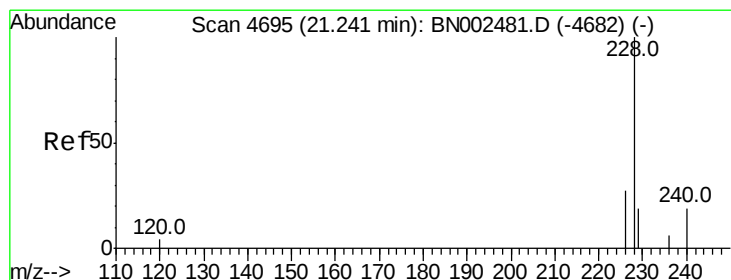
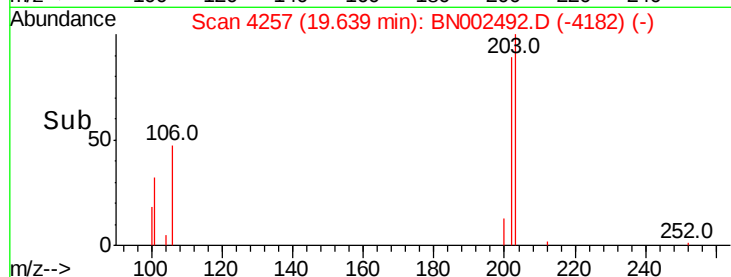
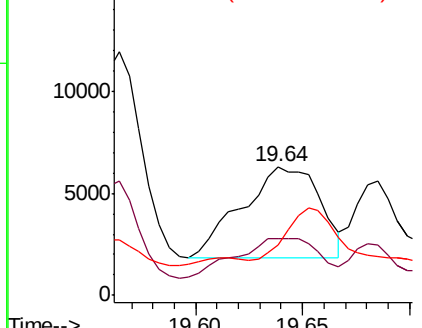
100 39.6 8.0 12.0#



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: 0.600 ng/ul

RT: 21.37 min Scan# 4739

Delta R.T. 0.13 min

Lab File: BN002492.D

Acq: 24 Aug 2018 06:42

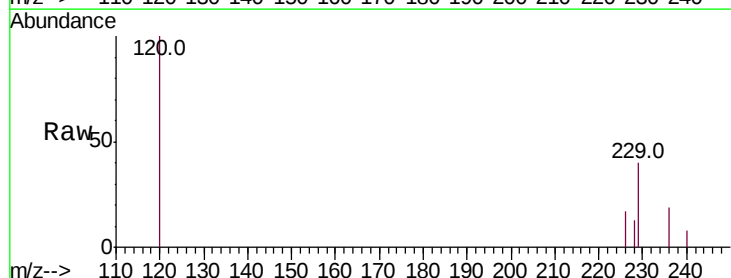
Tgt Ion:228 Resp: 434

Ion Ratio Lower Upper

228 100

229 298.1 22.8 34.2#

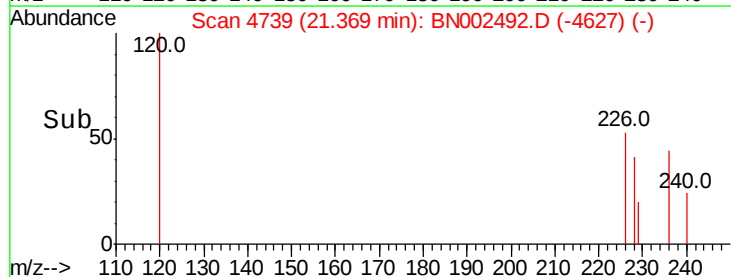
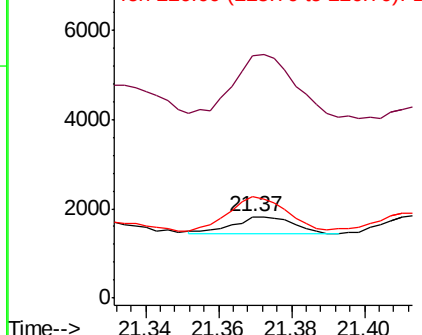
226 124.5 17.0 25.6#

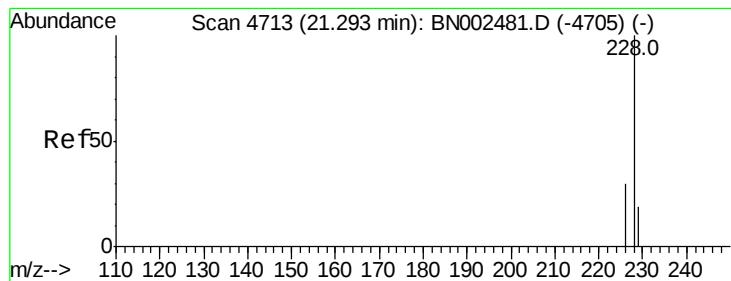


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.725 ng/ul

RT: 21.42 min Scan# 4755

Delta R.T. 0.12 min

Lab File: BN002492.D

Acq: 24 Aug 2018 06:42

Instrument :

BNA_N

ClientSampled :

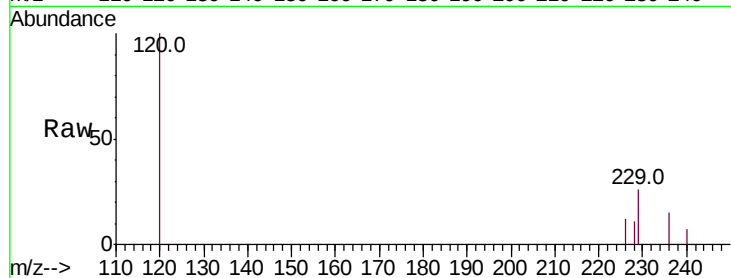
Tot Ion:228 Resp: 593

Ion Ratio Lower Upper

228 100

226 103.9 23.4 35.0#

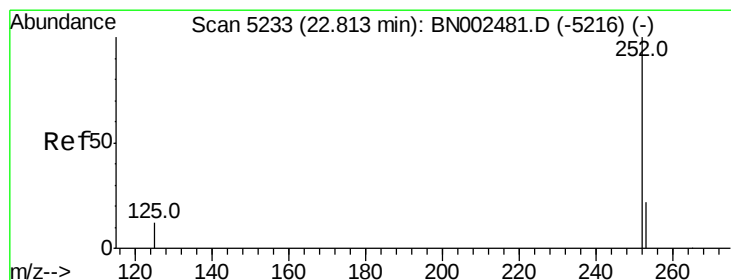
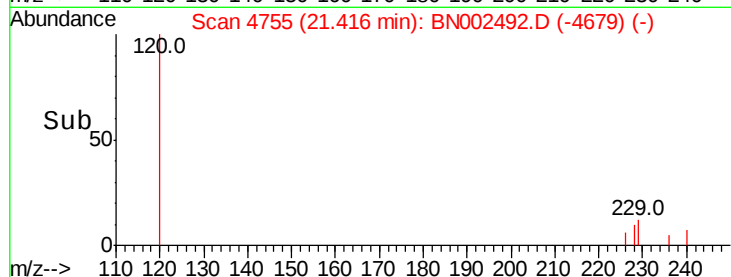
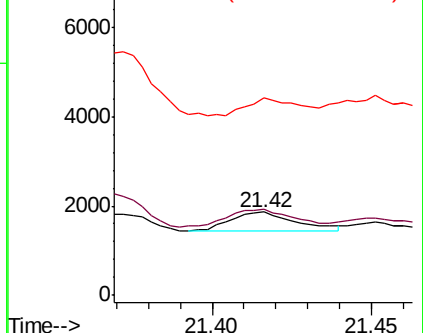
229 236.0 17.7 26.5#



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: 1.135 ng/ul

RT: 22.99 min Scan# 5293

Delta R.T. 0.18 min

Lab File: BN002492.D

Acq: 24 Aug 2018 06:42

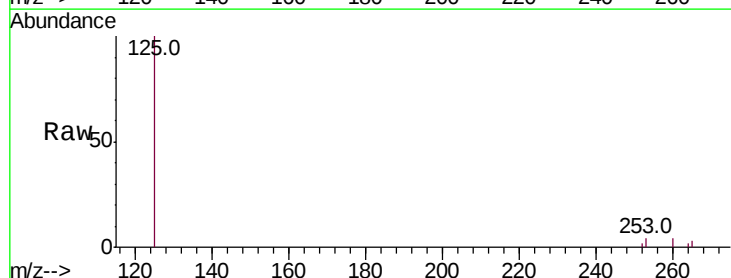
Tgt Ion:252 Resp: 261

Ion Ratio Lower Upper

252 100

253 179.8 0.0 64.2#

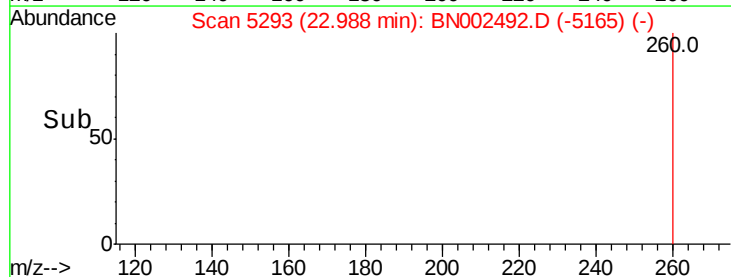
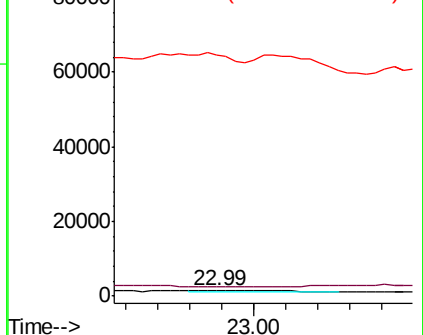
125 4510.6 0.0 35.0#

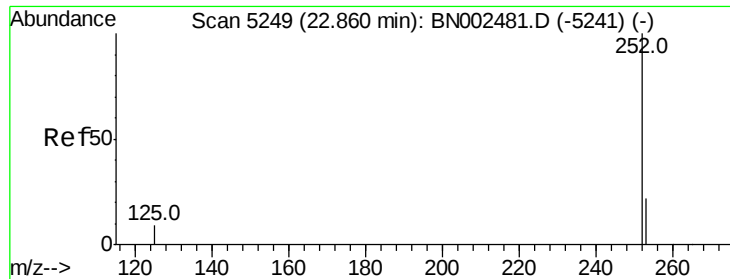


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.099 ng/ul

RT: 22.99 min Scan# 5293

Delta R.T. 0.13 min

Lab File: BN002492.D

Acq: 24 Aug 2018 06:42

Instrument :

BNA_N

ClientSampleId :

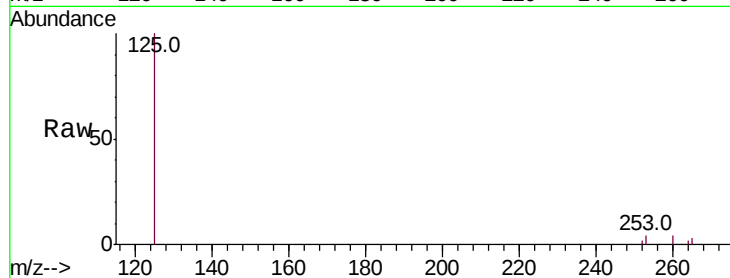
Tot Ion:252 Resp: 261

Ion Ratio Lower Upper

252 100

253 179.8 24.5 36.7#

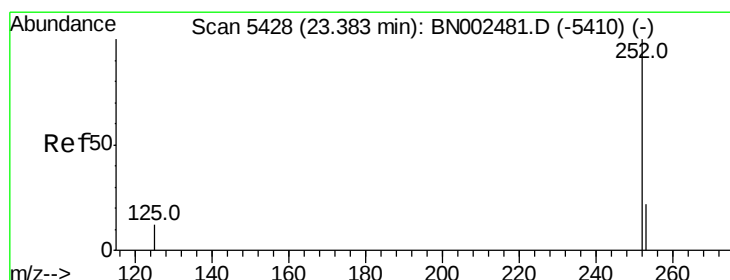
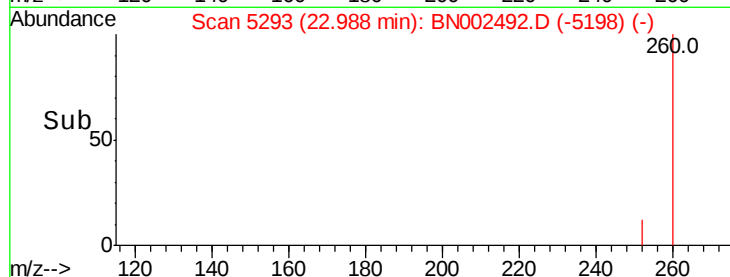
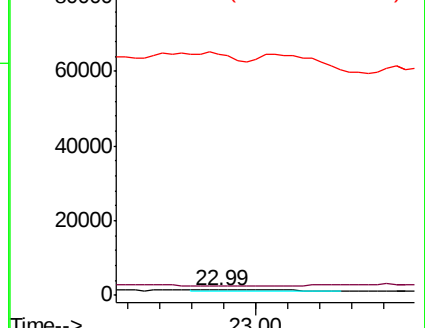
125 4510.6 13.7 20.5#



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: 4.946 ng/ul

RT: 23.54 min Scan# 5481

Delta R.T. 0.16 min

Lab File: BN002492.D

Acq: 24 Aug 2018 06:42

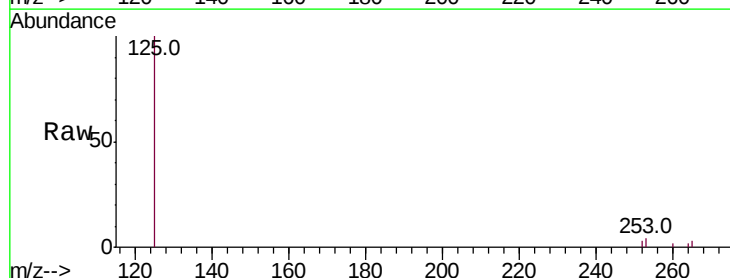
Tgt Ion:252 Resp: 1069

Ion Ratio Lower Upper

252 100

253 140.0 16.0 24.0#

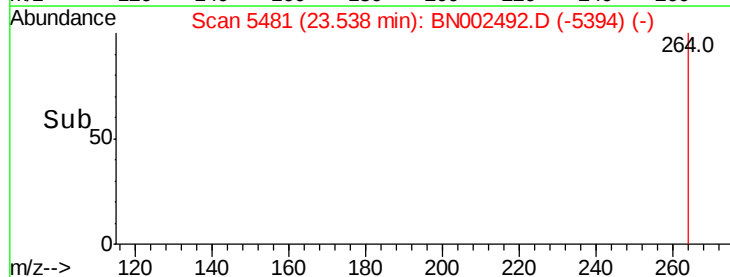
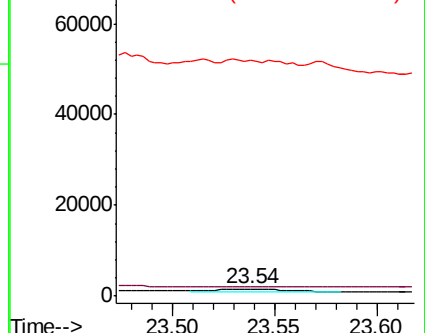
125 3407.2 12.0 18.0#

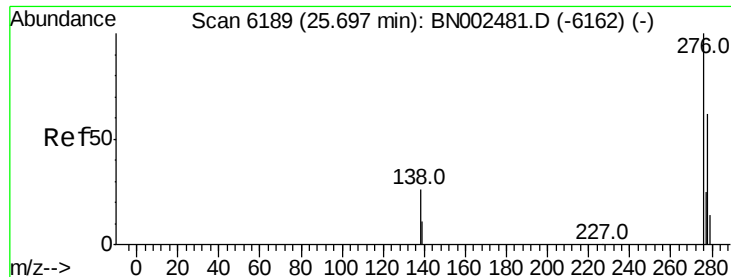


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

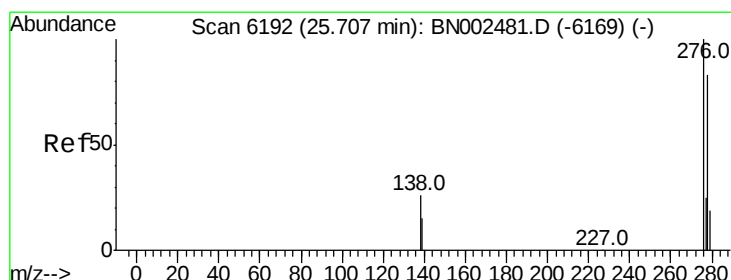
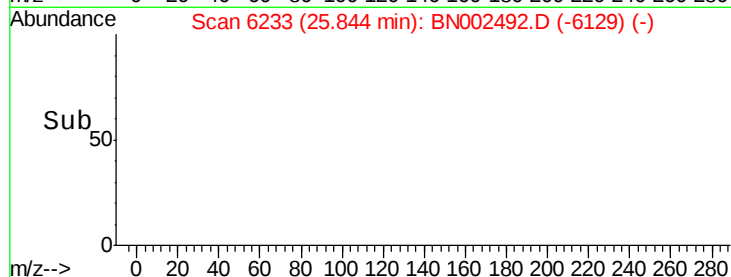
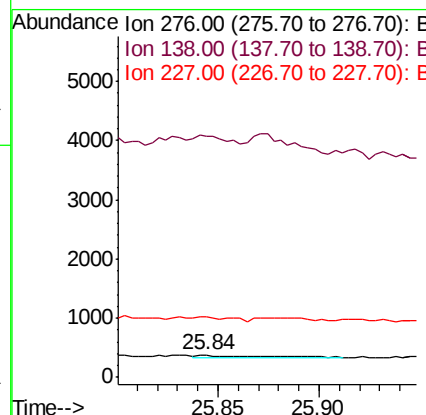
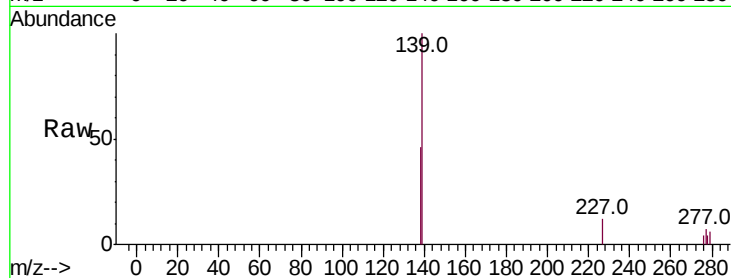




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.391 ng/ul
 RT: 25.84 min Scan# 6233
 Delta R.T. 0.15 min
 Lab File: BN002492.D
 Acq: 24 Aug 2018 06:42

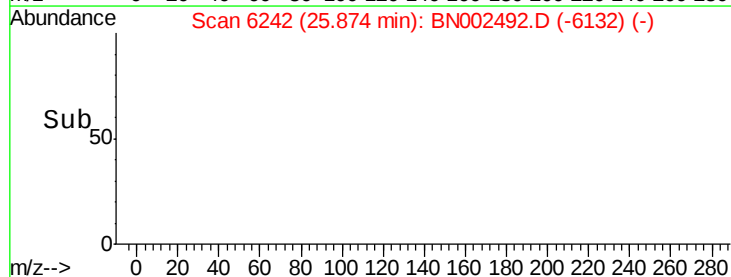
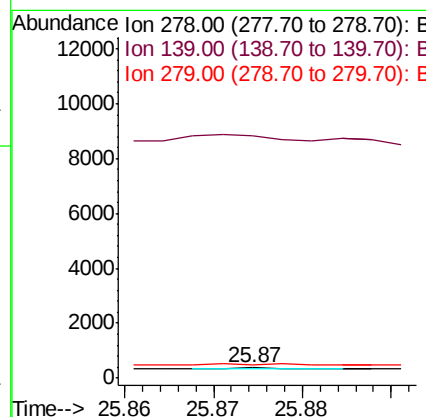
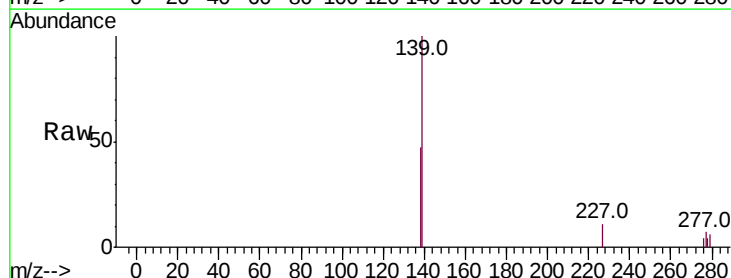
Instrument :
 BNA_N
 ClientSampleId :

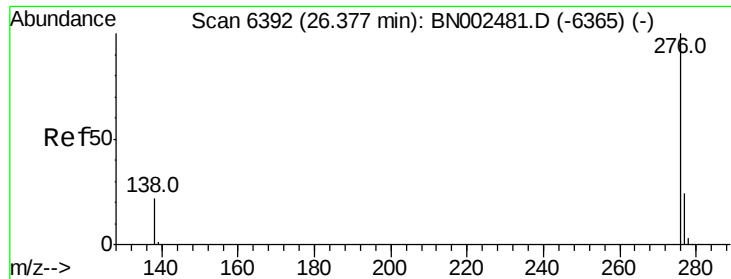
Tot Ion:276 Resp: 88
 Ion Ratio Lower Upper
 276 100
 138 165.9 28.0 42.0#
 227 162.5 0.8 1.2#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.073 ng/ul
 RT: 25.87 min Scan# 6242
 Delta R.T. 0.17 min
 Lab File: BN002492.D
 Acq: 24 Aug 2018 06:42

Tgt Ion:278 Resp: 13
 Ion Ratio Lower Upper
 278 100
 139 2346.2 17.4 26.0#
 279 130.8 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 6.612 ng/ul

RT: 26.39 min Scan# 6397

Delta R.T. 0.02 min

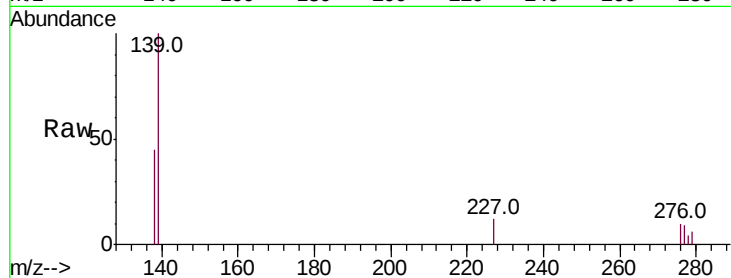
Lab File: BN002492.D

Acq: 24 Aug 2018 06:42

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 1276

Ion Ratio Lower Upper

276 100

138 443.5 21.8 32.8#

277 87.4 20.5 30.7#

