

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\
 Data File : BN002498.D
 Acq On : 24 Aug 2018 12:23
 Operator : JU/SJ
 Sample : J4424-14DL2 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 24 13:45:34 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	1332	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.45	136	5413	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	3190	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.06	188	7630	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	8880	0.40	ng/ul	0.00
20) Perylene-d12	23.48	264	9452	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	221	0.03	ng/ul	0.01
14) Fluoranthene-d10	19.09	212	611	0.03	ng/ul	0.00

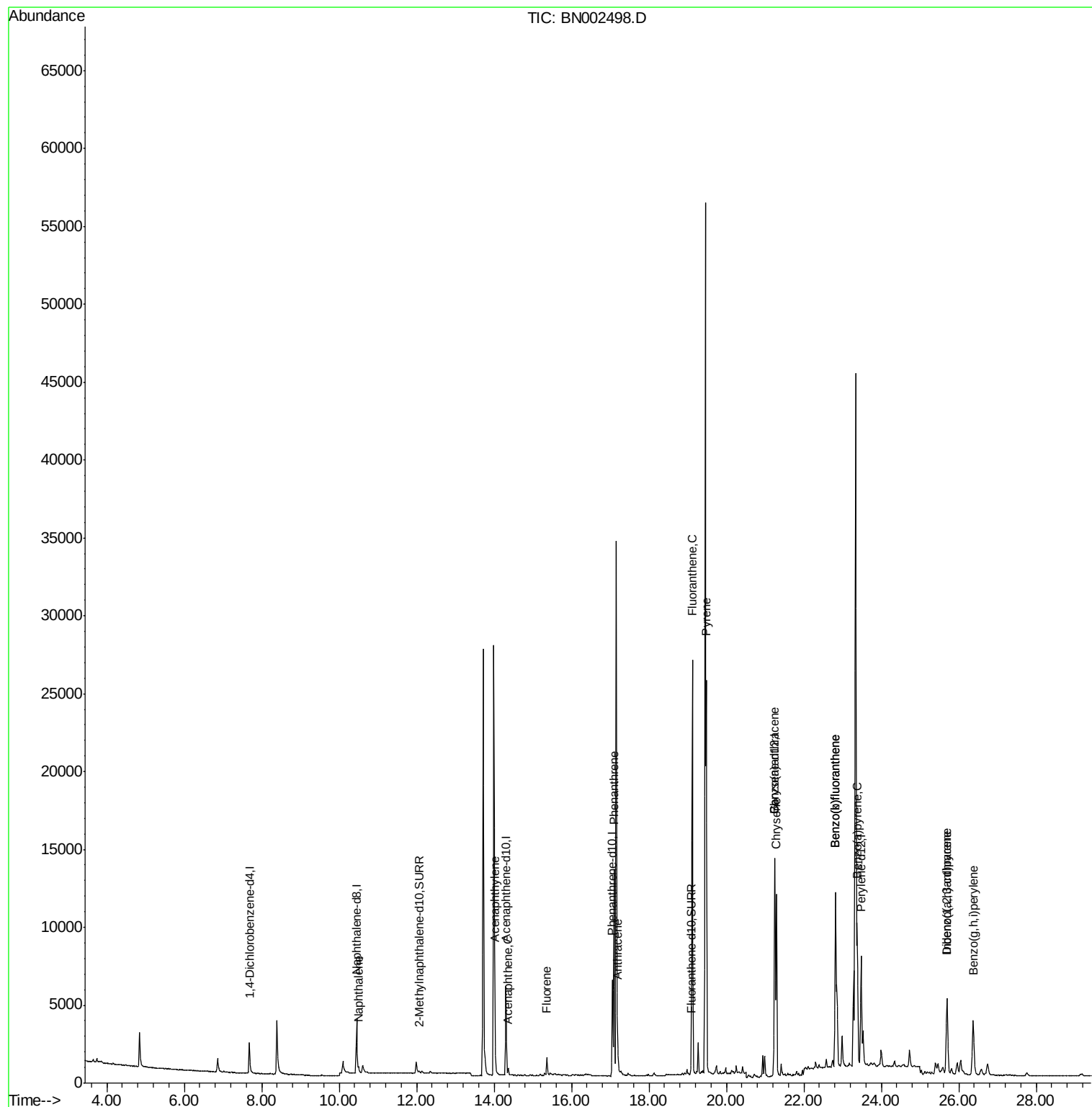
Target Compounds				Ovalue		
3) Naphthalene	10.50	128	488	0.035	ng/ul#	68
7) Acenaphthylene	14.02	152	2388	0.160	ng/ul	99
8) Acenaphthene	14.37	153	263	0.023	ng/ul#	90
9) Fluorene	15.36	166	851	0.065	ng/ul#	91
12) Phenanthrene	17.09	178	14369	0.637	ng/ul#	89
13) Anthracene	17.19	178	2181	0.112	ng/ul	97
15) Fluoranthene	19.12	202	23133	0.872	ng/ul	97
17) Pyrene	19.48	202	21416	0.707	ng/ul	96
18) Benzo(a)anthracene	21.24	228	9638	0.363	ng/ul#	84
19) Chrysene	21.29	228	11768	0.392	ng/ul	97
21) Benzo(b)fluoranthene	22.82	252	23230	0.684	ng/ul	92
22) Benzo(k)fluoranthene	22.82	252	23225	0.662	ng/ul	94
23) Benzo(a)pyrene	23.38	252	11405	0.357	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.70	276	7890	0.237	ng/ul#	79
25) Dibenzo(a,h)anthracene	25.71	278	1925	0.073	ng/ul#	89
26) Benzo(a,h,i)perylene	26.37	276	7383	0.259	ng/ul	98

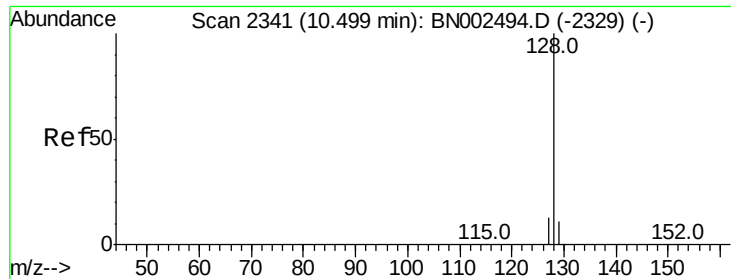
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.035 ng/ul

RT: 10.50 min Scan# 2341

Delta R.T. -0.01 min

Lab File: BN002498.D

Acq: 24 Aug 2018 12:23

Instrument :

BNA_N

ClientSampleId :

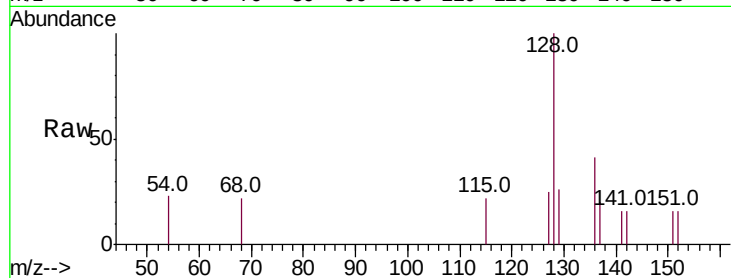
Tot Ion:128 Resp: 488

Ion Ratio Lower Upper

128 100

129 26.0 8.0 12.0#

127 25.1 12.0 18.0#



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

10.50

300

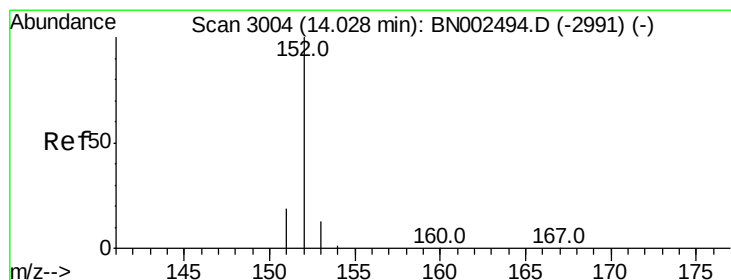
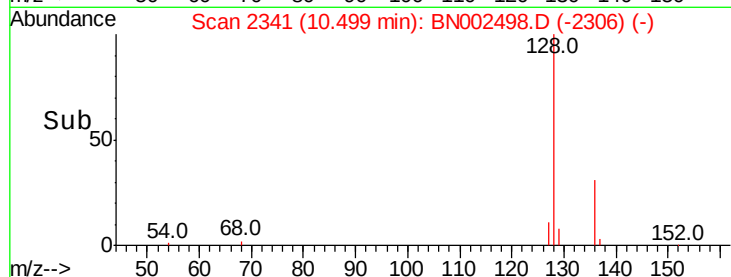
200

100

0

10.40 10.50 10.60

Time-->



#7

Acenaphthylene

Concen: 0.160 ng/ul

RT: 14.02 min Scan# 3003

Delta R.T. -0.01 min

Lab File: BN002498.D

Acq: 24 Aug 2018 12:23

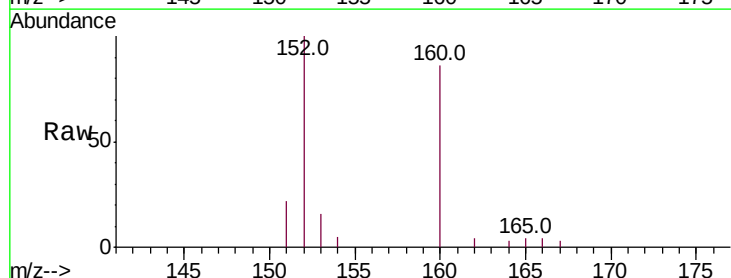
Tgt Ion:152 Resp: 2388

Ion Ratio Lower Upper

152 100

151 22.2 17.1 25.7

153 15.9 12.8 19.2



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

14.02

2000

1500

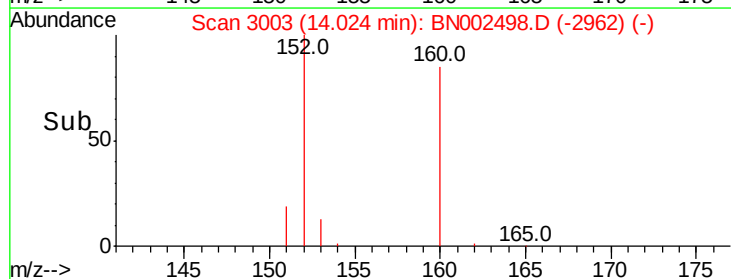
1000

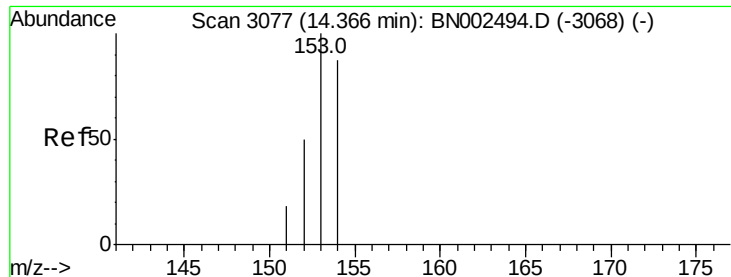
500

0

13.90 14.00 14.10 14.20

Time-->





#8

Acenaphthene

Concen: 0.023 ng/ul

RT: 14.37 min Scan# 3078

Delta R.T. -0.00 min

Lab File: BN002498.D

Acq: 24 Aug 2018 12:23

Instrument :

BNA_N

ClientSampleId :

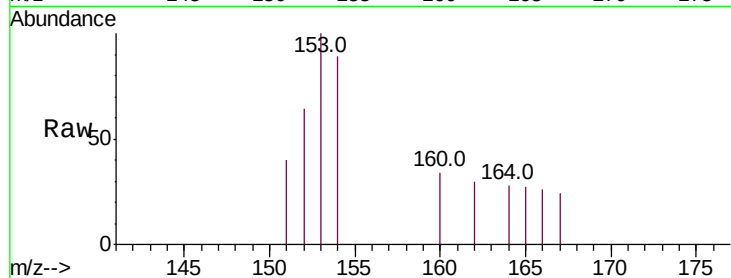
Tot Ion:153 Resp: 263

Ion Ratio Lower Upper

153 100

152 63.5 36.0 54.0#

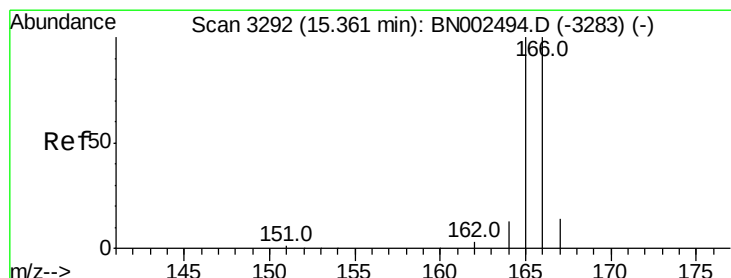
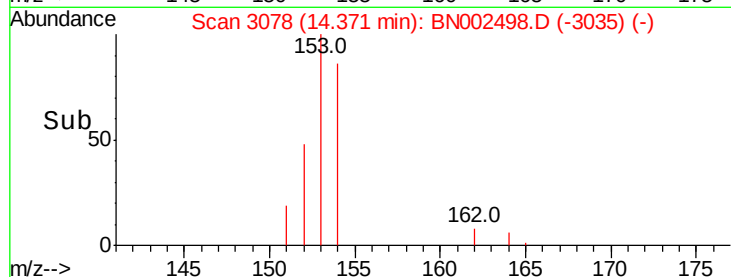
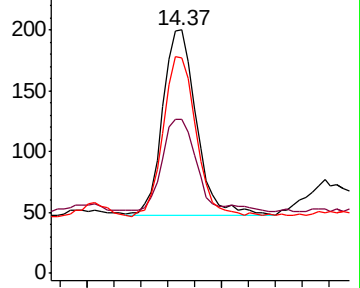
154 88.5 72.0 108.0



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: 0.065 ng/ul

RT: 15.36 min Scan# 3292

Delta R.T. -0.00 min

Lab File: BN002498.D

Acq: 24 Aug 2018 12:23

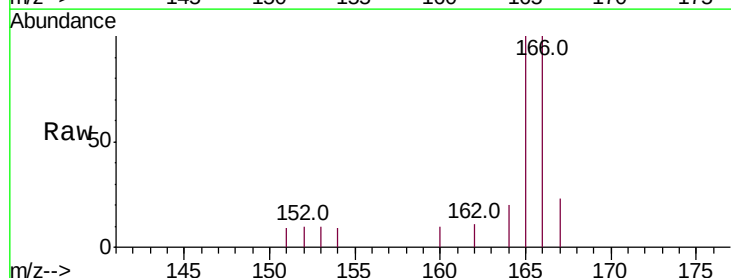
Tgt Ion:166 Resp: 851

Ion Ratio Lower Upper

166 100

165 100.2 73.4 110.2

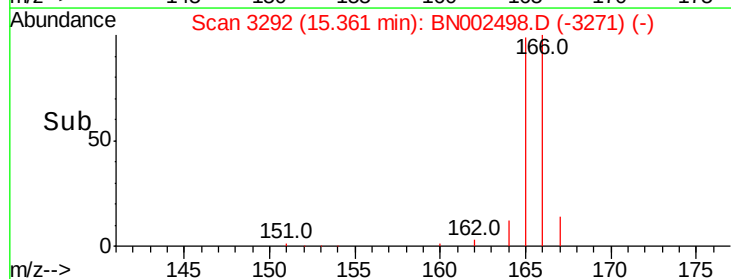
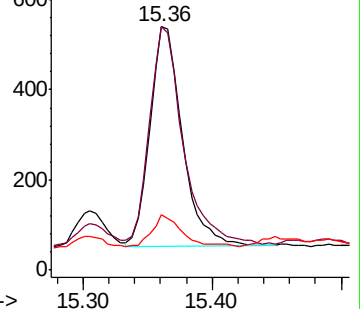
167 22.6 14.6 22.0#

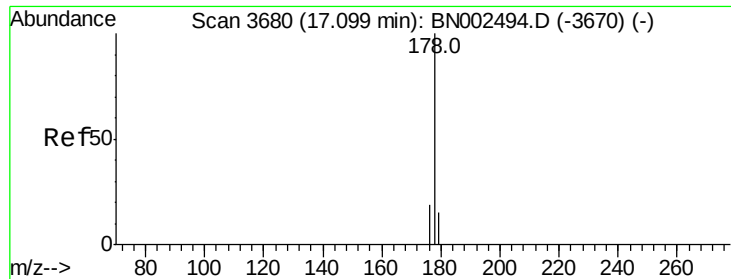


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.637 ng/ul

RT: 17.09 min Scan# 3679

Delta R.T. -0.01 min

Lab File: BN002498.D

Acq: 24 Aug 2018 12:23

Instrument :

BNA_N

ClientSampleId :

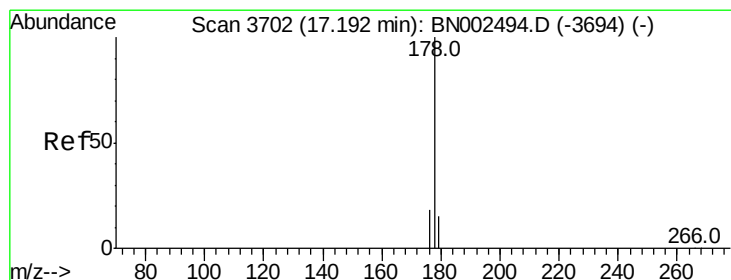
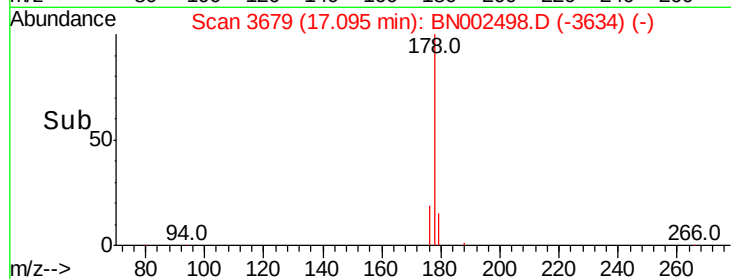
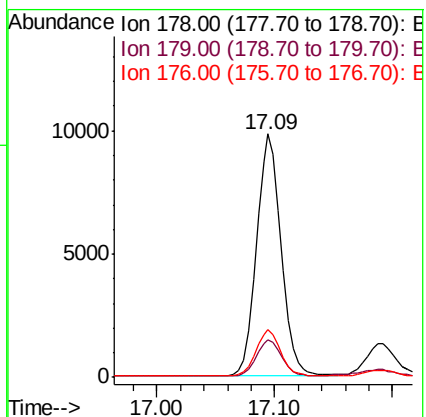
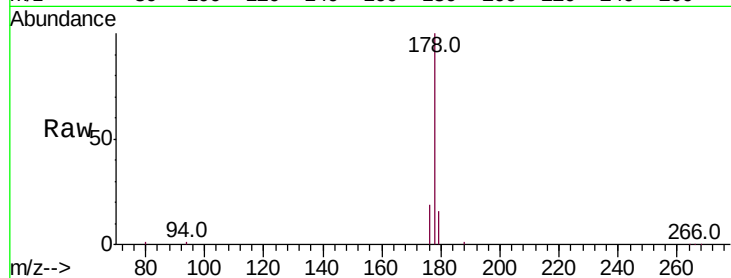
Tot Ion:178 Resp: 14369

Ion Ratio Lower Upper

178 100

179 15.7 18.4 27.6#

176 19.4 13.6 20.4



#13

Anthracene

Concen: 0.112 ng/ul

RT: 17.19 min Scan# 3702

Delta R.T. -0.00 min

Lab File: BN002498.D

Acq: 24 Aug 2018 12:23

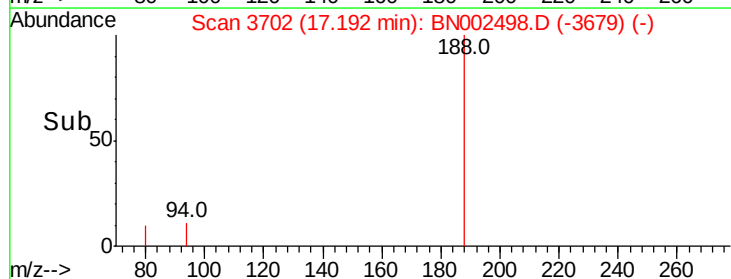
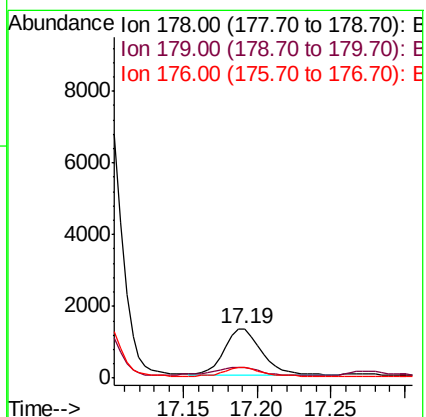
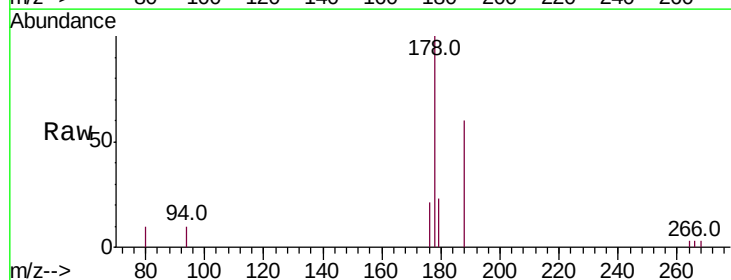
Tgt Ion:178 Resp: 2181

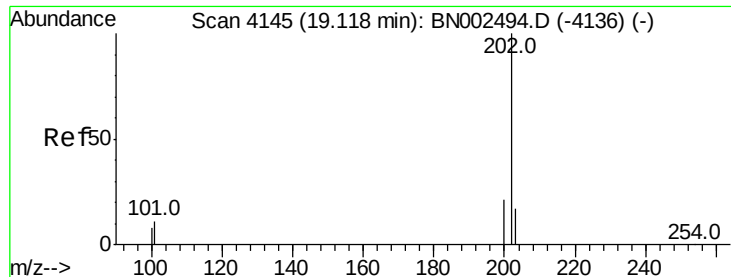
Ion Ratio Lower Upper

178 100

179 22.7 18.1 27.1

176 21.3 14.7 22.1





#15

Fluoranthene

Concen: 0.872 ng/ul

RT: 19.12 min Scan# 4145

Delta R.T. -0.00 min

Lab File: BN002498.D

Acq: 24 Aug 2018 12:23

Instrument :

BNA_N

ClientSampleId :

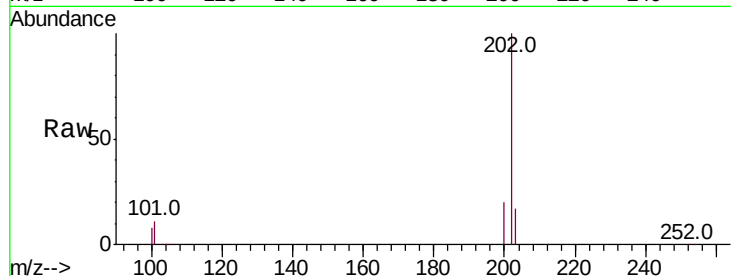
Tot Ion:202 Resp: 23133

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.0

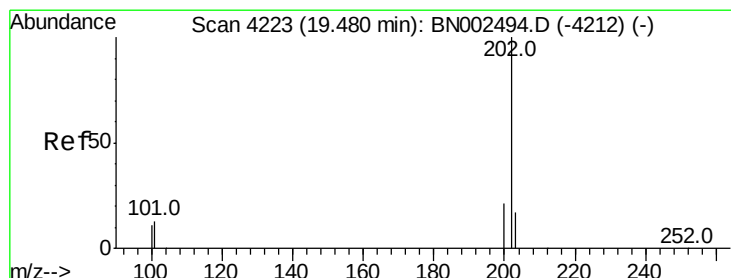
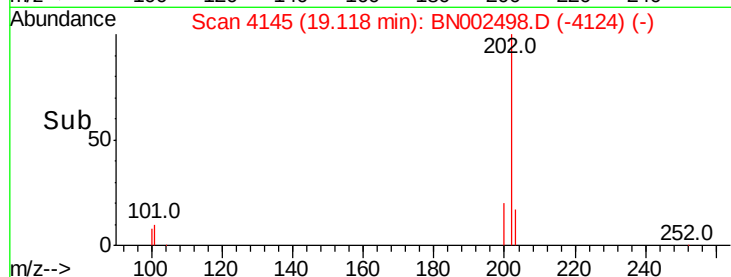
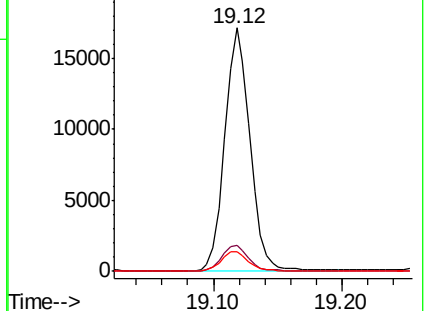
100 8.2 0.0 30.0



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



#17

Pyrene

Concen: 0.707 ng/ul

RT: 19.48 min Scan# 4223

Delta R.T. -0.01 min

Lab File: BN002498.D

Acq: 24 Aug 2018 12:23

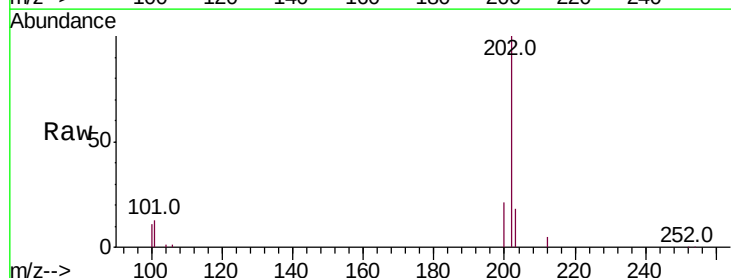
Tgt Ion:202 Resp: 21416

Ion Ratio Lower Upper

202 100

101 12.9 12.0 18.0

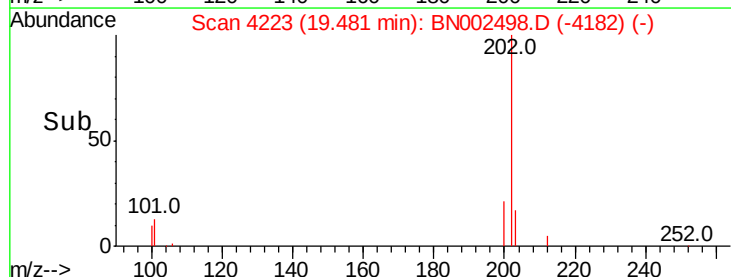
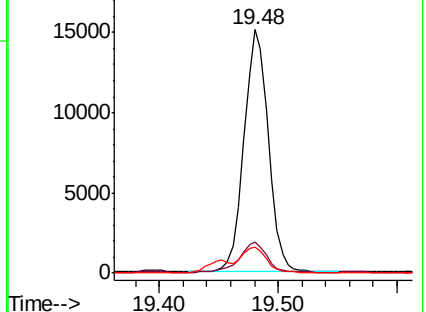
100 10.6 8.0 12.0

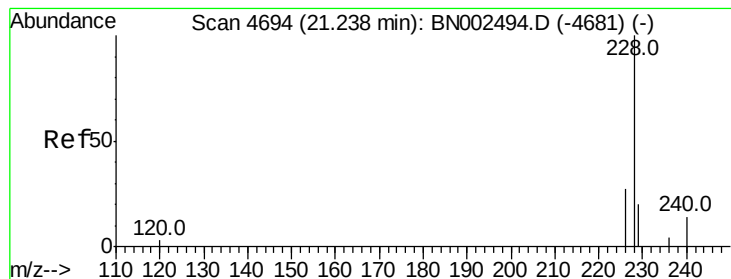


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.363 ng/ul

RT: 21.24 min Scan# 4695

Delta R.T. -0.00 min

Lab File: BN002498.D

Acq: 24 Aug 2018 12:23

Instrument :

BNA_N

ClientSampleId :

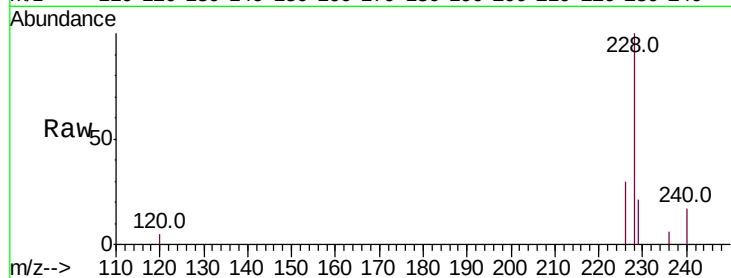
Tot Ion:228 Resp: 9638

Ion Ratio Lower Upper

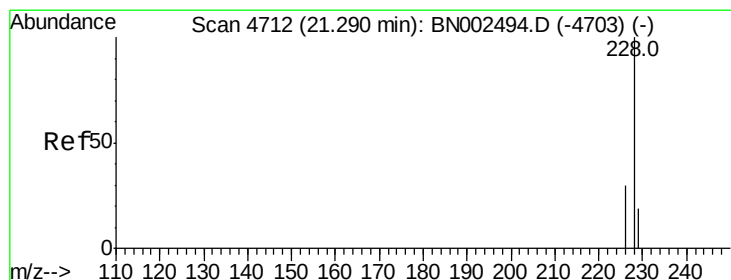
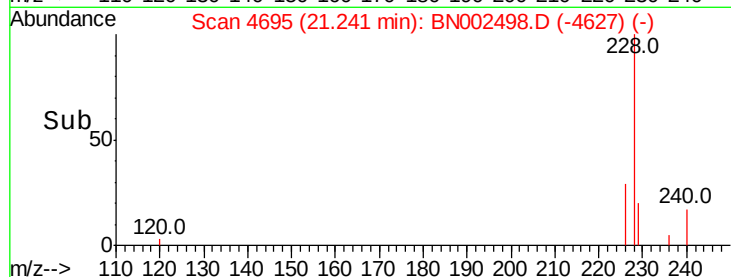
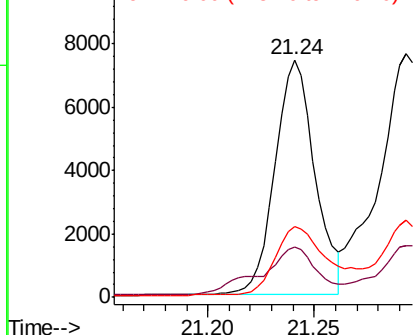
228 100

229 21.1 22.8 34.2#

226 29.6 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: 0.392 ng/ul

RT: 21.29 min Scan# 4713

Delta R.T. -0.00 min

Lab File: BN002498.D

Acq: 24 Aug 2018 12:23

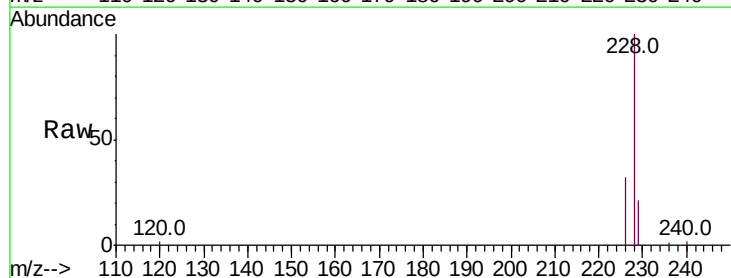
Tgt Ion:228 Resp: 11768

Ion Ratio Lower Upper

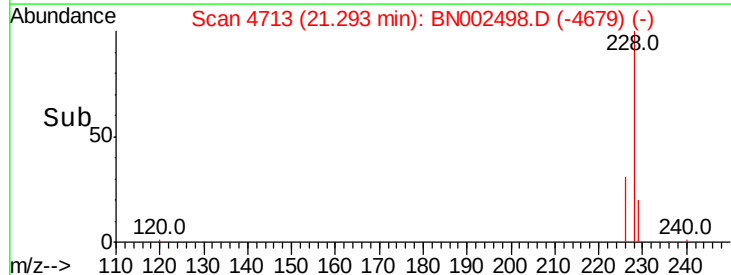
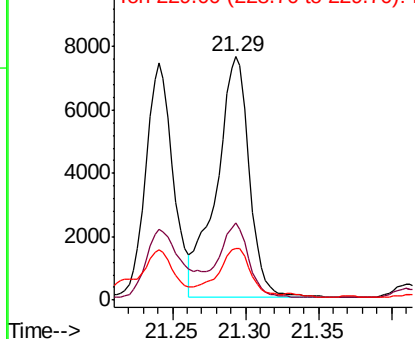
228 100

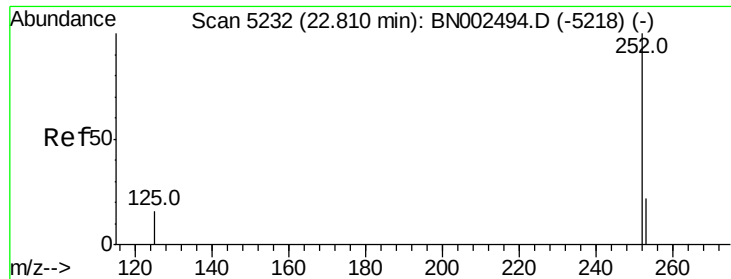
226 31.7 23.4 35.0

229 21.4 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: 0.684 ng/ul

RT: 22.82 min Scan# 5234

Delta R.T. 0.00 min

Lab File: BN002498.D

Acq: 24 Aug 2018 12:23

Instrument :

BNA_N

ClientSampleId :

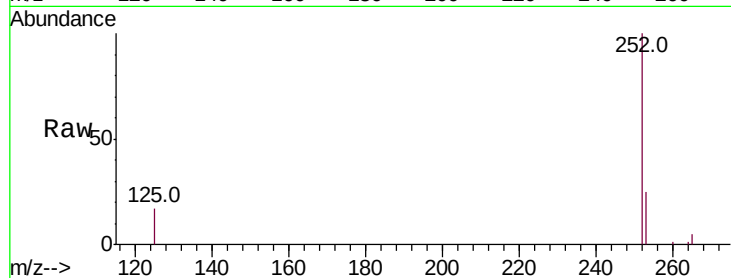
Tot Ion:252 Resp: 23230

Ion Ratio Lower Upper

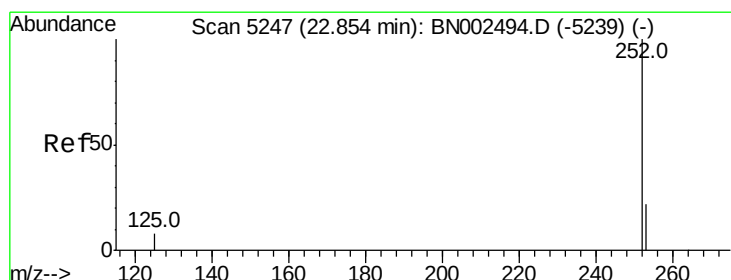
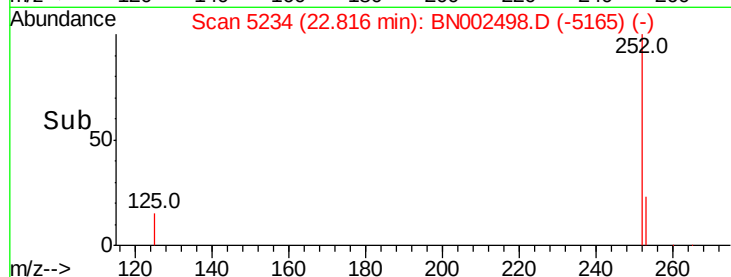
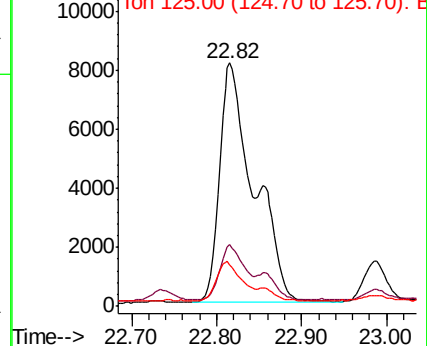
252 100

253 25.2 0.0 64.2

125 17.2 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: 0.662 ng/ul

RT: 22.82 min Scan# 5234

Delta R.T. -0.04 min

Lab File: BN002498.D

Acq: 24 Aug 2018 12:23

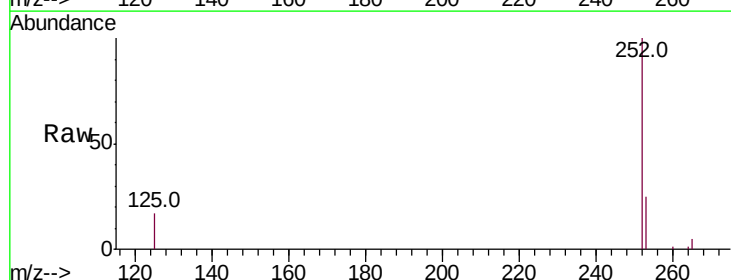
Tgt Ion:252 Resp: 23225

Ion Ratio Lower Upper

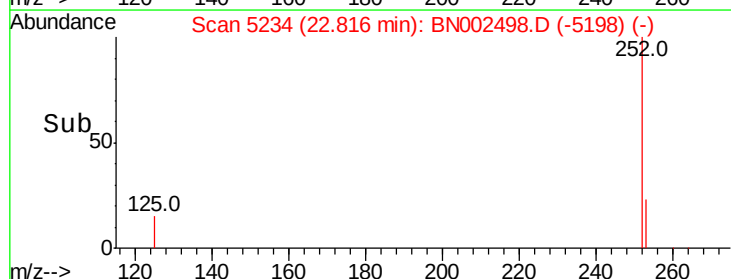
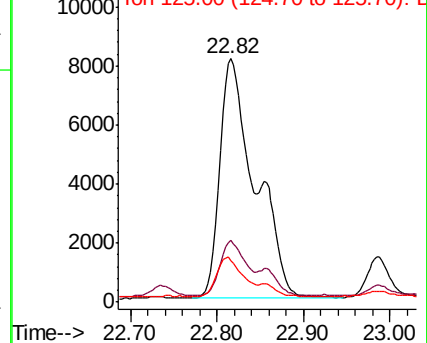
252 100

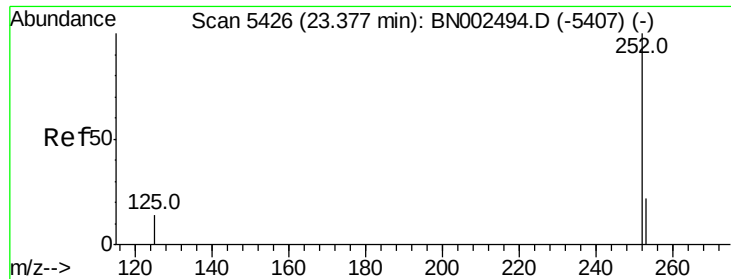
253 25.2 24.5 36.7

125 17.2 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: 0.357 ng/ul

RT: 23.38 min Scan# 5427

Delta R.T. -0.00 min

Lab File: BN002498.D

Acq: 24 Aug 2018 12:23

Instrument :

BNA_N

ClientSampleId :

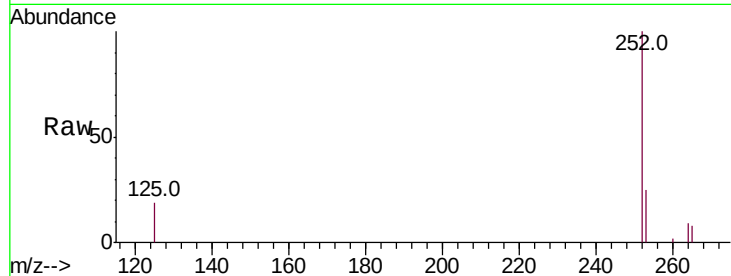
Tot Ion:252 Resp: 11405

Ion Ratio Lower Upper

252 100

253 25.5 16.0 24.0#

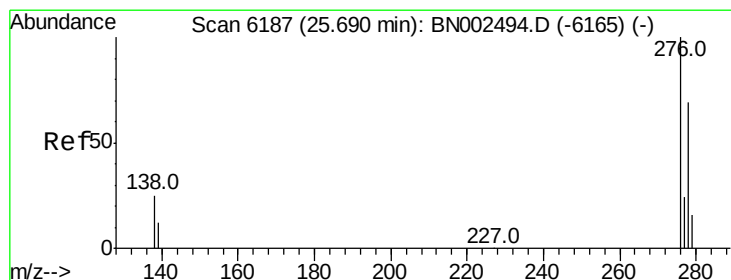
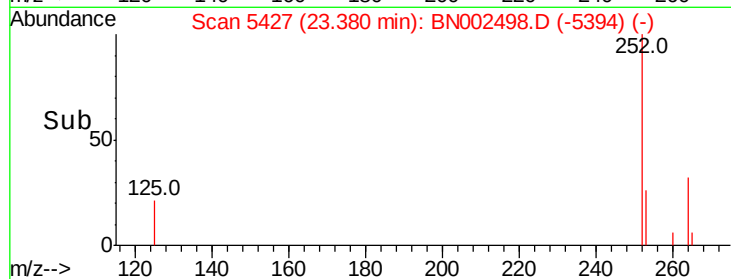
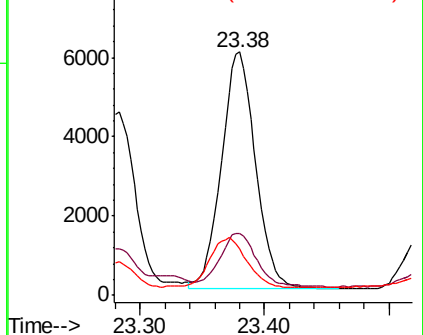
125 19.1 12.0 18.0#



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: 0.237 ng/ul

RT: 25.70 min Scan# 6189

Delta R.T. -0.00 min

Lab File: BN002498.D

Acq: 24 Aug 2018 12:23

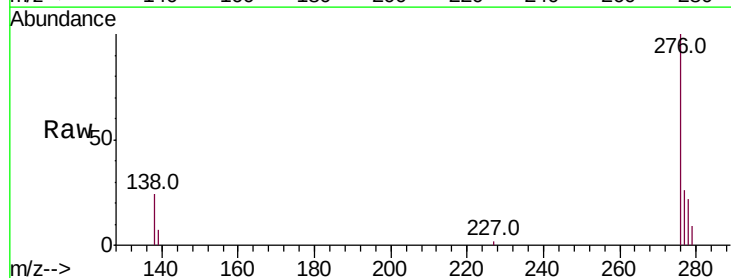
Tgt Ion:276 Resp: 7890

Ion Ratio Lower Upper

276 100

138 22.5 28.0 42.0#

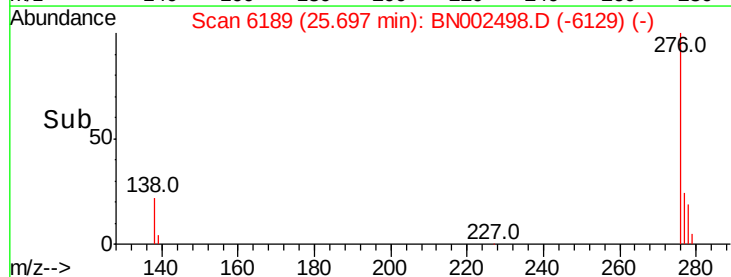
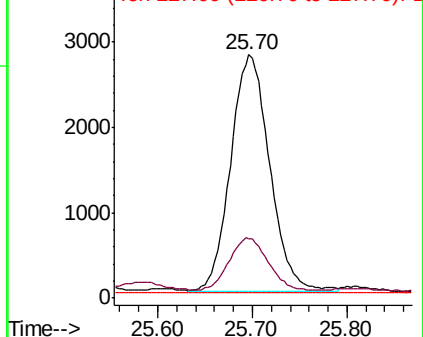
227 0.3 0.8 1.2#

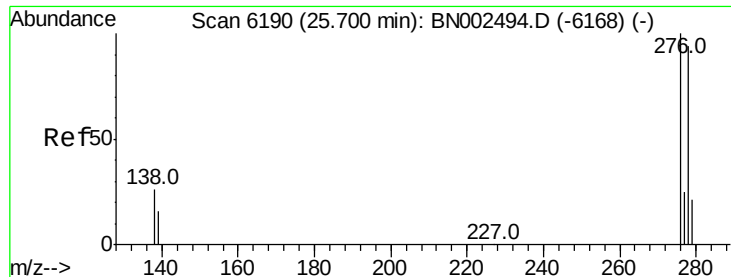


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

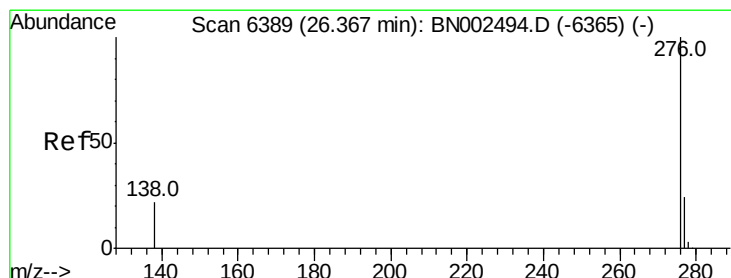
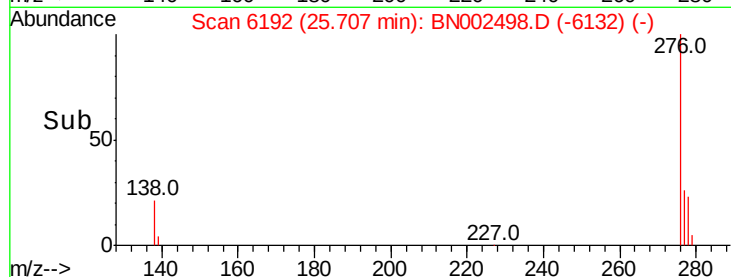
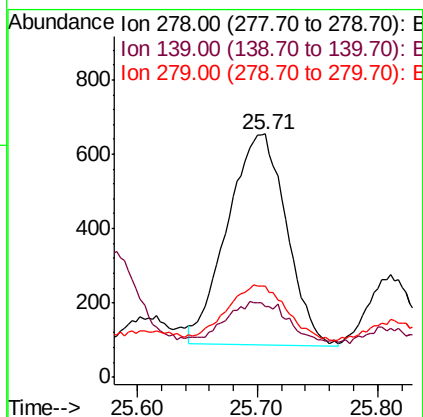
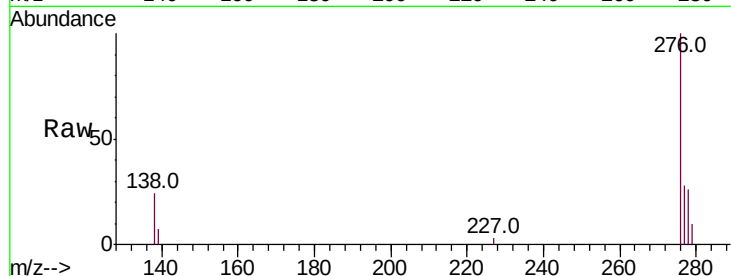




#25
Dibenzo(a,h)anthracene
Concen: 0.073 ng/ul
RT: 25.71 min Scan# 6192
Delta R.T. -0.00 min
Lab File: BN002498.D
Acq: 24 Aug 2018 12:23

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 1925
Ion Ratio Lower Upper
278 100
139 28.9 17.4 26.0#
279 37.3 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.259 ng/ul
RT: 26.37 min Scan# 6390
Delta R.T. -0.01 min
Lab File: BN002498.D
Acq: 24 Aug 2018 12:23

Tgt Ion:276 Resp: 7383
Ion Ratio Lower Upper
276 100
138 25.9 21.8 32.8
277 24.5 20.5 30.7

