

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\
 Data File : BN002500.D
 Acq On : 24 Aug 2018 13:34
 Operator : JU/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 24 15:06:32 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

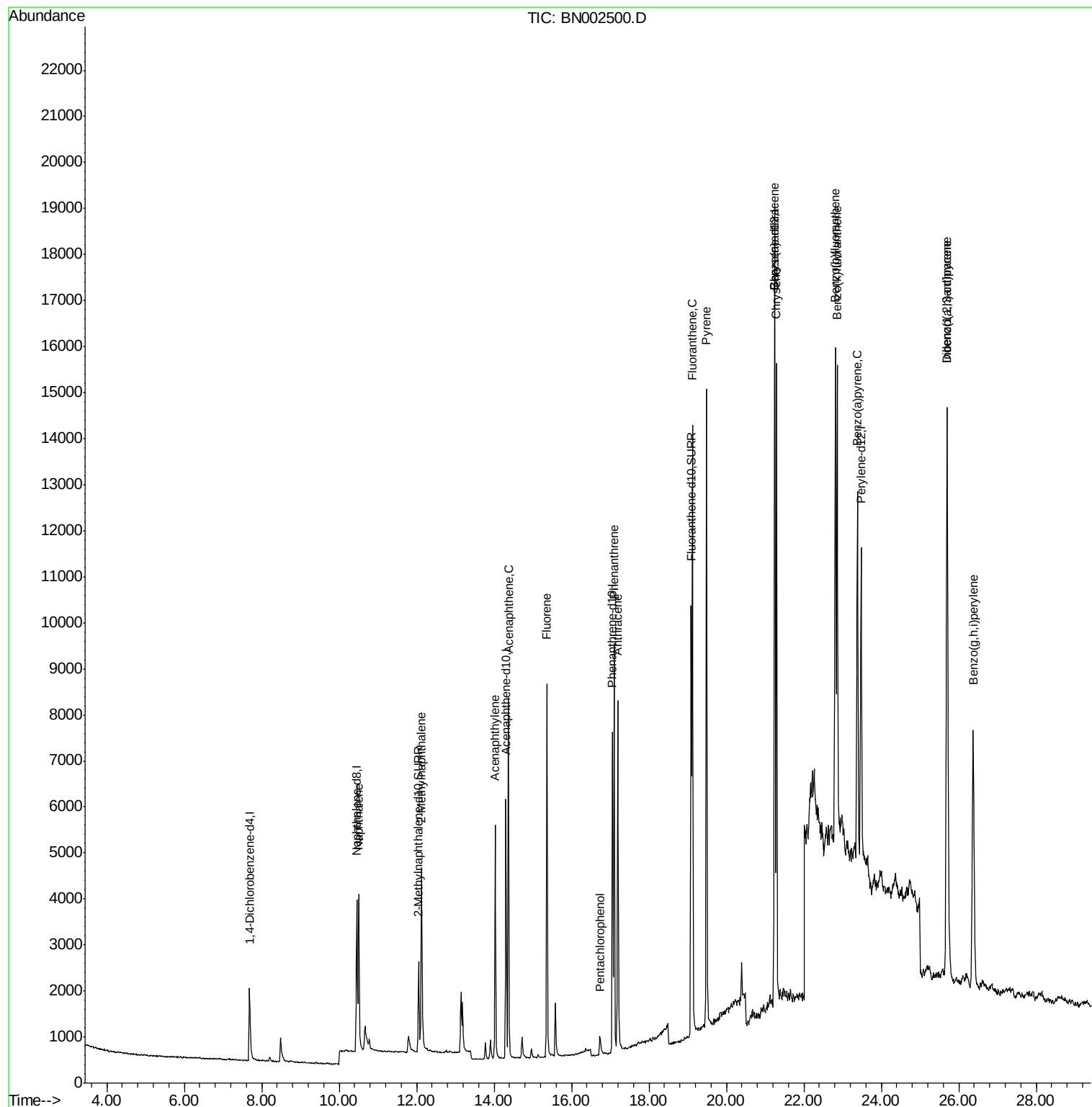
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	1156	0.40	ng/ul	0.00
2) Naphthalene-d8	10.45	136	5253	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	3281	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.06	188	8553	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	9325	0.40	ng/ul	0.00
20) Perylene-d12	23.48	264	9802	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	3474	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	11321	0.45	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.50	128	5455	0.403	ng/ul#	96
5) 2-Methylnaphthalene	12.13	142	3941	0.418	ng/ul	98
7) Acenaphthylene	14.03	152	6513	0.424	ng/ul	97
8) Acenaphthene	14.37	153	4770	0.407	ng/ul	95
9) Fluorene	15.37	166	5547	0.413	ng/ul	92
11) Pentachlorophenol	16.74	266	548	0.475	ng/ul	98
12) Phenanthrene	17.10	178	9960	0.394	ng/ul#	90
13) Anthracene	17.20	178	9907	0.456	ng/ul#	93
15) Fluoranthene	19.12	202	12720	0.428	ng/ul	97
17) Pyrene	19.49	202	13180	0.414	ng/ul	96
18) Benzo(a)anthracene	21.24	228	12782	0.458	ng/ul#	87
19) Chrysene	21.29	228	12608	0.400	ng/ul	98
21) Benzo(b)fluoranthene	22.81	252	13213	0.375	ng/ul#	56
22) Benzo(k)fluoranthene	22.86	252	13924	0.383	ng/ul#	57
23) Benzo(a)pyrene	23.38	252	13113	0.396	ng/ul#	42
24) Indeno(1,2,3-cd)pyrene	25.70	276	14750	0.428	ng/ul#	88
25) Dibenzo(a,h)anthracene	25.70	278	11749	0.432	ng/ul#	73
26) Benzo(g,h,i)perylene	26.37	276	12528	0.424	ng/ul#	94

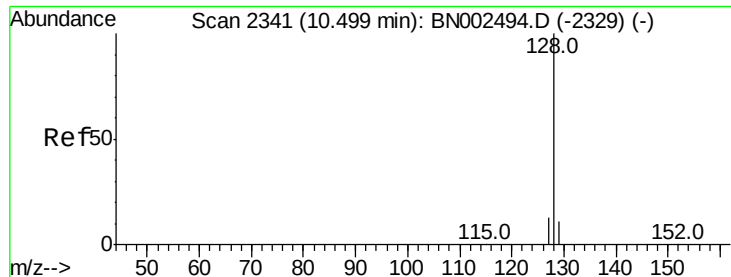
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.403 ng/ul

RT: 10.50 min Scan# 2341

Delta R.T. -0.01 min

Lab File: BN002500.D

Acq: 24 Aug 2018 13:34

Instrument :

BNA_N

ClientSampleId :

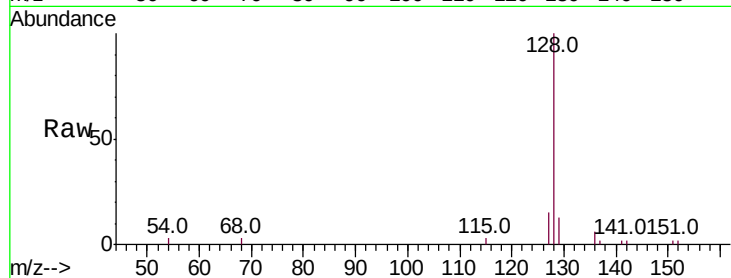
Tot Ion:128 Resp: 5455

Ion Ratio Lower Upper

128 100

129 13.3 8.0 12.0#

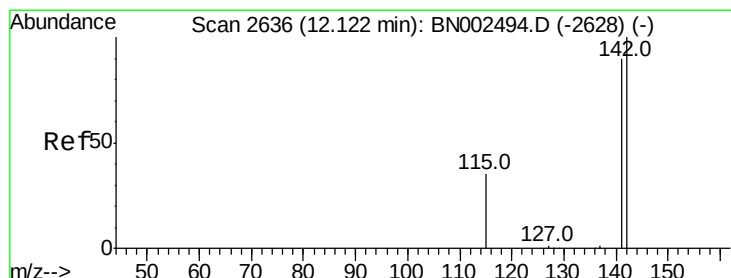
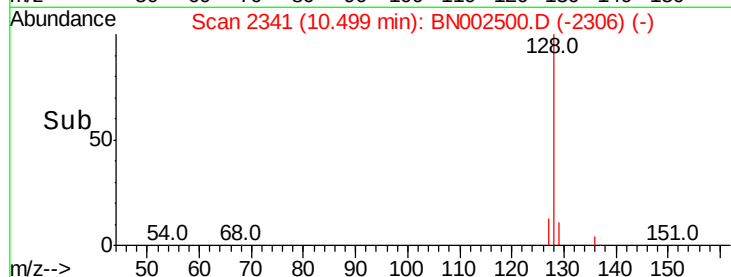
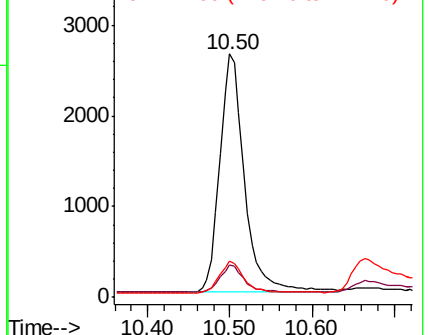
127 15.0 12.0 18.0



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



#5

2-Methylnaphthalene

Concen: 0.418 ng/ul

RT: 12.13 min Scan# 2637

Delta R.T. 0.00 min

Lab File: BN002500.D

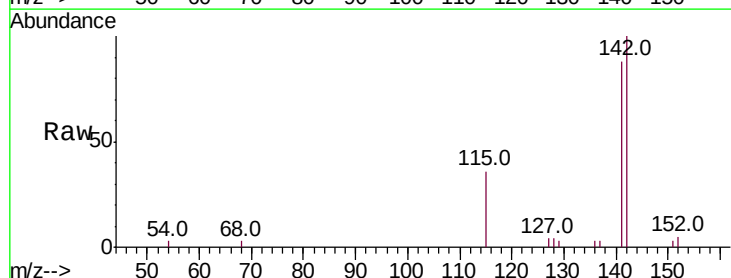
Acq: 24 Aug 2018 13:34

Tgt Ion:142 Resp: 3941

Ion Ratio Lower Upper

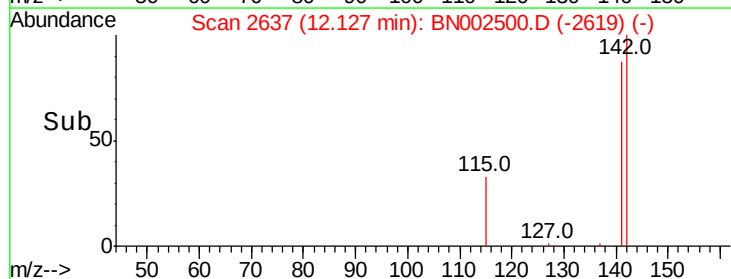
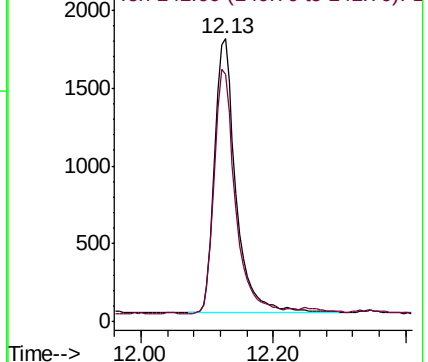
142 100

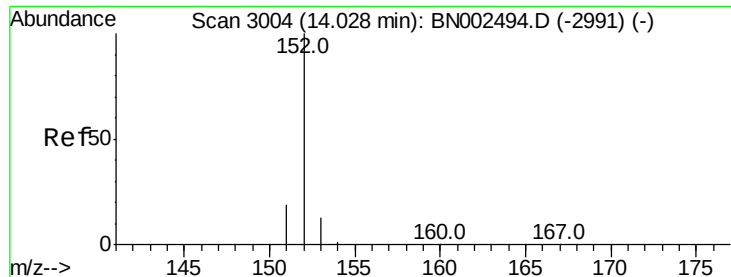
141 88.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.424 ng/ul

RT: 14.03 min Scan# 3004

Delta R.T. -0.00 min

Lab File: BN002500.D

Acq: 24 Aug 2018 13:34

Instrument :

BNA_N

ClientSampleId :

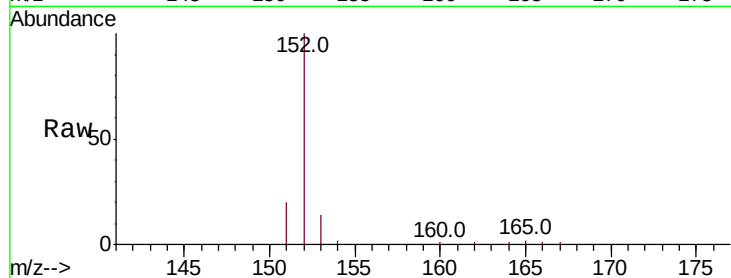
Tot Ion:152 Resp: 6513

Ion Ratio Lower Upper

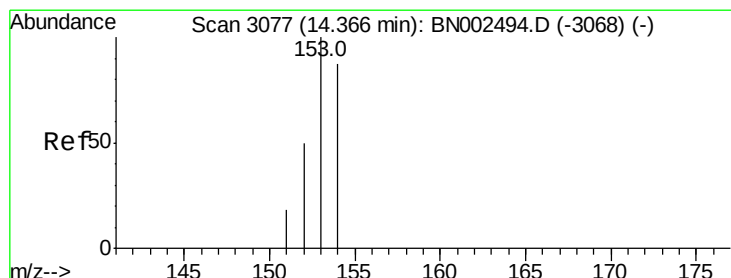
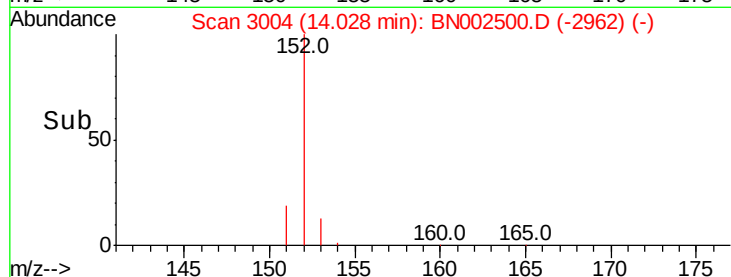
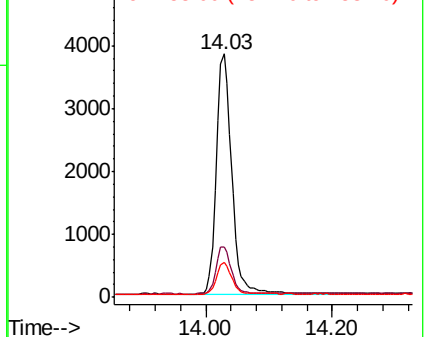
152 100

151 20.4 17.1 25.7

153 14.1 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



#8

Acenaphthene

Concen: 0.407 ng/ul

RT: 14.37 min Scan# 3078

Delta R.T. 0.00 min

Lab File: BN002500.D

Acq: 24 Aug 2018 13:34

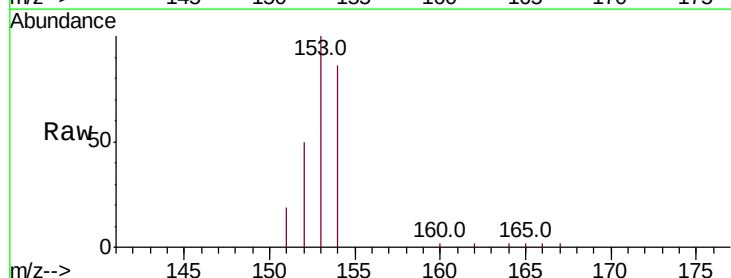
Tgt Ion:153 Resp: 4770

Ion Ratio Lower Upper

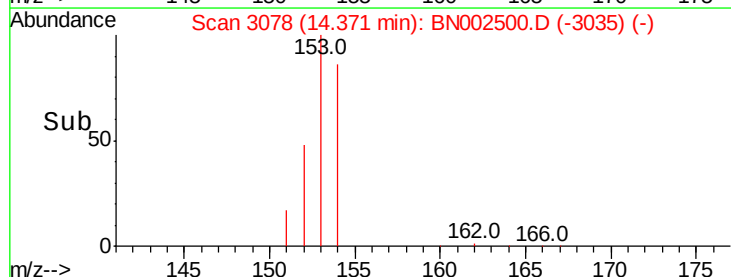
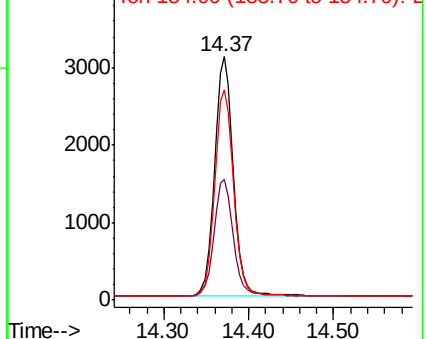
153 100

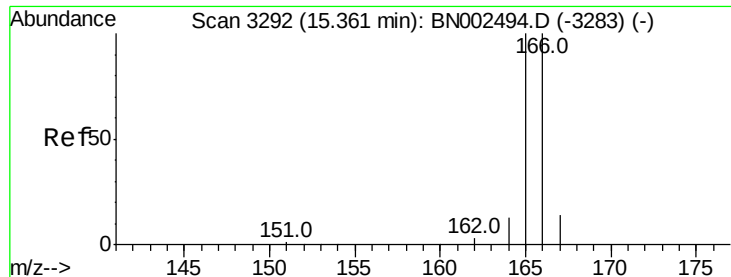
152 49.6 36.0 54.0

154 86.4 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: 0.413 ng/ul

RT: 15.37 min Scan# 3293

Delta R.T. 0.00 min

Lab File: BN002500.D

Acq: 24 Aug 2018 13:34

Instrument :

BNA_N

ClientSampleId :

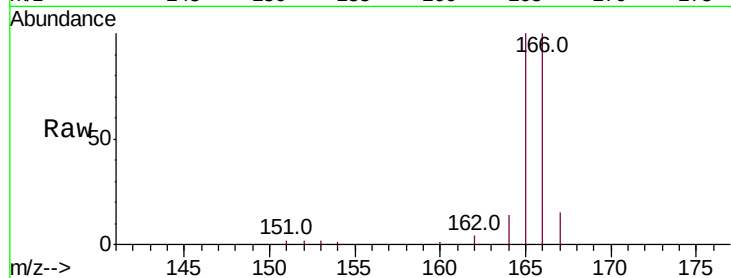
Tot Ion:166 Resp: 5547

Ion Ratio Lower Upper

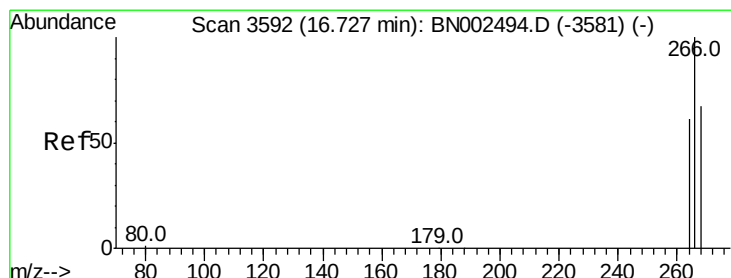
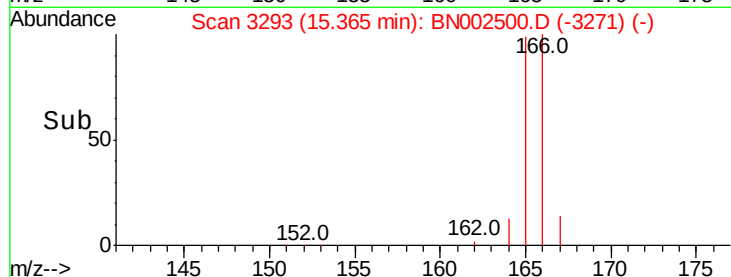
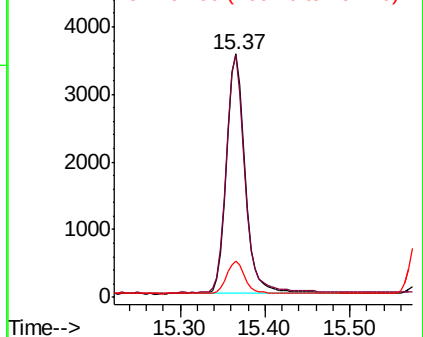
166 100

165 99.7 73.4 110.2

167 15.0 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



#11

Pentachlorophenol

Concen: 0.475 ng/ul

RT: 16.74 min Scan# 3594

Delta R.T. -0.00 min

Lab File: BN002500.D

Acq: 24 Aug 2018 13:34

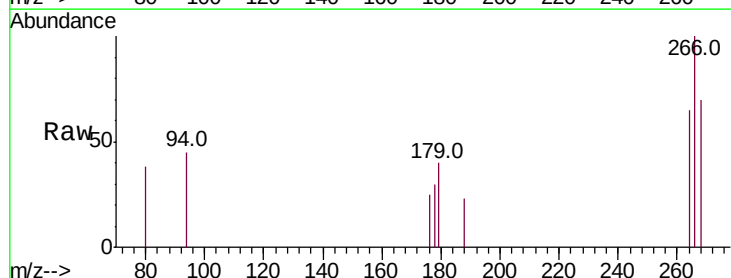
Tgt Ion:266 Resp: 548

Ion Ratio Lower Upper

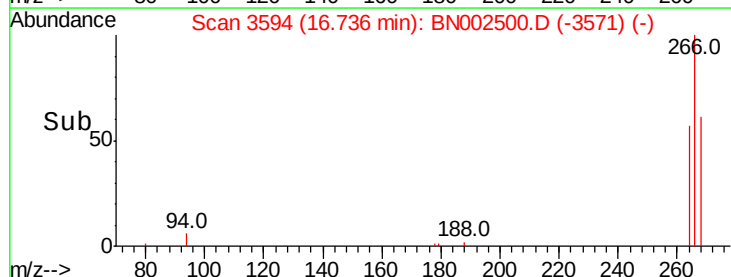
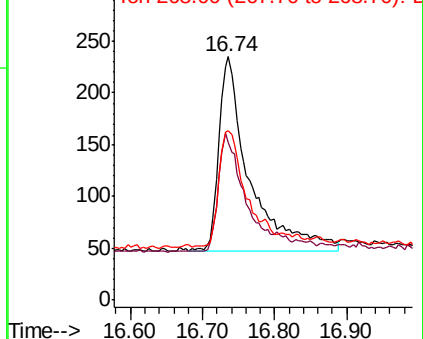
266 100

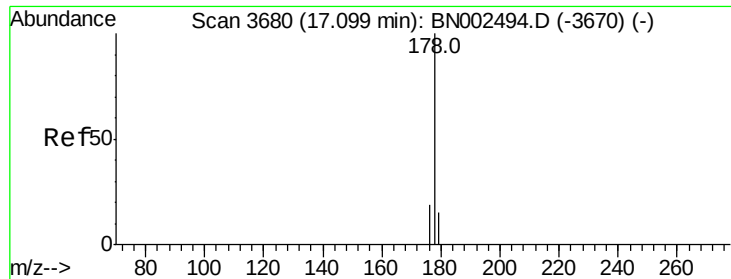
264 59.1 47.9 71.9

268 60.4 49.8 74.8



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

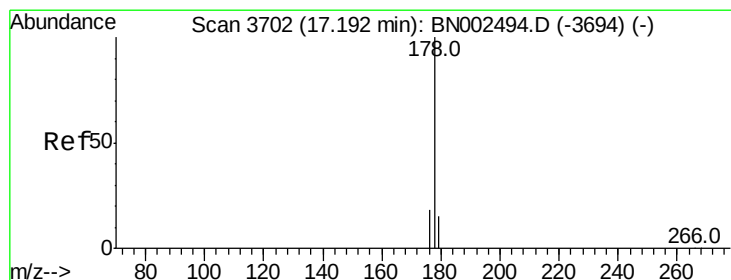
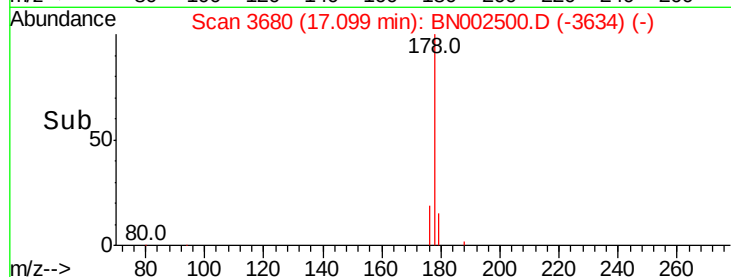
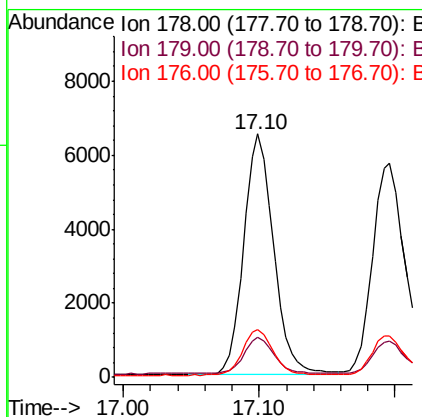
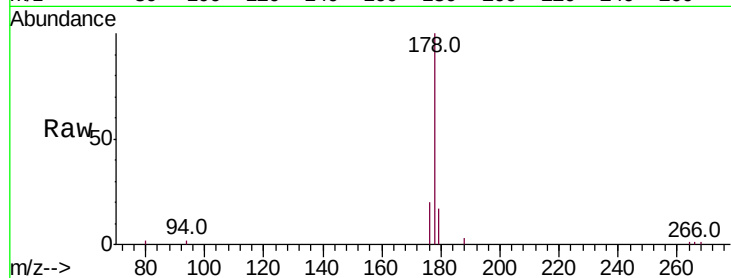




#12
Phenanthrene
Concen: 0.394 ng/ul
RT: 17.10 min Scan# 3680
Delta R.T. -0.00 min
Lab File: BN002500.D
Acq: 24 Aug 2018 13:34

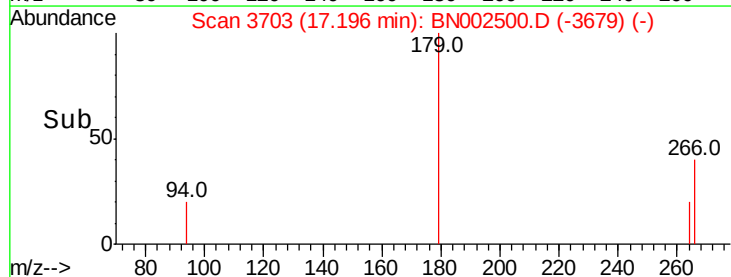
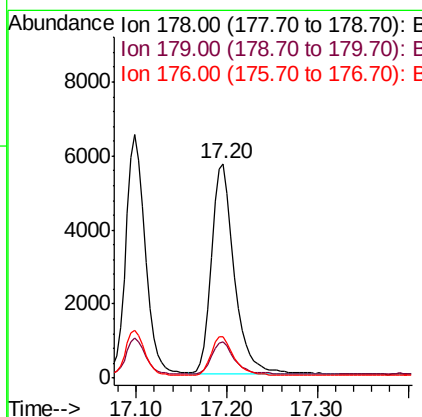
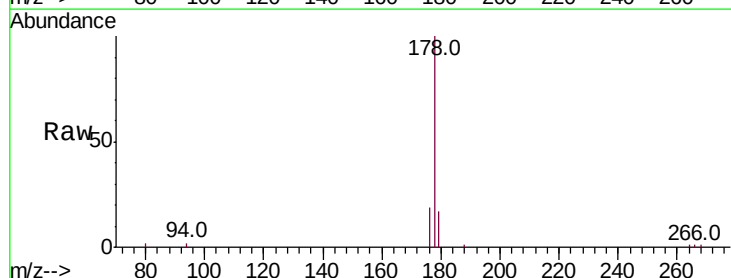
Instrument :
BNA_N
ClientSampleId :

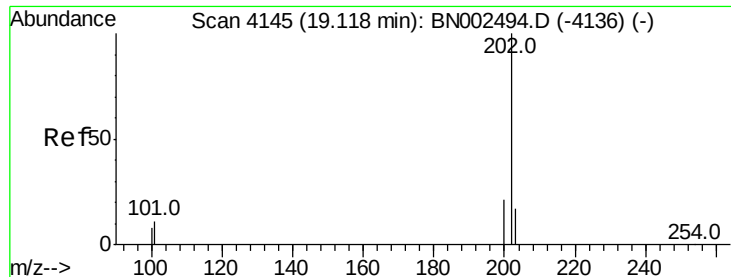
Tot Ion:178 Resp: 9960
Ion Ratio Lower Upper
178 100
179 16.6 18.4 27.6#
176 19.9 13.6 20.4



#13
Anthracene
Concen: 0.456 ng/ul
RT: 17.20 min Scan# 3703
Delta R.T. 0.00 min
Lab File: BN002500.D
Acq: 24 Aug 2018 13:34

Tgt Ion:178 Resp: 9907
Ion Ratio Lower Upper
178 100
179 17.0 18.1 27.1#
176 19.0 14.7 22.1

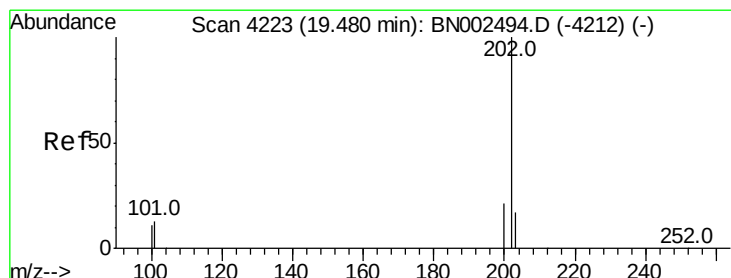
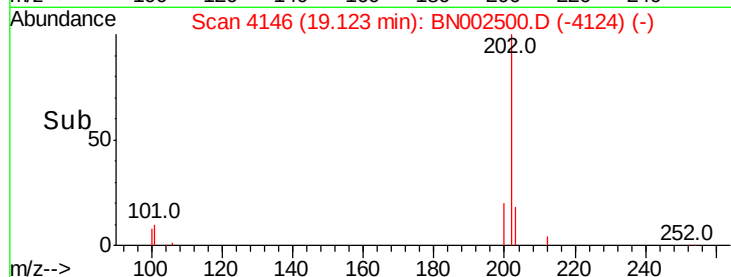
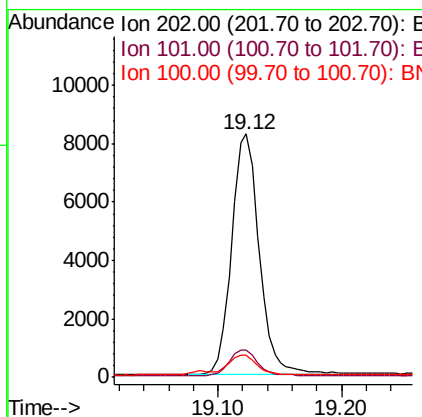
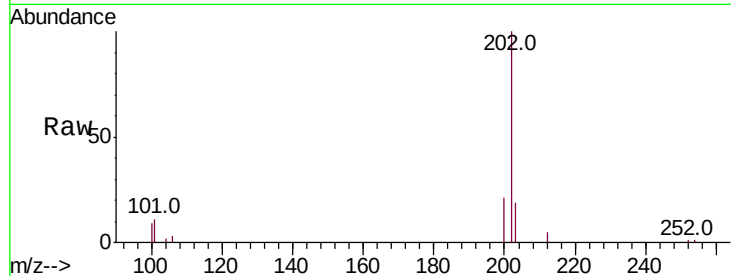




#15
Fluoranthene
 Concen: 0.428 ng/ul
 RT: 19.12 min Scan# 4146
 Delta R.T. 0.00 min
 Lab File: BN002500.D
 Acq: 24 Aug 2018 13:34

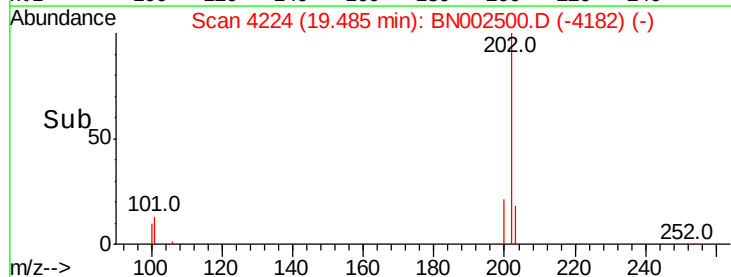
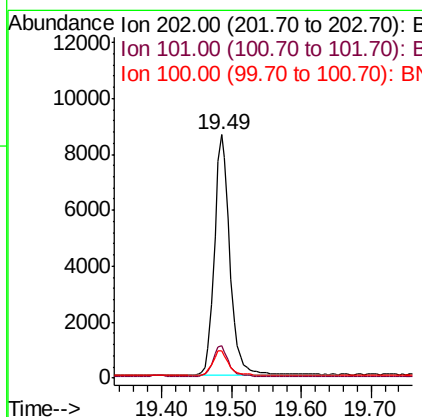
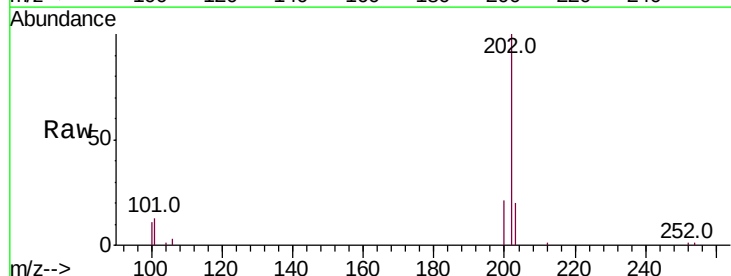
Instrument :
 BNA_N
 ClientSampleId :

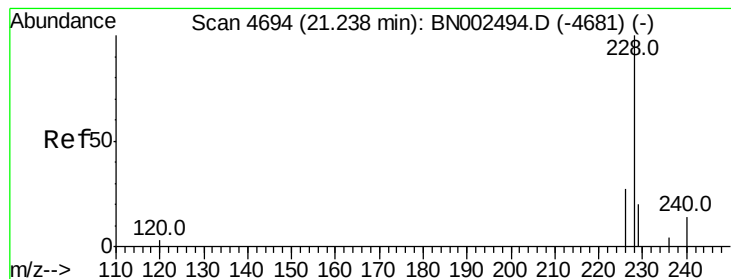
Tot Ion:202 Resp: 12720
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 30.0
 100 8.9 0.0 30.0



#17
Pyrene
 Concen: 0.414 ng/ul
 RT: 19.49 min Scan# 4224
 Delta R.T. -0.00 min
 Lab File: BN002500.D
 Acq: 24 Aug 2018 13:34

Tgt Ion:202 Resp: 13180
 Ion Ratio Lower Upper
 202 100
 101 13.1 12.0 18.0
 100 11.2 8.0 12.0





#18

Benzo(a)anthracene

Concen: 0.458 ng/ul

RT: 21.24 min Scan# 4695

Delta R.T. 0.00 min

Lab File: BN002500.D

Acq: 24 Aug 2018 13:34

Instrument :

BNA_N

ClientSampleId :

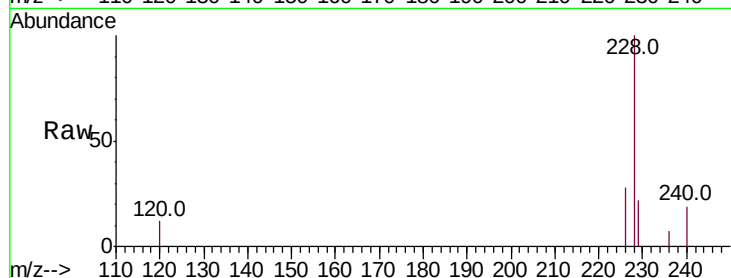
Tot Ion:228 Resp: 12782

Ion Ratio Lower Upper

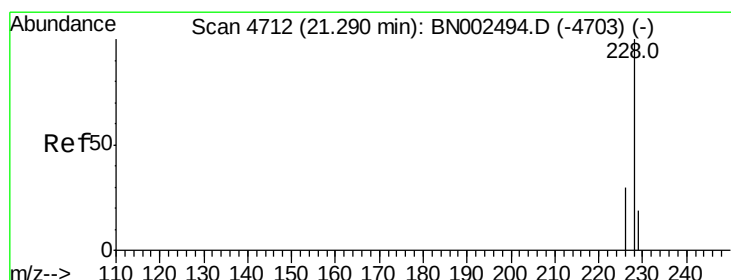
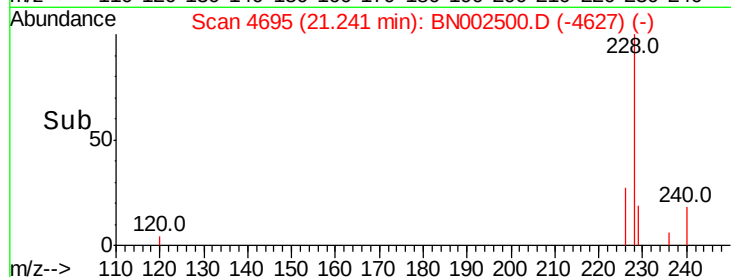
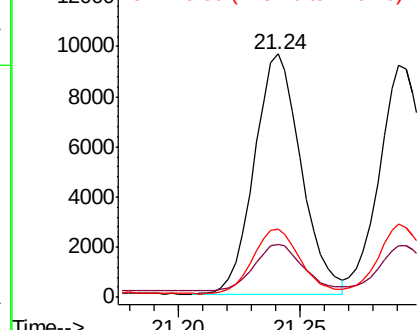
228 100

229 21.8 22.8 34.2#

226 27.9 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: 0.400 ng/ul

RT: 21.29 min Scan# 4712

Delta R.T. -0.00 min

Lab File: BN002500.D

Acq: 24 Aug 2018 13:34

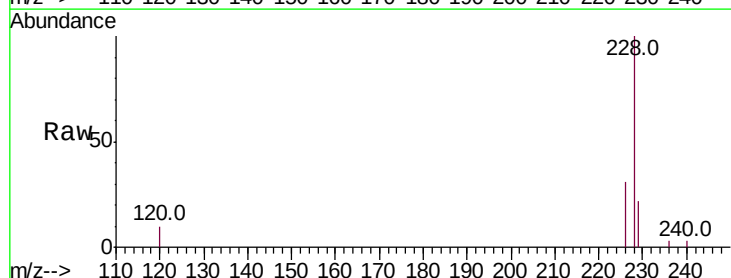
Tgt Ion:228 Resp: 12608

Ion Ratio Lower Upper

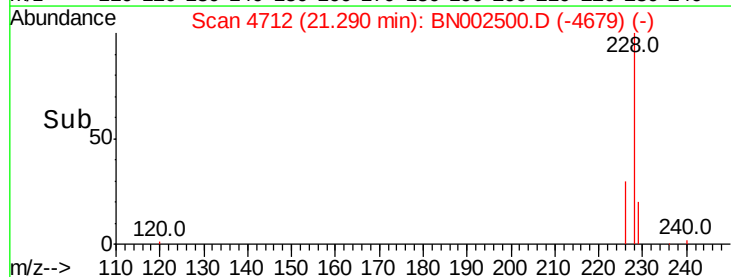
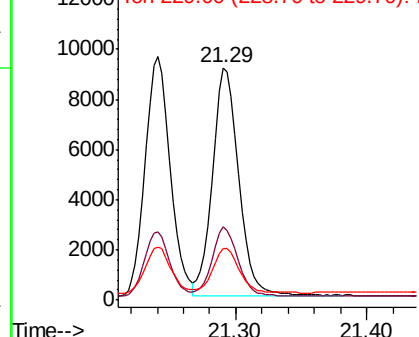
228 100

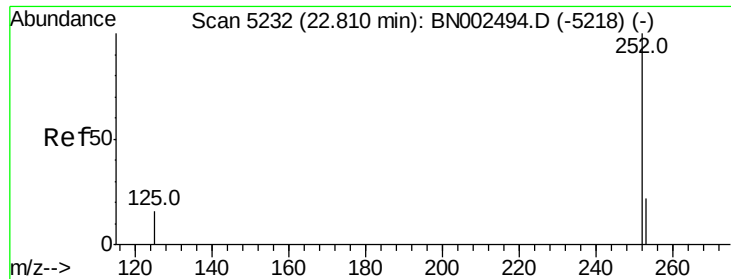
226 31.4 23.4 35.0

229 22.2 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: 0.375 ng/ul

RT: 22.81 min Scan# 5233

Delta R.T. 0.00 min

Lab File: BN002500.D

Acq: 24 Aug 2018 13:34

Instrument :

BNA_N

ClientSampleId :

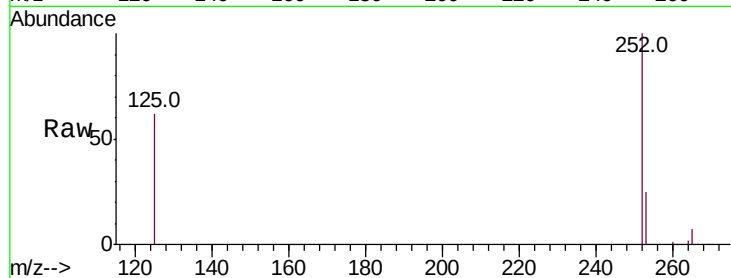
Tot Ion:252 Resp: 13213

Ion Ratio Lower Upper

252 100

253 25.1 0.0 64.2

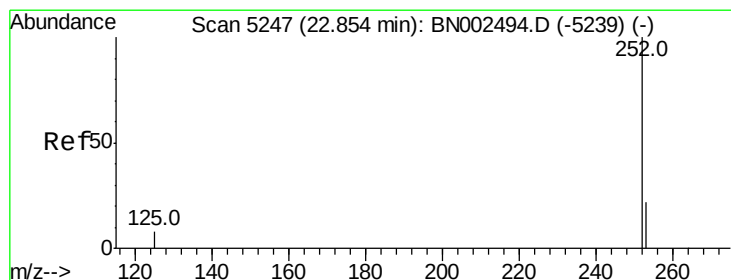
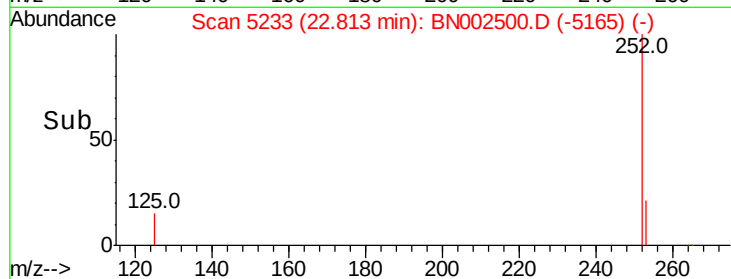
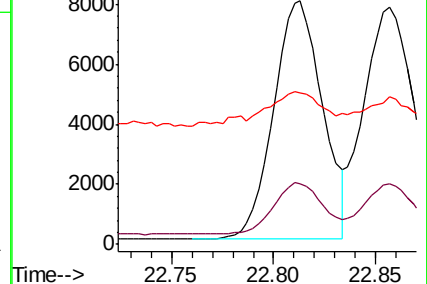
125 62.4 0.0 35.0#



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: 0.383 ng/ul

RT: 22.86 min Scan# 5248

Delta R.T. -0.00 min

Lab File: BN002500.D

Acq: 24 Aug 2018 13:34

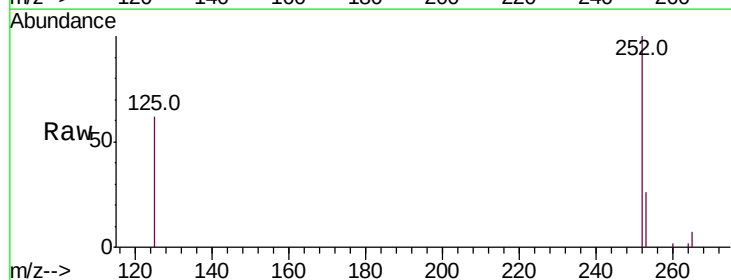
Tgt Ion:252 Resp: 13924

Ion Ratio Lower Upper

252 100

253 25.7 24.5 36.7

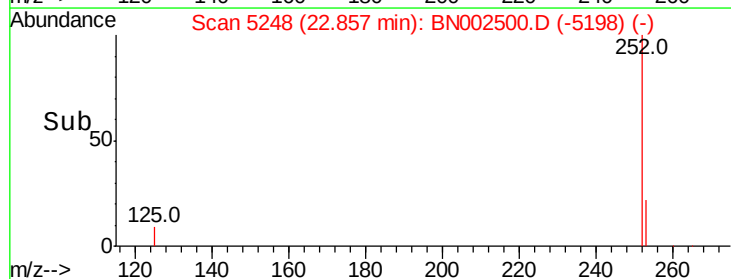
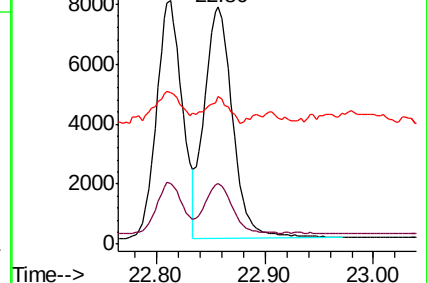
125 62.2 13.7 20.5#

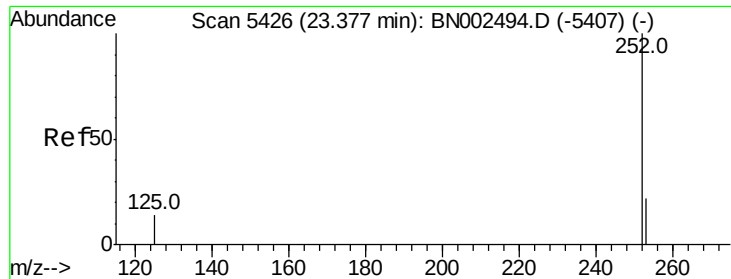


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.396 ng/ul

RT: 23.38 min Scan# 5427

Delta R.T. -0.00 min

Lab File: BN002500.D

Acq: 24 Aug 2018 13:34

Instrument :

BNA_N

ClientSampleId :

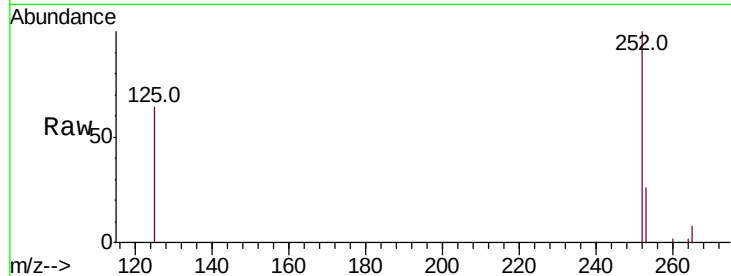
Tot Ion:252 Resp: 13113

Ion Ratio Lower Upper

252 100

253 26.1 16.0 24.0#

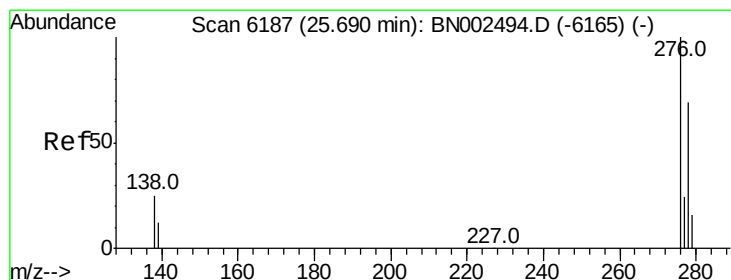
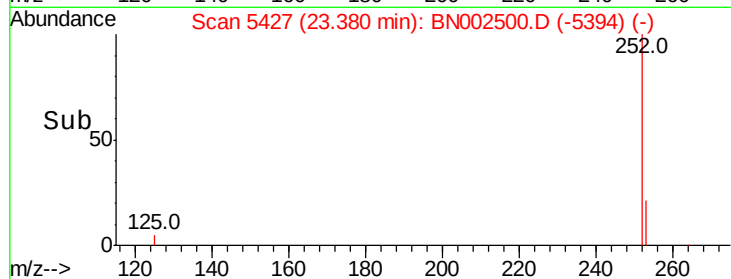
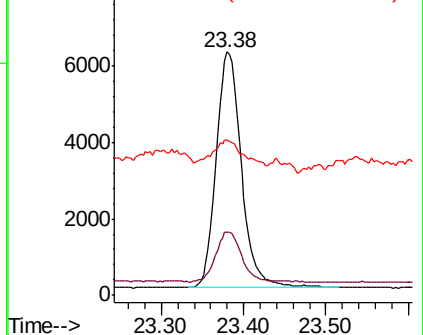
125 63.6 12.0 18.0#



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: 0.428 ng/ul

RT: 25.70 min Scan# 6189

Delta R.T. 0.00 min

Lab File: BN002500.D

Acq: 24 Aug 2018 13:34

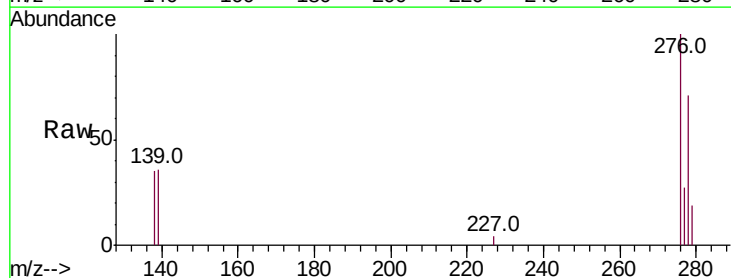
Tgt Ion:276 Resp: 14750

Ion Ratio Lower Upper

276 100

138 27.9 28.0 42.0#

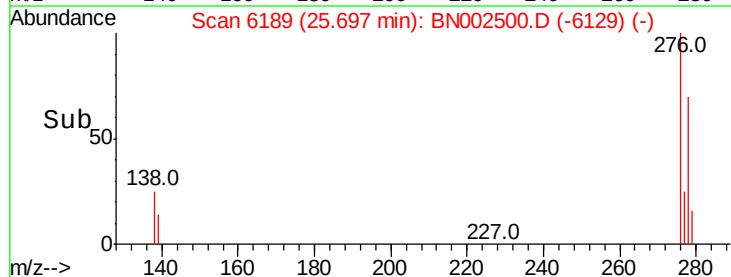
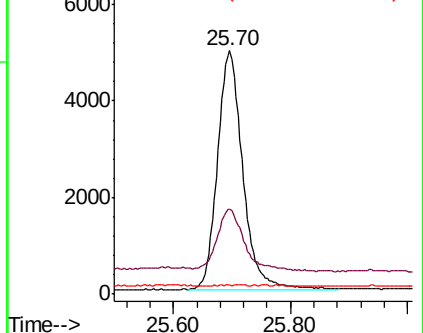
227 0.3 0.8 1.2#

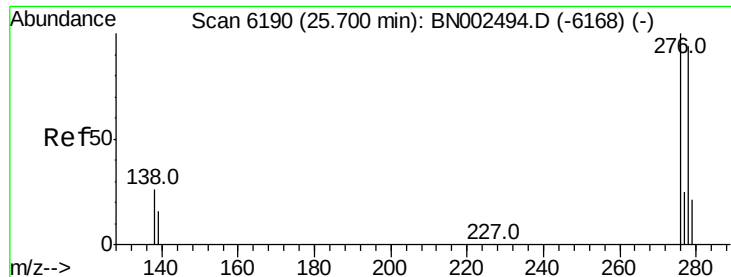


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.432 ng/ul

RT: 25.70 min Scan# 6191

Delta R.T. -0.00 min

Lab File: BN002500.D

Acq: 24 Aug 2018 13:34

Instrument :

BNA_N

ClientSampleId :

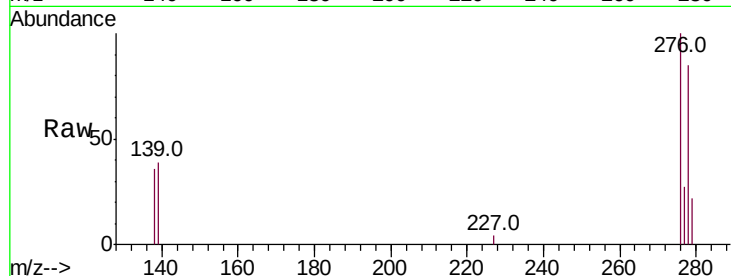
Tot Ion:278 Resp: 11749

Ion Ratio Lower Upper

278 100

139 46.2 17.4 26.0#

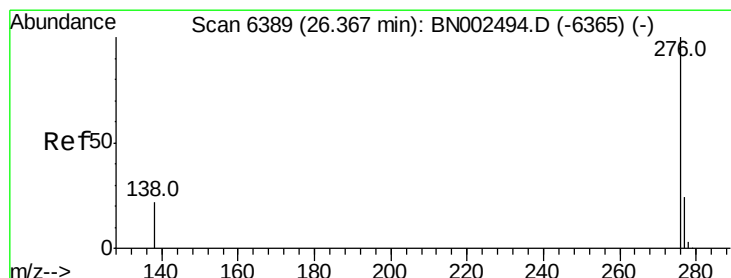
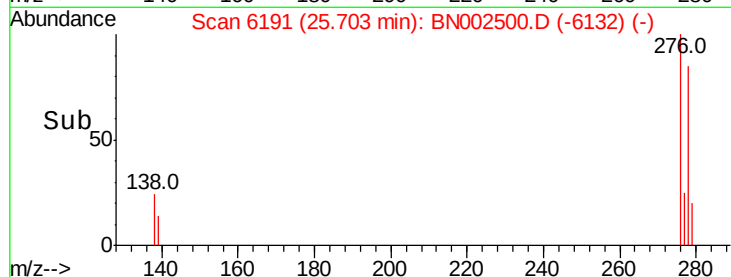
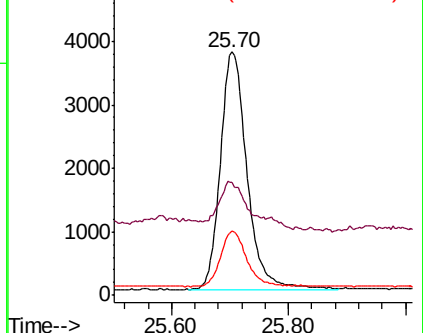
279 26.2 25.9 38.9



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(g,h,i)perylene

Concen: 0.424 ng/ul

RT: 26.37 min Scan# 6390

Delta R.T. -0.01 min

Lab File: BN002500.D

Acq: 24 Aug 2018 13:34

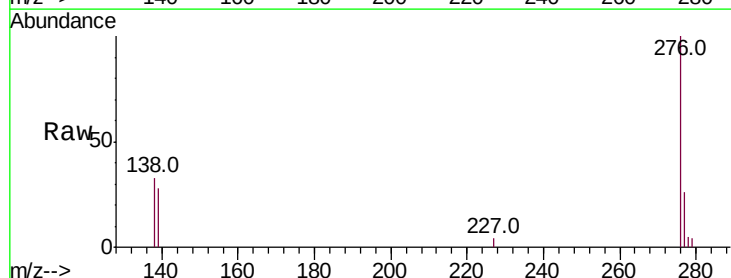
Tgt Ion:276 Resp: 12528

Ion Ratio Lower Upper

276 100

138 33.1 21.8 32.8#

277 25.9 20.5 30.7



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

