

Data File : BN003797.D
Acq On : 11 Dec 2018 02:29
Operator : JU/SJ
Sample : J6077-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F9Y32

Quant Time: Dec 11 04:27:39 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 11 04:22:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	6203	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	26679	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.48	164	17485	0.40	ng/ul	0.01
10) Phenanthrene-d10	17.33	188	971340	0.40	ng/ul	0.12
16) Chrysene-d12	21.52	240	3521	0.40	ng/ul	0.13
20) Perylene-d12	23.86	264	666	0.40	ng/ul	0.15

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.20	152	33302	0.81	ng/ul	-0.02
14) Fluoranthene-d10	19.35	212	12332	0.00	ng/ul	0.11

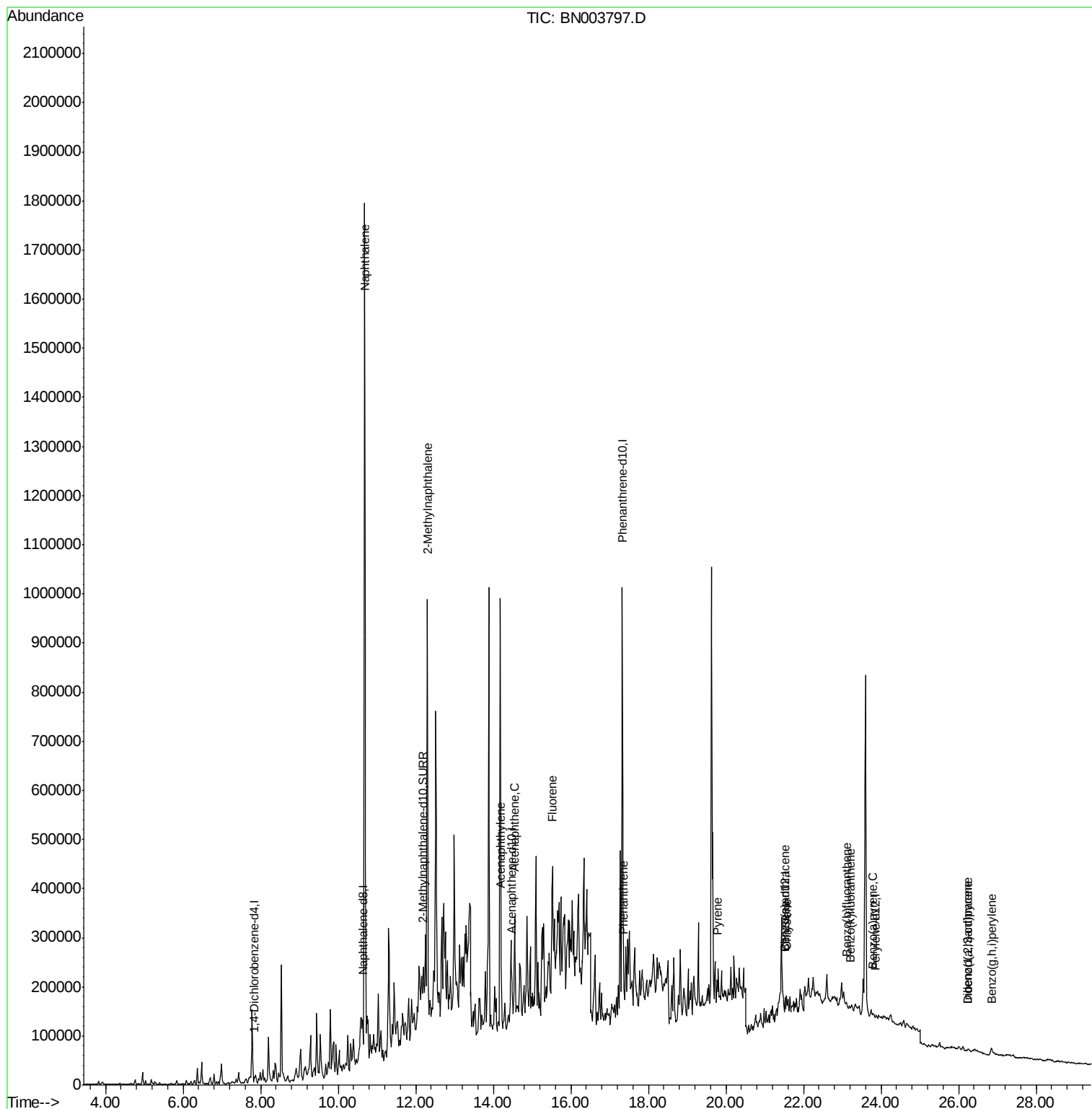
Target Compounds				Qvalue		
3) Naphthalene	10.69	128	2386124	31.841	ng/ul	99
5) 2-Methylnaphthalene	12.30	142	581899	11.120	ng/ul	99
7) Acenaphthylene	14.20	152	59699	0.758	ng/ul#	1
8) Acenaphthene	14.55	153	131811	1.911	ng/ul#	91
9) Fluorene	15.53	166	144269	1.794	ng/ul#	78
12) Phenanthrene	17.36	178	66200	0.021	ng/ul#	42
17) Pyrene	19.77	202	14619	1.158	ng/ul#	35
18) Benzo(a)anthracene	21.52	228	6485	0.583	ng/ul#	1
19) Chrysene	21.57	228	24452	1.921	ng/ul#	1
21) Benzo(b)fluoranthene	23.12	252	4119	1.495	ng/ul#	1
22) Benzo(k)fluoranthene	23.22	252	7523	2.803	ng/ul#	1
23) Benzo(a)pyrene	23.80	252	8333	3.493	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	26.24	276	1428	0.522	ng/ul#	1
25) Dibenzo(a,h)anthracene	26.24	278	1618	0.735	ng/ul#	1
26) Benzo(g,h,i)perylene	26.85	276	30590	12.865	ng/ul#	1

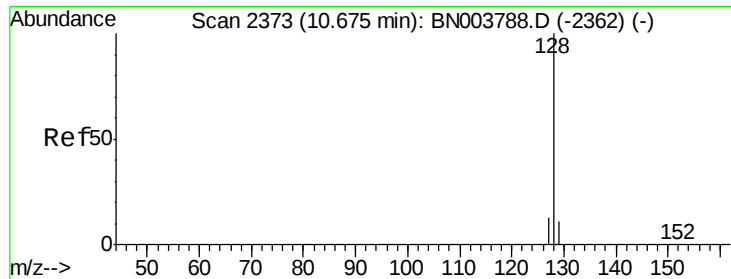
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 31.841 ng/ul

RT: 10.69 min Scan# 2375

Delta R.T. 0.01 min

Lab File: BN003797.D

Acq: 11 Dec 2018 02:29

Instrument :

BNA_N

ClientSampleId :

F9Y32

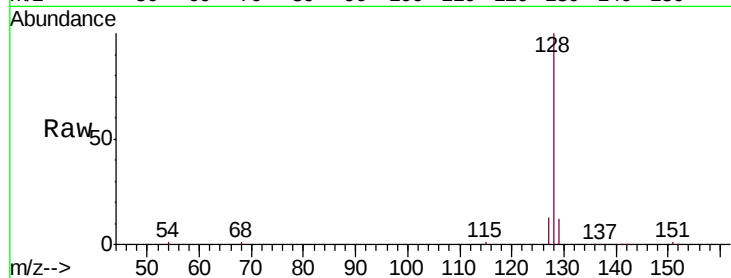
Tgt Ion:128 Resp: 2386124

Ion Ratio Lower Upper

128 100

129 11.8 9.0 13.6

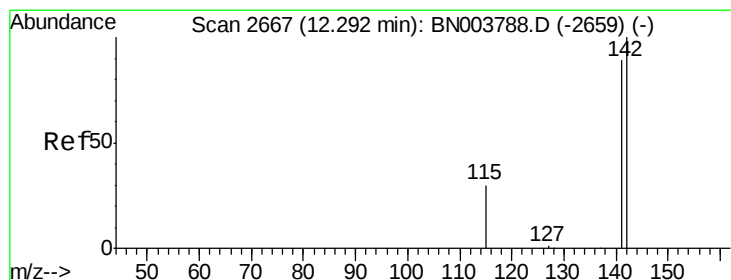
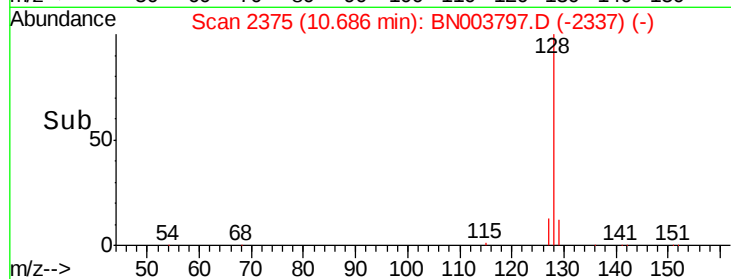
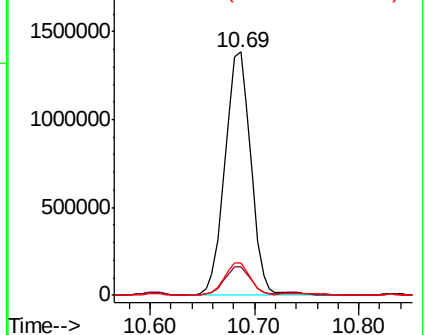
127 13.2 10.5 15.7



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: 11.120 ng/ul

RT: 12.30 min Scan# 2668

Delta R.T. 0.01 min

Lab File: BN003797.D

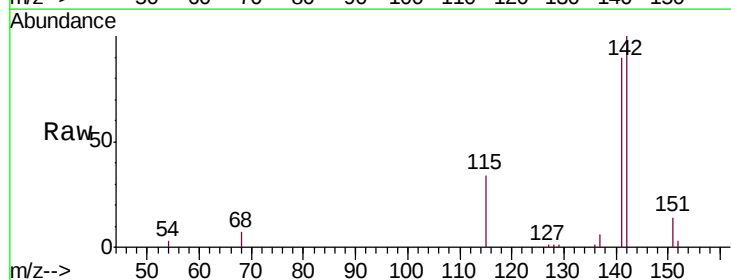
Acq: 11 Dec 2018 02:29

Tgt Ion:142 Resp: 581899

Ion Ratio Lower Upper

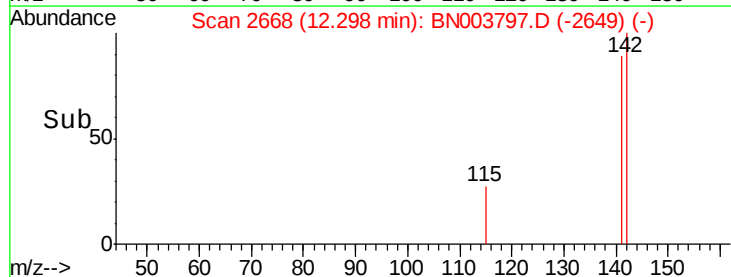
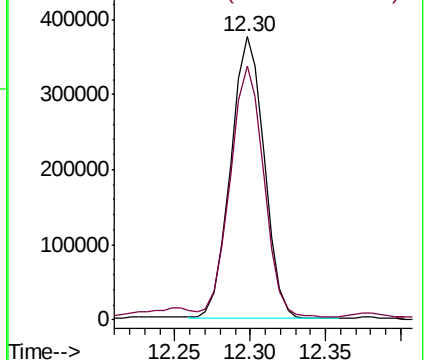
142 100

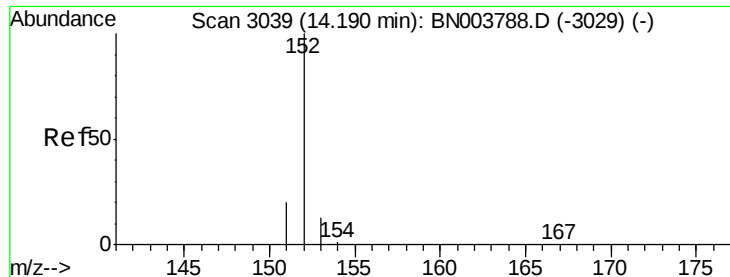
141 88.9 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.758 ng/ul

RT: 14.20 min Scan# 3042

Delta R.T. 0.01 min

Lab File: BN003797.D

Acq: 11 Dec 2018 02:29

Instrument :

BNA_N

ClientSampled :

F9Y32

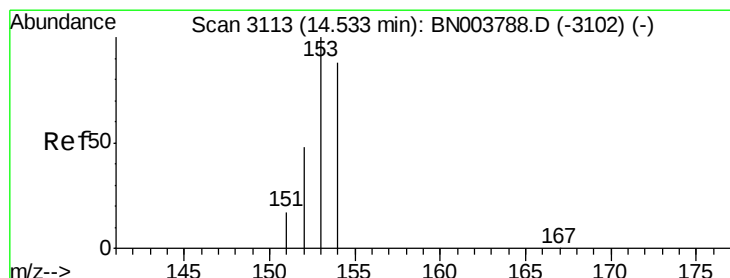
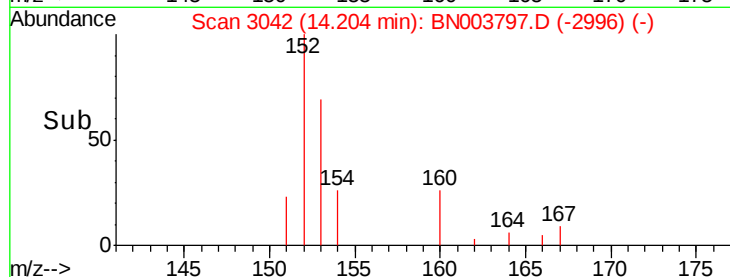
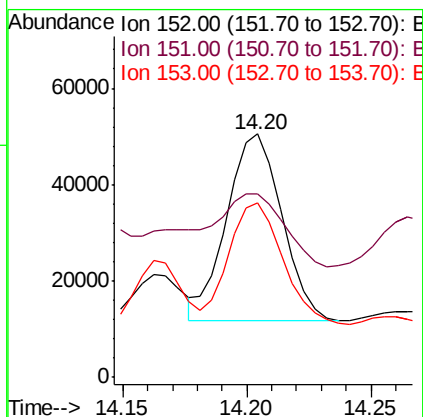
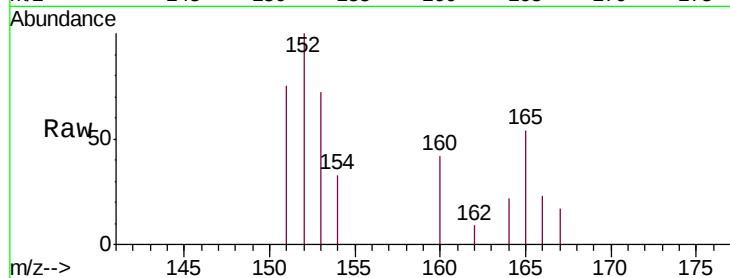
Tgt Ion:152 Resp: 59699

Ion Ratio Lower Upper

152 100

151 75.5 15.9 23.9#

153 71.7 10.7 16.1#



#8

Acenaphthene

Concen: 1.911 ng/ul

RT: 14.55 min Scan# 3116

Delta R.T. 0.01 min

Lab File: BN003797.D

Acq: 11 Dec 2018 02:29

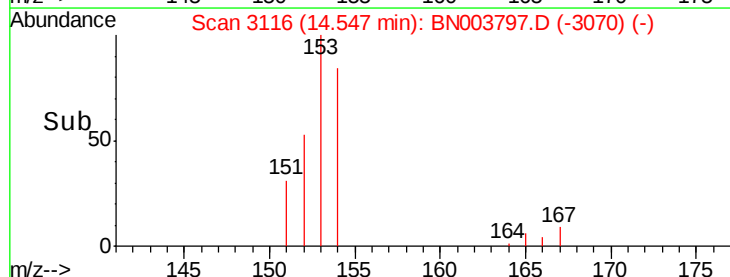
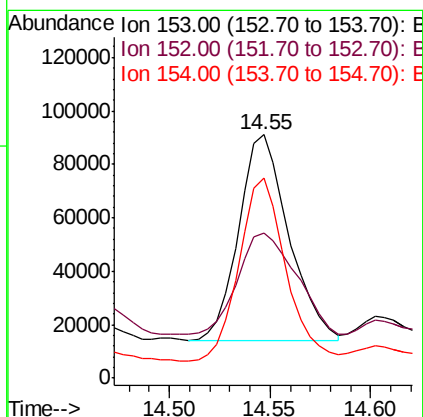
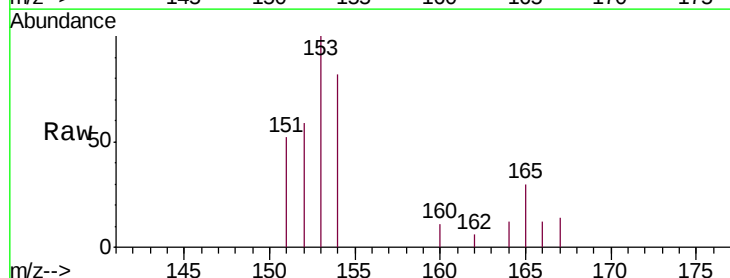
Tgt Ion:153 Resp: 131811

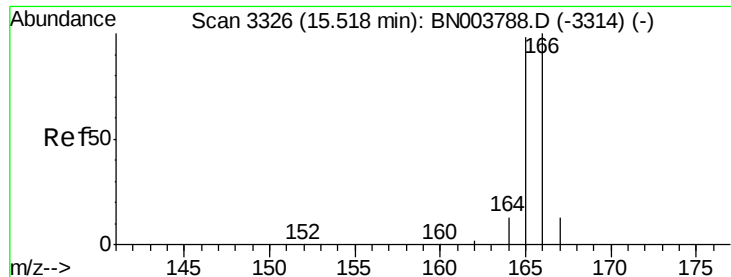
Ion Ratio Lower Upper

153 100

152 59.4 39.3 58.9#

154 82.2 70.3 105.5





#9

Fluorene

Concen: 1.794 ng/ul

RT: 15.53 min Scan# 3329

Delta R.T. 0.01 min

Lab File: BN003797.D

Acq: 11 Dec 2018 02:29

Instrument :

BNA_N

ClientSampleId :

F9Y32

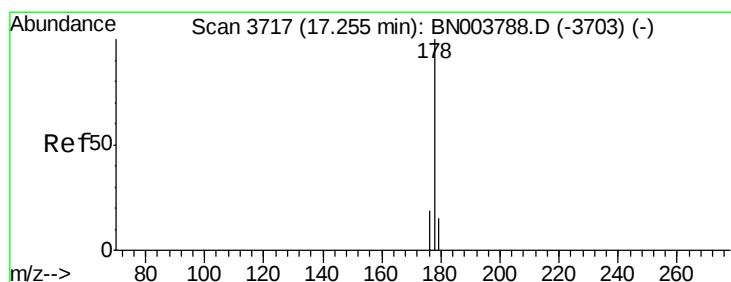
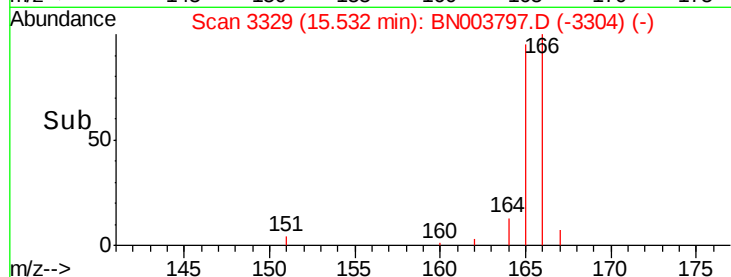
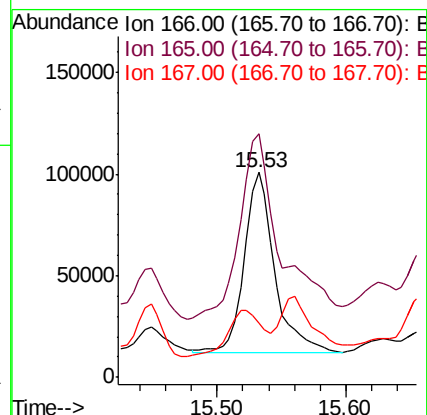
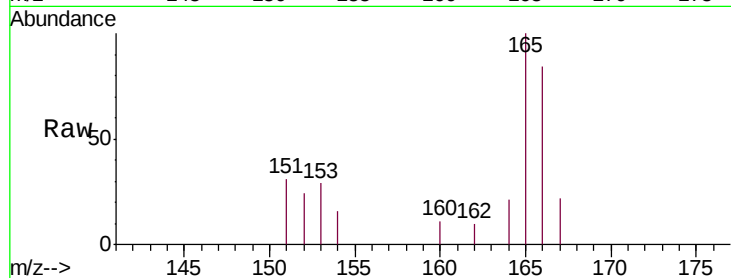
Tgt Ion:166 Resp: 144269

Ion Ratio Lower Upper

166 100

165 118.8 78.3 117.5#

167 26.3 11.3 16.9#



#12

Phenanthrene

Concen: 0.021 ng/ul

RT: 17.36 min Scan# 3742

Delta R.T. 0.11 min

Lab File: BN003797.D

Acq: 11 Dec 2018 02:29

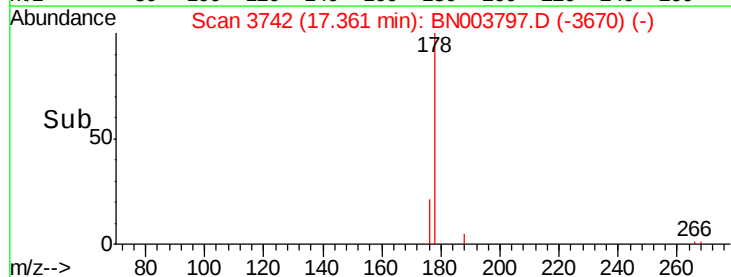
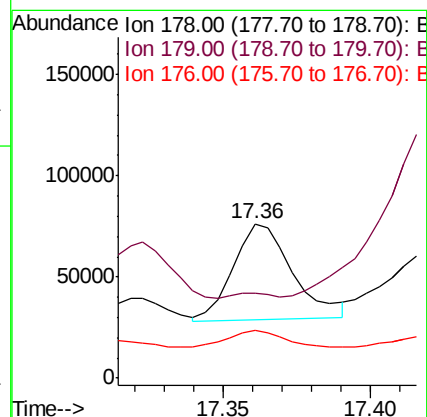
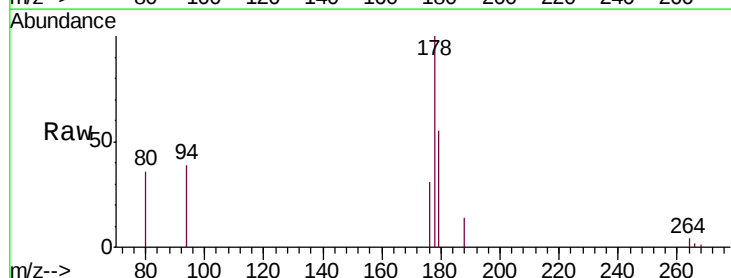
Tgt Ion:178 Resp: 66200

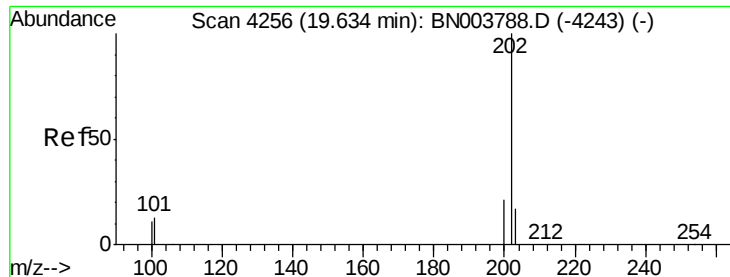
Ion Ratio Lower Upper

178 100

179 55.4 12.5 18.7#

176 30.8 15.0 22.4#





#17

Pyrene

Concen: 1.158 ng/ul

RT: 19.77 min Scan# 4285

Delta R.T. 0.13 min

Lab File: BN003797.D

Acq: 11 Dec 2018 02:29

Instrument :

BNA_N

ClientSampleId :

F9Y32

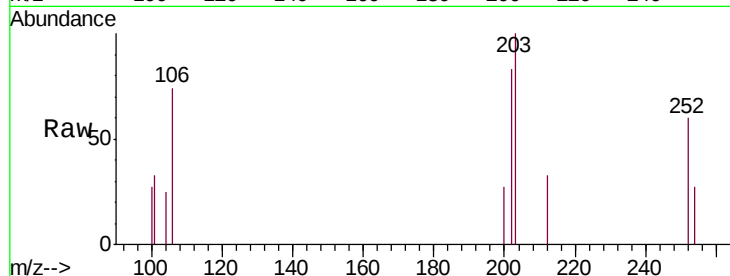
Tgt Ion:202 Resp: 14619

Ion Ratio Lower Upper

202 100

101 40.3 10.3 15.5#

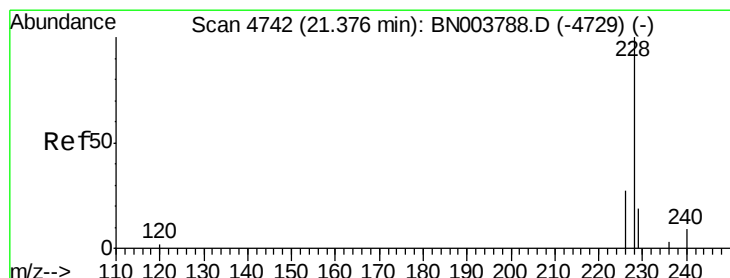
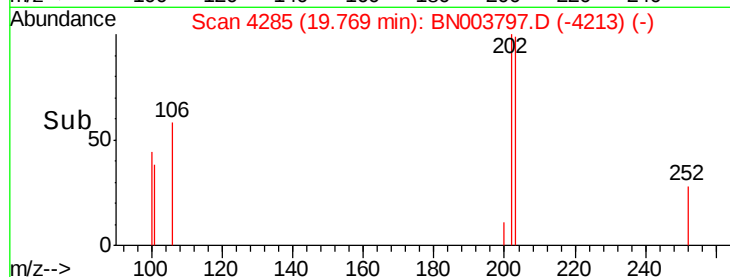
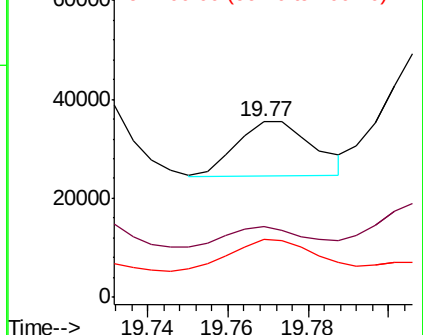
100 32.8 8.5 12.7#



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



#18

Benzo(a)anthracene

Concen: 0.583 ng/ul

RT: 21.52 min Scan# 4792

Delta R.T. 0.15 min

Lab File: BN003797.D

Acq: 11 Dec 2018 02:29

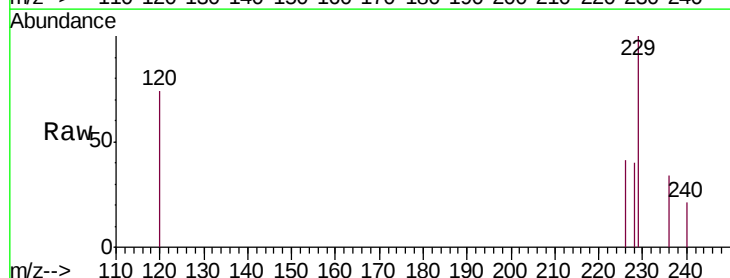
Tgt Ion:228 Resp: 6485

Ion Ratio Lower Upper

228 100

229 248.4 15.6 23.4#

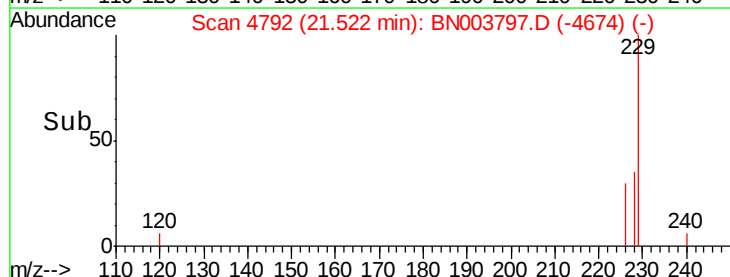
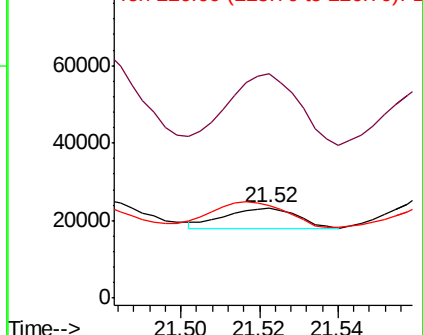
226 103.0 21.1 31.7#

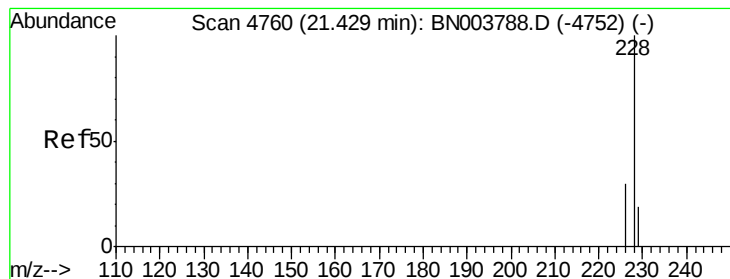


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1.921 ng/ul

RT: 21.57 min Scan# 4808

Delta R.T. 0.14 min

Lab File: BN003797.D

Acq: 11 Dec 2018 02:29

Instrument :

BNA_N

ClientSampleId :

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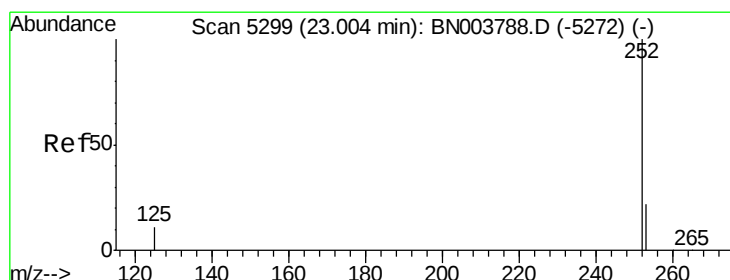
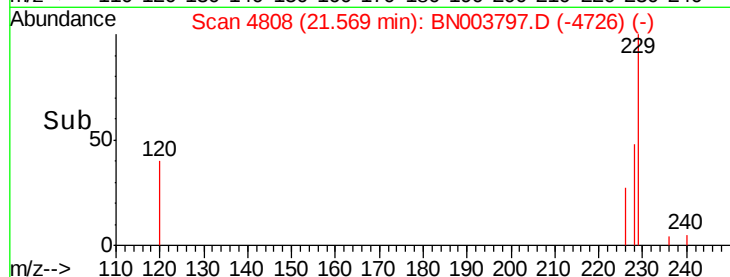
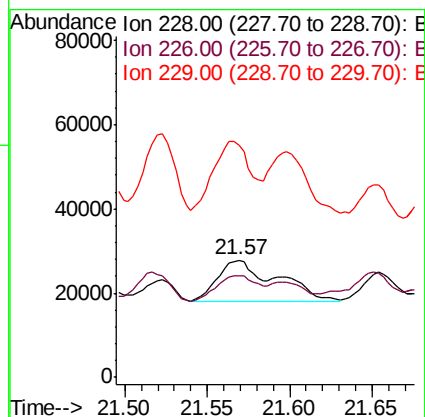
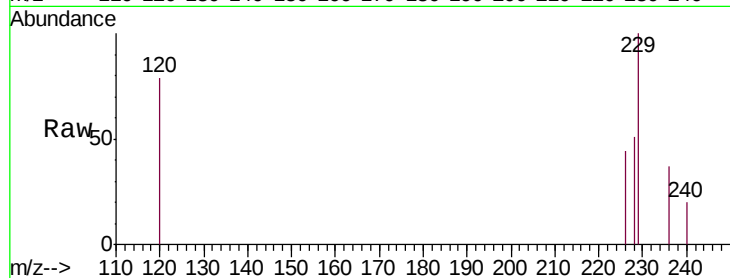
Tgt Ion:228 Resp: 24452

Ion Ratio Lower Upper

228 100

226 87.2 24.0 36.0#

229 197.8 15.7 23.5#



#21

Benzo(b)fluoranthene

Concen: 1.495 ng/ul

RT: 23.12 min Scan# 5339

Delta R.T. 0.12 min

Lab File: BN003797.D

Acq: 11 Dec 2018 02:29

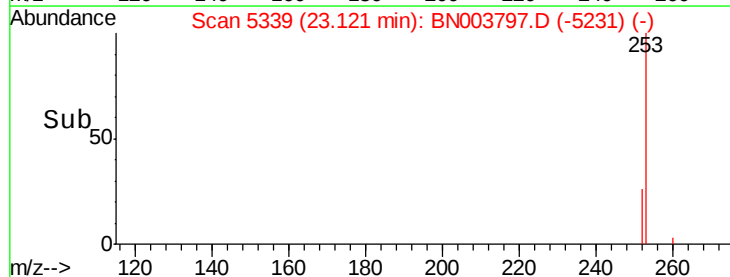
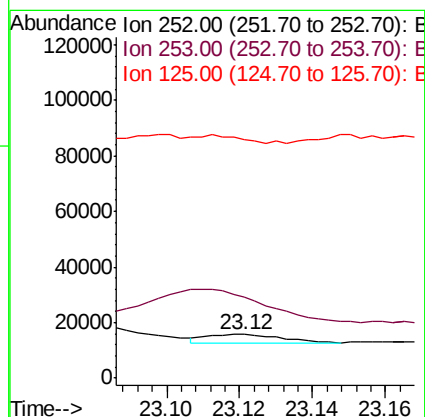
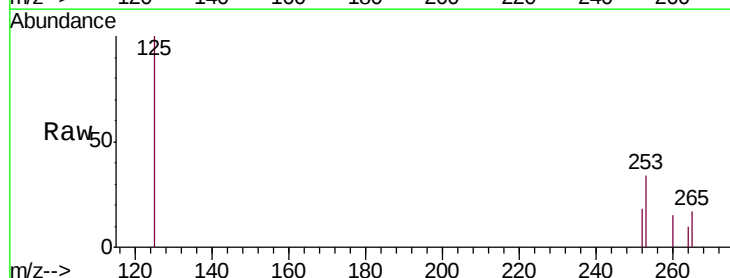
Tgt Ion:252 Resp: 4119

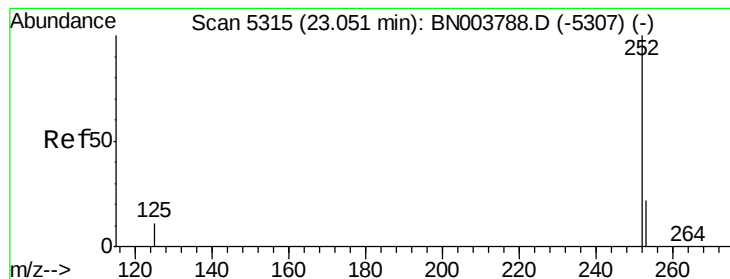
Ion Ratio Lower Upper

252 100

253 185.1 0.0 46.0#

125 543.9 0.0 22.4#





#22

Benzo(k)fluoranthene

Concen: 2.803 ng/ul

RT: 23.22 min Scan# 5372

Delta R.T. 0.17 min

Lab File: BN003797.D

Acq: 11 Dec 2018 02:29

Instrument :

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F9Y32

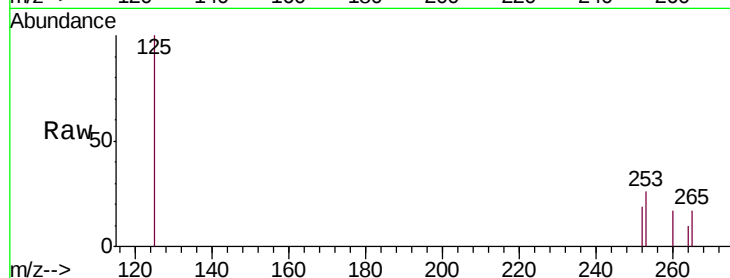
Tgt Ion:252 Resp: 7523

Ion Ratio Lower Upper

252 100

253 140.1 18.5 27.7#

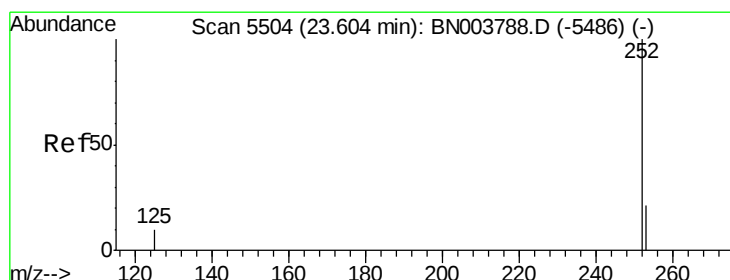
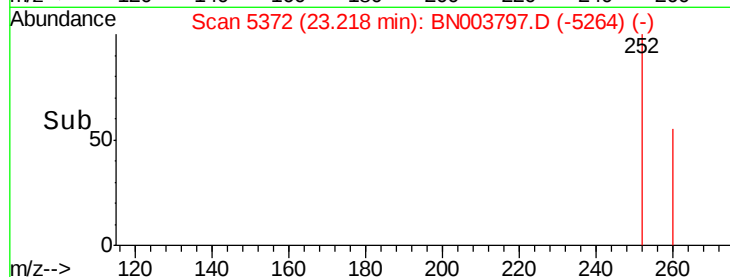
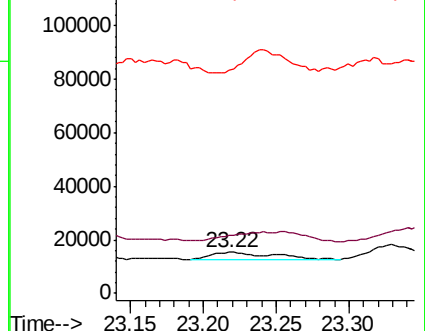
125 540.2 9.0 13.6#



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: 3.493 ng/ul

RT: 23.80 min Scan# 5570

Delta R.T. 0.19 min

Lab File: BN003797.D

Acq: 11 Dec 2018 02:29

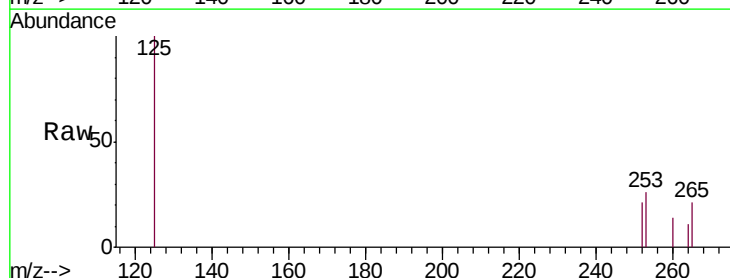
Tgt Ion:252 Resp: 8333

Ion Ratio Lower Upper

252 100

253 126.0 19.0 28.4#

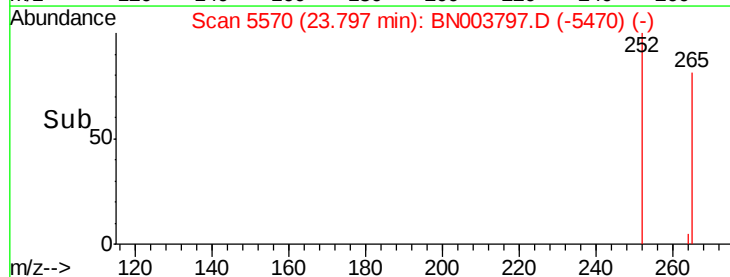
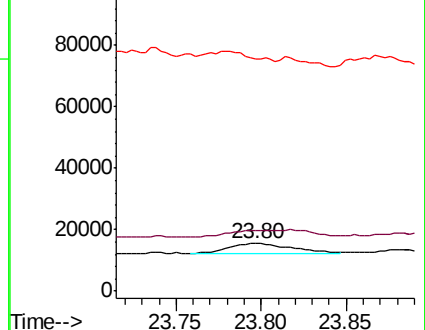
125 486.7 10.2 15.4#

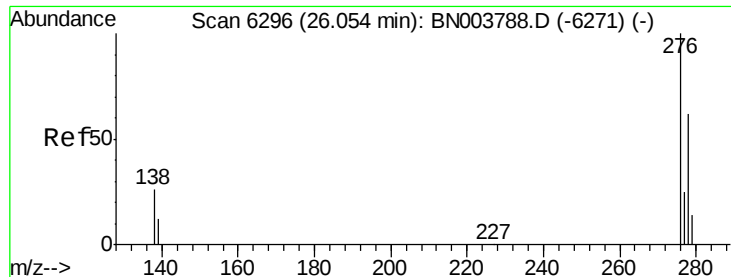


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.522 ng/ul

RT: 26.24 min Scan# 6351

Delta R.T. 0.18 min

Lab File: BN003797.D

Acq: 11 Dec 2018 02:29

Instrument :

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F9Y32

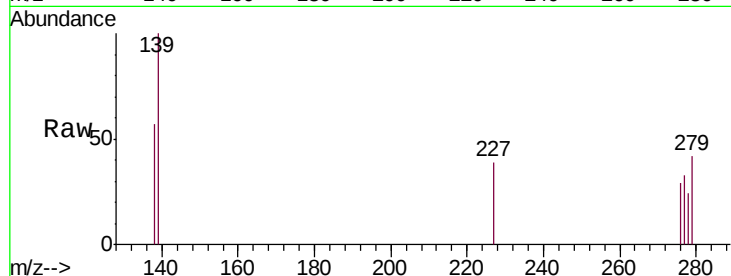
Tgt Ion:276 Resp: 1428

Ion Ratio Lower Upper

276 100

138 123.8 20.3 30.5#

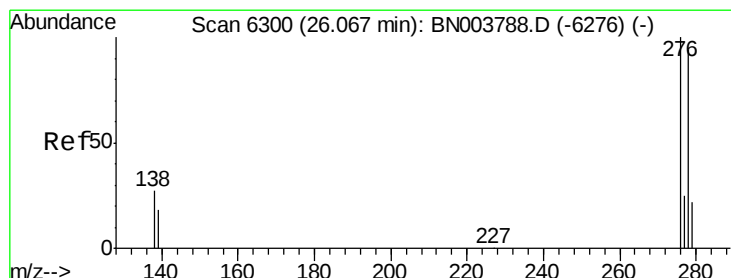
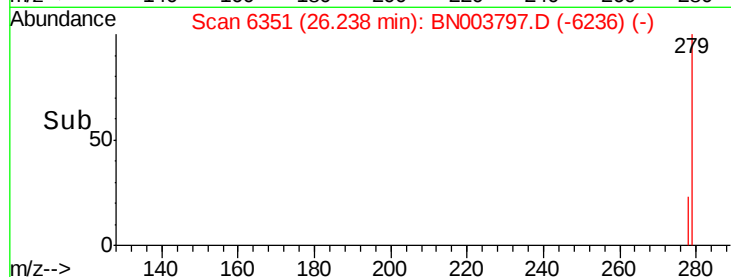
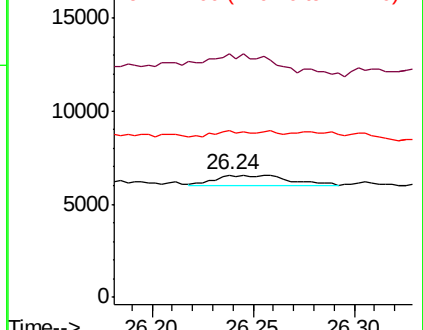
227 26.1 0.2 0.2#



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: 0.735 ng/ul

RT: 26.24 min Scan# 6351

Delta R.T. 0.17 min

Lab File: BN003797.D

Acq: 11 Dec 2018 02:29

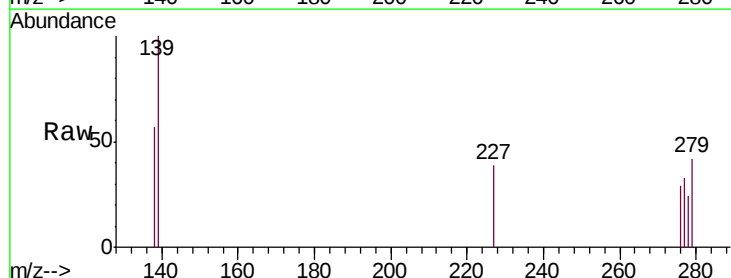
Tgt Ion:278 Resp: 1618

Ion Ratio Lower Upper

278 100

139 416.0 14.2 21.4#

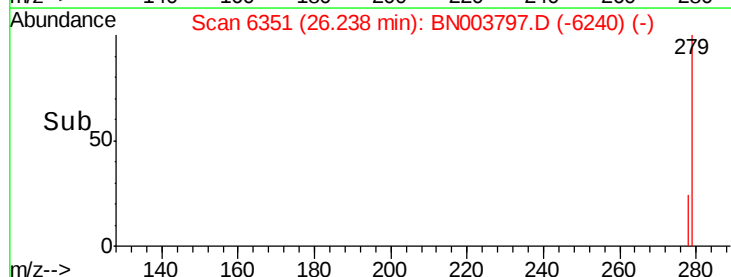
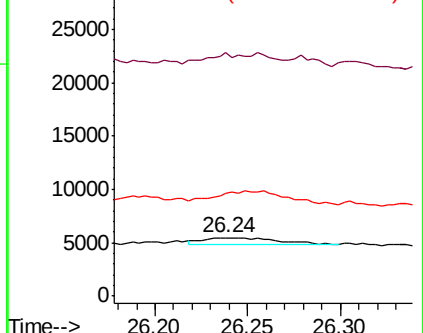
279 176.5 19.8 29.6#

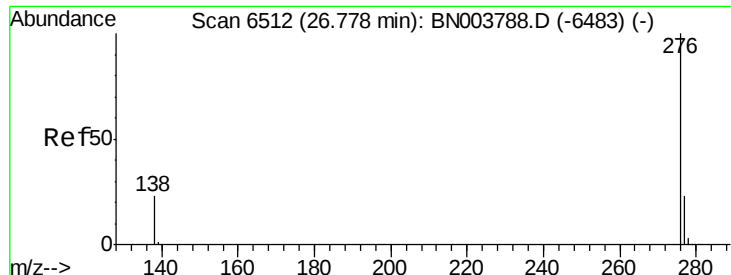


Abundance Ion 278.00 (277.70 to 278.70): E

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: 12.865 ng/ul

RT: 26.85 min Scan# 6532

Delta R.T. 0.07 min

Lab File: BN003797.D

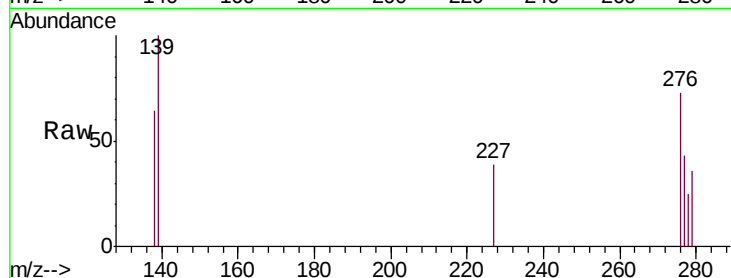
Acq: 11 Dec 2018 02:29

Instrument :

BNA_N

ClientSampleId :

F9Y32



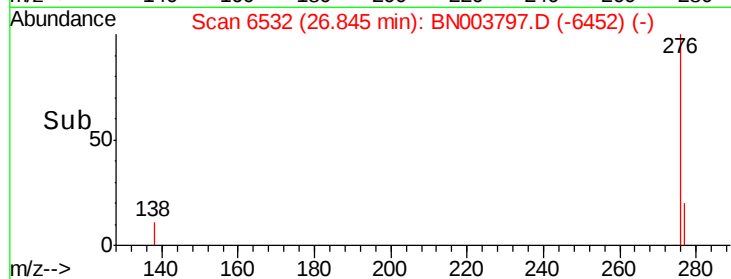
Tgt Ion: 276 Resp: 30590

Ion Ratio Lower Upper

276 100

138 88.5 17.7 26.5#

277 59.5 19.3 28.9#



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

