

Data File : BN003795.D
Acq On : 11 Dec 2018 01:19
Operator : JU/SJ
Sample : J6077-15
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F9Y31

Quant Time: Dec 11 04:27:16 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	6408	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	25190	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	17029	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.31	188	1008196	0.40	ng/ul	0.10
16) Chrysene-d12	21.50	240	976	0.40	ng/ul	0.11
20) Perylene-d12	23.83	264	935	0.40	ng/ul	0.13

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	16181	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.34	212	1252	0.00	ng/ul	0.10

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.68	128	405825	5.736	ng/ul	100
5) 2-Methylnaphthalene	12.29	142	141788	2.870	ng/ul	99
7) Acenaphthylene	14.19	152	14568	0.190	ng/ul#	1
8) Acenaphthene	14.53	153	20083	0.299	ng/ul#	88
9) Fluorene	15.52	166	18322	0.234	ng/ul#	65
17) Pyrene	19.64	202	130391	37.249	ng/ul	97
18) Benzo(a)anthracene	21.55	228	6773	2.197	ng/ul#	1
19) Chrysene	21.55	228	6756	1.915	ng/ul#	1
21) Benzo(b)fluoranthene	23.19	252	5597	1.447	ng/ul#	1
22) Benzo(k)fluoranthene	23.19	252	5597	1.485	ng/ul#	1
23) Benzo(a)pyrene	23.77	252	5666	1.692	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	26.21	276	903	0.235	ng/ul#	1
25) Dibenzo(a,h)anthracene	26.19	278	2866	0.927	ng/ul#	1
26) Benzo(g,h,i)perylene	26.80	276	56132	16.815	ng/ul#	69

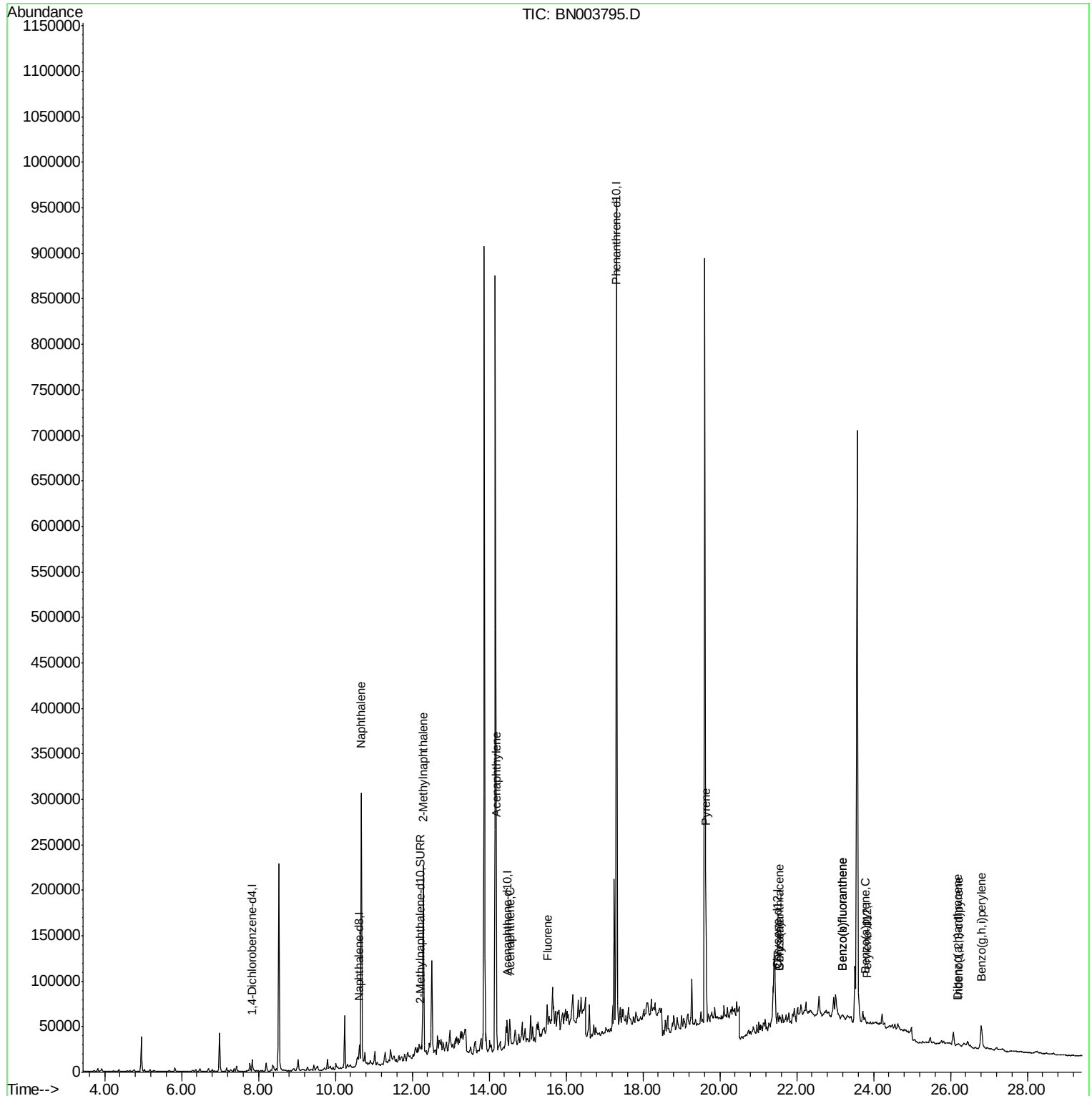
(#) = qualifier out of range (m) = manual integration (+) = signals summed

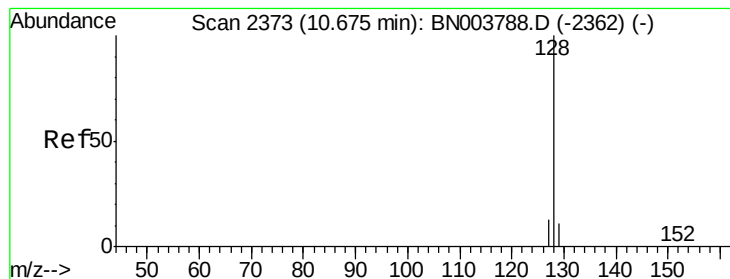
Data File : BN003795.D

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#3

Naphthalene

Concen: 5.736 ng/ul

RT: 10.68 min Scan# 2373

Delta R.T. -0.00 min

Lab File: BN003795.D

Acq: 11 Dec 2018 01:19

Instrument :

BNA_N

ClientSampleId :

F9Y31

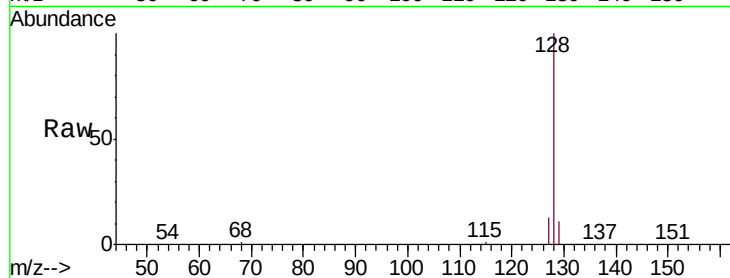
Tgt Ion:128 Resp: 405825

Ion Ratio Lower Upper

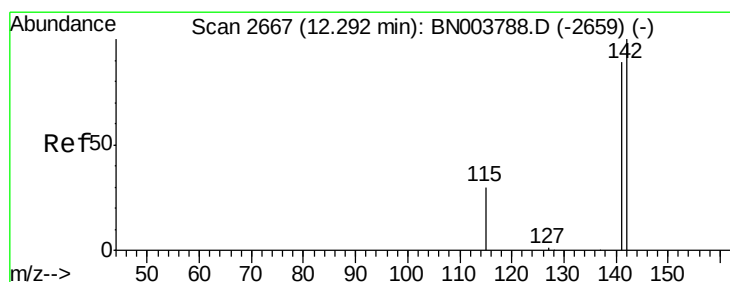
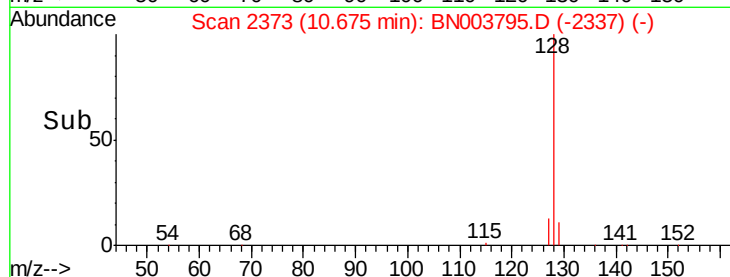
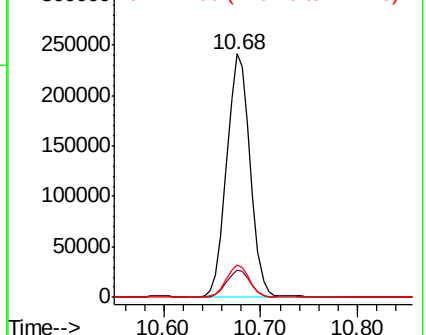
128 100

129 11.3 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: 2.870 ng/ul

RT: 12.29 min Scan# 2666

Delta R.T. -0.01 min

Lab File: BN003795.D

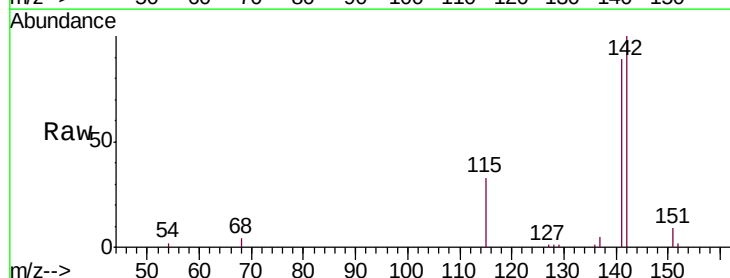
Acq: 11 Dec 2018 01:19

Tgt Ion:142 Resp: 141788

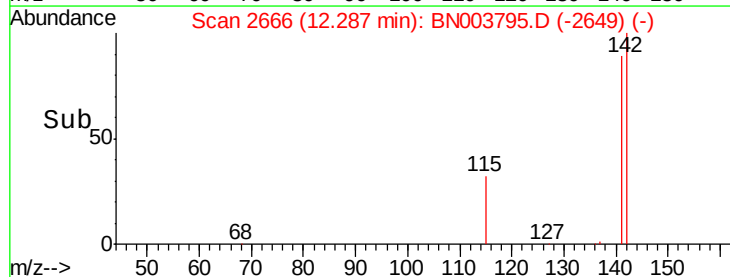
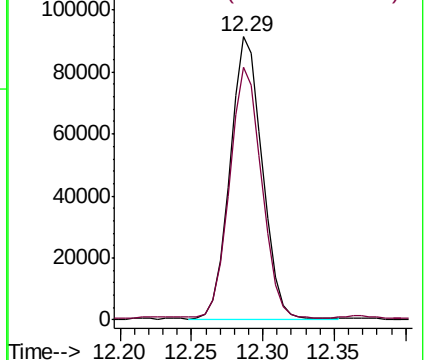
Ion Ratio Lower Upper

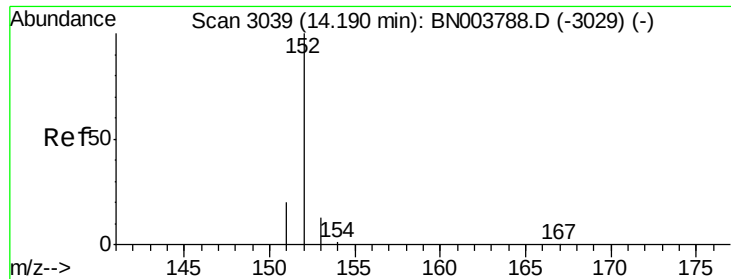
142 100

141 88.7 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: 0.190 ng/ul

RT: 14.19 min Scan# 3039

Delta R.T. -0.00 min

Lab File: BN003795.D

Acq: 11 Dec 2018 01:19

Instrument :

BNA_N

ClientSampleId :

F9Y31

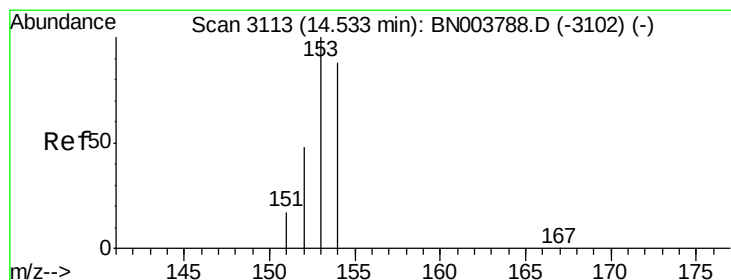
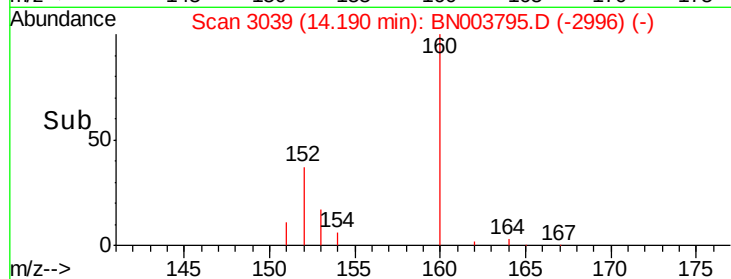
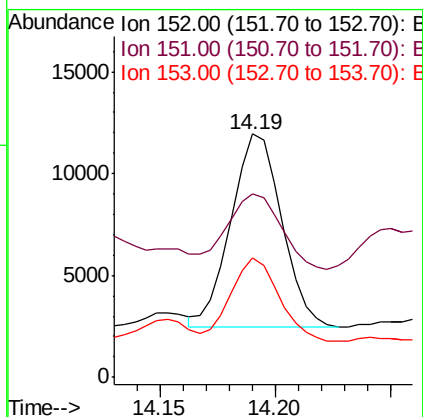
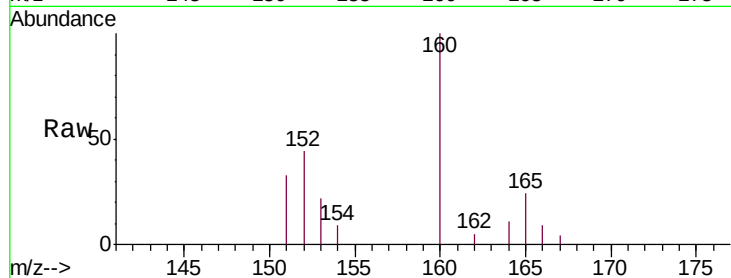
Tgt Ion:152 Resp: 14568

Ion Ratio Lower Upper

152 100

151 75.5 15.9 23.9#

153 49.0 10.7 16.1#



#8

Acenaphthene

Concen: 0.299 ng/ul

RT: 14.53 min Scan# 3113

Delta R.T. -0.00 min

Lab File: BN003795.D

Acq: 11 Dec 2018 01:19

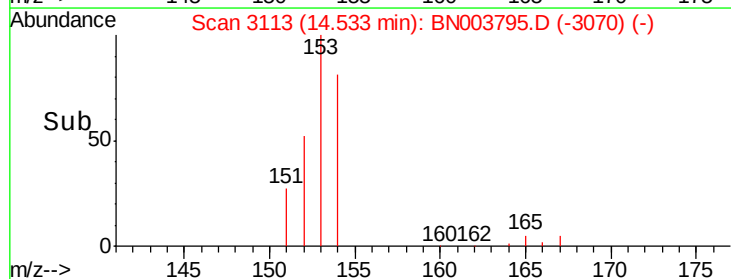
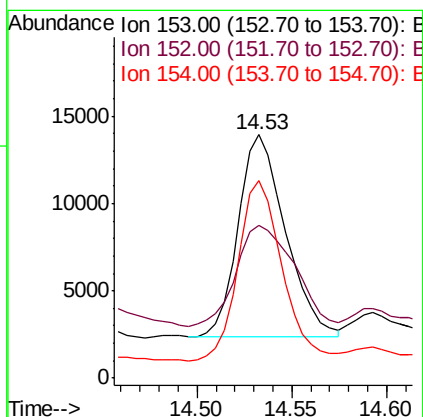
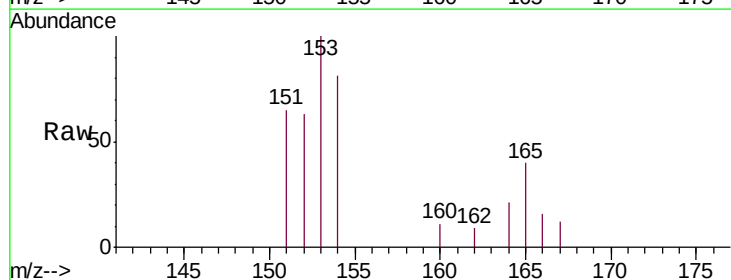
Tgt Ion:153 Resp: 20083

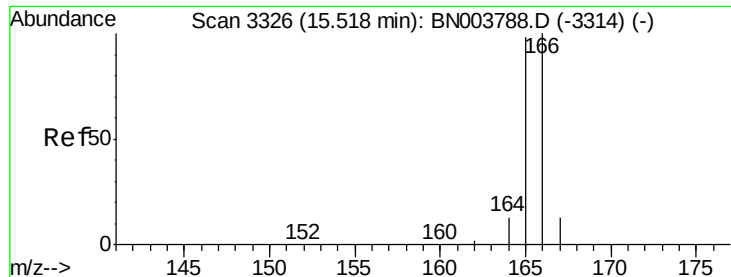
Ion Ratio Lower Upper

153 100

152 62.7 39.3 58.9#

154 80.9 70.3 105.5





#9

Fluorene

Concen: 0.234 ng/ul

RT: 15.52 min Scan# 3326

Delta R.T. -0.00 min

Lab File: BN003795.D

Acq: 11 Dec 2018 01:19

Instrument :

BNA_N

ClientSampleId :

F9Y31

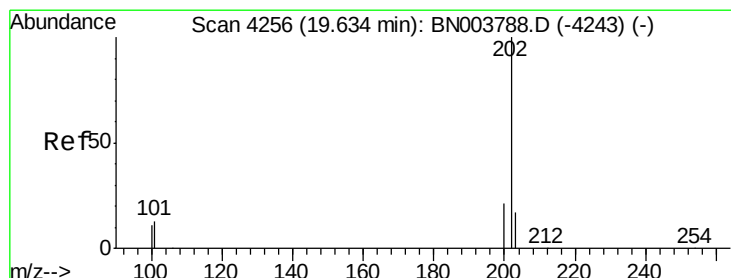
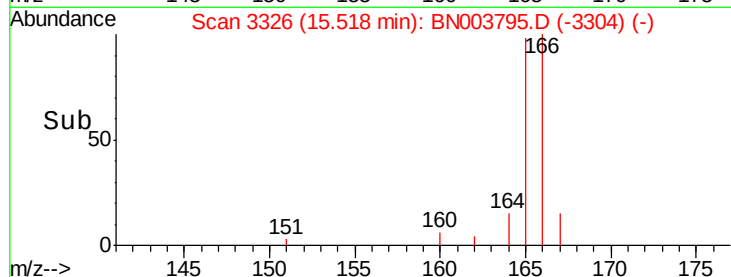
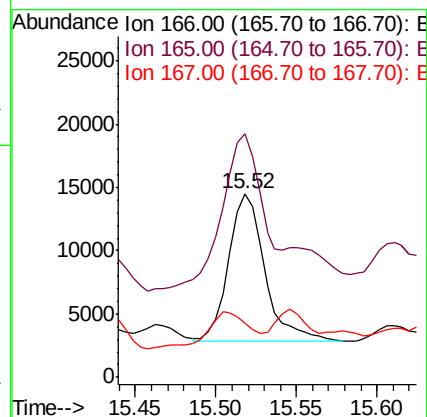
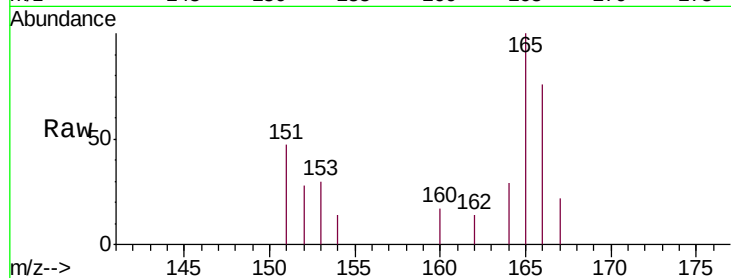
Tgt Ion:166 Resp: 18322

Ion Ratio Lower Upper

166 100

165 132.3 78.3 117.5#

167 29.3 11.3 16.9#



#17

Pyrene

Concen: 37.249 ng/ul

RT: 19.64 min Scan# 4257

Delta R.T. 0.00 min

Lab File: BN003795.D

Acq: 11 Dec 2018 01:19

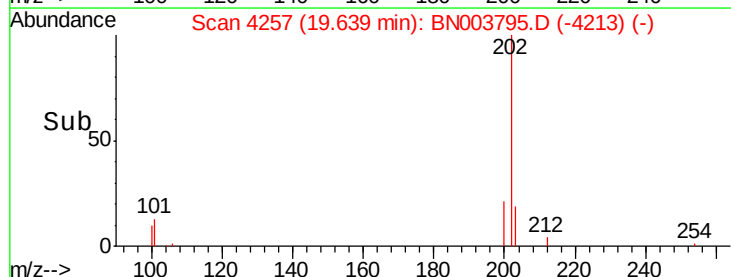
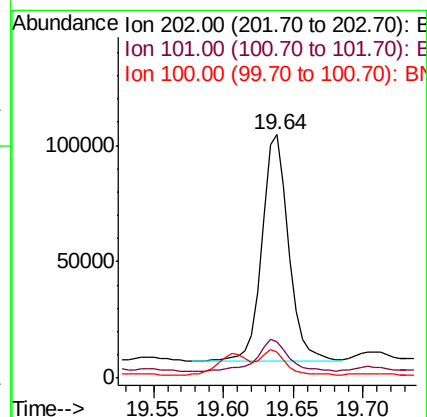
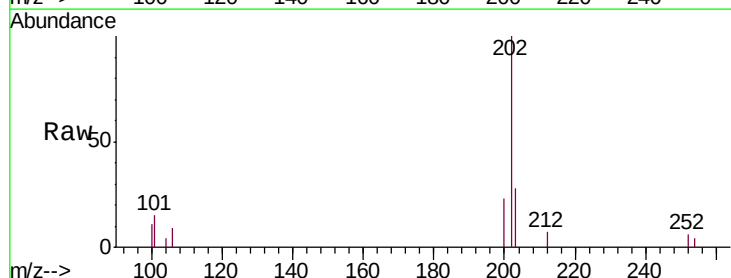
Tgt Ion:202 Resp: 130391

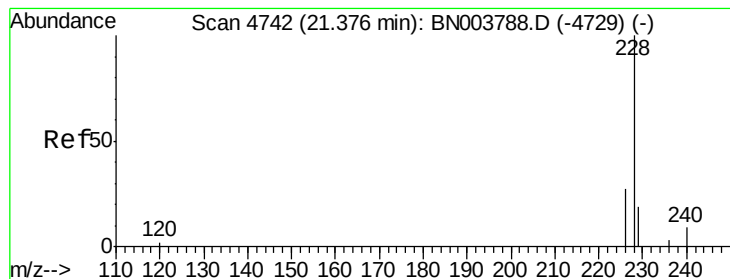
Ion Ratio Lower Upper

202 100

101 15.1 10.3 15.5

100 10.6 8.5 12.7





#18

Benzo(a)anthracene

Concen: 2.197 ng/ul

RT: 21.55 min Scan# 4802

Delta R.T. 0.18 min

Lab File: BN003795.D

Acq: 11 Dec 2018 01:19

Instrument :

BNA_N

ClientSampleId :

F9Y31

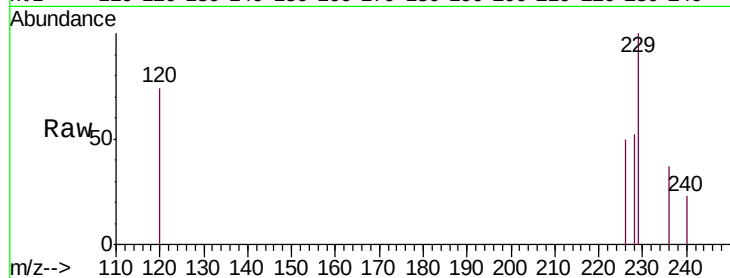
Tgt Ion:228 Resp: 6773

Ion Ratio Lower Upper

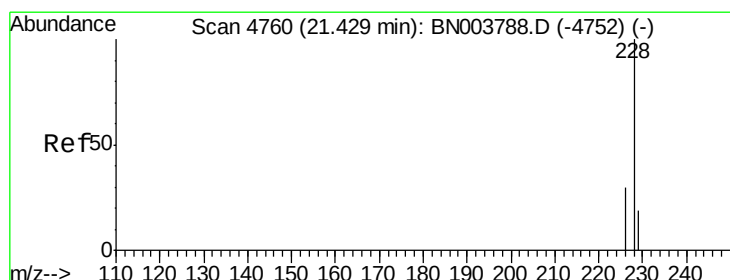
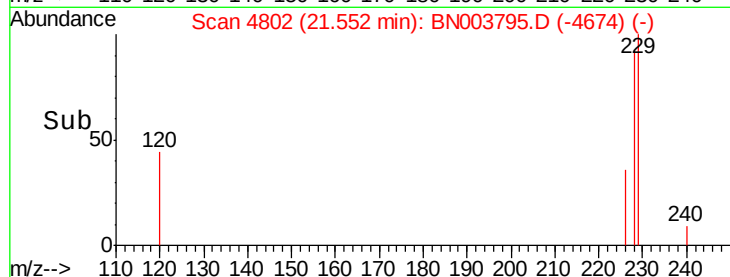
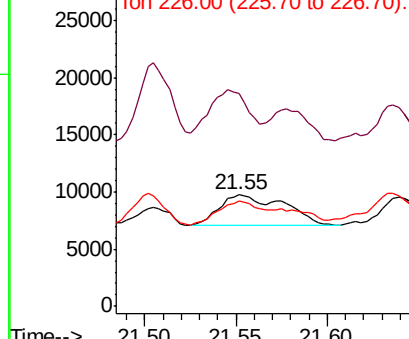
228 100

229 191.2 15.6 23.4#

226 94.7 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: 1.915 ng/ul

RT: 21.55 min Scan# 4802

Delta R.T. 0.12 min

Lab File: BN003795.D

Acq: 11 Dec 2018 01:19

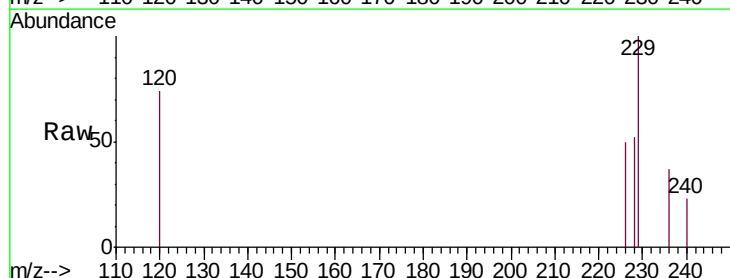
Tgt Ion:228 Resp: 6756

Ion Ratio Lower Upper

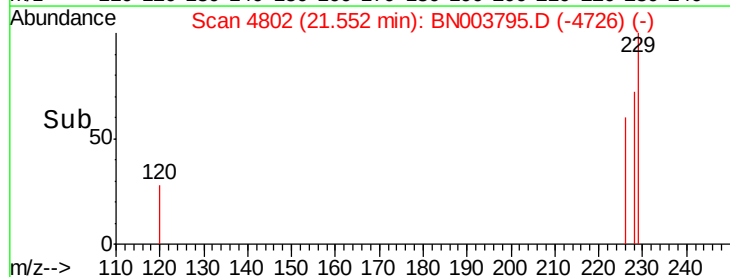
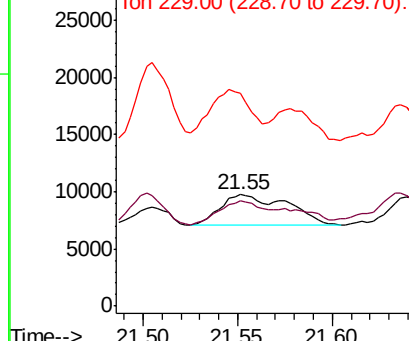
228 100

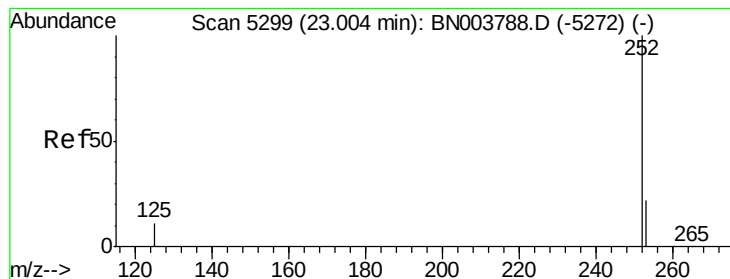
226 94.7 24.0 36.0#

229 191.2 15.7 23.5#



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: 1.447 ng/ul

RT: 23.19 min Scan# 5364

Delta R.T. 0.19 min

Lab File: BN003795.D

Acq: 11 Dec 2018 01:19

Instrument :

BNA_N

ClientSampleId :

F9Y31

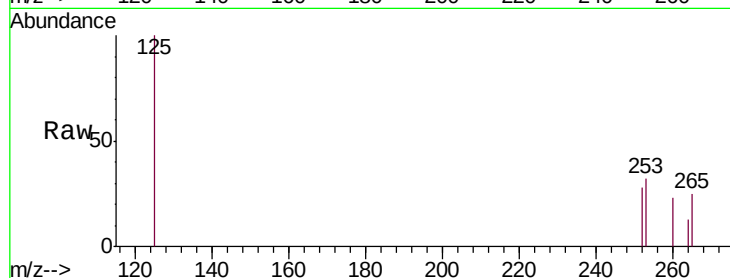
Tgt Ion:252 Resp: 5597

Ion Ratio Lower Upper

252 100

253 113.5 0.0 46.0#

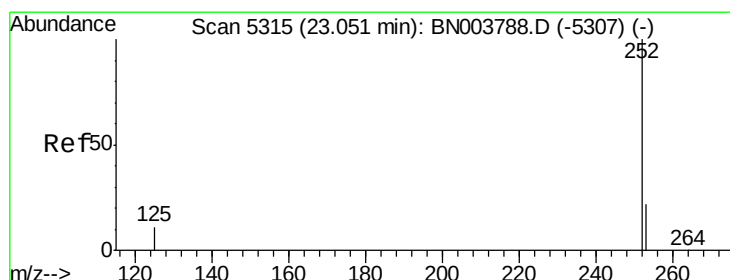
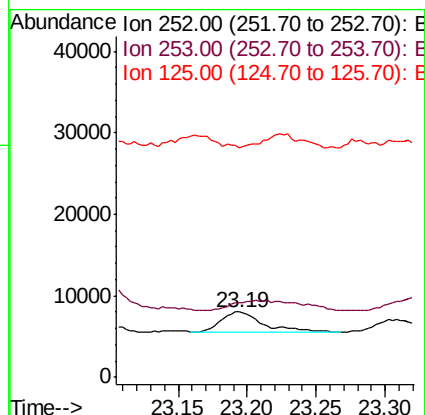
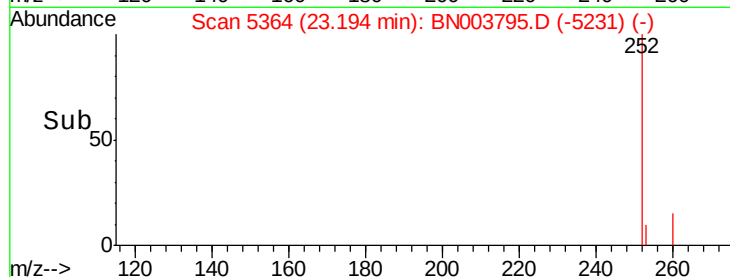
125 350.9 0.0 22.4#



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



#22

Benzo(k)fluoranthene

Concen: 1.485 ng/ul

RT: 23.19 min Scan# 5364

Delta R.T. 0.14 min

Lab File: BN003795.D

Acq: 11 Dec 2018 01:19

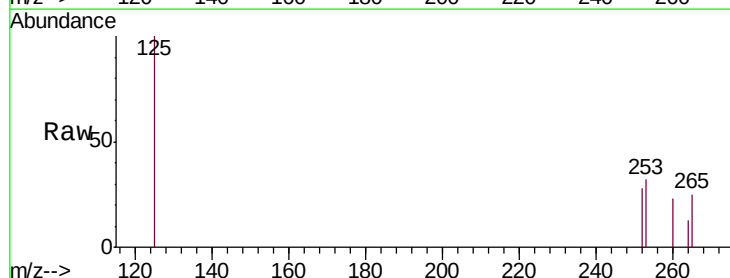
Tgt Ion:252 Resp: 5597

Ion Ratio Lower Upper

252 100

253 113.5 18.5 27.7#

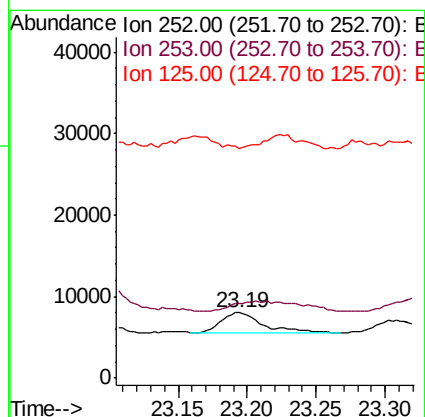
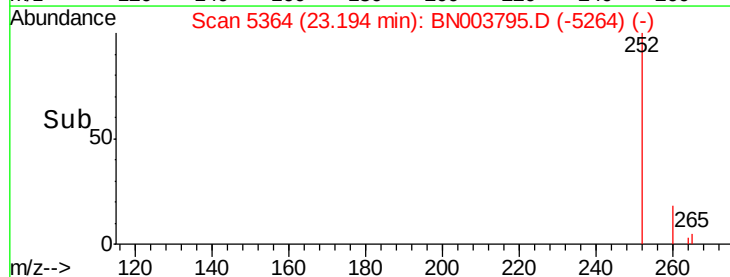
125 350.9 9.0 13.6#

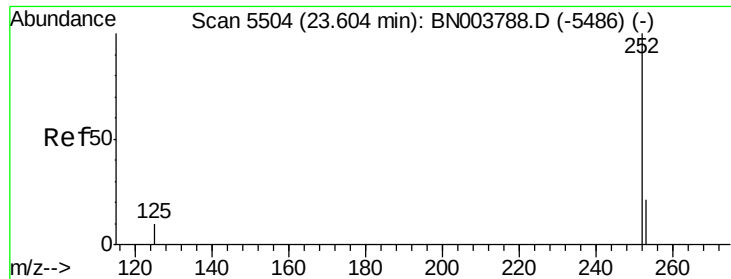


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.692 ng/ul

RT: 23.77 min Scan# 5561

Delta R.T. 0.17 min

Lab File: BN003795.D

Acq: 11 Dec 2018 01:19

Instrument :

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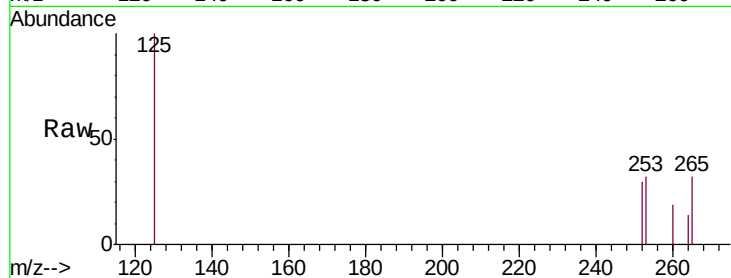
Tgt Ion:252 Resp: 5666

Ion Ratio Lower Upper

252 100

253 107.2 19.0 28.4#

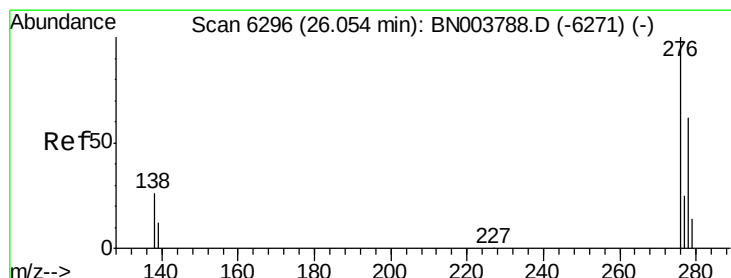
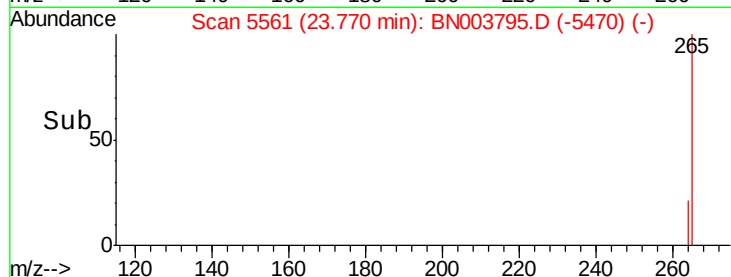
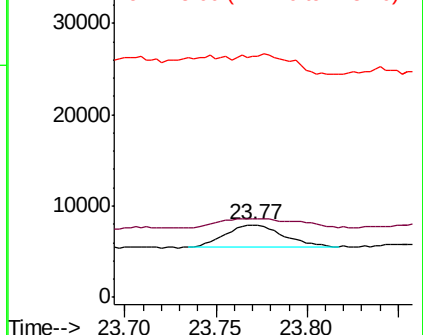
125 332.2 10.2 15.4#



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: 0.235 ng/ul

RT: 26.21 min Scan# 6342

Delta R.T. 0.15 min

Lab File: BN003795.D

Acq: 11 Dec 2018 01:19

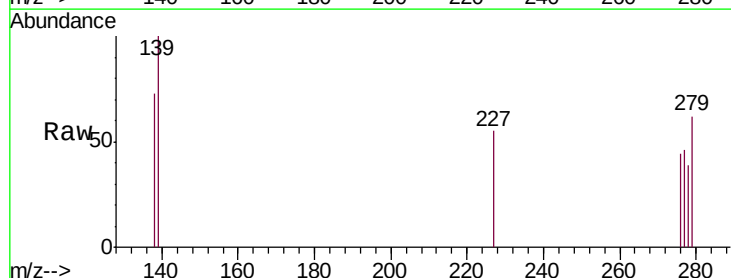
Tgt Ion:276 Resp: 903

Ion Ratio Lower Upper

276 100

138 121.8 20.3 30.5#

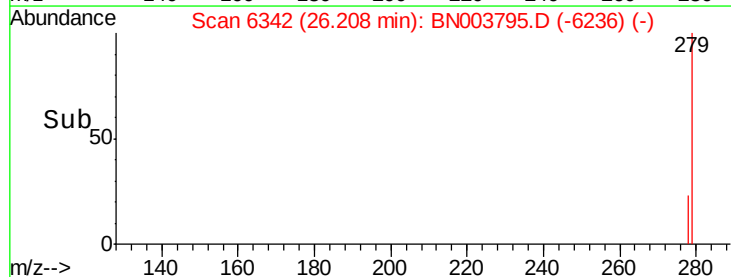
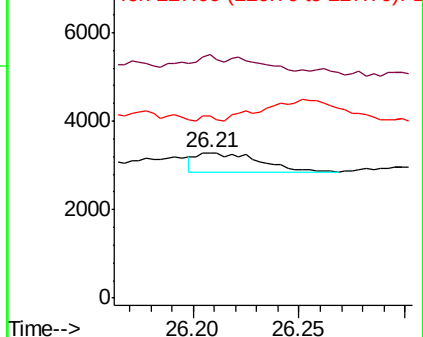
227 16.7 0.2 0.2#

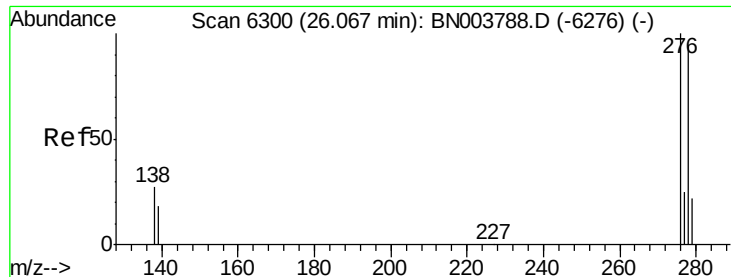


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.927 ng/ul

RT: 26.19 min Scan# 6337

Delta R.T. 0.12 min

Lab File: BN003795.D

Acq: 11 Dec 2018 01:19

Instrument :

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F9Y31

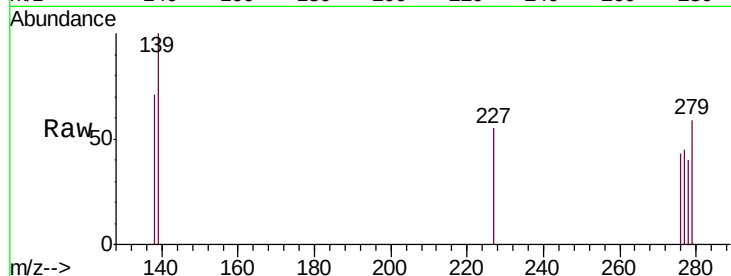
Tgt Ion:278 Resp: 2866

Ion Ratio Lower Upper

278 100

139 252.1 14.2 21.4#

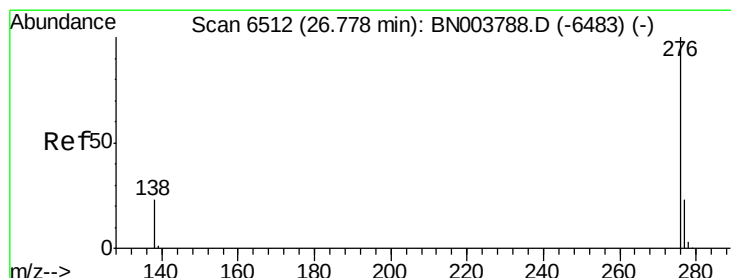
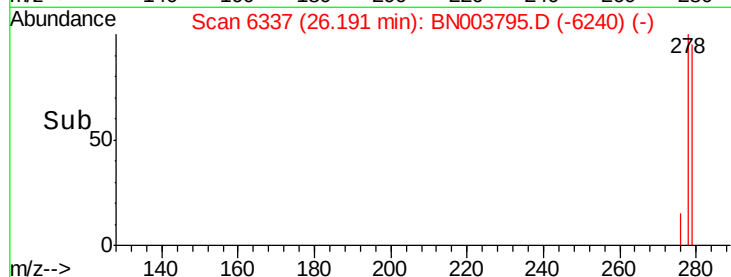
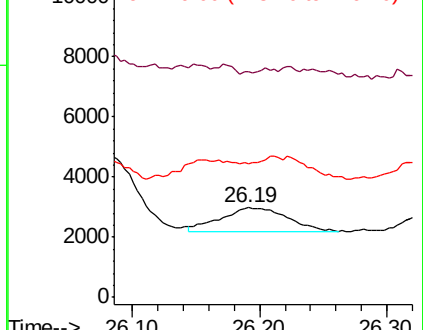
279 148.8 19.8 29.6#



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: 16.815 ng/ul

RT: 26.80 min Scan# 6520

Delta R.T. 0.03 min

Lab File: BN003795.D

Acq: 11 Dec 2018 01:19

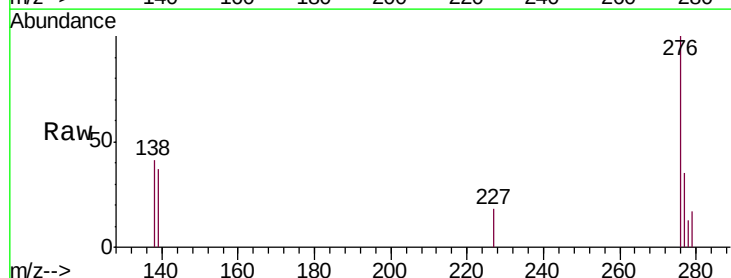
Tgt Ion:276 Resp: 56132

Ion Ratio Lower Upper

276 100

138 41.5 17.7 26.5#

277 35.1 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

