

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090820\
 Data File : BN011758.D
 Acq On : 09 Sep 2020 04:33
 Operator : CG/JU
 Sample : L3843-06
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AC8

Quant Time: Sep 09 07:13:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN090820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 09 07:05:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	2422	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	9760	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.38	164	6144	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-17.12
16) Chrysene-d12	21.31	240	11520	0.40	ng/ul	0.00
20) Perylene-d12	23.55	264	10905	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	4251	0.28	ng/ul	0.00
14) Fluoranthene-d10	19.15	212	10043	0.00	ng/ul	0.00

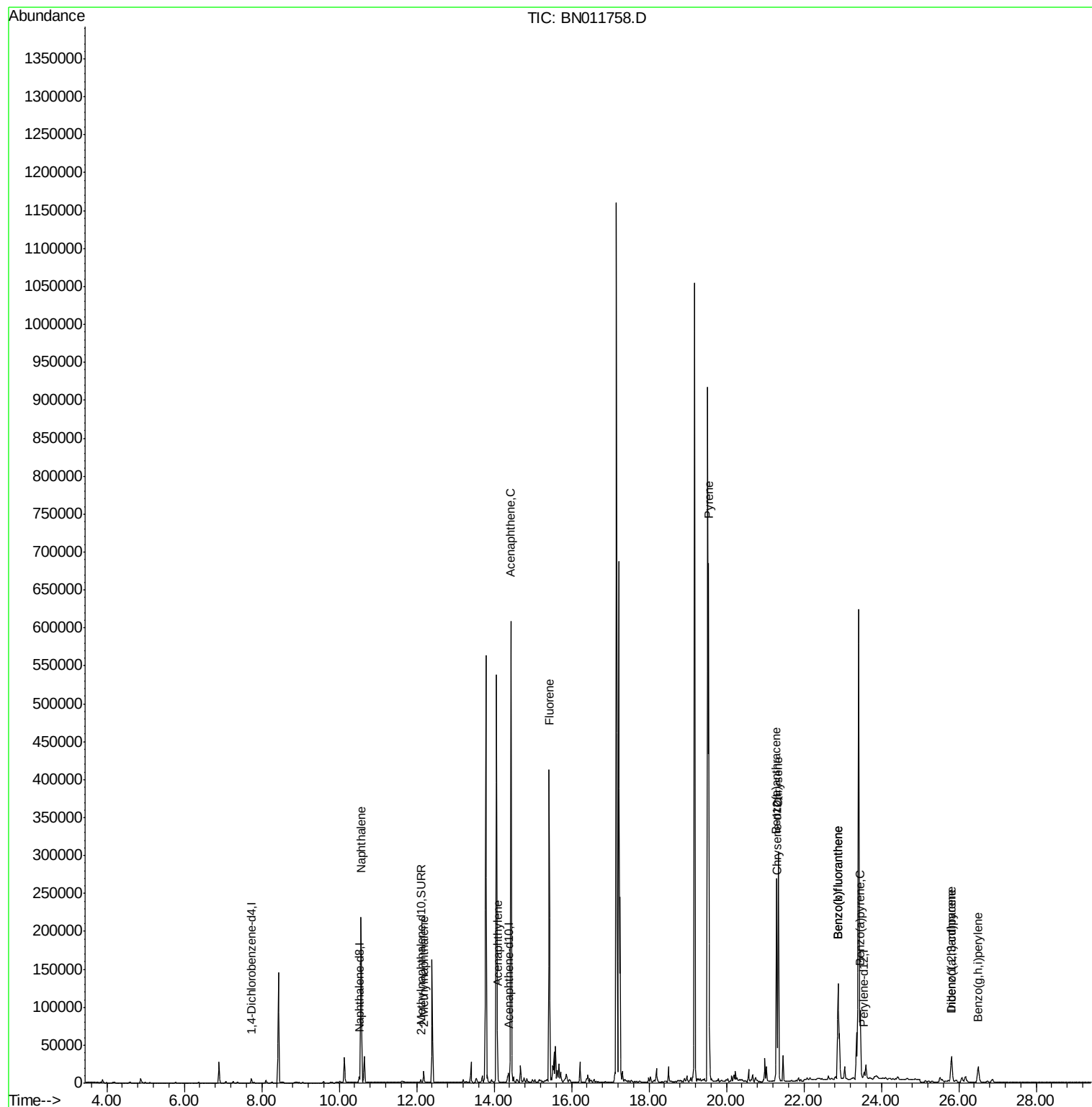
Target Compounds				Ovalue		
3) Naphthalene	10.57	128	286471	9.918	ng/ul	98
5) 2-Methylnaphthalene	12.18	142	10266	0.533	ng/ul	100
7) Acenaphthylene	14.09	152	9816	0.331	ng/ul#	83
8) Acenaphthene	14.44	153	339114	14.263	ng/ul	98
9) Fluorene	15.43	166	245869	8.947	ng/ul	97
17) Pyrene	19.54	202	592573	11.583	ng/ul	96
18) Benzo(a)anthracene	21.29	228	216952	4.843	ng/ul	99
19) Chrysene	21.34	228	266735	5.332	ng/ul	98
21) Benzo(b)fluoranthene	22.88	252	268795	5.259	ng/ul	96
22) Benzo(k)fluoranthene	22.88	252	268795	5.127	ng/ul	95
23) Benzo(a)pyrene	23.46	252	113794	2.579	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.81	276	50437	0.870	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.82	278	15764	0.333	ng/ul	95
26) Benzo(g,h,i)perylene	26.50	276	42139	0.832	ng/ul	97

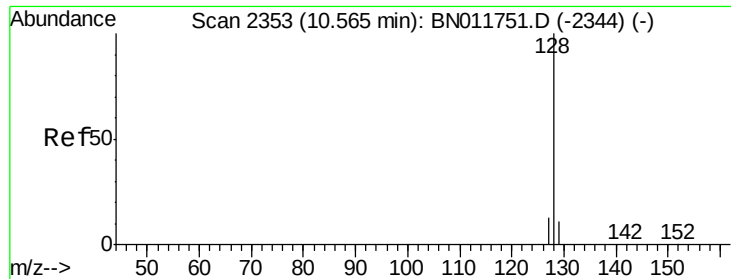
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 9.918 ng/ul

RT: 10.57 min Scan# 2353

Delta R.T. 0.00 min

Lab File: BN011758.D

Acq: 09 Sep 2020 04:33

Instrument :

BNA_N

ClientSampleId :

C0AC8

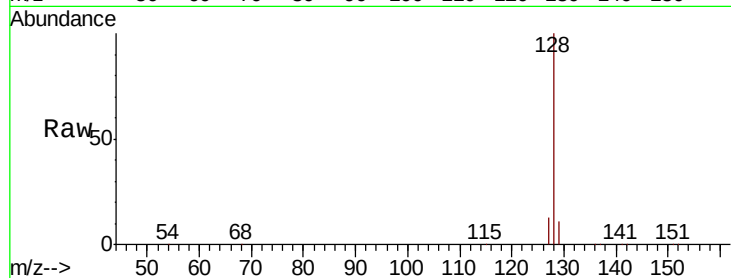
Tot Ion:128 Resp: 286471

Ion Ratio Lower Upper

128 100

129 11.0 9.8 14.6

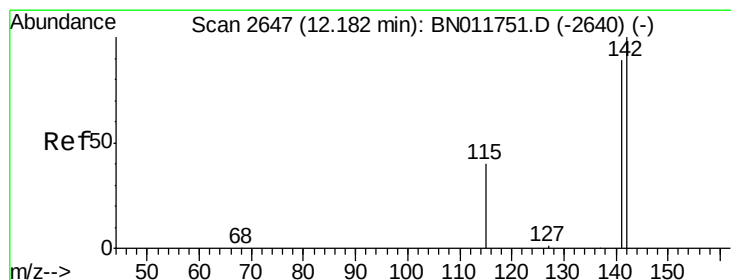
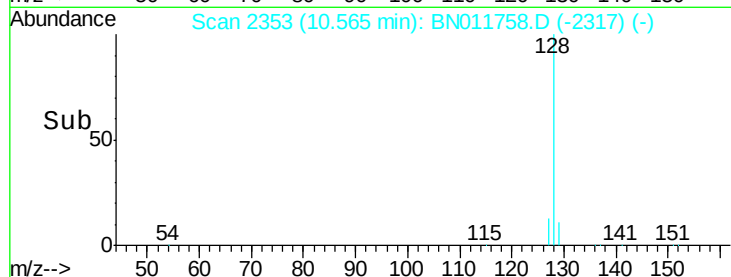
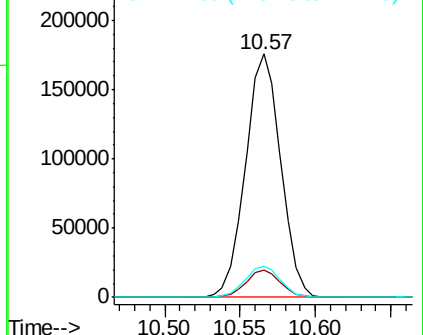
127 13.0 11.0 16.6



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: 0.533 ng/ul

RT: 12.18 min Scan# 2647

Delta R.T. 0.00 min

Lab File: BN011758.D

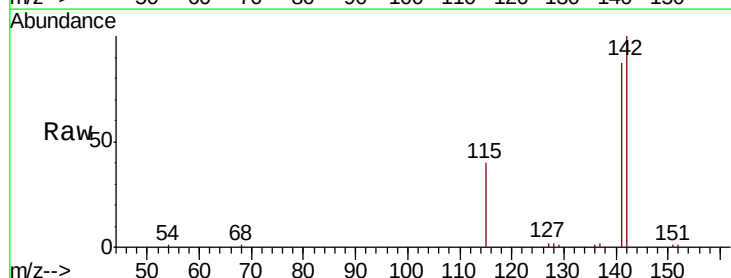
Acq: 09 Sep 2020 04:33

Tgt Ion:142 Resp: 10266

Ion Ratio Lower Upper

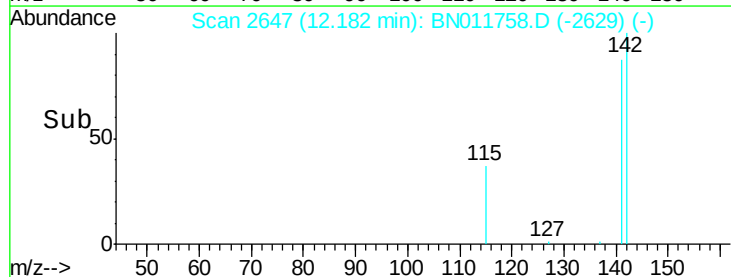
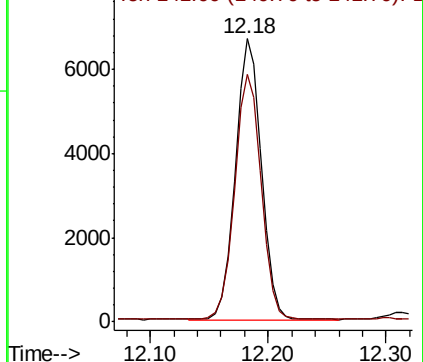
142 100

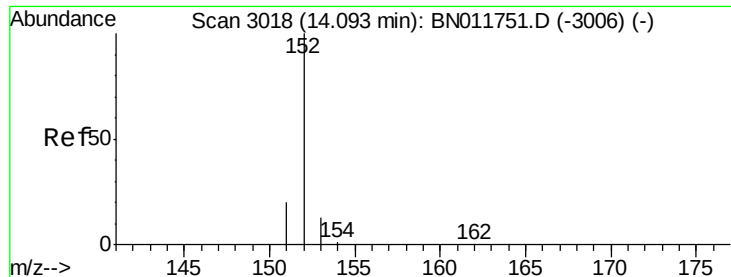
141 88.9 71.0 106.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.331 ng/ul

RT: 14.09 min Scan# 3018

Delta R.T. 0.00 min

Lab File: BN011758.D

Acq: 09 Sep 2020 04:33

Instrument :

BNA_N

ClientSampleId :

C0AC8

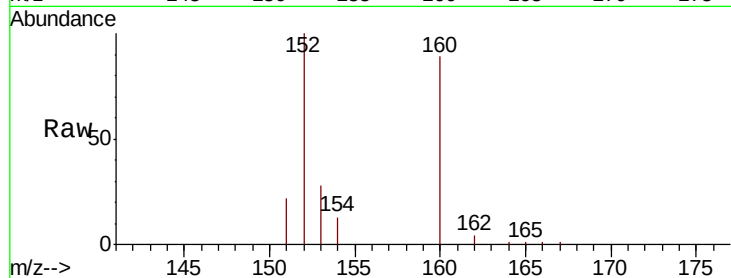
Tot Ion:152 Resp: 9816

Ion Ratio Lower Upper

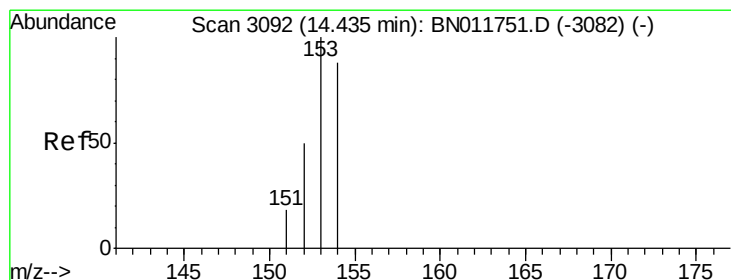
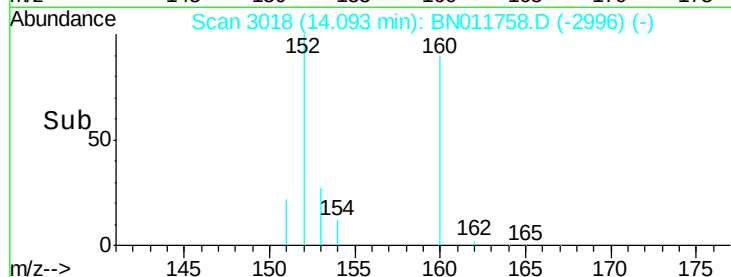
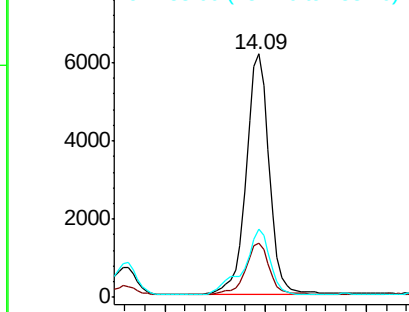
152 100

151 22.5 16.2 24.4

153 27.9 11.4 17.0#



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: 14.263 ng/ul

RT: 14.44 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BN011758.D

Acq: 09 Sep 2020 04:33

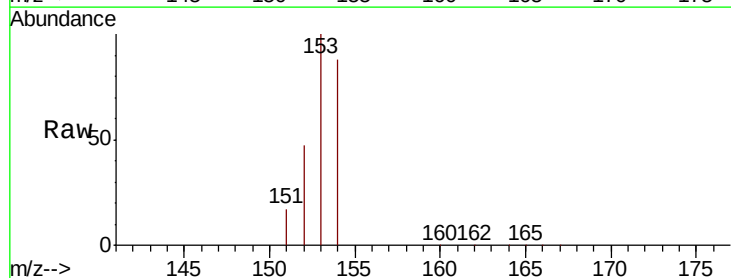
Tgt Ion:153 Resp: 339114

Ion Ratio Lower Upper

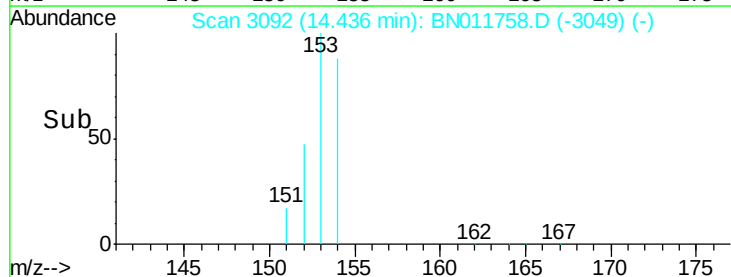
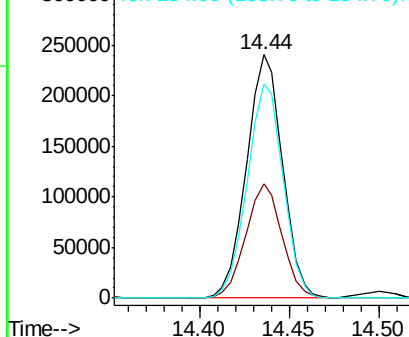
153 100

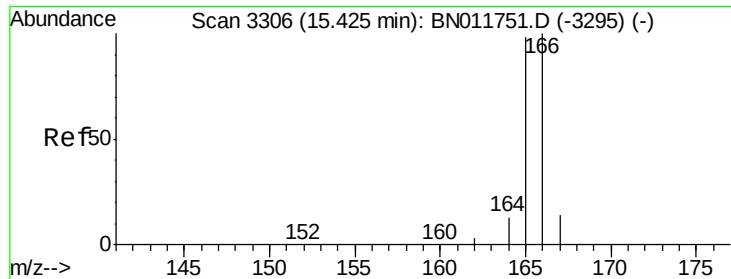
152 47.1 40.3 60.5

154 88.1 70.1 105.1



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

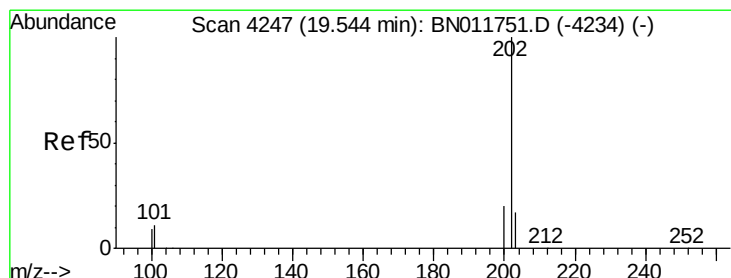
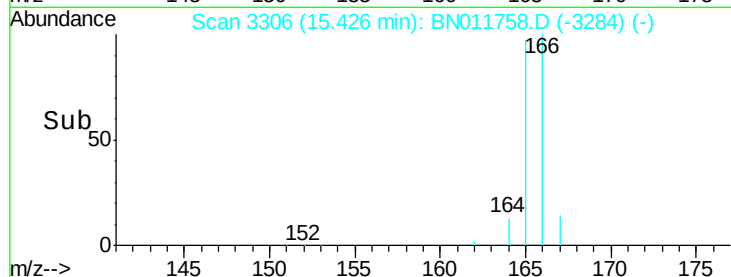
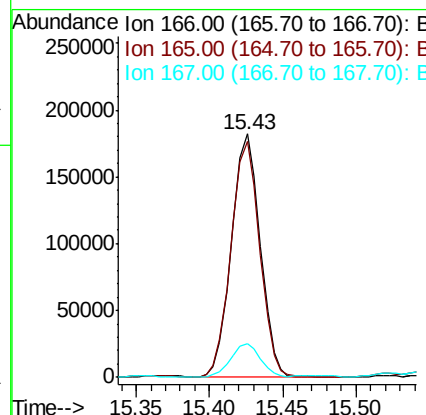
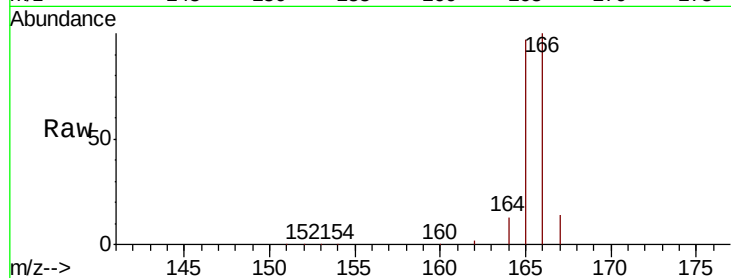




#9
Fluorene
 Concen: 8.947 ng/ul
 RT: 15.43 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: BN011758.D
 Acq: 09 Sep 2020 04:33

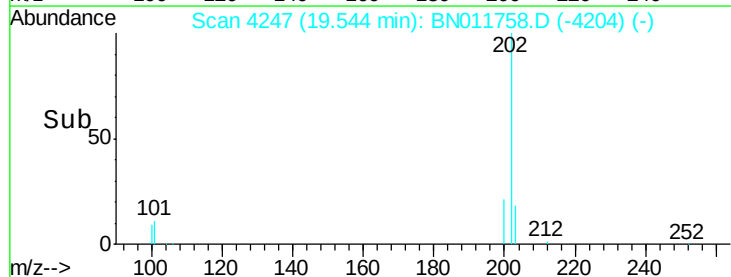
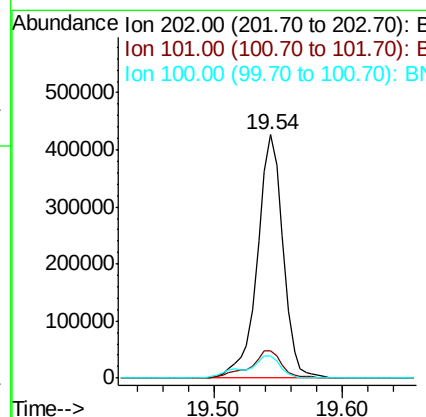
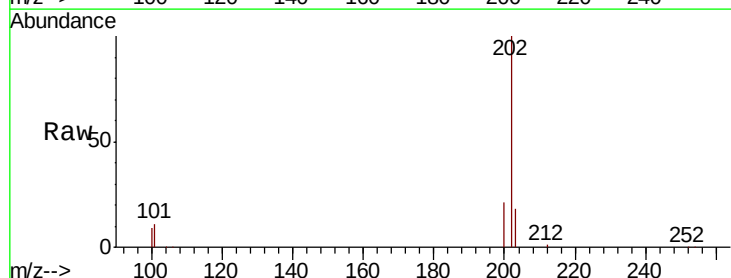
Instrument :
 BNA_N
 ClientSampleId :
 C0AC8

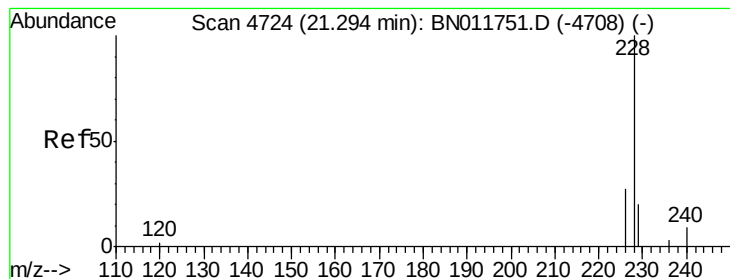
Tot Ion:166 Resp: 245869
 Ion Ratio Lower Upper
 166 100
 165 96.8 80.2 120.2
 167 13.8 11.8 17.6



#17
Pyrene
 Concen: 11.583 ng/ul
 RT: 19.54 min Scan# 4247
 Delta R.T. 0.00 min
 Lab File: BN011758.D
 Acq: 09 Sep 2020 04:33

Tgt Ion:202 Resp: 592573
 Ion Ratio Lower Upper
 202 100
 101 11.3 8.0 12.0
 100 9.3 6.5 9.7





#18

Benzo(a)anthracene

Concen: 4.843 ng/ul

RT: 21.29 min Scan# 4723

Delta R.T. -0.00 min

Lab File: BN011758.D

Acq: 09 Sep 2020 04:33

Instrument :

BNA_N

ClientSampleId :

C0AC8

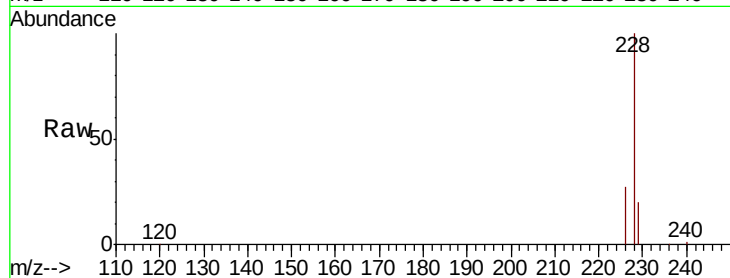
Tot Ion:228 Resp: 216952

Ion Ratio Lower Upper

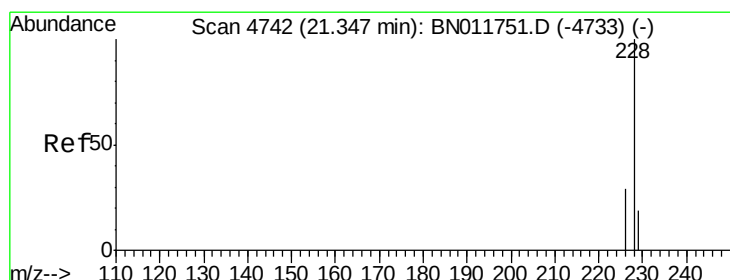
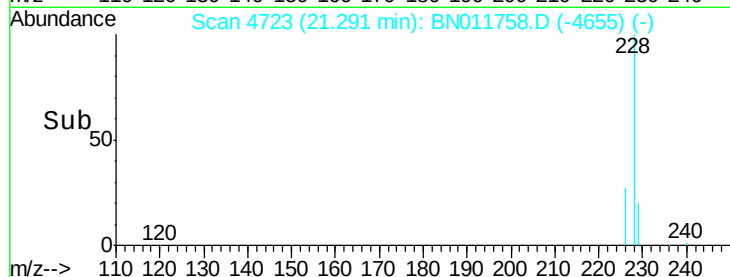
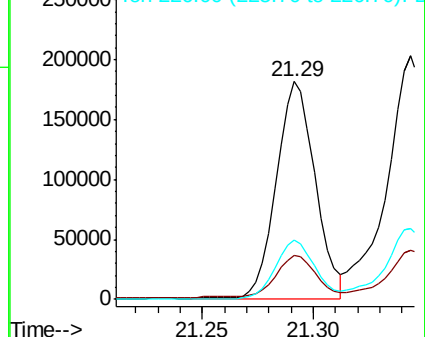
228 100

229 20.3 15.9 23.9

226 27.1 21.9 32.9



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: 5.332 ng/ul

RT: 21.34 min Scan# 4741

Delta R.T. -0.00 min

Lab File: BN011758.D

Acq: 09 Sep 2020 04:33

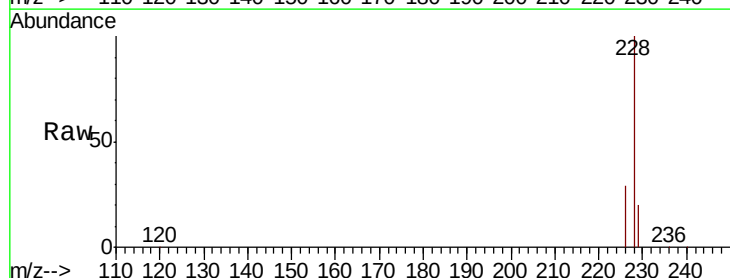
Tgt Ion:228 Resp: 266735

Ion Ratio Lower Upper

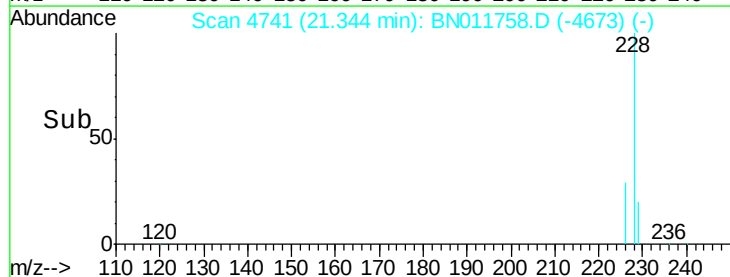
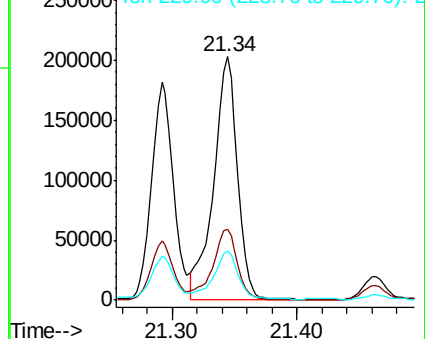
228 100

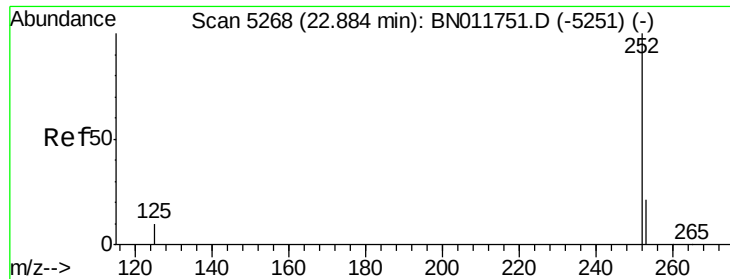
226 29.2 24.6 37.0

229 20.3 15.9 23.9



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: 5.259 ng/ul

RT: 22.88 min Scan# 5267

Delta R.T. -0.00 min

Lab File: BN011758.D

Acq: 09 Sep 2020 04:33

Instrument :

BNA_N

ClientSampleId :

C0AC8

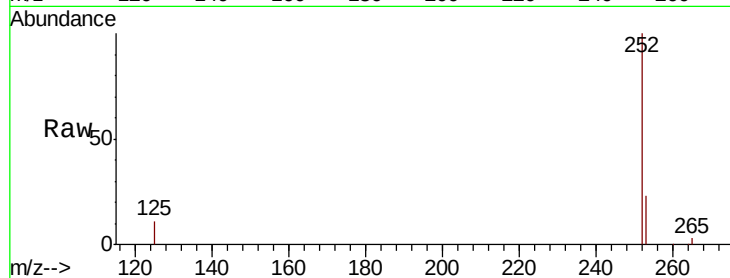
Tot Ion:252 Resp: 268795

Ion Ratio Lower Upper

252 100

253 23.1 0.0 50.6

125 10.6 0.0 23.6



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

22.88

100000

80000

60000

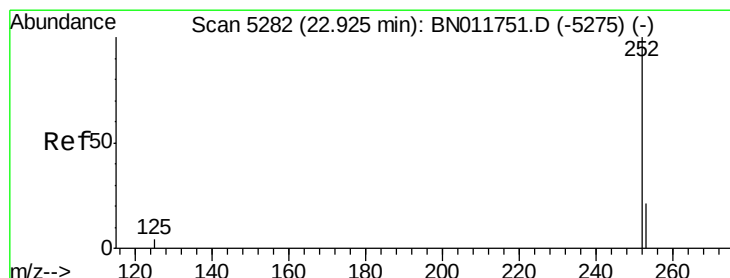
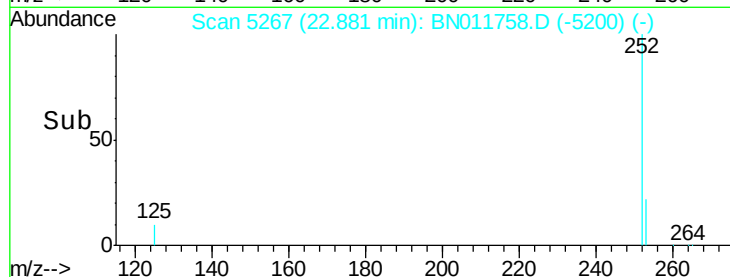
40000

20000

0

Time-->

22.80 22.90 23.00



#22

Benzo(k)fluoranthene

Concen: 5.127 ng/ul

RT: 22.88 min Scan# 5267

Delta R.T. -0.04 min

Lab File: BN011758.D

Acq: 09 Sep 2020 04:33

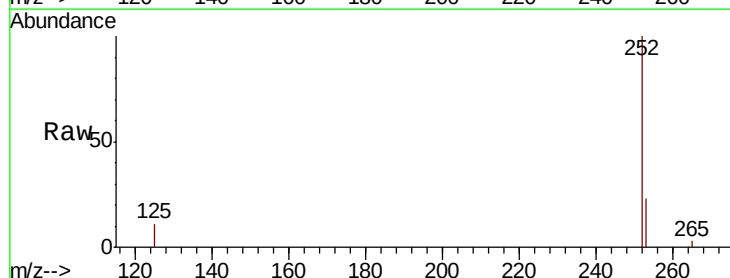
Tgt Ion:252 Resp: 268795

Ion Ratio Lower Upper

252 100

253 23.1 20.7 31.1

125 10.6 9.7 14.5



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

22.88

120000

100000

80000

60000

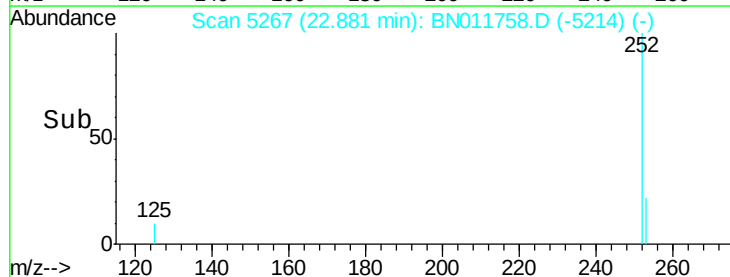
40000

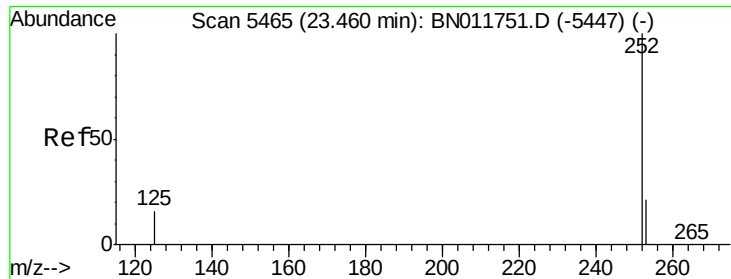
20000

0

Time-->

22.80 22.90 23.00





#23

Benzo(a)pyrene

Concen: 2.579 ng/ul

RT: 23.46 min Scan# 5464

Delta R.T. -0.00 min

Lab File: BN011758.D

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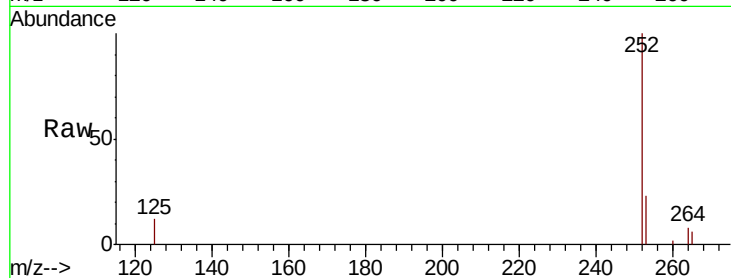
Tot Ion:252 Resp: 113794

Ion Ratio Lower Upper

252 100

253 22.7 21.6 32.4

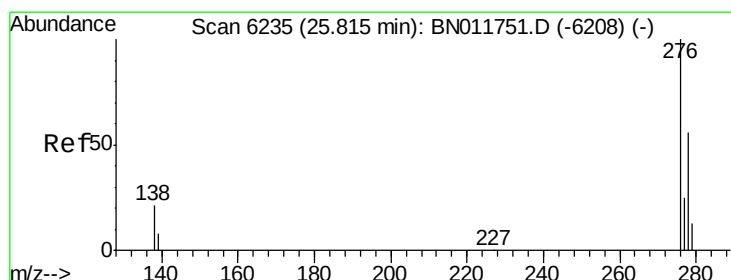
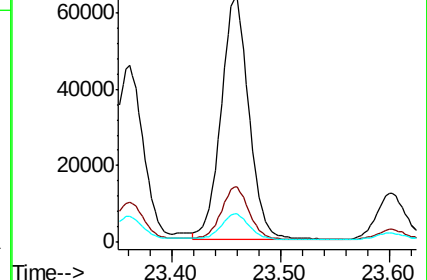
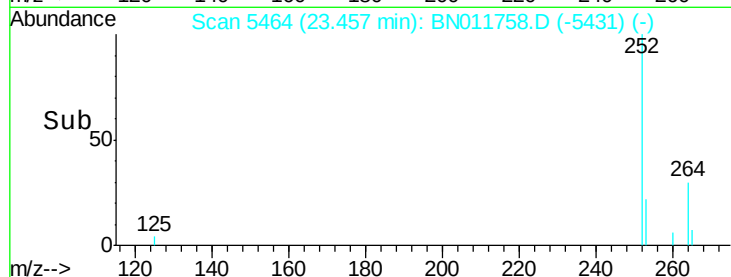
125 11.7 12.6 18.8#



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: 0.870 ng/ul

RT: 25.81 min Scan# 6234

Delta R.T. -0.00 min

Lab File: BN011758.D

Acq: 09 Sep 2020 04:33

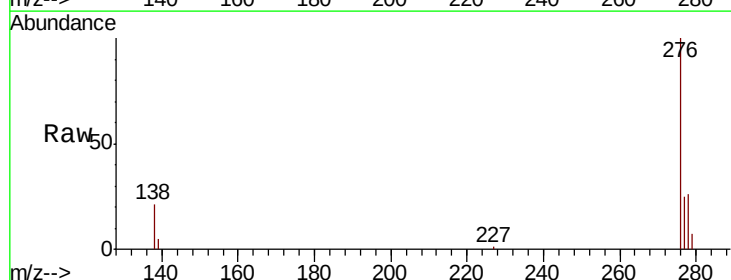
Tgt Ion:276 Resp: 50437

Ion Ratio Lower Upper

276 100

138 20.3 0.0 0.0#

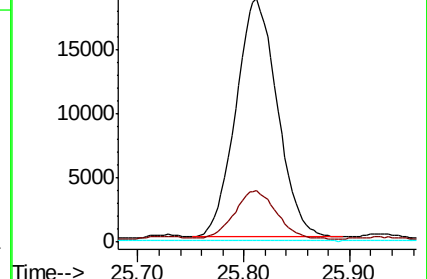
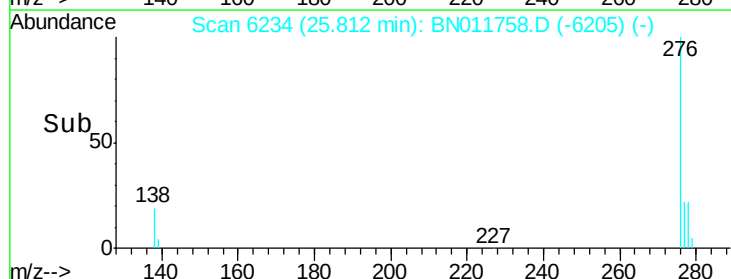
227 0.2 0.1 0.1#

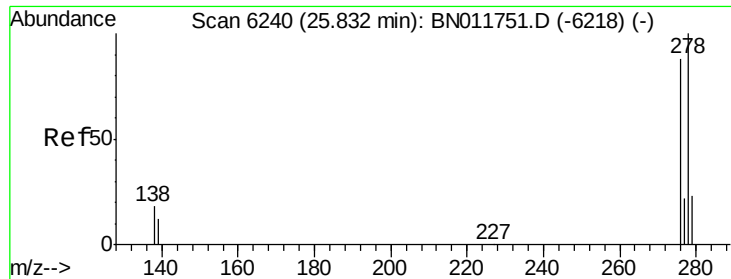


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.333 ng/ul

RT: 25.82 min Scan# 6237

Delta R.T. -0.01 min

Lab File: BN011758.D

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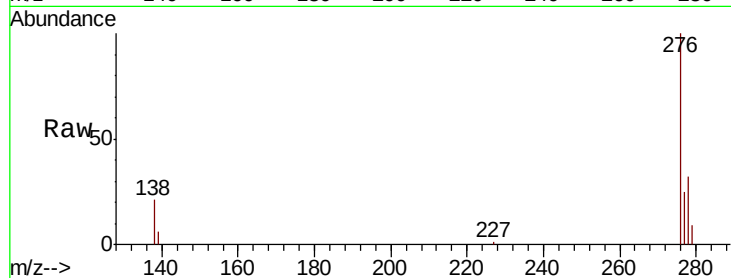
Tot Ion:278 Resp: 15764

Ion Ratio Lower Upper

278 100

139 18.3 12.4 18.6

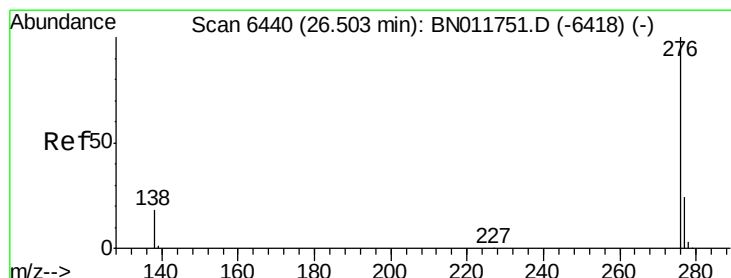
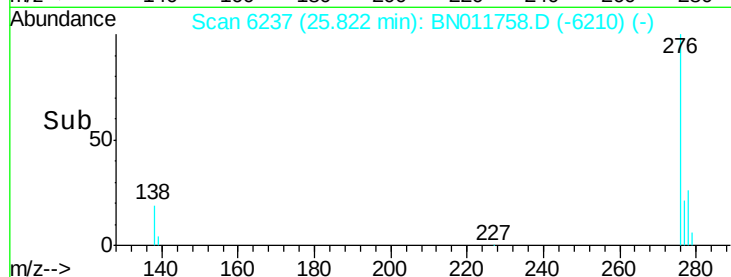
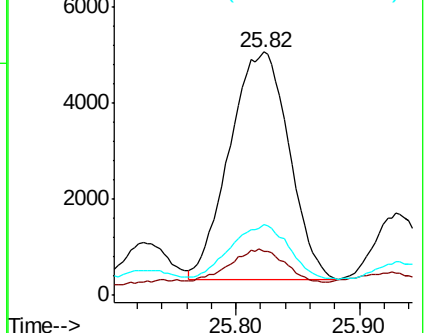
279 29.1 21.8 32.6



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: 0.832 ng/ul

RT: 26.50 min Scan# 6440

Delta R.T. 0.00 min

Lab File: BN011758.D

Acq: 09 Sep 2020 04:33

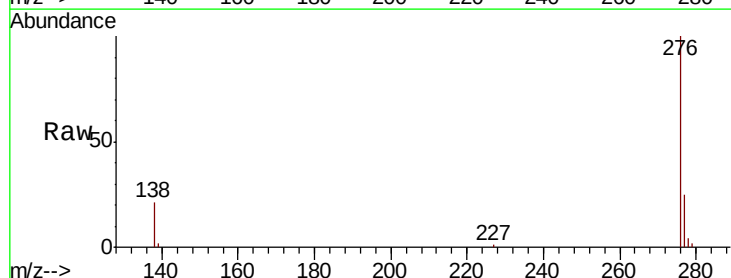
Tgt Ion:276 Resp: 42139

Ion Ratio Lower Upper

276 100

138 21.0 14.7 22.1

277 24.5 19.5 29.3



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

