

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN011020\
 Data File : BN009344.D
 Acq On : 10 Jan 2020 20:51
 Operator : JU
 Sample : K6466-16
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jan 10 23:08:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN011020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 16:45:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	1272	0.40	ng/ul	0.00
2) Naphthalene-d8	10.23	136	4557	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.11	164	2681	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-16.87
16) Chrysene-d12	21.07	240	4768	0.40	ng/ul	0.00
20) Perylene-d12	23.19	264	5188	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.84	152	1781	0.24	ng/ul	0.00
14) Fluoranthene-d10	18.90	212	5051	0.00	ng/ul	0.00

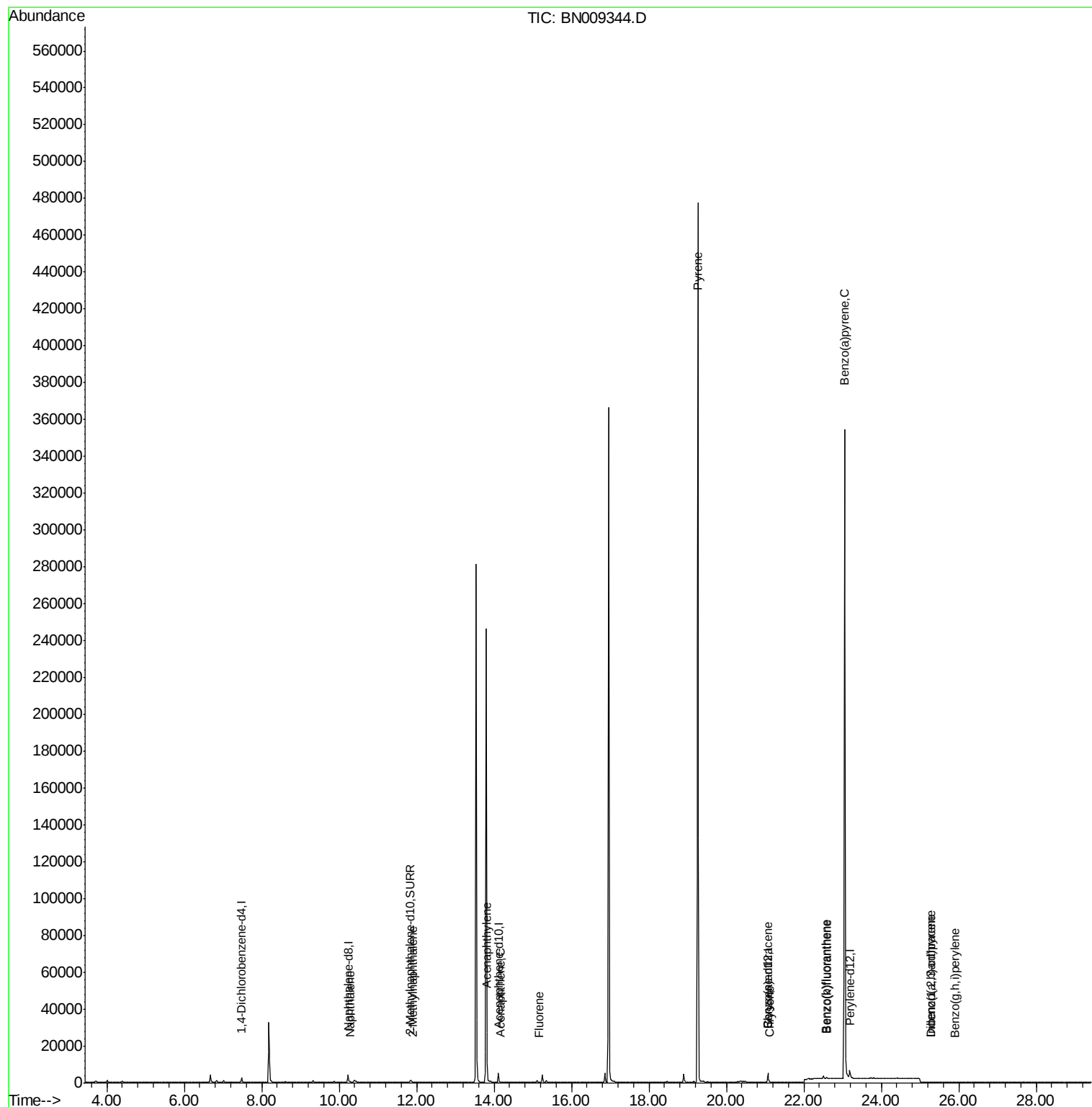
Target Compounds				Ovalue		
3) Naphthalene	10.27	128	130	0.009	ng/ul#	13
5) 2-Methylnaphthalene	11.91	142	69	0.007	ng/ul	92
7) Acenaphthylene	13.82	152	23	0.002	ng/ul#	1
8) Acenaphthene	14.17	153	20	0.002	ng/ul#	73
9) Fluorene	15.17	166	55	0.004	ng/ul#	80
17) Pyrene	19.26	202	938	0.041	ng/ul#	1
18) Benzo(a)anthracene	21.06	228	294	0.014	ng/ul#	65
19) Chrysene	21.11	228	382	0.017	ng/ul#	76
21) Benzo(b)fluoranthene	22.57	252	308	0.013	ng/ul#	1
22) Benzo(k)fluoranthene	22.61	252	284	0.011	ng/ul#	1
23) Benzo(a)pyrene	23.05	252	1785	0.077	ng/ul#	56
24) Indeno(1,2,3-cd)pyrene	25.28	276	220	0.009	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.29	278	137	0.007	ng/ul#	1
26) Benzo(g,h,i)perylene	25.91	276	195	0.009	ng/ul#	1

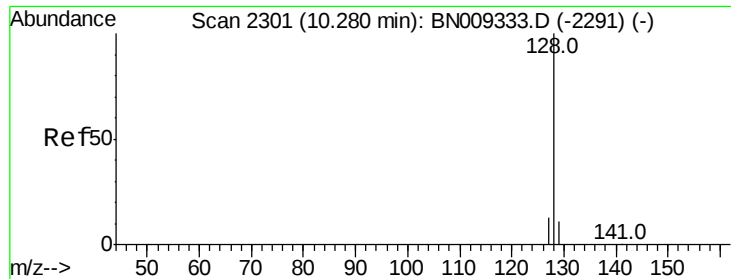
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 10 16:45:39 2020
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#3

Naphthalene

Concen: 0.009 ng/ul

RT: 10.27 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BN009344.D

Acq: 10 Jan 2020 20:51

Instrument :

BNA_N

ClientSampleId :

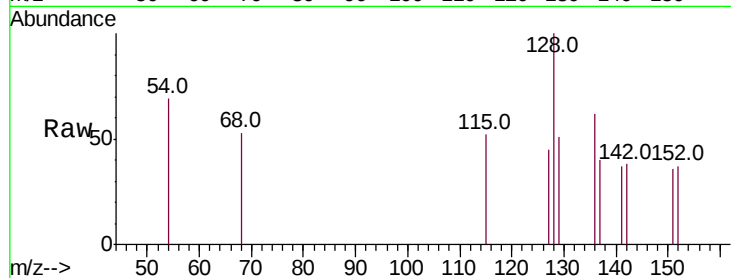
Tot Ion:128 Resp: 130

Ion Ratio Lower Upper

128 100

129 50.8 9.9 14.9#

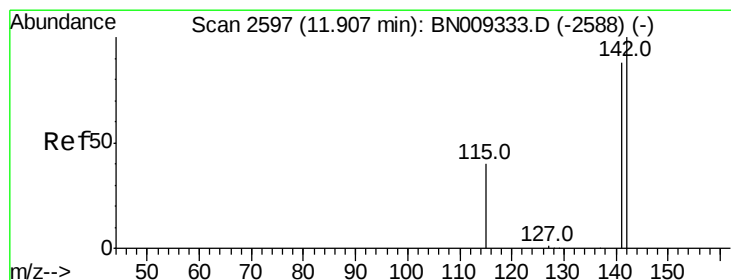
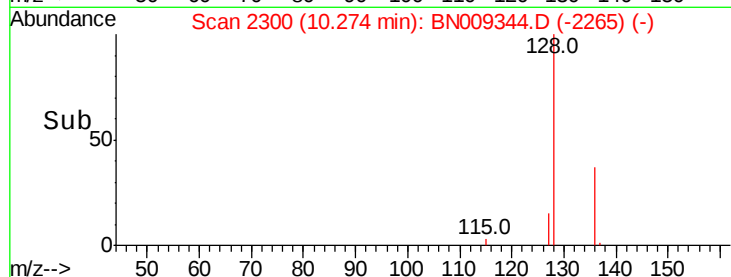
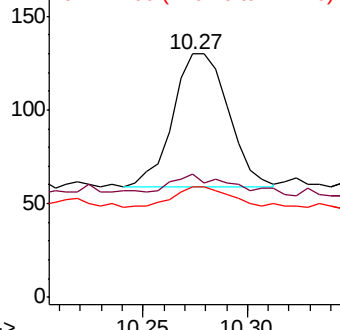
127 45.4 11.3 16.9#



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: 0.007 ng/ul

RT: 11.91 min Scan# 2598

Delta R.T. 0.01 min

Lab File: BN009344.D

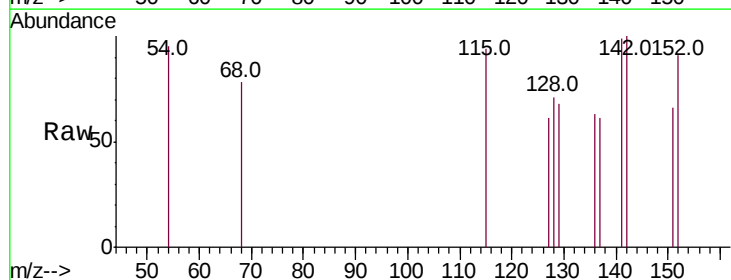
Acq: 10 Jan 2020 20:51

Tgt Ion:142 Resp: 69

Ion Ratio Lower Upper

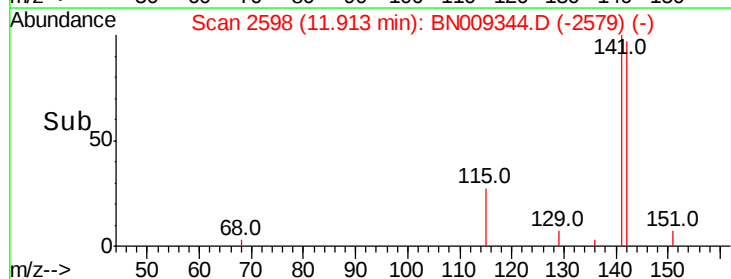
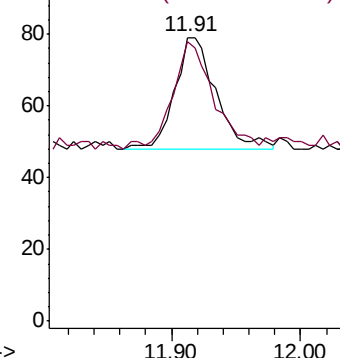
142 100

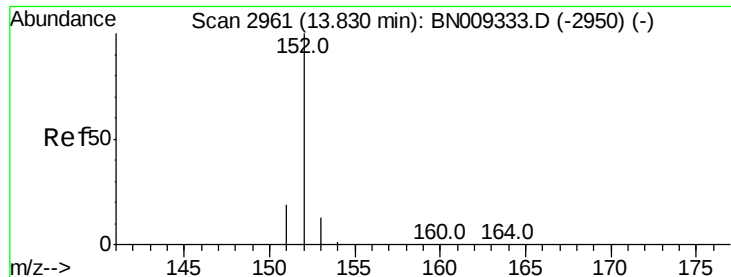
141 95.7 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.002 ng/ul

RT: 13.82 min Scan# 2960

Delta R.T. -0.00 min

Lab File: BN009344.D

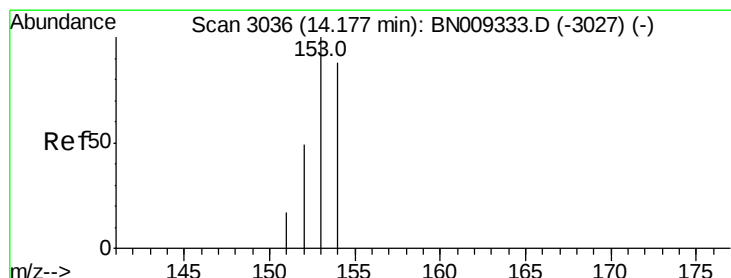
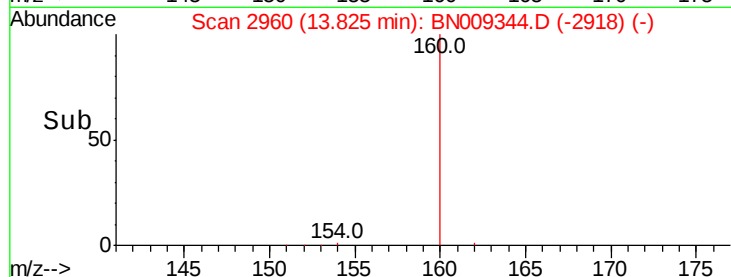
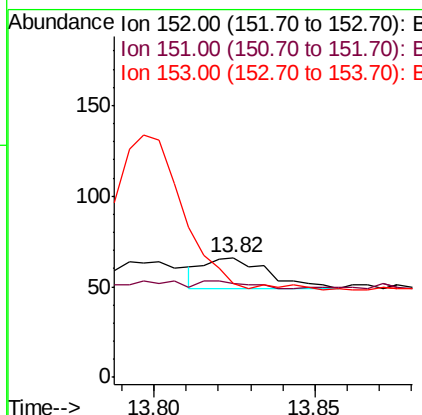
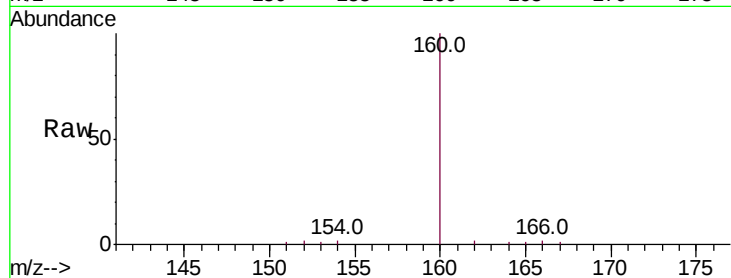
Acq: 10 Jan 2020 20:51

Instrument :

BNA_N

ClientSampleId :

Tot Ion:	152	Resp:	23
Ion	Ratio	Lower	Upper
152	100		
151	78.8	16.1	24.1#
153	78.8	11.2	16.8#



#8

Acenaphthene

Concen: 0.002 ng/ul

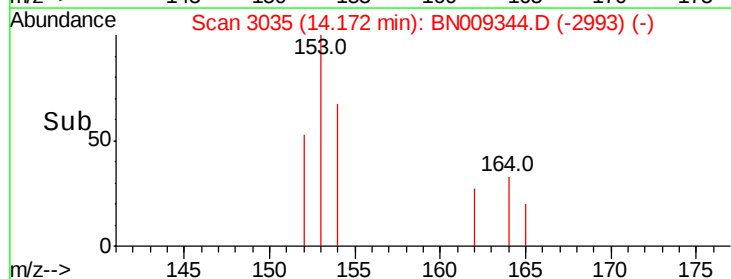
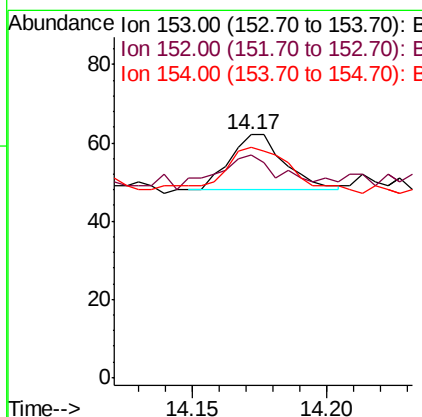
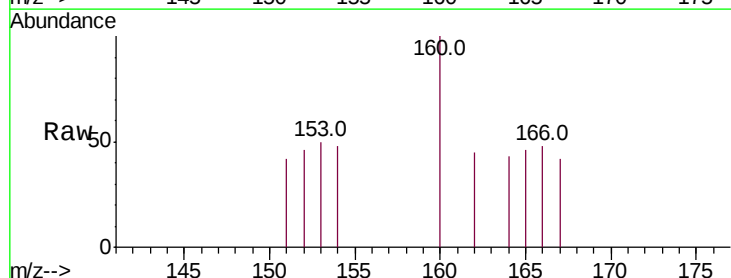
RT: 14.17 min Scan# 3035

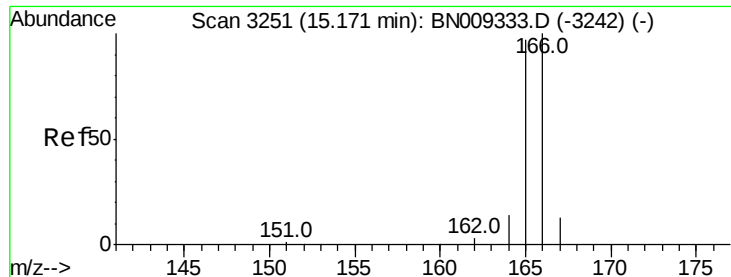
Delta R.T. -0.00 min

Lab File: BN009344.D

Acq: 10 Jan 2020 20:51

Tgt Ion:	153	Resp:	20
Ion	Ratio	Lower	Upper
153	100		
152	91.9	39.9	59.9#
154	95.2	70.8	106.2





#9

Fluorene

Concen: 0.004 ng/ul

RT: 15.17 min Scan# 3250

Delta R.T. -0.00 min

Lab File: BN009344.D

Acq: 10 Jan 2020 20:51

Instrument :

BNA_N

ClientSampleId :

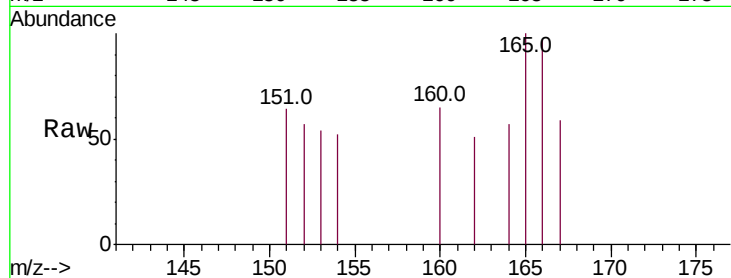
Tot Ion:166 Resp: 55

Ion Ratio Lower Upper

166 100

165 103.3 77.6 116.4

167 60.4 11.8 17.6#



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

600

400

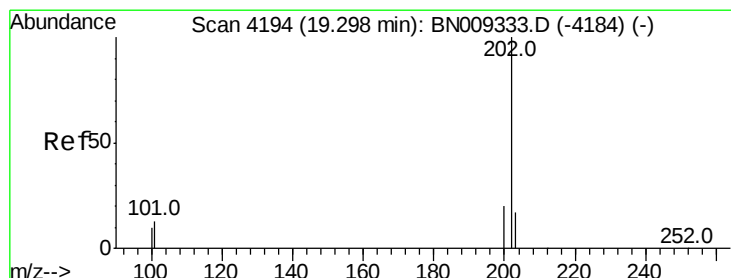
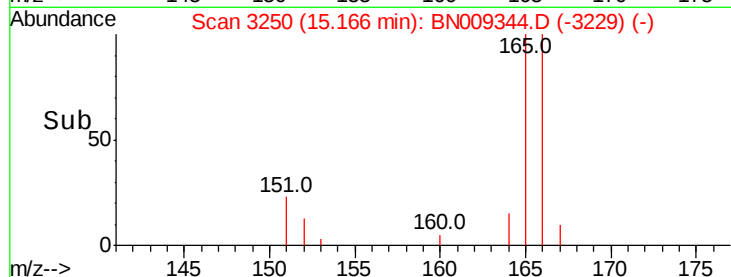
200

0

15.15 15.20

15.17

Time-->



#17

Pyrene

Concen: 0.041 ng/ul

RT: 19.26 min Scan# 4186

Delta R.T. -0.04 min

Lab File: BN009344.D

Acq: 10 Jan 2020 20:51

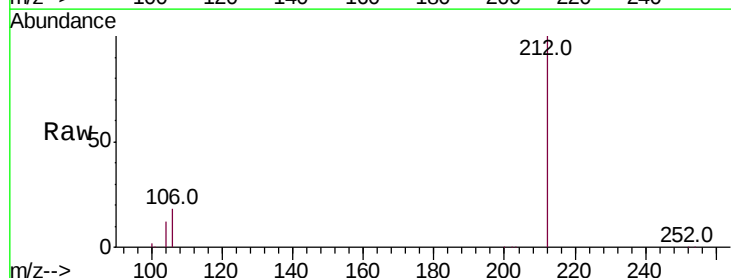
Tgt Ion:202 Resp: 938

Ion Ratio Lower Upper

202 100

101 183.8 11.0 16.4#

100 1247.4 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): E

10000

8000

6000

4000

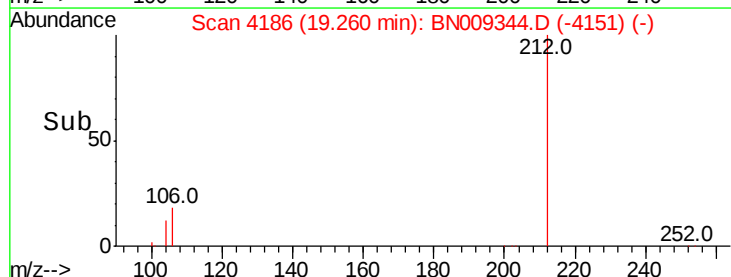
2000

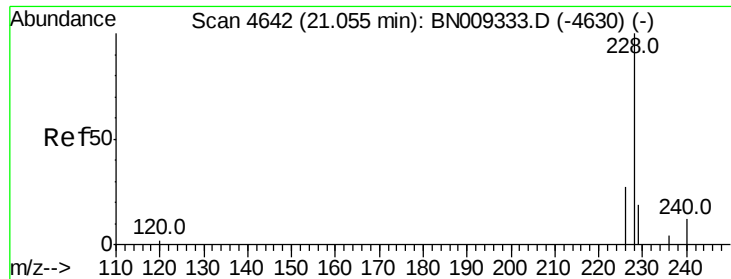
0

19.20 19.25 19.30 19.35

19.26

Time-->





#18

Benzo(a)anthracene

Concen: 0.014 ng/ul

RT: 21.06 min Scan# 4644

Delta R.T. 0.01 min

Lab File: BN009344.D

Acq: 10 Jan 2020 20:51

Instrument :

BNA_N

ClientSampleId :

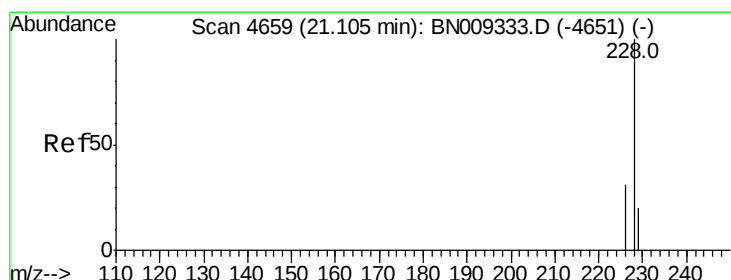
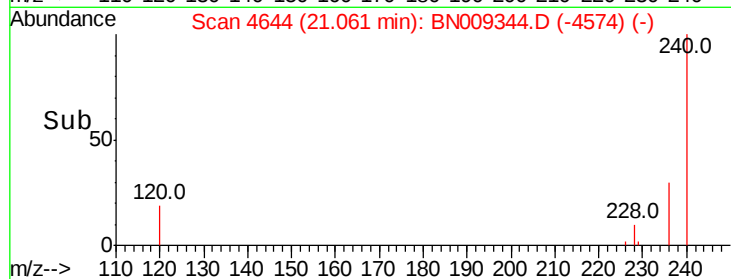
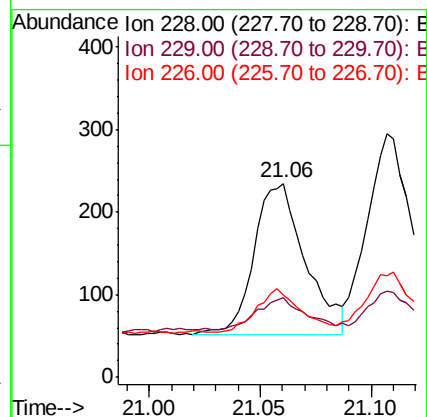
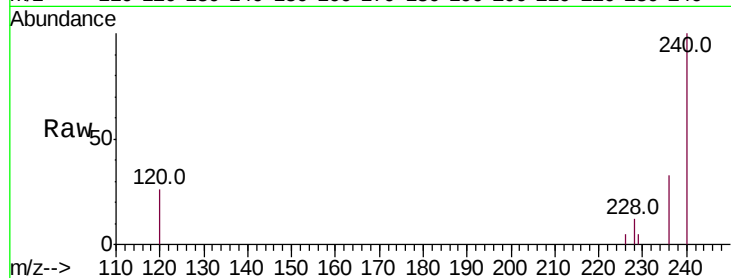
Tot Ion:228 Resp: 294

Ion Ratio Lower Upper

228 100

229 40.9 16.0 24.0#

226 42.1 21.9 32.9#



#19

Chrysene

Concen: 0.017 ng/ul

RT: 21.11 min Scan# 4660

Delta R.T. 0.00 min

Lab File: BN009344.D

Acq: 10 Jan 2020 20:51

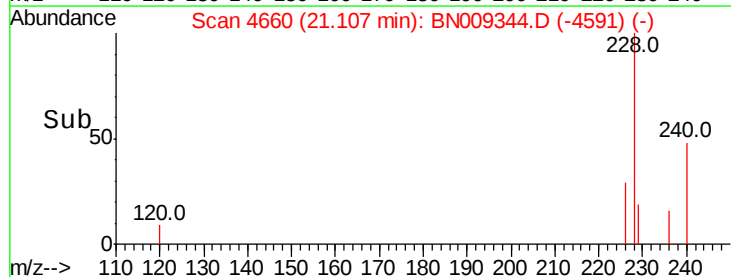
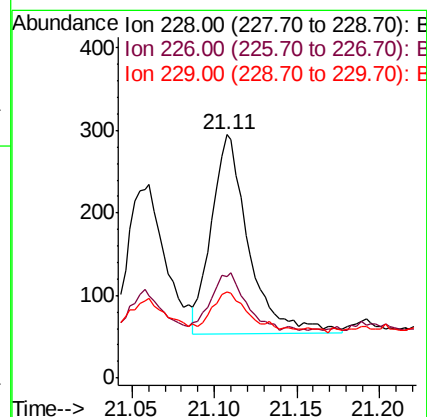
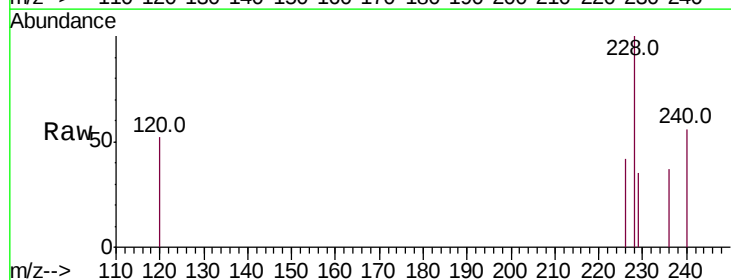
Tgt Ion:228 Resp: 382

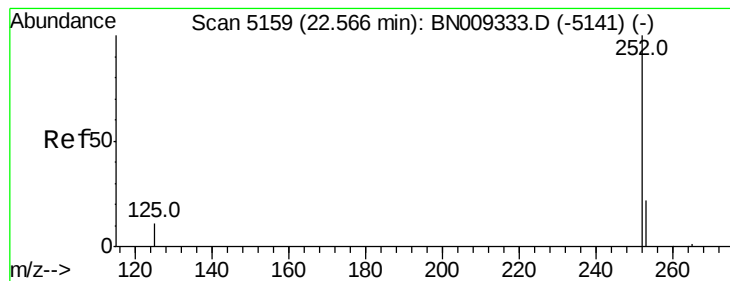
Ion Ratio Lower Upper

228 100

226 41.7 24.7 37.1#

229 35.3 16.6 24.8#





#21

Benzo(b)fluoranthene

Concen: 0.013 ng/ul

RT: 22.57 min Scan# 5159

Delta R.T. -0.00 min

Lab File: BN009344.D

Acq: 10 Jan 2020 20:51

Instrument :

BNA_N

ClientSampleId :

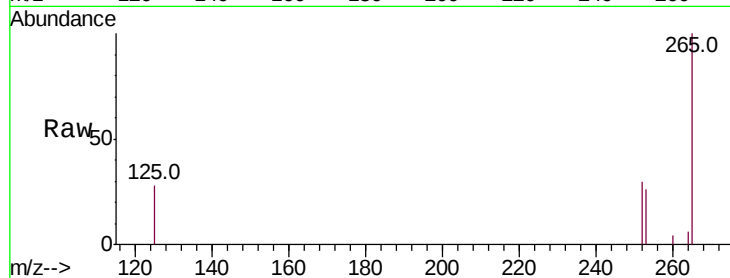
Tot Ion:252 Resp: 308

Ion Ratio Lower Upper

252 100

253 86.9 0.0 52.8#

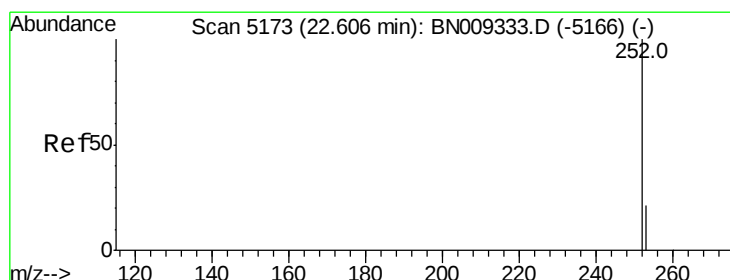
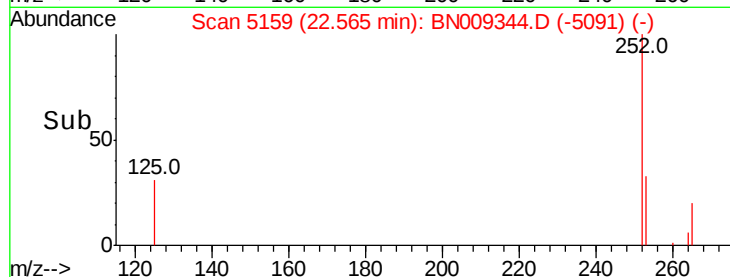
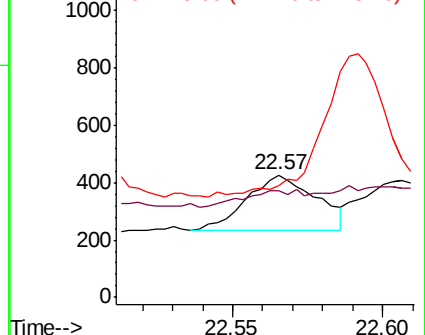
125 91.5 0.0 32.0#



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: 0.011 ng/ul

RT: 22.61 min Scan# 5173

Delta R.T. -0.00 min

Lab File: BN009344.D

Acq: 10 Jan 2020 20:51

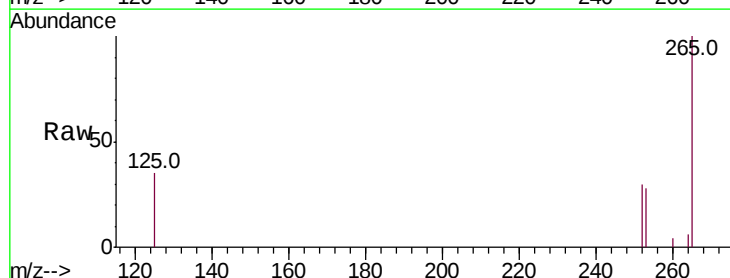
Tgt Ion:252 Resp: 284

Ion Ratio Lower Upper

252 100

253 94.1 21.4 32.0#

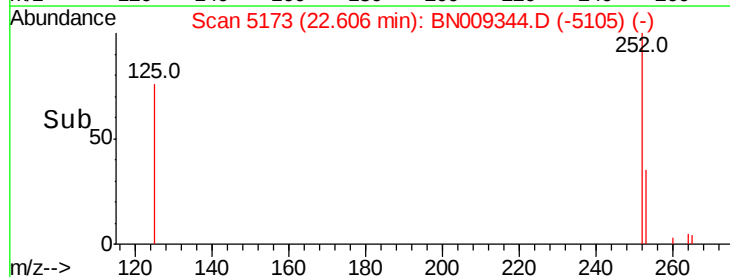
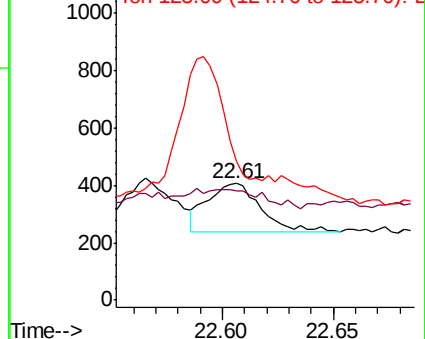
125 118.7 16.4 24.6#

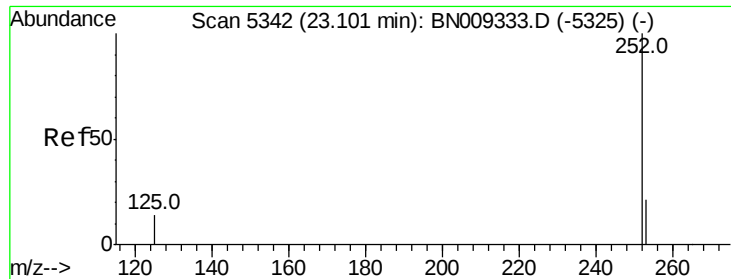


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.077 ng/u1

RT: 23.05 min Scan# 5324

Delta R.T. -0.05 min

Lab File: BN009344.D

Acq: 10 Jan 2020 20:51

Instrument :

BNA_N

ClientSampleId :

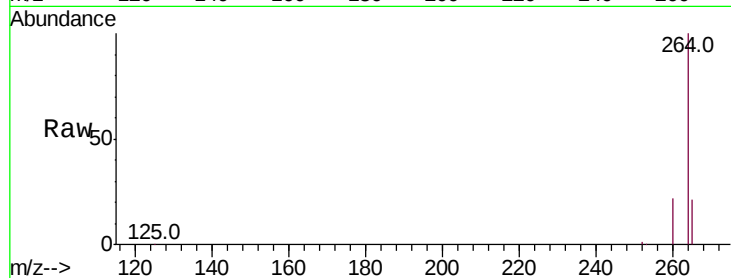
Tot Ion:252 Resp: 1785

Ion Ratio Lower Upper

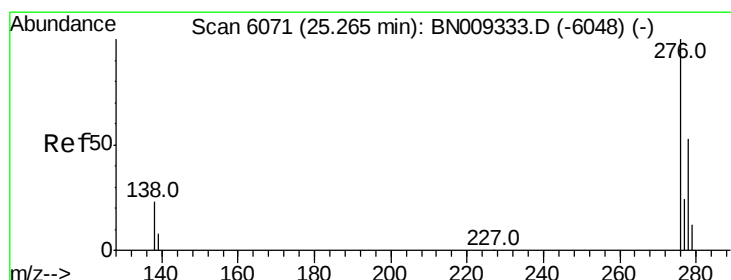
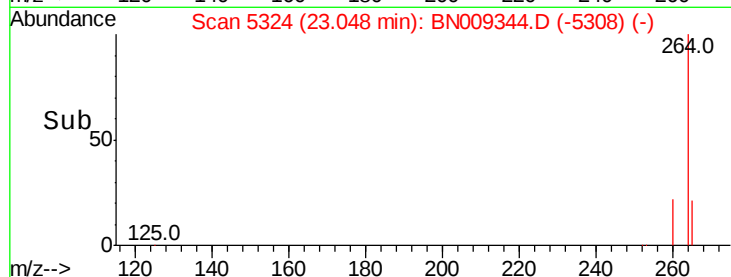
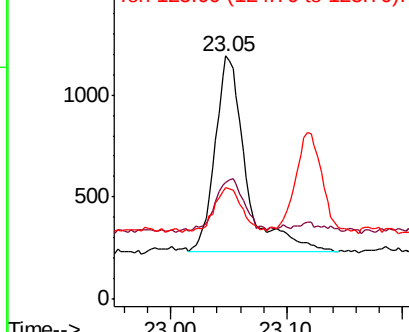
252 100

253 48.2 22.7 34.1#

125 45.8 17.0 25.6#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.009 ng/u1

RT: 25.28 min Scan# 6076

Delta R.T. 0.02 min

Lab File: BN009344.D

Acq: 10 Jan 2020 20:51

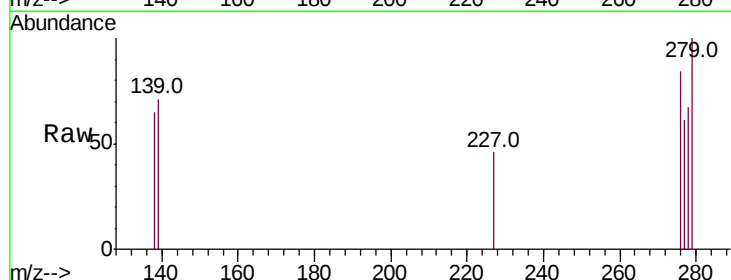
Tgt Ion:276 Resp: 220

Ion Ratio Lower Upper

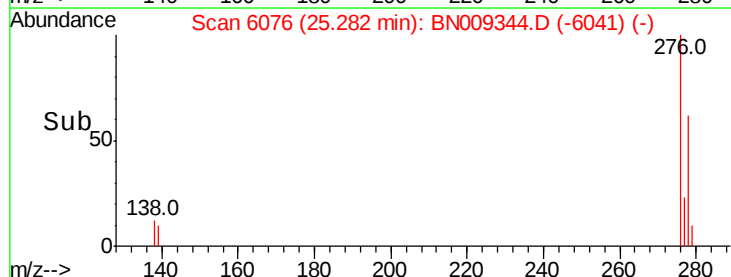
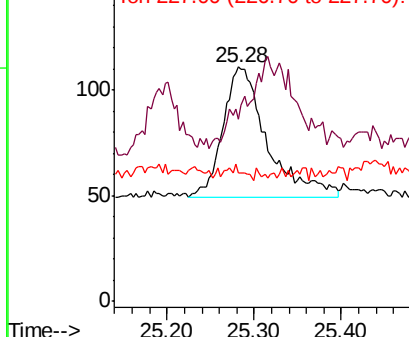
276 100

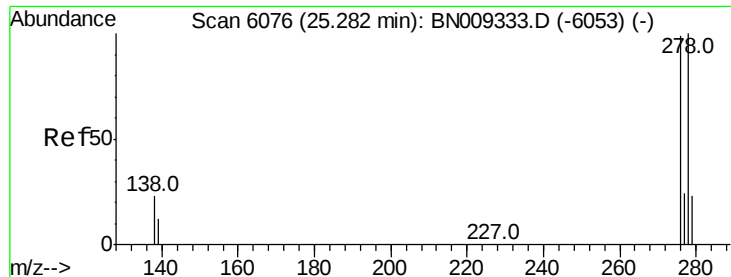
138 17.7 19.4 29.2#

227 4.1 0.0 0.0#



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

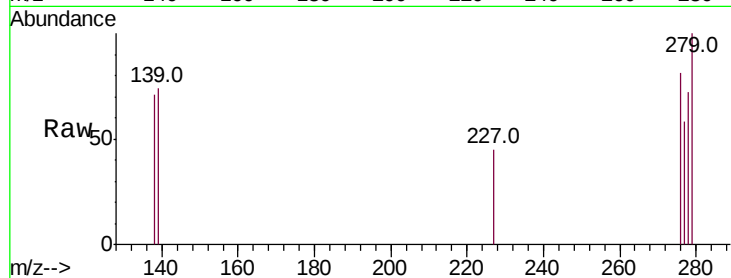




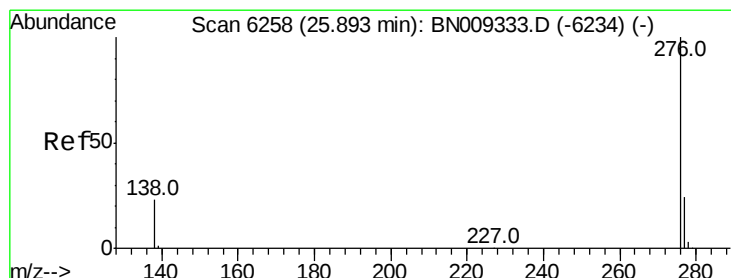
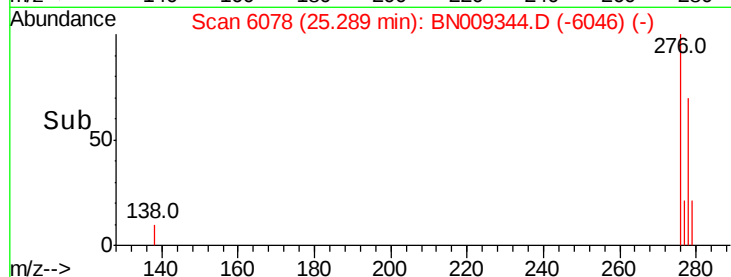
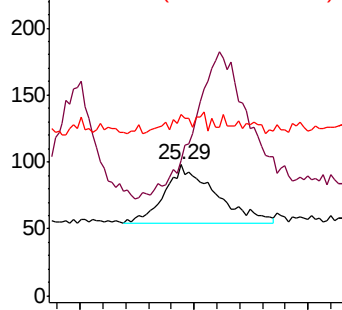
#25
Dibenzo(a,h)anthracene
Concen: 0.007 ng/ul
RT: 25.29 min Scan# 6078
Delta R.T. 0.01 min
Lab File: BN009344.D
Acq: 10 Jan 2020 20:51

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 137
Ion Ratio Lower Upper
278 100
139 103.1 15.3 22.9#
279 138.8 22.2 33.2#

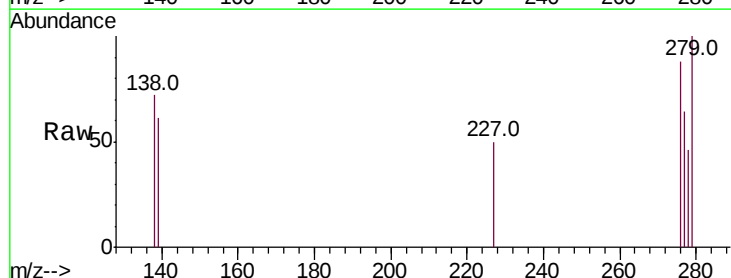


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.009 ng/ul
RT: 25.91 min Scan# 6262
Delta R.T. 0.01 min
Lab File: BN009344.D
Acq: 10 Jan 2020 20:51

Tgt Ion:276 Resp: 195
Ion Ratio Lower Upper
276 100
138 81.1 20.3 30.5#
277 72.6 20.4 30.6#



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

