

Data File : BN009072.D
Acq On : 20 Dec 2019 17:29
Operator : JU
Sample : K6171-12DL 5X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0BW1DL

Quant Time: Dec 20 22:58:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN121619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 20 22:55:30 2019
Response via : Initial Calibration

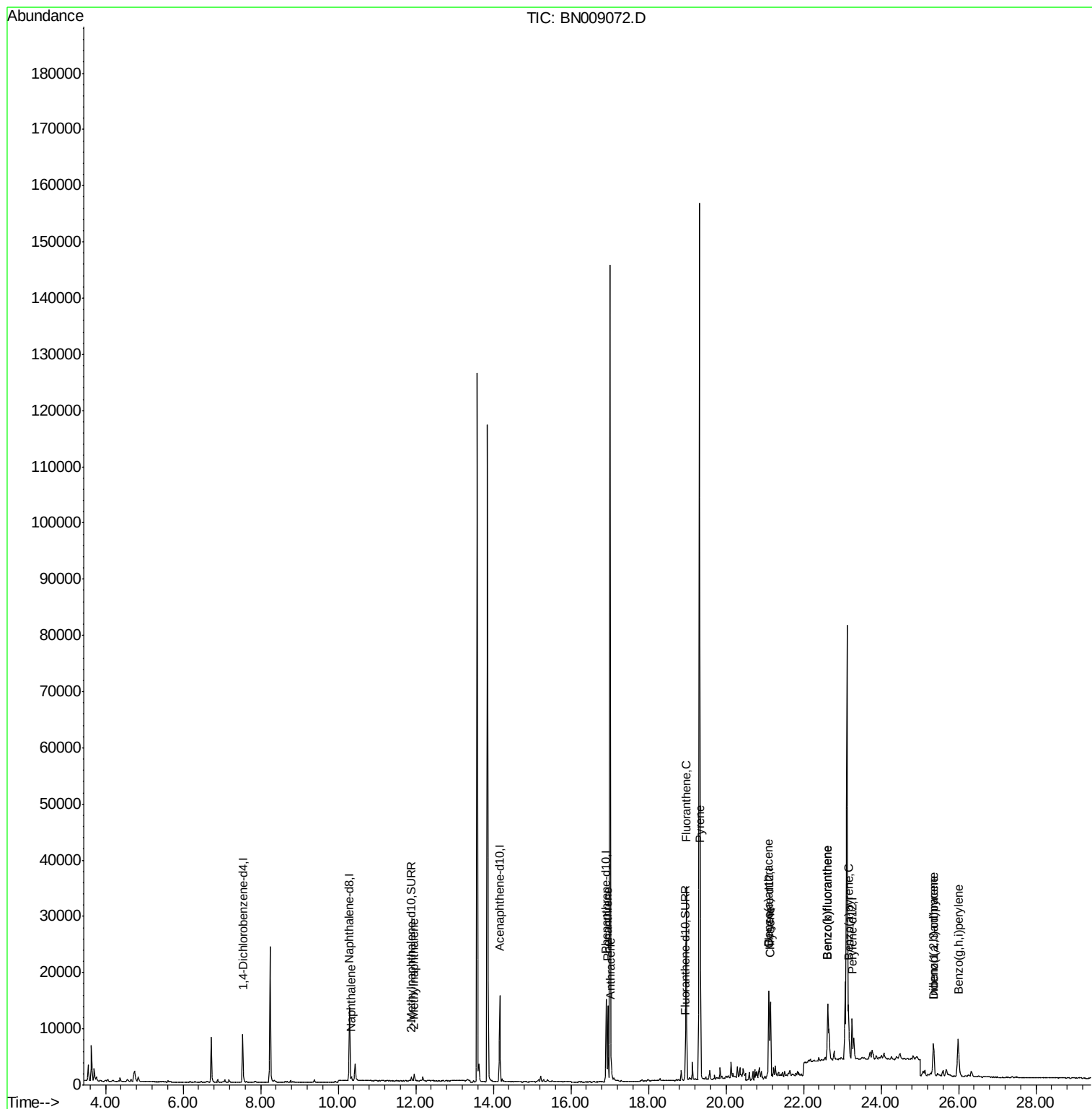
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	4154	0.40	ng/ul	0.00
2) Naphthalene-d8	10.29	136	15849	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.17	164	8360	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.91	188	16090	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	8687	0.40	ng/ul	0.00
20) Perylene-d12	23.26	264	8359	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.89	152	1034	0.04	ng/ul	0.00
14) Fluoranthene-d10	18.95	212	1811	0.04	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.34	128	962	0.020	ng/ul#	81
5) 2-Methylnaphthalene	11.97	142	904	0.025	ng/ul	97
12) Phenanthrene	16.95	178	13572	0.243	ng/ul	99
13) Anthracene	17.04	178	2092	0.042	ng/ul#	91
15) Fluoranthene	18.98	202	28933	0.452	ng/ul	98
17) Pyrene	19.34	202	25116	0.567	ng/ul	97
18) Benzo(a)anthracene	21.10	228	10654	0.276	ng/ul#	86
19) Chrysene	21.15	228	13675	0.353	ng/ul#	91
21) Benzo(b)fluoranthene	22.63	252	20592	0.528	ng/ul	89
22) Benzo(k)fluoranthene	22.63	252	20591	0.523	ng/ul#	90
23) Benzo(a)pyrene	23.16	252	11975	0.350	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.35	276	8243	0.221	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.36	278	2132	0.072	ng/ul#	40
26) Benzo(g,h,i)perylene	25.99	276	12945	0.413	ng/ul	95

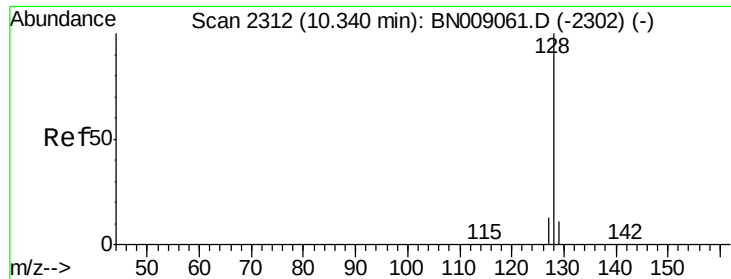
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Naphthalene

Concen: 0.020 ng/ul

RT: 10.34 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

Instrument :

BNA_N

ClientSampleId :

C0BW1DL

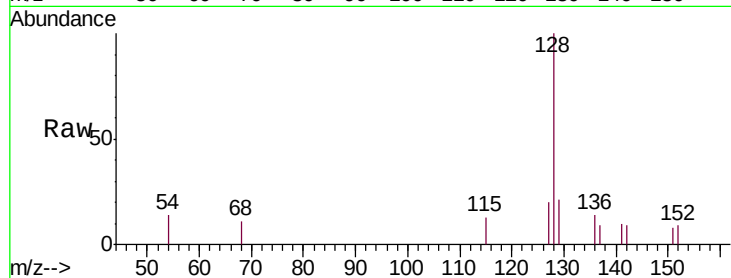
Tgt Ion:128 Resp: 962

Ion Ratio Lower Upper

128 100

129 20.5 9.0 13.4#

127 19.6 10.9 16.3#



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

10.34

600

400

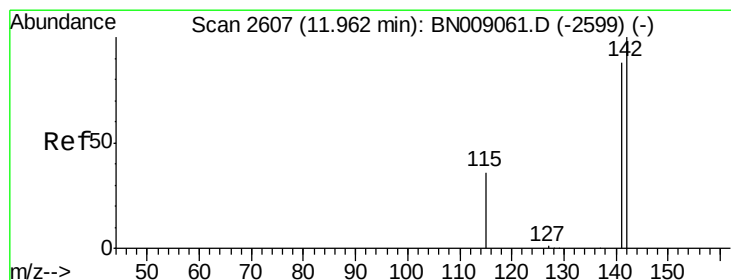
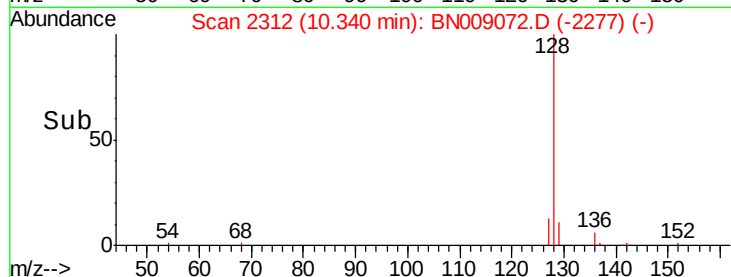
200

0

10.30

10.40

Time-->



#5

2-Methylnaphthalene

Concen: 0.025 ng/ul

RT: 11.97 min Scan# 2608

Delta R.T. 0.00 min

Lab File: BN009072.D

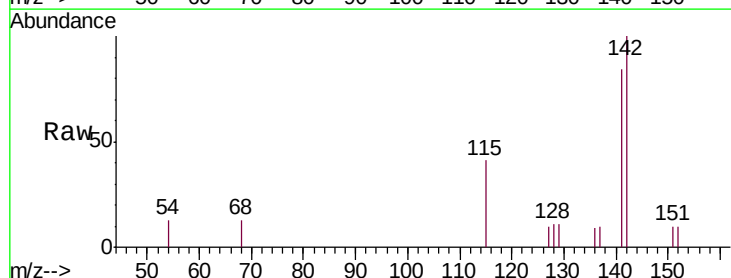
Acq: 20 Dec 2019 17:29

Tgt Ion:142 Resp: 904

Ion Ratio Lower Upper

142 100

141 84.7 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.97

600

400

200

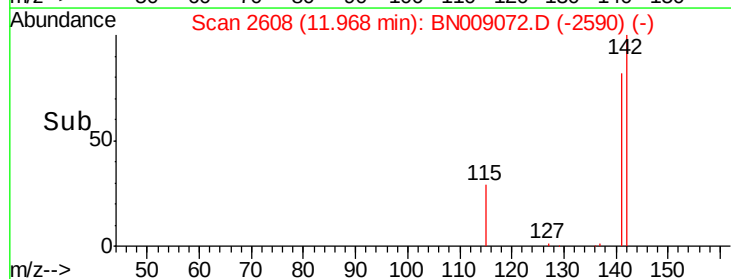
0

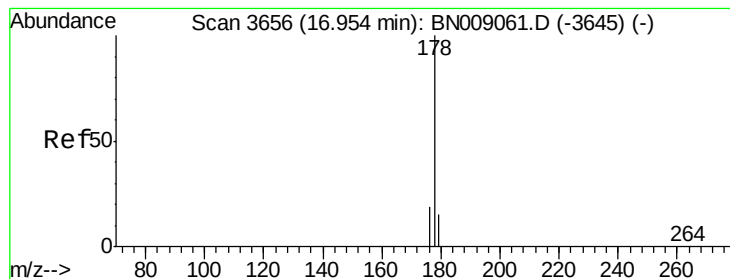
11.90

12.00

12.10

Time-->





#12

Phenanthrene

Concen: 0.243 ng/ul

RT: 16.95 min Scan# 3656

Delta R.T. -0.00 min

Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

Instrument :

BNA_N

ClientSampleId :

C0BW1DL

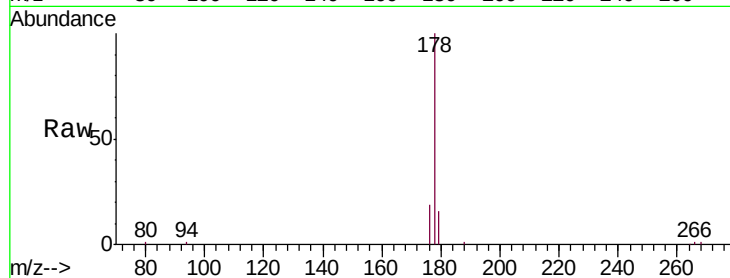
Tgt Ion:178 Resp: 13572

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

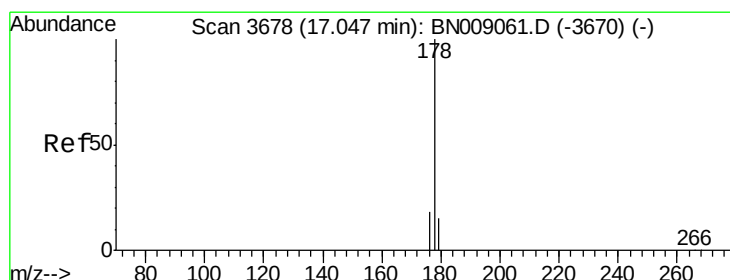
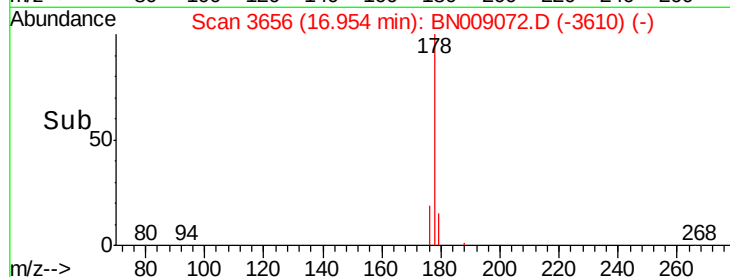
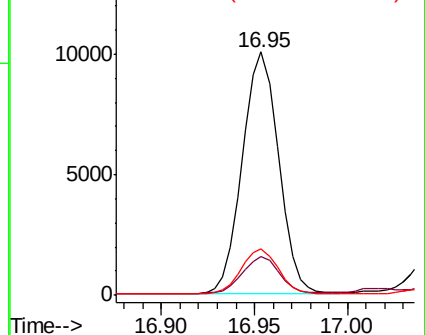
176 19.0 15.1 22.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.042 ng/ul

RT: 17.04 min Scan# 3677

Delta R.T. -0.00 min

Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

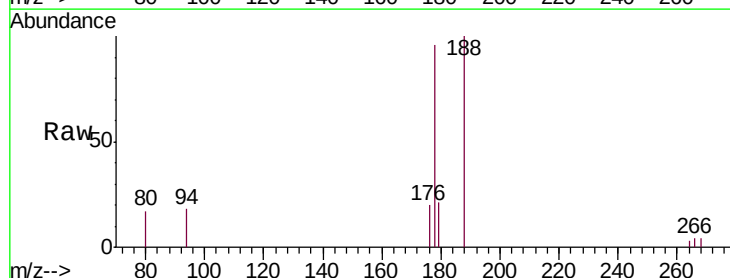
Tgt Ion:178 Resp: 2092

Ion Ratio Lower Upper

178 100

179 21.4 12.5 18.7#

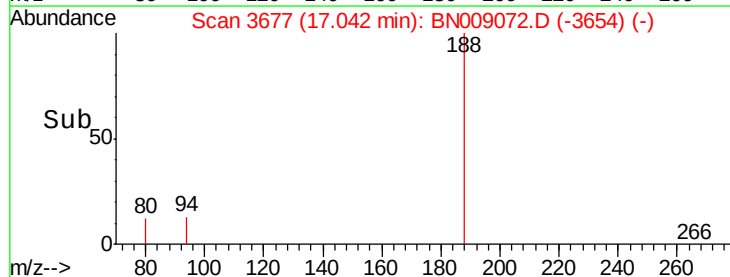
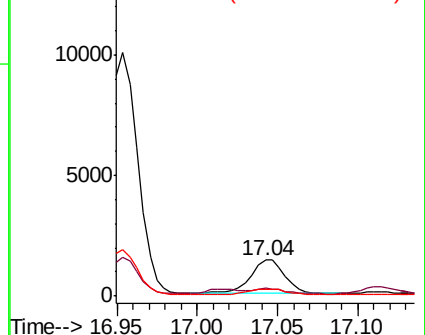
176 20.6 14.9 22.3

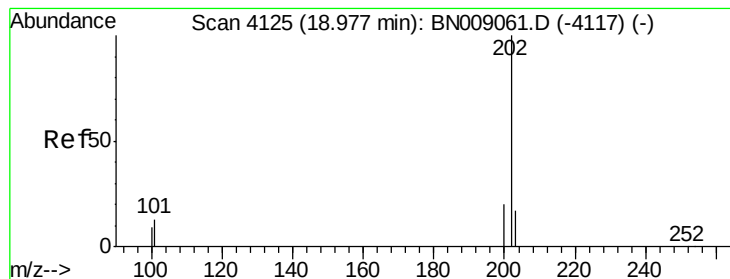


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.452 ng/ul

RT: 18.98 min Scan# 4125

Delta R.T. -0.00 min

Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

Instrument :

BNA_N

ClientSampleId :

C0BW1DL

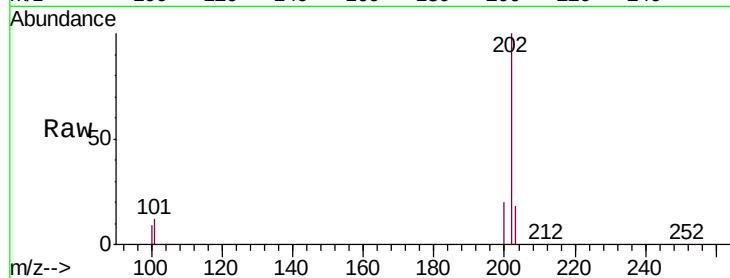
Tgt Ion:202 Resp: 28933

Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.5

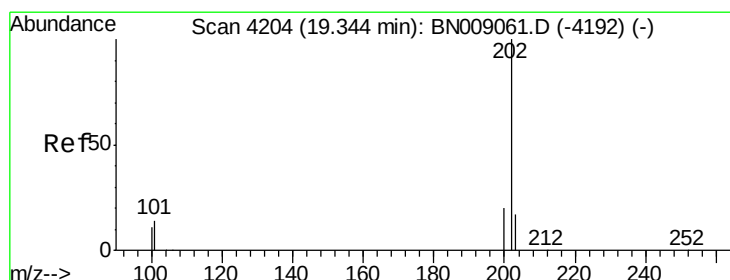
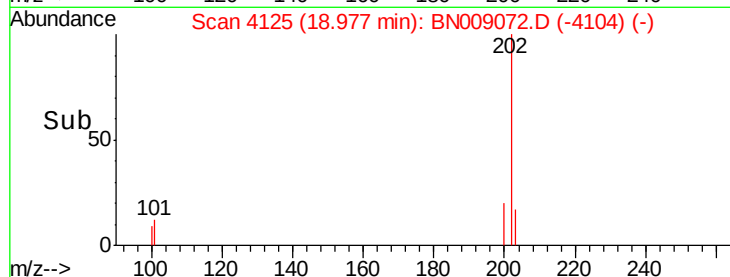
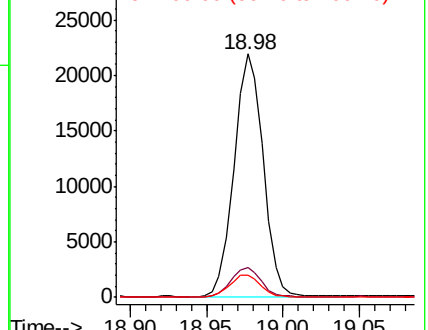
100 9.3 0.0 28.9



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



#17

Pyrene

Concen: 0.567 ng/ul

RT: 19.34 min Scan# 4203

Delta R.T. -0.00 min

Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

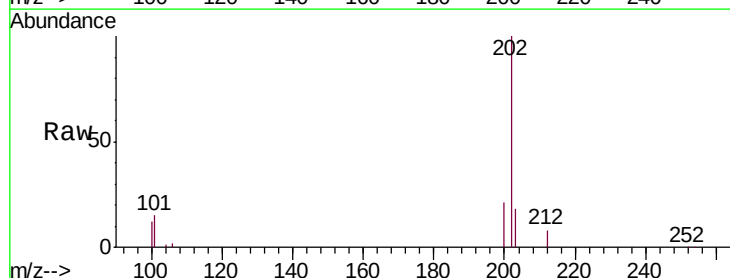
Tgt Ion:202 Resp: 25116

Ion Ratio Lower Upper

202 100

101 15.0 10.9 16.3

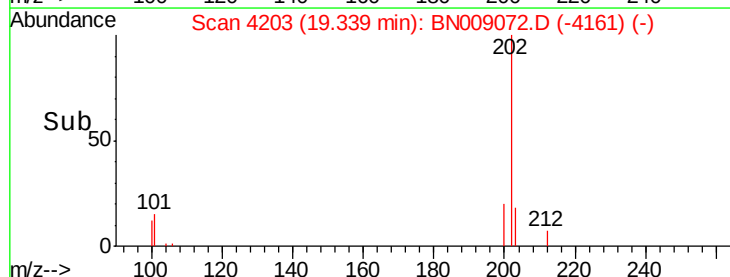
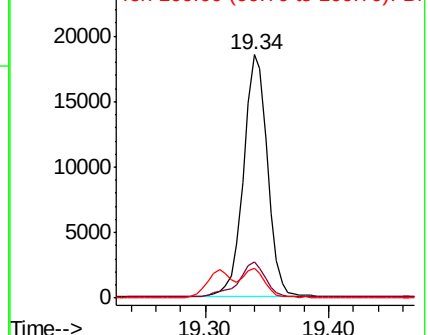
100 12.0 9.0 13.6

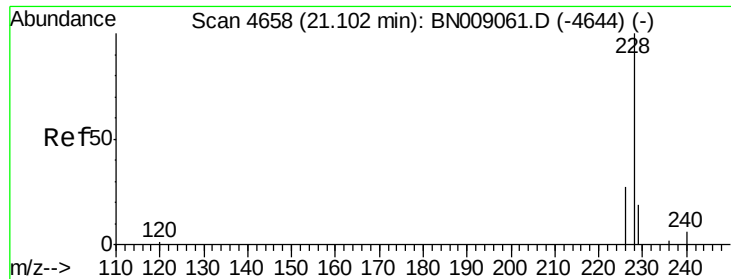


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.276 ng/ul

RT: 21.10 min Scan# 4658

Delta R.T. -0.00 min

Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

Instrument :

BNA_N

ClientSampleId :

C0BW1DL

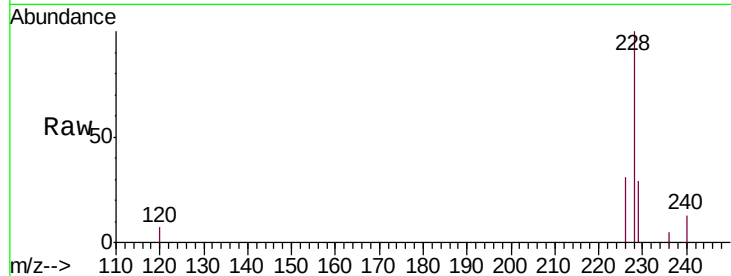
Tgt Ion:228 Resp: 10654

Ion Ratio Lower Upper

228 100

229 29.3 15.5 23.3#

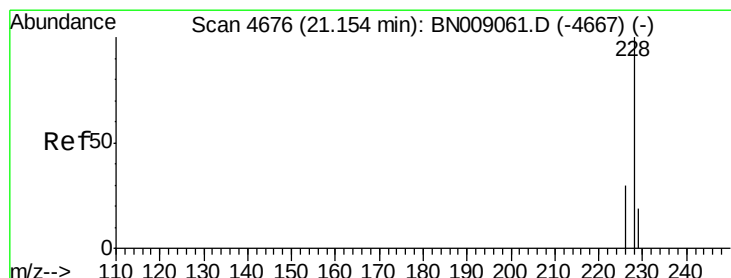
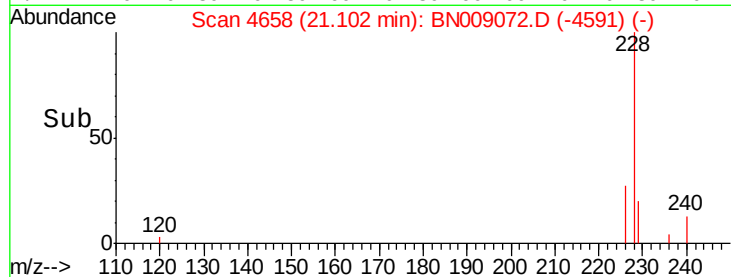
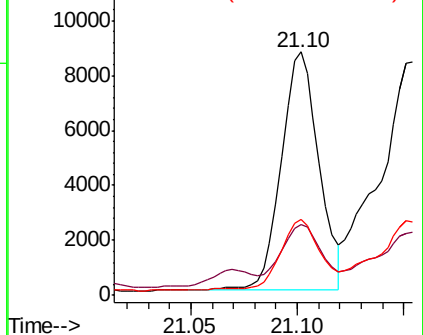
226 31.1 21.7 32.5



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: 0.353 ng/ul

RT: 21.15 min Scan# 4676

Delta R.T. -0.00 min

Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

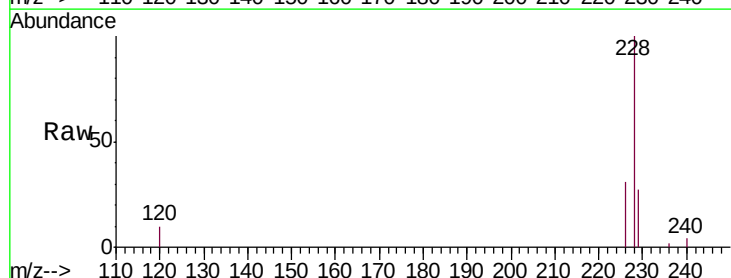
Tgt Ion:228 Resp: 13675

Ion Ratio Lower Upper

228 100

226 31.3 23.7 35.5

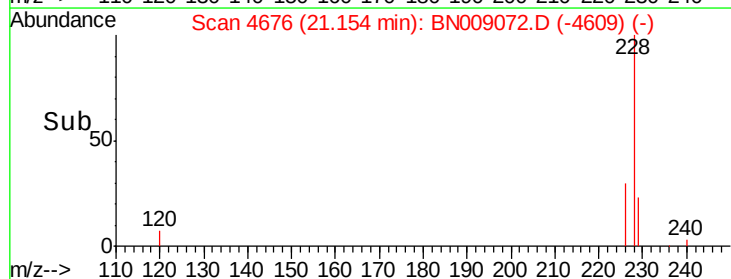
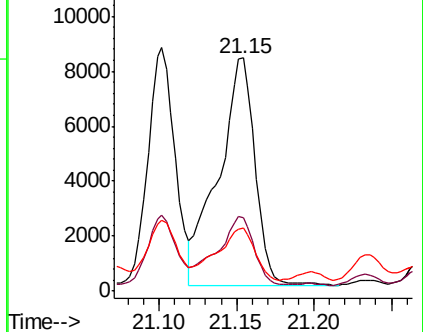
229 27.0 15.4 23.0#

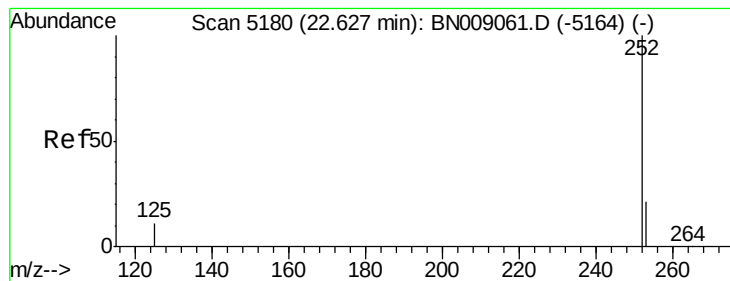


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.528 ng/ul

RT: 22.63 min Scan# 5180

Delta R.T. 0.00 min

Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

Instrument :

BNA_N

ClientSampleId :

C0BW1DL

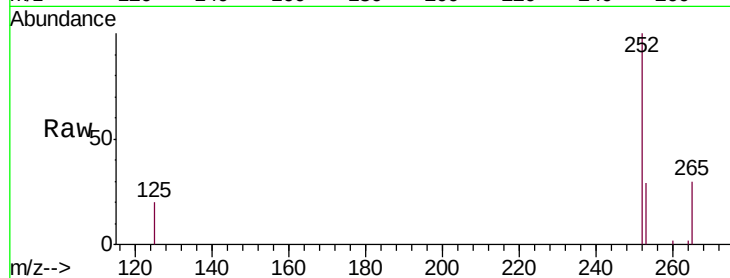
Tgt Ion:252 Resp: 20592

Ion Ratio Lower Upper

252 100

253 28.9 0.0 48.2

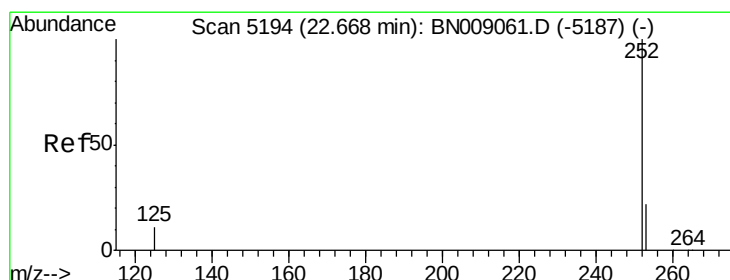
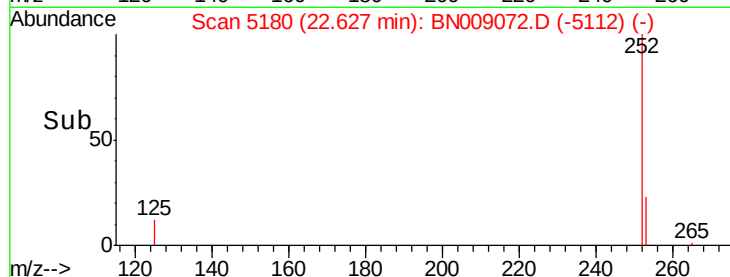
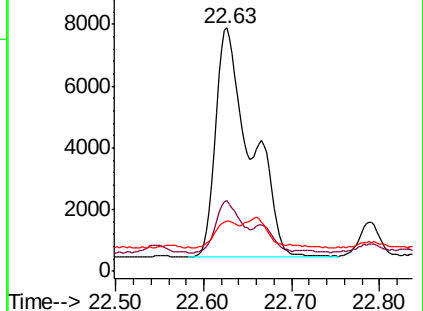
125 20.5 0.0 30.0



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: 0.523 ng/ul

RT: 22.63 min Scan# 5180

Delta R.T. -0.04 min

Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

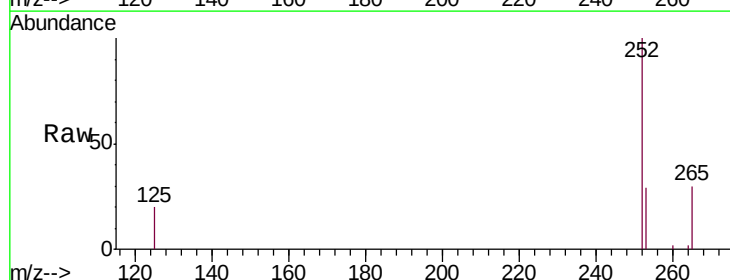
Tgt Ion:252 Resp: 20591

Ion Ratio Lower Upper

252 100

253 28.9 19.4 29.0

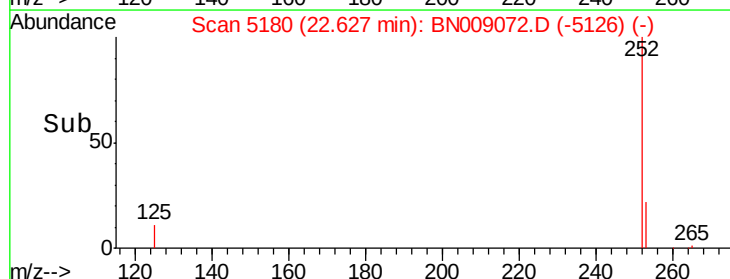
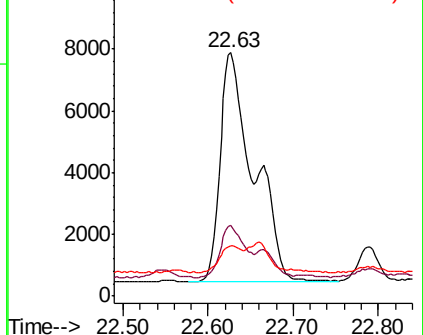
125 20.5 12.4 18.6#

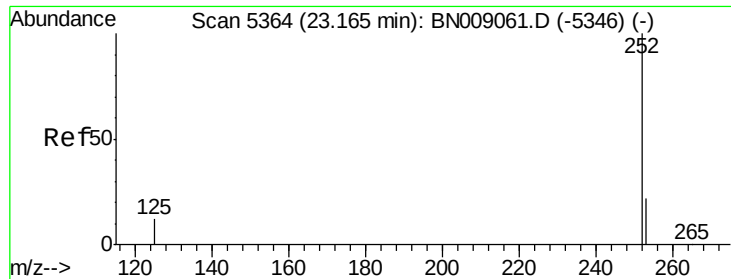


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.350 ng/ul

RT: 23.16 min Scan# 5363

Delta R.T. -0.00 min

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Instrument :

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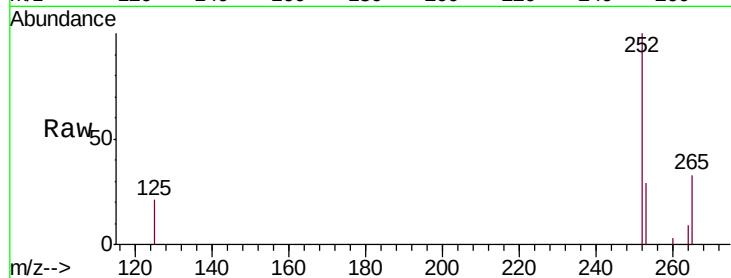
Tgt Ion:252 Resp: 11975

Ion Ratio Lower Upper

252 100

253 29.5 20.2 30.4

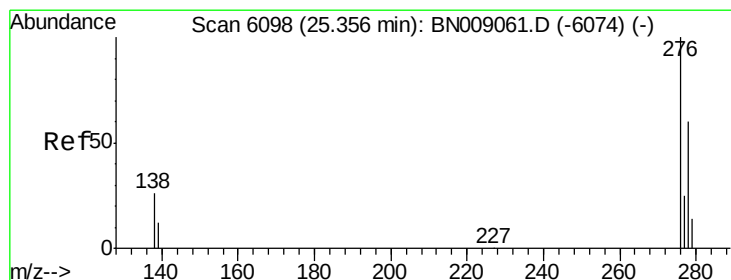
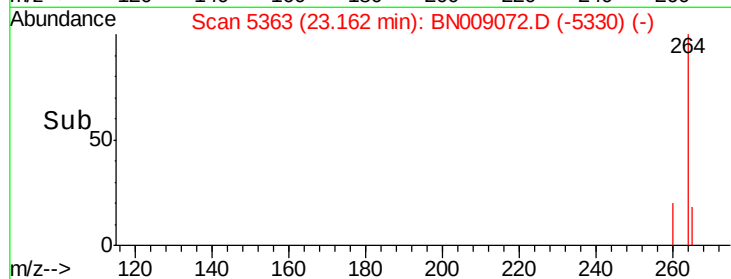
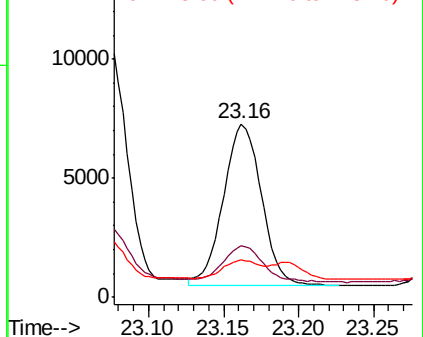
125 21.3 13.2 19.8#



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: 0.221 ng/ul

RT: 25.35 min Scan# 6097

Delta R.T. -0.01 min

Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

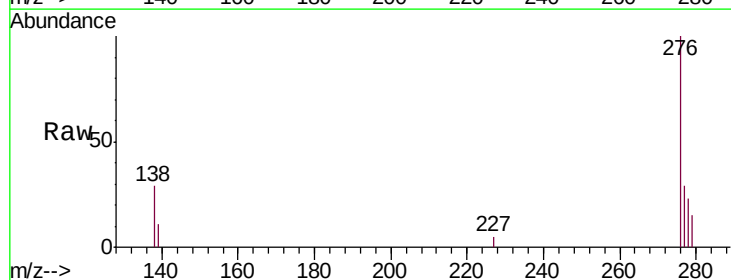
Tgt Ion:276 Resp: 8243

Ion Ratio Lower Upper

276 100

138 24.8 22.4 33.6

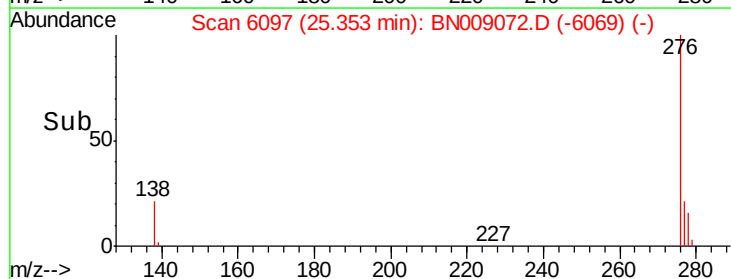
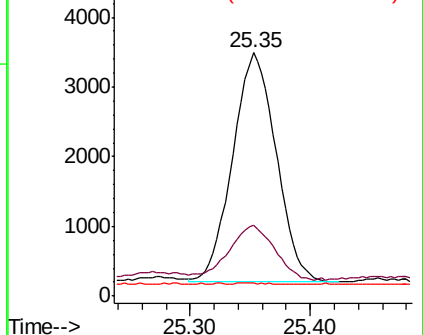
227 0.5 0.2 0.4#

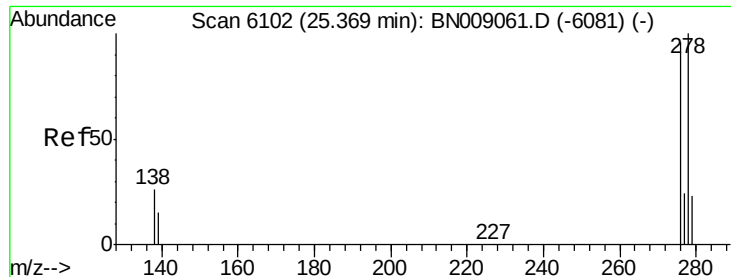


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.072 ng/ul

RT: 25.36 min Scan# 6098

Delta R.T. -0.02 min

Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

Instrument :

BNA_N

ClientSampleId :

C0BW1DL

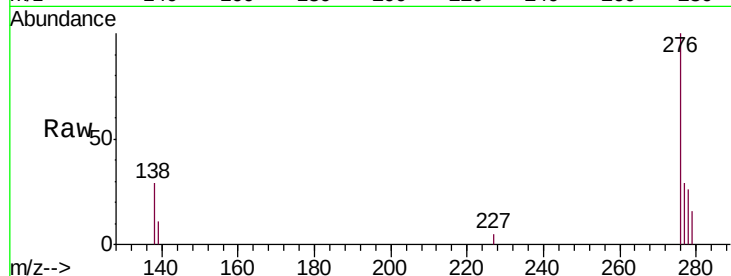
Tgt Ion: 278 Resp: 2132

Ion Ratio Lower Upper

278 100

139 41.6 16.2 24.2#

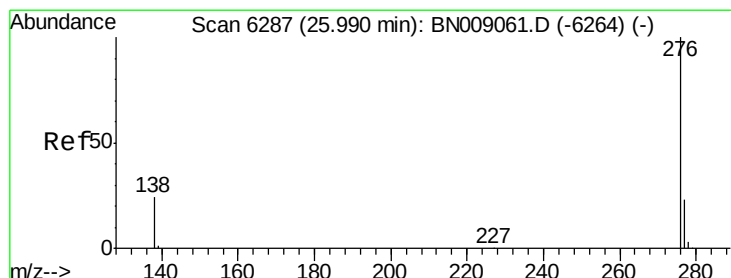
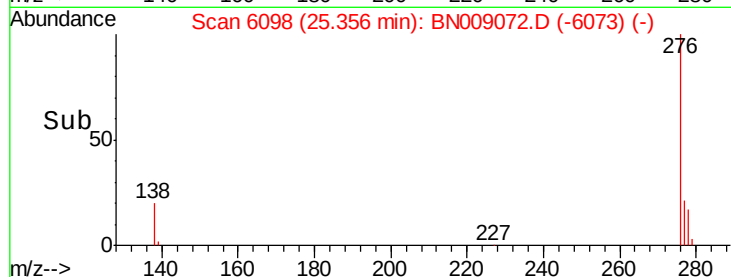
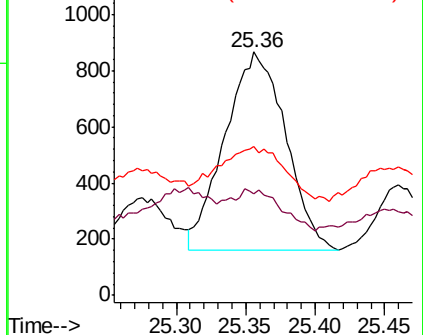
279 61.1 20.3 30.5#



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: 0.413 ng/ul

RT: 25.99 min Scan# 6287

Delta R.T. -0.00 min

Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

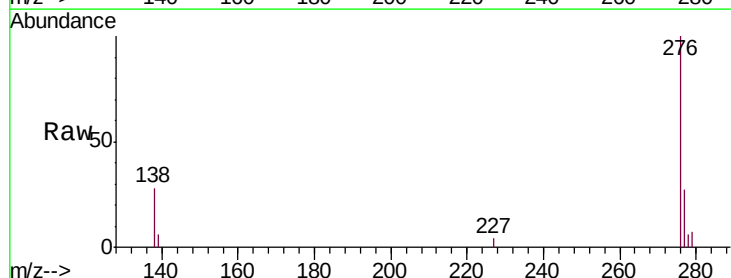
Tgt Ion: 276 Resp: 12945

Ion Ratio Lower Upper

276 100

138 28.3 20.6 30.8

277 27.0 19.6 29.4



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

