

Data File : BN008253.D
Acq On : 18 Oct 2019 18:35
Operator : JU
Sample : K5178-03DL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPD2DL

Quant Time: Oct 18 23:49:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 23:47:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	3533	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	16984	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	10921	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.98	188	23018	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	21728	0.40	ng/ul	0.00
20) Perylene-d12	23.36	264	19051	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	423	0.01	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	1309	0.02	ng/ul	0.00

Target Compounds					Qvalue	
7) Acenaphthylene	13.95	152	2272	0.044	ng/ul#	92
9) Fluorene	15.29	166	1004	0.022	ng/ul#	95
12) Phenanthrene	17.02	178	19801	0.294	ng/ul	100
13) Anthracene	17.11	178	3888	0.066	ng/ul	95
15) Fluoranthene	19.04	202	59413	0.668	ng/ul	97
17) Pyrene	19.41	202	61133	0.707	ng/ul	100
18) Benzo(a)anthracene	21.17	228	33598	0.425	ng/ul	97
19) Chrysene	21.22	228	38524	0.397	ng/ul	98
21) Benzo(b)fluoranthene	22.71	252	59203	0.955	ng/ul	96
22) Benzo(k)fluoranthene	22.71	252	59203	0.843	ng/ul	97
23) Benzo(a)pyrene	23.26	252	29276	0.449	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.52	276	17441	0.227	ng/ul	97
25) Dibenzo(a,h)anthracene	25.53	278	3987	0.066	ng/ul#	81
26) Benzo(g,h,i)perylene	26.18	276	17016	0.241	ng/ul	98

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

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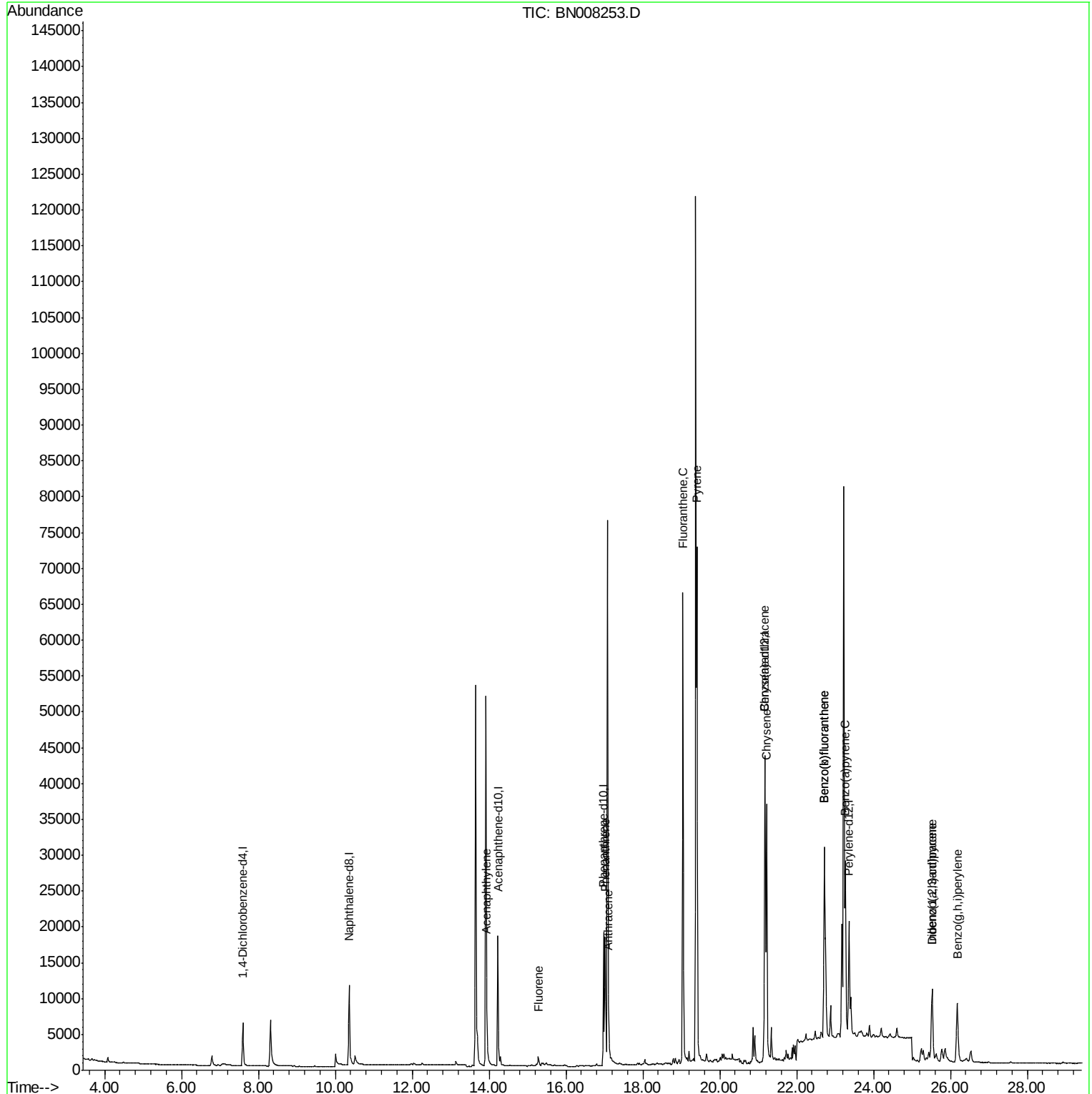
Quant Time: Oct 18 23:49:45 2019

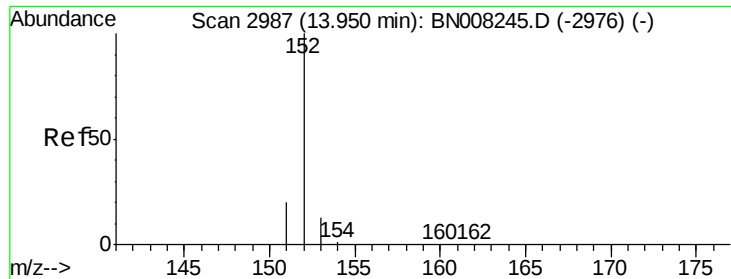
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 18 23:47:17 2019

Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.044 ng/ul

RT: 13.95 min Scan# 2986

Delta R.T. -0.00 min

Lab File: BN008253.D

Acq: 18 Oct 2019 18:35

Instrument :

BNA_N

ClientSampleId :

BEPD2DL

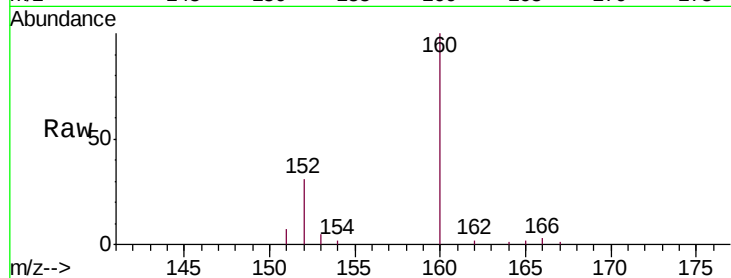
Tgt Ion:152 Resp: 2272

Ion Ratio Lower Upper

152 100

151 23.5 16.2 24.4

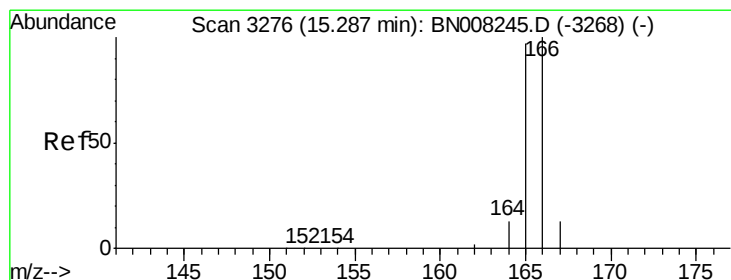
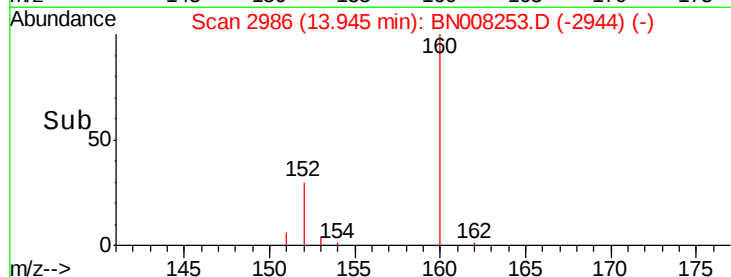
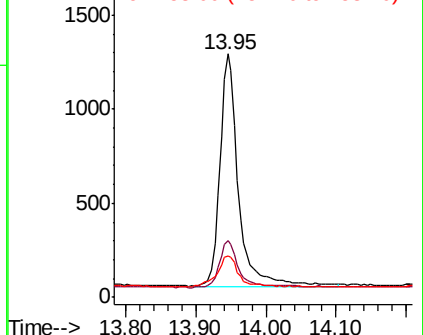
153 17.1 11.0 16.4#



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



#9

Fluorene

Concen: 0.022 ng/ul

RT: 15.29 min Scan# 3276

Delta R.T. 0.00 min

Lab File: BN008253.D

Acq: 18 Oct 2019 18:35

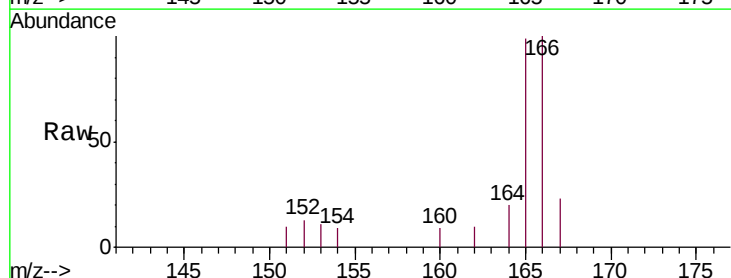
Tgt Ion:166 Resp: 1004

Ion Ratio Lower Upper

166 100

165 98.9 76.6 115.0

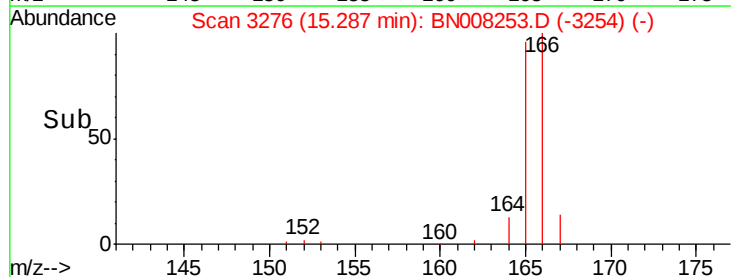
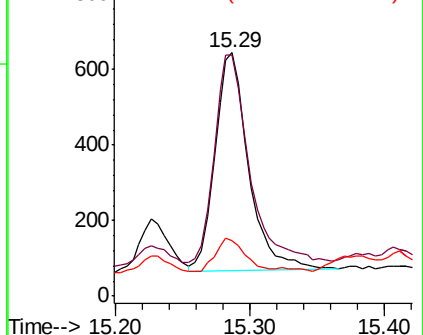
167 22.9 11.7 17.5#

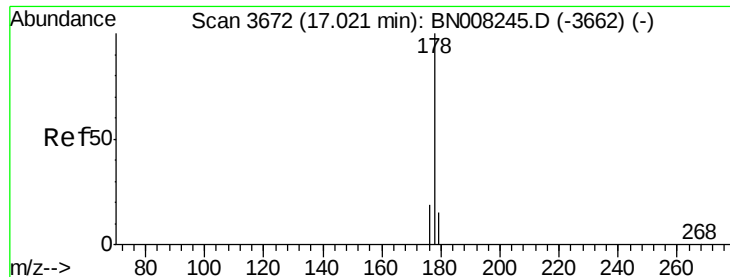


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.294 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN008253.D

Acq: 18 Oct 2019 18:35

Instrument :

BNA_N

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BEPD2DL

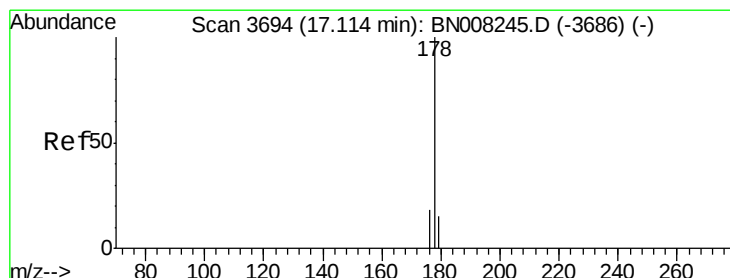
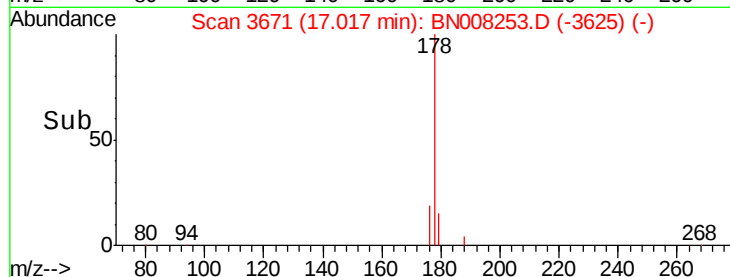
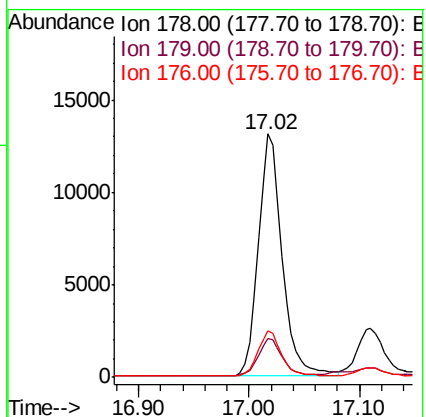
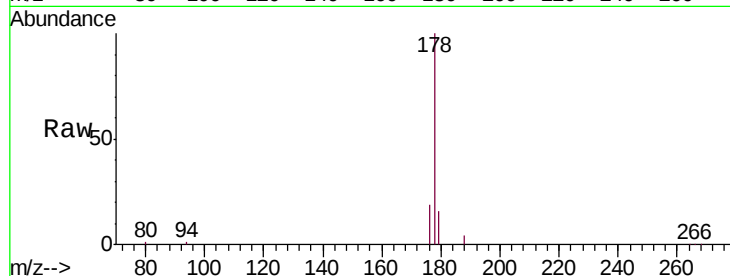
Tgt Ion:178 Resp: 19801

Ion Ratio Lower Upper

178 100

179 15.8 12.8 19.2

176 19.1 15.4 23.2



#13

Anthracene

Concen: 0.066 ng/ul

RT: 17.11 min Scan# 3693

Delta R.T. -0.00 min

Lab File: BN008253.D

Acq: 18 Oct 2019 18:35

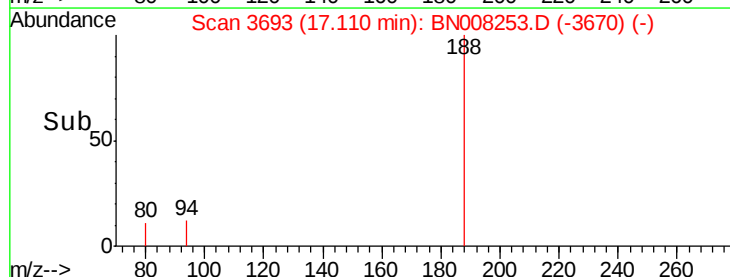
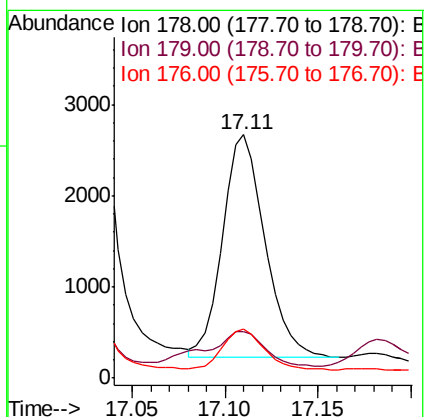
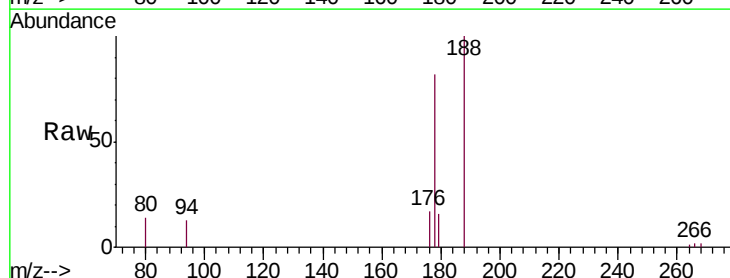
Tgt Ion:178 Resp: 3888

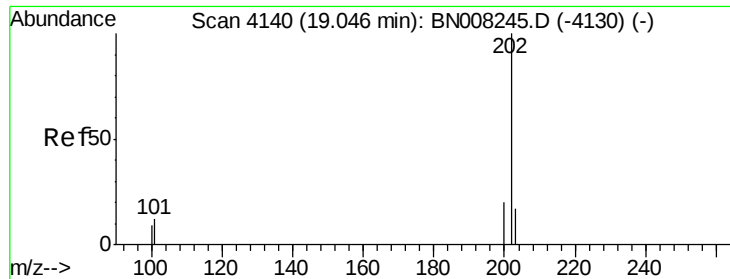
Ion Ratio Lower Upper

178 100

179 19.1 13.0 19.6

176 20.2 15.0 22.6





#15

Fluoranthene

Concen: 0.668 ng/ul

RT: 19.04 min Scan# 4139

Delta R.T. -0.00 min

Lab File: BN008253.D

Acq: 18 Oct 2019 18:35

Instrument :

BNA_N

ClientSampleId :

BEPD2DL

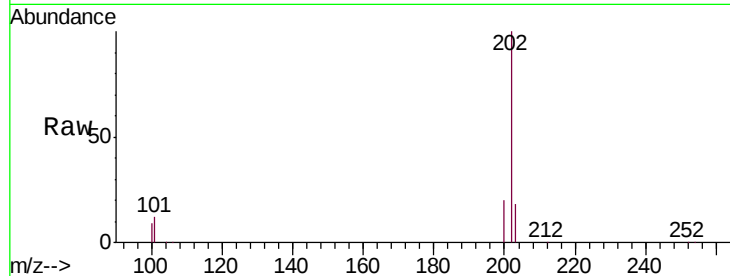
Tgt Ion:202 Resp: 59413

Ion Ratio Lower Upper

202 100

101 12.3 0.0 31.2

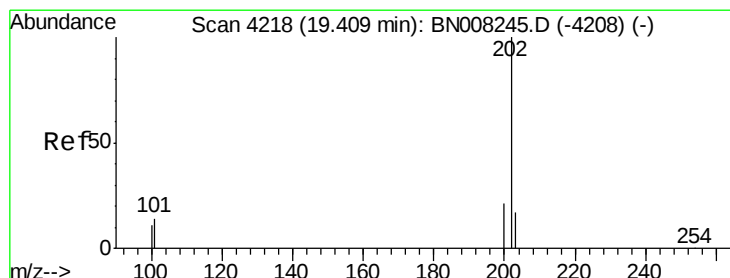
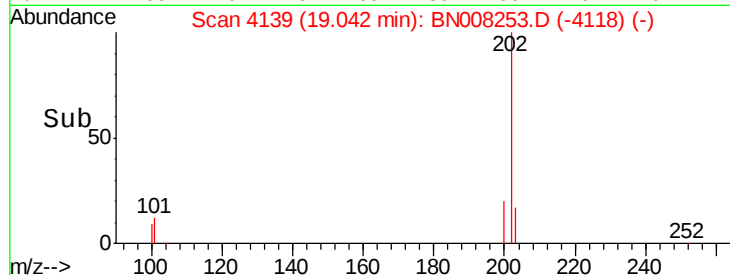
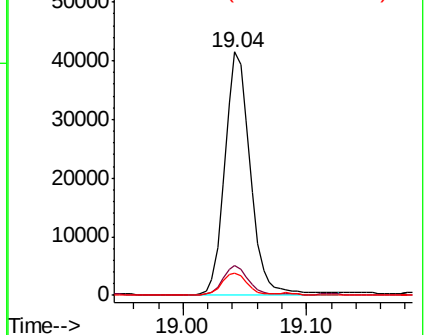
100 9.4 0.0 28.5



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: 0.707 ng/ul

RT: 19.41 min Scan# 4218

Delta R.T. 0.00 min

Lab File: BN008253.D

Acq: 18 Oct 2019 18:35

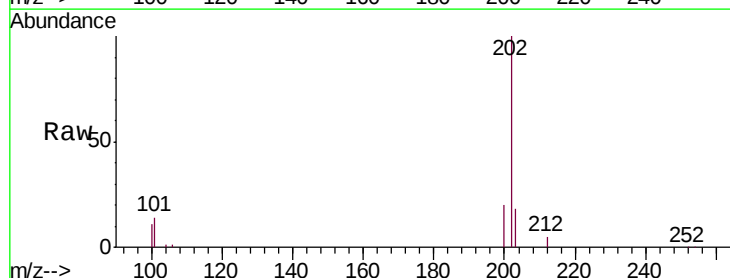
Tgt Ion:202 Resp: 61133

Ion Ratio Lower Upper

202 100

101 13.7 10.9 16.3

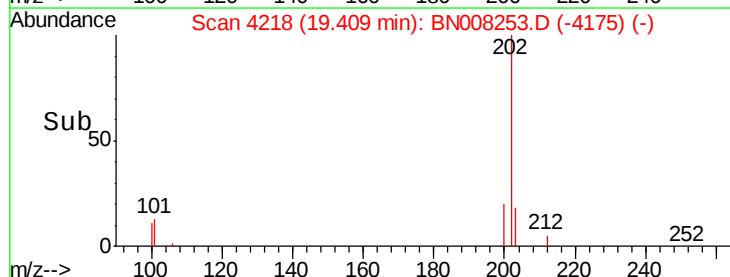
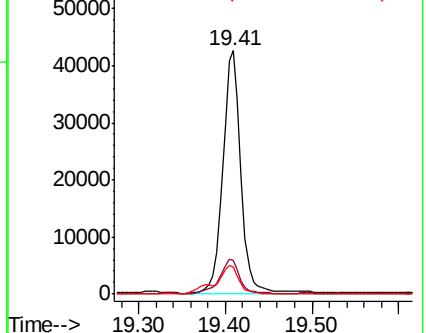
100 11.0 8.7 13.1

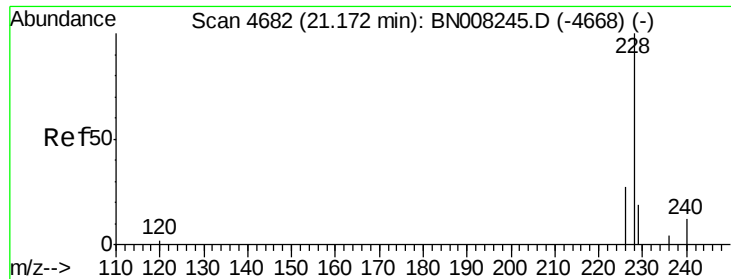


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

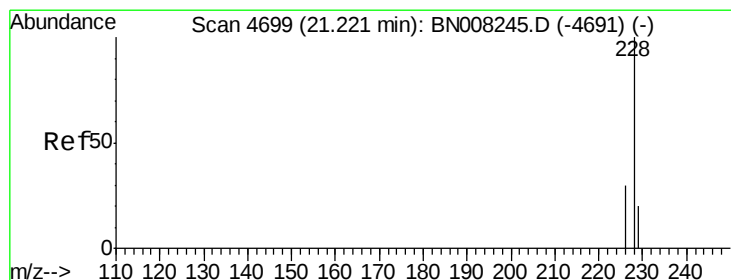
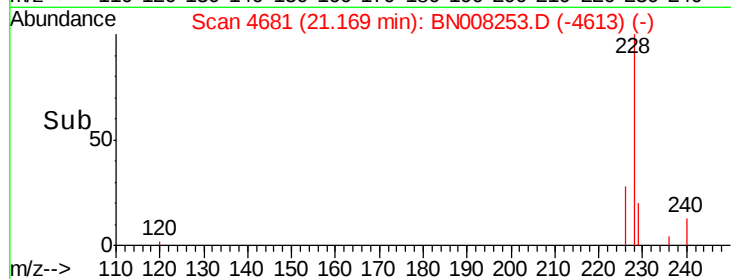
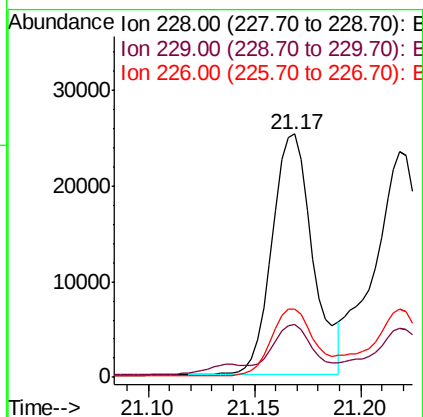
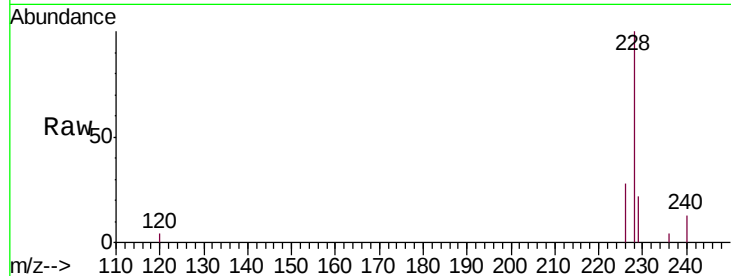




#18
Benzo(a)anthracene
Concen: 0.425 ng/ul
RT: 21.17 min Scan# 4681
Delta R.T. -0.00 min
Lab File: BN008253.D
Acq: 18 Oct 2019 18:35

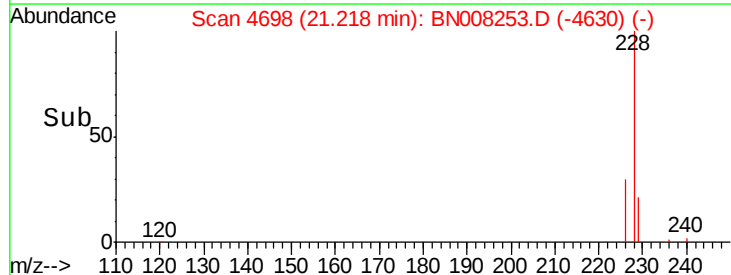
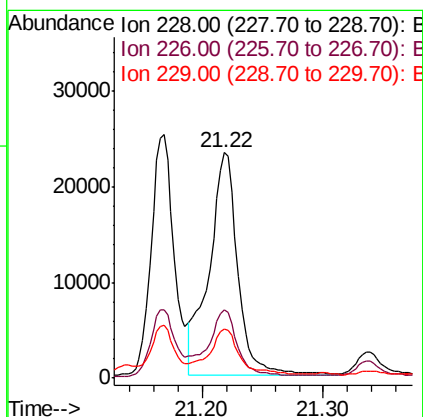
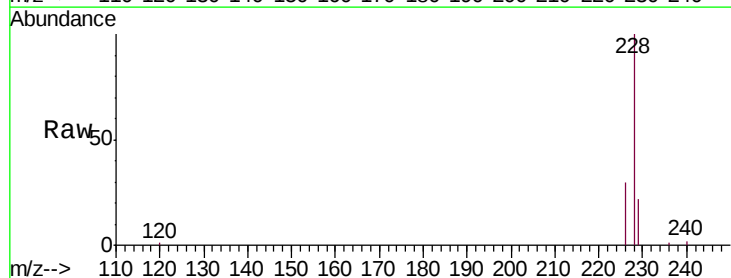
Instrument :
BNA_N
ClientSampleId :
BEPD2DL

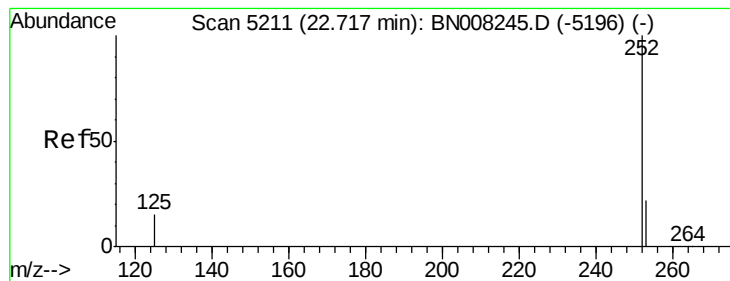
Tgt Ion:228 Resp: 33598
Ion Ratio Lower Upper
228 100
229 21.6 16.2 24.2
226 28.3 21.4 32.0



#19
Chrysene
Concen: 0.397 ng/ul
RT: 21.22 min Scan# 4698
Delta R.T. -0.00 min
Lab File: BN008253.D
Acq: 18 Oct 2019 18:35

Tgt Ion:228 Resp: 38524
Ion Ratio Lower Upper
228 100
226 30.4 24.1 36.1
229 22.0 16.2 24.2





#21

Benzo(b)fluoranthene

Concen: 0.955 ng/ul

RT: 22.71 min Scan# 5210

Delta R.T. -0.00 min

Lab File: BN008253.D

Acq: 18 Oct 2019 18:35

Instrument :

BNA_N

ClientSampleId :

BEPD2DL

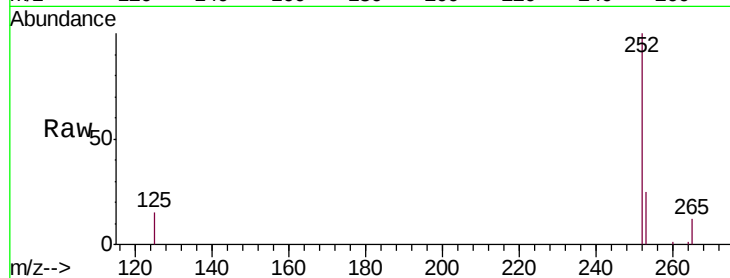
Tgt Ion:252 Resp: 59203

Ion Ratio Lower Upper

252 100

253 24.8 0.0 53.4

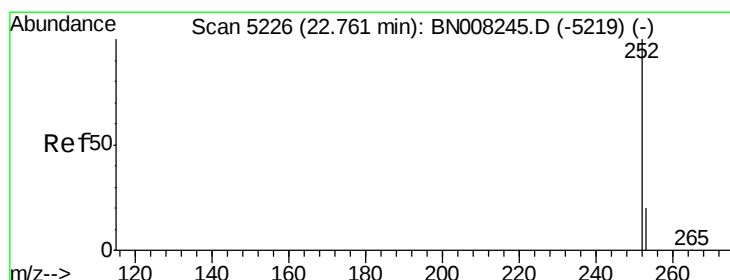
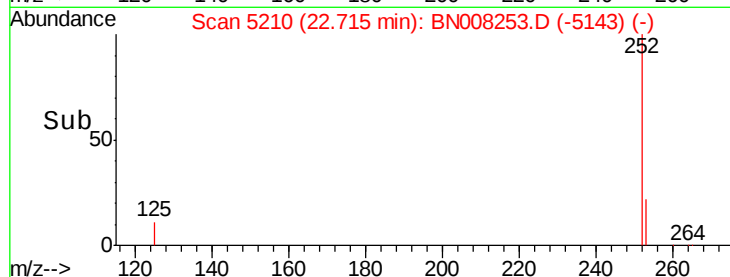
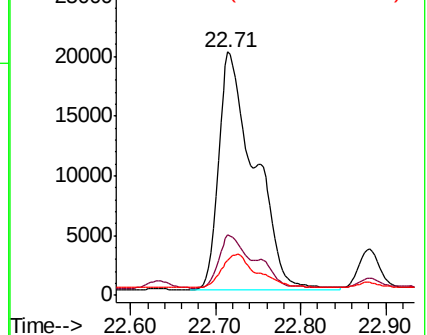
125 14.6 0.0 32.4



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: 0.843 ng/ul

RT: 22.71 min Scan# 5210

Delta R.T. -0.05 min

Lab File: BN008253.D

Acq: 18 Oct 2019 18:35

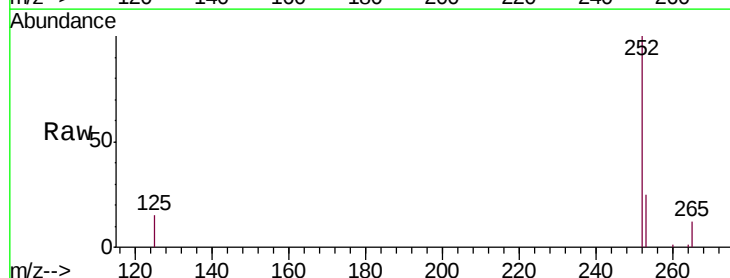
Tgt Ion:252 Resp: 59203

Ion Ratio Lower Upper

252 100

253 24.8 21.3 31.9

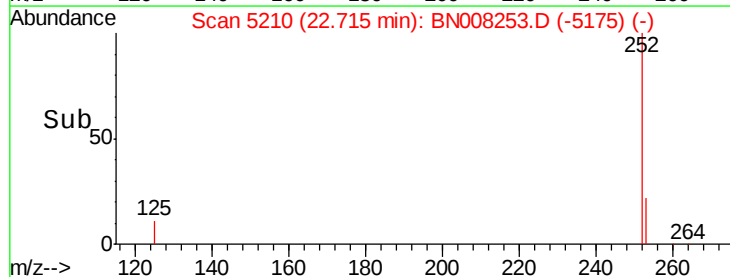
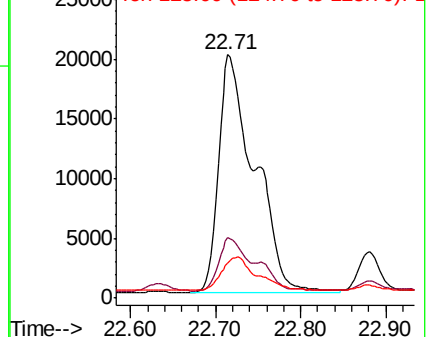
125 14.6 12.3 18.5

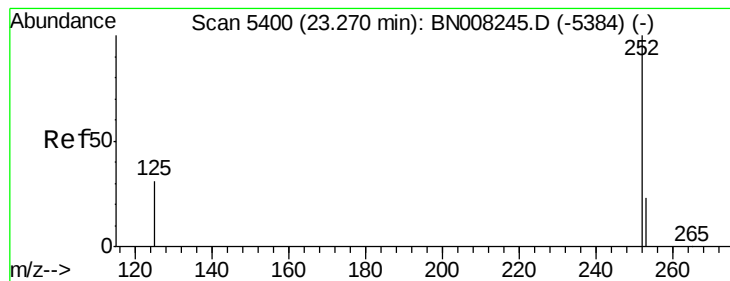


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.449 ng/u1

RT: 23.26 min Scan# 5398

Delta R.T. -0.01 min

Lab File: BN008253.D

Acq: 18 Oct 2019 18:35

Instrument :

BNA_N

ClientSampleId :

BEPD2DL

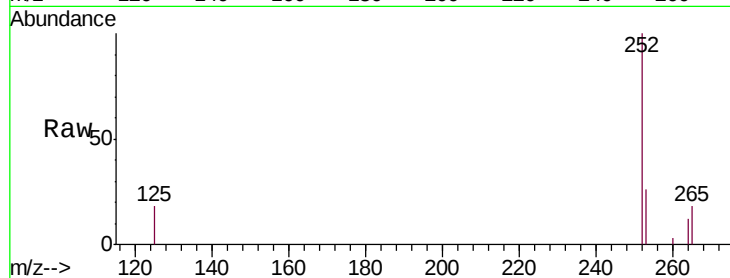
Tgt Ion:252 Resp: 29276

Ion Ratio Lower Upper

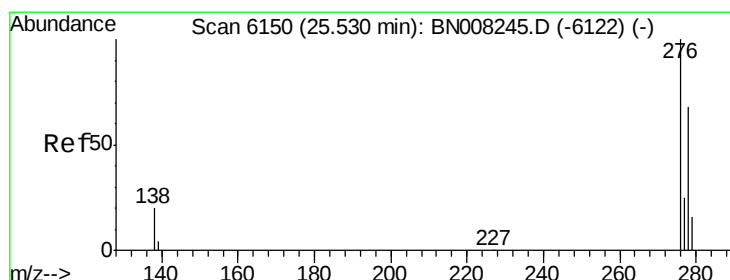
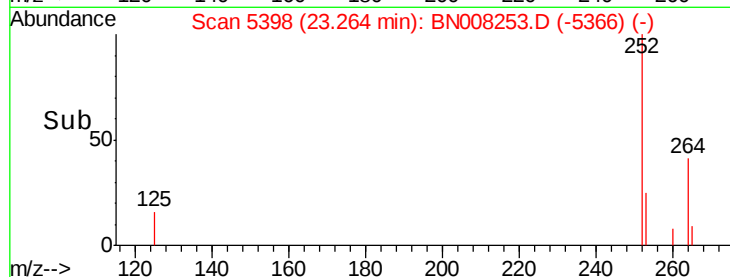
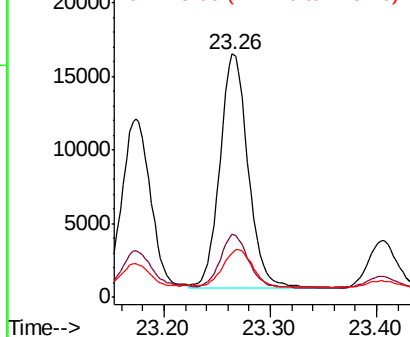
252 100

253 25.8 22.8 34.2

125 18.2 18.4 27.6#



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: 0.227 ng/u1

RT: 25.52 min Scan# 6147

Delta R.T. -0.01 min

Lab File: BN008253.D

Acq: 18 Oct 2019 18:35

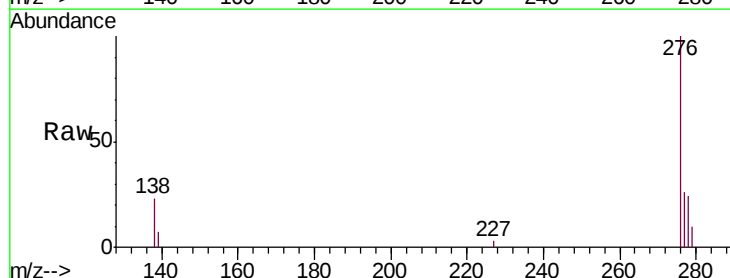
Tgt Ion:276 Resp: 17441

Ion Ratio Lower Upper

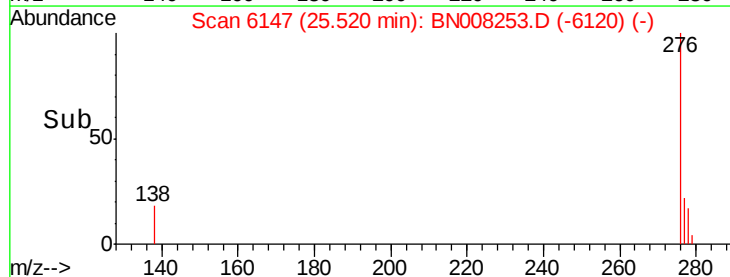
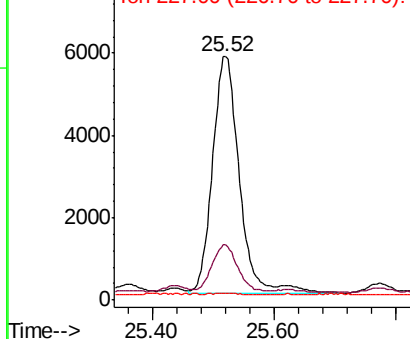
276 100

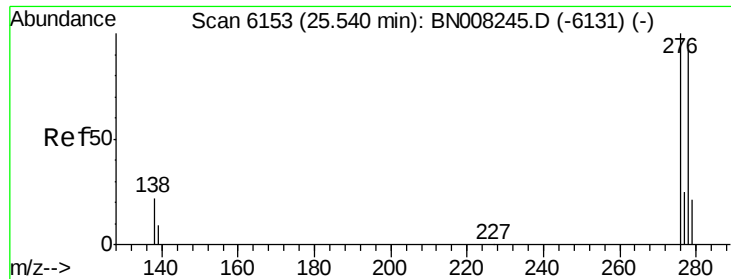
138 18.5 16.1 24.1

227 0.2 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: 0.066 ng/ul

RT: 25.53 min Scan# 6149

Delta R.T. -0.01 min

Lab File: BN008253.D

Acq: 18 Oct 2019 18:35

Instrument :

BNA_N

ClientSampleId :

BEPD2DL

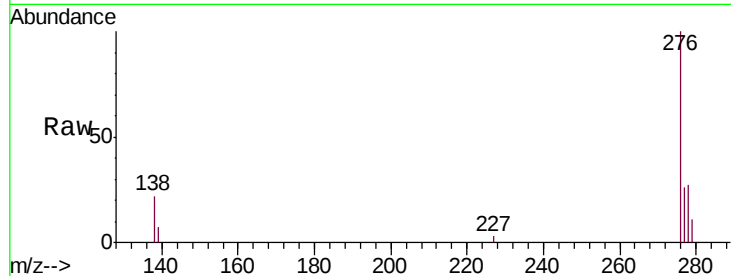
Tgt Ion: 278 Resp: 3987

Ion Ratio Lower Upper

278 100

139 26.1 15.0 22.6#

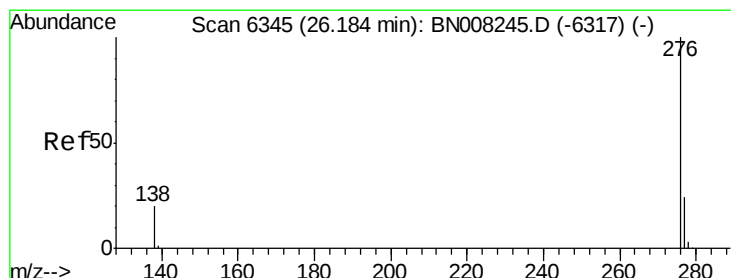
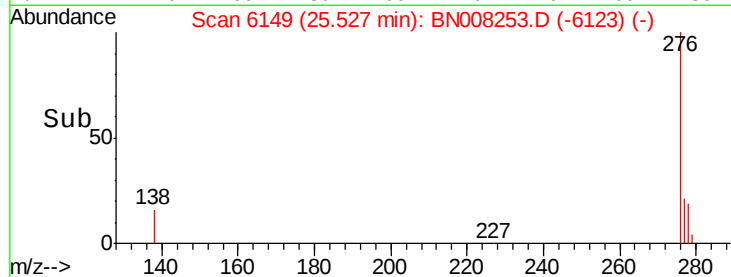
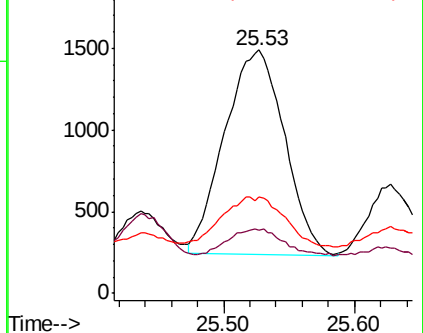
279 39.4 22.4 33.6#



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: 0.241 ng/ul

RT: 26.18 min Scan# 6343

Delta R.T. -0.01 min

Lab File: BN008253.D

Acq: 18 Oct 2019 18:35

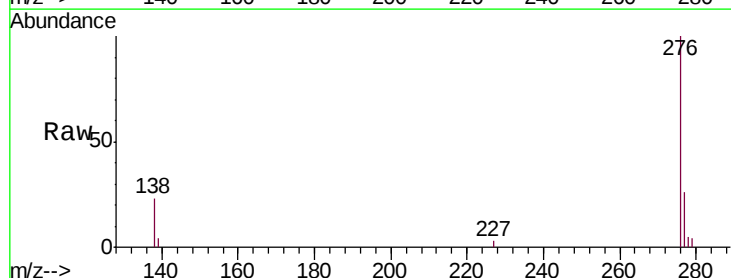
Tgt Ion: 276 Resp: 17016

Ion Ratio Lower Upper

276 100

138 22.9 17.0 25.4

277 25.8 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

