

Data File : BN008255.D
Acq On : 18 Oct 2019 19:47
Operator : JU
Sample : K5178-22DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPJ4DL

Quant Time: Oct 18 23:50:19 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	3038	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	14703	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	9502	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.98	188	19578	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	18640	0.40	ng/ul	0.00
20) Perylene-d12	23.36	264	16725	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	306	0.01	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	924	0.01	ng/ul	0.00

Target Compounds					Qvalue	
7) Acenaphthylene	13.95	152	1380	0.030	ng/ul#	86
9) Fluorene	15.29	166	837	0.021	ng/ul#	93
12) Phenanthrene	17.02	178	20575	0.359	ng/ul	100
13) Anthracene	17.11	178	3647	0.072	ng/ul	95
15) Fluoranthene	19.04	202	46379	0.613	ng/ul	97
17) Pyrene	19.41	202	52214	0.704	ng/ul	100
18) Benzo(a)anthracene	21.17	228	27151	0.401	ng/ul	98
19) Chrysene	21.22	228	28833	0.347	ng/ul	98
21) Benzo(b)fluoranthene	22.72	252	42088	0.773	ng/ul	97
22) Benzo(k)fluoranthene	22.72	252	42088	0.682	ng/ul	96
23) Benzo(a)pyrene	23.26	252	22084	0.385	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.52	276	11821	0.175	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.52	278	2846	0.053	ng/ul#	73
26) Benzo(g,h,i)perylene	26.17	276	11553	0.187	ng/ul	97

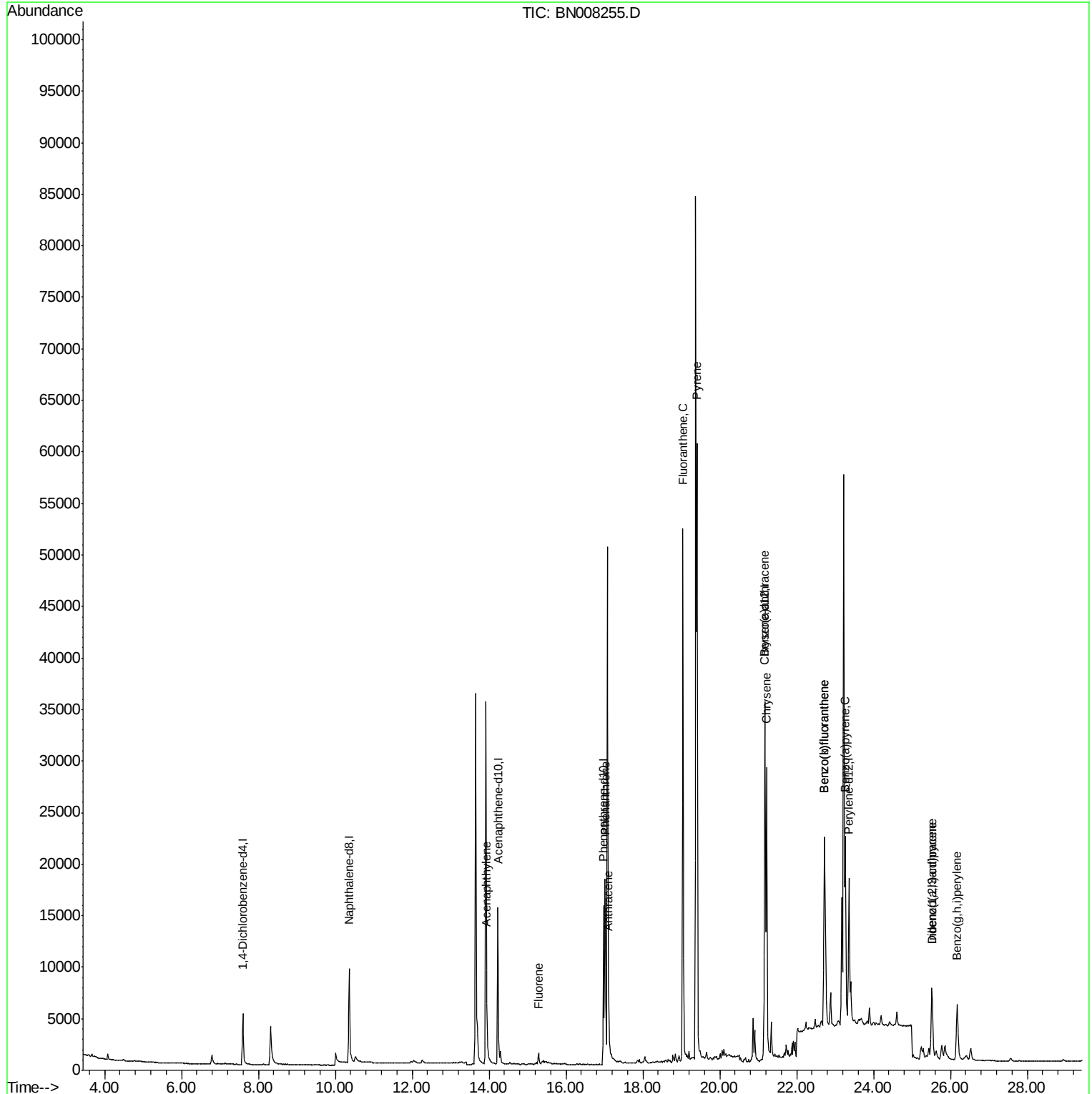
(#) = qualifier out of range (m) = manual integration (+) = signals summed

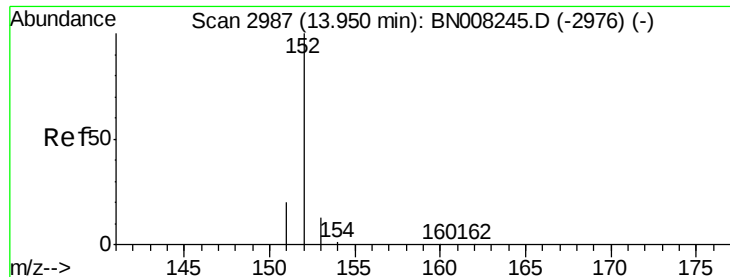
Data File : BN008255.D

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#7

Acenaphthylene

Concen: 0.030 ng/ul

RT: 13.95 min Scan# 2986

Delta R.T. -0.00 min

Lab File: BN008255.D

Acq: 18 Oct 2019 19:47

Instrument :

BNA_N

ClientSampleId :

BEPJ4DL

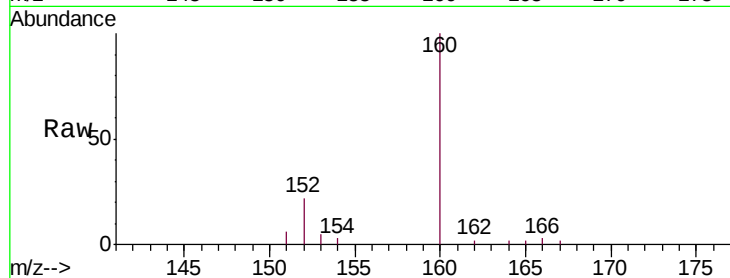
Tgt Ion:152 Resp: 1380

Ion Ratio Lower Upper

152 100

151 25.8 16.2 24.4#

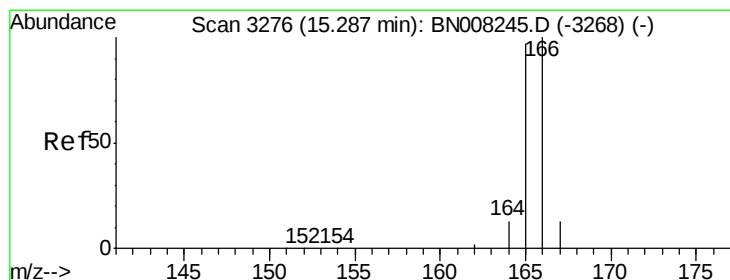
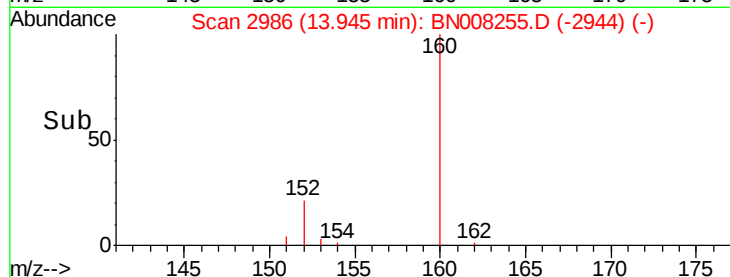
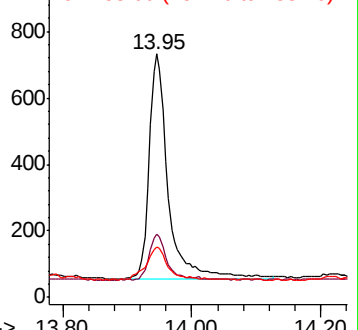
153 20.6 11.0 16.4#



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: 0.021 ng/ul

RT: 15.29 min Scan# 3276

Delta R.T. 0.00 min

Lab File: BN008255.D

Acq: 18 Oct 2019 19:47

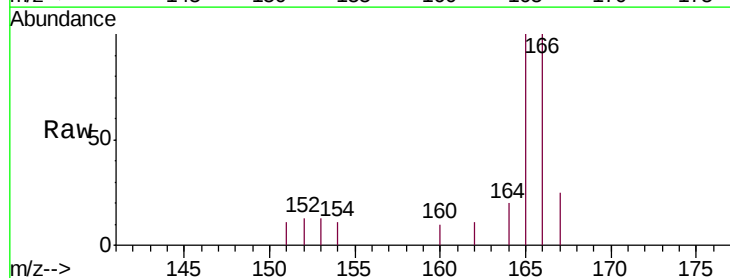
Tgt Ion:166 Resp: 837

Ion Ratio Lower Upper

166 100

165 99.8 76.6 115.0

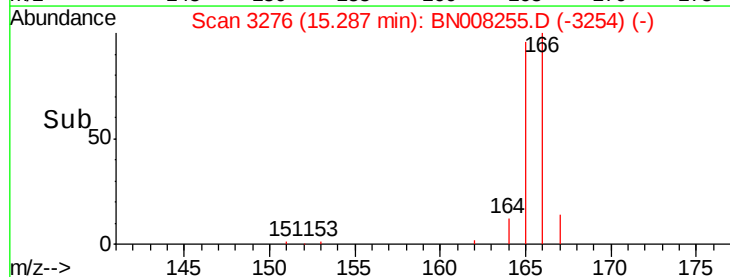
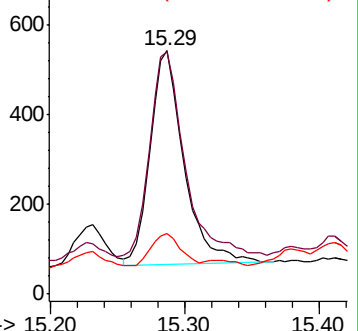
167 24.9 11.7 17.5#

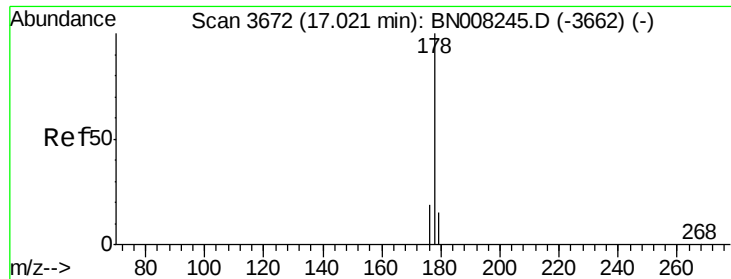


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.359 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN008255.D

Acq: 18 Oct 2019 19:47

Instrument :

BNA_N

ClientSampleId :

BEPJ4DL

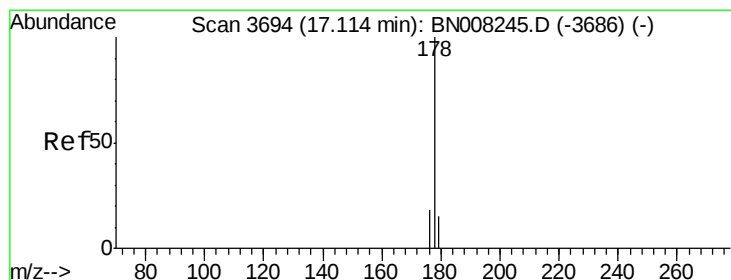
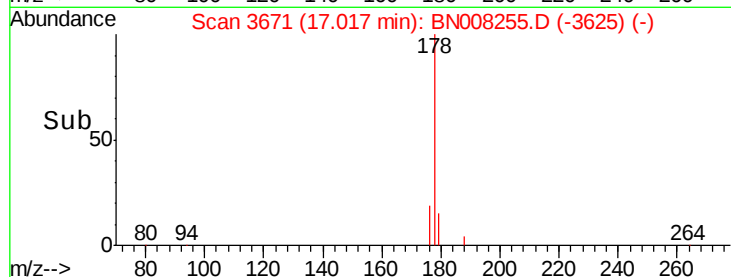
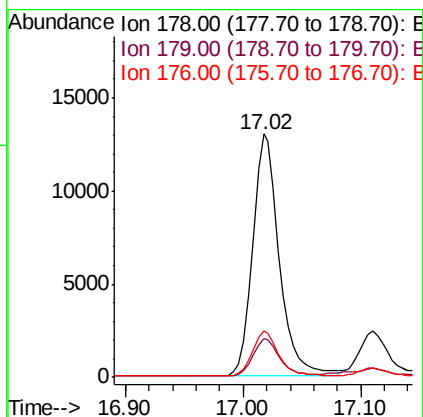
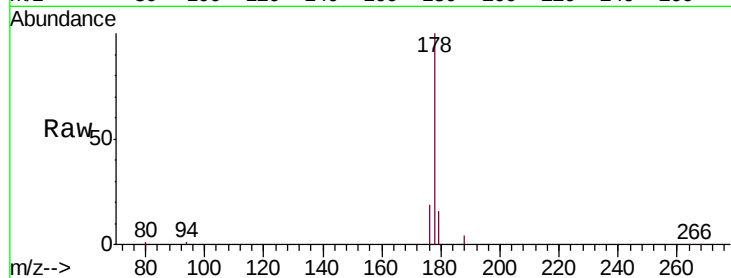
Tgt Ion:178 Resp: 20575

Ion Ratio Lower Upper

178 100

179 15.8 12.8 19.2

176 19.1 15.4 23.2



#13

Anthracene

Concen: 0.072 ng/ul

RT: 17.11 min Scan# 3693

Delta R.T. -0.00 min

Lab File: BN008255.D

Acq: 18 Oct 2019 19:47

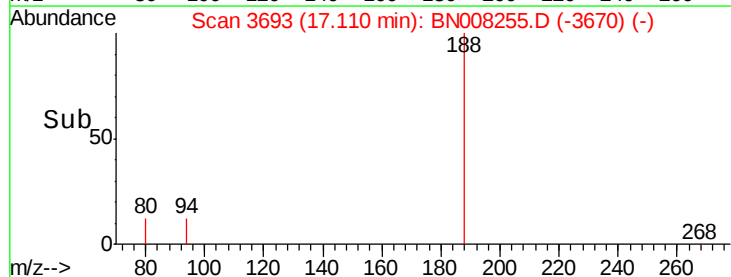
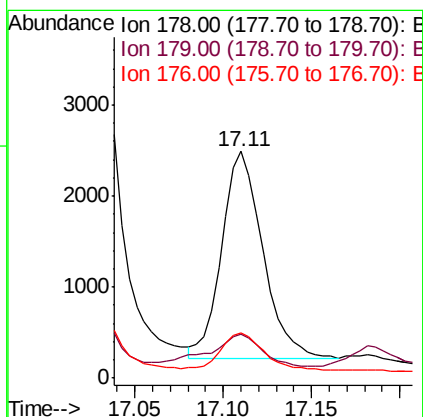
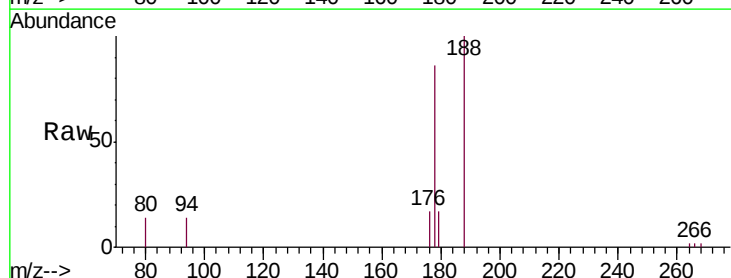
Tgt Ion:178 Resp: 3647

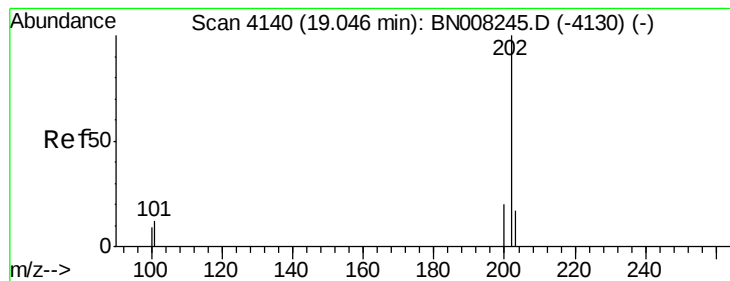
Ion Ratio Lower Upper

178 100

179 19.4 13.0 19.6

176 19.7 15.0 22.6





#15

Fluoranthene

Concen: 0.613 ng/ul

RT: 19.04 min Scan# 4139

Delta R.T. -0.00 min

Lab File: BN008255.D

Acq: 18 Oct 2019 19:47

Instrument :

BNA_N

ClientSampleId :

BEPJ4DL

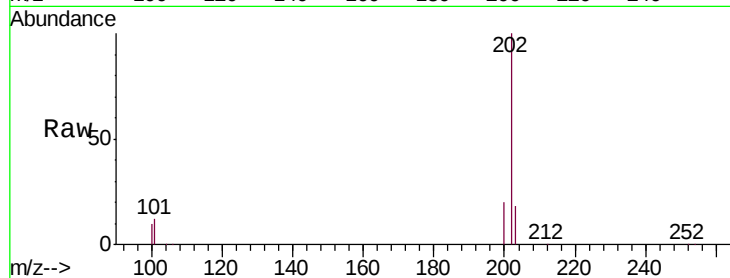
Tgt Ion:202 Resp: 46379

Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.2

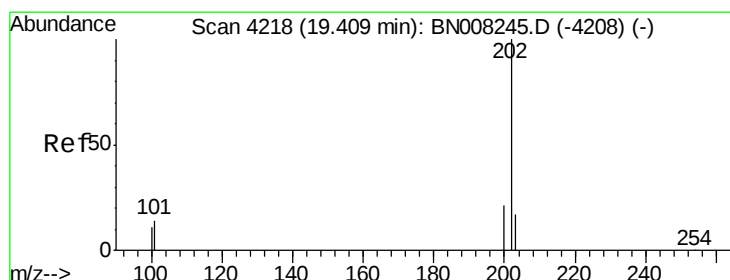
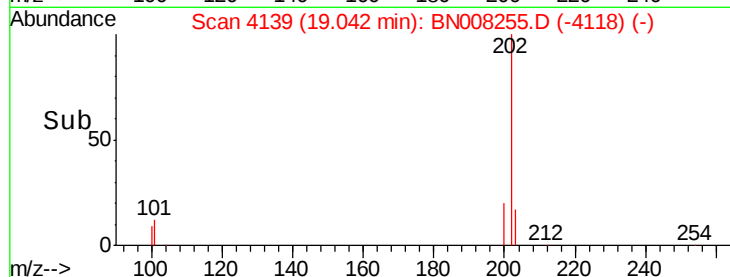
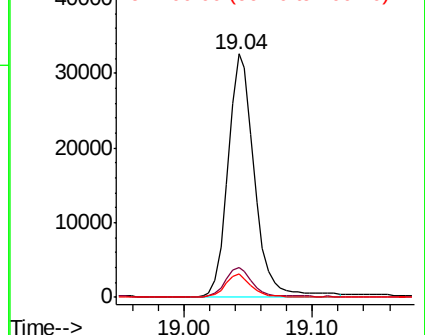
100 9.6 0.0 28.5



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: 0.704 ng/ul

RT: 19.41 min Scan# 4218

Delta R.T. 0.00 min

Lab File: BN008255.D

Acq: 18 Oct 2019 19:47

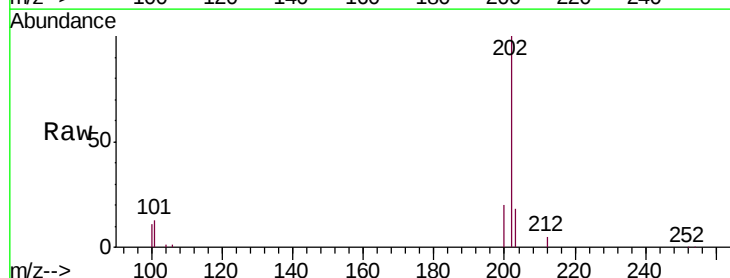
Tgt Ion:202 Resp: 52214

Ion Ratio Lower Upper

202 100

101 13.5 10.9 16.3

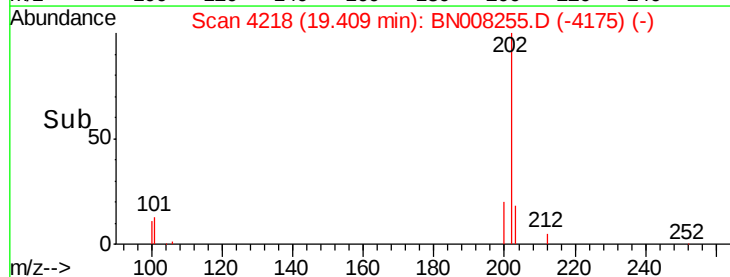
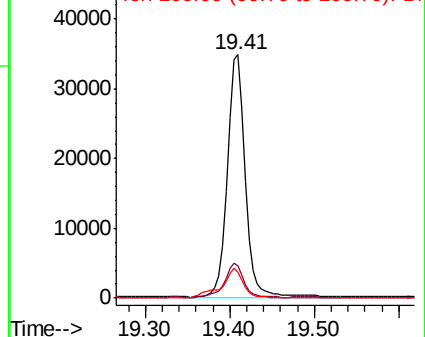
100 10.8 8.7 13.1

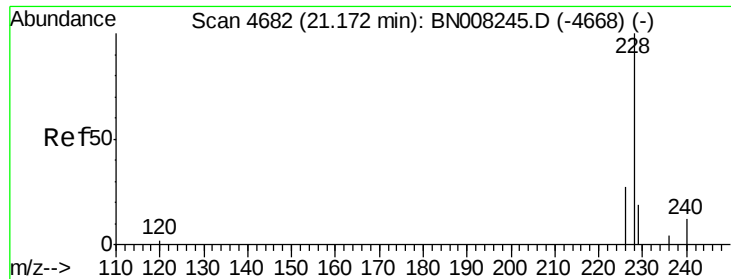


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.401 ng/ul

RT: 21.17 min Scan# 4680

Delta R.T. -0.01 min

Lab File: BN008255.D

Acq: 18 Oct 2019 19:47

Instrument :

BNA_N

ClientSampleId :

BEPJ4DL

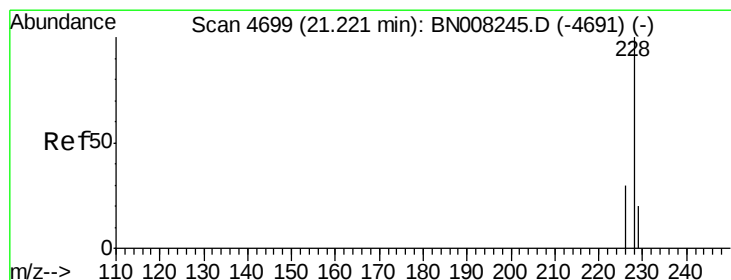
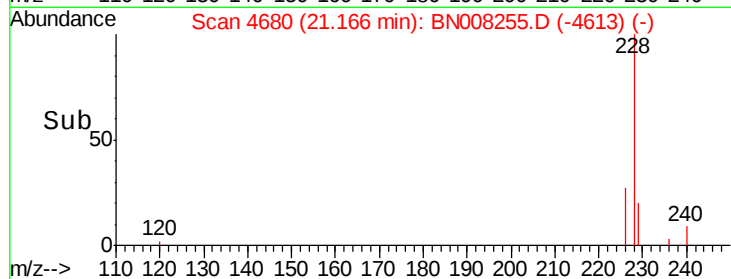
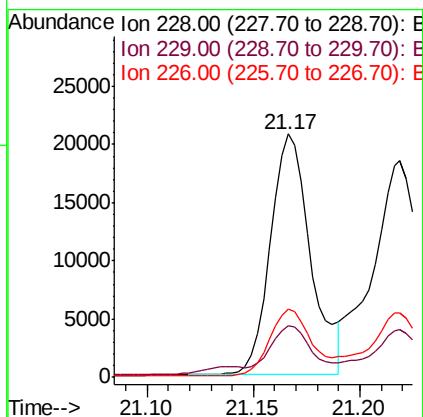
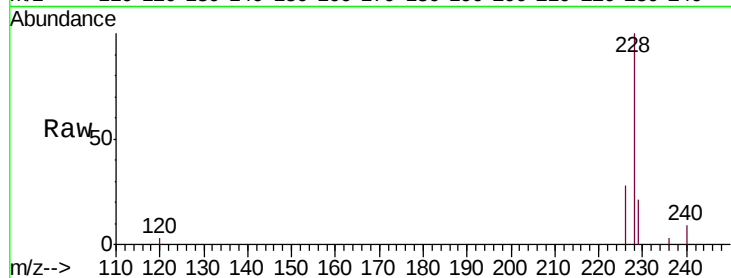
Tgt Ion:228 Resp: 27151

Ion Ratio Lower Upper

228 100

229 21.2 16.2 24.2

226 27.9 21.4 32.0



#19

Chrysene

Concen: 0.347 ng/ul

RT: 21.22 min Scan# 4698

Delta R.T. -0.00 min

Lab File: BN008255.D

Acq: 18 Oct 2019 19:47

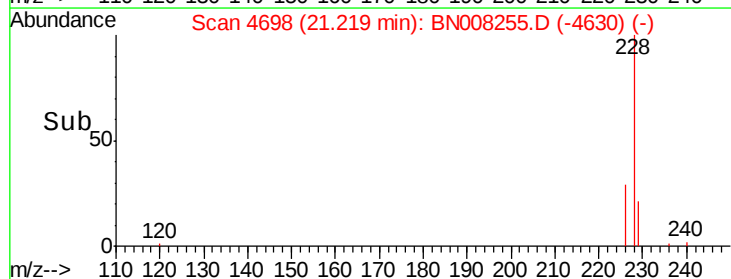
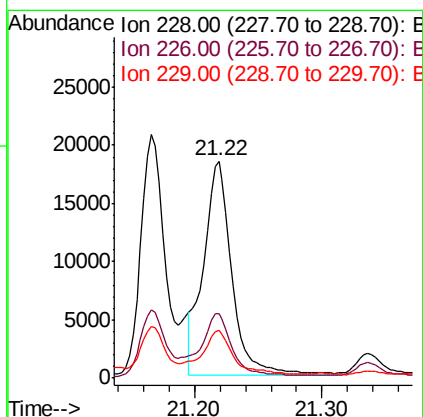
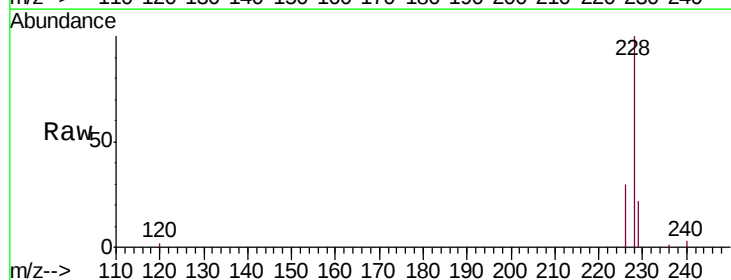
Tgt Ion:228 Resp: 28833

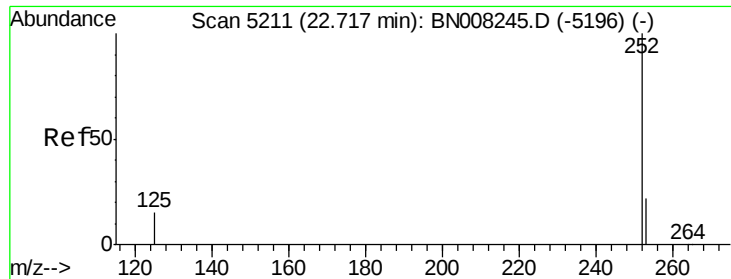
Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

229 21.9 16.2 24.2





#21

Benzo(b)fluoranthene

Concen: 0.773 ng/u1

RT: 22.72 min Scan# 5211

Delta R.T. 0.00 min

Lab File: BN008255.D

Acq: 18 Oct 2019 19:47

Instrument :

BNA_N

ClientSampleId :

BEPJ4DL

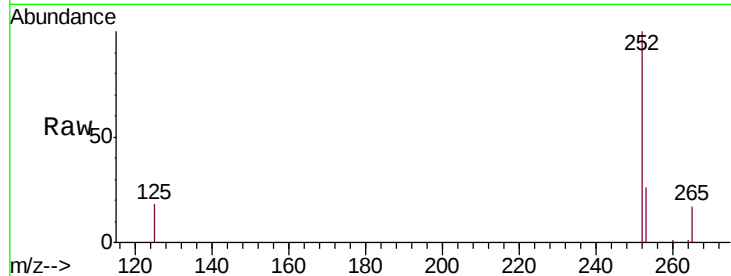
Tgt Ion:252 Resp: 42088

Ion Ratio Lower Upper

252 100

253 25.6 0.0 53.4

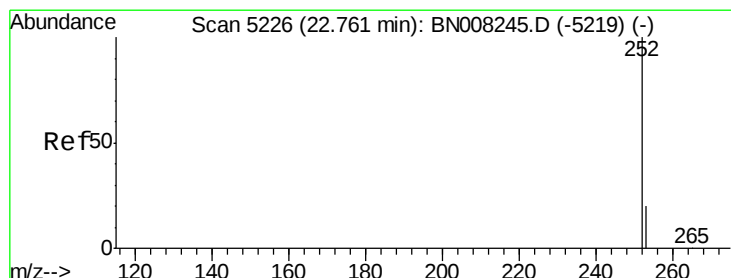
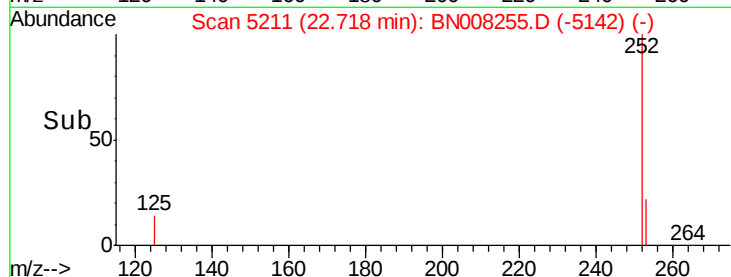
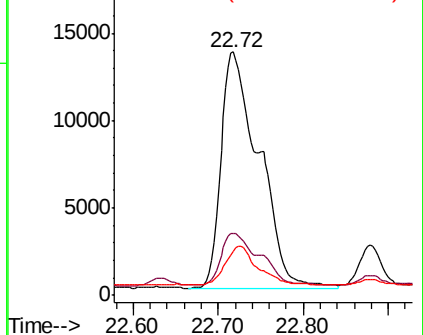
125 18.0 0.0 32.4



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: 0.682 ng/u1

RT: 22.72 min Scan# 5211

Delta R.T. -0.04 min

Lab File: BN008255.D

Acq: 18 Oct 2019 19:47

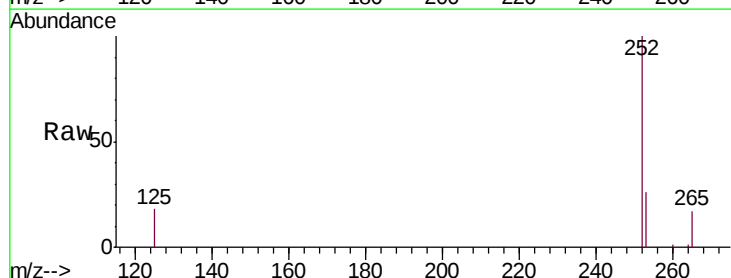
Tgt Ion:252 Resp: 42088

Ion Ratio Lower Upper

252 100

253 25.6 21.3 31.9

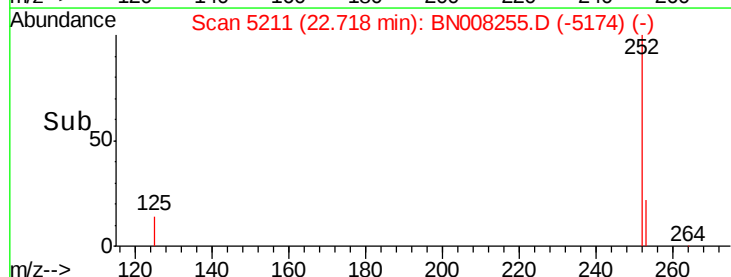
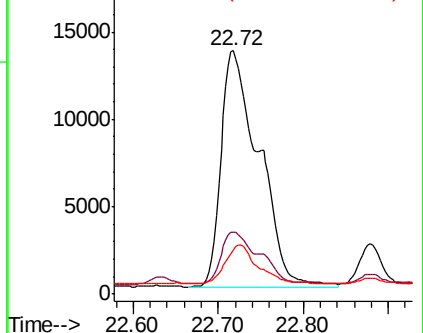
125 18.0 12.3 18.5

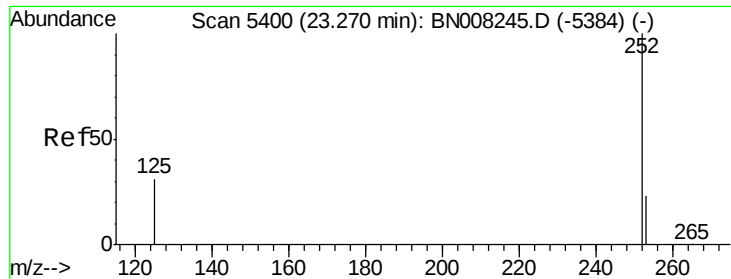


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.385 ng/u1

RT: 23.26 min Scan# 5398

Delta R.T. -0.01 min

Lab File: BN008255.D

Acq: 18 Oct 2019 19:47

Instrument :

BNA_N

ClientSampleId :

BEPJ4DL

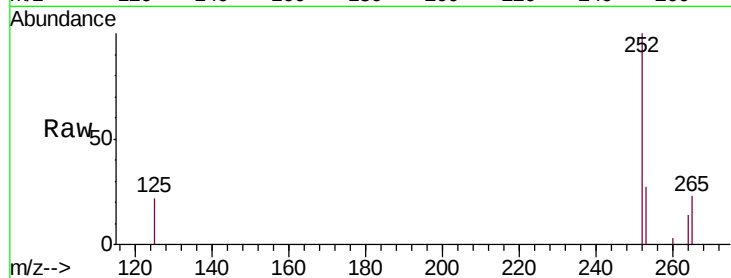
Tgt Ion:252 Resp: 22084

Ion Ratio Lower Upper

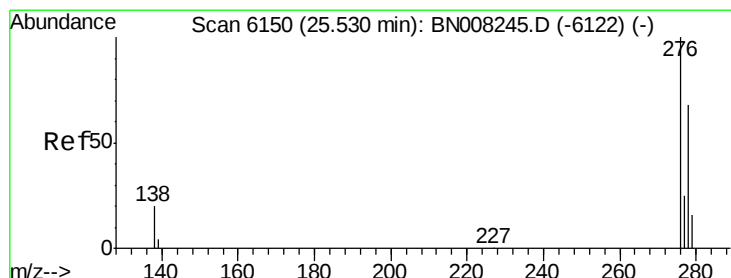
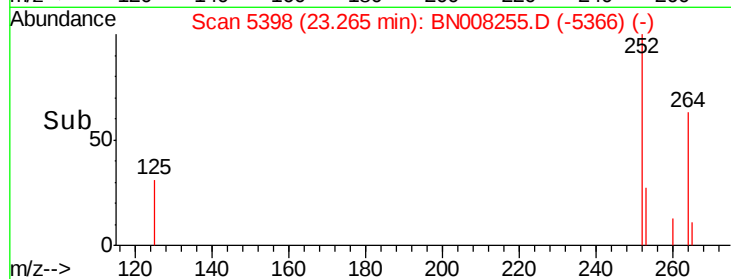
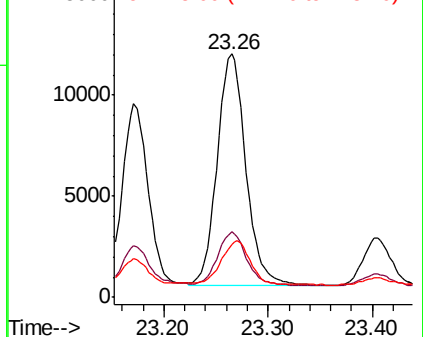
252 100

253 26.9 22.8 34.2

125 22.0 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: 0.175 ng/u1

RT: 25.52 min Scan# 6146

Delta R.T. -0.01 min

Lab File: BN008255.D

Acq: 18 Oct 2019 19:47

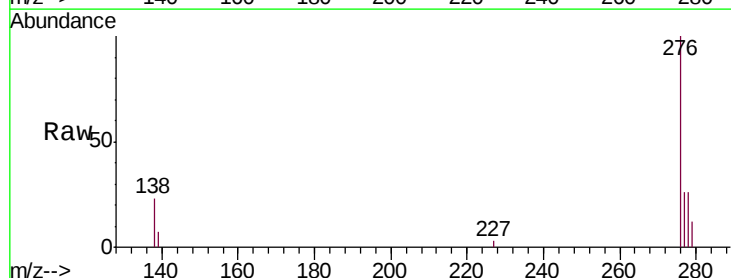
Tgt Ion:276 Resp: 11821

Ion Ratio Lower Upper

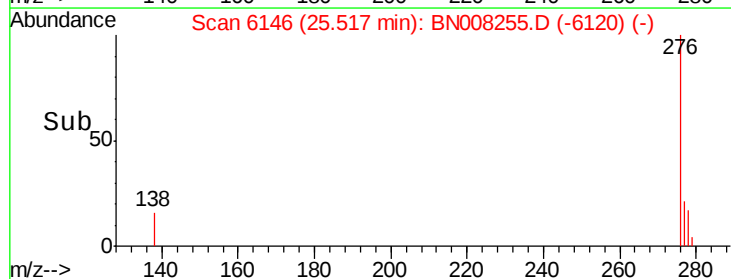
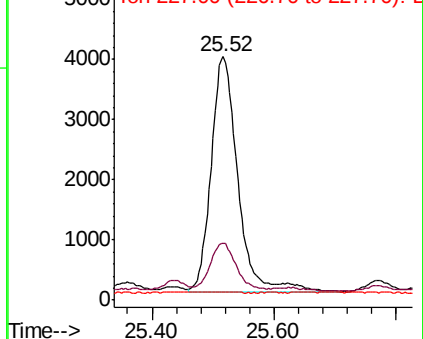
276 100

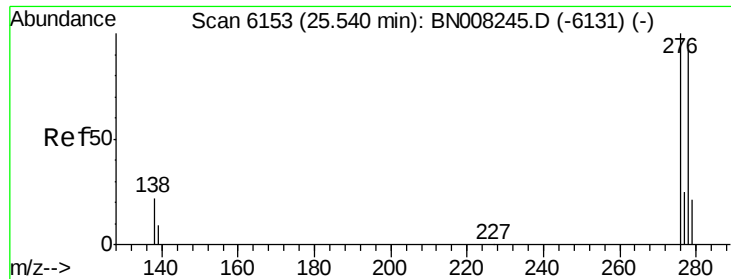
138 18.3 16.1 24.1

227 0.0 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

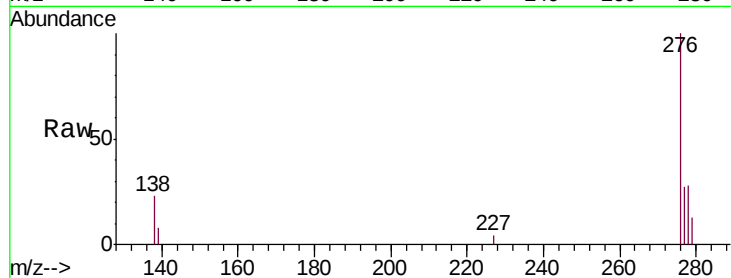




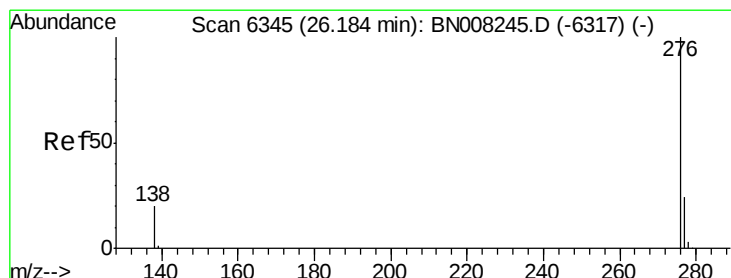
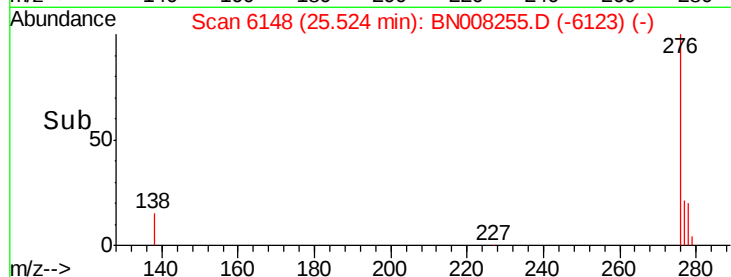
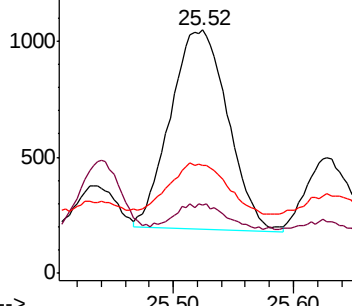
#25
Dibenzo(a,h)anthracene
Concen: 0.053 ng/ul
RT: 25.52 min Scan# 6148
Delta R.T. -0.02 min
Lab File: BN008255.D
Acq: 18 Oct 2019 19:47

Instrument :
BNA_N
ClientSampleId :
BEPJ4DL

Tgt Ion: 278 Resp: 2846
Ion Ratio Lower Upper
278 100
139 28.1 15.0 22.6#
279 44.2 22.4 33.6#

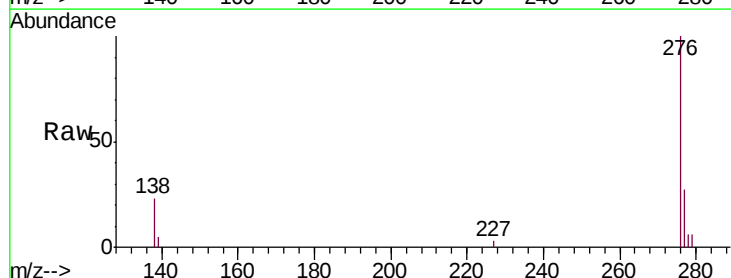


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.187 ng/ul
RT: 26.17 min Scan# 6342
Delta R.T. -0.01 min
Lab File: BN008255.D
Acq: 18 Oct 2019 19:47

Tgt Ion: 276 Resp: 11553
Ion Ratio Lower Upper
276 100
138 23.4 17.0 25.4
277 26.7 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

