

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008339.D
 Acq On : 23 Oct 2019 06:19
 Operator : JU
 Sample : K5223-18
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 23 07:08:00 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 : Mon Oct 21 23:58:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1659	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.35	136	8288	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.22	164	5202	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-16.97
16) Chrysene-d12	21.17	240	11030	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	9479	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.95	152	3034	0.22	ng/ul	-0.01
14) Fluoranthene-d10	19.00	212	9538	0.00	ng/ul	0.00

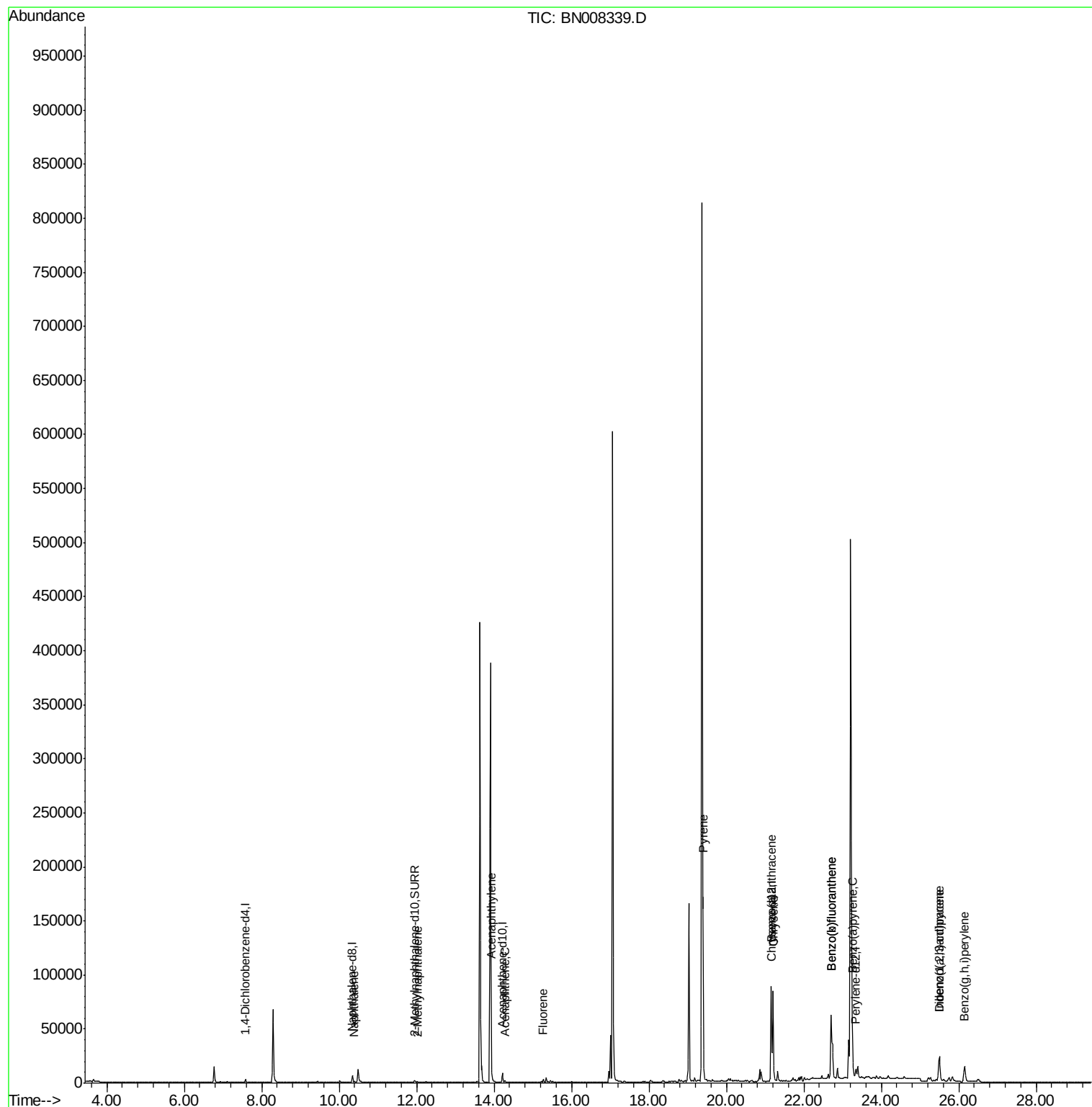
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.39	128	1251	0.053	ng/ul#	85
5) 2-Methylnaphthalene	12.02	142	580	0.036	ng/ul	96
7) Acenaphthylene	13.93	152	4503	0.182	ng/ul	97
8) Acenaphthene	14.28	153	1201	0.062	ng/ul	96
9) Fluorene	15.27	166	1691	0.077	ng/ul#	95
17) Pyrene	19.40	202	131020	2.983	ng/ul	100
18) Benzo(a)anthracene	21.16	228	72311	1.803	ng/ul	98
19) Chrysene	21.21	228	84709	1.721	ng/ul	99
21) Benzo(b)fluoranthene	22.70	252	126200	4.090	ng/ul	93
22) Benzo(k)fluoranthene	22.70	252	126200	3.610	ng/ul	94
23) Benzo(a)pyrene	23.25	252	60072	1.850	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.50	276	37560	0.982	ng/ul	99
25) Dibenzo(a,h)anthracene	25.50	278	8861	0.293	ng/ul	92
26) Benzo(g,h,i)perylene	26.15	276	29917	0.853	ng/ul	98

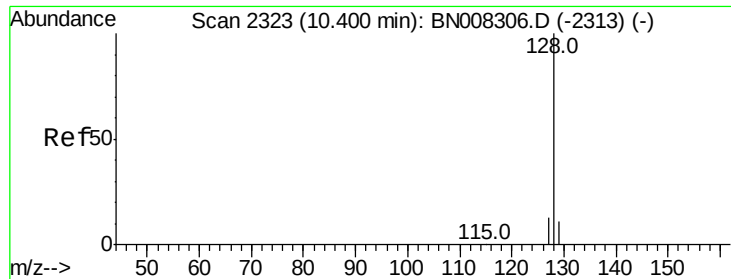
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.053 ng/ul

RT: 10.39 min Scan# 2321

Delta R.T. -0.01 min

Lab File: BN008339.D

Acq: 23 Oct 2019 06:19

Instrument :

BNA_N

ClientSampleId :

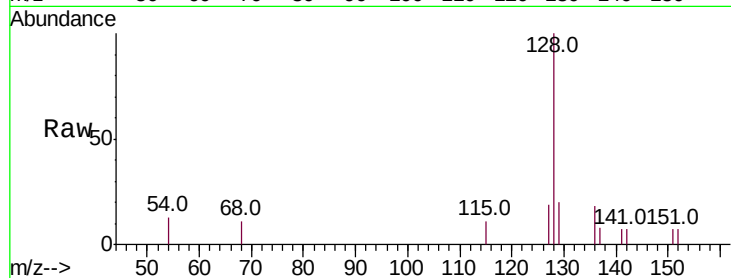
Tot Ion:128 Resp: 1251

Ion Ratio Lower Upper

128 100

129 19.5 9.8 14.8#

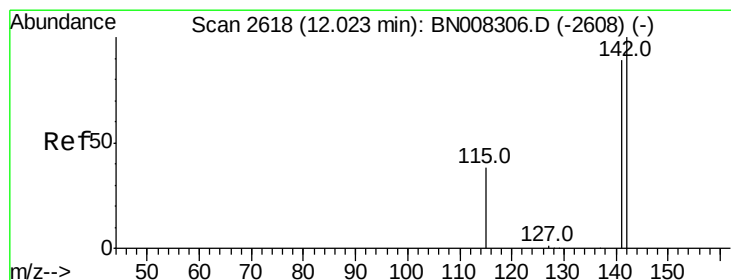
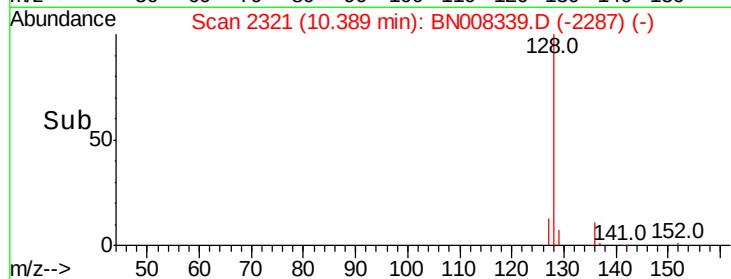
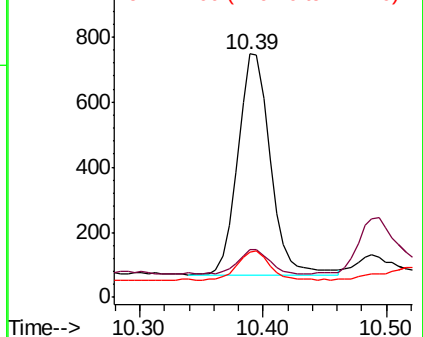
127 18.7 11.1 16.7#



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: 0.036 ng/ul

RT: 12.02 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BN008339.D

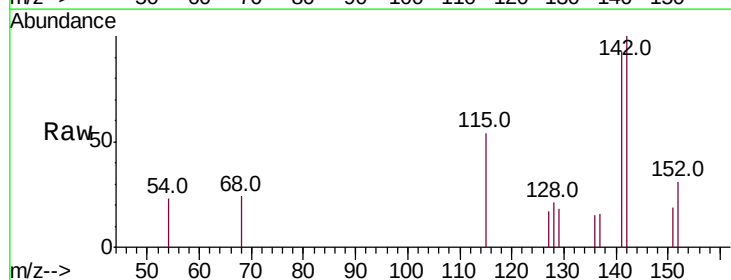
Acq: 23 Oct 2019 06:19

Tgt Ion:142 Resp: 580

Ion Ratio Lower Upper

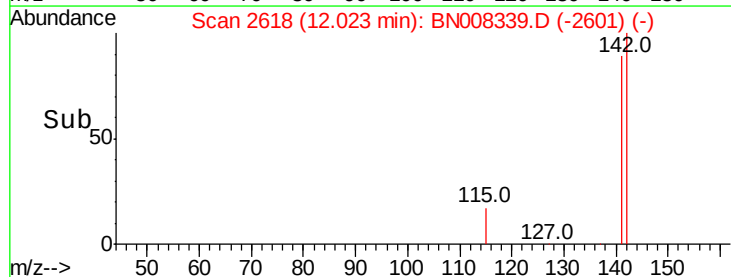
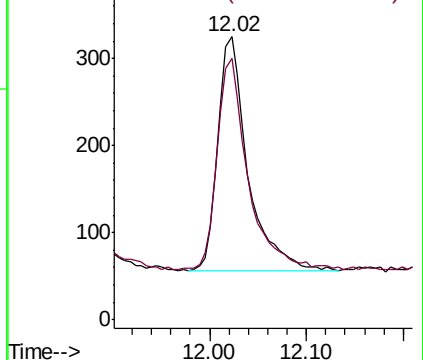
142 100

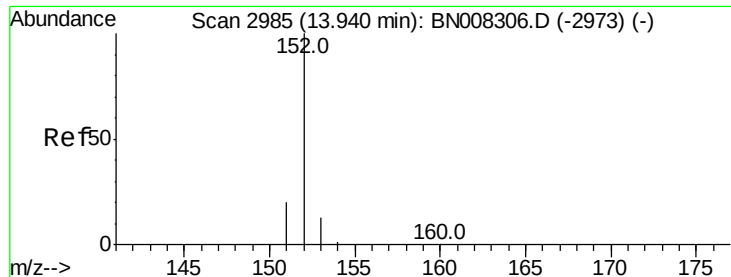
141 93.4 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.182 ng/ul

RT: 13.93 min Scan# 2983

Delta R.T. -0.01 min

Lab File: BN008339.D

Acq: 23 Oct 2019 06:19

Instrument :

BNA_N

ClientSampleId :

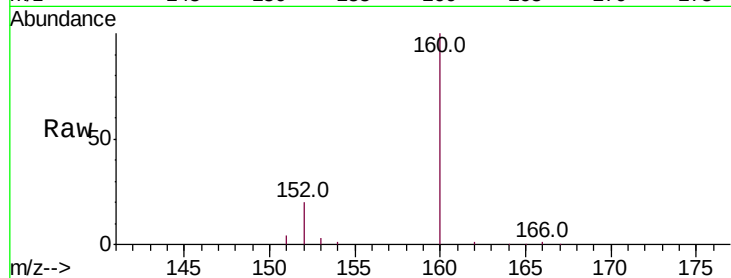
Tot Ion:152 Resp: 4503

Ion Ratio Lower Upper

152 100

151 21.5 16.2 24.4

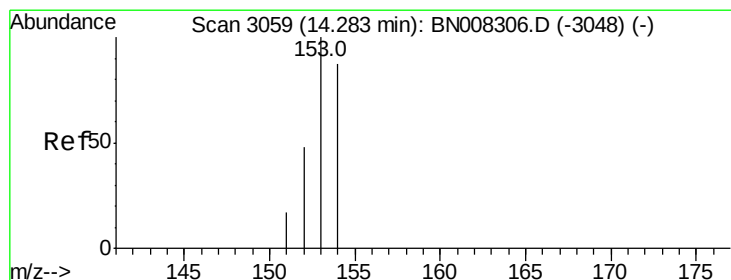
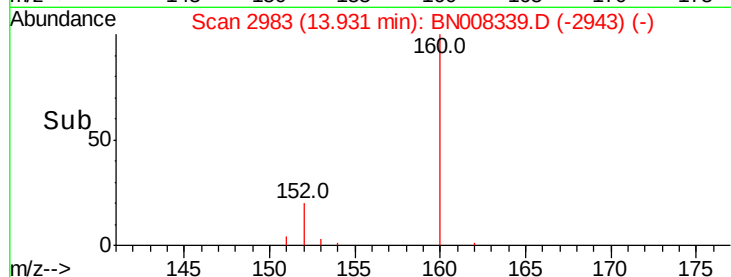
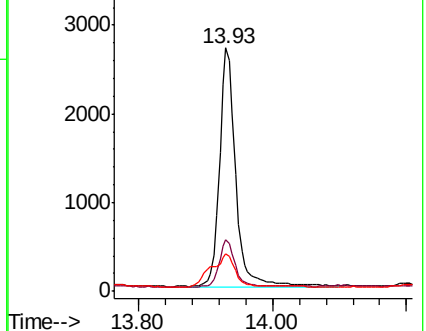
153 15.6 11.0 16.4



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



#8

Acenaphthene

Concen: 0.062 ng/ul

RT: 14.28 min Scan# 3058

Delta R.T. -0.01 min

Lab File: BN008339.D

Acq: 23 Oct 2019 06:19

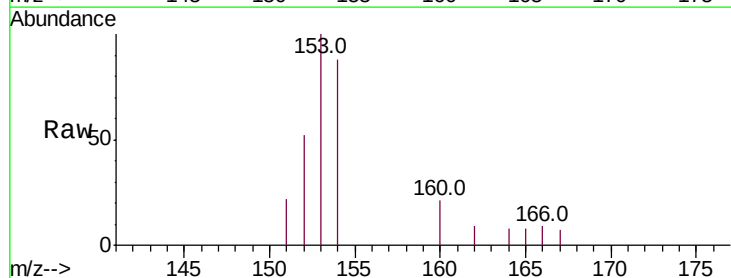
Tgt Ion:153 Resp: 1201

Ion Ratio Lower Upper

153 100

152 52.0 38.2 57.2

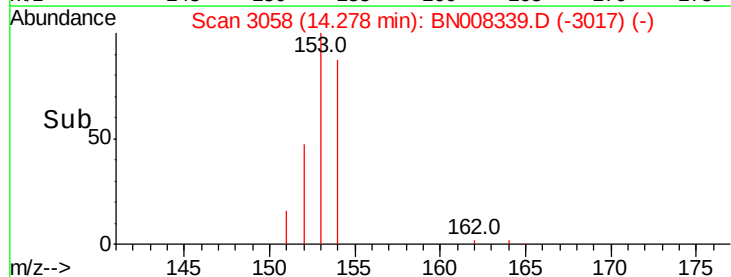
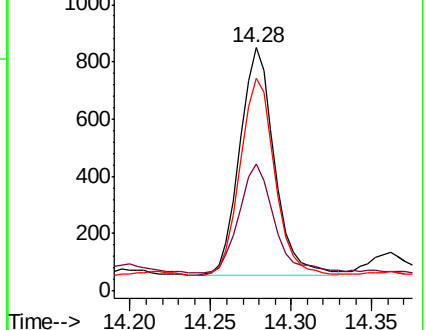
154 87.5 71.8 107.8

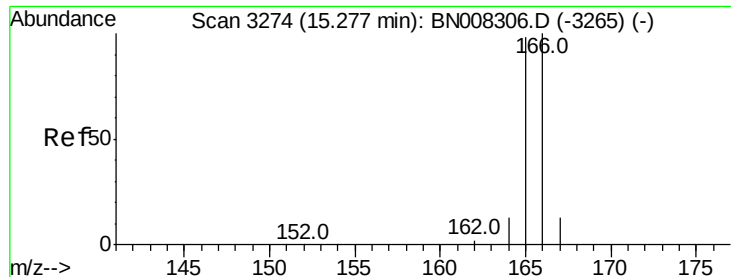


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.077 ng/ul

RT: 15.27 min Scan# 3272

Delta R.T. -0.01 min

Lab File: BN008339.D

Acq: 23 Oct 2019 06:19

Instrument :

BNA_N

ClientSampleId :

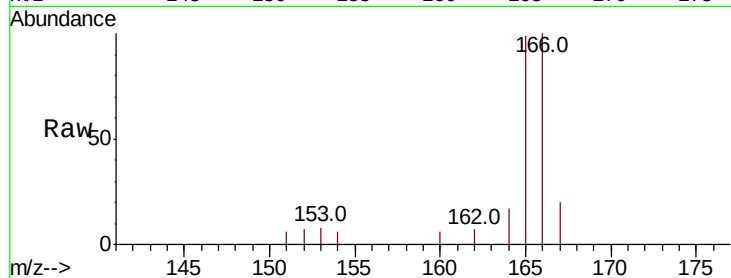
Tot Ion:166 Resp: 1691

Ion Ratio Lower Upper

166 100

165 99.0 76.6 115.0

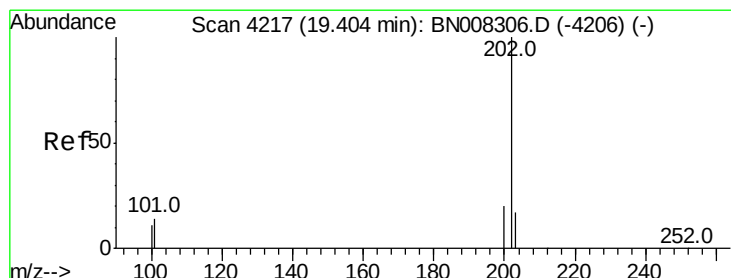
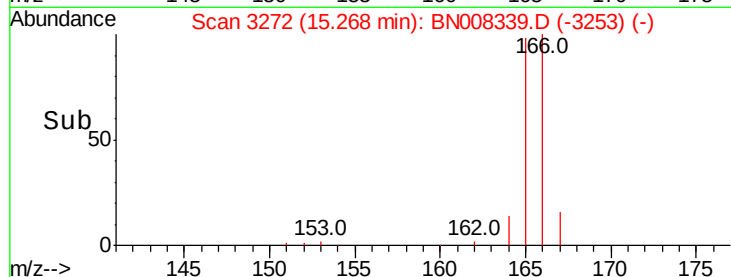
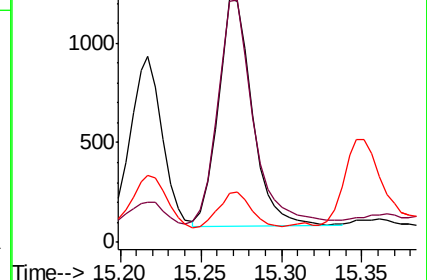
167 20.1 11.7 17.5#



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



#17

Pyrene

Concen: 2.983 ng/ul

RT: 19.40 min Scan# 4216

Delta R.T. -0.00 min

Lab File: BN008339.D

Acq: 23 Oct 2019 06:19

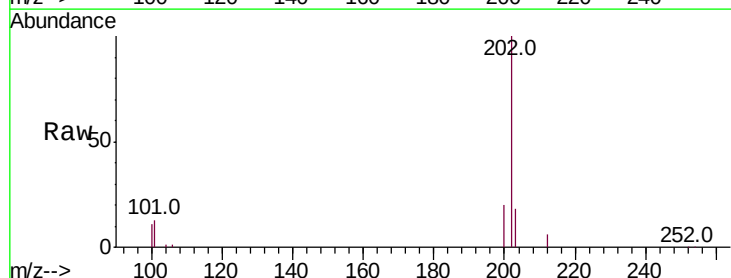
Tgt Ion:202 Resp: 131020

Ion Ratio Lower Upper

202 100

101 13.4 10.9 16.3

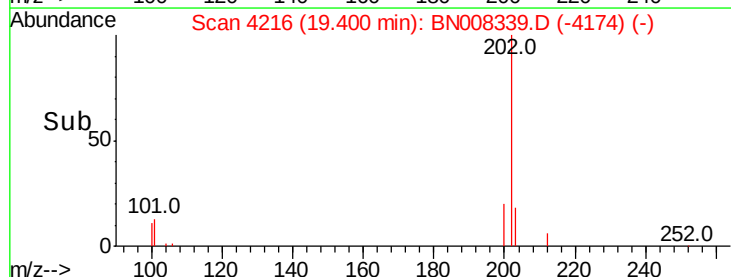
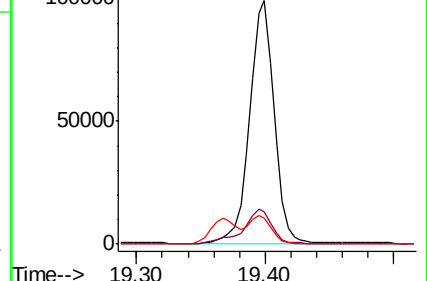
100 10.9 8.7 13.1

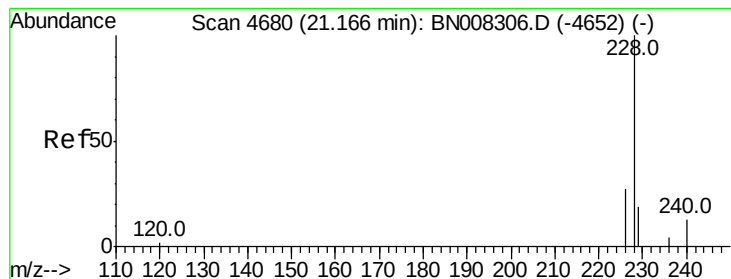


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 1.803 ng/ul

RT: 21.16 min Scan# 4677

Delta R.T. -0.01 min

Lab File: BN008339.D

Acq: 23 Oct 2019 06:19

Instrument :

BNA_N

ClientSampleId :

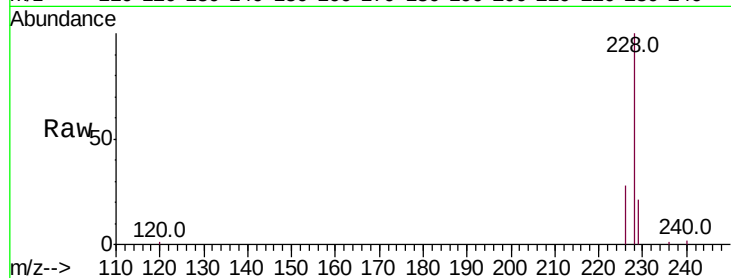
Tot Ion:228 Resp: 72311

Ion Ratio Lower Upper

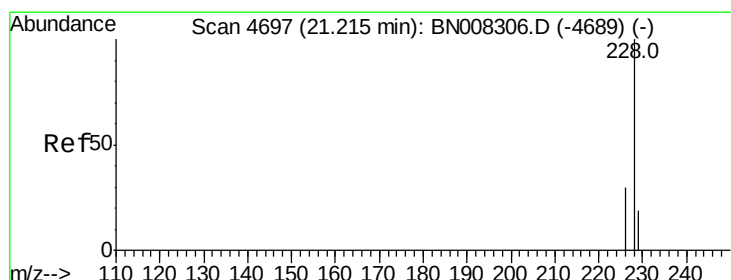
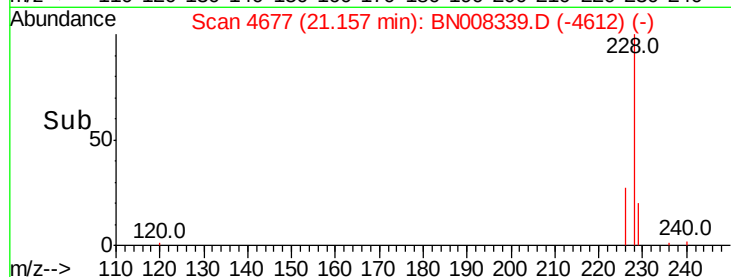
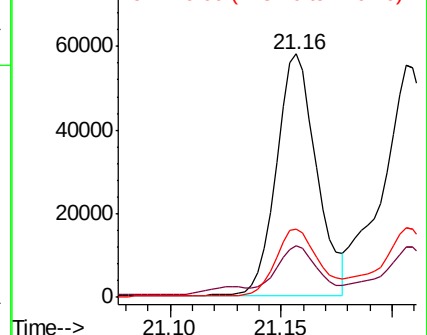
228 100

229 21.0 16.2 24.2

226 28.0 21.4 32.0



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: 1.721 ng/ul

RT: 21.21 min Scan# 4694

Delta R.T. -0.01 min

Lab File: BN008339.D

Acq: 23 Oct 2019 06:19

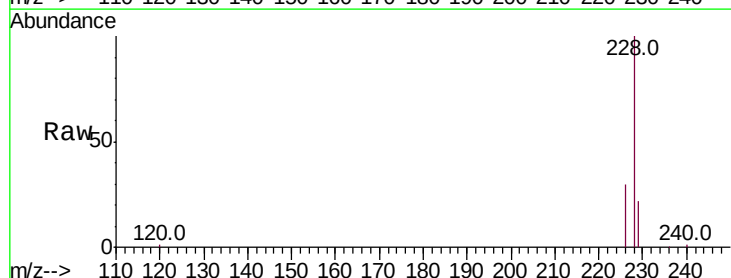
Tgt Ion:228 Resp: 84709

Ion Ratio Lower Upper

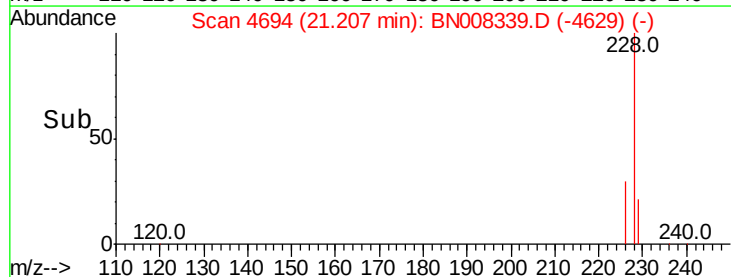
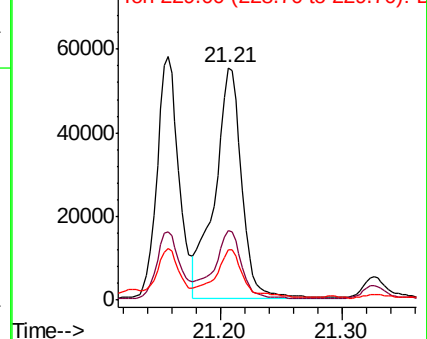
228 100

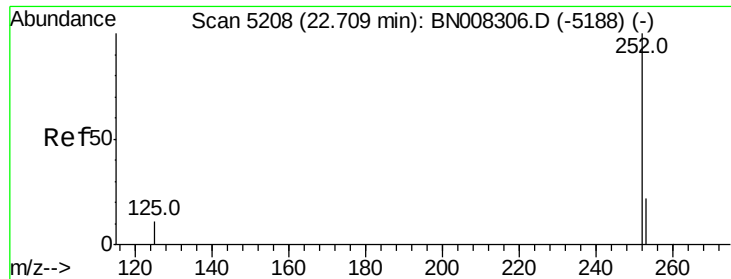
226 30.0 24.1 36.1

229 21.6 16.2 24.2



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: 4.090 ng/ul

RT: 22.70 min Scan# 5206

Delta R.T. -0.01 min

Lab File: BN008339.D

Acq: 23 Oct 2019 06:19

Instrument :

BNA_N

ClientSampleId :

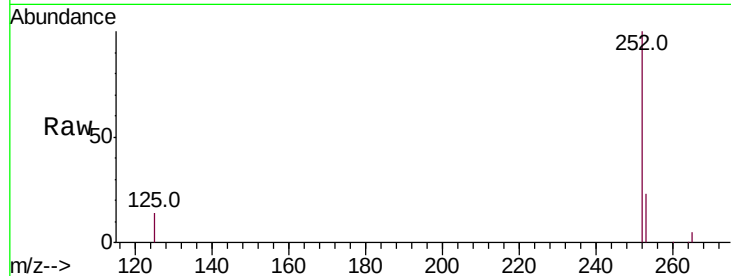
Tot Ion:252 Resp: 126200

Ion Ratio Lower Upper

252 100

253 23.2 0.0 53.4

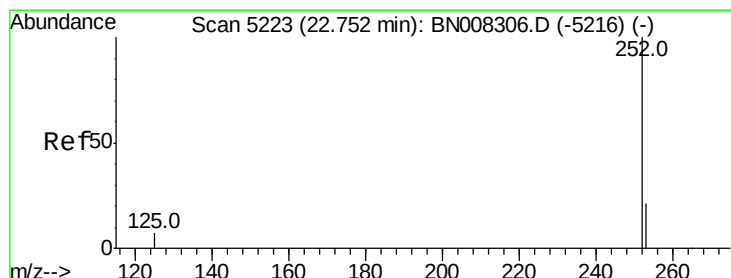
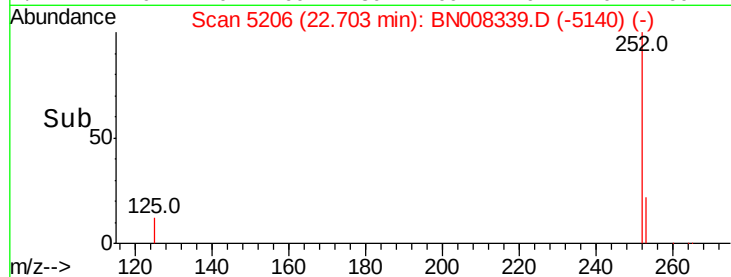
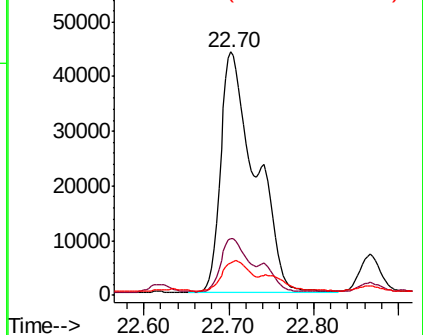
125 13.5 0.0 32.4



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: 3.610 ng/ul

RT: 22.70 min Scan# 5206

Delta R.T. -0.05 min

Lab File: BN008339.D

Acq: 23 Oct 2019 06:19

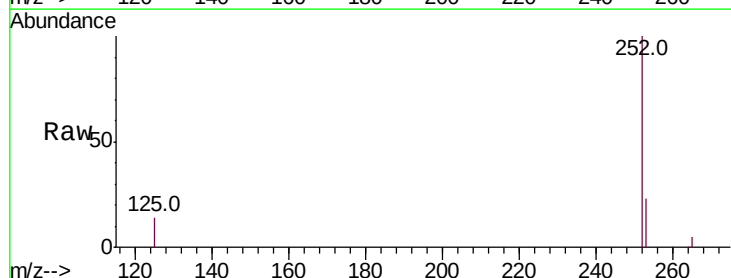
Tgt Ion:252 Resp: 126200

Ion Ratio Lower Upper

252 100

253 23.2 21.3 31.9

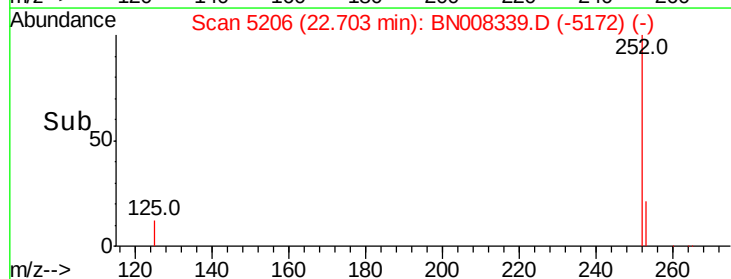
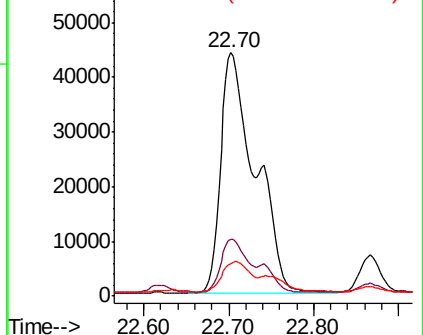
125 13.5 12.3 18.5

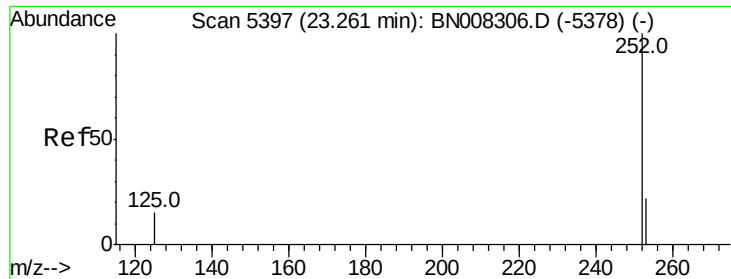


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.850 ng/ul

RT: 23.25 min Scan# 5394

Delta R.T. -0.01 min

Lab File: BN008339.D

Acq: 23 Oct 2019 06:19

Instrument :

BNA_N

ClientSampled :

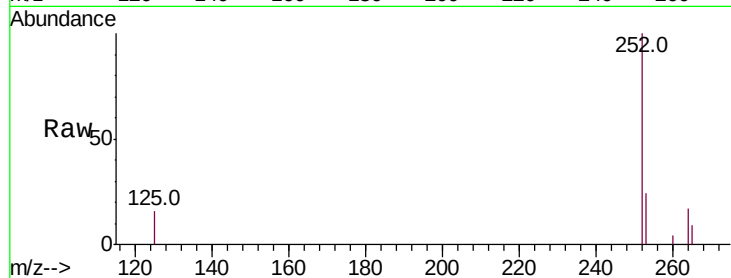
Tot Ion:252 Resp: 60072

Ion Ratio Lower Upper

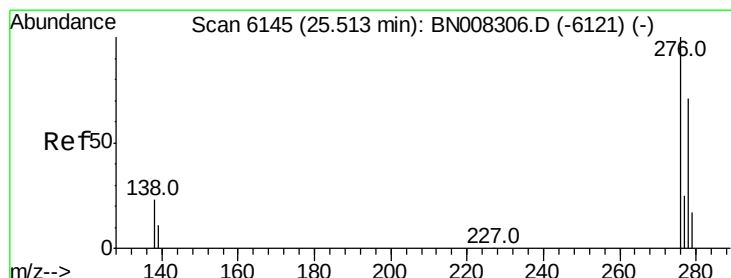
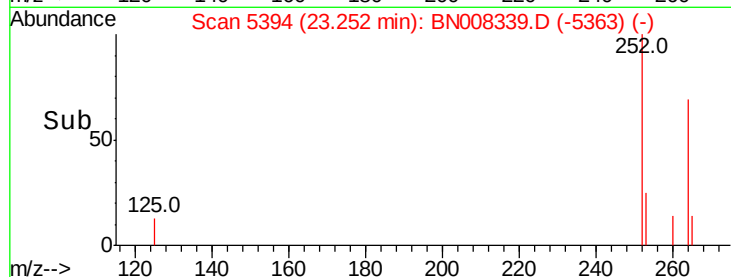
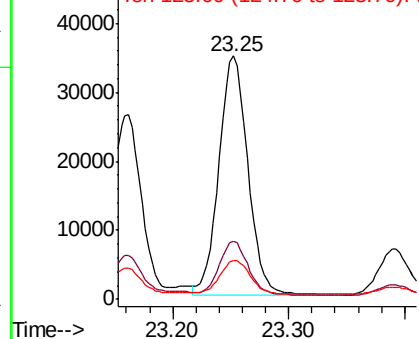
252 100

253 23.8 22.8 34.2

125 16.0 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: 0.982 ng/ul

RT: 25.50 min Scan# 6140

Delta R.T. -0.01 min

Lab File: BN008339.D

Acq: 23 Oct 2019 06:19

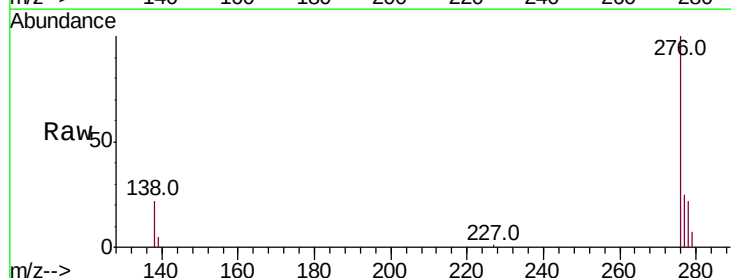
Tgt Ion:276 Resp: 37560

Ion Ratio Lower Upper

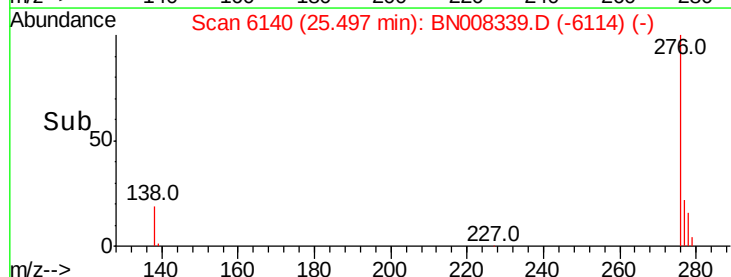
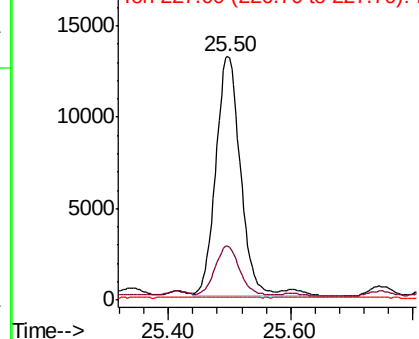
276 100

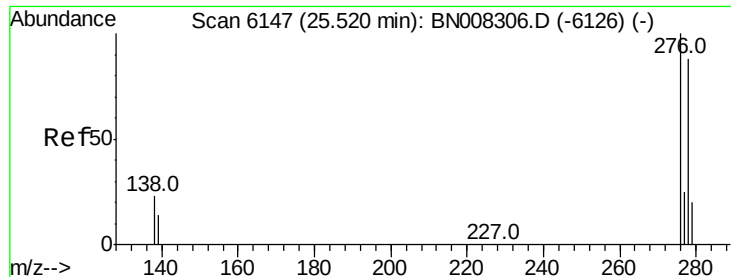
138 19.5 16.1 24.1

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

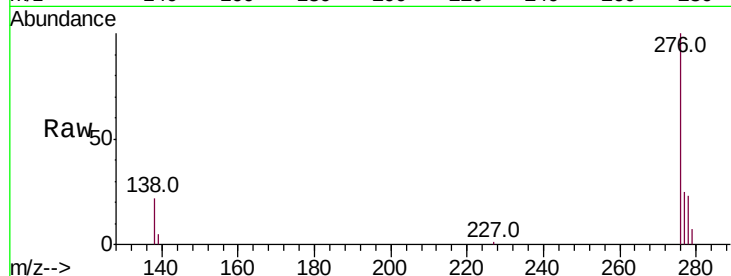




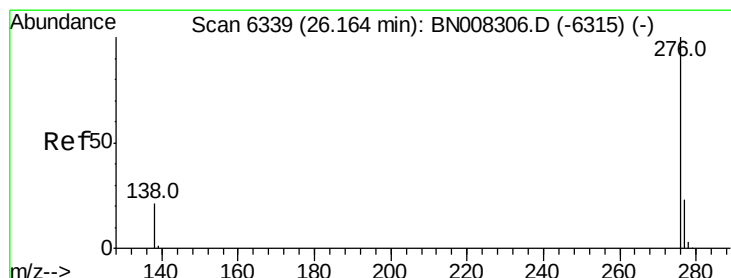
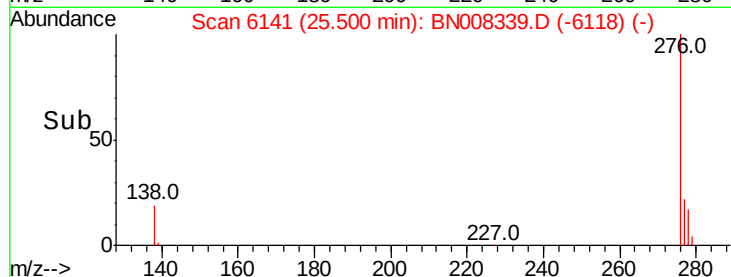
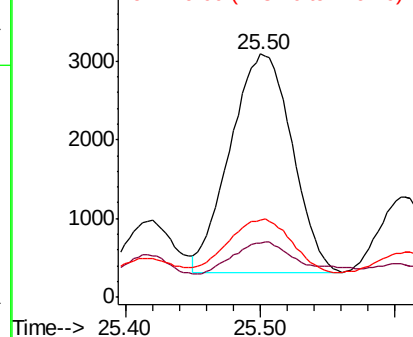
#25
Dibenzo(a,h)anthracene
Concen: 0.293 ng/ul
RT: 25.50 min Scan# 6141
Delta R.T. -0.02 min
Lab File: BN008339.D
Acq: 23 Oct 2019 06:19

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 8861
Ion Ratio Lower Upper
278 100
139 22.4 15.0 22.6
279 31.8 22.4 33.6

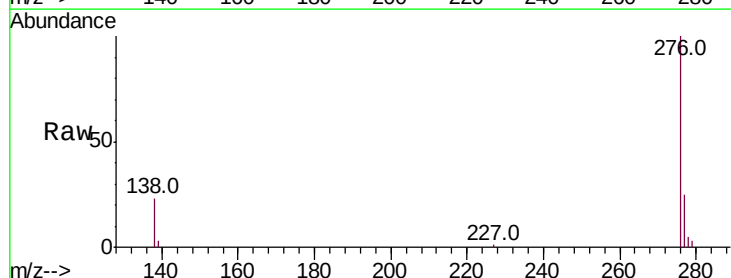


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.853 ng/ul
RT: 26.15 min Scan# 6336
Delta R.T. -0.01 min
Lab File: BN008339.D
Acq: 23 Oct 2019 06:19

Tgt Ion:276 Resp: 29917
Ion Ratio Lower Upper
276 100
138 22.8 17.0 25.4
277 25.2 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

