

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008326.D
 Acq On : 22 Oct 2019 21:58
 Operator : JU
 Sample : K5223-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 23 01:05:18 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

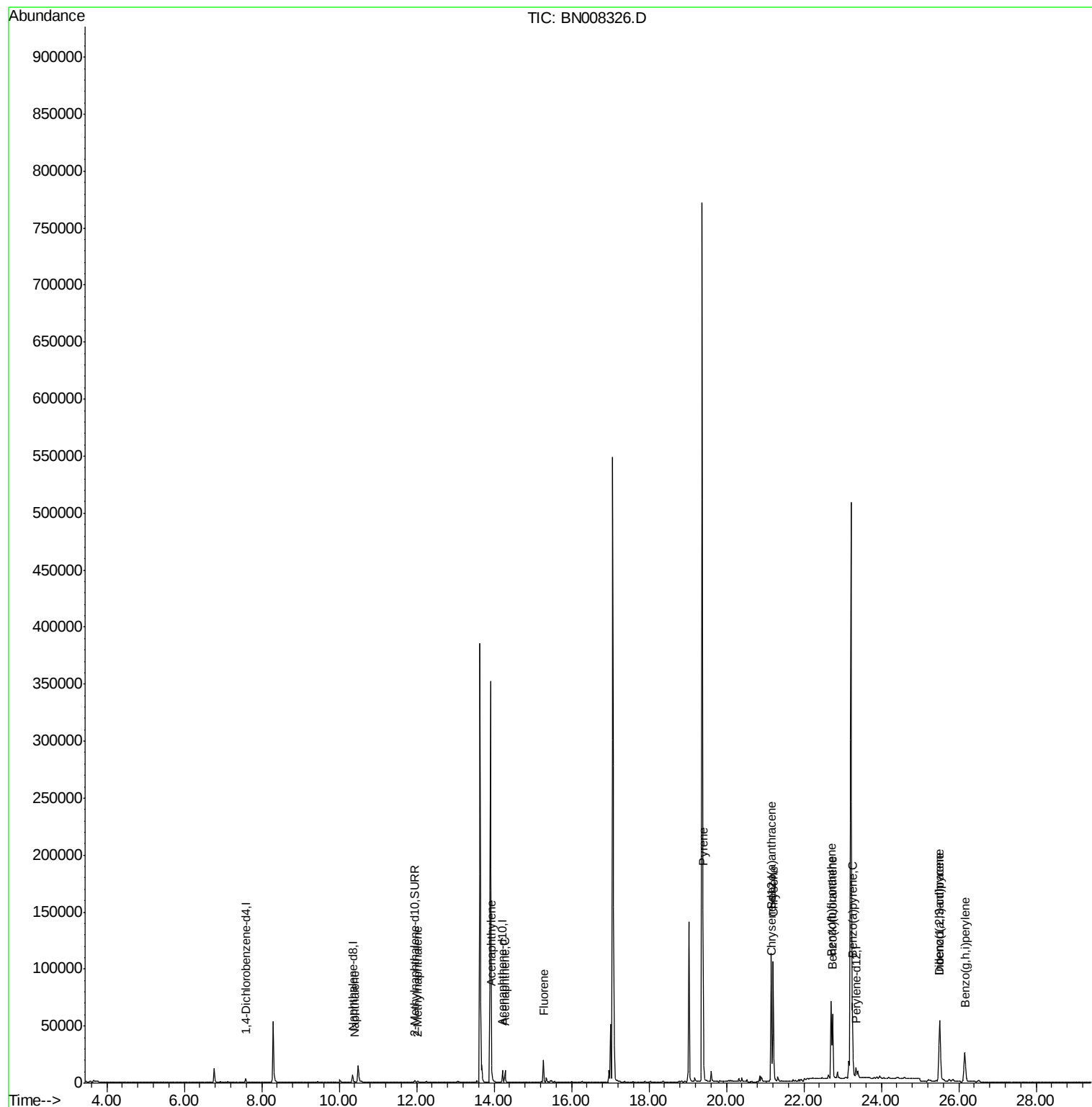
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1781	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.35	136	8811	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.22	164	5577	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-16.97
16) Chrysene-d12	21.17	240	11959	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	10819	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	2681	0.18	ng/ul	-0.01
14) Fluoranthene-d10	19.00	212	9022	0.00	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.39	128	891	0.036	ng/ul#	79
5) 2-Methylnaphthalene	12.02	142	959	0.056	ng/ul	98
7) Acenaphthylene	13.94	152	6033	0.227	ng/ul	99
8) Acenaphthene	14.28	153	6054	0.293	ng/ul	99
9) Fluorene	15.27	166	11978	0.511	ng/ul	99
17) Pyrene	19.40	202	111809	2.348	ng/ul	100
18) Benzo(a)anthracene	21.16	228	94342	2.170	ng/ul	99
19) Chrysene	21.21	228	92611	1.736	ng/ul	99
21) Benzo(b)fluoranthene	22.70	252	89813	2.550	ng/ul	91
22) Benzo(k)fluoranthene	22.74	252	69967	1.754	ng/ul#	92
23) Benzo(a)pyrene	23.25	252	74082	1.999	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.50	276	65817	1.508	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.51	278	46263	1.341	ng/ul	95
26) Benzo(g,h,i)perylene	26.15	276	53262	1.331	ng/ul	98

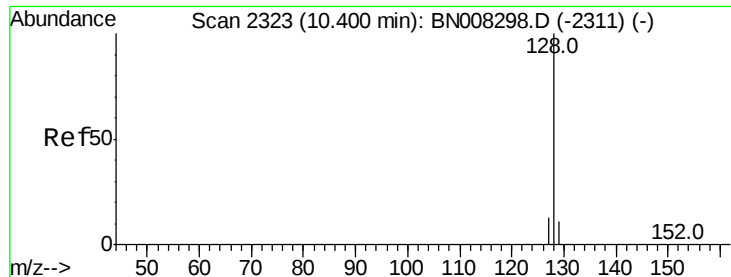
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.036 ng/ul

RT: 10.39 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BN008326.D

Acq: 22 Oct 2019 21:58

Instrument :

BNA_N

ClientSampleId :

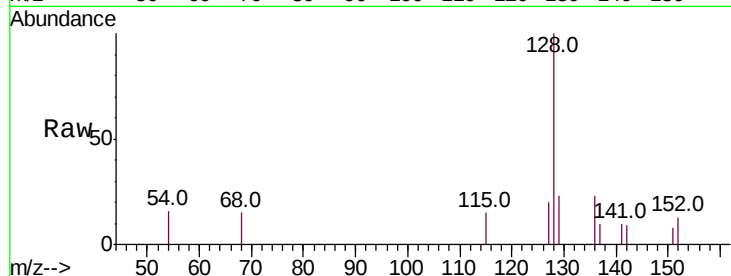
Tot Ion:128 Resp: 891

Ion Ratio Lower Upper

128 100

129 22.9 9.8 14.8#

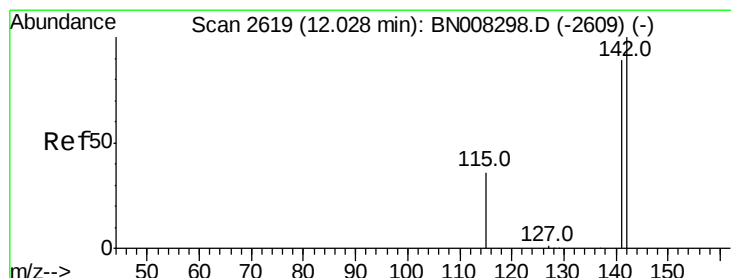
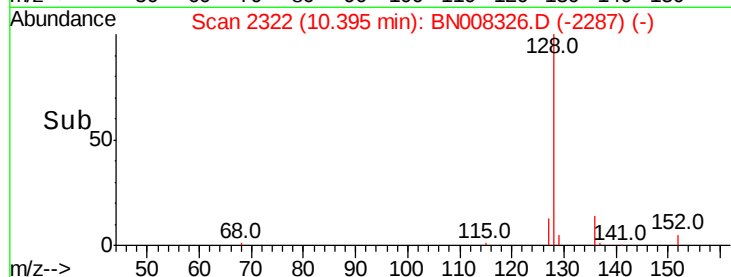
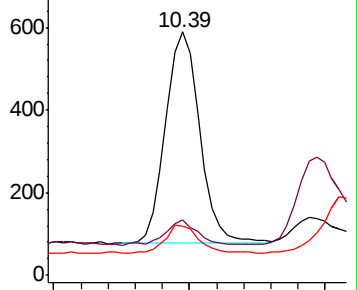
127 20.4 11.1 16.7#



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: 0.056 ng/ul

RT: 12.02 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BN008326.D

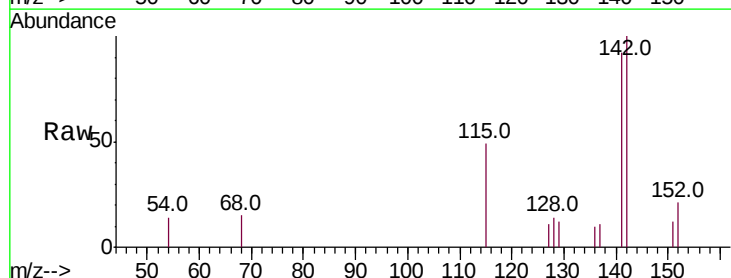
Acq: 22 Oct 2019 21:58

Tgt Ion:142 Resp: 959

Ion Ratio Lower Upper

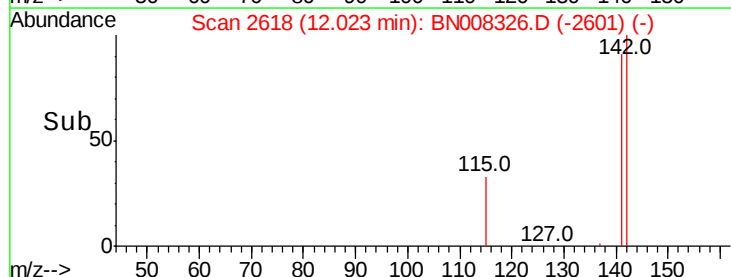
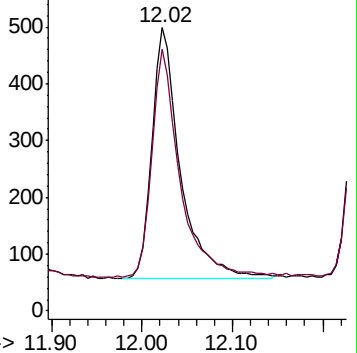
142 100

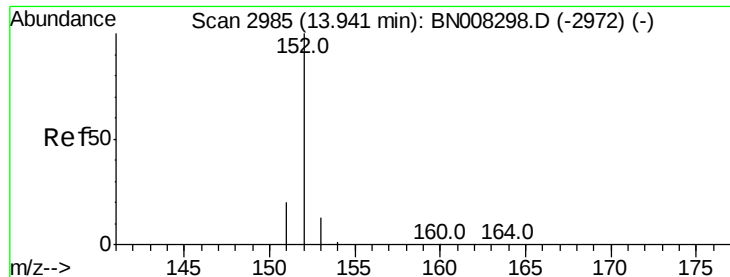
141 91.0 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.227 ng/ul

RT: 13.94 min Scan# 2984

Delta R.T. -0.01 min

Lab File: BN008326.D

Acq: 22 Oct 2019 21:58

Instrument :

BNA_N

ClientSampleId :

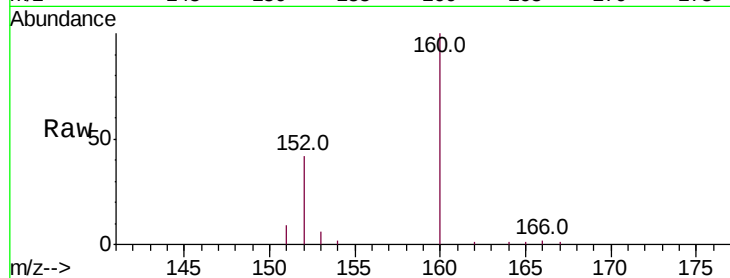
Tot Ion:152 Resp: 6033

Ion Ratio Lower Upper

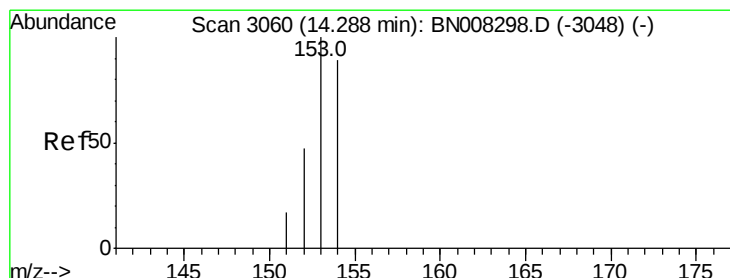
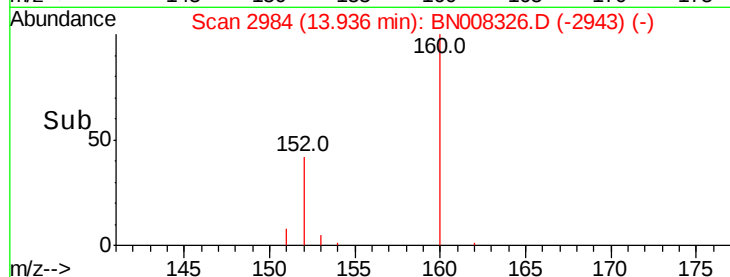
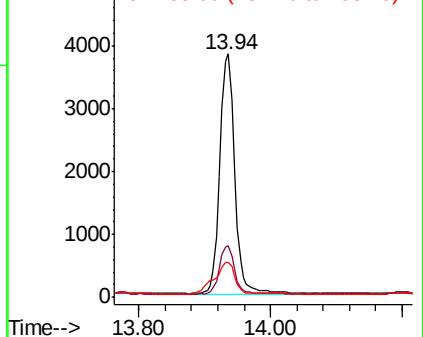
152 100

151 21.0 16.2 24.4

153 14.3 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: 0.293 ng/ul

RT: 14.28 min Scan# 3059

Delta R.T. -0.00 min

Lab File: BN008326.D

Acq: 22 Oct 2019 21:58

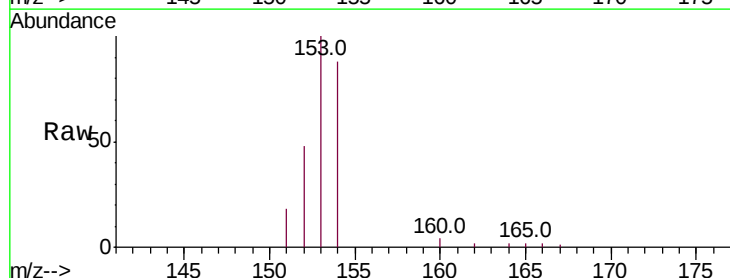
Tgt Ion:153 Resp: 6054

Ion Ratio Lower Upper

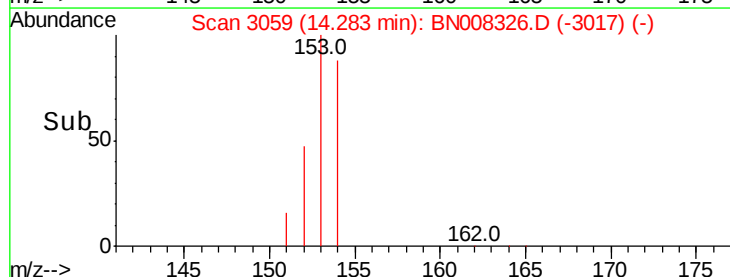
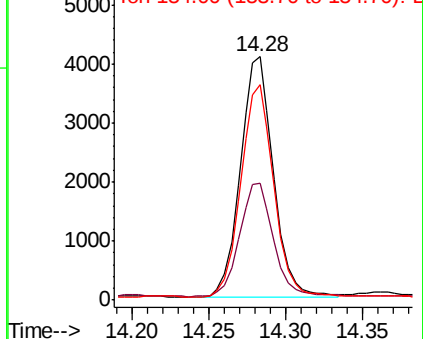
153 100

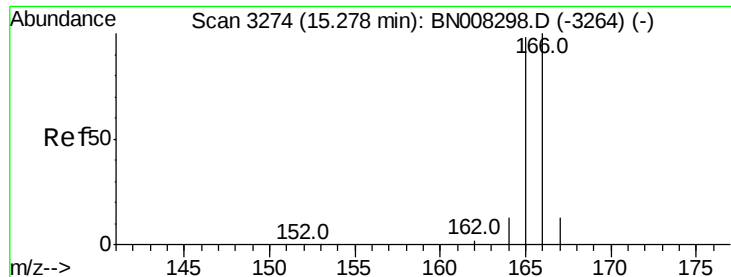
152 48.0 38.2 57.2

154 88.5 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



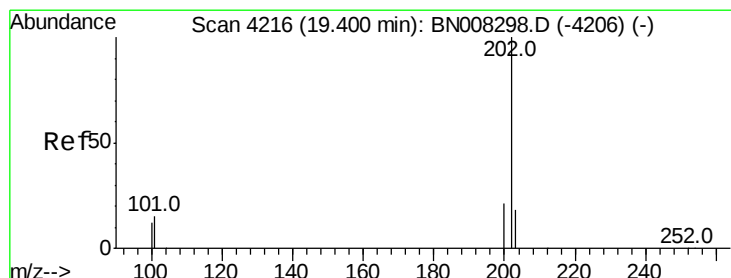
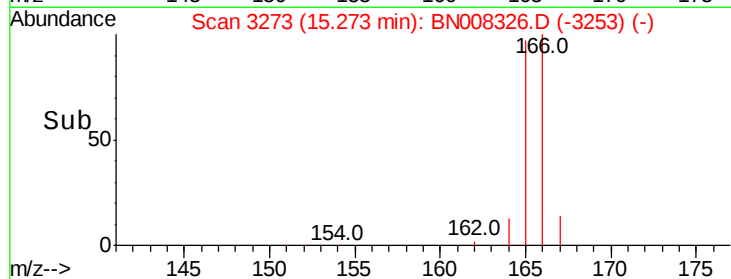
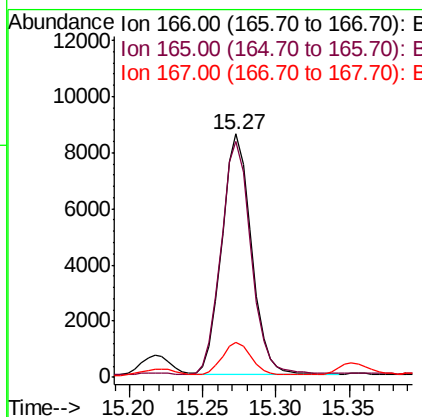
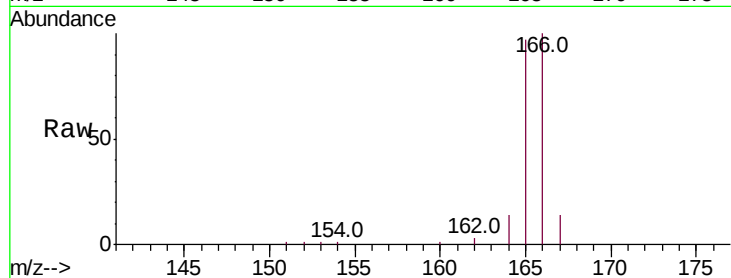


#9
Fluorene
 Concen: 0.511 ng/ul
 RT: 15.27 min Scan# 3273
 Delta R.T. -0.01 min
 Lab File: BN008326.D
 Acq: 22 Oct 2019 21:58

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:166 Resp: 11978

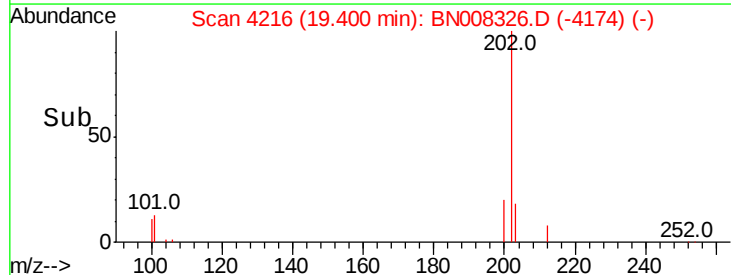
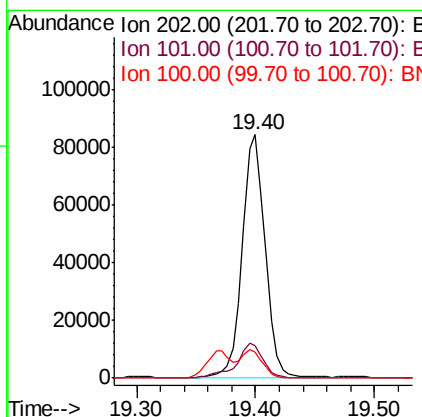
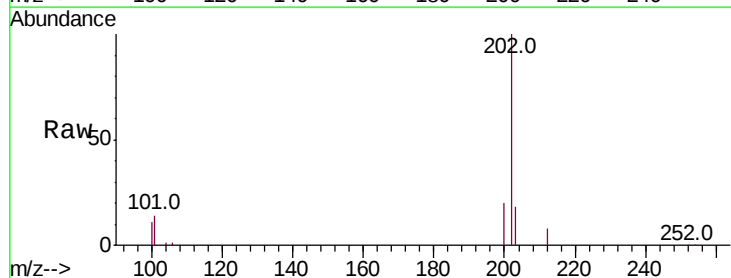
Ion	Ratio	Lower	Upper
166	100		
165	97.0	76.6	115.0
167	14.3	11.7	17.5

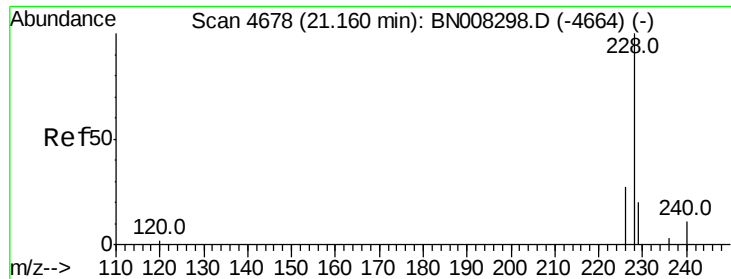


#17
Pyrene
 Concen: 2.348 ng/ul
 RT: 19.40 min Scan# 4216
 Delta R.T. -0.00 min
 Lab File: BN008326.D
 Acq: 22 Oct 2019 21:58

Tgt Ion:202 Resp: 111809

Ion	Ratio	Lower	Upper
202	100		
101	13.6	10.9	16.3
100	10.9	8.7	13.1

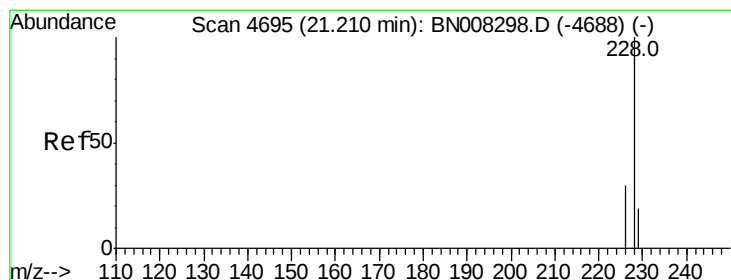
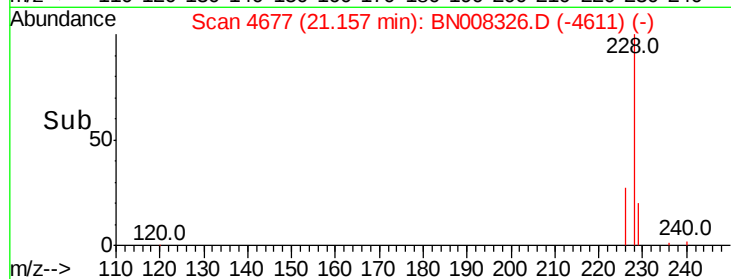
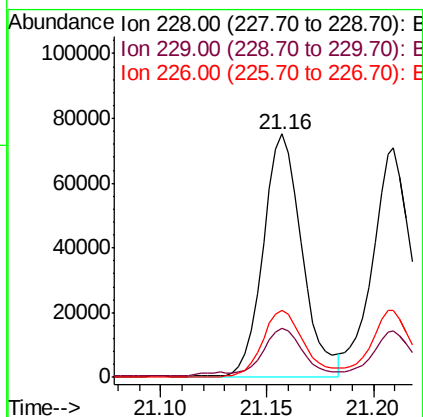
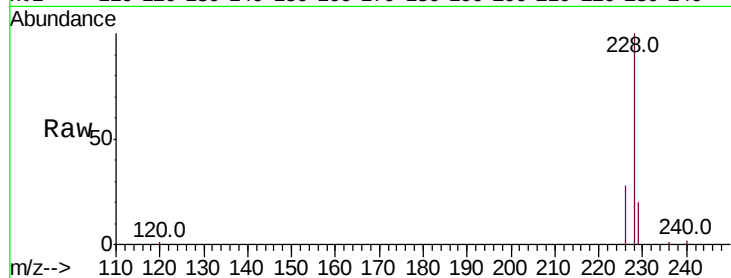




#18
Benzo(a)anthracene
Concen: 2.170 ng/ul
RT: 21.16 min Scan# 4677
Delta R.T. -0.01 min
Lab File: BN008326.D
Acq: 22 Oct 2019 21:58

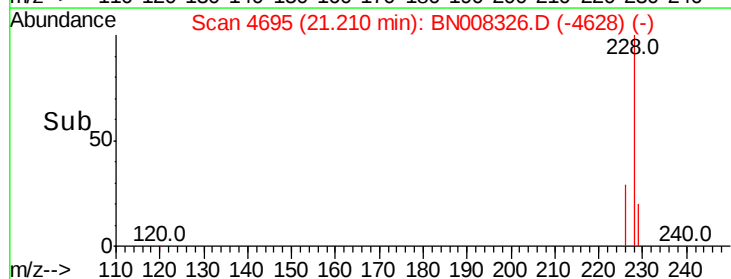
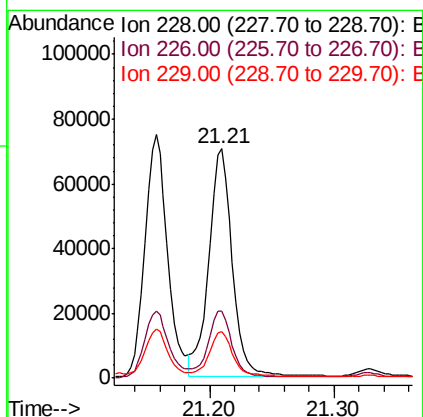
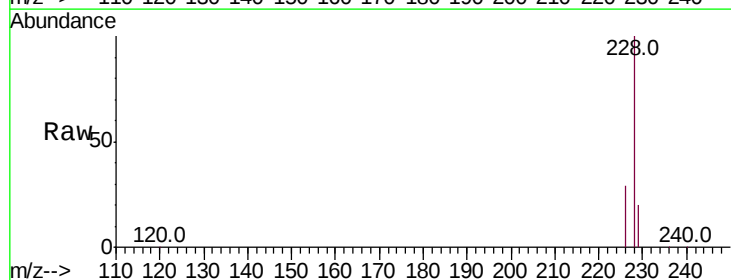
Instrument :
BNA_N
ClientSampleId :

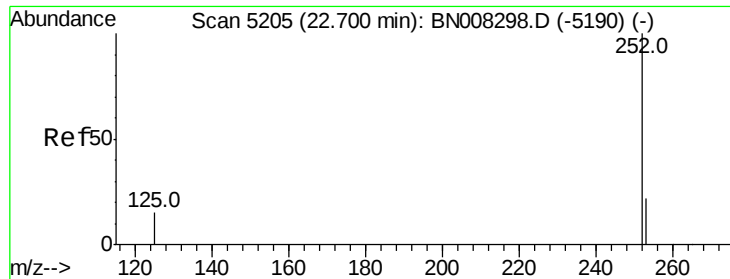
Tot Ion:228 Resp: 94342
Ion Ratio Lower Upper
228 100
229 20.1 16.2 24.2
226 27.7 21.4 32.0



#19
Chrysene
Concen: 1.736 ng/ul
RT: 21.21 min Scan# 4695
Delta R.T. -0.01 min
Lab File: BN008326.D
Acq: 22 Oct 2019 21:58

Tgt Ion:228 Resp: 92611
Ion Ratio Lower Upper
228 100
226 29.4 24.1 36.1
229 20.4 16.2 24.2





#21

Benzo(b)fluoranthene

Concen: 2.550 ng/ul

RT: 22.70 min Scan# 5205

Delta R.T. -0.01 min

Lab File: BN008326.D

Acq: 22 Oct 2019 21:58

Instrument :

BNA_N

ClientSampleId :

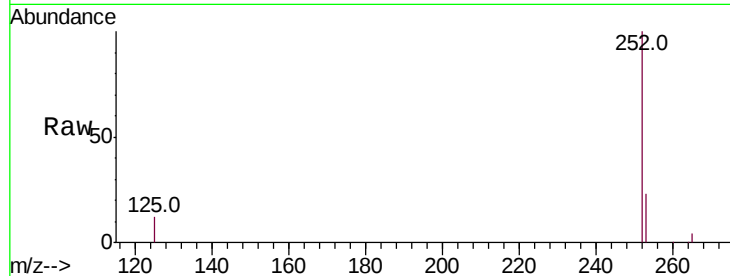
Tot Ion:252 Resp: 89813

Ion Ratio Lower Upper

252 100

253 22.7 0.0 53.4

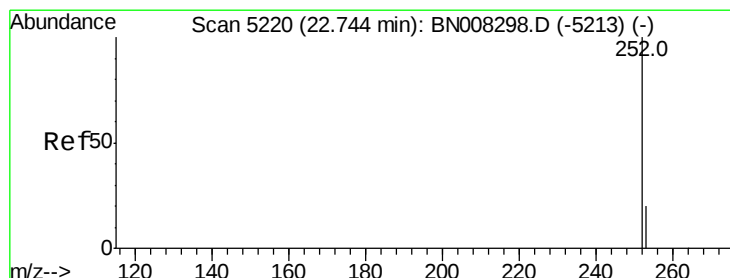
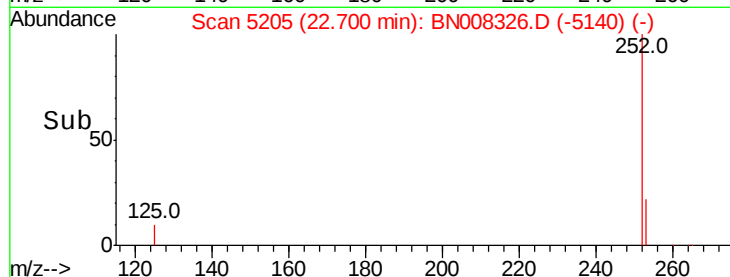
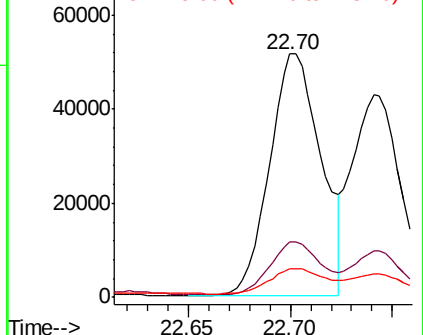
125 11.6 0.0 32.4



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: 1.754 ng/ul

RT: 22.74 min Scan# 5219

Delta R.T. -0.01 min

Lab File: BN008326.D

Acq: 22 Oct 2019 21:58

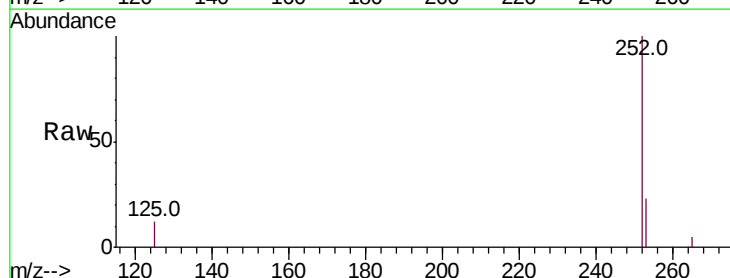
Tgt Ion:252 Resp: 69967

Ion Ratio Lower Upper

252 100

253 22.9 21.3 31.9

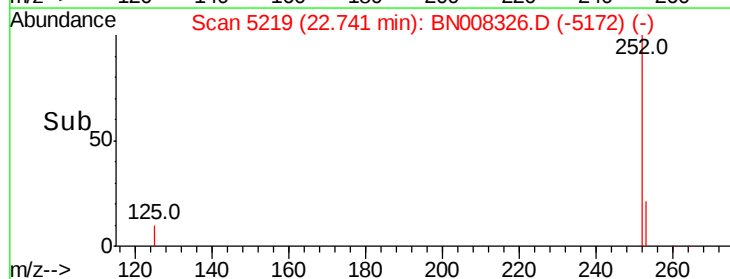
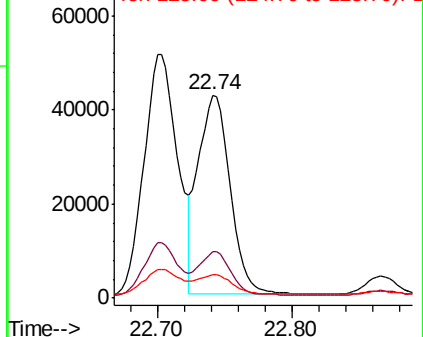
125 11.8 12.3 18.5#

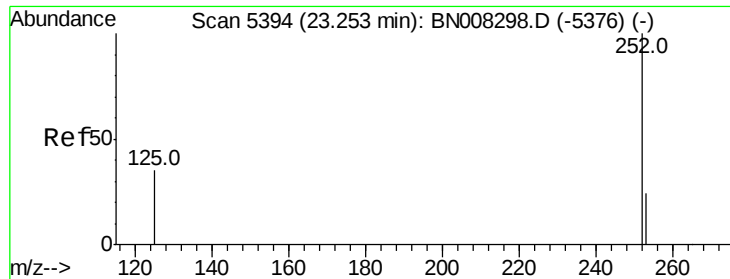


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.999 ng/ul

RT: 23.25 min Scan# 5394

Delta R.T. -0.01 min

Lab File: BN008326.D

Acq: 22 Oct 2019 21:58

Instrument :

BNA_N

ClientSampleId :

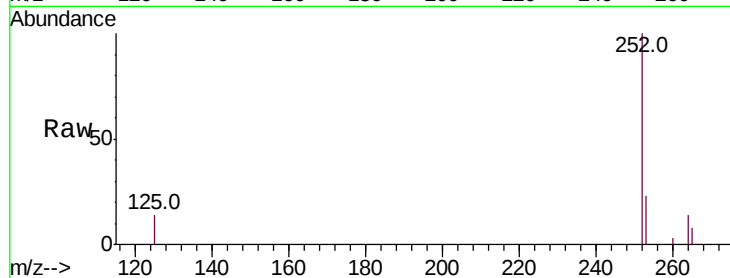
Tot Ion:252 Resp: 74082

Ion Ratio Lower Upper

252 100

253 23.1 22.8 34.2

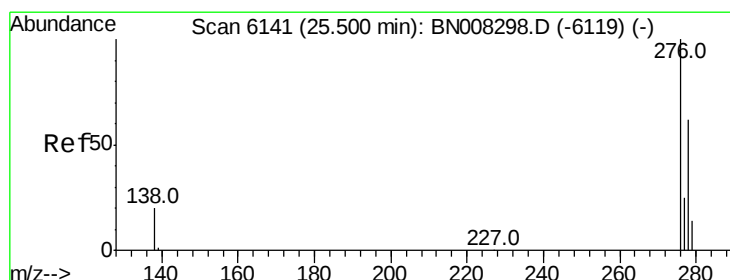
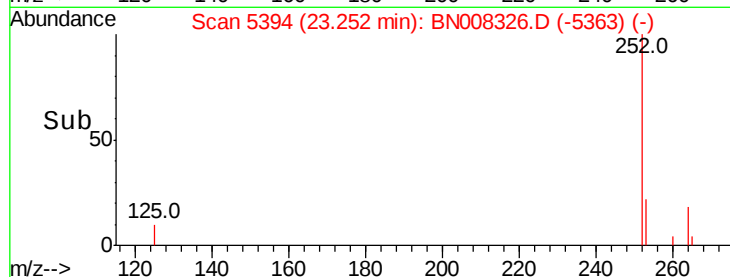
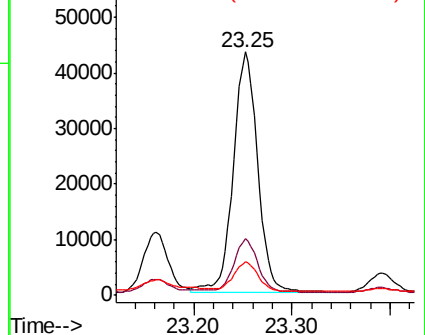
125 13.6 18.4 27.6#



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: 1.508 ng/ul

RT: 25.50 min Scan# 6142

Delta R.T. -0.01 min

Lab File: BN008326.D

Acq: 22 Oct 2019 21:58

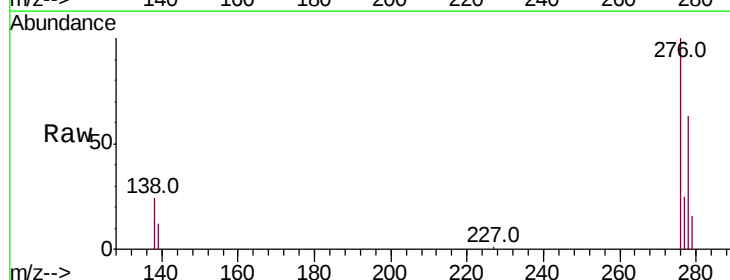
Tgt Ion:276 Resp: 65817

Ion Ratio Lower Upper

276 100

138 24.5 16.1 24.1#

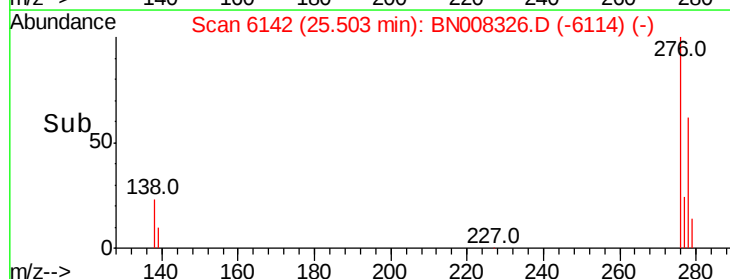
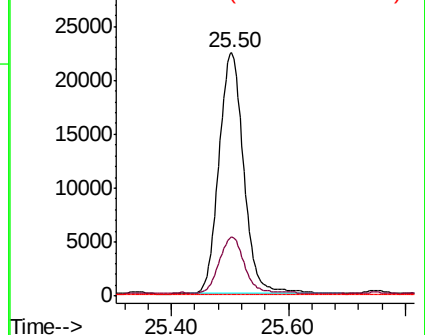
227 0.1 0.2 0.2#

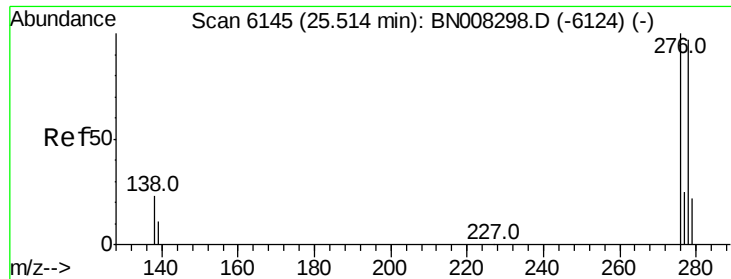


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 1.341 ng/ul

RT: 25.51 min Scan# 6145

Delta R.T. -0.01 min

Lab File: BN008326.D

Acq: 22 Oct 2019 21:58

Instrument :

BNA_N

ClientSampleId :

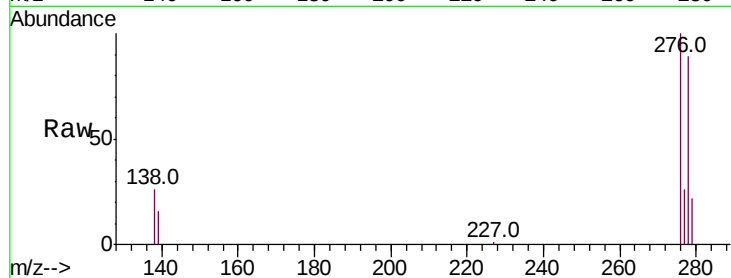
Tot Ion:278 Resp: 46263

Ion Ratio Lower Upper

278 100

139 17.7 15.0 22.6

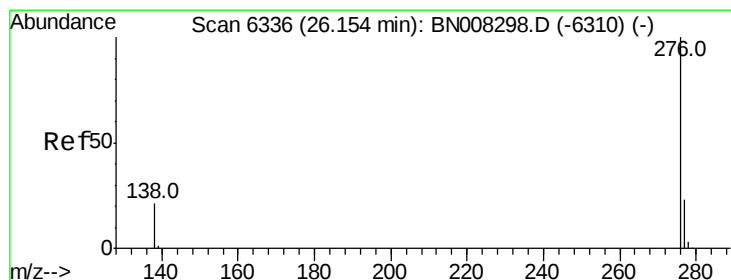
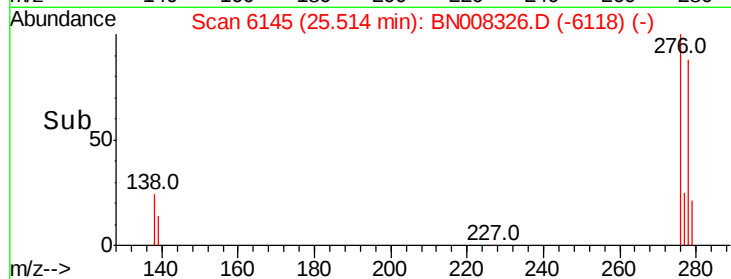
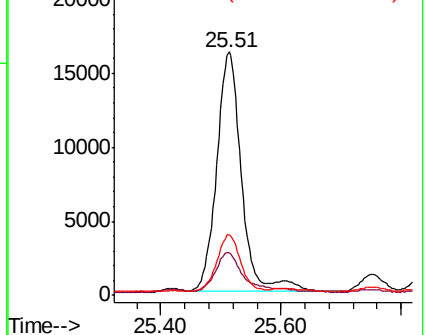
279 24.8 22.4 33.6



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: 1.331 ng/ul

RT: 26.15 min Scan# 6336

Delta R.T. -0.01 min

Lab File: BN008326.D

Acq: 22 Oct 2019 21:58

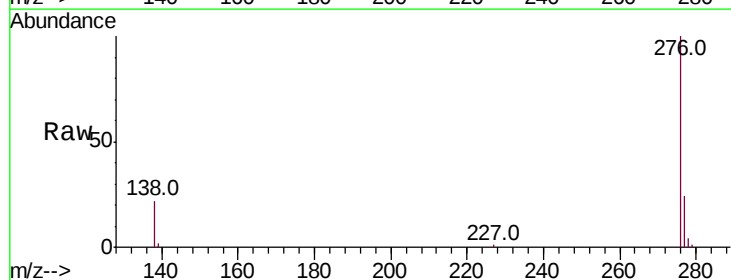
Tgt Ion:276 Resp: 53262

Ion Ratio Lower Upper

276 100

138 21.9 17.0 25.4

277 24.2 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

