

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008325.D
 Acq On : 22 Oct 2019 21:22
 Operator : JU
 Sample : K5223-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 23 01:05:13 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	1768	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.35	136	8815	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.22	164	5460	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	11643	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	10696	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.95	152	3657	0.25	ng/ul	-0.01
14) Fluoranthene-d10	19.00	212	10329	0.00	ng/ul	0.00

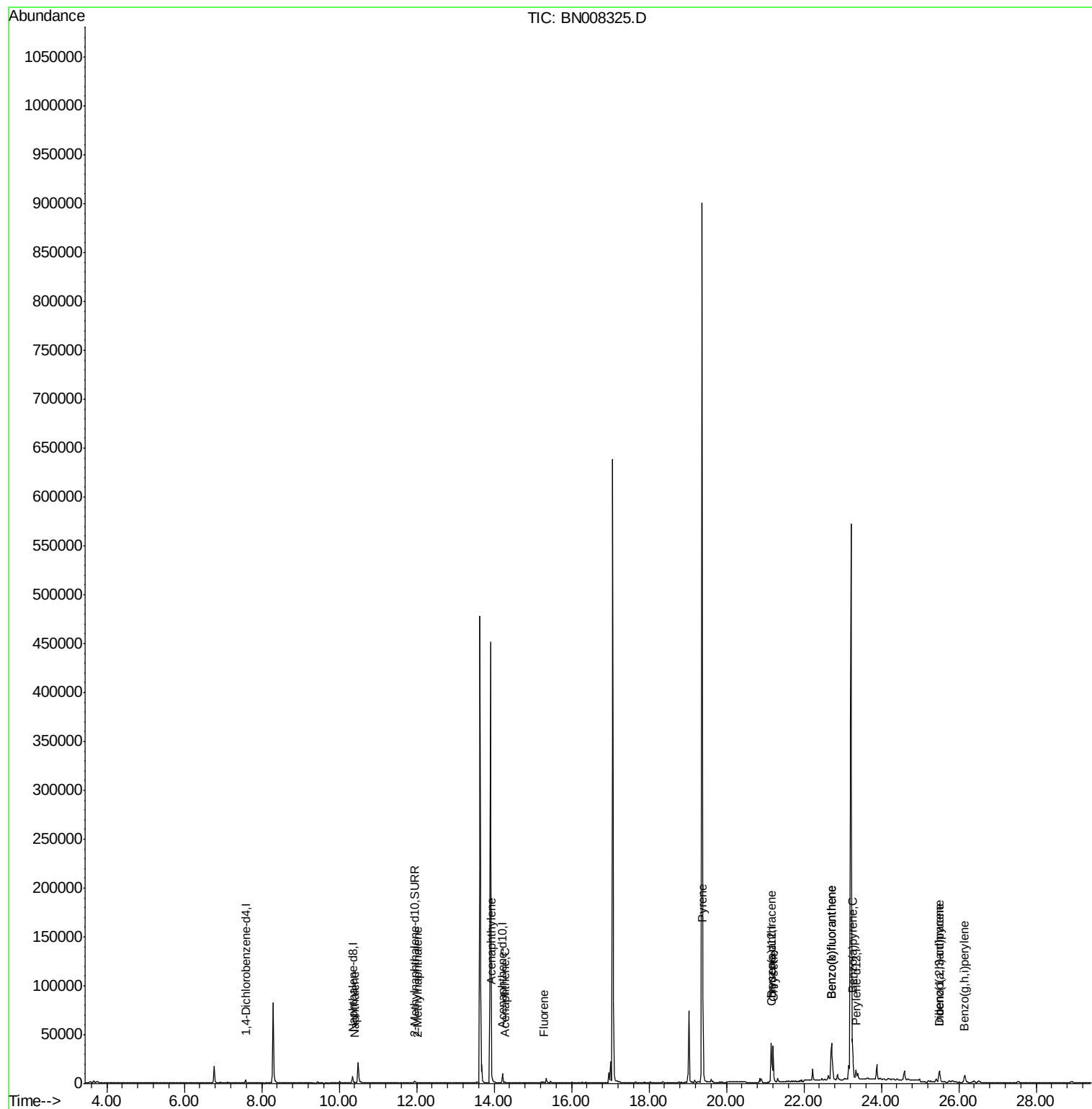
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.39	128	955	0.038	ng/ul#	81
5) 2-Methylnaphthalene	12.02	142	418	0.024	ng/ul	98
7) Acenaphthylene	13.94	152	1753	0.067	ng/ul#	80
8) Acenaphthene	14.28	153	865	0.043	ng/ul	96
9) Fluorene	15.27	166	987	0.043	ng/ul#	94
17) Pyrene	19.40	202	56701	1.223	ng/ul	99
18) Benzo(a)anthracene	21.16	228	33601	0.794	ng/ul	97
19) Chrysene	21.21	228	37124	0.715	ng/ul	98
21) Benzo(b)fluoranthene	22.70	252	63424	1.822	ng/ul	86
22) Benzo(k)fluoranthene	22.70	252	63424	1.608	ng/ul#	85
23) Benzo(a)pyrene	23.26	252	29977	0.818	ng/ul#	58
24) Indeno(1,2,3-cd)pyrene	25.50	276	18836	0.436	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.51	278	4824	0.141	ng/ul#	83
26) Benzo(g,h,i)perylene	26.15	276	14510	0.367	ng/ul	95

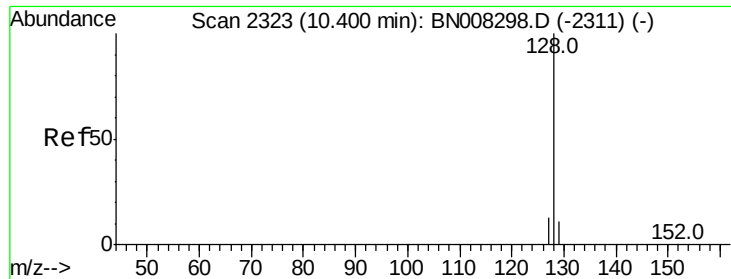
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.038 ng/ul

RT: 10.39 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BN008325.D

Acq: 22 Oct 2019 21:22

Instrument :

BNA_N

ClientSampleId :

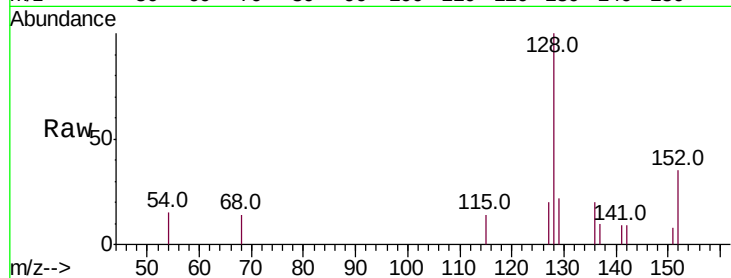
Tot Ion:128 Resp: 955

Ion Ratio Lower Upper

128 100

129 21.7 9.8 14.8#

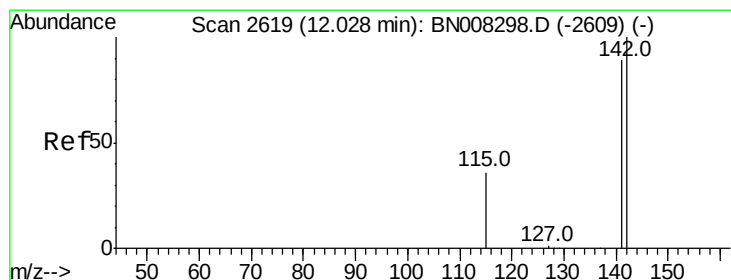
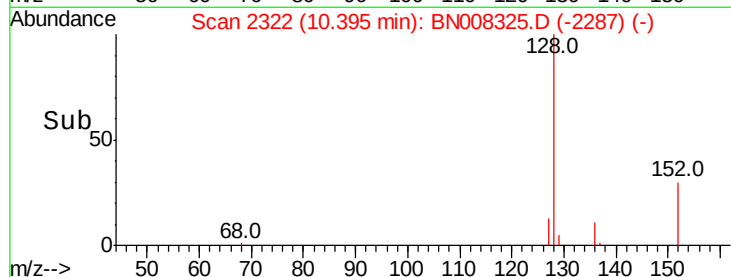
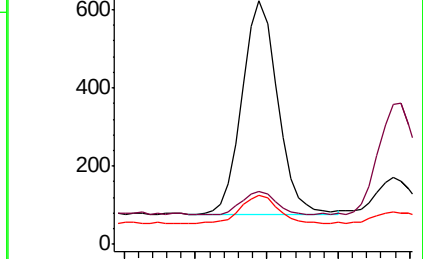
127 20.1 11.1 16.7#



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: 0.024 ng/ul

RT: 12.02 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BN008325.D

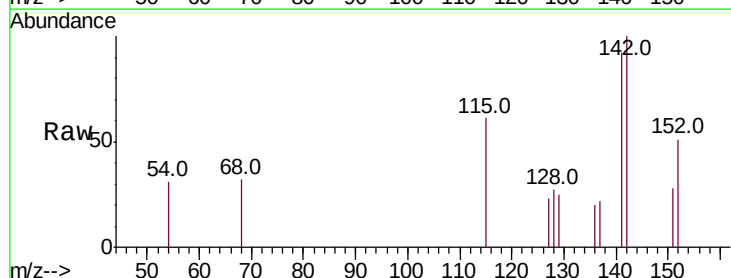
Acq: 22 Oct 2019 21:22

Tgt Ion:142 Resp: 418

Ion Ratio Lower Upper

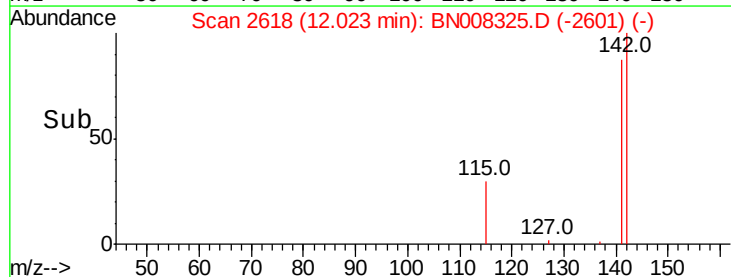
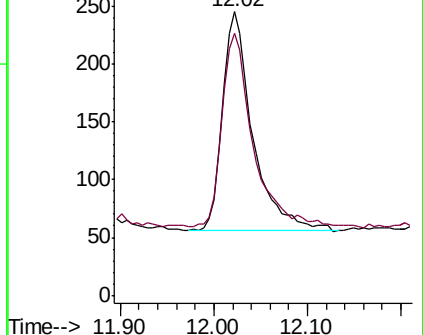
142 100

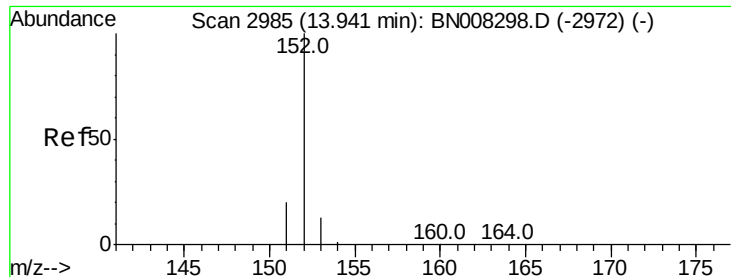
141 91.4 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.067 ng/ul

RT: 13.94 min Scan# 2984

Delta R.T. -0.01 min

Lab File: BN008325.D

Acq: 22 Oct 2019 21:22

Instrument :

BNA_N

ClientSampleId :

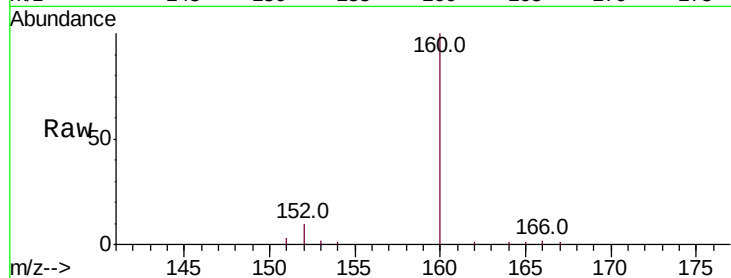
Tot Ion:152 Resp: 1753

Ion Ratio Lower Upper

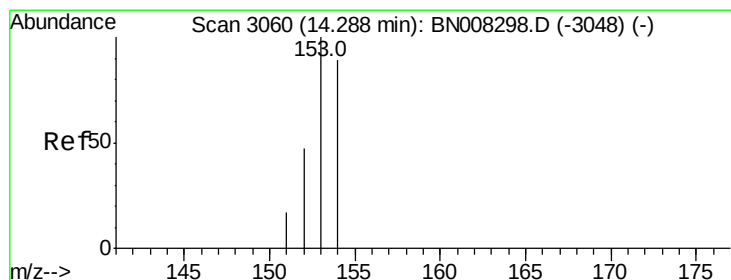
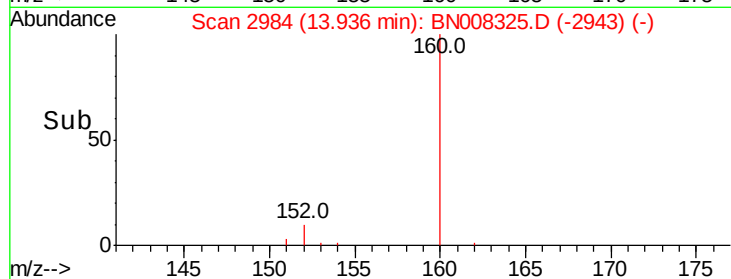
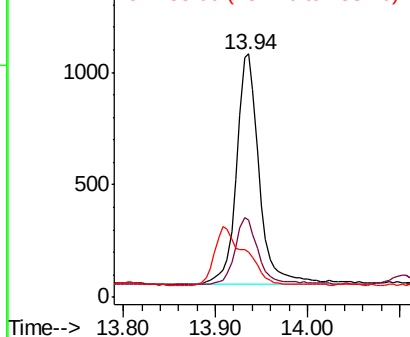
152 100

151 31.5 16.2 24.4#

153 18.8 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: 0.043 ng/ul

RT: 14.28 min Scan# 3058

Delta R.T. -0.01 min

Lab File: BN008325.D

Acq: 22 Oct 2019 21:22

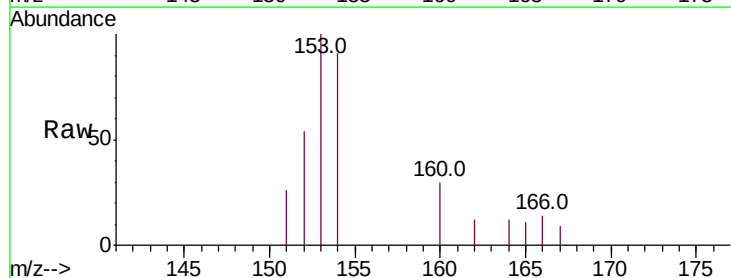
Tgt Ion:153 Resp: 865

Ion Ratio Lower Upper

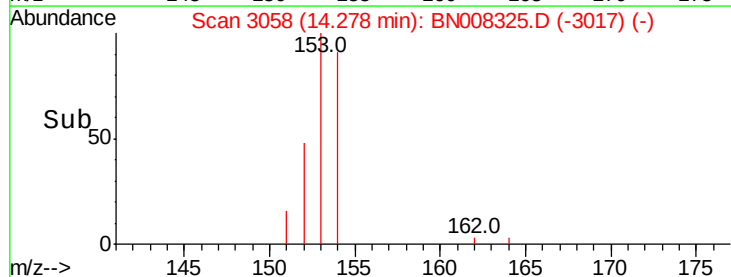
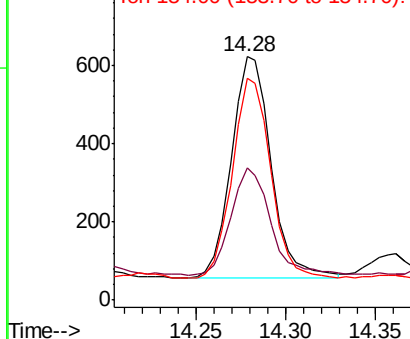
153 100

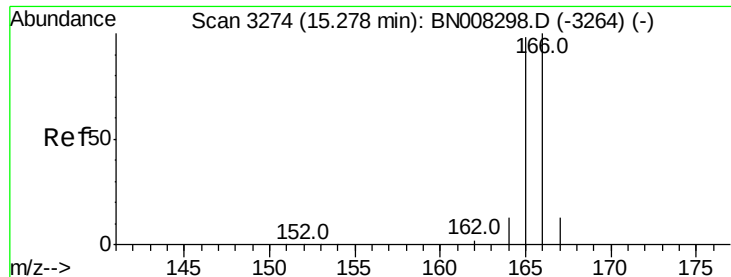
152 54.3 38.2 57.2

154 91.0 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





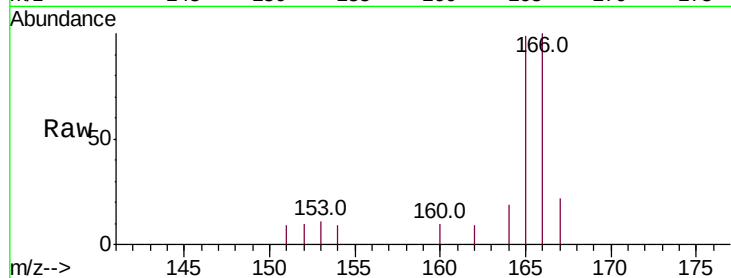
#9

Fluorene

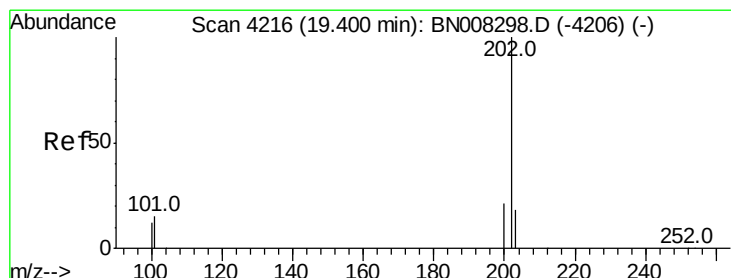
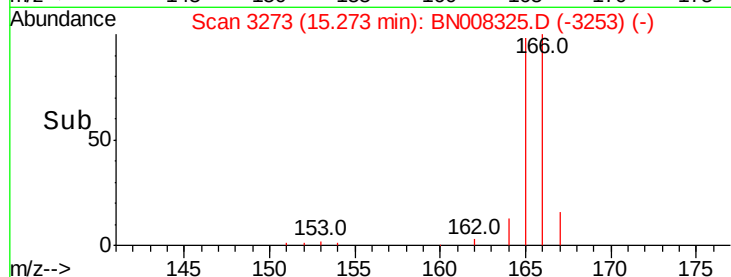
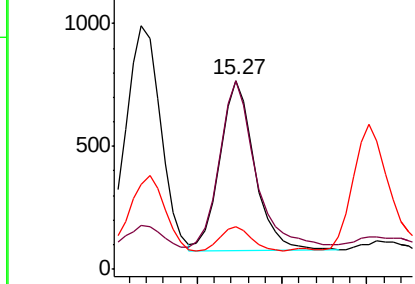
Concen: 0.043 ng/ul
 RT: 15.27 min Scan# 3273
 Delta R.T. -0.01 min
 Lab File: BN008325.D
 Acq: 22 Oct 2019 21:22

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:166 Resp: 987
 Ion Ratio Lower Upper
 166 100
 165 99.5 76.6 115.0
 167 22.4 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

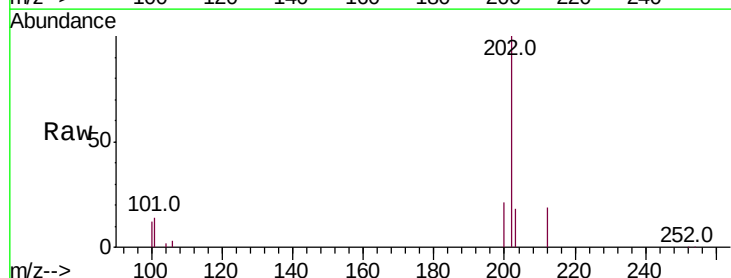


#17

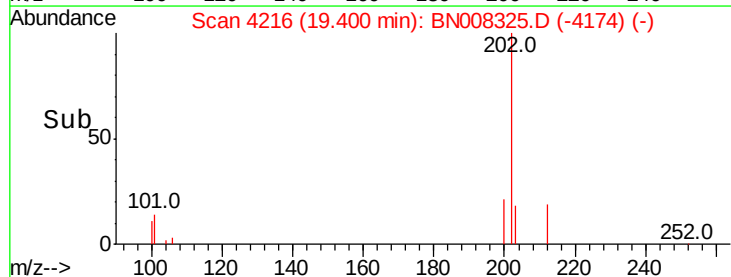
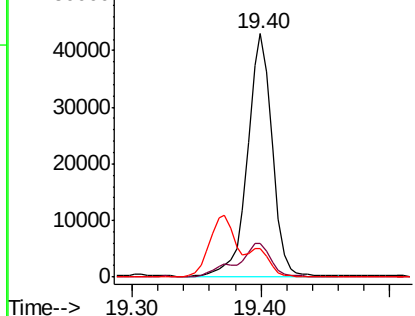
Pyrene

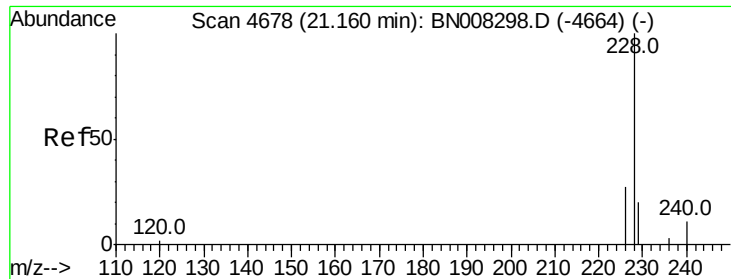
Concen: 1.223 ng/ul
 RT: 19.40 min Scan# 4216
 Delta R.T. -0.00 min
 Lab File: BN008325.D
 Acq: 22 Oct 2019 21:22

Tgt Ion:202 Resp: 56701
 Ion Ratio Lower Upper
 202 100
 101 14.0 10.9 16.3
 100 11.6 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: 0.794 ng/ul

RT: 21.16 min Scan# 4677

Delta R.T. -0.01 min

Lab File: BN008325.D

Acq: 22 Oct 2019 21:22

Instrument :

BNA_N

ClientSampleId :

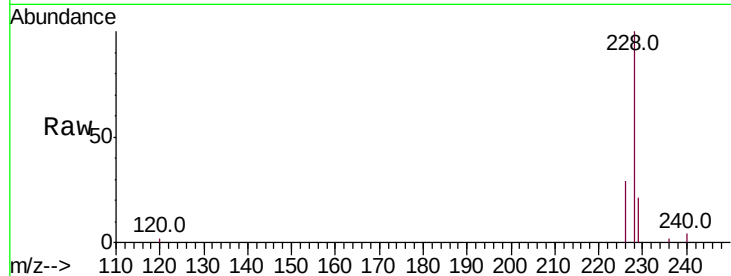
Tot Ion:228 Resp: 33601

Ion Ratio Lower Upper

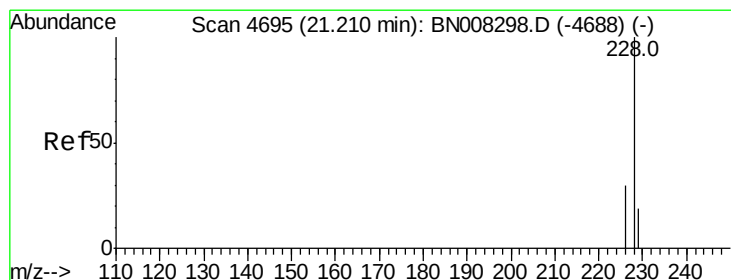
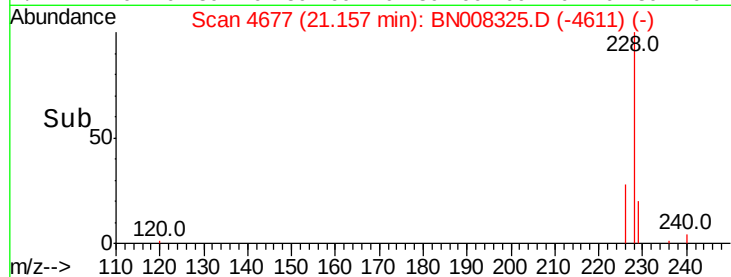
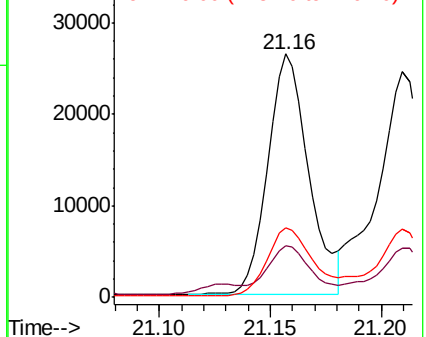
228 100

229 21.1 16.2 24.2

226 28.7 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: 0.715 ng/ul

RT: 21.21 min Scan# 4695

Delta R.T. -0.01 min

Lab File: BN008325.D

Acq: 22 Oct 2019 21:22

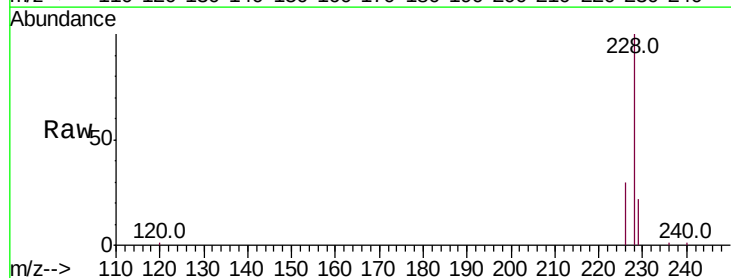
Tgt Ion:228 Resp: 37124

Ion Ratio Lower Upper

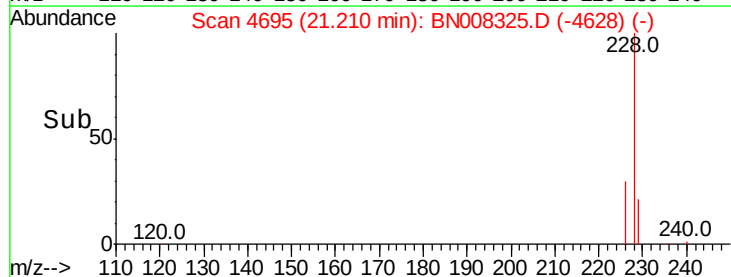
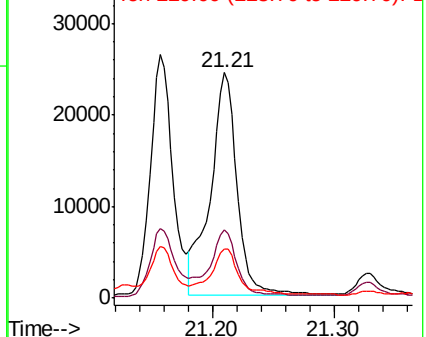
228 100

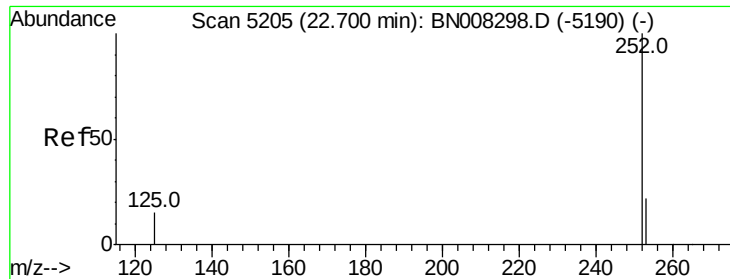
226 30.2 24.1 36.1

229 22.0 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: 1.822 ng/ul

RT: 22.70 min Scan# 5206

Delta R.T. -0.01 min

Lab File: BN008325.D

Acq: 22 Oct 2019 21:22

Instrument :

BNA_N

ClientSampleId :

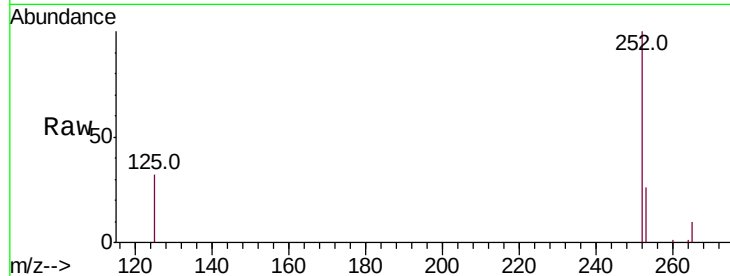
Tot Ion:252 Resp: 63424

Ion Ratio Lower Upper

252 100

253 26.3 0.0 53.4

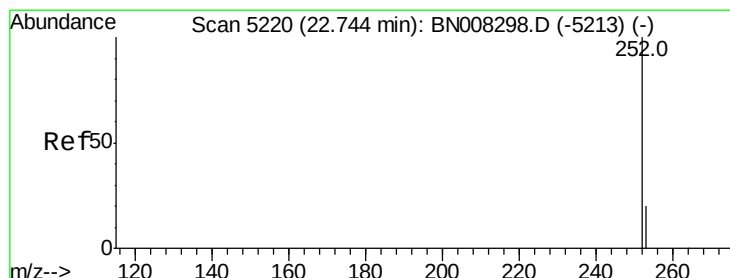
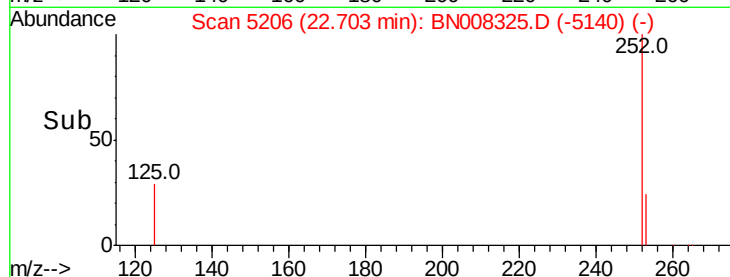
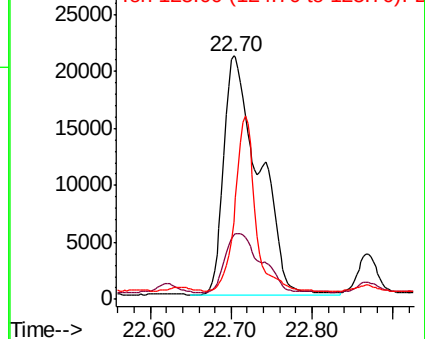
125 31.6 0.0 32.4



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: 1.608 ng/ul

RT: 22.70 min Scan# 5206

Delta R.T. -0.05 min

Lab File: BN008325.D

Acq: 22 Oct 2019 21:22

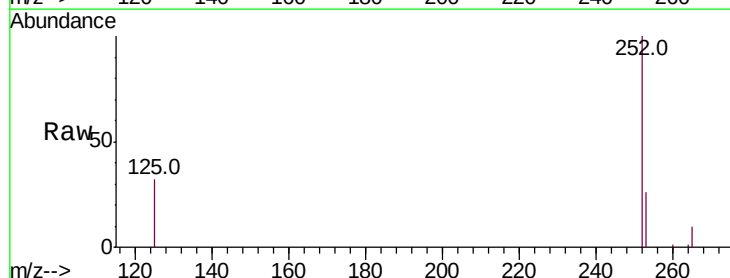
Tgt Ion:252 Resp: 63424

Ion Ratio Lower Upper

252 100

253 26.3 21.3 31.9

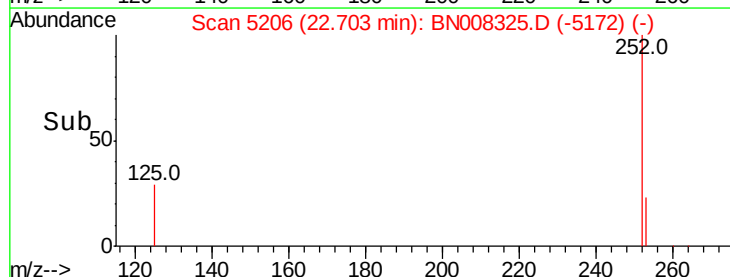
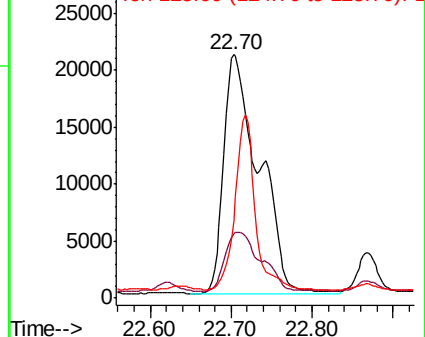
125 31.6 12.3 18.5#

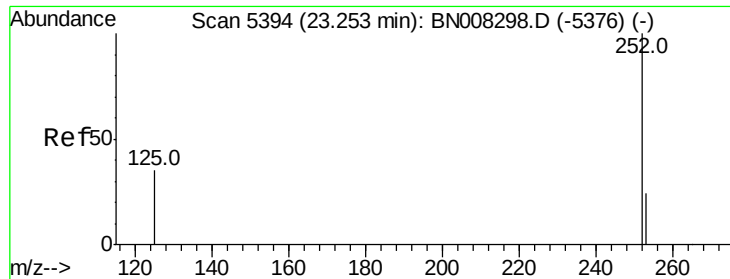


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.818 ng/ul

RT: 23.26 min Scan# 5395

Delta R.T. -0.01 min

Lab File: BN008325.D

Acq: 22 Oct 2019 21:22

Instrument :

BNA_N

ClientSampleId :

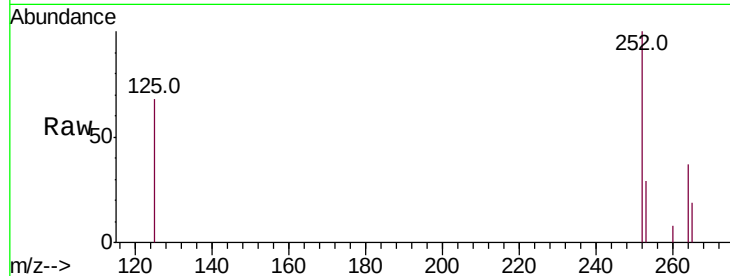
Tot Ion:252 Resp: 29977

Ion Ratio Lower Upper

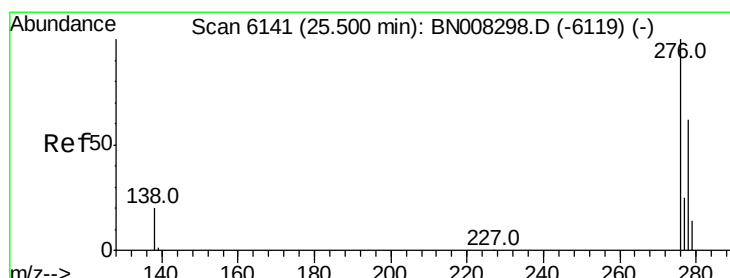
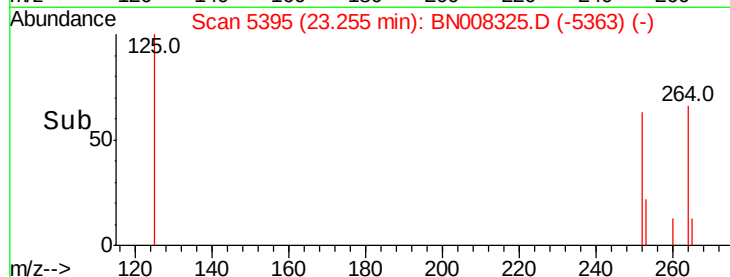
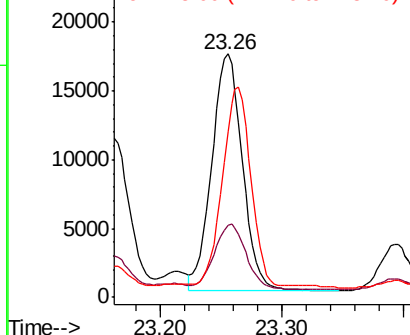
252 100

253 29.3 22.8 34.2

125 67.9 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: 0.436 ng/ul

RT: 25.50 min Scan# 6141

Delta R.T. -0.01 min

Lab File: BN008325.D

Acq: 22 Oct 2019 21:22

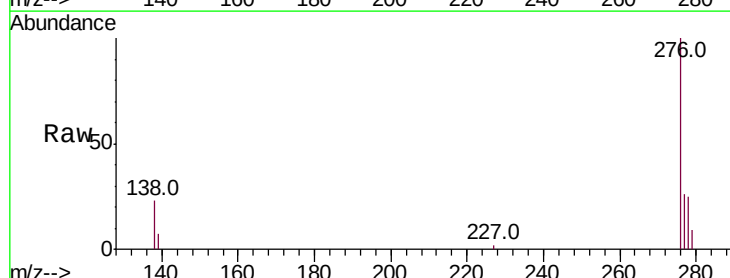
Tgt Ion:276 Resp: 18836

Ion Ratio Lower Upper

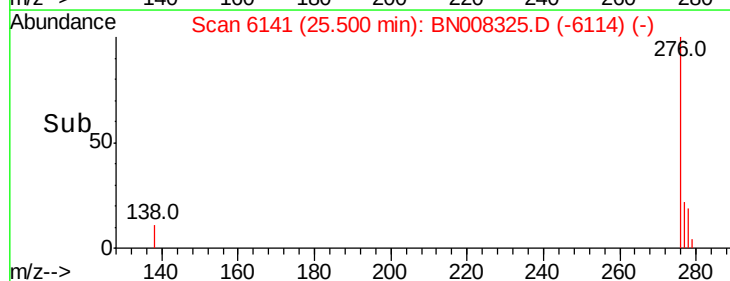
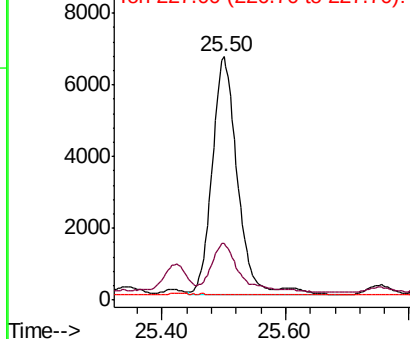
276 100

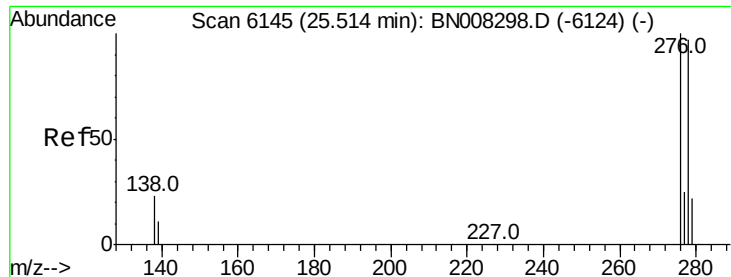
138 23.2 16.1 24.1

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

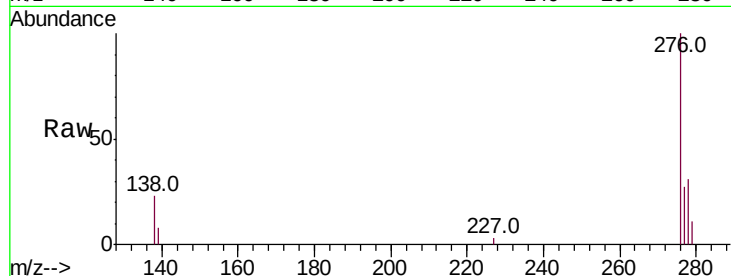




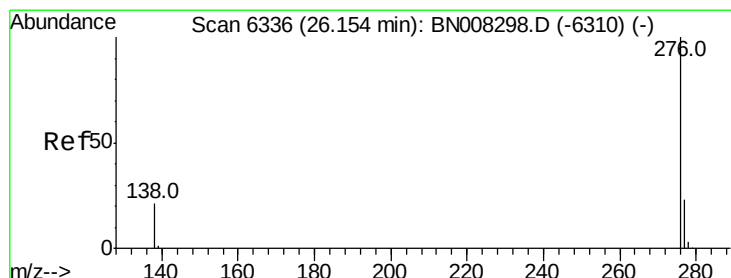
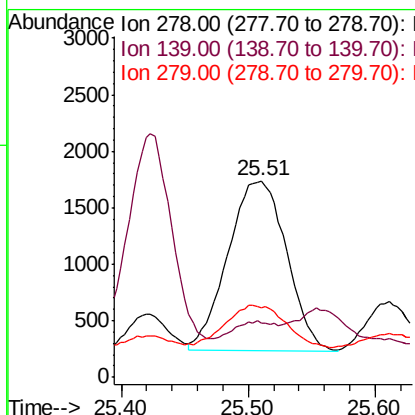
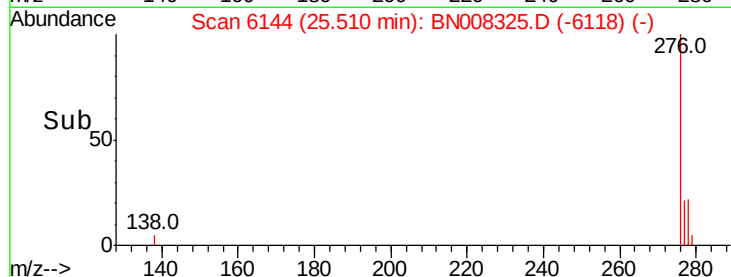
#25
Dibenzo(a,h)anthracene
Concen: 0.141 ng/ul
RT: 25.51 min Scan# 6144
Delta R.T. -0.01 min
Lab File: BN008325.D
Acq: 22 Oct 2019 21:22

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 4824
Ion Ratio Lower Upper
278 100
139 27.5 15.0 22.6#
279 35.7 22.4 33.6#

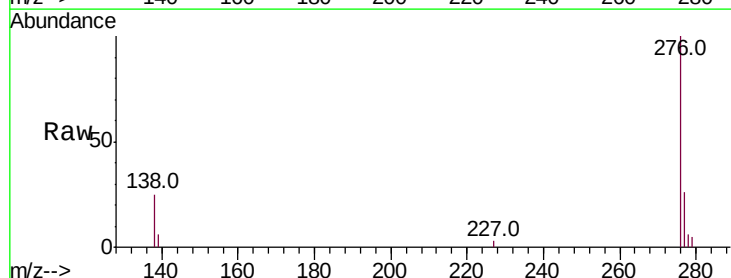


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.367 ng/ul
RT: 26.15 min Scan# 6336
Delta R.T. -0.01 min
Lab File: BN008325.D
Acq: 22 Oct 2019 21:22

Tgt Ion:276 Resp: 14510
Ion Ratio Lower Upper
276 100
138 25.0 17.0 25.4
277 26.3 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

