

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
 Data File : BN008235.D
 Acq On : 17 Oct 2019 23:34
 Operator : JU
 Sample : K5177-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 18 01:59:46 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 : Thu Oct 17 01:48:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	2895	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	13911	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	8547	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-16.99
16) Chrysene-d12	21.19	240	13788	0.40	ng/ul	0.00
20) Perylene-d12	23.37	264	11375	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	3680	0.16	ng/ul	0.00
14) Fluoranthene-d10	19.02	212	10046	0.00	ng/ul	0.00

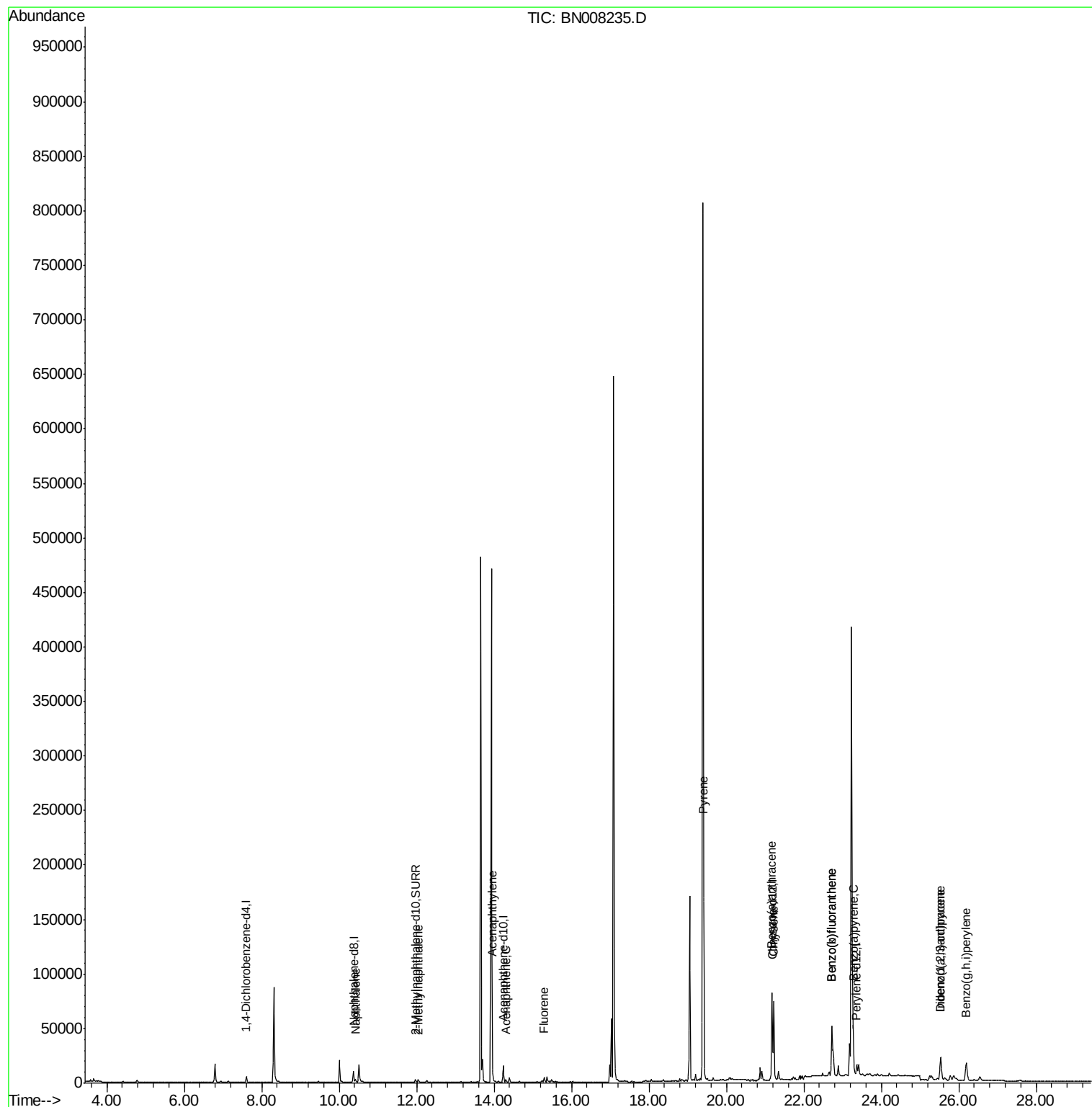
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	3693	0.093	ng/ul#	95
5) 2-Methylnaphthalene	12.04	142	2001	0.074	ng/ul	99
7) Acenaphthylene	13.95	152	7957	0.195	ng/ul	99
8) Acenaphthene	14.30	153	1747	0.055	ng/ul	97
9) Fluorene	15.29	166	2773	0.077	ng/ul#	95
17) Pyrene	19.41	202	134511	2.450	ng/ul	98
18) Benzo(a)anthracene	21.17	228	67463	1.346	ng/ul	95
19) Chrysene	21.22	228	73169	1.189	ng/ul	97
21) Benzo(b)fluoranthene	22.72	252	100887	2.725	ng/ul	97
22) Benzo(k)fluoranthene	22.72	252	100887	2.405	ng/ul	98
23) Benzo(a)pyrene	23.27	252	52145	1.338	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.53	276	33942	0.740	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.54	278	8630	0.238	ng/ul#	79
26) Benzo(g,h,i)perylene	26.19	276	34216	0.813	ng/ul	98

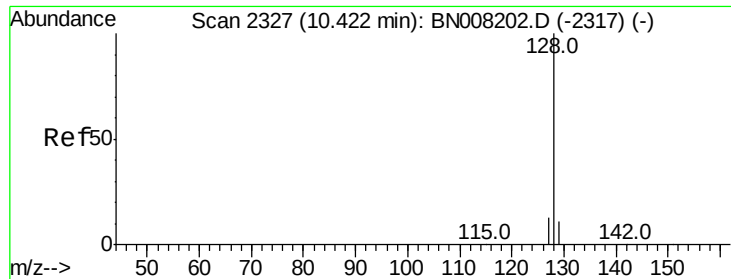
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.093 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. -0.01 min

Lab File: BN008235.D

Acq: 17 Oct 2019 23:34

Instrument :

BNA_N

ClientSampleId :

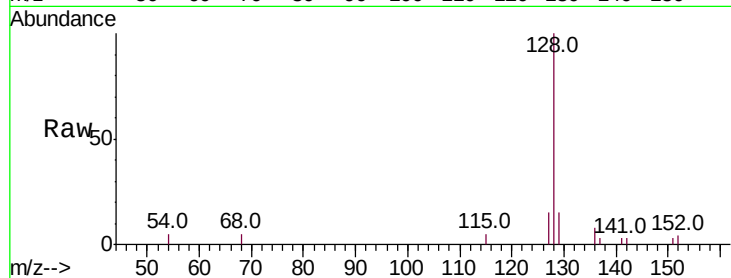
Tot Ion:128 Resp: 3693

Ion Ratio Lower Upper

128 100

129 15.0 9.8 14.8#

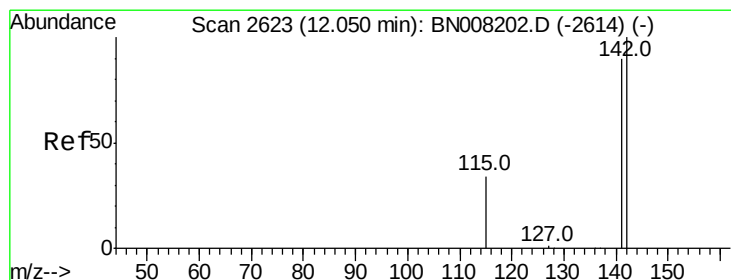
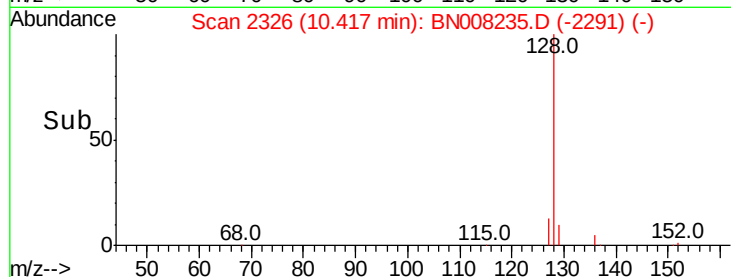
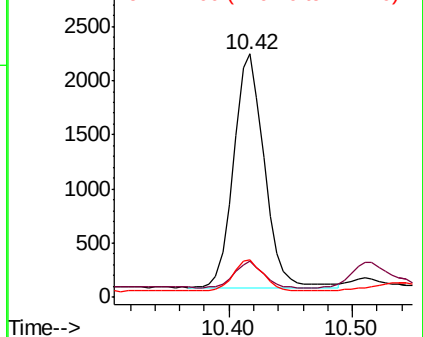
127 15.2 11.1 16.7



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: 0.074 ng/ul

RT: 12.04 min Scan# 2622

Delta R.T. -0.01 min

Lab File: BN008235.D

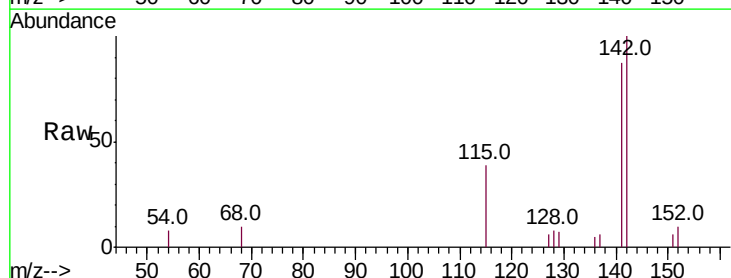
Acq: 17 Oct 2019 23:34

Tgt Ion:142 Resp: 2001

Ion Ratio Lower Upper

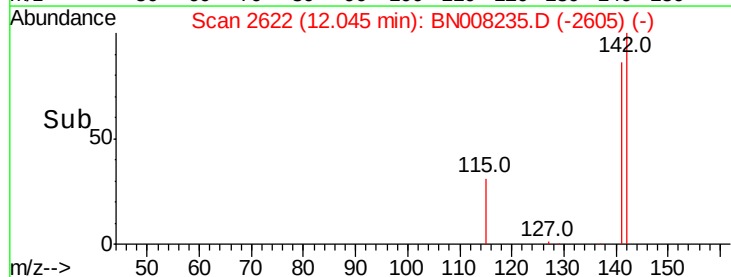
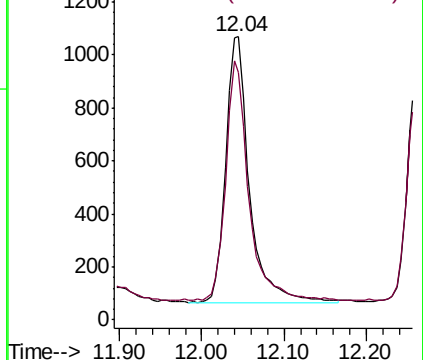
142 100

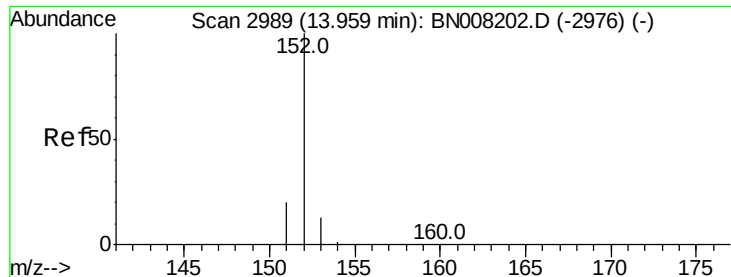
141 87.9 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.195 ng/ul

RT: 13.95 min Scan# 2988

Delta R.T. -0.00 min

Lab File: BN008235.D

Acq: 17 Oct 2019 23:34

Instrument :

BNA_N

ClientSampleId :

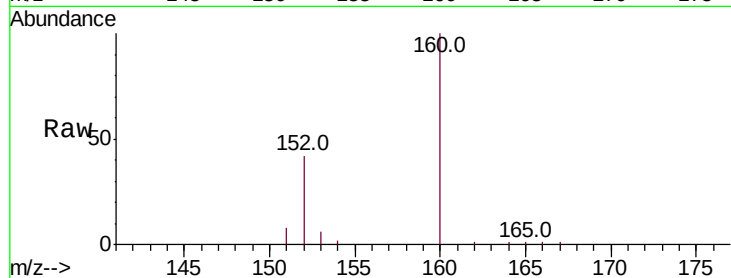
Tot Ion:152 Resp: 7957

Ion Ratio Lower Upper

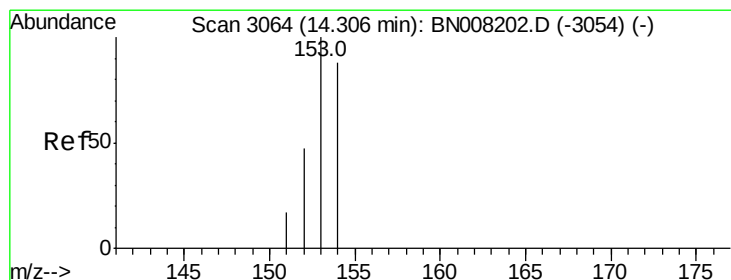
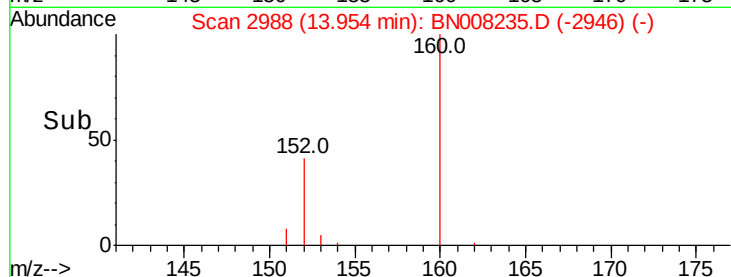
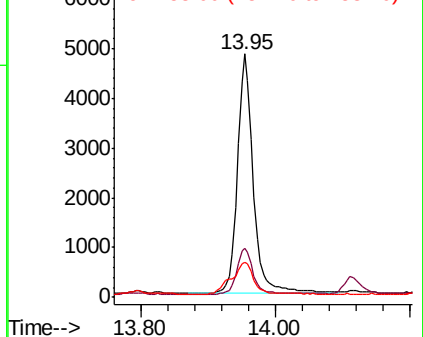
152 100

151 20.3 16.2 24.4

153 14.5 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: 0.055 ng/ul

RT: 14.30 min Scan# 3063

Delta R.T. -0.00 min

Lab File: BN008235.D

Acq: 17 Oct 2019 23:34

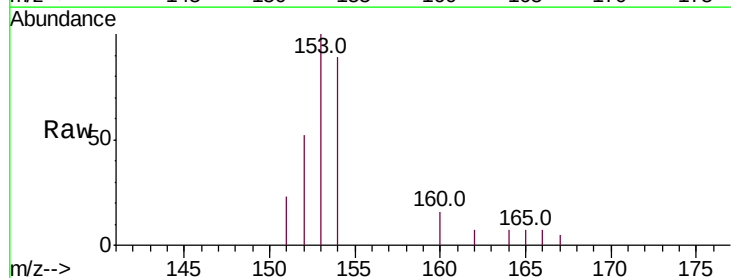
Tgt Ion:153 Resp: 1747

Ion Ratio Lower Upper

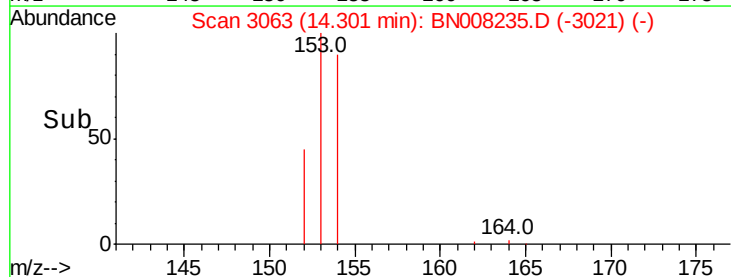
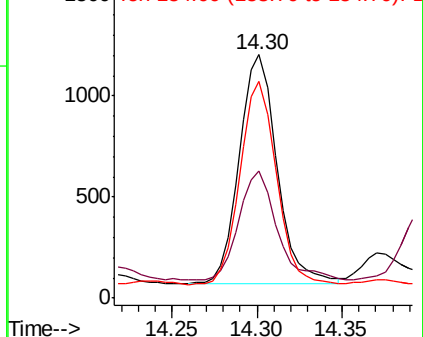
153 100

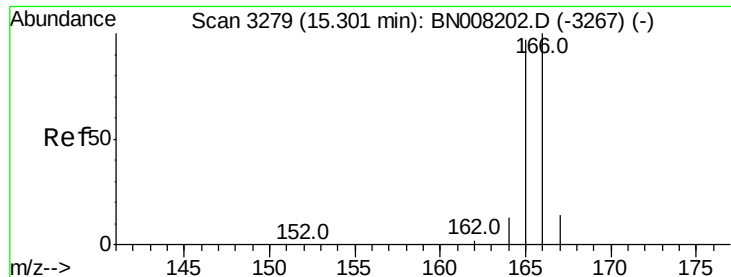
152 52.2 38.2 57.2

154 89.2 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

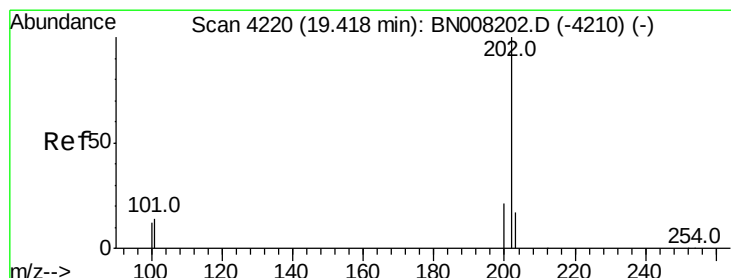
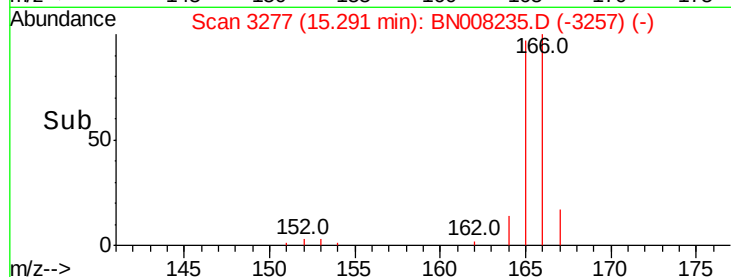
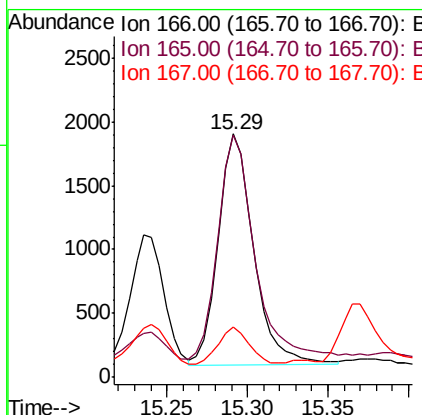
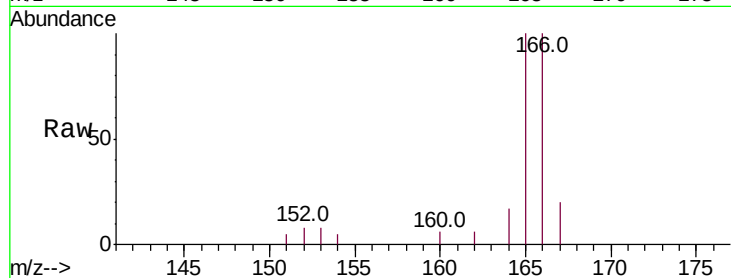




#9
Fluorene
 Concen: 0.077 ng/ul
 RT: 15.29 min Scan# 3277
 Delta R.T. -0.01 min
 Lab File: BN008235.D
 Acq: 17 Oct 2019 23:34

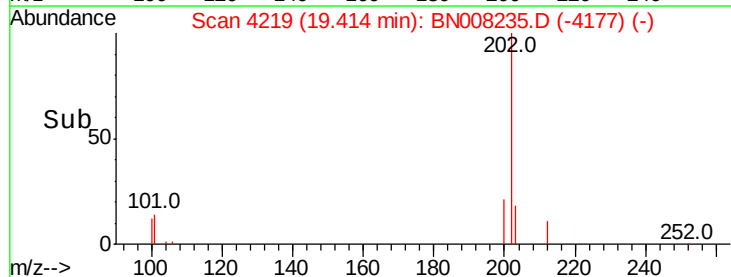
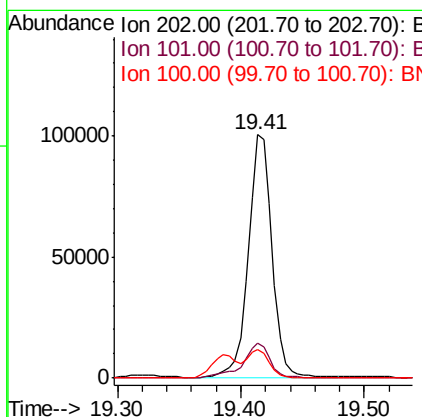
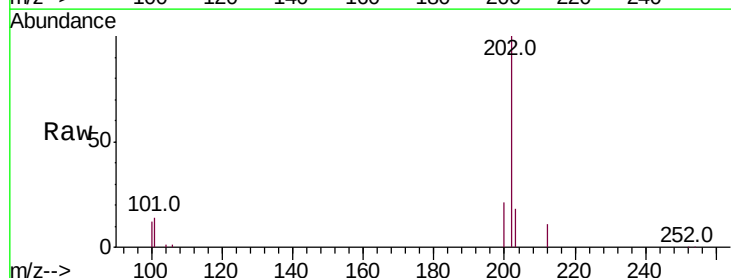
Instrument :
 BNA_N
 ClientSampleId :

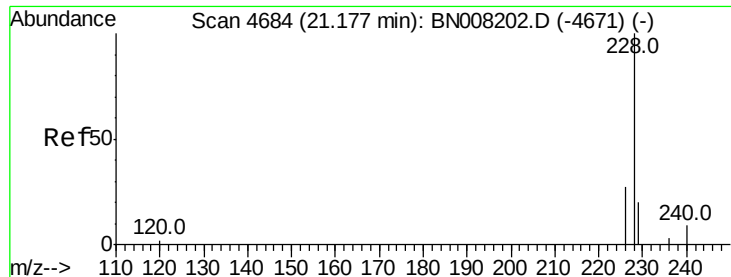
Tot Ion:166 Resp: 2773
 Ion Ratio Lower Upper
 166 100
 165 99.6 76.6 115.0
 167 20.5 11.7 17.5#



#17
Pyrene
 Concen: 2.450 ng/ul
 RT: 19.41 min Scan# 4219
 Delta R.T. -0.00 min
 Lab File: BN008235.D
 Acq: 17 Oct 2019 23:34

Tgt Ion:202 Resp: 134511
 Ion Ratio Lower Upper
 202 100
 101 14.3 10.9 16.3
 100 11.8 8.7 13.1





#18

Benzo(a)anthracene

Concen: 1.346 ng/ul

RT: 21.17 min Scan# 4682

Delta R.T. -0.01 min

Lab File: BN008235.D

Acq: 17 Oct 2019 23:34

Instrument :

BNA_N

ClientSampleId :

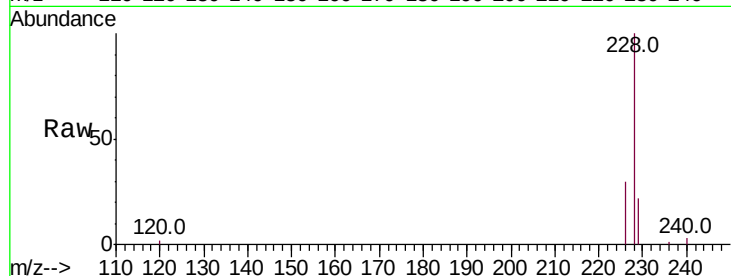
Tot Ion:228 Resp: 67463

Ion Ratio Lower Upper

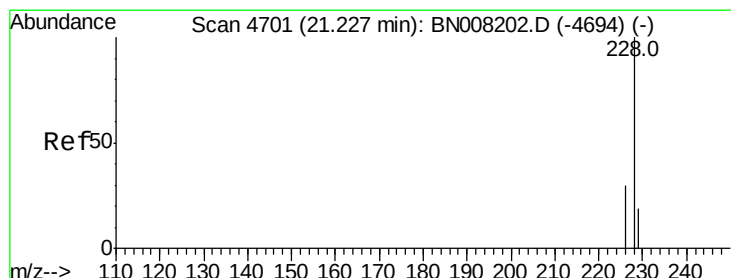
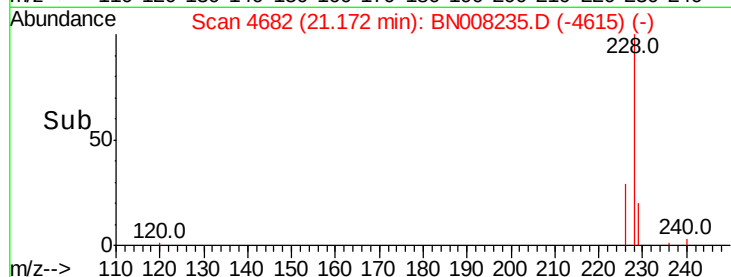
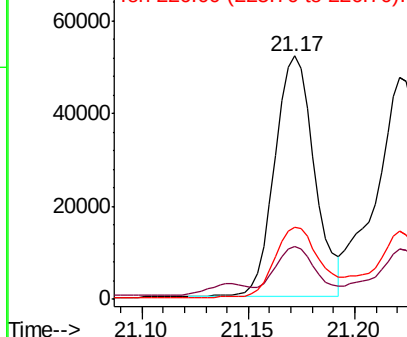
228 100

229 21.7 16.2 24.2

226 29.5 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: 1.189 ng/ul

RT: 21.22 min Scan# 4699

Delta R.T. -0.01 min

Lab File: BN008235.D

Acq: 17 Oct 2019 23:34

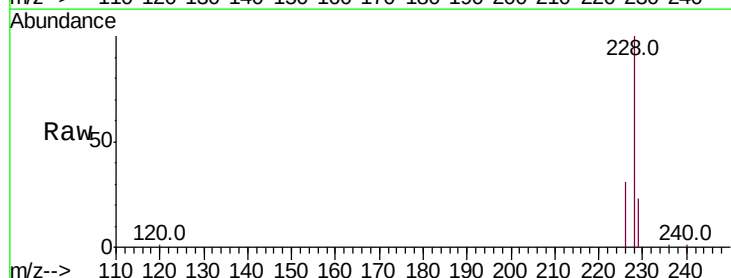
Tgt Ion:228 Resp: 73169

Ion Ratio Lower Upper

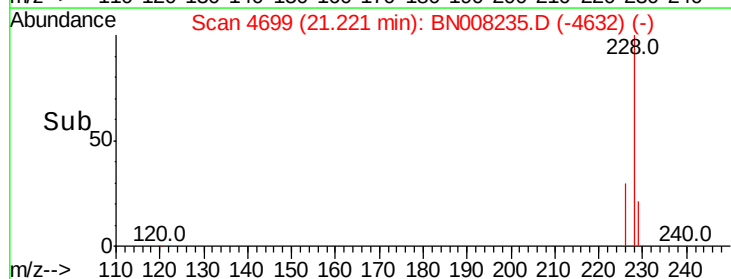
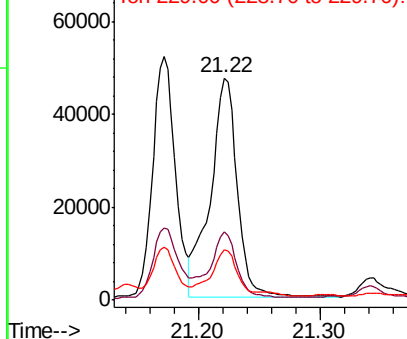
228 100

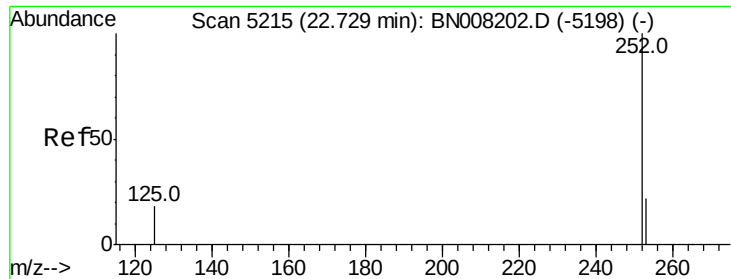
226 30.8 24.1 36.1

229 22.6 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: 2.725 ng/ul

RT: 22.72 min Scan# 5212

Delta R.T. -0.01 min

Lab File: BN008235.D

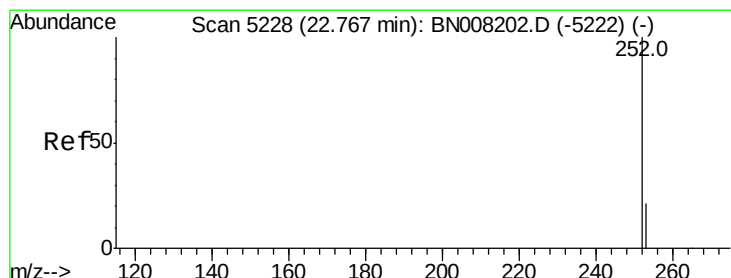
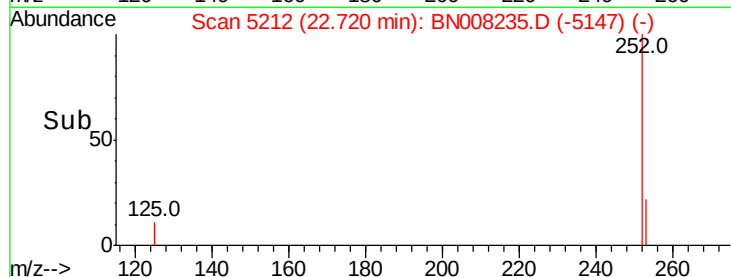
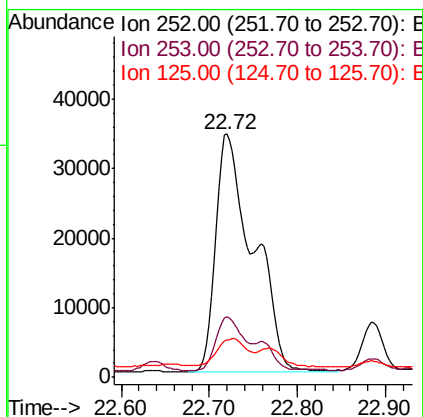
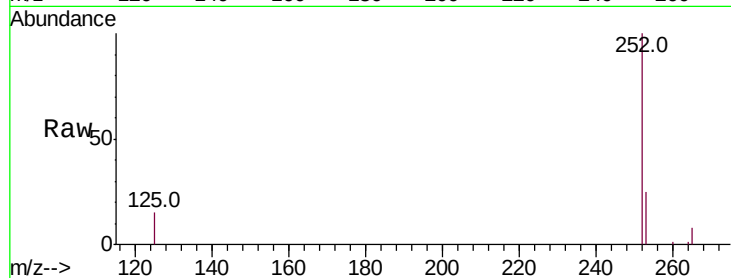
Acq: 17 Oct 2019 23:34

Instrument :

BNA_N

ClientSampleId :

Tot Ion:252	Resp:	100887
Ion Ratio	Lower	Upper
252	100	
253	24.7	0.0 53.4
125	15.2	0.0 32.4



#22

Benzo(k)fluoranthene

Concen: 2.405 ng/ul

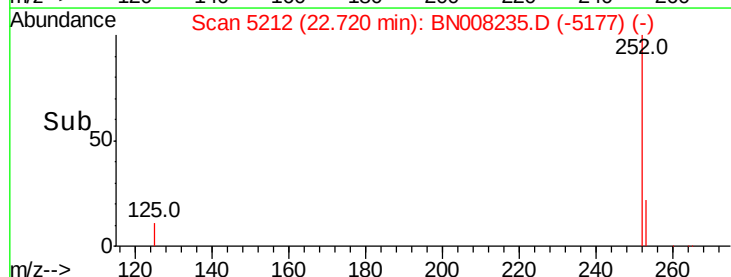
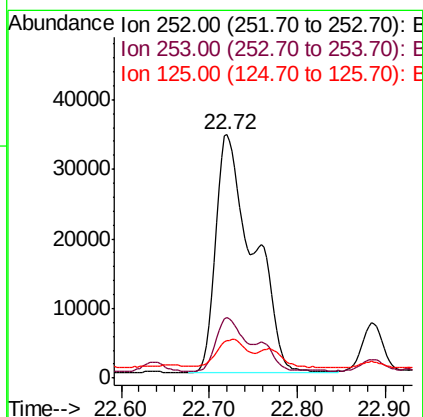
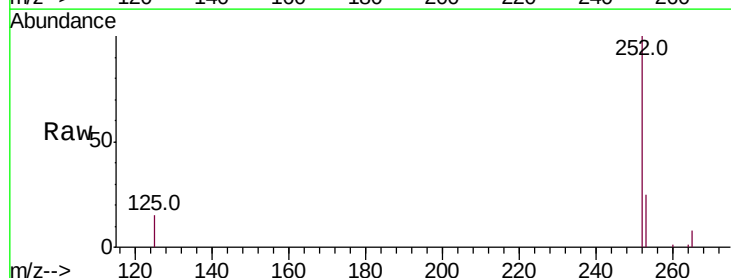
RT: 22.72 min Scan# 5212

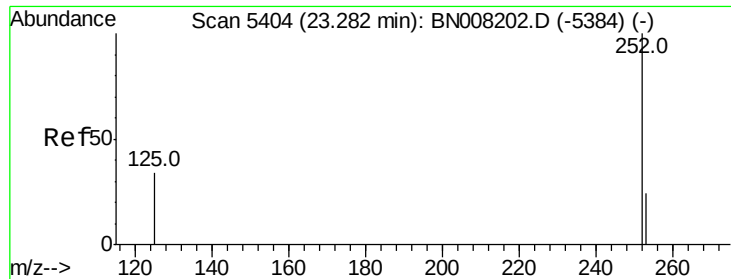
Delta R.T. -0.05 min

Lab File: BN008235.D

Acq: 17 Oct 2019 23:34

Tgt Ion:252	Resp:	100887
Ion Ratio	Lower	Upper
252	100	
253	24.7	21.3 31.9
125	15.2	12.3 18.5





#23

Benzo(a)pyrene

Concen: 1.338 ng/ul

RT: 23.27 min Scan# 5401

Delta R.T. -0.01 min

Lab File: BN008235.D

Acq: 17 Oct 2019 23:34

Instrument :

BNA_N

ClientSampleId :

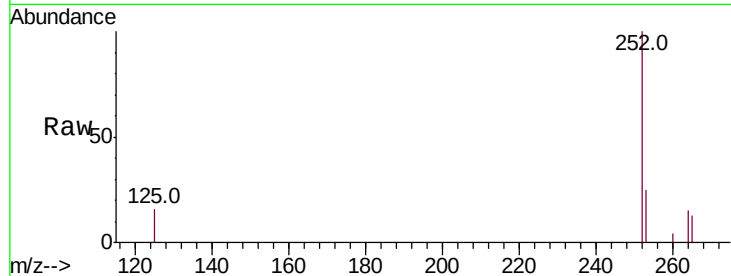
Tot Ion:252 Resp: 52145

Ion Ratio Lower Upper

252 100

253 25.1 22.8 34.2

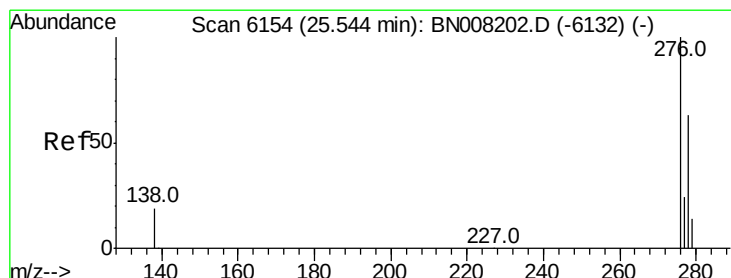
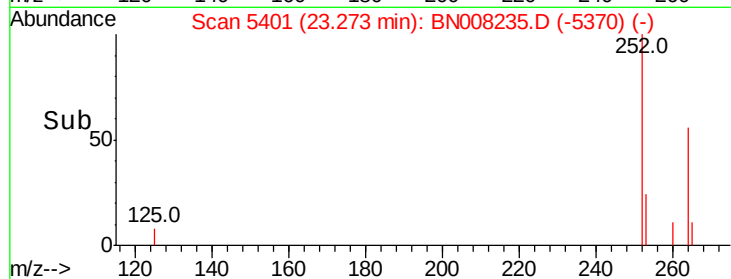
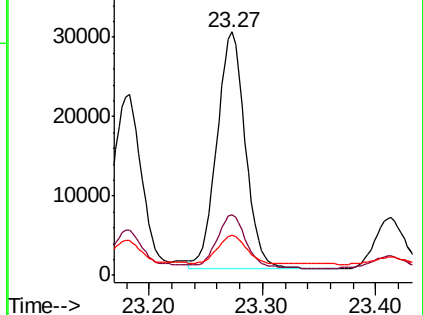
125 16.4 18.4 27.6#



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: 0.740 ng/ul

RT: 25.53 min Scan# 6150

Delta R.T. -0.01 min

Lab File: BN008235.D

Acq: 17 Oct 2019 23:34

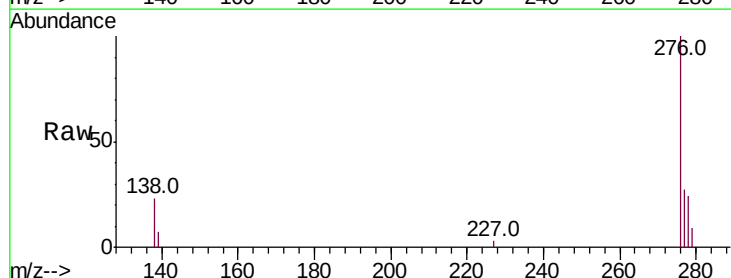
Tgt Ion:276 Resp: 33942

Ion Ratio Lower Upper

276 100

138 19.3 16.1 24.1

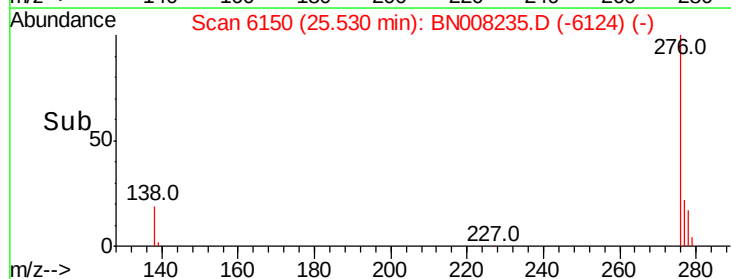
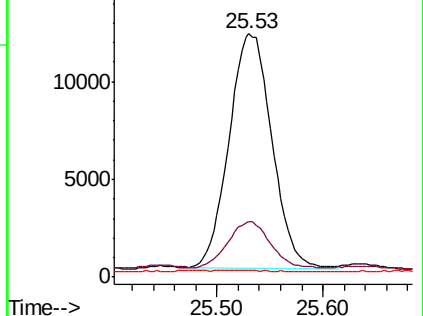
227 0.0 0.2 0.2#

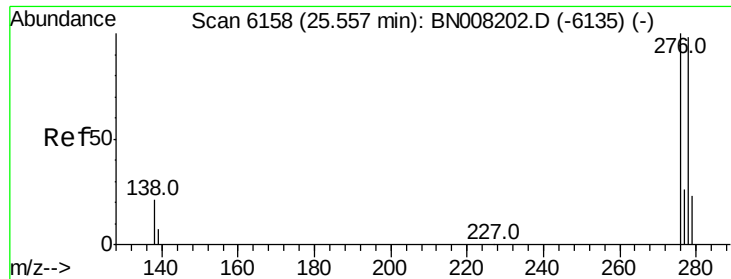


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

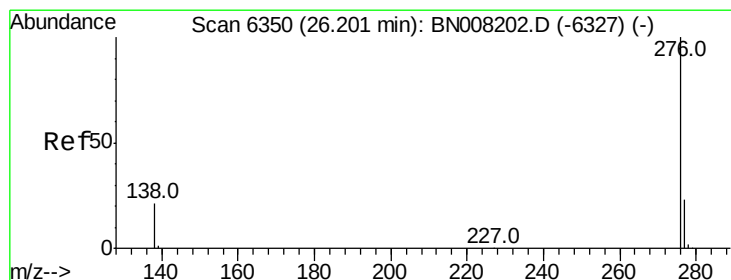
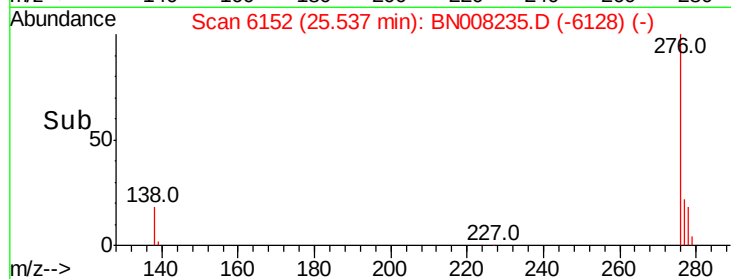
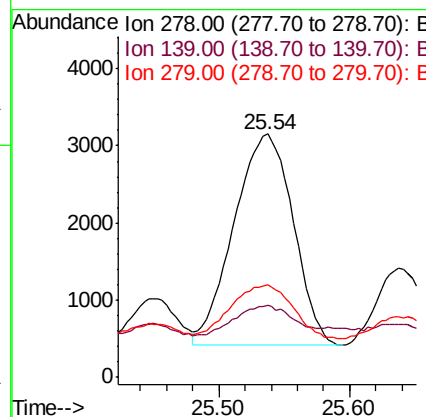
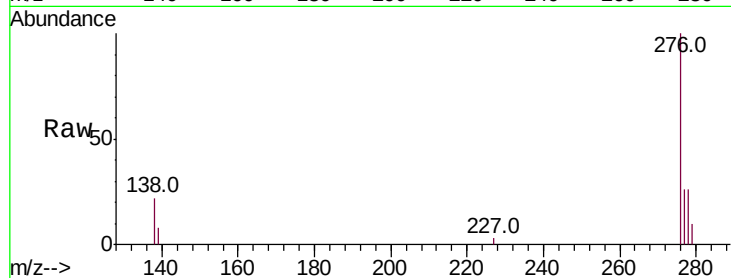




#25
Dibenzo(a,h)anthracene
Concen: 0.238 ng/ul
RT: 25.54 min Scan# 6152
Delta R.T. -0.02 min
Lab File: BN008235.D
Acq: 17 Oct 2019 23:34

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 8630
Ion Ratio Lower Upper
278 100
139 29.5 15.0 22.6#
279 38.0 22.4 33.6#



#26
Benzo(g,h,i)perylene
Concen: 0.813 ng/ul
RT: 26.19 min Scan# 6347
Delta R.T. -0.01 min
Lab File: BN008235.D
Acq: 17 Oct 2019 23:34

Tgt Ion:276 Resp: 34216
Ion Ratio Lower Upper
276 100
138 22.7 17.0 25.4
277 25.8 20.4 30.6

