

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121919\
 Data File : BN009052.D
 Acq On : 20 Dec 2019 04:59
 Operator : JU
 Sample : K6171-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 20 06:27:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 19 15:54:16 2019
 Response via : Initial Calibration

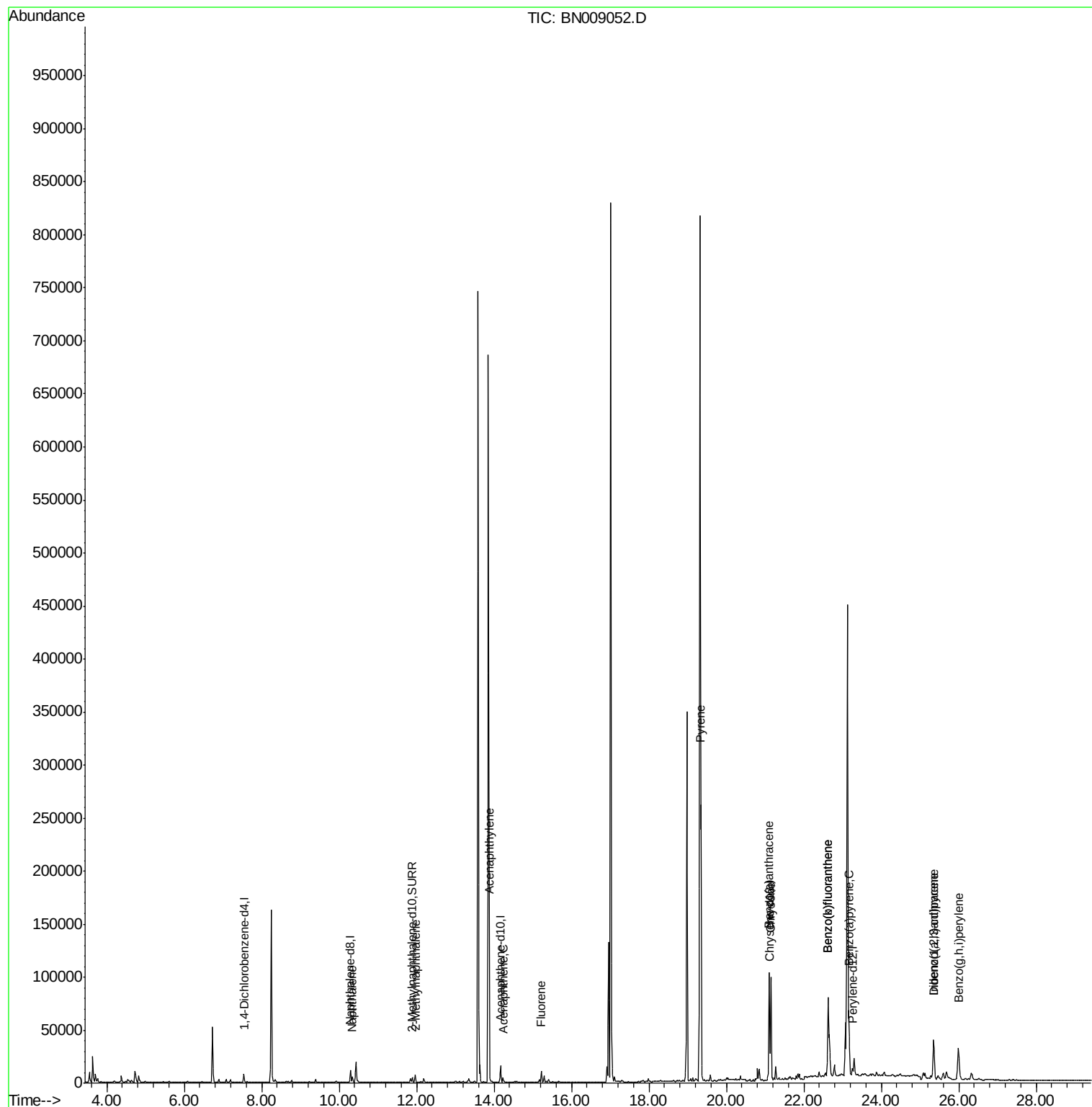
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	3623	0.40	ng/ul	0.00
2) Naphthalene-d8	10.29	136	13971	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.17	164	7991	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-16.92
16) Chrysene-d12	21.12	240	8742	0.40	ng/ul	0.00
20) Perylene-d12	23.25	264	8120	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.89	152	5949	0.24	ng/ul	0.00
14) Fluoranthene-d10	18.94	212	11360	0.00	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.34	128	6416	0.151	ng/ul	98
5) 2-Methylnaphthalene	11.96	142	5009	0.156	ng/ul	99
7) Acenaphthylene	13.88	152	5713	0.136	ng/ul	96
8) Acenaphthene	14.23	153	2558	0.078	ng/ul	99
9) Fluorene	15.22	166	6348	0.163	ng/ul#	98
17) Pyrene	19.34	202	214551	4.811	ng/ul	96
18) Benzo(a)anthracene	21.10	228	84301	2.172	ng/ul	96
19) Chrysene	21.15	228	95044	2.436	ng/ul	96
21) Benzo(b)fluoranthene	22.62	252	151857	4.005	ng/ul	98
22) Benzo(k)fluoranthene	22.62	252	151857	3.972	ng/ul	98
23) Benzo(a)pyrene	23.16	252	74316	2.237	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.35	276	54234	1.499	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.36	278	12978	0.451	ng/ul#	79
26) Benzo(g,h,i)perylene	25.99	276	58261	1.911	ng/ul	99

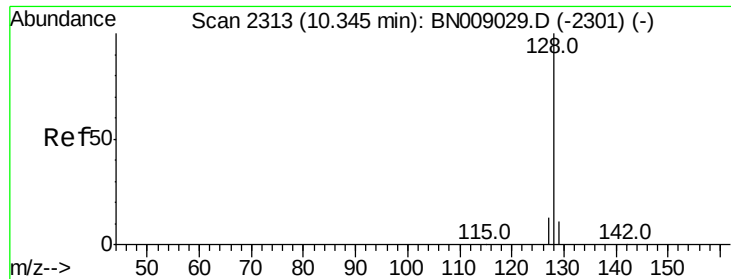
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.151 ng/ul

RT: 10.34 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BN009052.D

Acq: 20 Dec 2019 04:59

Instrument :

BNA_N

ClientSampleId :

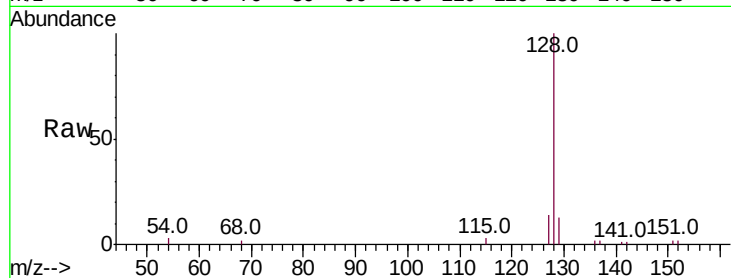
Tot Ion:128 Resp: 6416

Ion Ratio Lower Upper

128 100

129 12.5 9.0 13.4

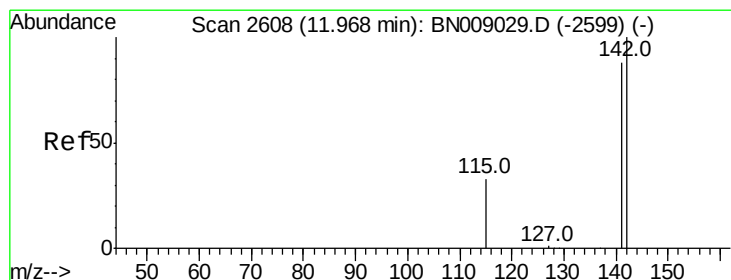
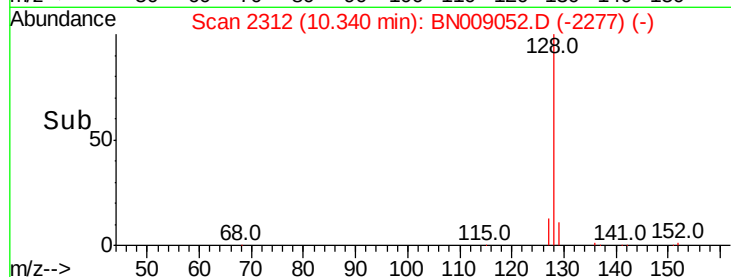
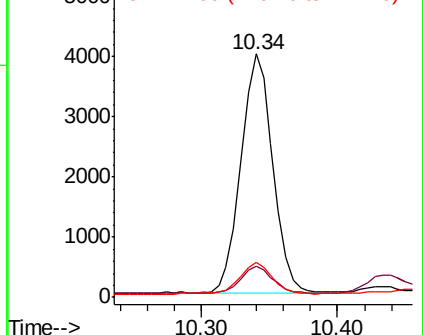
127 14.1 10.9 16.3



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: 0.156 ng/ul

RT: 11.96 min Scan# 2607

Delta R.T. -0.01 min

Lab File: BN009052.D

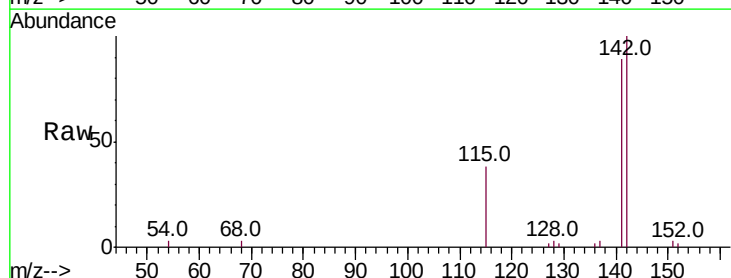
Acq: 20 Dec 2019 04:59

Tgt Ion:142 Resp: 5009

Ion Ratio Lower Upper

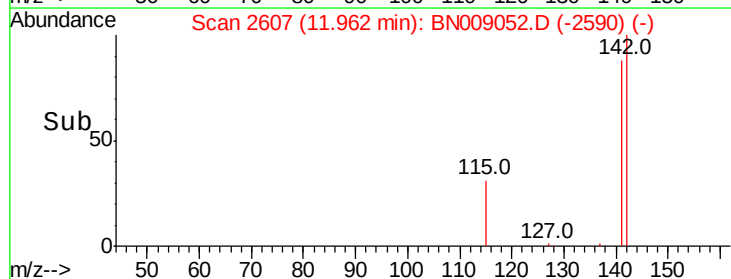
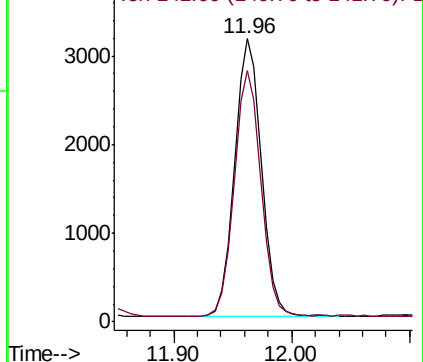
142 100

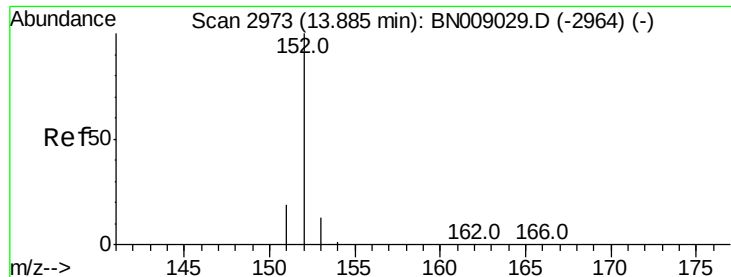
141 88.4 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.136 ng/ul

RT: 13.88 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BN009052.D

Acq: 20 Dec 2019 04:59

Instrument :

BNA_N

ClientSampleId :

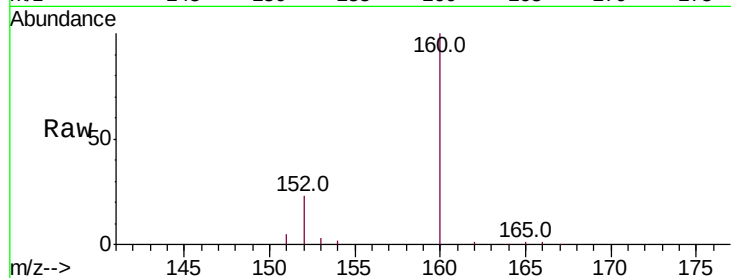
Tot Ion:152 Resp: 5713

Ion Ratio Lower Upper

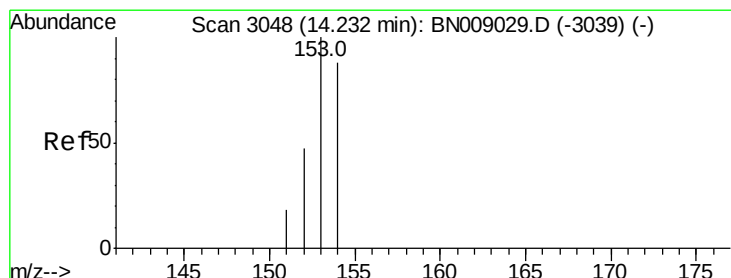
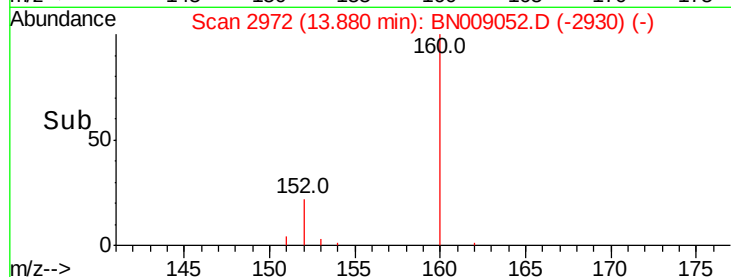
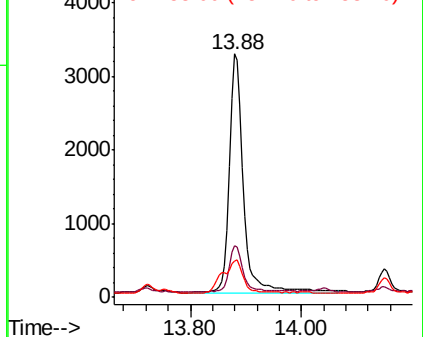
152 100

151 21.5 15.7 23.5

153 15.0 10.8 16.2



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: 0.078 ng/ul

RT: 14.23 min Scan# 3047

Delta R.T. -0.00 min

Lab File: BN009052.D

Acq: 20 Dec 2019 04:59

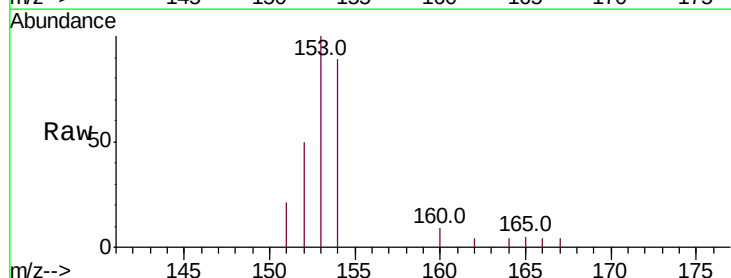
Tgt Ion:153 Resp: 2558

Ion Ratio Lower Upper

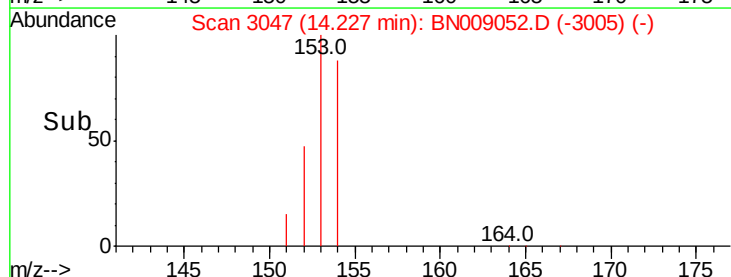
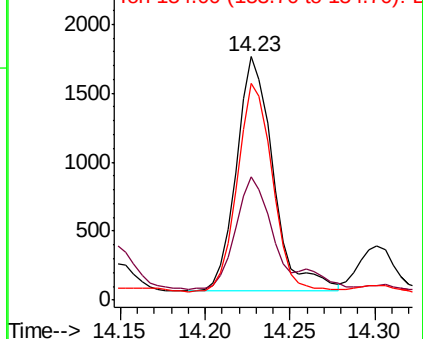
153 100

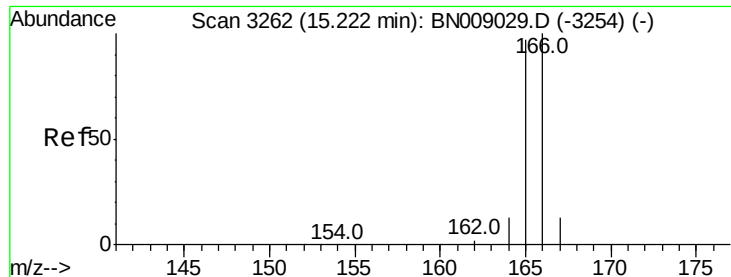
152 50.4 39.5 59.3

154 88.8 71.3 106.9



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

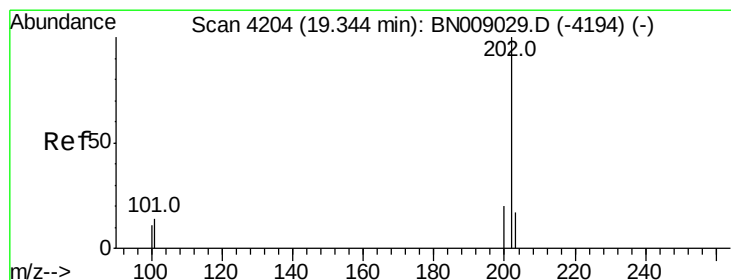
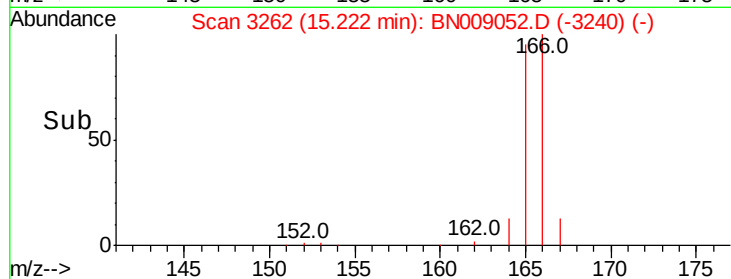
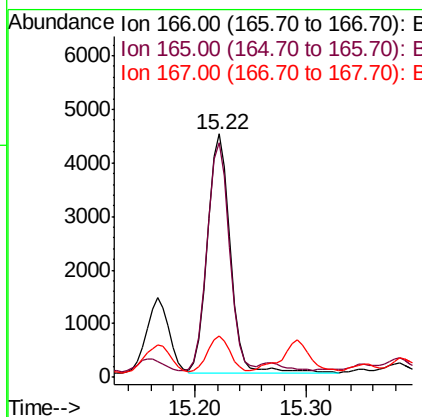
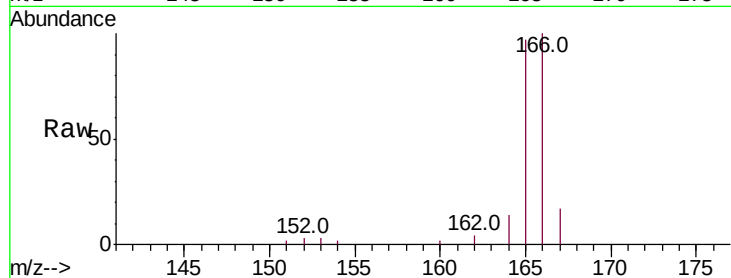




#9
Fluorene
Concen: 0.163 ng/ul
RT: 15.22 min Scan# 3262
Delta R.T. 0.00 min
Lab File: BN009052.D
Acq: 20 Dec 2019 04:59

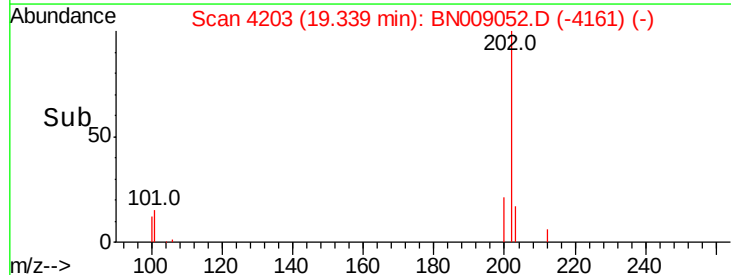
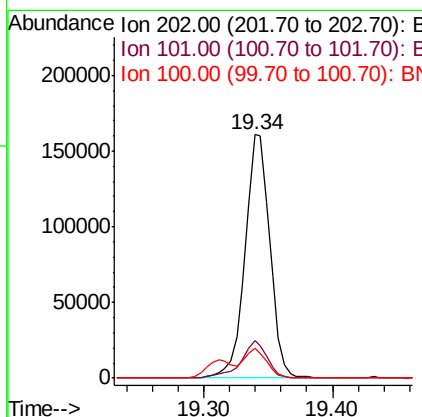
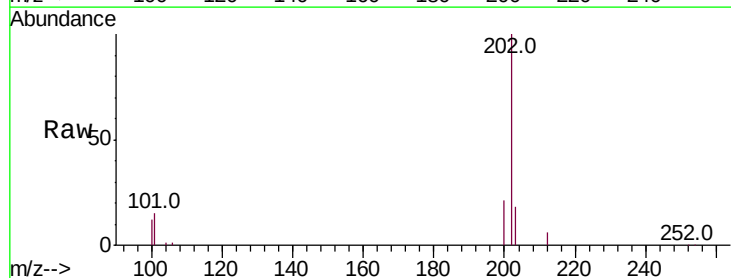
Instrument :
BNA_N
ClientSampleId :

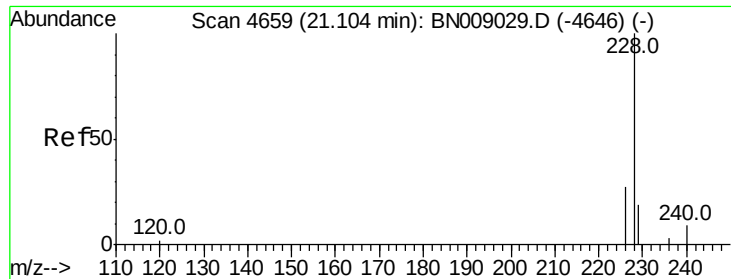
Tot Ion:166 Resp: 6348
Ion Ratio Lower Upper
166 100
165 96.6 78.2 117.4
167 16.9 11.0 16.6#



#17
Pyrene
Concen: 4.811 ng/ul
RT: 19.34 min Scan# 4203
Delta R.T. -0.00 min
Lab File: BN009052.D
Acq: 20 Dec 2019 04:59

Tgt Ion:202 Resp: 214551
Ion Ratio Lower Upper
202 100
101 15.3 10.9 16.3
100 12.4 9.0 13.6





#18

Benzo(a)anthracene

Concen: 2.172 ng/ul

RT: 21.10 min Scan# 4657

Delta R.T. -0.01 min

Lab File: BN009052.D

Acq: 20 Dec 2019 04:59

Instrument :

BNA_N

ClientSampleId :

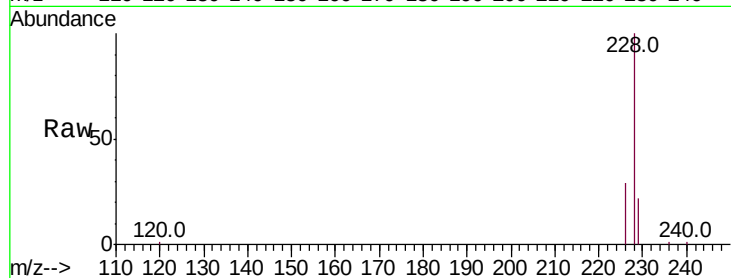
Tot Ion:228 Resp: 84301

Ion Ratio Lower Upper

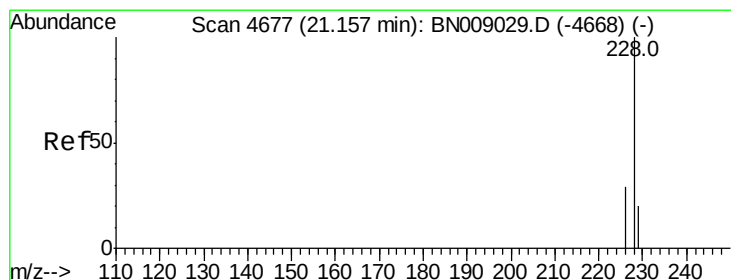
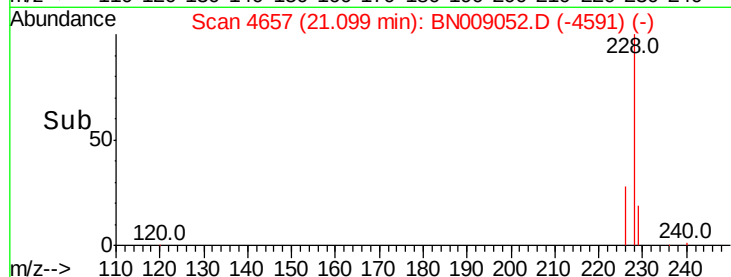
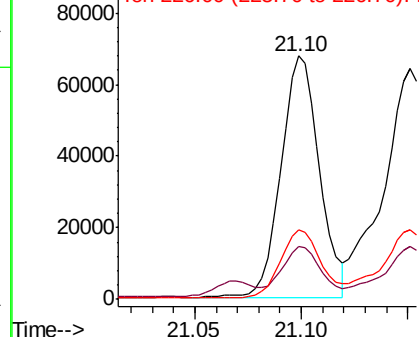
228 100

229 21.5 15.5 23.3

226 28.6 21.7 32.5



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: 2.436 ng/ul

RT: 21.15 min Scan# 4675

Delta R.T. -0.01 min

Lab File: BN009052.D

Acq: 20 Dec 2019 04:59

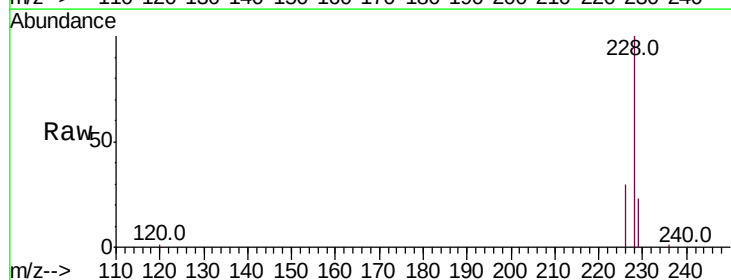
Tgt Ion:228 Resp: 95044

Ion Ratio Lower Upper

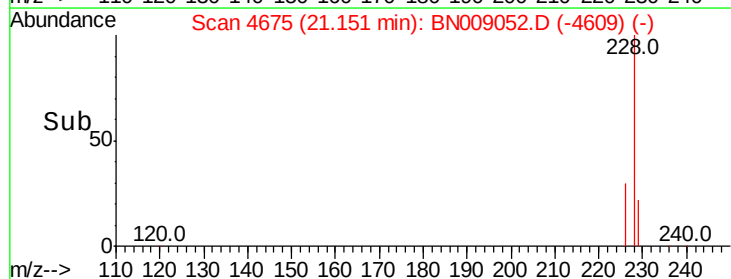
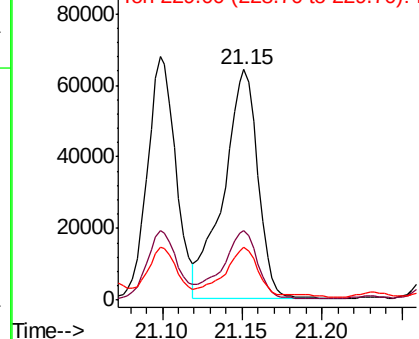
228 100

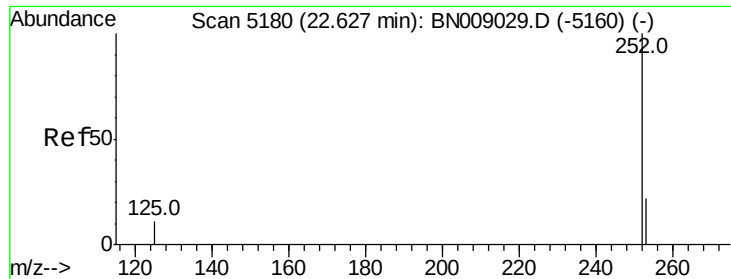
226 30.0 23.7 35.5

229 22.9 15.4 23.0



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: 4.005 ng/ul

RT: 22.62 min Scan# 5179

Delta R.T. -0.00 min

Lab File: BN009052.D

Acq: 20 Dec 2019 04:59

Instrument :

BNA_N

ClientSampleId :

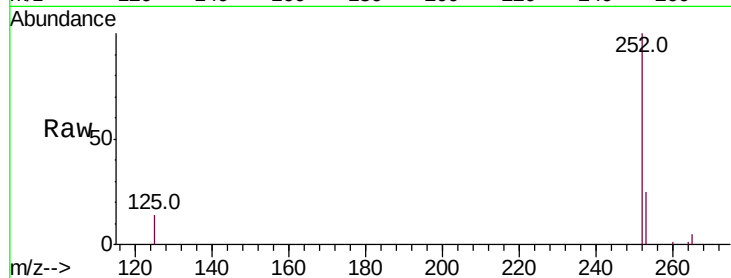
Tot Ion:252 Resp: 151857

Ion Ratio Lower Upper

252 100

253 24.7 0.0 48.2

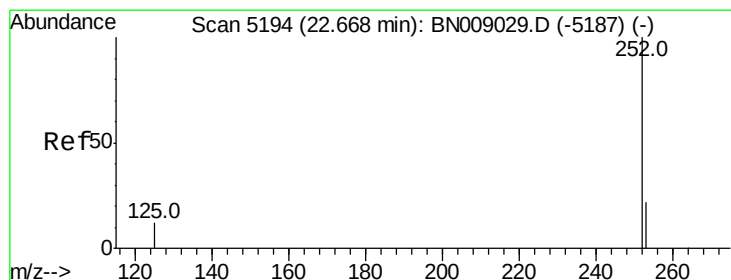
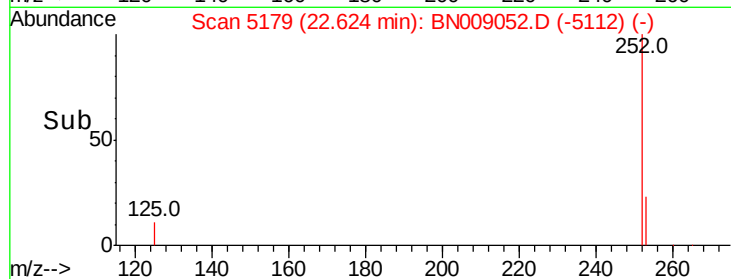
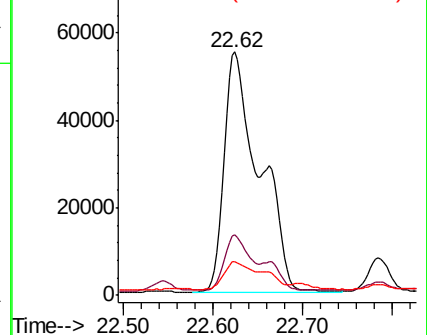
125 13.8 0.0 30.0



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: 3.972 ng/ul

RT: 22.62 min Scan# 5179

Delta R.T. -0.04 min

Lab File: BN009052.D

Acq: 20 Dec 2019 04:59

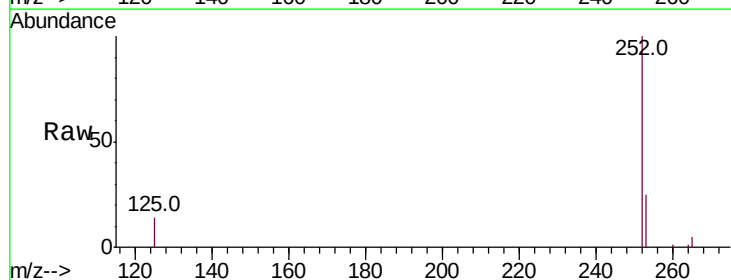
Tgt Ion:252 Resp: 151857

Ion Ratio Lower Upper

252 100

253 24.7 19.4 29.0

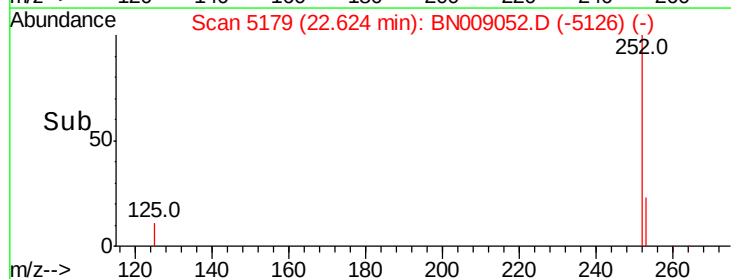
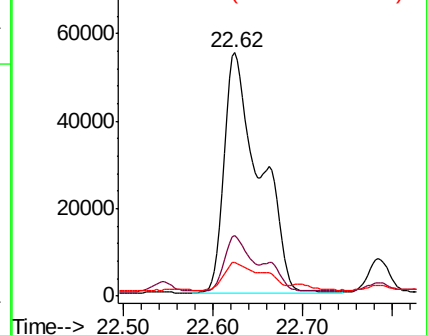
125 13.8 12.4 18.6

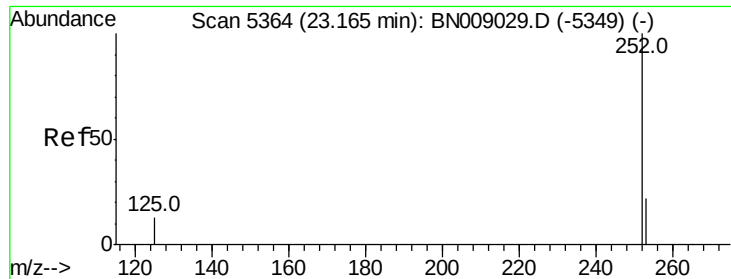


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 2.237 ng/ul

RT: 23.16 min Scan# 5363

Delta R.T. -0.00 min

Lab File: BN009052.D

Acq: 20 Dec 2019 04:59

Instrument :

BNA_N

ClientSampleId :

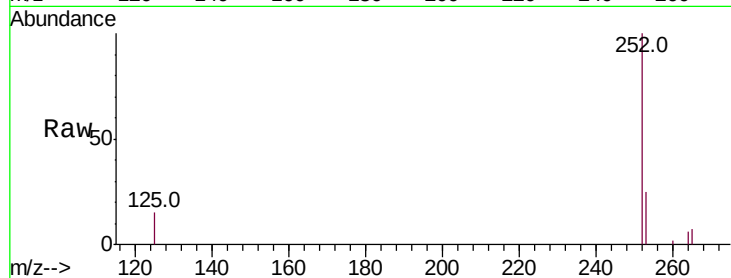
Tot Ion:252 Resp: 74316

Ion Ratio Lower Upper

252 100

253 24.7 20.2 30.4

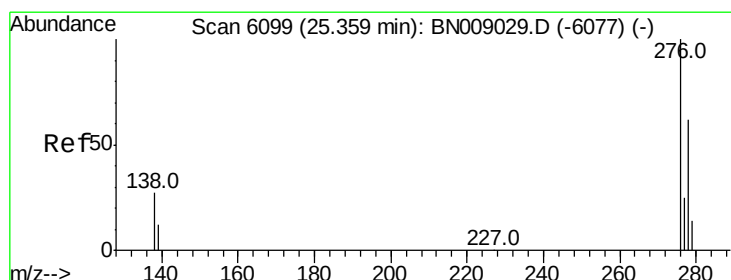
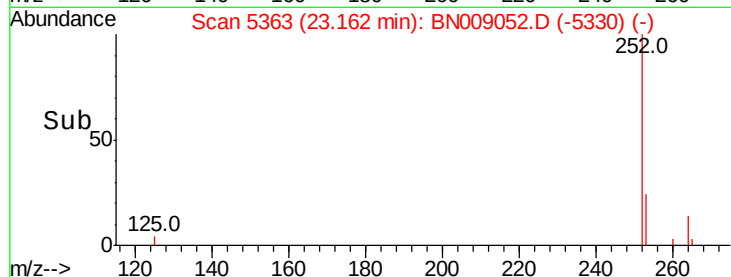
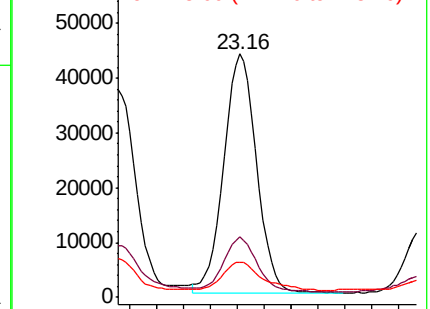
125 14.6 13.2 19.8



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: 1.499 ng/ul

RT: 25.35 min Scan# 6097

Delta R.T. -0.01 min

Lab File: BN009052.D

Acq: 20 Dec 2019 04:59

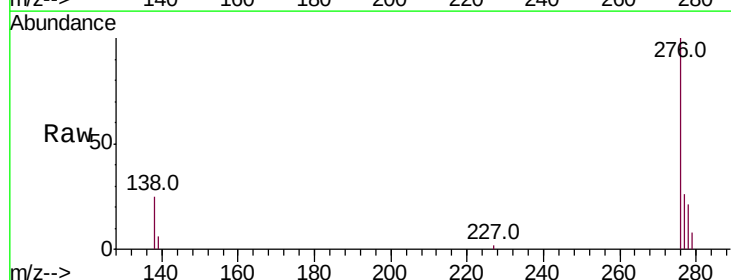
Tgt Ion:276 Resp: 54234

Ion Ratio Lower Upper

276 100

138 23.4 22.4 33.6

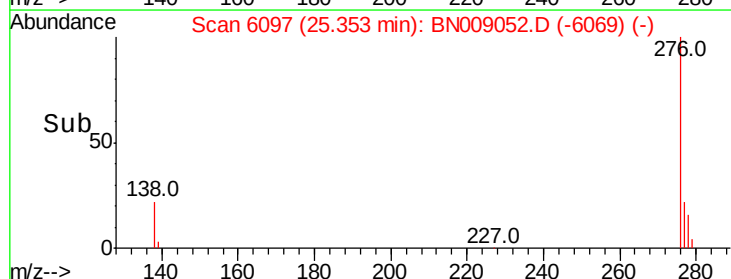
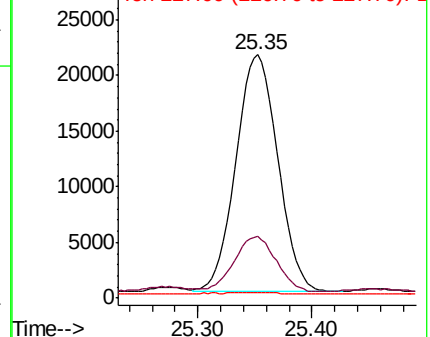
227 0.0 0.2 0.4#

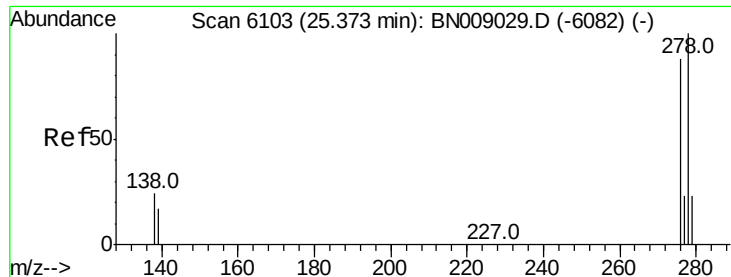


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

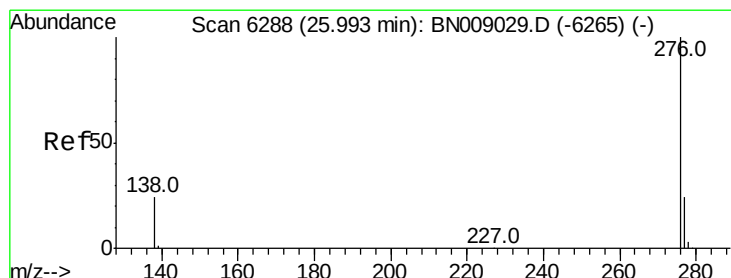
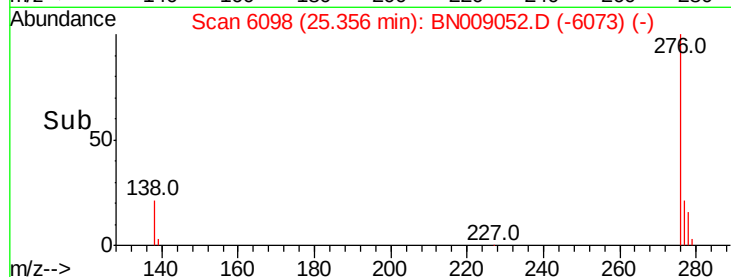
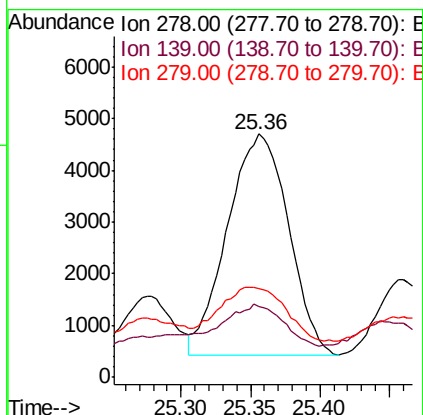
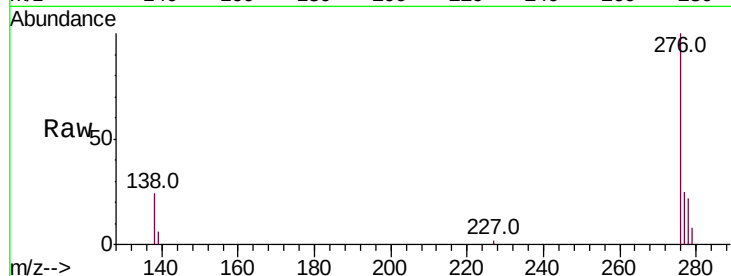




#25
Dibenzo(a,h)anthracene
Concen: 0.451 ng/ul
RT: 25.36 min Scan# 6098
Delta R.T. -0.02 min
Lab File: BN009052.D
Acq: 20 Dec 2019 04:59

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 12978
Ion Ratio Lower Upper
278 100
139 28.9 16.2 24.2#
279 36.7 20.3 30.5#



#26
Benzo(g,h,i)perylene
Concen: 1.911 ng/ul
RT: 25.99 min Scan# 6286
Delta R.T. -0.01 min
Lab File: BN009052.D
Acq: 20 Dec 2019 04:59

Tgt Ion:276 Resp: 58261
Ion Ratio Lower Upper
276 100
138 25.6 20.6 30.8
277 25.2 19.6 29.4

