

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009239.D
 Acq On : 28 Dec 2019 21:40
 Operator : JU
 Sample : K6278-14DL 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 29 04:44:11 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 : Sun Dec 29 04:38:59 2019
 Response via : Initial Calibration

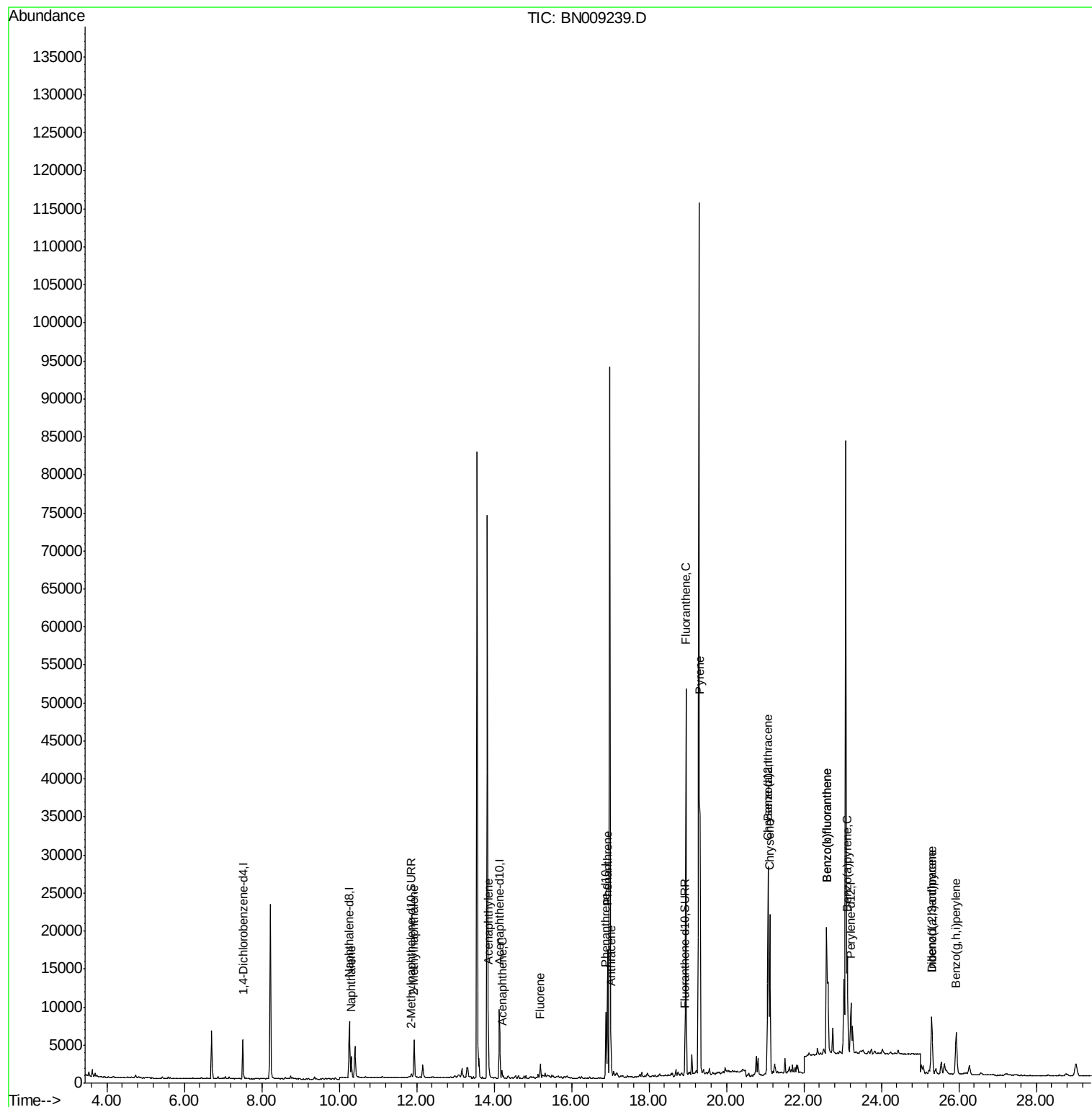
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2530	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	9223	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	4825	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	9682	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	7510	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	7704	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	695	0.04	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	1344	0.05	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.31	128	3516	0.126	ng/ul#	95
5) 2-Methylnaphthalene	11.93	142	3664	0.173	ng/ul	100
7) Acenaphthylene	13.86	152	4341	0.171	ng/ul	96
8) Acenaphthene	14.20	153	700	0.035	ng/ul	95
9) Fluorene	15.20	166	1099	0.047	ng/ul#	94
12) Phenanthrene	16.93	178	16993	0.505	ng/ul	100
13) Anthracene	17.02	178	5377	0.178	ng/ul	98
15) Fluoranthene	18.95	202	42585	1.106	ng/ul	99
17) Pyrene	19.32	202	36657	0.957	ng/ul	99
18) Benzo(a)anthracene	21.07	228	20291	0.608	ng/ul	95
19) Chrysene	21.12	228	20368	0.608	ng/ul	96
21) Benzo(b)fluoranthene	22.59	252	34105	0.948	ng/ul	98
22) Benzo(k)fluoranthene	22.59	252	34105	0.940	ng/ul	98
23) Benzo(a)pyrene	23.12	252	15810	0.502	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.30	276	10935	0.319	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.31	278	2965	0.108	ng/ul#	67
26) Benzo(a,h,i)perylene	25.94	276	10461	0.362	ng/ul	98

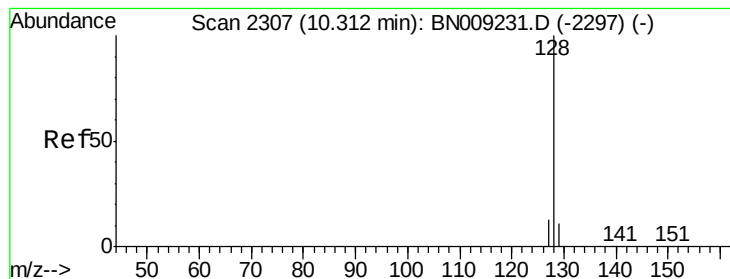
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.126 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BN009239.D

Acq: 28 Dec 2019 21:40

Instrument :

BNA_N

ClientSampleId :

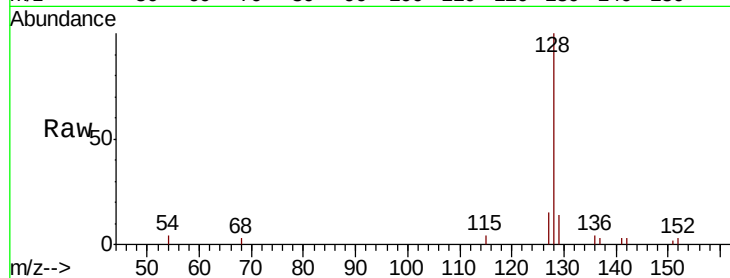
Tot Ion:128 Resp: 3516

Ion Ratio Lower Upper

128 100

129 13.7 9.0 13.4#

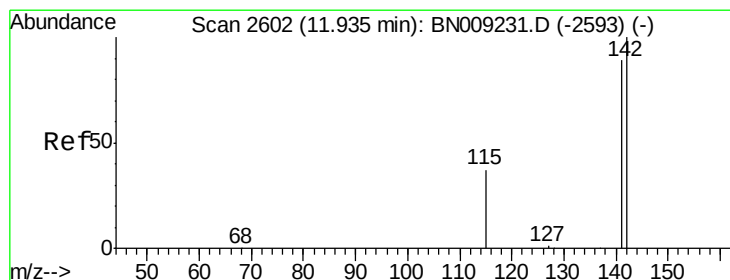
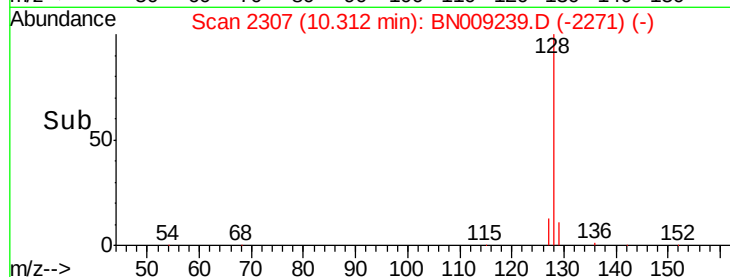
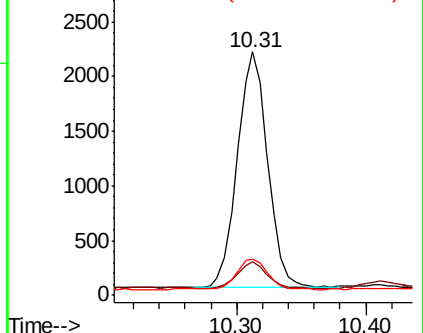
127 15.0 10.9 16.3



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: 0.173 ng/ul

RT: 11.93 min Scan# 2602

Delta R.T. 0.00 min

Lab File: BN009239.D

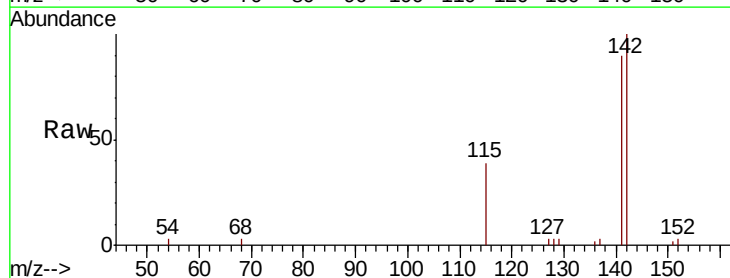
Acq: 28 Dec 2019 21:40

Tgt Ion:142 Resp: 3664

Ion Ratio Lower Upper

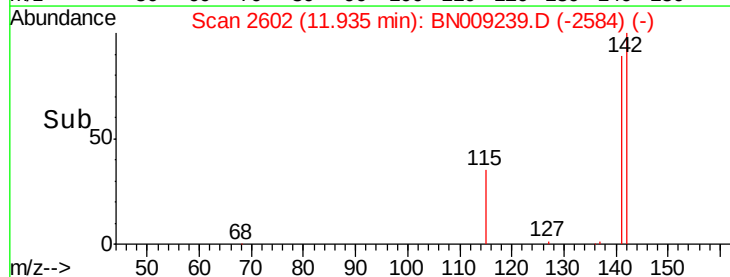
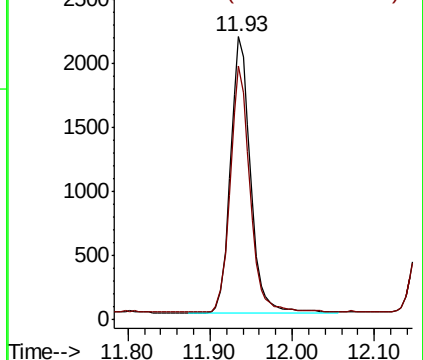
142 100

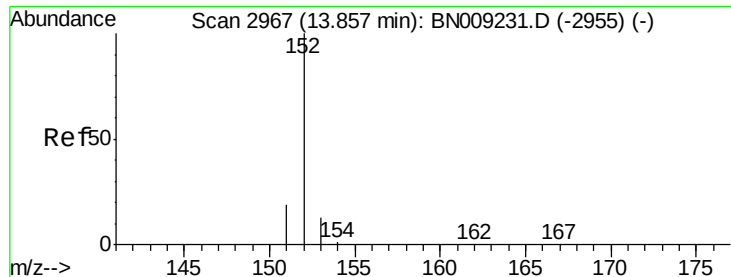
141 87.6 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.171 ng/ul

RT: 13.86 min Scan# 2967

Delta R.T. 0.00 min

Lab File: BN009239.D

Acq: 28 Dec 2019 21:40

Instrument :

BNA_N

ClientSampleId :

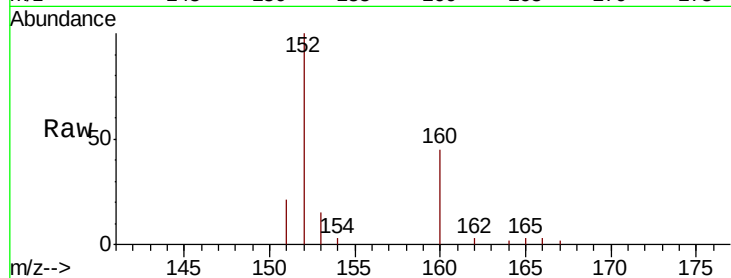
Tot Ion:152 Resp: 4341

Ion Ratio Lower Upper

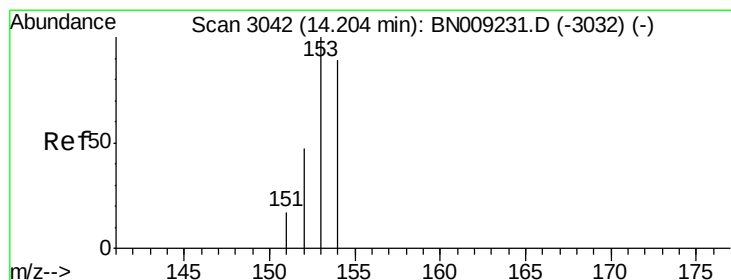
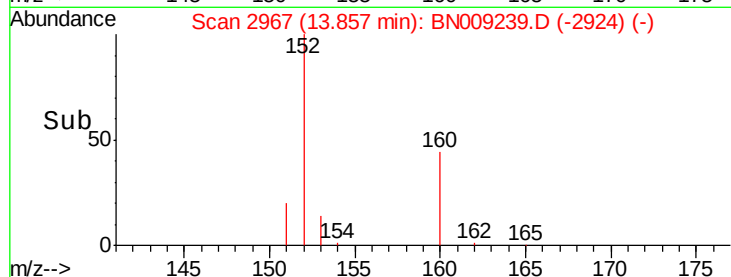
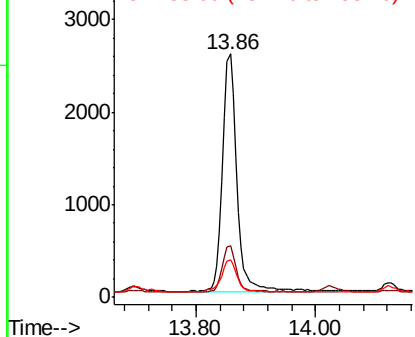
152 100

151 21.4 15.7 23.5

153 15.4 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: 0.035 ng/ul

RT: 14.20 min Scan# 3042

Delta R.T. 0.00 min

Lab File: BN009239.D

Acq: 28 Dec 2019 21:40

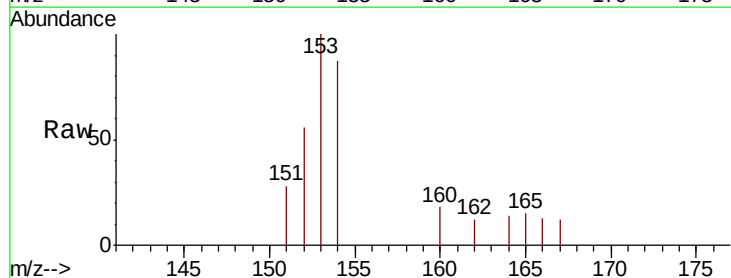
Tgt Ion:153 Resp: 700

Ion Ratio Lower Upper

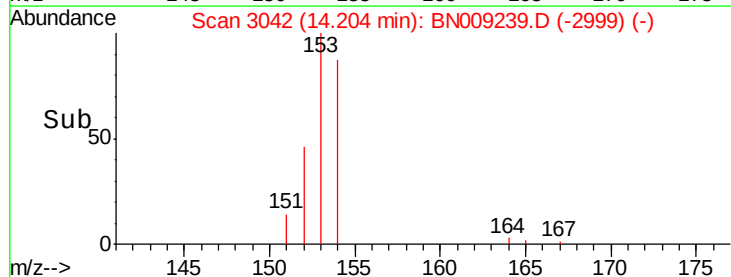
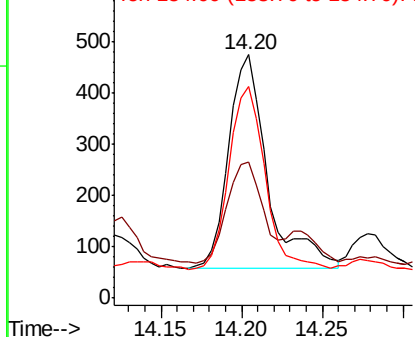
153 100

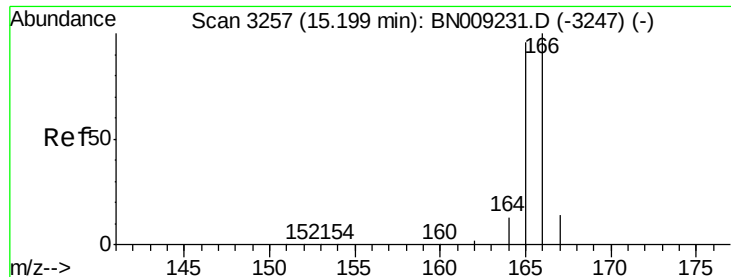
152 55.9 39.5 59.3

154 87.1 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: 0.047 ng/ul

RT: 15.20 min Scan# 3257

Delta R.T. 0.00 min

Lab File: BN009239.D

Acq: 28 Dec 2019 21:40

Instrument :

BNA_N

ClientSampleId :

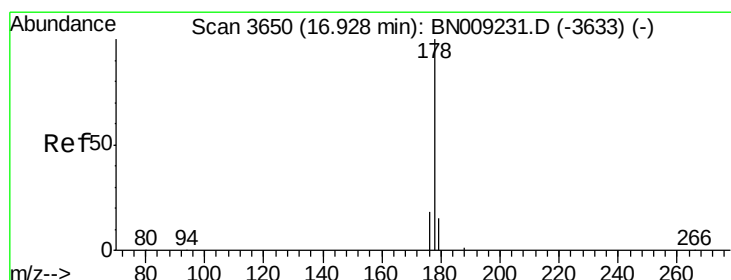
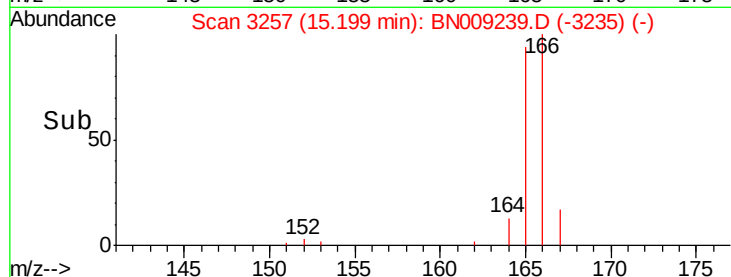
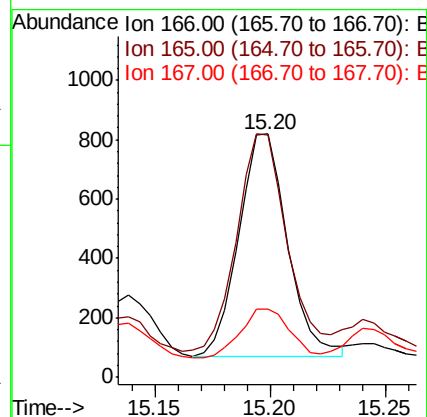
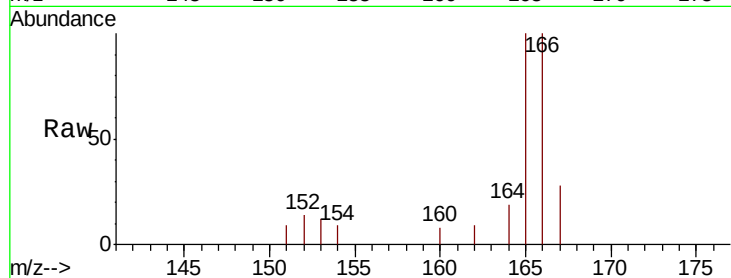
Tot Ion:166 Resp: 1099

Ion Ratio Lower Upper

166 100

165 99.5 78.2 117.4

167 27.9 11.0 16.6#



#12

Phenanthrene

Concen: 0.505 ng/ul

RT: 16.93 min Scan# 3650

Delta R.T. 0.00 min

Lab File: BN009239.D

Acq: 28 Dec 2019 21:40

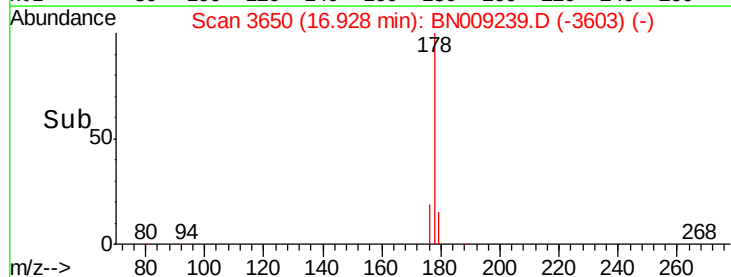
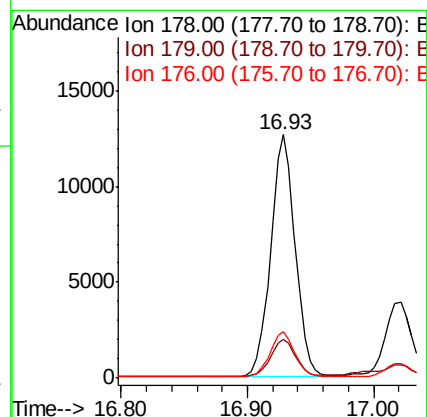
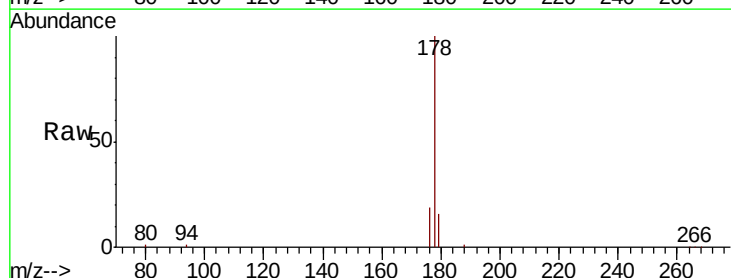
Tgt Ion:178 Resp: 16993

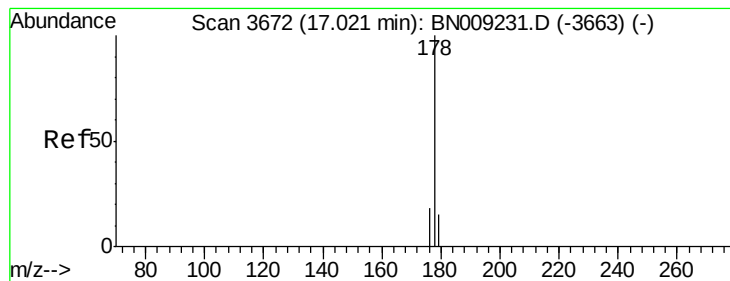
Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

176 18.9 15.1 22.7





#13

Anthracene

Concen: 0.178 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. 0.00 min

Lab File: BN009239.D

Acq: 28 Dec 2019 21:40

Instrument :

BNA_N

ClientSampleId :

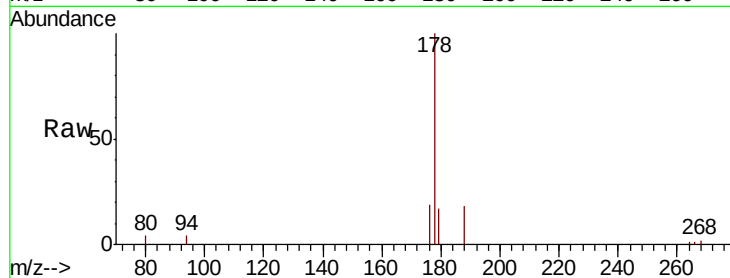
Tot Ion:178 Resp: 5377

Ion Ratio Lower Upper

178 100

179 17.3 12.5 18.7

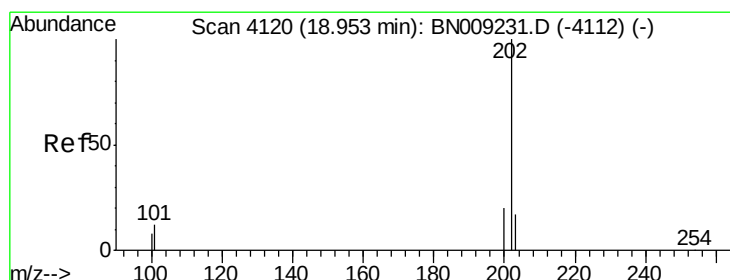
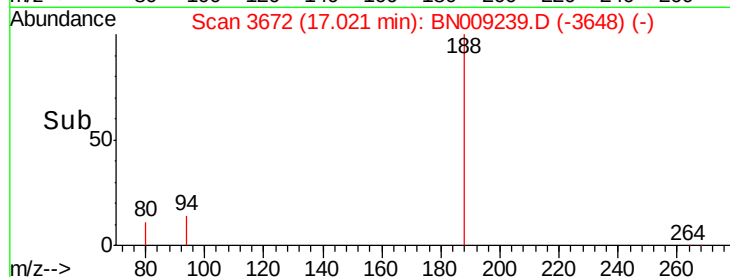
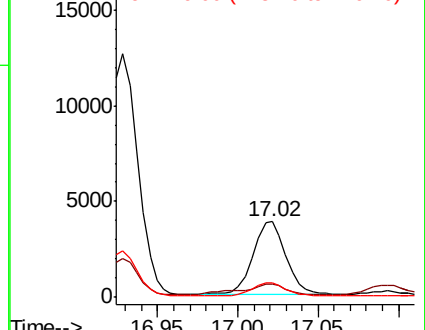
176 19.1 14.9 22.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 1.106 ng/ul

RT: 18.95 min Scan# 4120

Delta R.T. 0.00 min

Lab File: BN009239.D

Acq: 28 Dec 2019 21:40

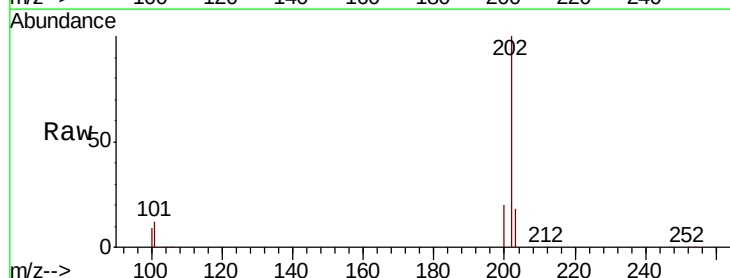
Tgt Ion:202 Resp: 42585

Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.5

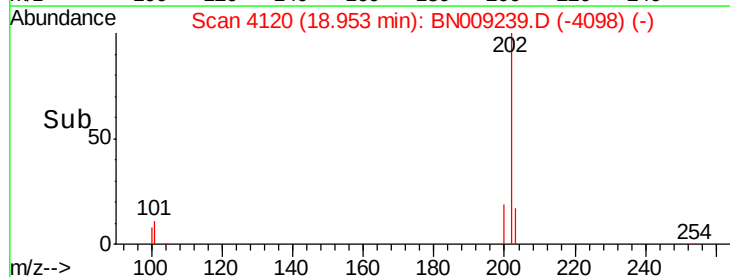
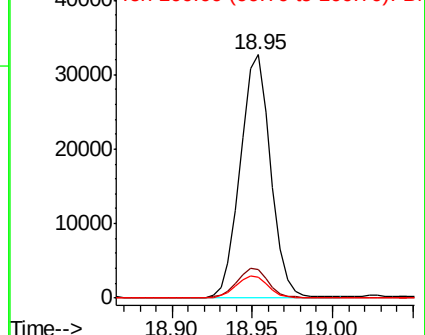
100 8.5 0.0 28.9

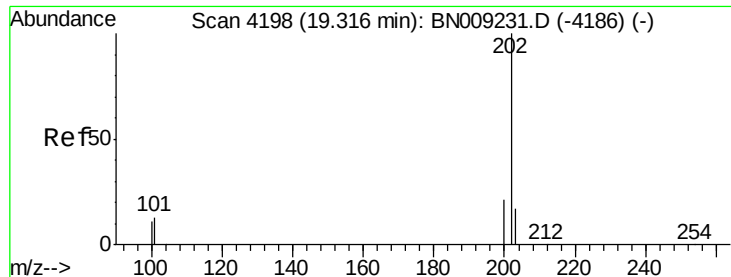


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pvrene

Concen: 0.957 ng/ul

RT: 19.32 min Scan# 4198

Delta R.T. 0.00 min

Lab File: BN009239.D

Acq: 28 Dec 2019 21:40

Instrument :

BNA_N

ClientSampleId :

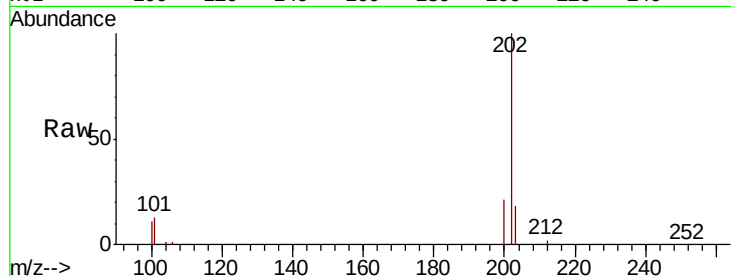
Tot Ion:202 Resp: 36657

Ion Ratio Lower Upper

202 100

101 13.5 10.9 16.3

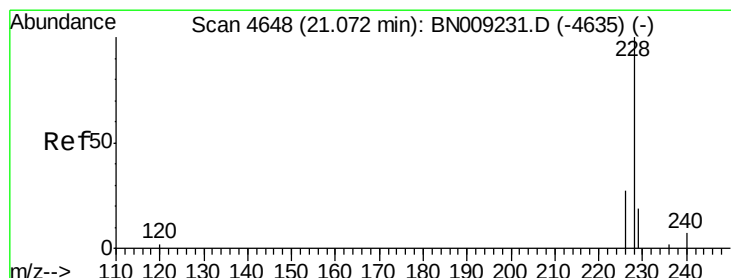
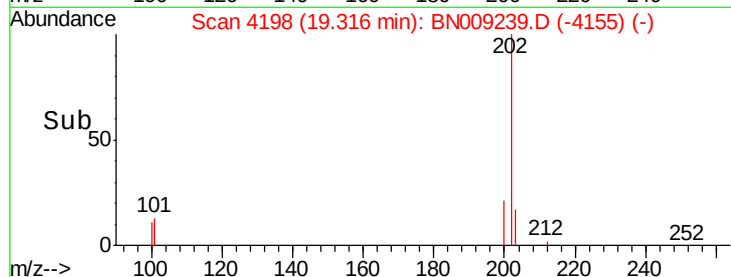
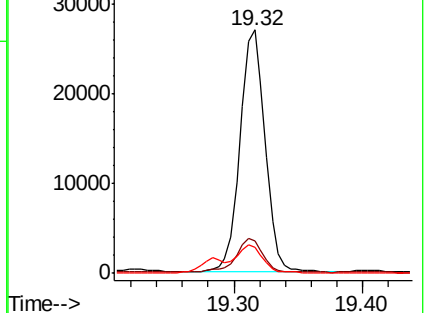
100 10.7 9.0 13.6



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: 0.608 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.00 min

Lab File: BN009239.D

Acq: 28 Dec 2019 21:40

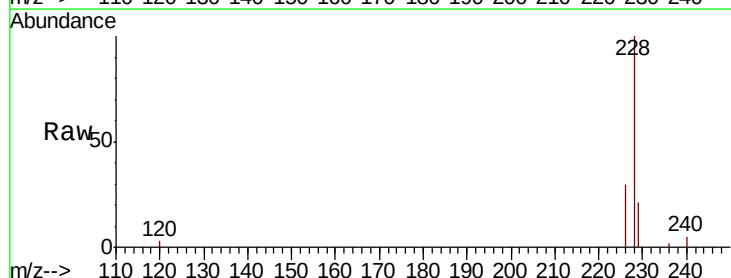
Tgt Ion:228 Resp: 20291

Ion Ratio Lower Upper

228 100

229 21.4 15.5 23.3

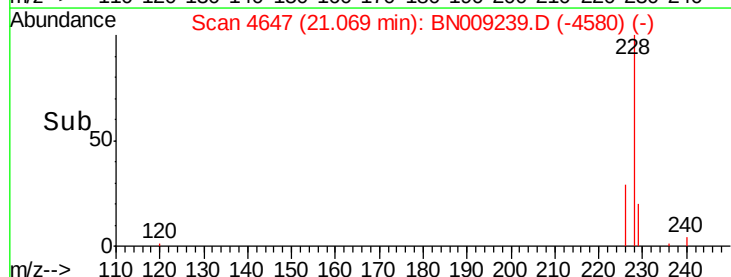
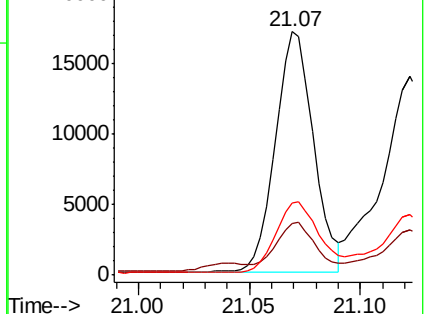
226 29.8 21.7 32.5

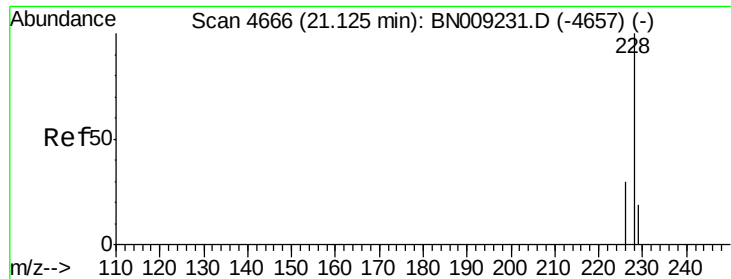


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.608 ng/ul

RT: 21.12 min Scan# 4665

Delta R.T. -0.00 min

Lab File: BN009239.D

Acq: 28 Dec 2019 21:40

Instrument :

BNA_N

ClientSampleId :

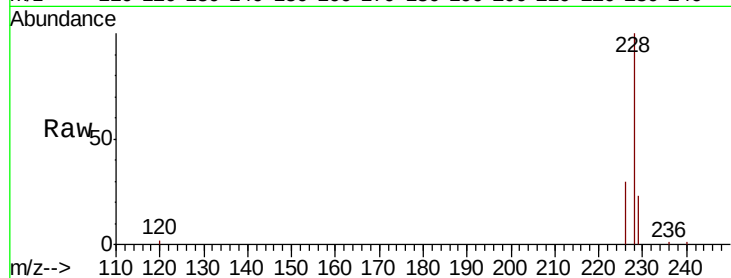
Tot Ion:228 Resp: 20368

Ion Ratio Lower Upper

228 100

226 30.3 23.7 35.5

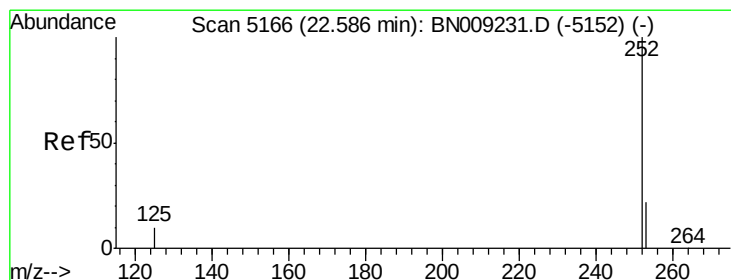
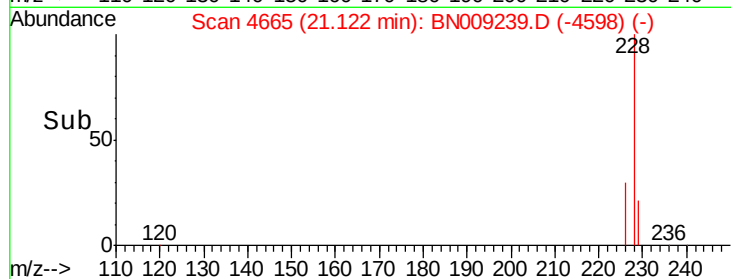
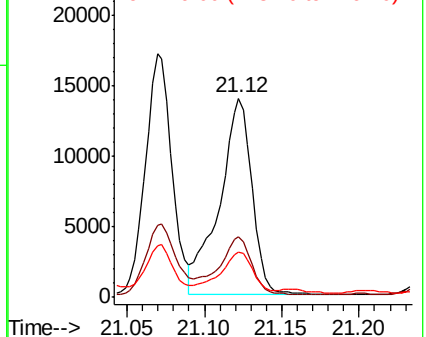
229 22.8 15.4 23.0



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: 0.948 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. 0.00 min

Lab File: BN009239.D

Acq: 28 Dec 2019 21:40

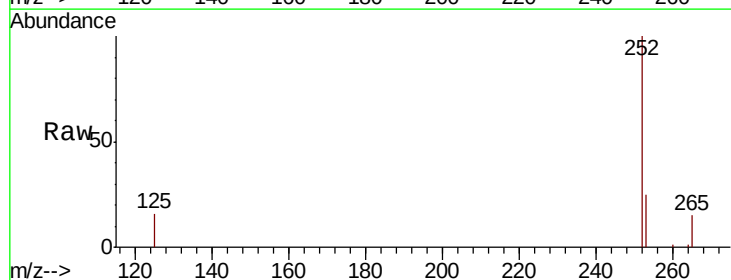
Tgt Ion:252 Resp: 34105

Ion Ratio Lower Upper

252 100

253 25.4 0.0 48.2

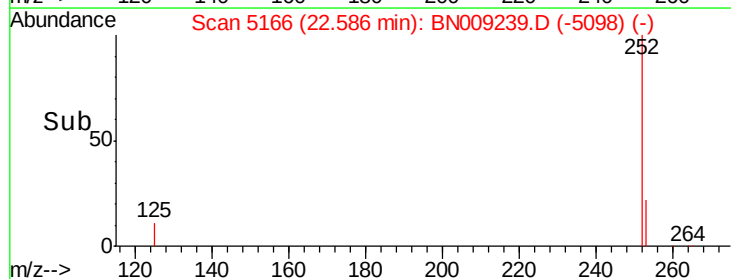
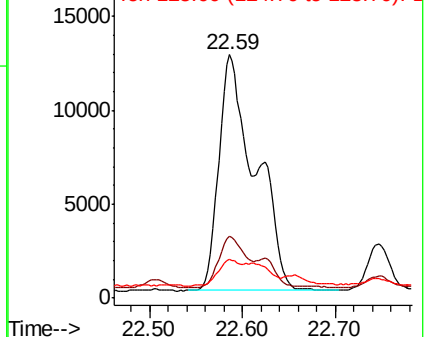
125 15.9 0.0 30.0

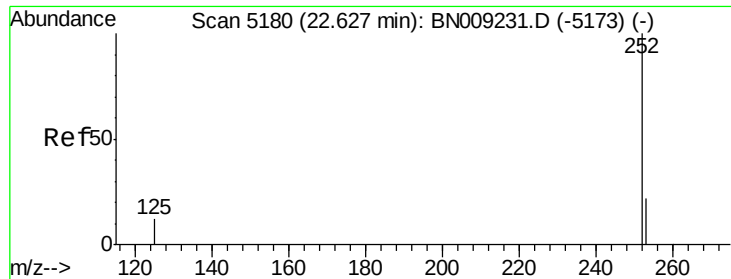


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.940 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. -0.04 min

Lab File: BN009239.D

Acq: 28 Dec 2019 21:40

Instrument :

BNA_N

ClientSampleId :

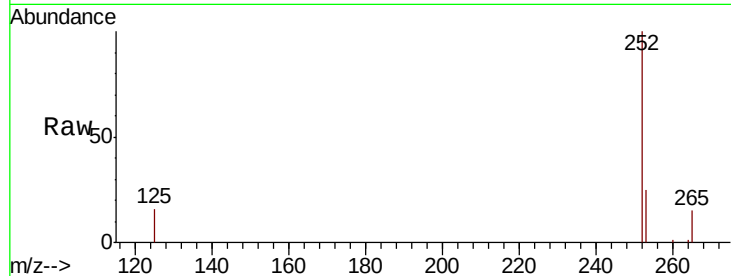
Tot Ion:252 Resp: 34105

Ion Ratio Lower Upper

252 100

253 25.4 19.4 29.0

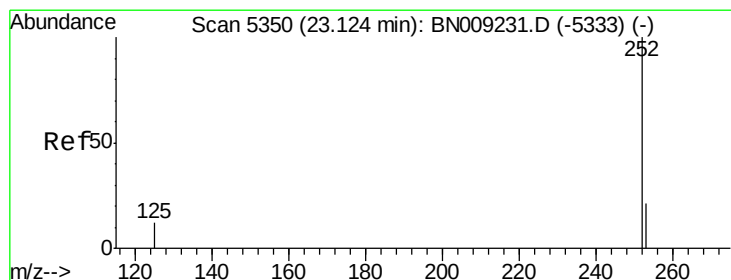
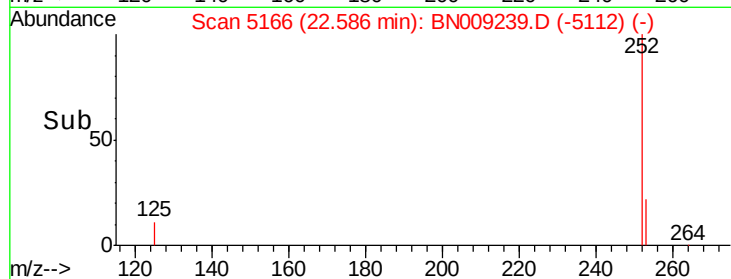
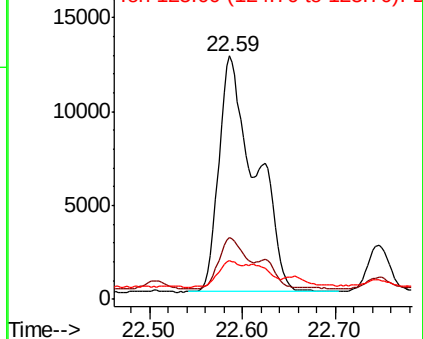
125 15.9 12.4 18.6



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: 0.502 ng/ul

RT: 23.12 min Scan# 5349

Delta R.T. -0.00 min

Lab File: BN009239.D

Acq: 28 Dec 2019 21:40

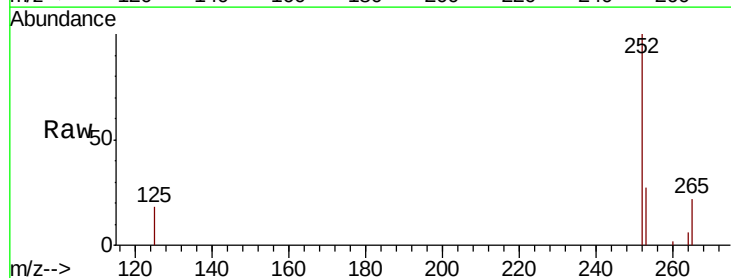
Tgt Ion:252 Resp: 15810

Ion Ratio Lower Upper

252 100

253 27.2 20.2 30.4

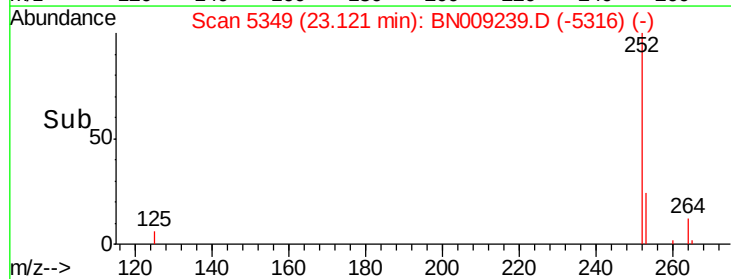
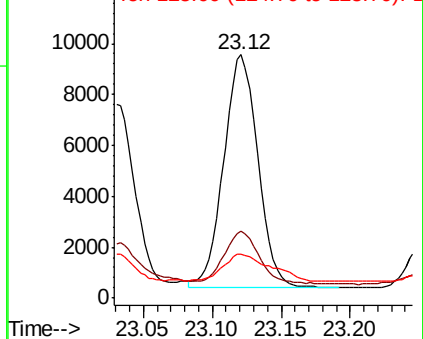
125 18.2 13.2 19.8

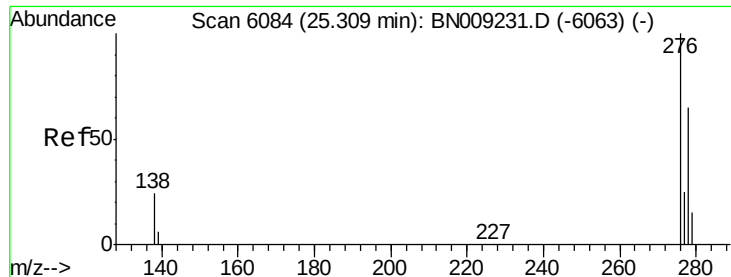


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



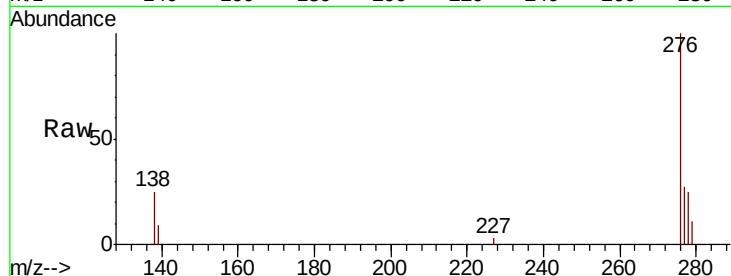


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.319 ng/ul
RT: 25.30 min Scan# 6082
Delta R.T. -0.01 min
Lab File: BN009239.D
Acq: 28 Dec 2019 21:40

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	22.4	33.6#
227	0.1	0.2	0.4#

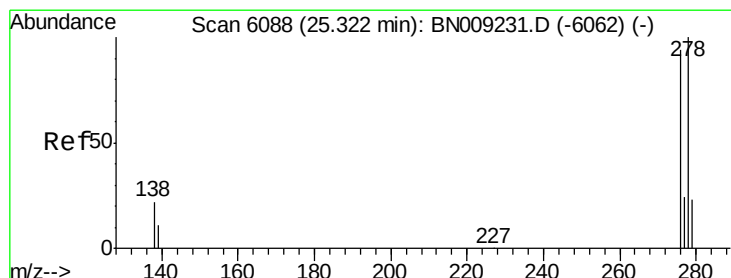
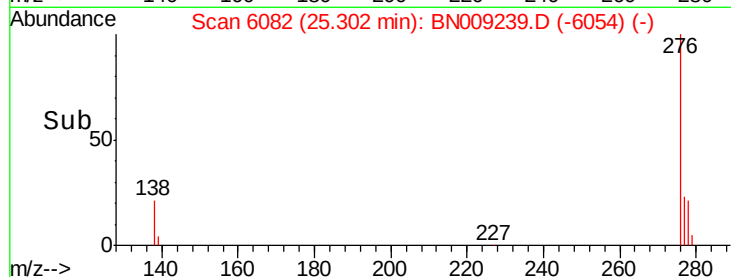
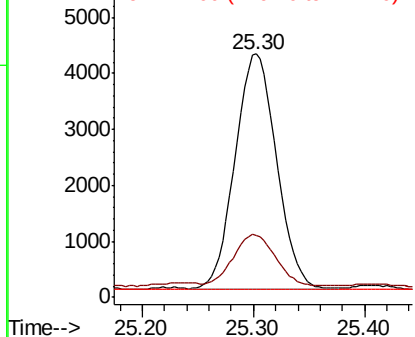


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

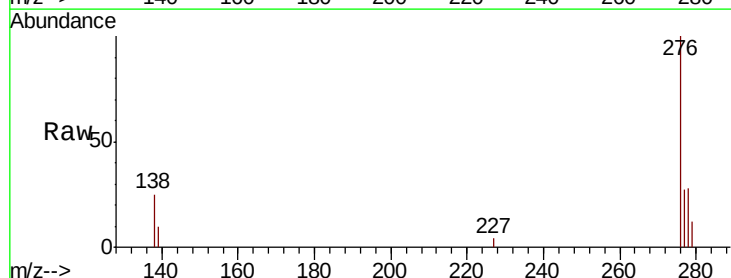
Ion 227.00 (226.70 to 227.70): E



#25

Dibenzo(a,h)anthracene
Concen: 0.108 ng/ul
RT: 25.31 min Scan# 6084
Delta R.T. -0.01 min
Lab File: BN009239.D
Acq: 28 Dec 2019 21:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	34.7	16.2	24.2#
279	42.5	20.3	30.5#

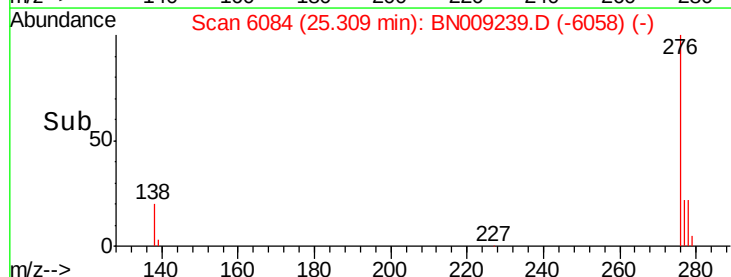
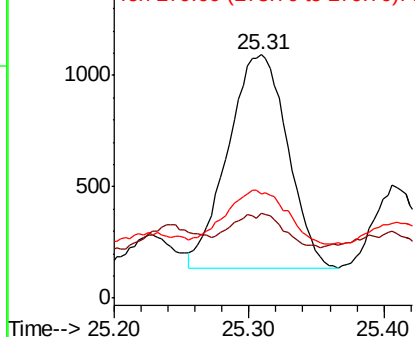


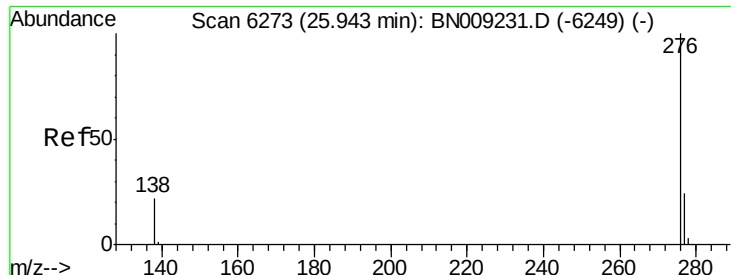
Abundance

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

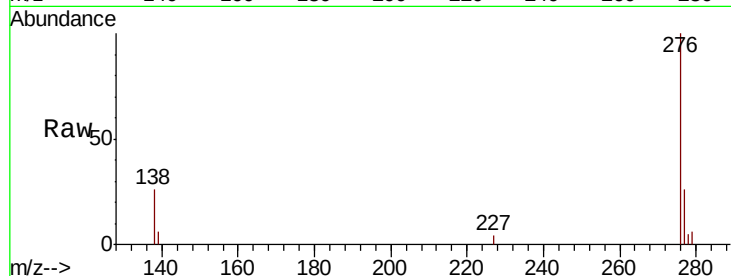




#26
 Benzo(a,h,i)perylene
 Concen: 0.362 ng/ul
 RT: 25.94 min Scan# 6271
 Delta R.T. -0.01 min
 Lab File: BN009239.D
 Acq: 28 Dec 2019 21:40

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.3	20.6	30.8
277	25.9	19.6	29.4



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

