

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009237.D
 Acq On : 28 Dec 2019 20:29
 Operator : JU
 Sample : K6278-05DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 29 04:43:56 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	2477	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	9088	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	4717	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	9431	0.40	ng/ul	0.00
16) Chrysene-d12	21.09	240	7486	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	7710	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	616	0.04	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	1192	0.04	ng/ul	0.00

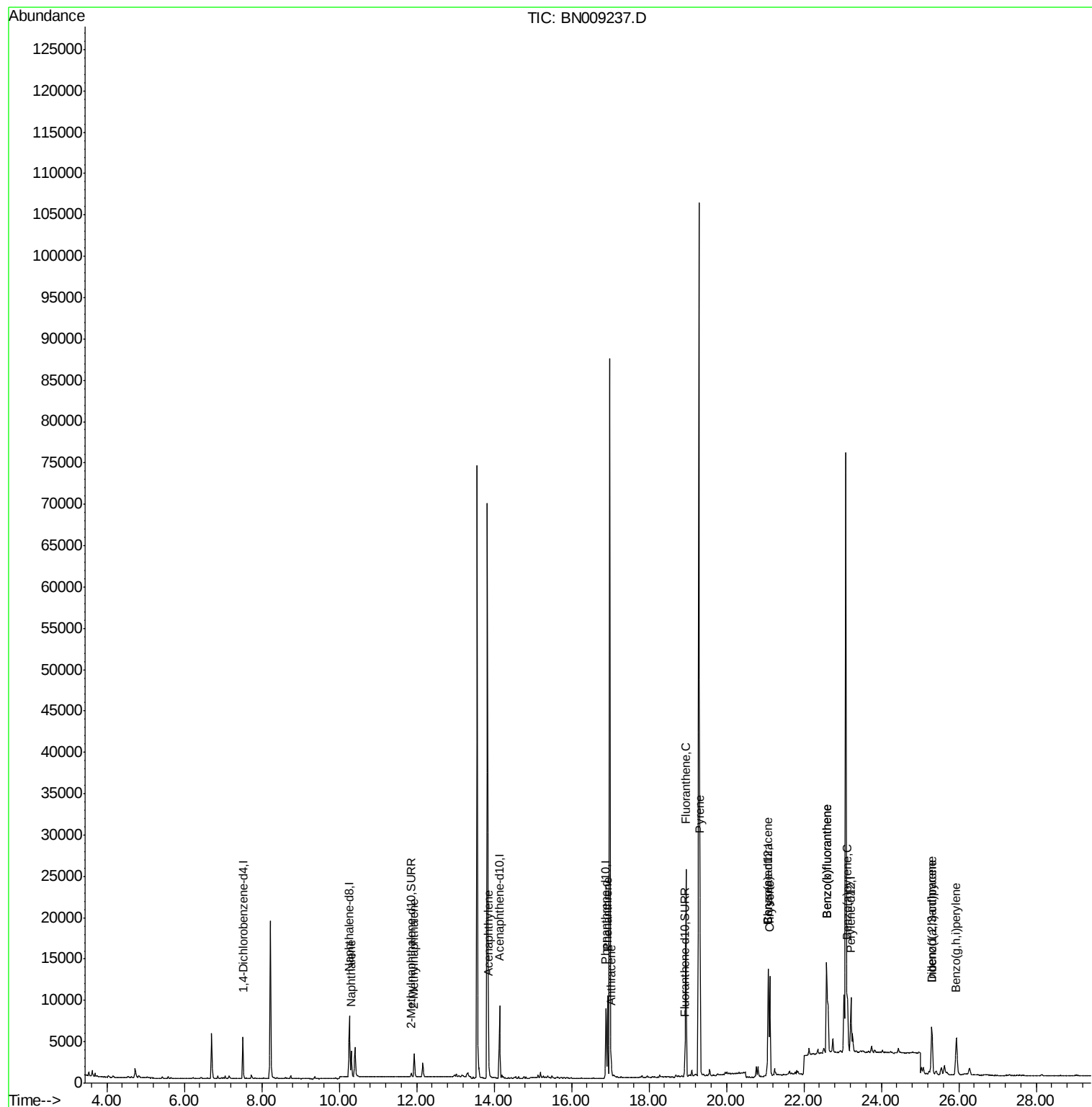
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	3756	0.136	ng/ul#	95
5) 2-Methylnaphthalene	11.93	142	2252	0.108	ng/ul	98
7) Acenaphthylene	13.86	152	1931	0.078	ng/ul#	65
12) Phenanthrene	16.93	178	10115	0.308	ng/ul	99
13) Anthracene	17.02	178	1978	0.067	ng/ul#	90
15) Fluoranthene	18.95	202	21033	0.561	ng/ul	99
17) Pyrene	19.32	202	18594	0.487	ng/ul	99
18) Benzo(a)anthracene	21.07	228	9327	0.281	ng/ul	95
19) Chrysene	21.12	228	11965	0.358	ng/ul	96
21) Benzo(b)fluoranthene	22.59	252	22688	0.630	ng/ul	94
22) Benzo(k)fluoranthene	22.59	252	22688	0.625	ng/ul	94
23) Benzo(a)pyrene	23.12	252	9961	0.316	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.30	276	8708	0.253	ng/ul#	88
25) Dibenzo(a,h)anthracene	25.31	278	2038	0.075	ng/ul#	58
26) Benzo(g,h,i)perylene	25.94	276	8807	0.304	ng/ul	96

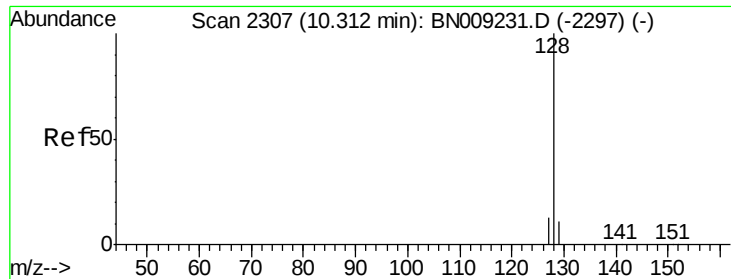
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.136 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BN009237.D

Acq: 28 Dec 2019 20:29

Instrument :

BNA_N

ClientSampleId :

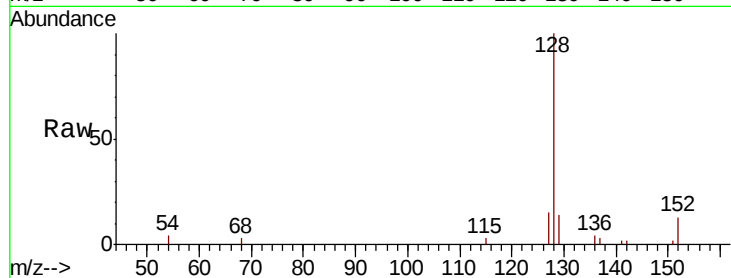
Tot Ion:128 Resp: 3756

Ion Ratio Lower Upper

128 100

129 13.6 9.0 13.4#

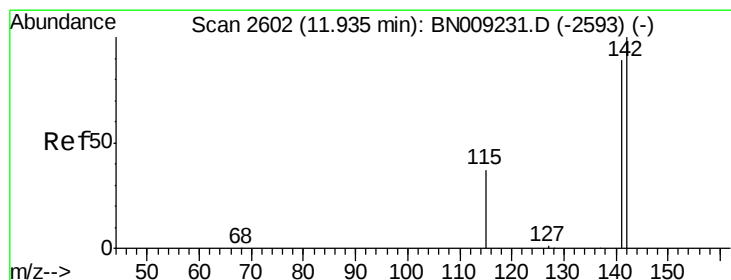
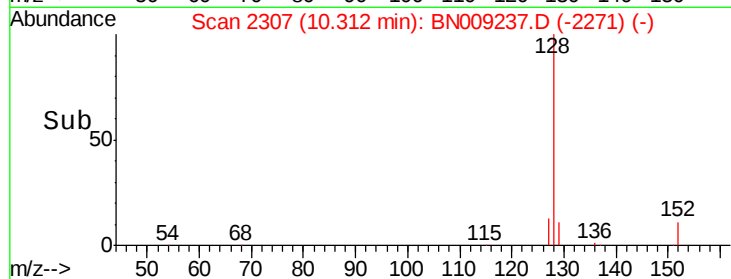
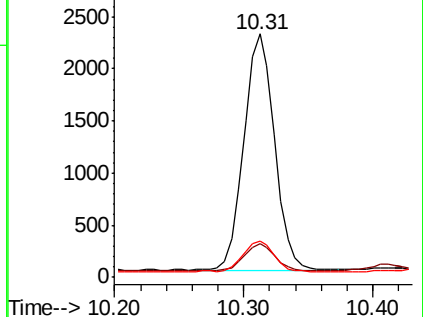
127 15.0 10.9 16.3



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: 0.108 ng/ul

RT: 11.93 min Scan# 2602

Delta R.T. 0.00 min

Lab File: BN009237.D

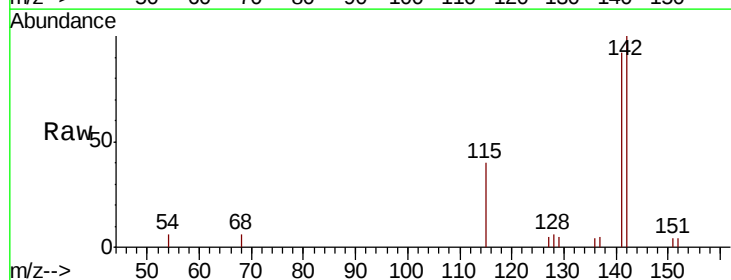
Acq: 28 Dec 2019 20:29

Tgt Ion:142 Resp: 2252

Ion Ratio Lower Upper

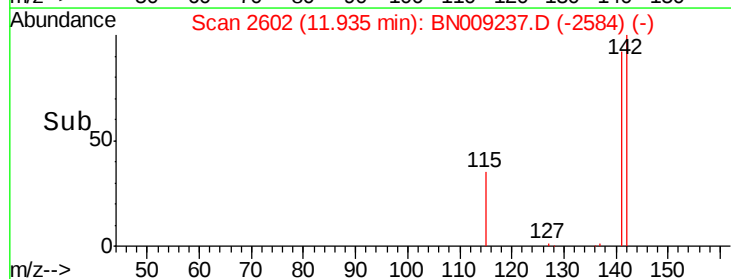
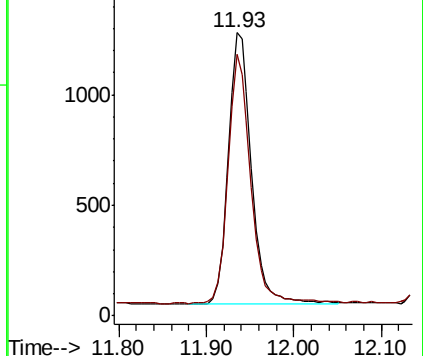
142 100

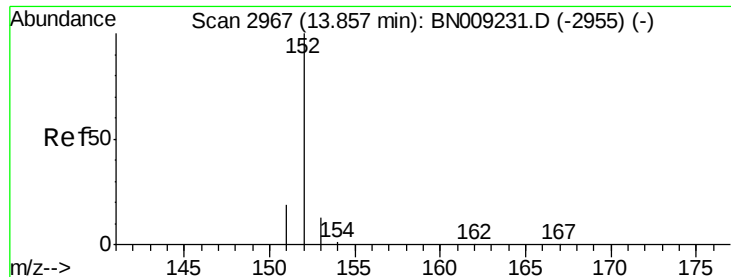
141 90.0 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.078 ng/ul

RT: 13.86 min Scan# 2967

Delta R.T. 0.00 min

Lab File: BN009237.D

Acq: 28 Dec 2019 20:29

Instrument :

BNA_N

ClientSampleId :

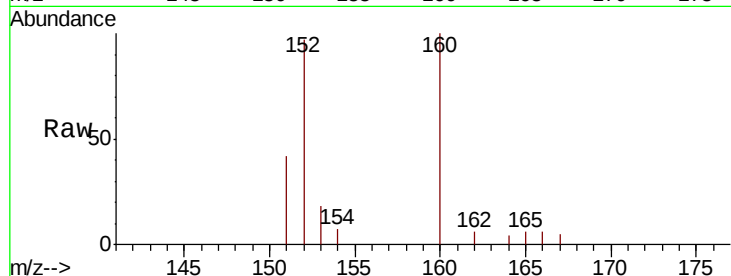
Tot Ion:152 Resp: 1931

Ion Ratio Lower Upper

152 100

151 42.8 15.7 23.5#

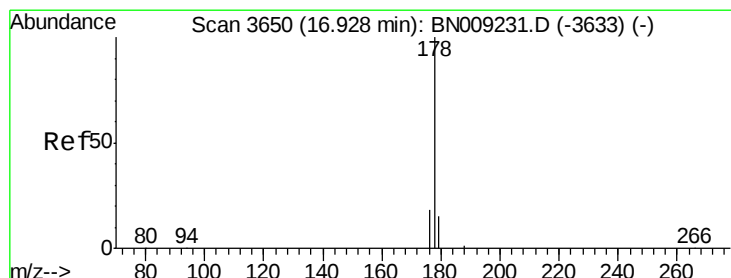
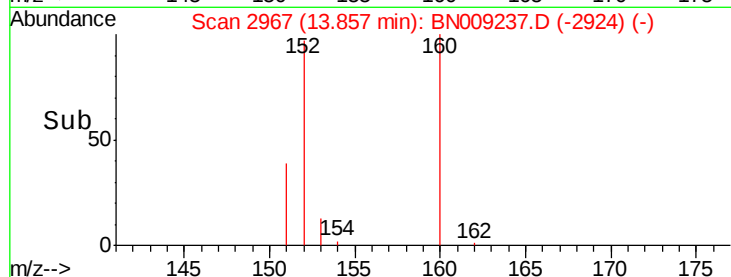
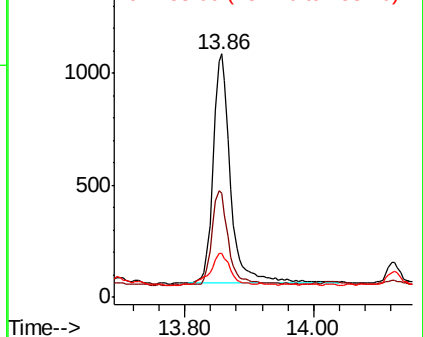
153 18.0 10.8 16.2#



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



#12

Phenanthrene

Concen: 0.308 ng/ul

RT: 16.93 min Scan# 3650

Delta R.T. 0.00 min

Lab File: BN009237.D

Acq: 28 Dec 2019 20:29

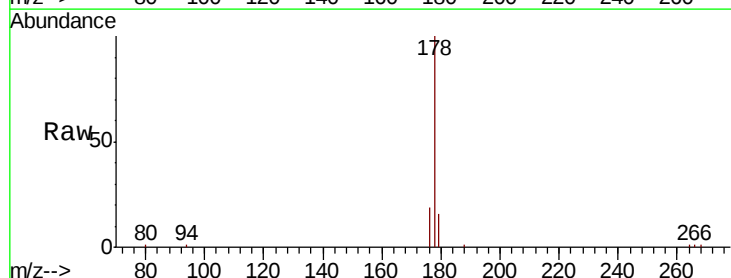
Tgt Ion:178 Resp: 10115

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

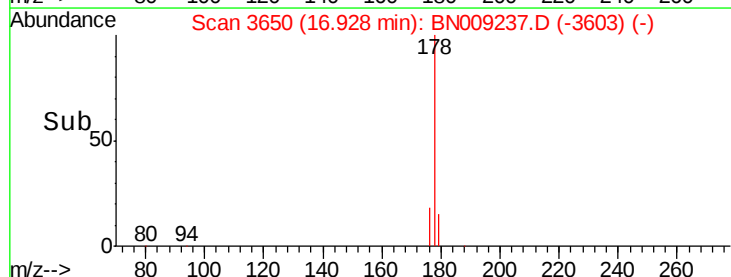
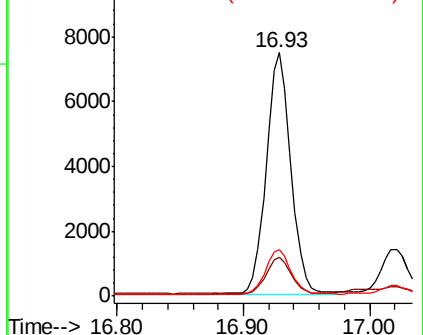
176 19.1 15.1 22.7

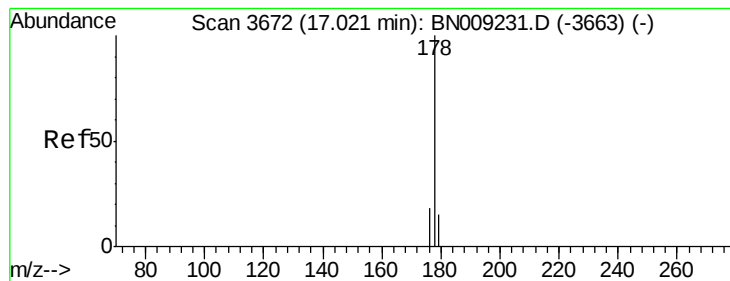


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.067 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. 0.00 min

Lab File: BN009237.D

Acq: 28 Dec 2019 20:29

Instrument :

BNA_N

ClientSampleId :

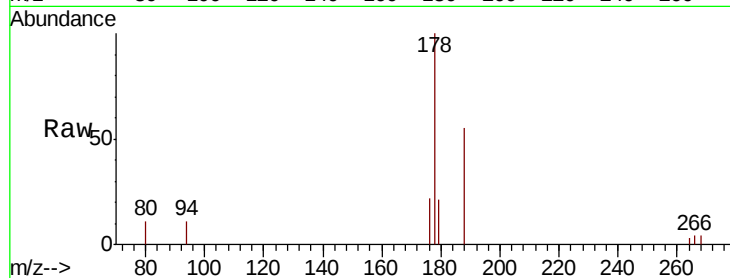
Tot Ion:178 Resp: 1978

Ion Ratio Lower Upper

178 100

179 21.4 12.5 18.7#

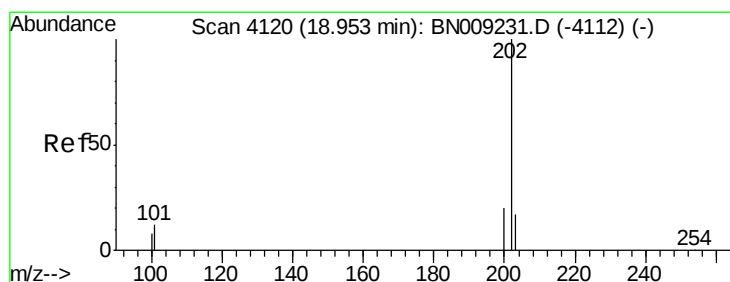
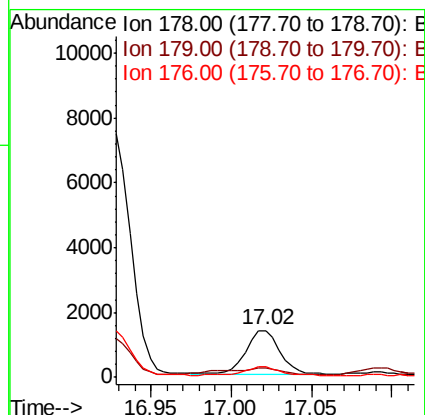
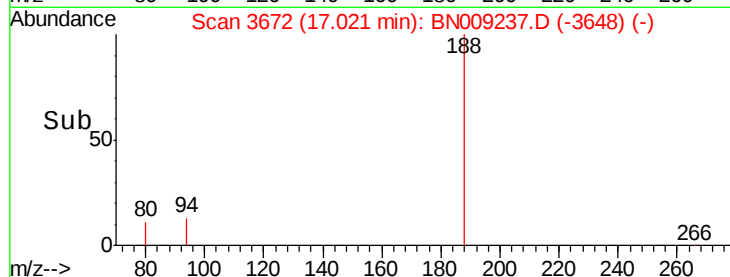
176 22.0 14.9 22.3



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: 0.561 ng/ul

RT: 18.95 min Scan# 4120

Delta R.T. 0.00 min

Lab File: BN009237.D

Acq: 28 Dec 2019 20:29

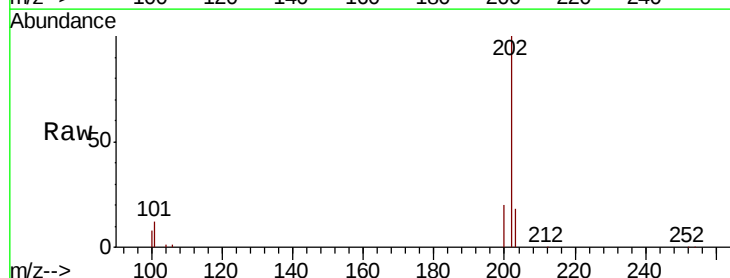
Tgt Ion:202 Resp: 21033

Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.5

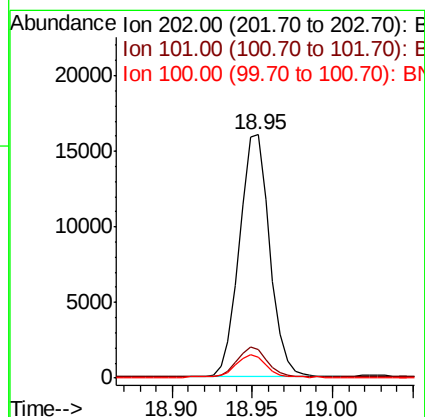
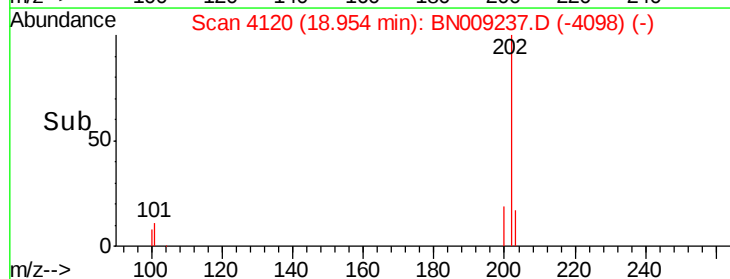
100 8.4 0.0 28.9

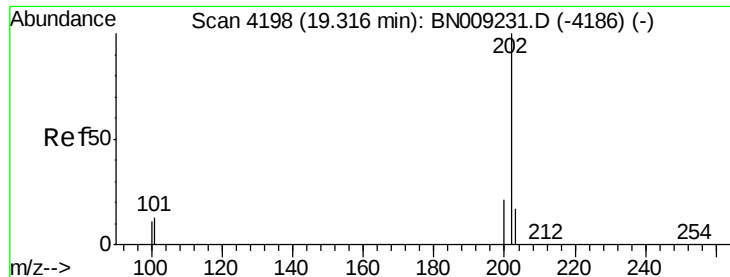


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

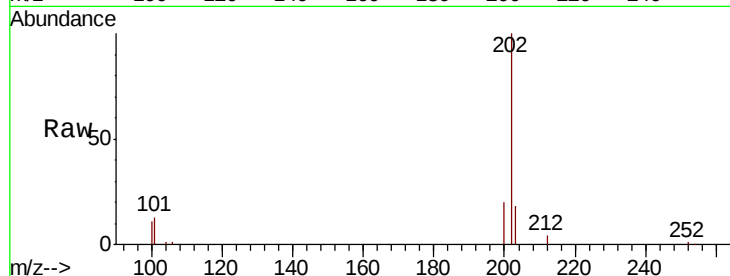




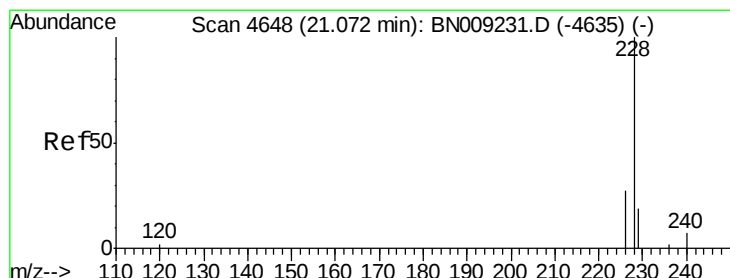
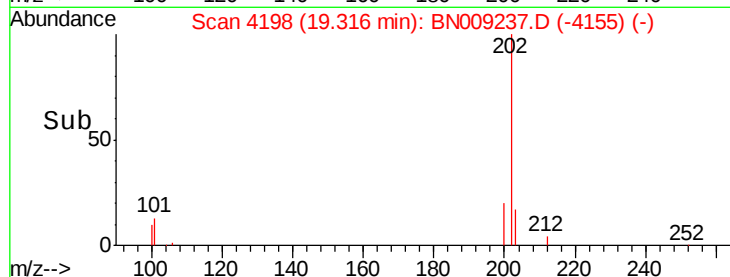
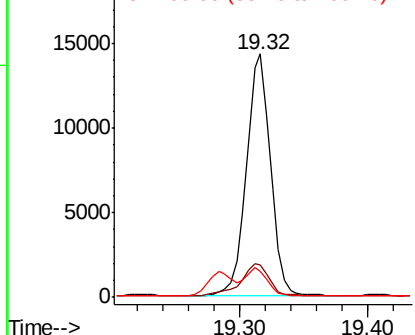
#17
Pvrene
Concen: 0.487 ng/ul
RT: 19.32 min Scan# 4198
Delta R.T. 0.00 min
Lab File: BN009237.D
Acq: 28 Dec 2019 20:29

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 18594
Ion Ratio Lower Upper
202 100
101 13.5 10.9 16.3
100 10.5 9.0 13.6

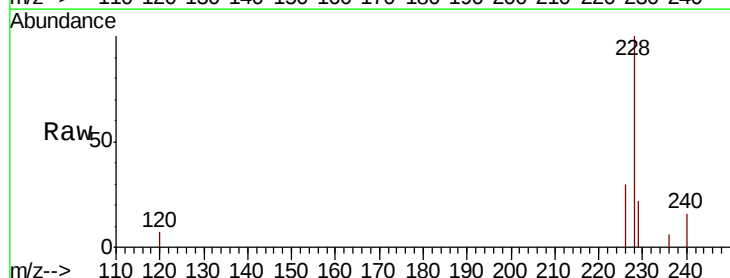


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

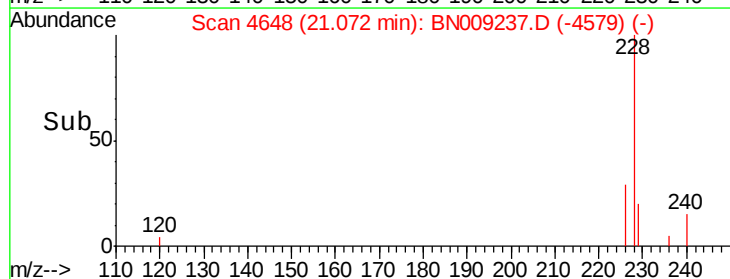
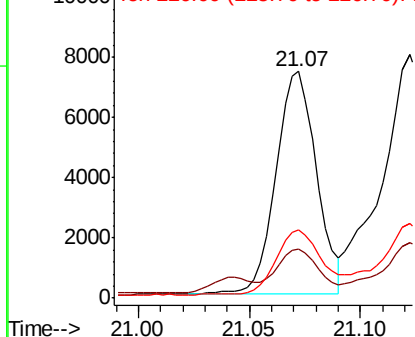


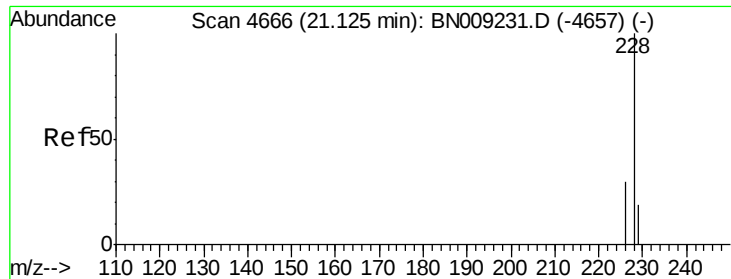
#18
Benzo(a)anthracene
Concen: 0.281 ng/ul
RT: 21.07 min Scan# 4648
Delta R.T. 0.00 min
Lab File: BN009237.D
Acq: 28 Dec 2019 20:29

Tgt Ion:228 Resp: 9327
Ion Ratio Lower Upper
228 100
229 21.7 15.5 23.3
226 30.1 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: 0.358 ng/ul

RT: 21.12 min Scan# 4665

Delta R.T. -0.00 min

Lab File: BN009237.D

Acq: 28 Dec 2019 20:29

Instrument :

BNA_N

ClientSampleId :

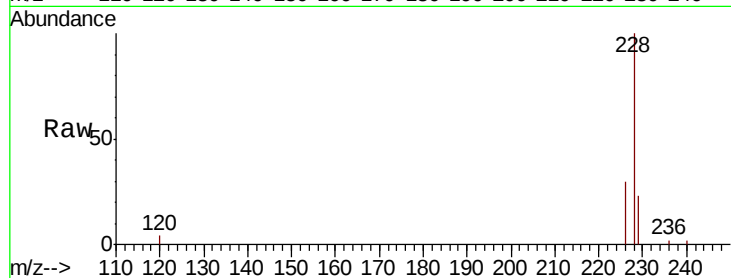
Tot Ion:228 Resp: 11965

Ion Ratio Lower Upper

228 100

226 30.5 23.7 35.5

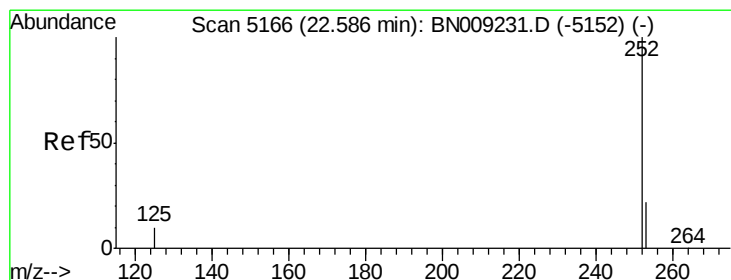
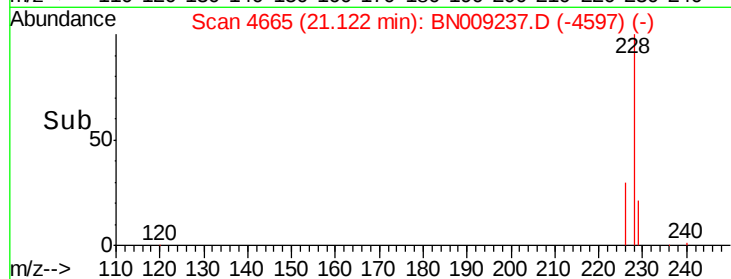
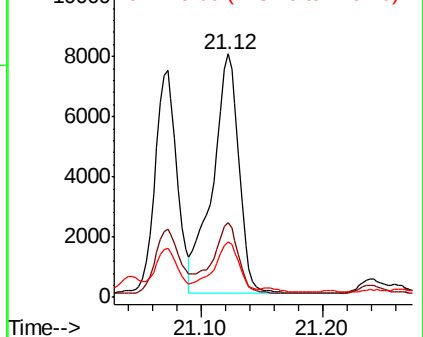
229 22.7 15.4 23.0



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: 0.630 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. 0.00 min

Lab File: BN009237.D

Acq: 28 Dec 2019 20:29

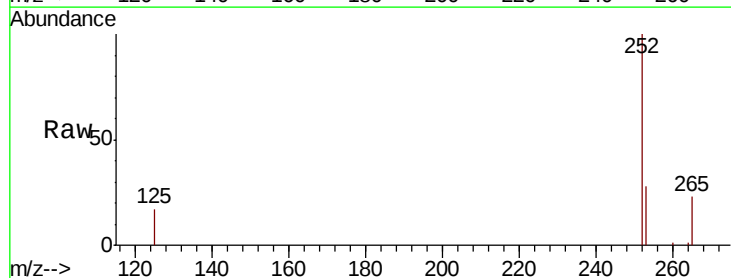
Tgt Ion:252 Resp: 22688

Ion Ratio Lower Upper

252 100

253 27.5 0.0 48.2

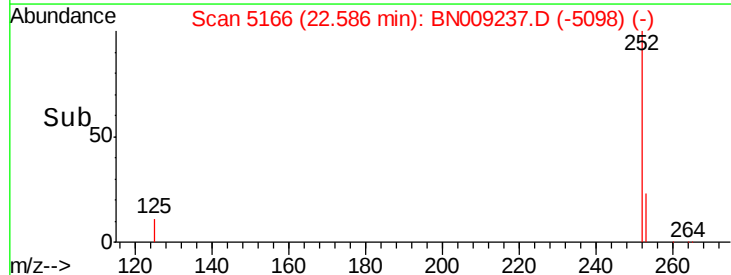
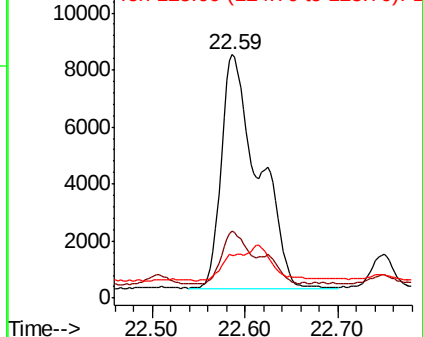
125 17.3 0.0 30.0

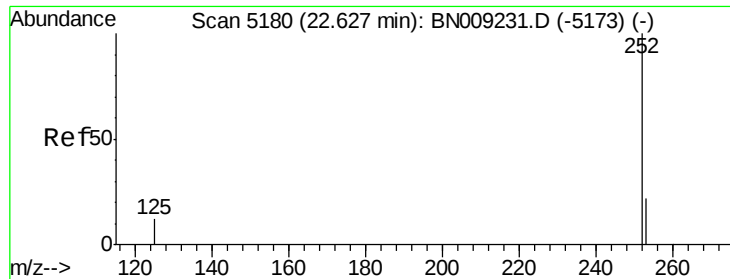


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.625 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. -0.04 min

Lab File: BN009237.D

Acq: 28 Dec 2019 20:29

Instrument :

BNA_N

ClientSampleId :

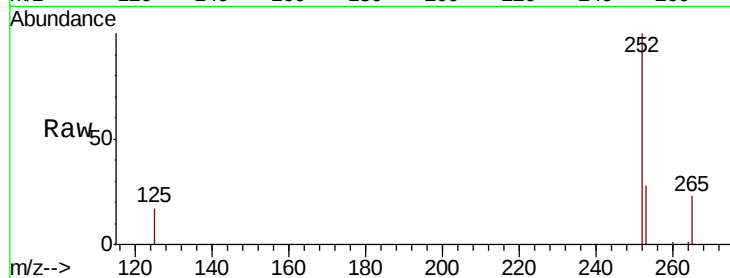
Tot Ion:252 Resp: 22688

Ion Ratio Lower Upper

252 100

253 27.5 19.4 29.0

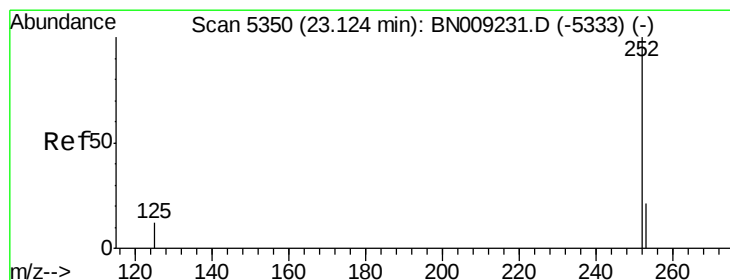
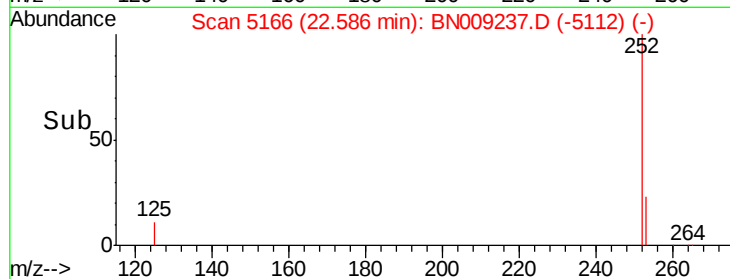
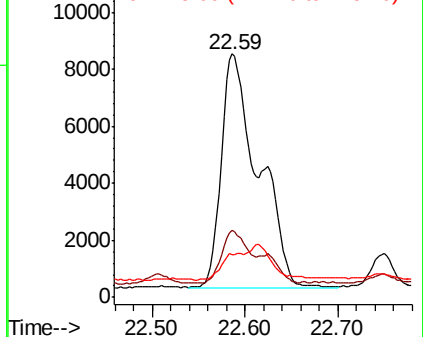
125 17.3 12.4 18.6



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: 0.316 ng/ul

RT: 23.12 min Scan# 5349

Delta R.T. -0.00 min

Lab File: BN009237.D

Acq: 28 Dec 2019 20:29

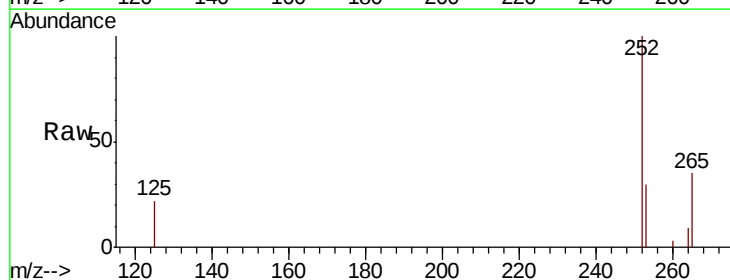
Tgt Ion:252 Resp: 9961

Ion Ratio Lower Upper

252 100

253 29.8 20.2 30.4

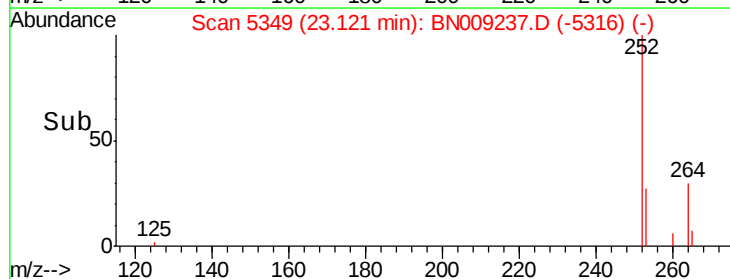
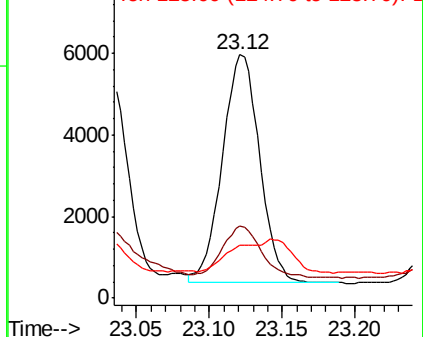
125 21.9 13.2 19.8#

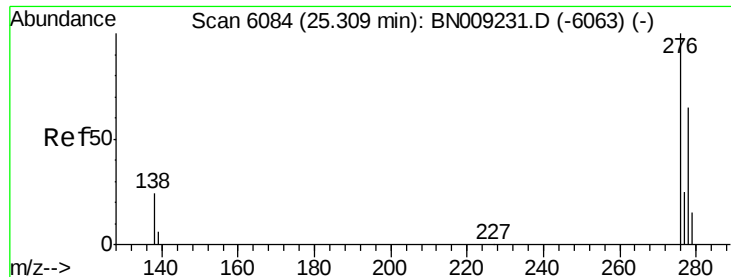


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



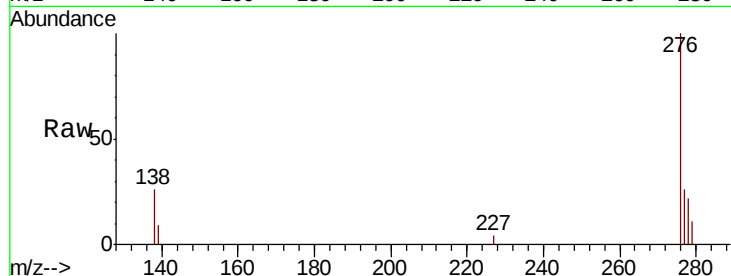


#24

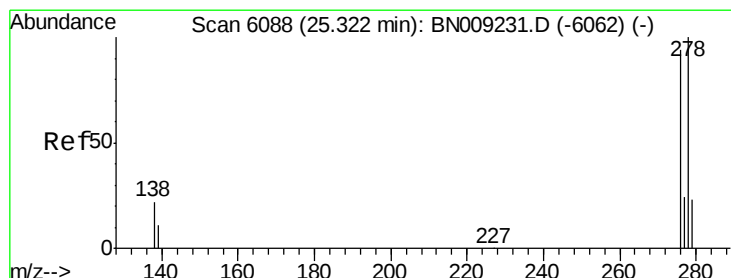
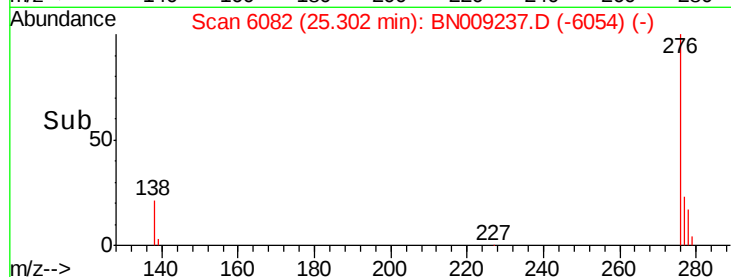
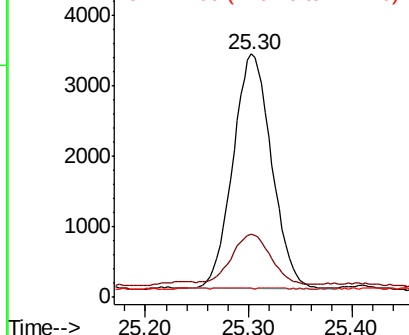
Indeno(1,2,3-cd)pyrene
Concen: 0.253 ng/ul
RT: 25.30 min Scan# 6082
Delta R.T. -0.01 min
Lab File: BN009237.D
Acq: 28 Dec 2019 20:29

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 8708
Ion Ratio Lower Upper
276 100
138 21.5 22.4 33.6#
227 0.3 0.2 0.4



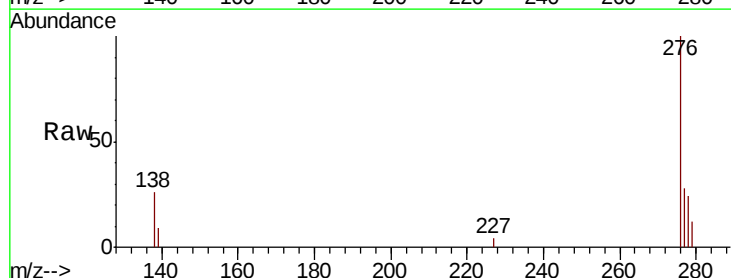
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



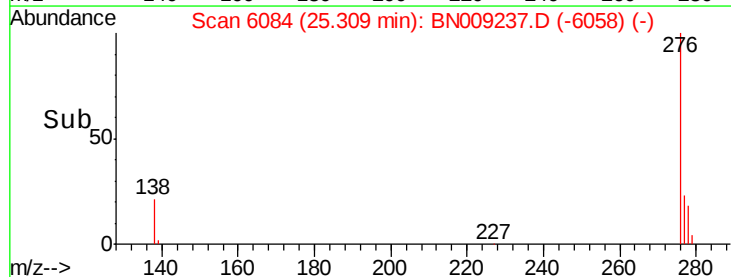
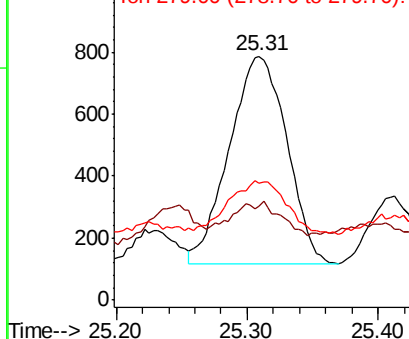
#25

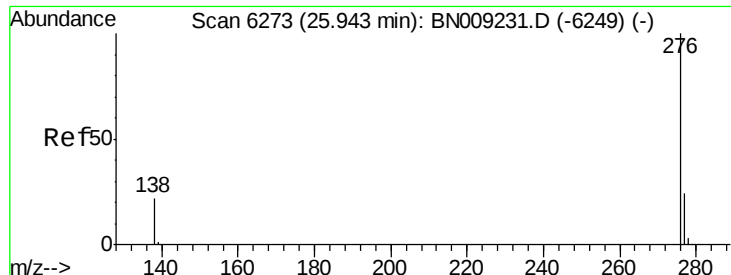
Dibenzo(a,h)anthracene
Concen: 0.075 ng/ul
RT: 25.31 min Scan# 6084
Delta R.T. -0.01 min
Lab File: BN009237.D
Acq: 28 Dec 2019 20:29

Tgt Ion:278 Resp: 2038
Ion Ratio Lower Upper
278 100
139 38.5 16.2 24.2#
279 47.8 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

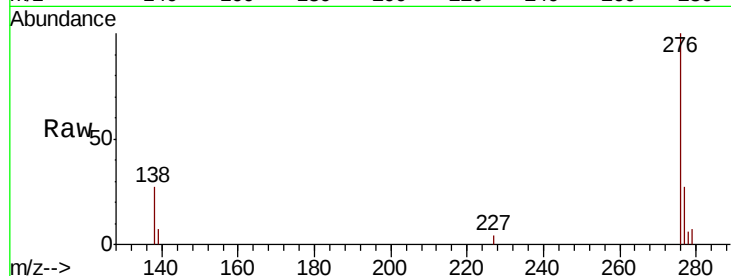




#26
Benzo(a,h,i)perylene
Concen: 0.304 ng/ul
RT: 25.94 min Scan# 6271
Delta R.T. -0.01 min
Lab File: BN009237.D
Acq: 28 Dec 2019 20:29

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.0	20.6	30.8
277	27.1	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

