

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009228.D
 Acq On : 28 Dec 2019 15:06
 Operator : JU
 Sample : K6278-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 29 03:38:06 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 03:34:38 2019
 Response via : Initial Calibration

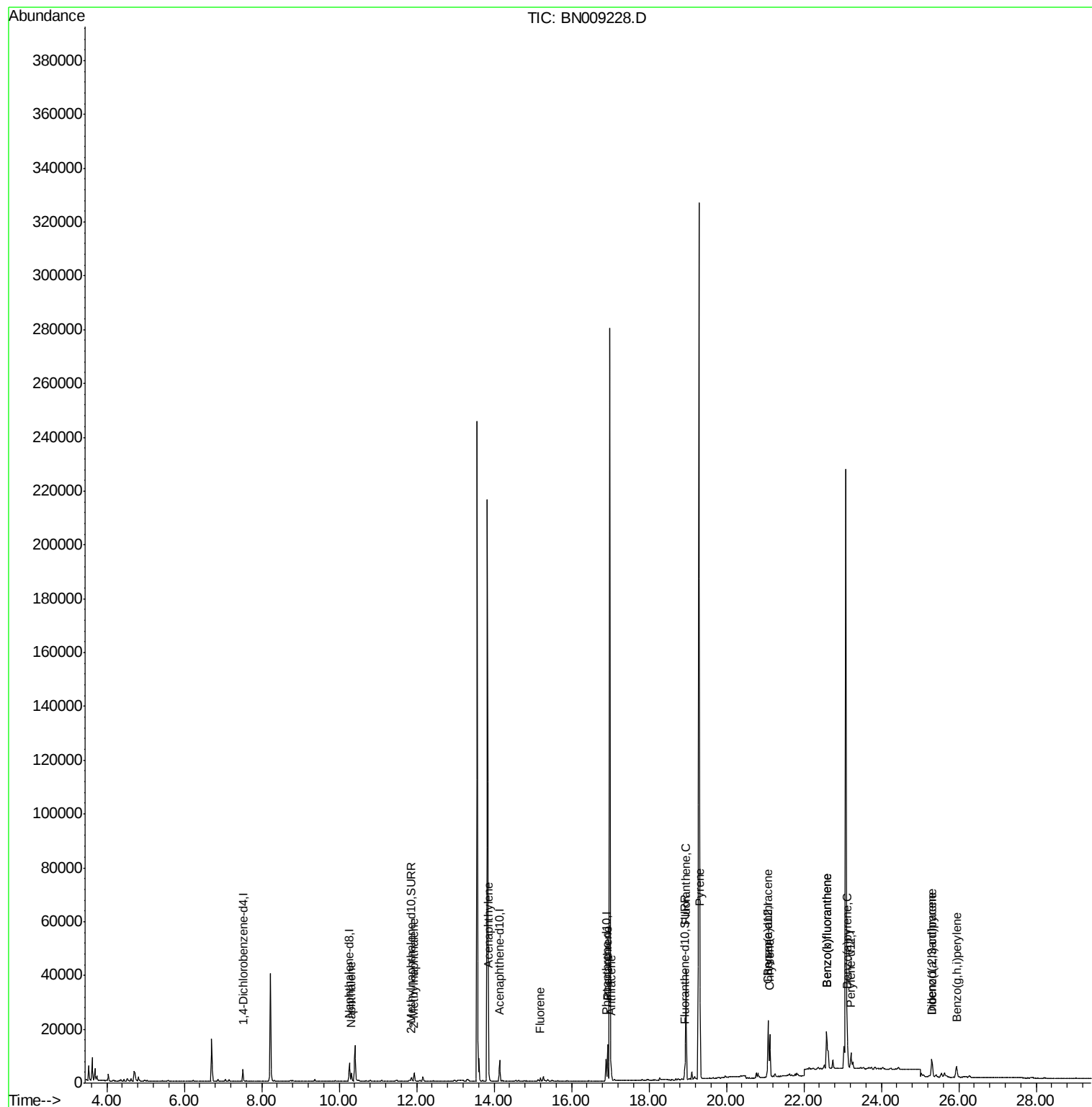
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2212	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	8181	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	4419	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	8932	0.40	ng/ul	0.00
16) Chrysene-d12	21.09	240	6863	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	7142	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	1839	0.13	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	4277	0.16	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	4134	0.167	ng/ul	96
5) 2-Methylnaphthalene	11.94	142	2321	0.124	ng/ul	99
7) Acenaphthylene	13.86	152	3616	0.156	ng/ul	96
9) Fluorene	15.20	166	849	0.039	ng/ul#	92
12) Phenanthrene	16.93	178	13587	0.437	ng/ul	99
13) Anthracene	17.02	178	4281	0.154	ng/ul	95
15) Fluoranthene	18.95	202	33839	0.953	ng/ul	99
17) Pyrene	19.32	202	26167	0.747	ng/ul	100
18) Benzo(a)anthracene	21.07	228	16345	0.536	ng/ul#	92
19) Chrysene	21.12	228	15660	0.511	ng/ul#	93
21) Benzo(b)fluoranthene	22.59	252	28668	0.860	ng/ul	88
22) Benzo(k)fluoranthene	22.59	252	28668	0.853	ng/ul#	88
23) Benzo(a)pyrene	23.12	252	12543	0.429	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.31	276	9149	0.287	ng/ul#	88
25) Dibenzo(a,h)anthracene	25.31	278	2993	0.118	ng/ul#	43
26) Benzo(a,h,i)perylene	25.94	276	7600	0.283	ng/ul#	86

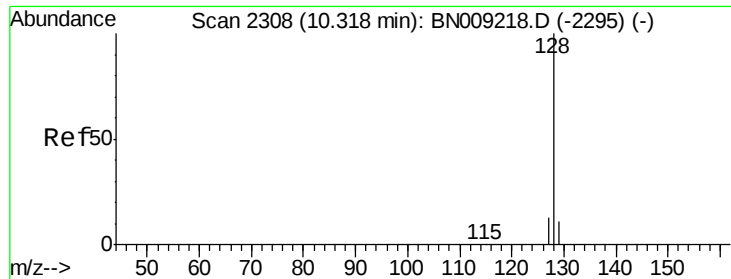
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sun Dec 29 03:34:38 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.167 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. -0.01 min

Lab File: BN009228.D

Acq: 28 Dec 2019 15:06

Instrument :

BNA_N

ClientSampleId :

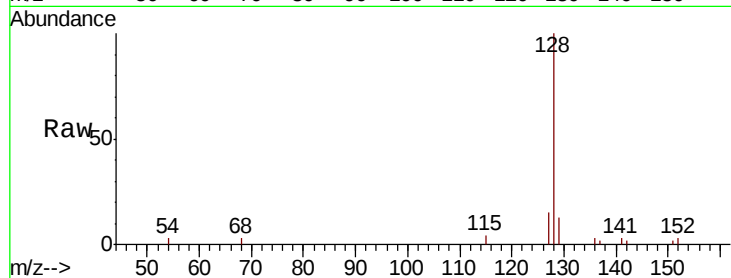
Tot Ion:128 Resp: 4134

Ion Ratio Lower Upper

128 100

129 13.2 9.0 13.4

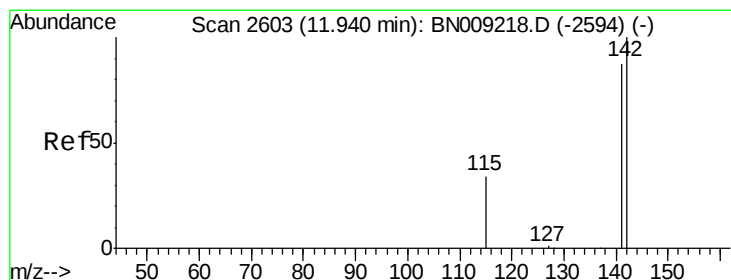
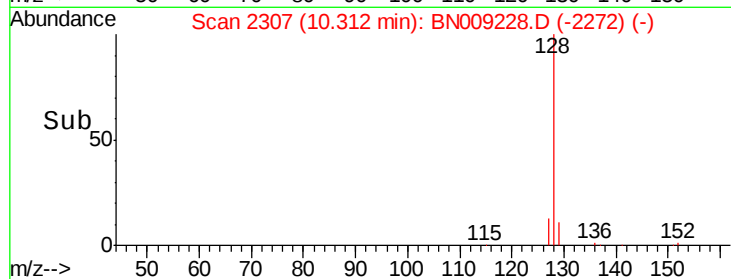
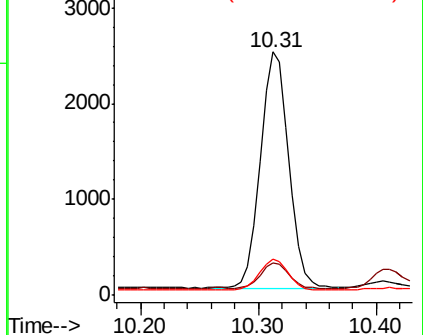
127 14.9 10.9 16.3



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: 0.124 ng/ul

RT: 11.94 min Scan# 2603

Delta R.T. 0.00 min

Lab File: BN009228.D

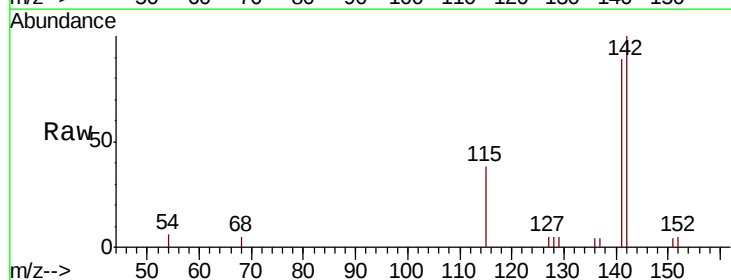
Acq: 28 Dec 2019 15:06

Tgt Ion:142 Resp: 2321

Ion Ratio Lower Upper

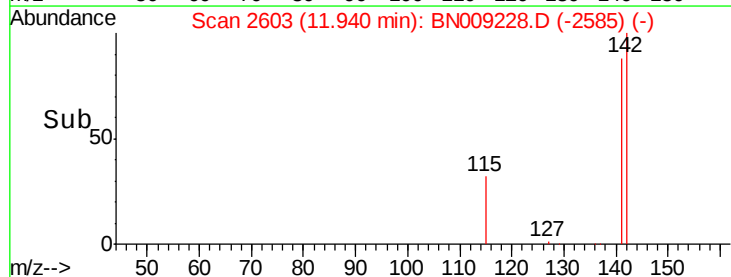
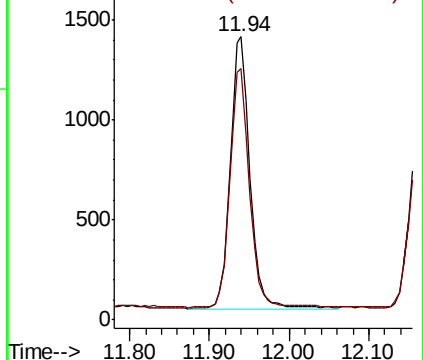
142 100

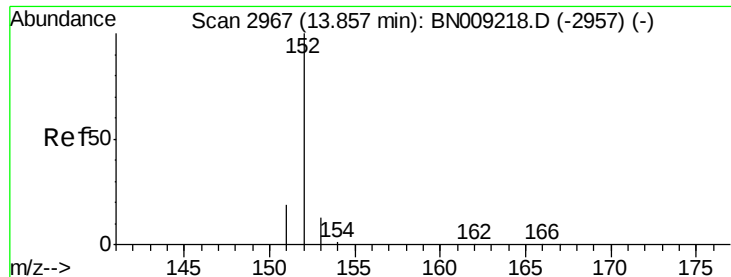
141 87.1 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.156 ng/ul

RT: 13.86 min Scan# 2967

Delta R.T. 0.00 min

Lab File: BN009228.D

Acq: 28 Dec 2019 15:06

Instrument :

BNA_N

ClientSampleId :

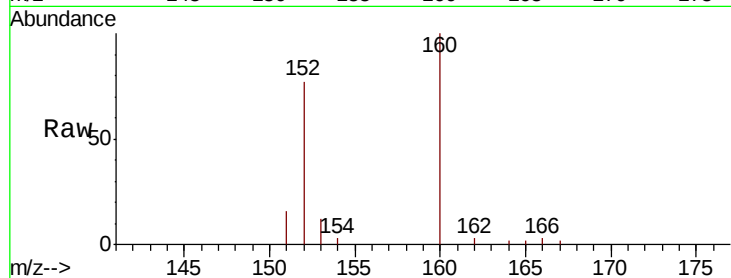
Tot Ion:152 Resp: 3616

Ion Ratio Lower Upper

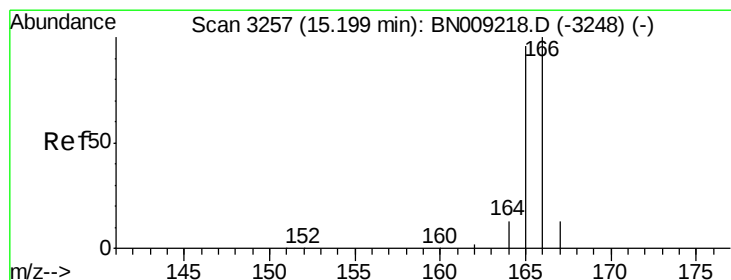
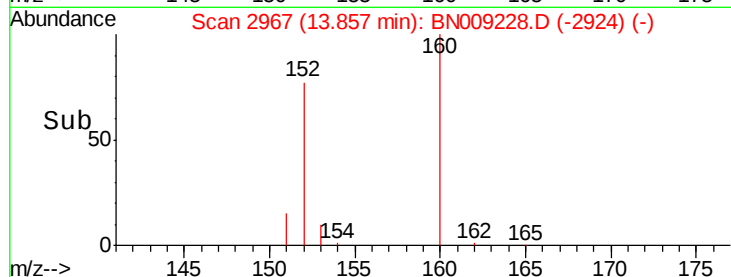
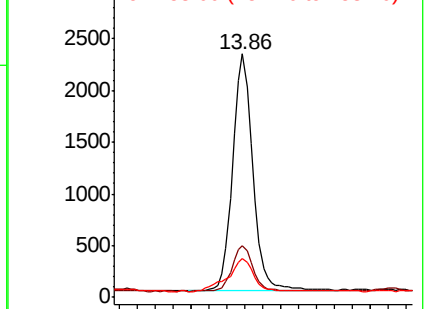
152 100

151 21.3 15.7 23.5

153 15.7 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



#9

Fluorene

Concen: 0.039 ng/ul

RT: 15.20 min Scan# 3257

Delta R.T. 0.00 min

Lab File: BN009228.D

Acq: 28 Dec 2019 15:06

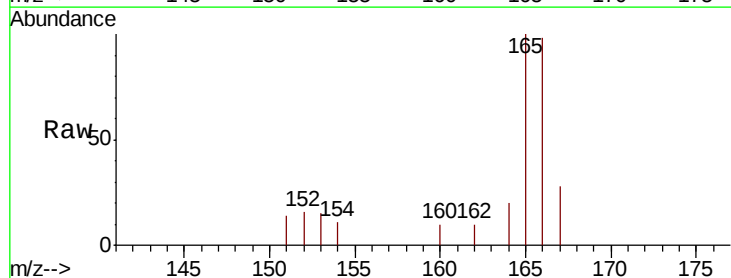
Tgt Ion:166 Resp: 849

Ion Ratio Lower Upper

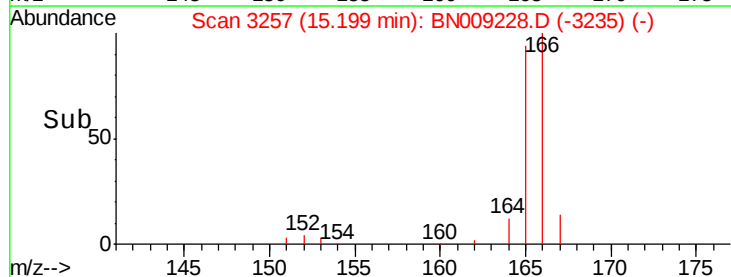
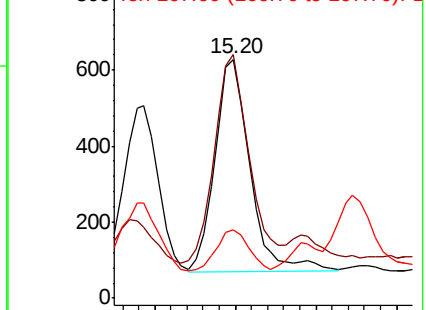
166 100

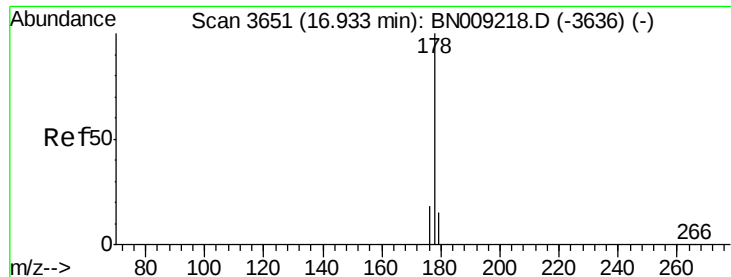
165 102.1 78.2 117.4

167 28.7 11.0 16.6#



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





#12

Phenanthrene

Concen: 0.437 ng/ul

RT: 16.93 min Scan# 3650

Delta R.T. -0.00 min

Lab File: BN009228.D

Acq: 28 Dec 2019 15:06

Instrument :

BNA_N

ClientSampleId :

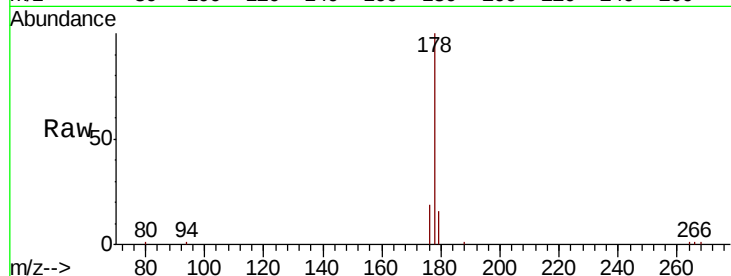
Tot Ion:178 Resp: 13587

Ion Ratio Lower Upper

178 100

179 16.2 12.3 18.5

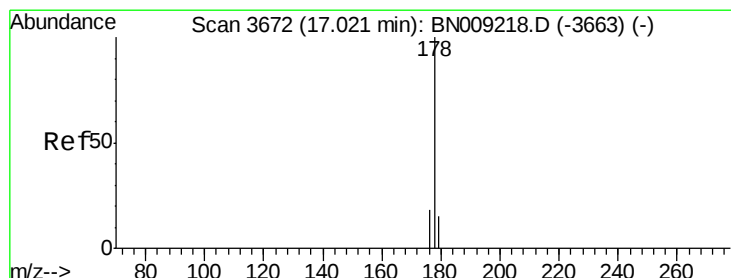
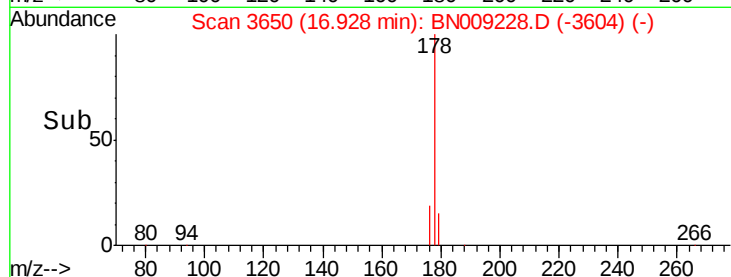
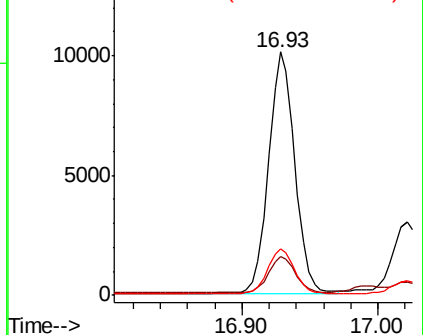
176 19.3 15.1 22.7



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: 0.154 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. 0.00 min

Lab File: BN009228.D

Acq: 28 Dec 2019 15:06

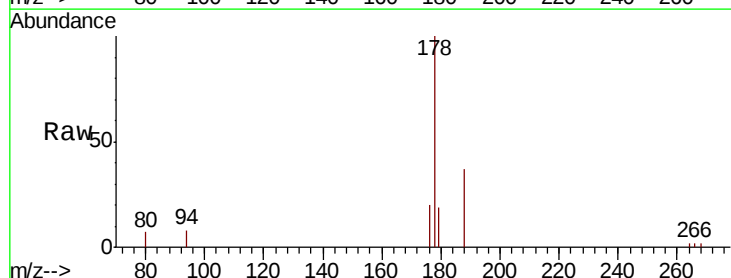
Tgt Ion:178 Resp: 4281

Ion Ratio Lower Upper

178 100

179 18.7 12.5 18.7

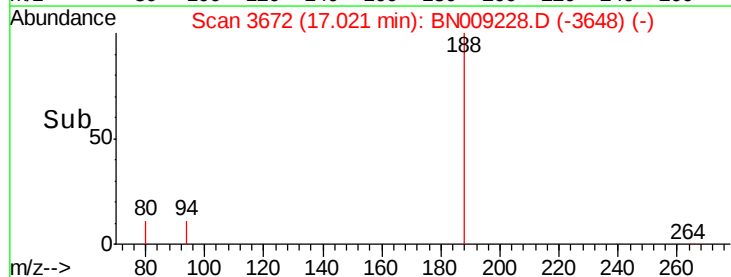
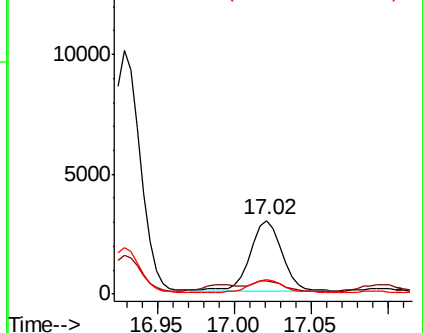
176 19.9 14.9 22.3

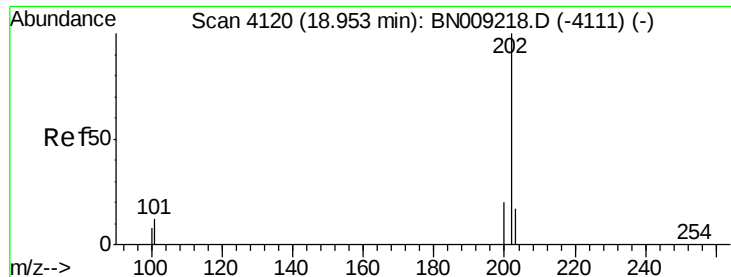


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

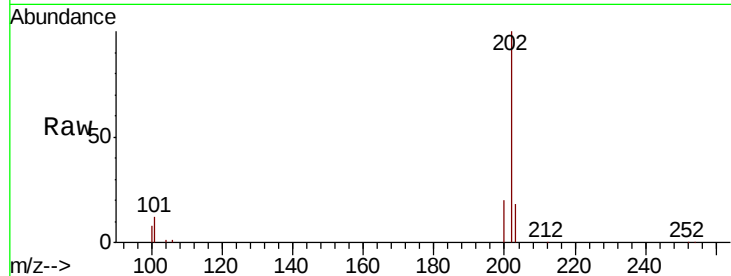




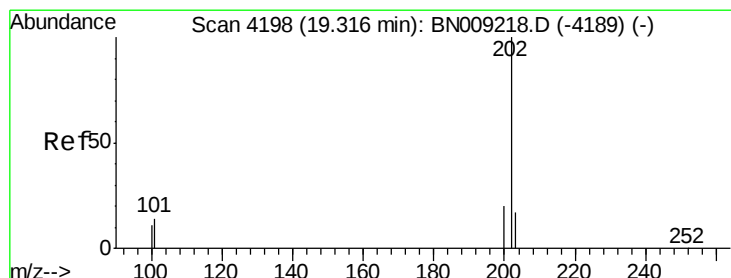
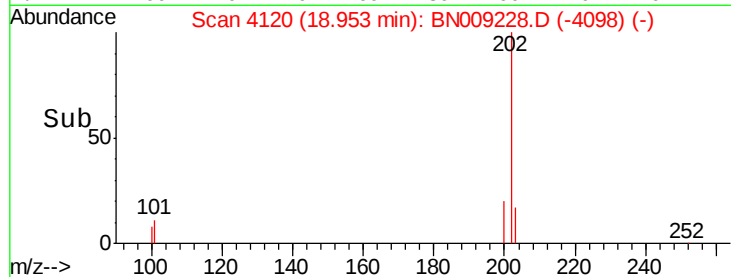
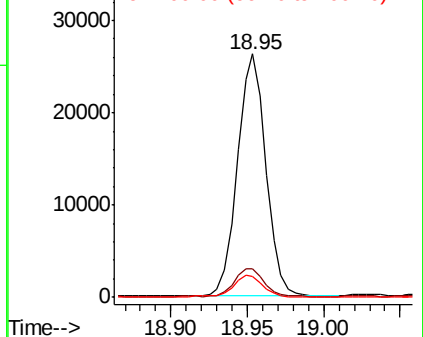
#15
 Fluoranthene
 Concen: 0.953 ng/ul
 RT: 18.95 min Scan# 4120
 Delta R.T. 0.00 min
 Lab File: BN009228.D
 Acq: 28 Dec 2019 15:06

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.5
100	8.4	0.0	28.9

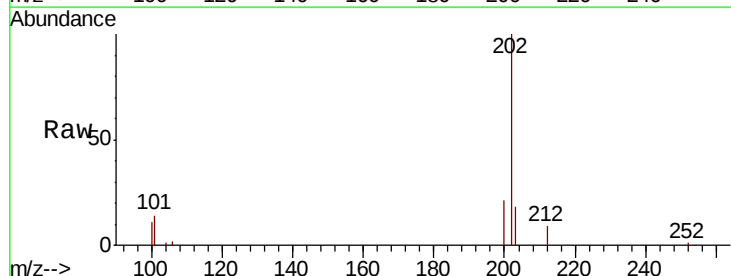


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

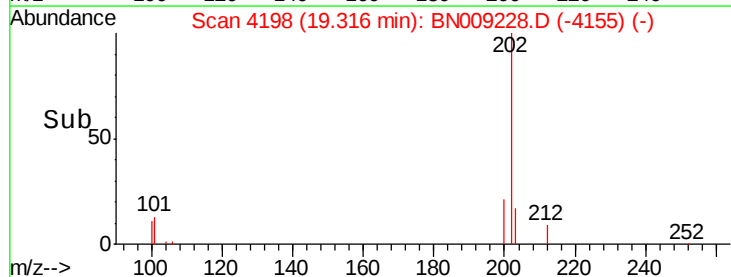
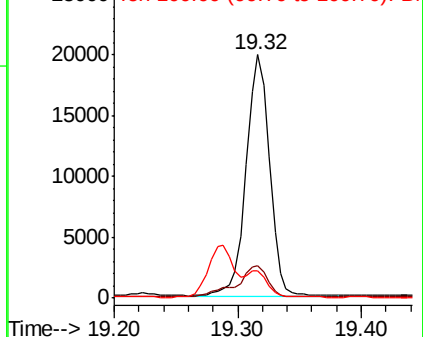


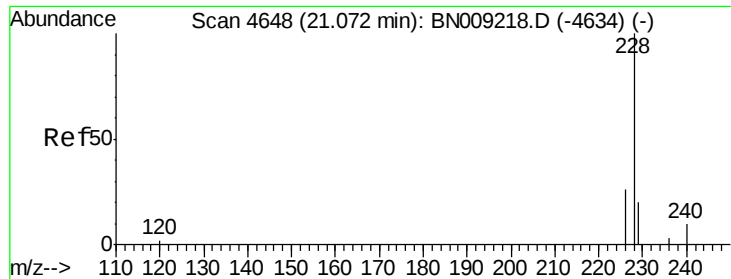
#17
 Pyrene
 Concen: 0.747 ng/ul
 RT: 19.32 min Scan# 4198
 Delta R.T. 0.00 min
 Lab File: BN009228.D
 Acq: 28 Dec 2019 15:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	10.9	16.3
100	11.2	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: 0.536 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.00 min

Lab File: BN009228.D

Acq: 28 Dec 2019 15:06

Instrument :

BNA_N

ClientSampleId :

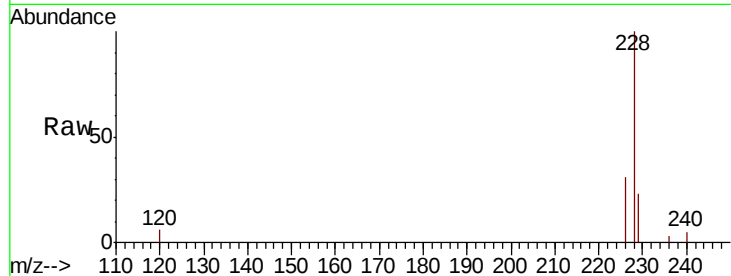
Tot Ion:228 Resp: 16345

Ion Ratio Lower Upper

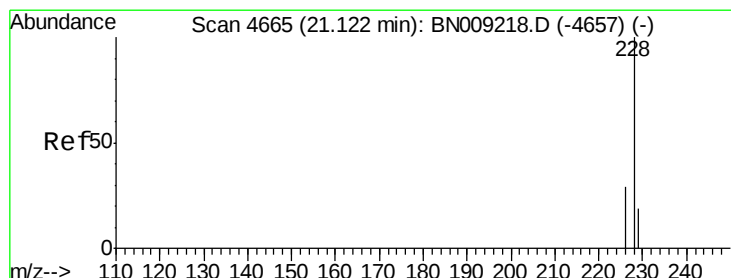
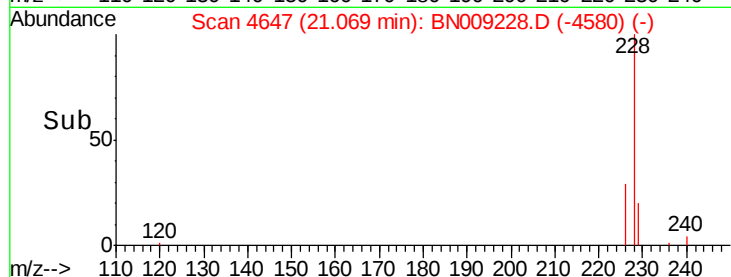
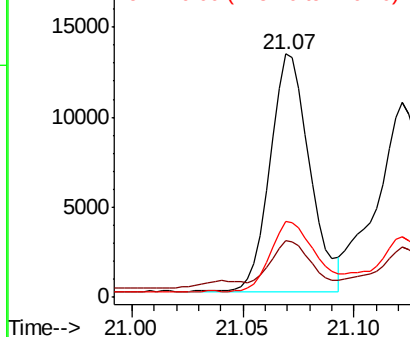
228 100

229 23.3 15.5 23.3#

226 31.0 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: 0.511 ng/ul

RT: 21.12 min Scan# 4665

Delta R.T. 0.00 min

Lab File: BN009228.D

Acq: 28 Dec 2019 15:06

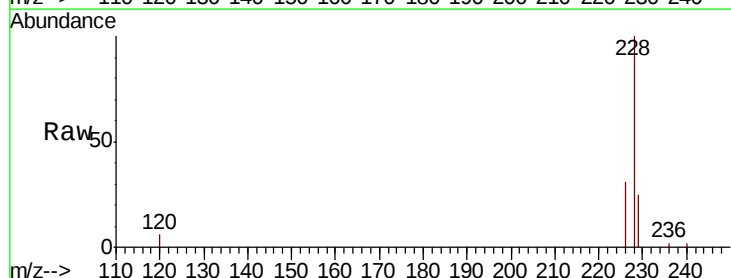
Tgt Ion:228 Resp: 15660

Ion Ratio Lower Upper

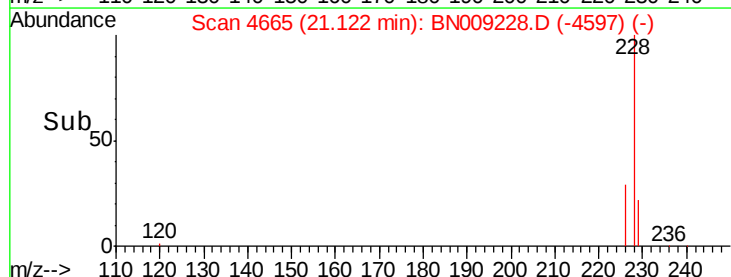
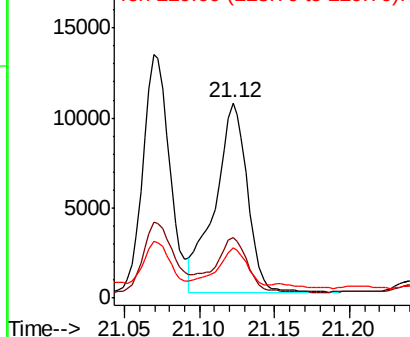
228 100

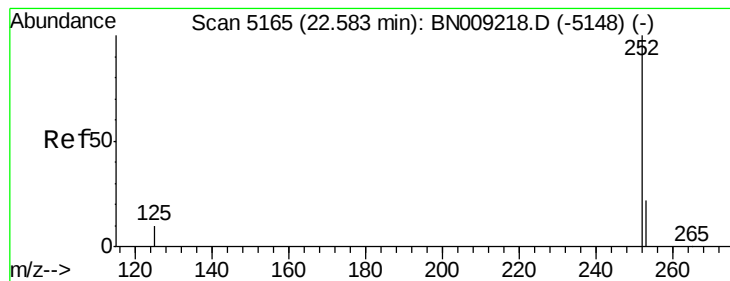
226 31.0 23.7 35.5

229 25.5 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: 0.860 ng/ul

RT: 22.59 min Scan# 5167

Delta R.T. 0.01 min

Lab File: BN009228.D

Acq: 28 Dec 2019 15:06

Instrument :

BNA_N

ClientSampleId :

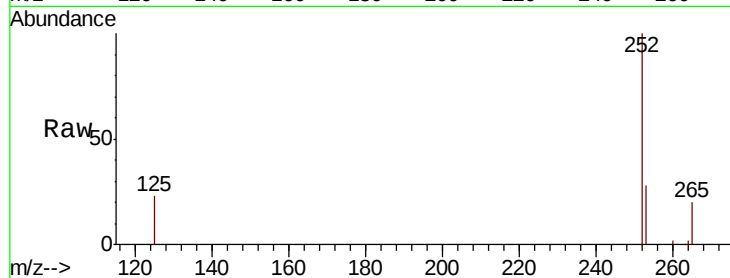
Tot Ion:252 Resp: 28668

Ion Ratio Lower Upper

252 100

253 28.4 0.0 48.2

125 22.6 0.0 30.0

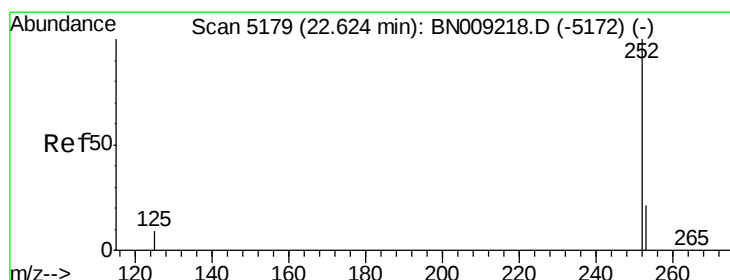
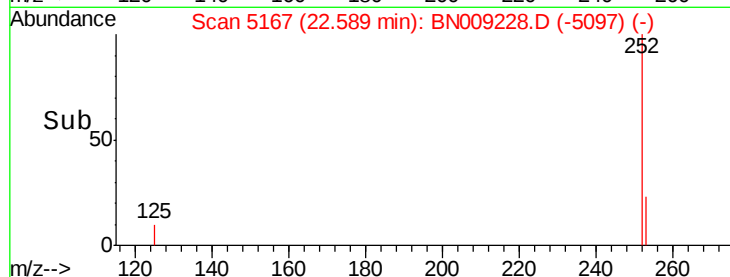
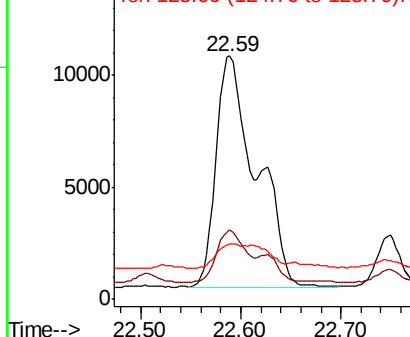


Abundance

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: 0.853 ng/ul

RT: 22.59 min Scan# 5167

Delta R.T. -0.04 min

Lab File: BN009228.D

Acq: 28 Dec 2019 15:06

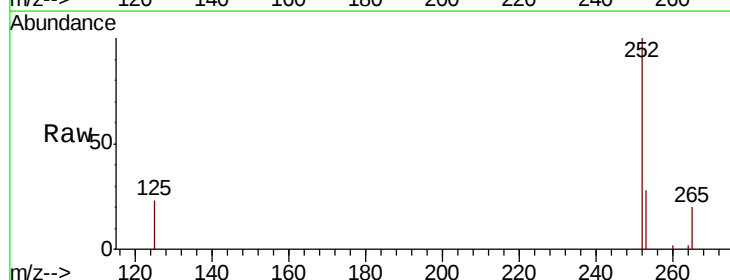
Tgt Ion:252 Resp: 28668

Ion Ratio Lower Upper

252 100

253 28.4 19.4 29.0

125 22.6 12.4 18.6#

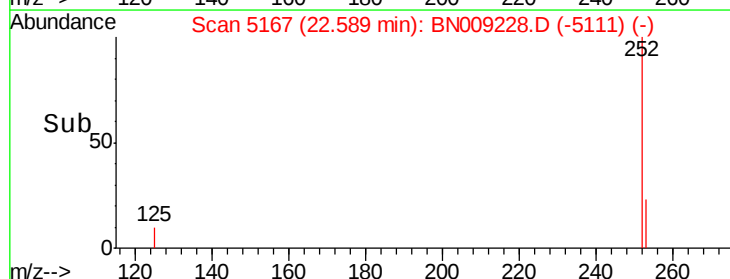
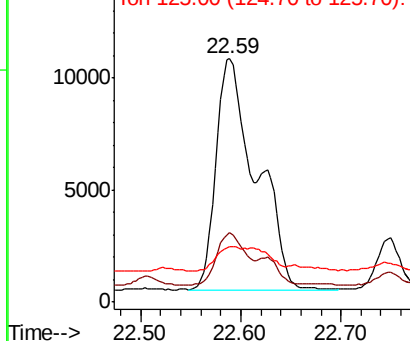


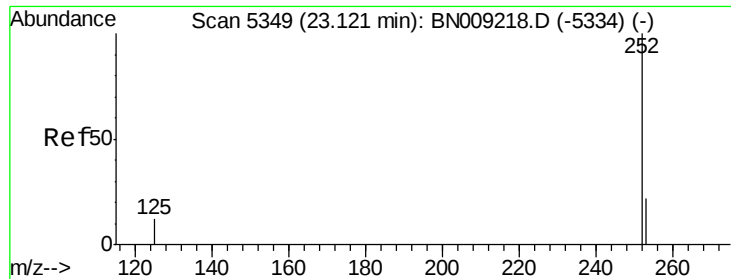
Abundance

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: 0.429 ng/u1

RT: 23.12 min Scan# 5349

Delta R.T. 0.00 min

Lab File: BN009228.D

Acq: 28 Dec 2019 15:06

Instrument :

BNA_N

ClientSampleId :

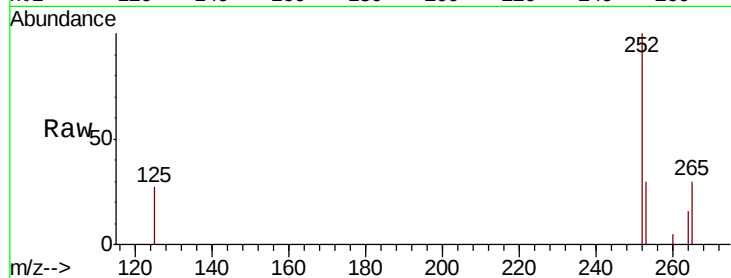
Tot Ion:252 Resp: 12543

Ion Ratio Lower Upper

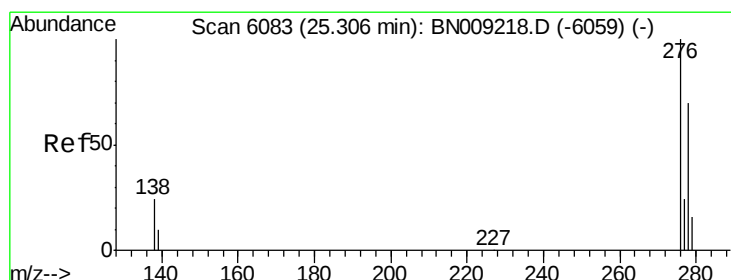
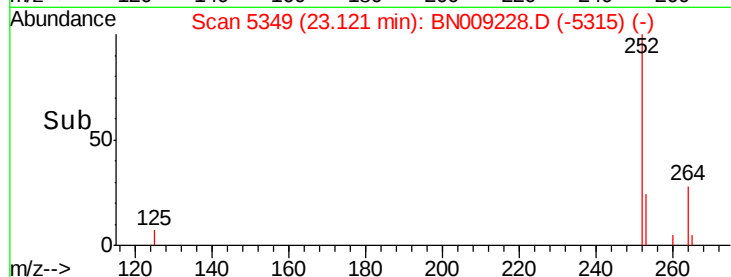
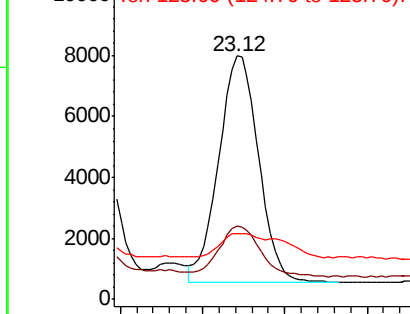
252 100

253 30.2 20.2 30.4

125 27.2 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: 0.287 ng/u1

RT: 25.31 min Scan# 6083

Delta R.T. 0.00 min

Lab File: BN009228.D

Acq: 28 Dec 2019 15:06

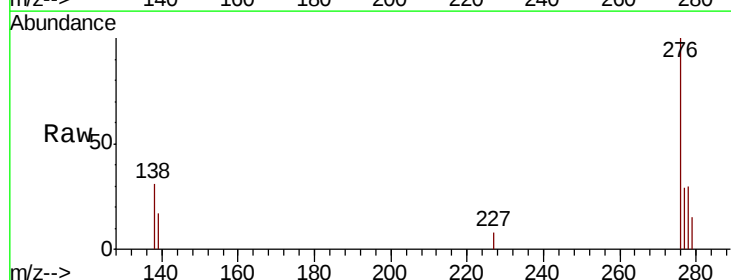
Tgt Ion:276 Resp: 9149

Ion Ratio Lower Upper

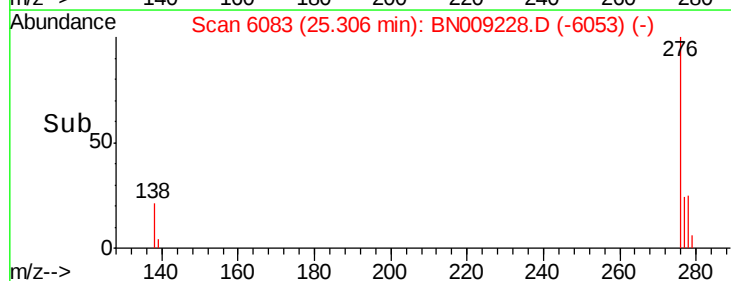
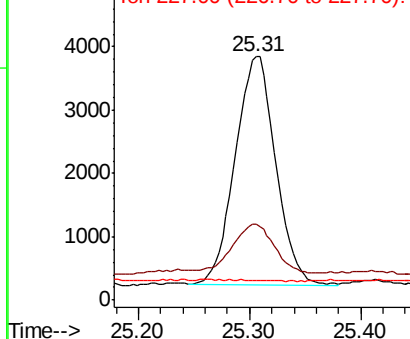
276 100

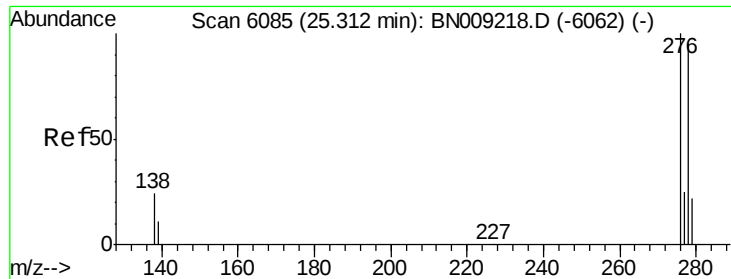
138 21.7 22.4 33.6#

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: 0.118 ng/ul

RT: 25.31 min Scan# 6084

Delta R.T. -0.00 min

Lab File: BN009228.D

Acq: 28 Dec 2019 15:06

Instrument :

BNA_N

ClientSampleId :

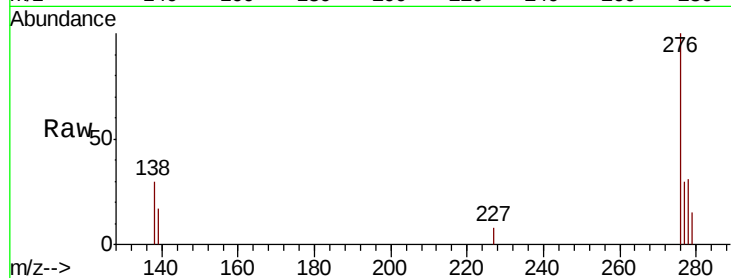
Tot Ion:278 Resp: 2993

Ion Ratio Lower Upper

278 100

139 53.2 16.2 24.2#

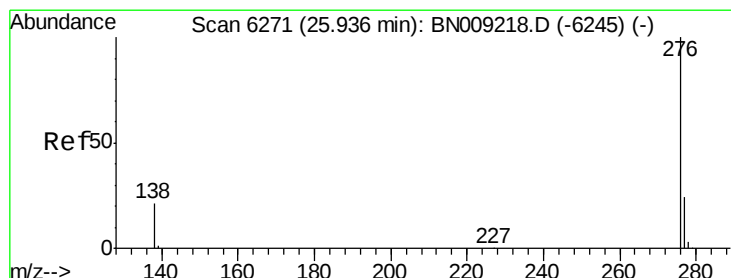
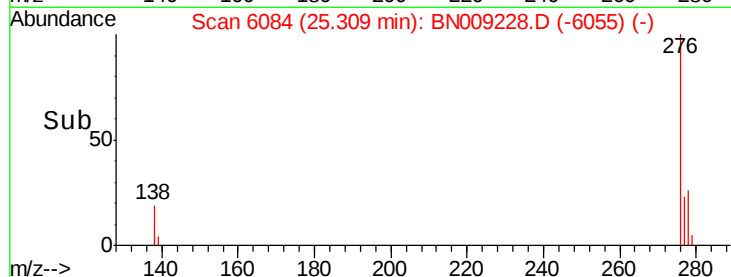
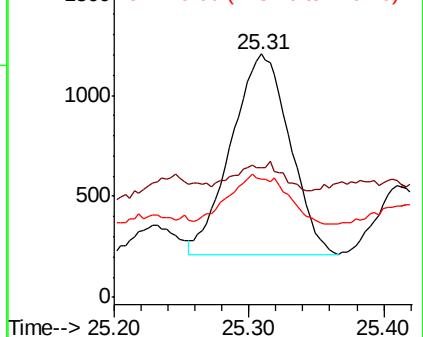
279 48.3 20.3 30.5#



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(g,h,i)perylene

Concen: 0.283 ng/ul

RT: 25.94 min Scan# 6272

Delta R.T. 0.00 min

Lab File: BN009228.D

Acq: 28 Dec 2019 15:06

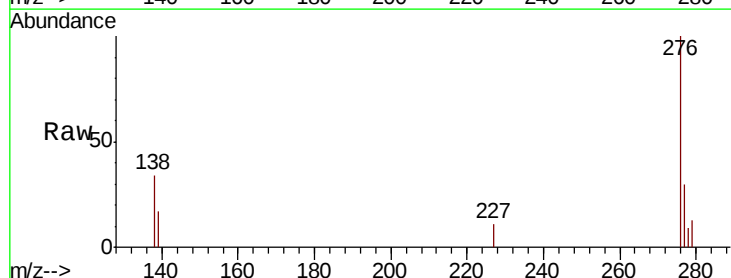
Tgt Ion:276 Resp: 7600

Ion Ratio Lower Upper

276 100

138 33.6 20.6 30.8#

277 30.5 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

