

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009225.D
 Acq On : 28 Dec 2019 13:18
 Operator : JU
 Sample : K6278-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 29 03:37:41 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

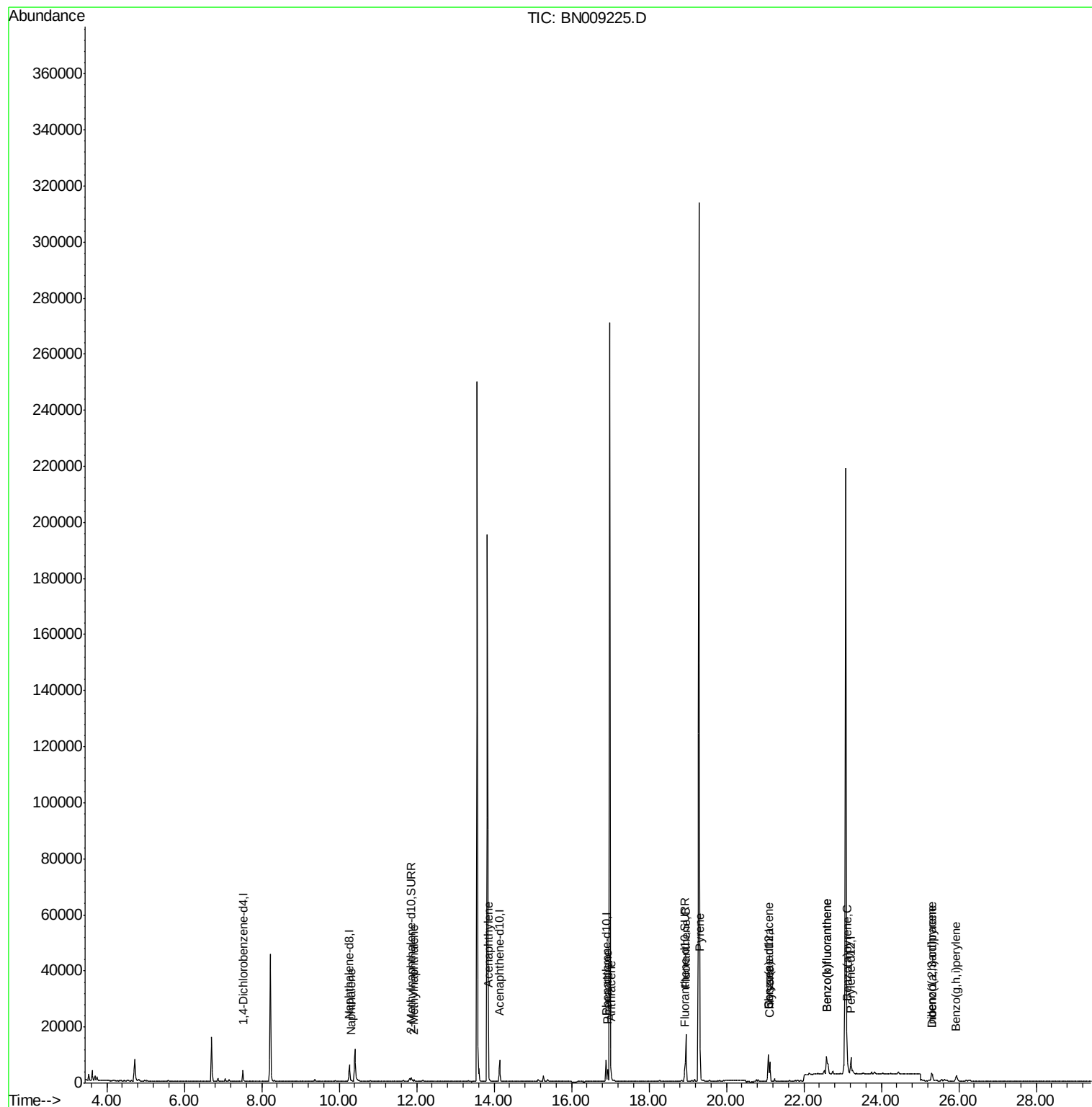
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2055	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	7494	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	4066	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	8284	0.40	ng/ul	0.00
16) Chrysene-d12	21.09	240	6584	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	6855	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	1719	0.13	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	3872	0.16	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	524	0.023	ng/ul#	65
5) 2-Methylnaphthalene	11.94	142	357	0.021	ng/ul	95
7) Acenaphthylene	13.86	152	498	0.023	ng/ul#	64
12) Phenanthrene	16.93	178	4458	0.155	ng/ul	96
13) Anthracene	17.02	178	750	0.029	ng/ul#	77
15) Fluoranthene	18.95	202	14058	0.427	ng/ul	99
17) Pyrene	19.32	202	11572	0.345	ng/ul	100
18) Benzo(a)anthracene	21.07	228	6043	0.207	ng/ul	96
19) Chrysene	21.12	228	6868	0.234	ng/ul	96
21) Benzo(b)fluoranthene	22.59	252	13008	0.406	ng/ul	88
22) Benzo(k)fluoranthene	22.59	252	13008	0.403	ng/ul#	89
23) Benzo(a)pyrene	23.12	252	5482	0.195	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.30	276	4332	0.142	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.31	278	1119	0.046	ng/ul#	43
26) Benzo(g,h,i)perylene	25.94	276	3674	0.143	ng/ul#	91

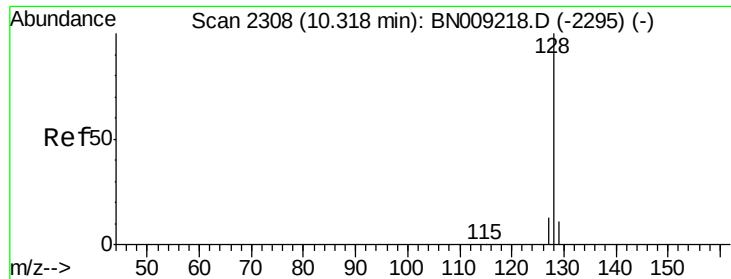
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.023 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. -0.01 min

Lab File: BN009225.D

Acq: 28 Dec 2019 13:18

Instrument :

BNA_N

ClientSampleId :

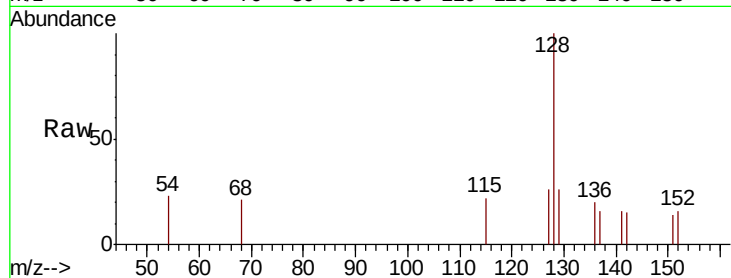
Tot Ion:128 Resp: 524

Ion Ratio Lower Upper

128 100

129 26.4 9.0 13.4#

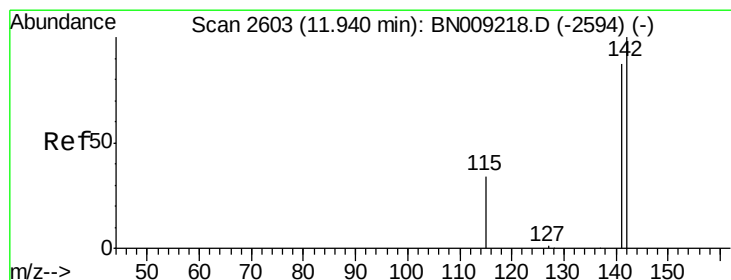
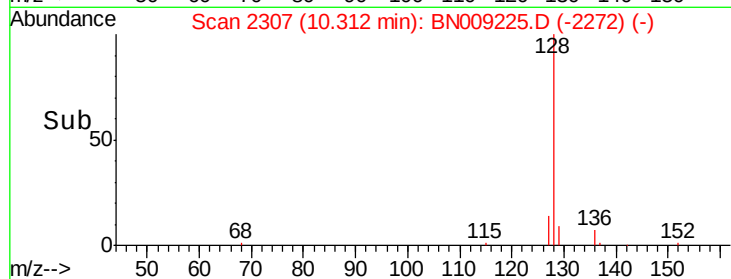
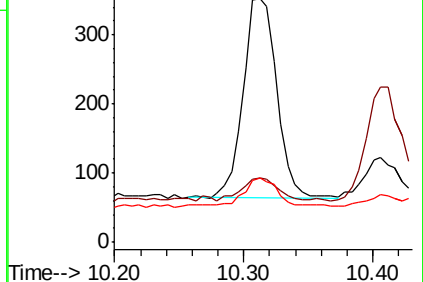
127 26.1 10.9 16.3#



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: 0.021 ng/ul

RT: 11.94 min Scan# 2603

Delta R.T. 0.00 min

Lab File: BN009225.D

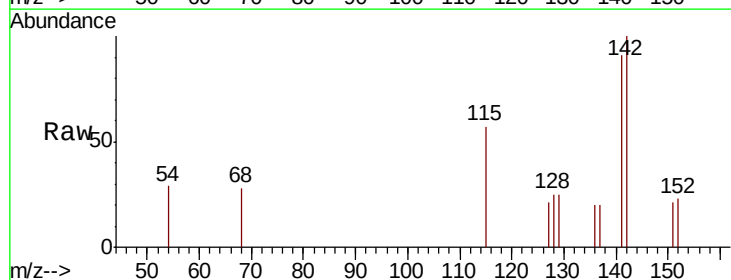
Acq: 28 Dec 2019 13:18

Tgt Ion:142 Resp: 357

Ion Ratio Lower Upper

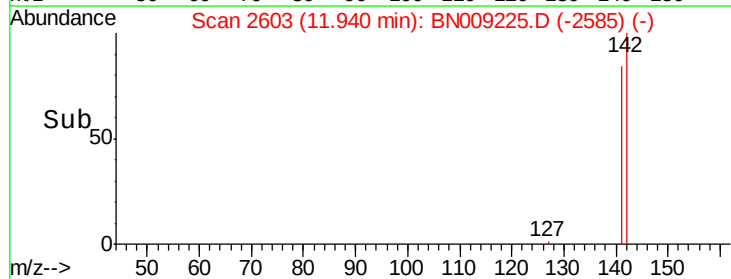
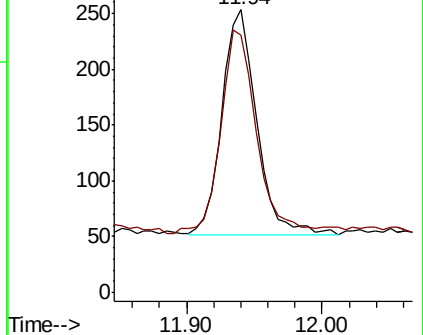
142 100

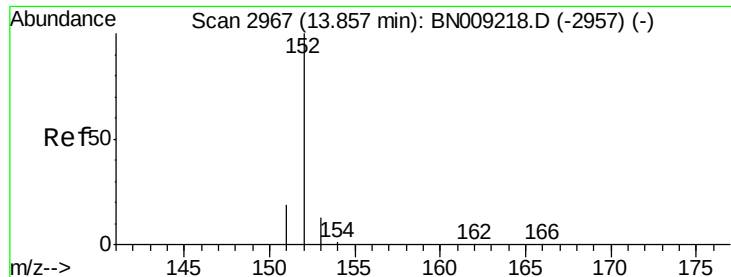
141 92.4 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.023 ng/ul

RT: 13.86 min Scan# 2967

Delta R.T. 0.00 min

Lab File: BN009225.D

Acq: 28 Dec 2019 13:18

Instrument :

BNA_N

ClientSampleId :

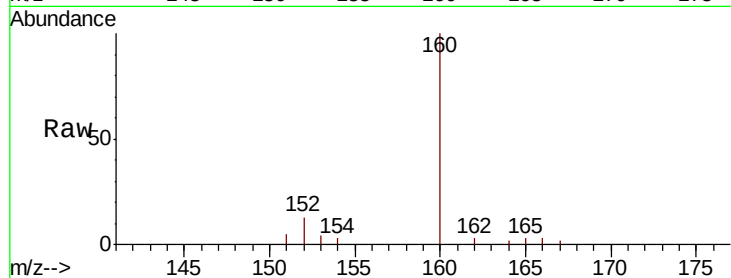
Tot Ion:152 Resp: 498

Ion Ratio Lower Upper

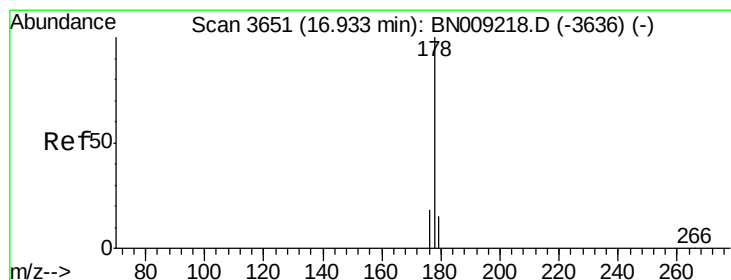
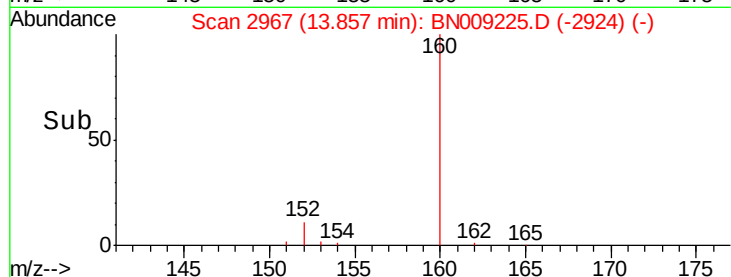
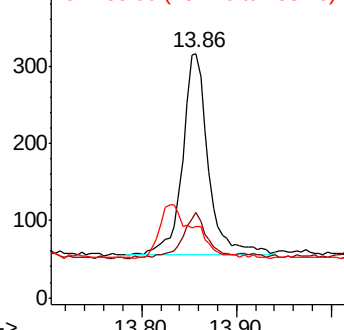
152 100

151 34.8 15.7 23.5#

153 29.1 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: 0.155 ng/ul

RT: 16.93 min Scan# 3650

Delta R.T. -0.00 min

Lab File: BN009225.D

Acq: 28 Dec 2019 13:18

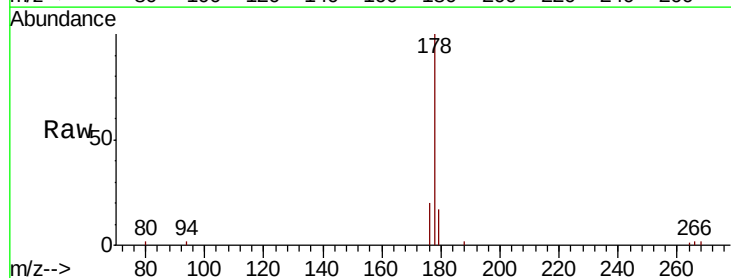
Tgt Ion:178 Resp: 4458

Ion Ratio Lower Upper

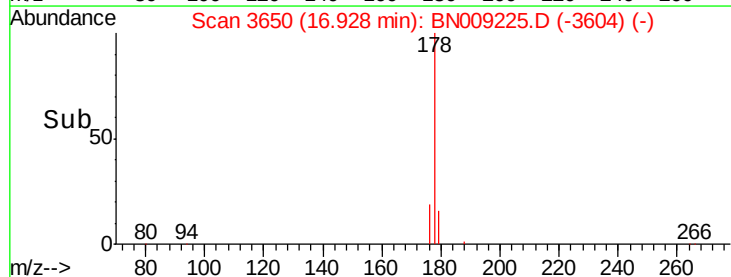
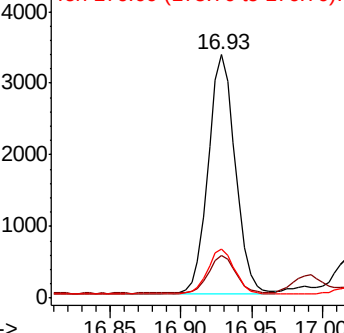
178 100

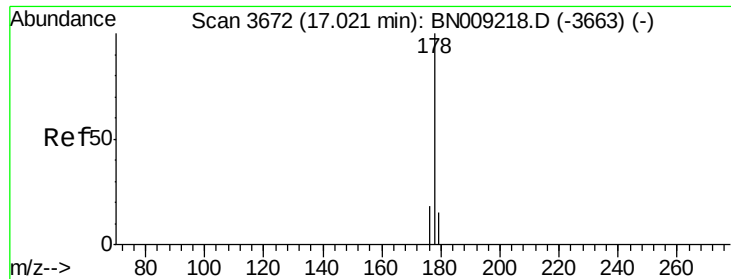
179 17.4 12.3 18.5

176 20.2 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: 0.029 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. 0.00 min

Lab File: BN009225.D

Acq: 28 Dec 2019 13:18

Instrument :

BNA_N

ClientSampleId :

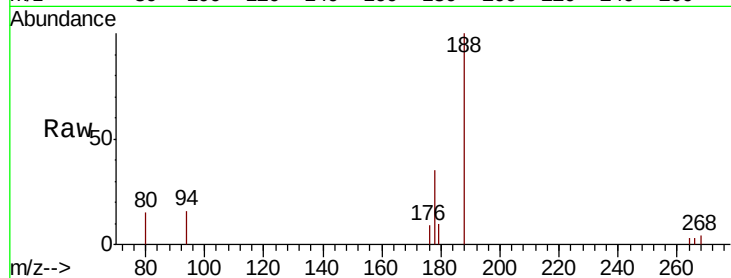
Tot Ion:178 Resp: 750

Ion Ratio Lower Upper

178 100

179 27.5 12.5 18.7#

176 26.8 14.9 22.3#

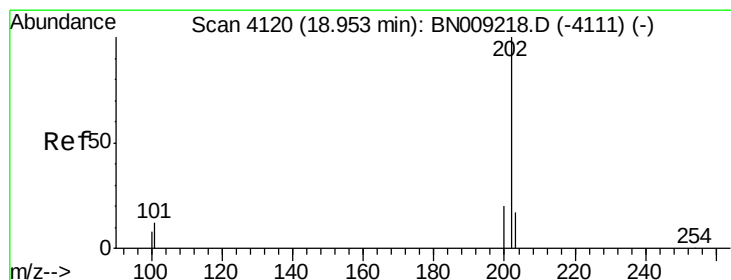
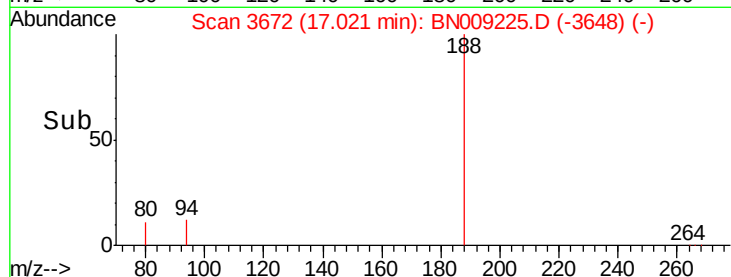
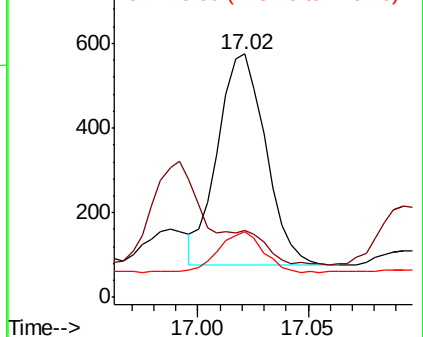


Abundance

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: 0.427 ng/ul

RT: 18.95 min Scan# 4120

Delta R.T. 0.00 min

Lab File: BN009225.D

Acq: 28 Dec 2019 13:18

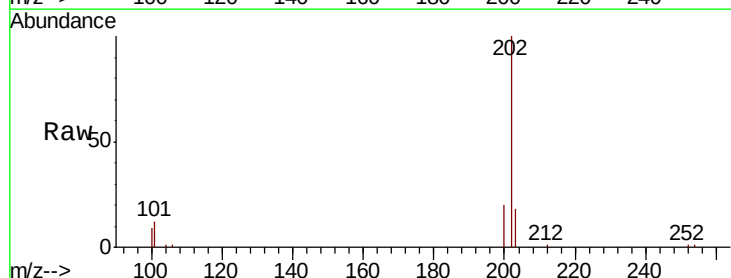
Tgt Ion:202 Resp: 14058

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.5

100 8.9 0.0 28.9

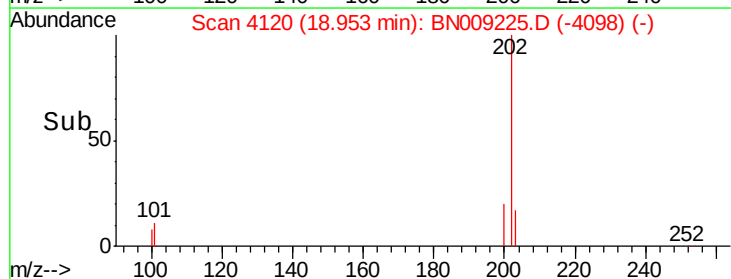
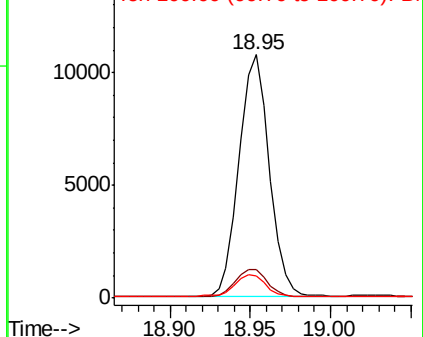


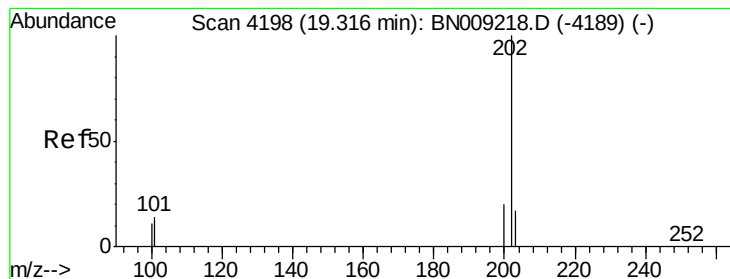
Abundance

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: 0.345 ng/ul

RT: 19.32 min Scan# 4198

Delta R.T. 0.00 min

Lab File: BN009225.D

Acq: 28 Dec 2019 13:18

Instrument :

BNA_N

ClientSampleId :

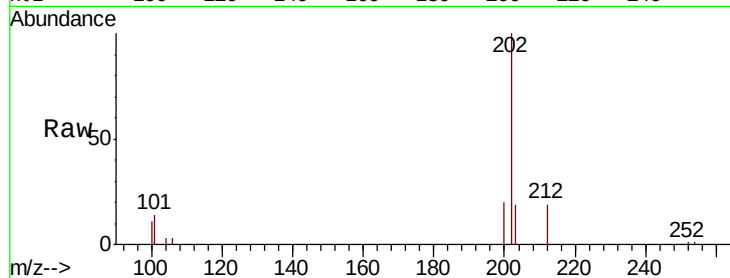
Tot Ion:202 Resp: 11572

Ion Ratio Lower Upper

202 100

101 13.7 10.9 16.3

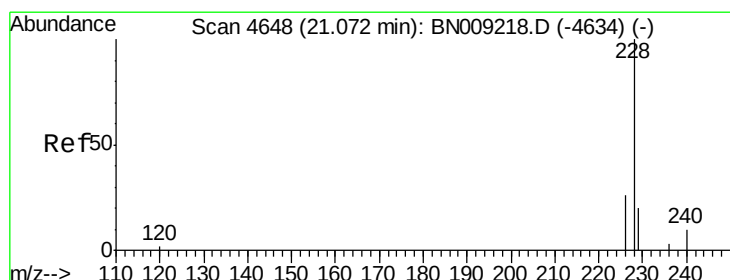
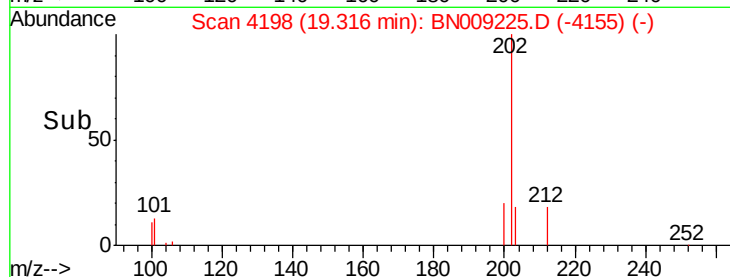
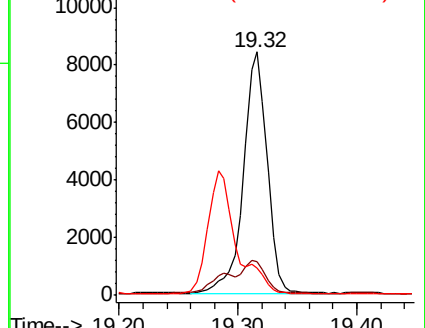
100 11.2 9.0 13.6



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: 0.207 ng/ul

RT: 21.07 min Scan# 4648

Delta R.T. 0.00 min

Lab File: BN009225.D

Acq: 28 Dec 2019 13:18

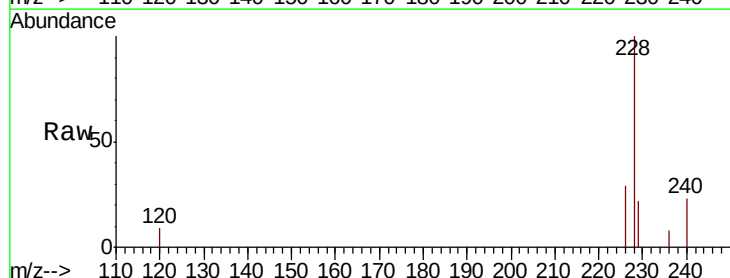
Tgt Ion:228 Resp: 6043

Ion Ratio Lower Upper

228 100

229 21.9 15.5 23.3

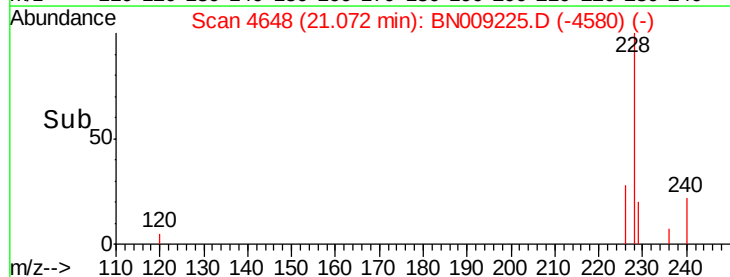
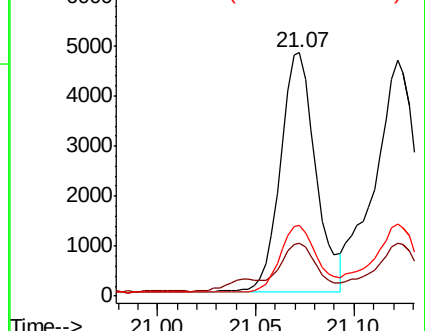
226 28.9 21.7 32.5

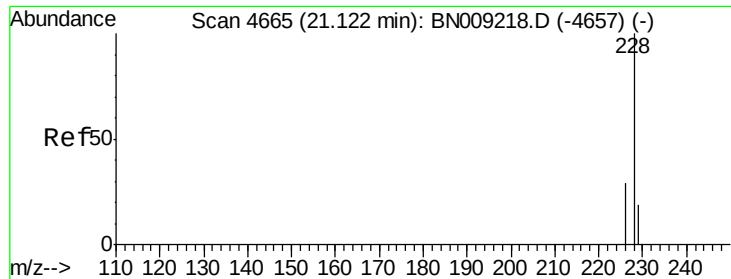


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.234 ng/ul

RT: 21.12 min Scan# 4665

Delta R.T. 0.00 min

Lab File: BN009225.D

Acq: 28 Dec 2019 13:18

Instrument :

BNA_N

ClientSampleId :

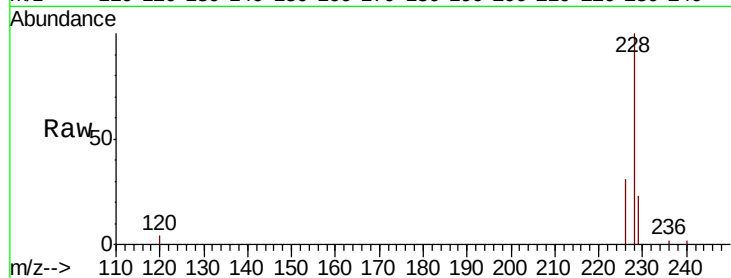
Tot Ion:228 Resp: 6868

Ion Ratio Lower Upper

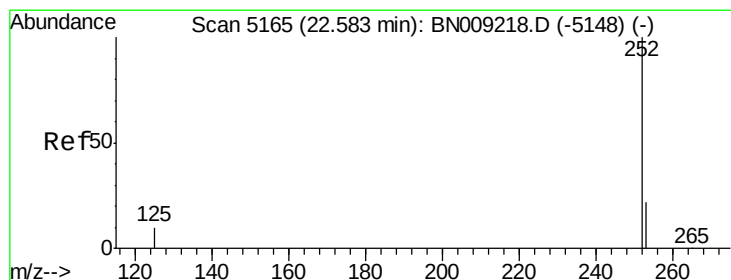
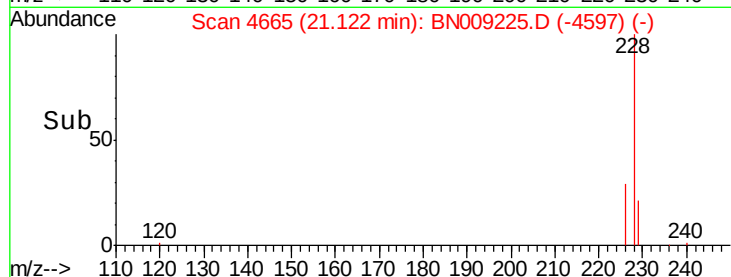
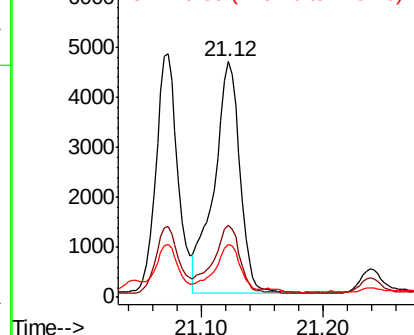
228 100

226 30.6 23.7 35.5

229 22.6 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: 0.406 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. 0.00 min

Lab File: BN009225.D

Acq: 28 Dec 2019 13:18

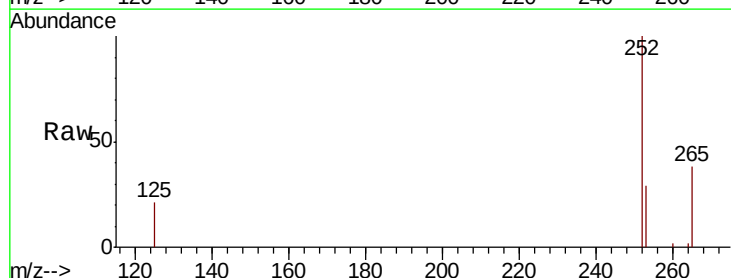
Tgt Ion:252 Resp: 13008

Ion Ratio Lower Upper

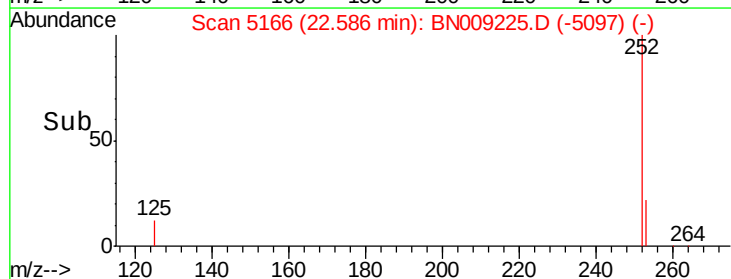
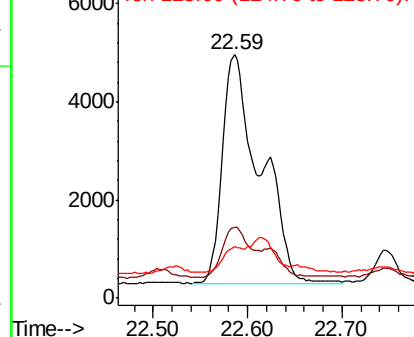
252 100

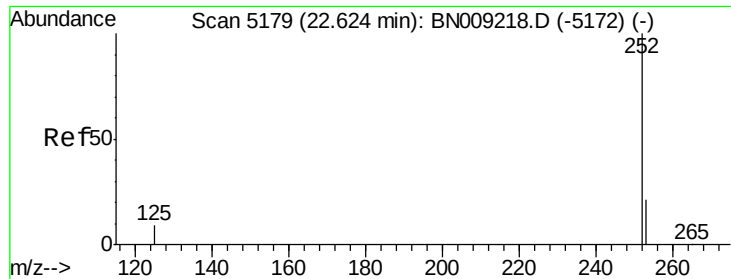
253 29.1 0.0 48.2

125 21.3 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: 0.403 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. -0.04 min

Lab File: BN009225.D

Acq: 28 Dec 2019 13:18

Instrument :

BNA_N

ClientSampleId :

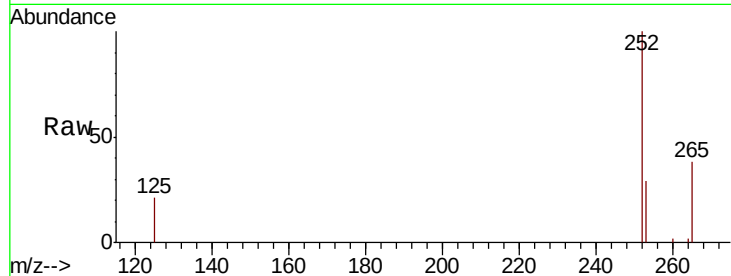
Tot Ion:252 Resp: 13008

Ion Ratio Lower Upper

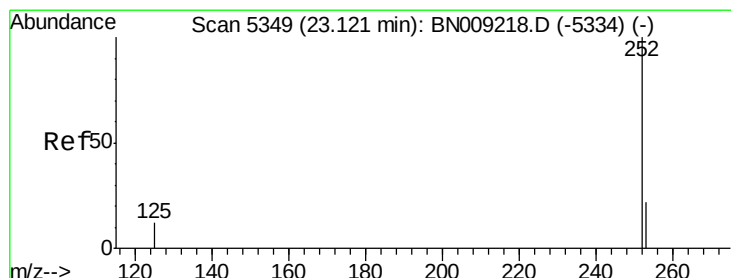
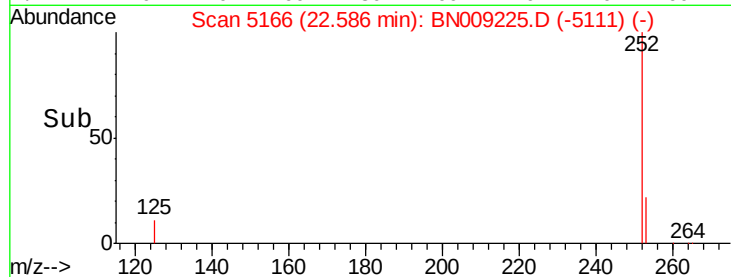
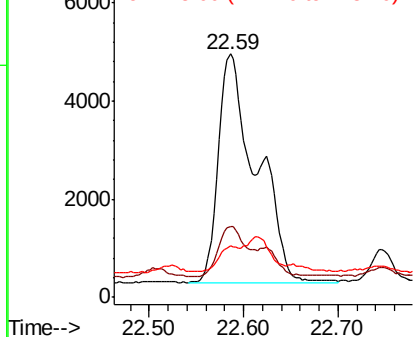
252 100

253 29.1 19.4 29.0#

125 21.3 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: 0.195 ng/ul

RT: 23.12 min Scan# 5348

Delta R.T. -0.00 min

Lab File: BN009225.D

Acq: 28 Dec 2019 13:18

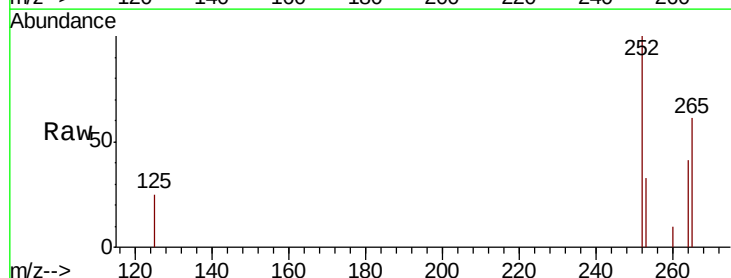
Tgt Ion:252 Resp: 5482

Ion Ratio Lower Upper

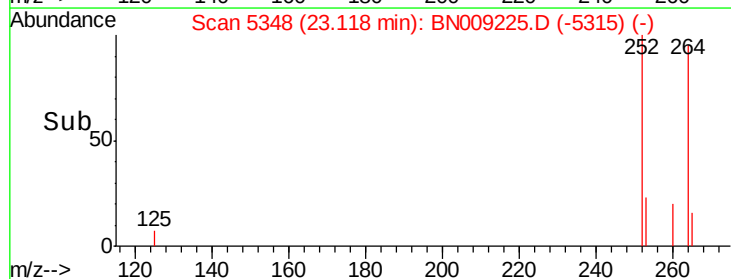
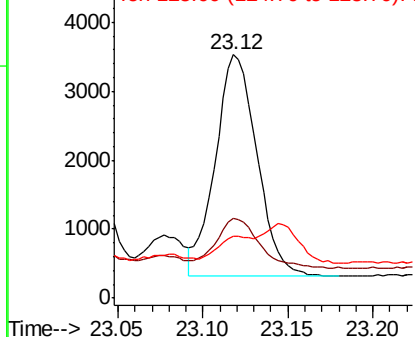
252 100

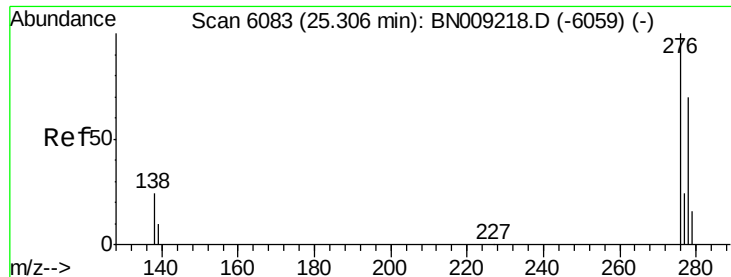
253 32.6 20.2 30.4#

125 25.2 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



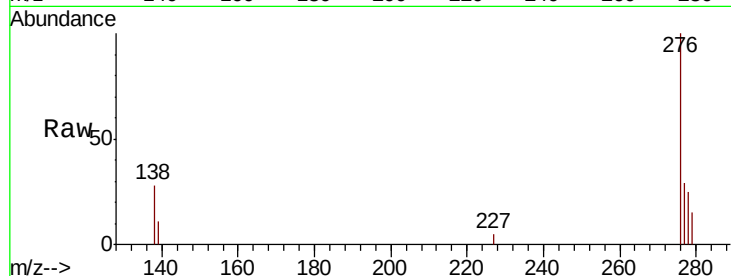


#24

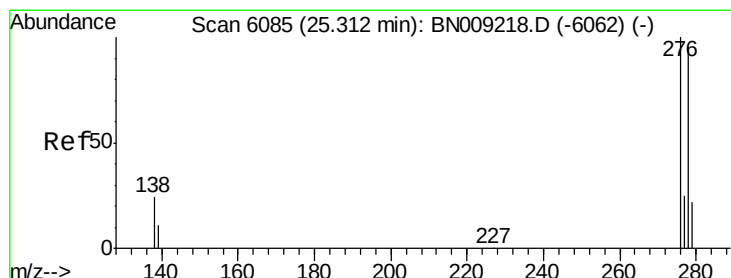
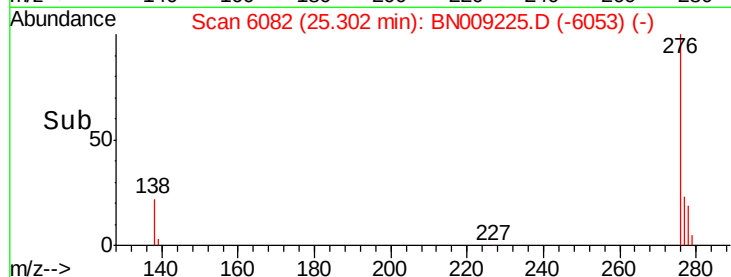
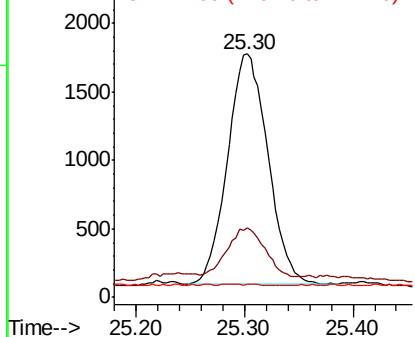
Indeno(1,2,3-cd)pyrene
Concen: 0.142 ng/ul
RT: 25.30 min Scan# 6082
Delta R.T. -0.00 min
Lab File: BN009225.D
Acq: 28 Dec 2019 13:18

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 4332
Ion Ratio Lower Upper
276 100
138 24.9 22.4 33.6
227 0.1 0.2 0.4#



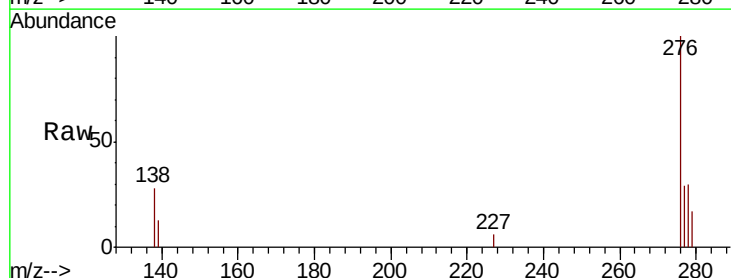
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



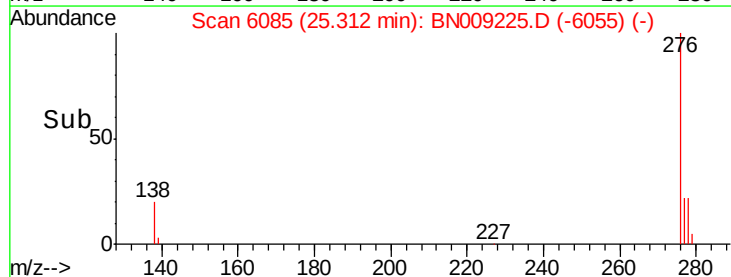
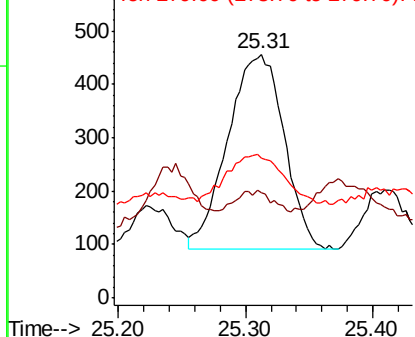
#25

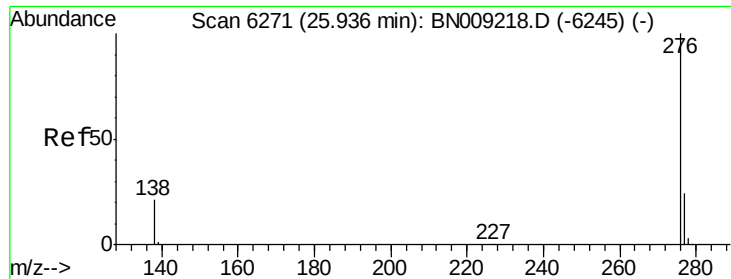
Dibenzo(a,h)anthracene
Concen: 0.046 ng/ul
RT: 25.31 min Scan# 6085
Delta R.T. 0.00 min
Lab File: BN009225.D
Acq: 28 Dec 2019 13:18

Tgt Ion:278 Resp: 1119
Ion Ratio Lower Upper
278 100
139 43.2 16.2 24.2#
279 57.2 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: 0.143 ng/ul

RT: 25.94 min Scan# 6271

Delta R.T. 0.00 min

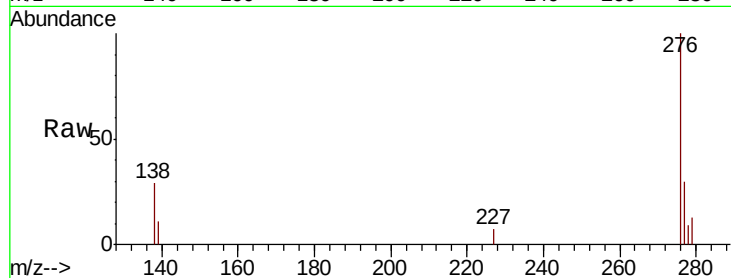
Lab File: BN009225.D

Acq: 28 Dec 2019 13:18

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 3674

Ion Ratio Lower Upper

276 100

138 29.1 20.6 30.8

277 29.9 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

