

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121919\
 Data File : BN009056.D
 Acq On : 20 Dec 2019 07:21
 Operator : JU
 Sample : K6171-12
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 20 10:52:31 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

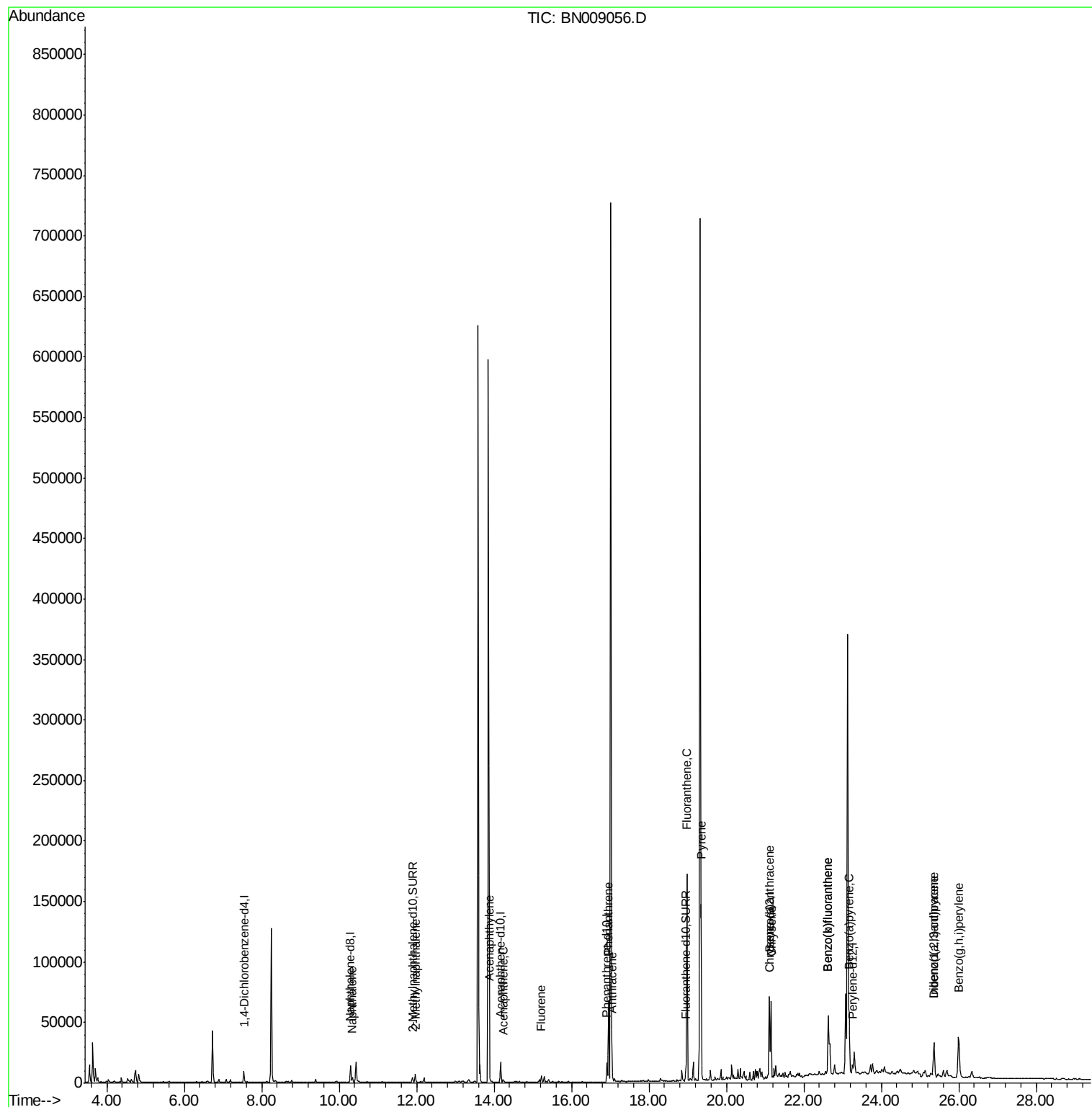
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	4261	0.40	ng/ul	0.00
2) Naphthalene-d8	10.29	136	16534	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.17	164	8996	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.91	188	17482	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	9000	0.40	ng/ul	0.00
20) Perylene-d12	23.26	264	8633	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.89	152	5135	0.17	ng/ul	0.00
14) Fluoranthene-d10	18.95	212	9026	0.18	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.34	128	4662	0.093	ng/ul	96
5) 2-Methylnaphthalene	11.96	142	4579	0.121	ng/ul	100
7) Acenaphthylene	13.88	152	3297	0.070	ng/ul#	92
8) Acenaphthene	14.23	153	1419	0.038	ng/ul	97
9) Fluorene	15.22	166	3066	0.070	ng/ul#	95
12) Phenanthrene	16.95	178	68976	1.135	ng/ul	100
13) Anthracene	17.05	178	10322	0.189	ng/ul	98
15) Fluoranthene	18.98	202	140861	2.026	ng/ul	97
17) Pyrene	19.34	202	114745	2.499	ng/ul	99
18) Benzo(a)anthracene	21.10	228	52370	1.310	ng/ul#	87
19) Chrysene	21.15	228	63306	1.576	ng/ul#	92
21) Benzo(b)fluoranthene	22.63	252	100341	2.489	ng/ul	99
22) Benzo(k)fluoranthene	22.63	252	100276	2.467	ng/ul	99
23) Benzo(a)pyrene	23.16	252	58335	1.651	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.36	276	41875	1.088	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.36	278	10725	0.350	ng/ul#	61
26) Benzo(a,h,i)perylene	25.99	276	64434	1.988	ng/ul	99

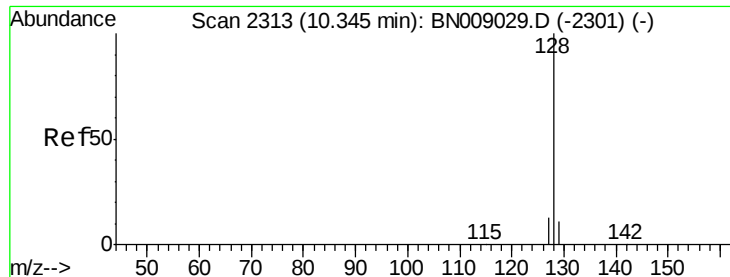
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.093 ng/ul

RT: 10.34 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BN009056.D

Acq: 20 Dec 2019 07:21

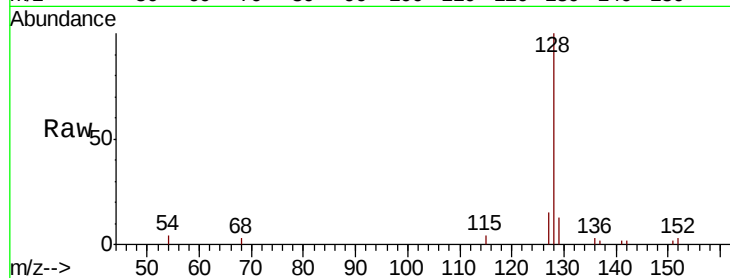
Instrument :

BNA_N

ClientSampleId :

Tot Ion:128 Resp: 4662

Ion	Ratio	Lower	Upper
128	100		
129	13.4	9.0	13.4
127	14.5	10.9	16.3

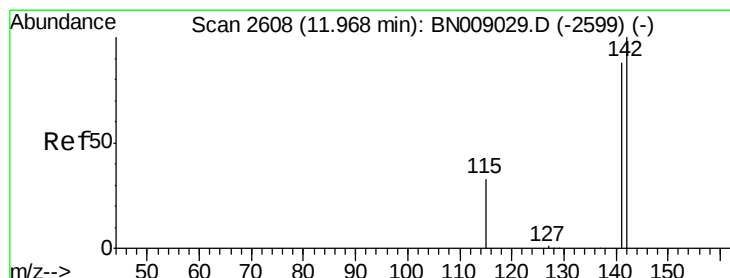
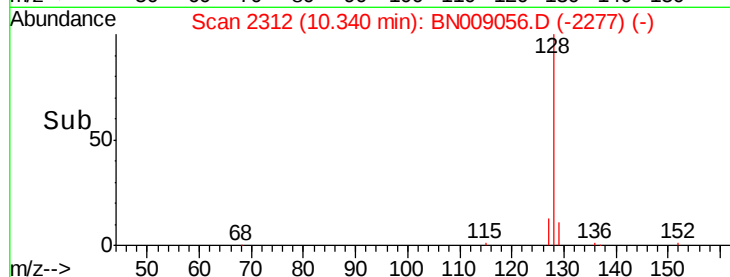
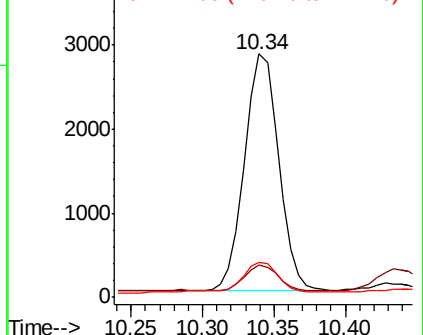


Abundance

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: 0.121 ng/ul

RT: 11.96 min Scan# 2607

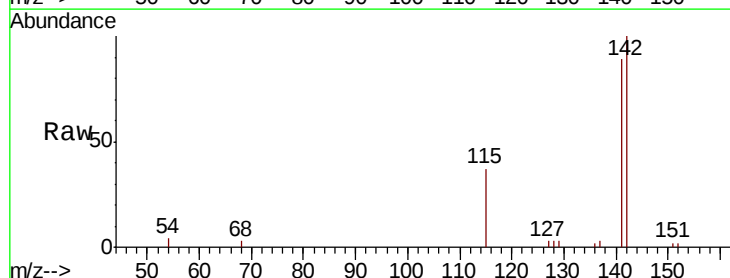
Delta R.T. -0.01 min

Lab File: BN009056.D

Acq: 20 Dec 2019 07:21

Tgt Ion:142 Resp: 4579

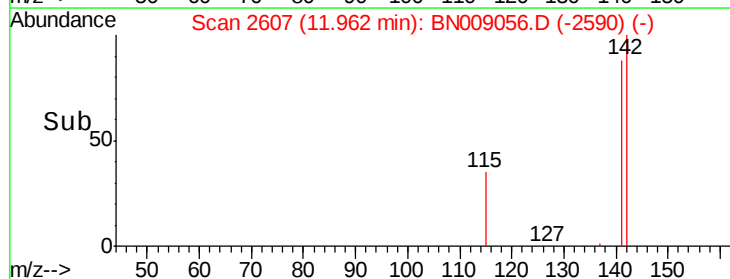
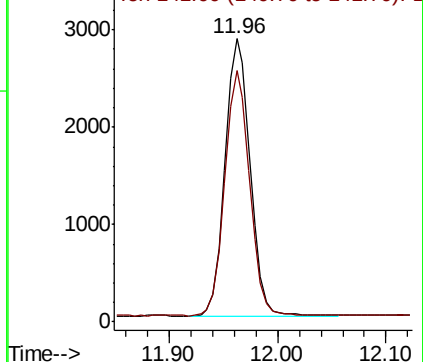
Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.2	105.4

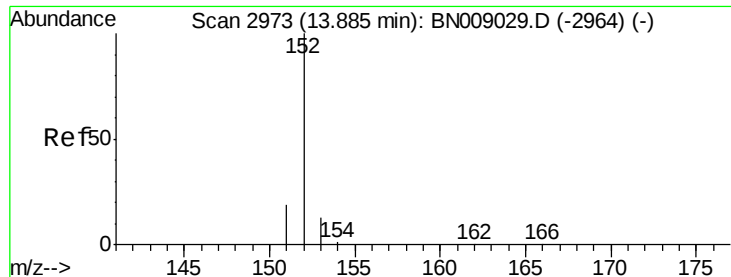


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.070 ng/ul

RT: 13.88 min Scan# 2973

Delta R.T. 0.00 min

Lab File: BN009056.D

Acq: 20 Dec 2019 07:21

Instrument :

BNA_N

ClientSampleId :

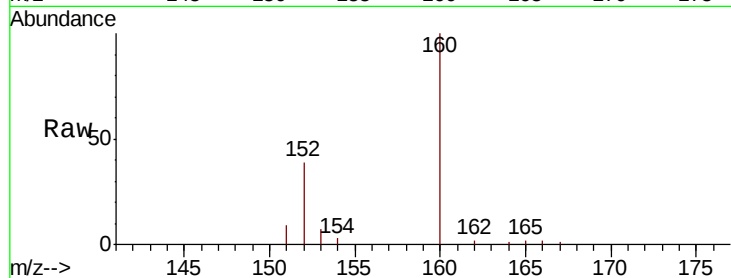
Tot Ion:152 Resp: 3297

Ion Ratio Lower Upper

152 100

151 22.4 15.7 23.5

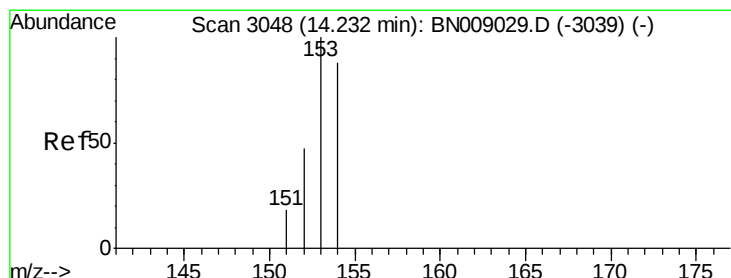
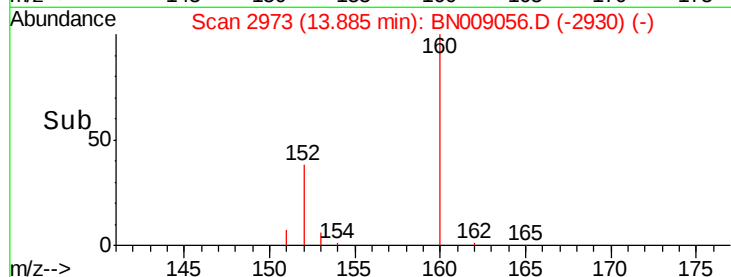
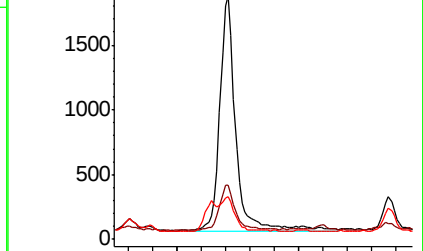
153 17.6 10.8 16.2#



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: 0.038 ng/ul

RT: 14.23 min Scan# 3047

Delta R.T. -0.00 min

Lab File: BN009056.D

Acq: 20 Dec 2019 07:21

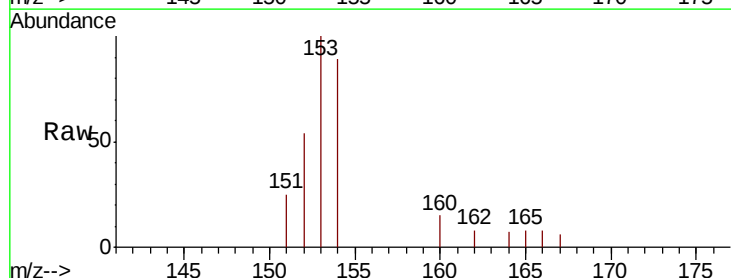
Tgt Ion:153 Resp: 1419

Ion Ratio Lower Upper

153 100

152 53.6 39.5 59.3

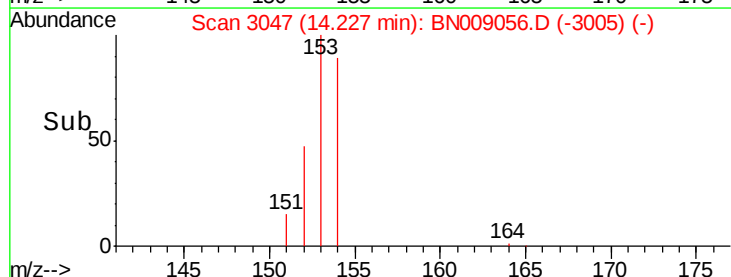
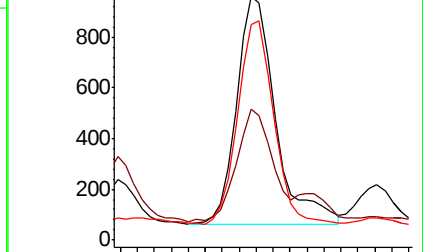
154 88.6 71.3 106.9

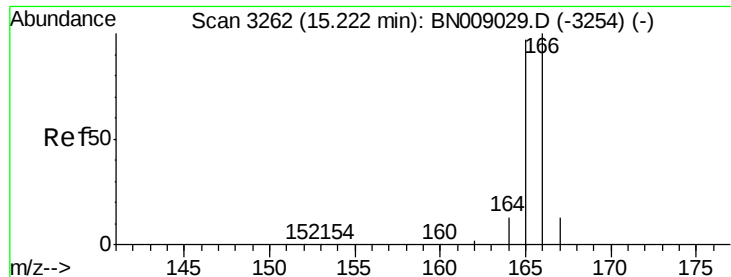


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.070 ng/ul

RT: 15.22 min Scan# 3262

Delta R.T. 0.00 min

Lab File: BN009056.D

Acq: 20 Dec 2019 07:21

Instrument :

BNA_N

ClientSampleId :

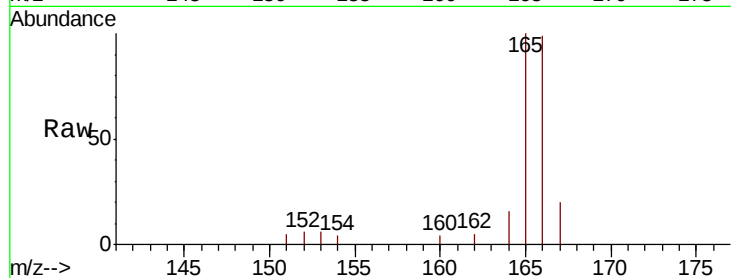
Tot Ion:166 Resp: 3066

Ion Ratio Lower Upper

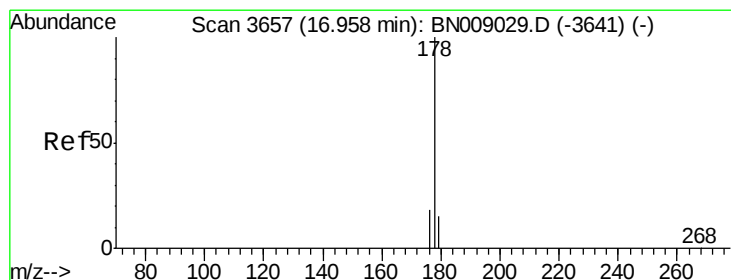
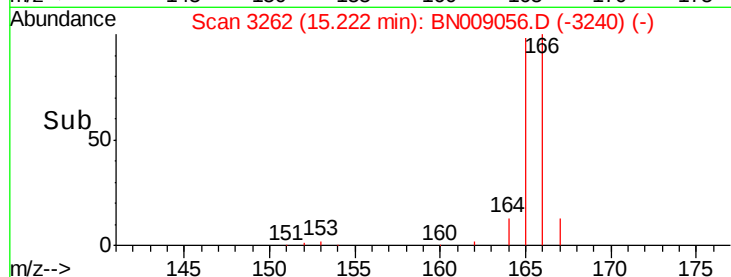
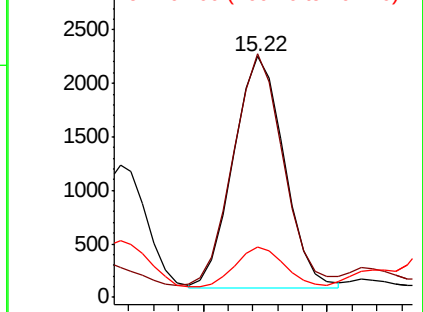
166 100

165 101.2 78.2 117.4

167 20.7 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: 1.135 ng/ul

RT: 16.95 min Scan# 3656

Delta R.T. -0.00 min

Lab File: BN009056.D

Acq: 20 Dec 2019 07:21

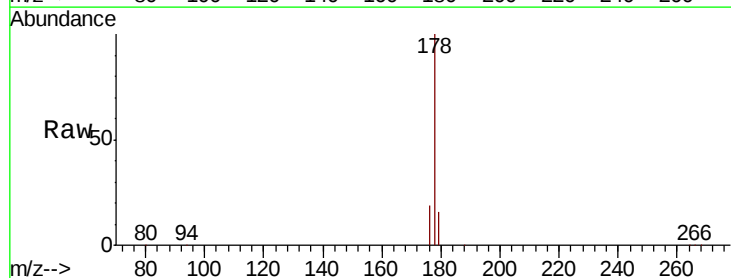
Tgt Ion:178 Resp: 68976

Ion Ratio Lower Upper

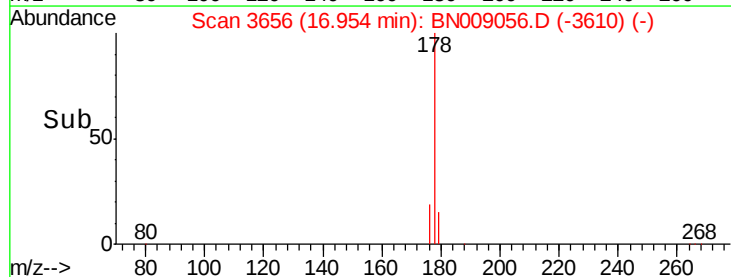
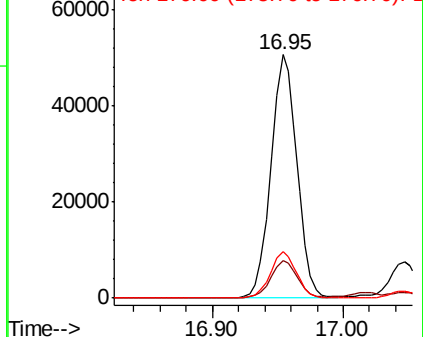
178 100

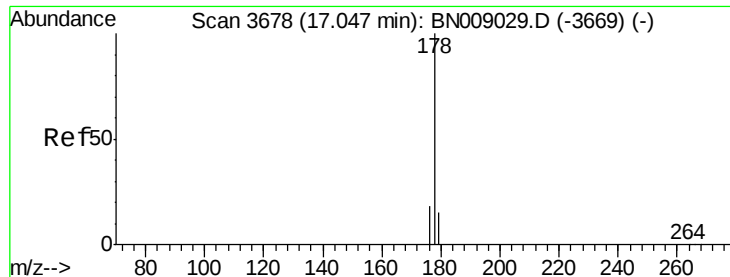
179 15.5 12.3 18.5

176 18.9 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: 0.189 ng/ul

RT: 17.05 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BN009056.D

Acq: 20 Dec 2019 07:21

Instrument :

BNA_N

ClientSampleId :

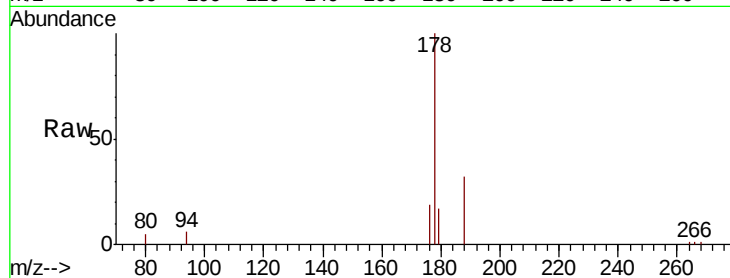
Tot Ion:178 Resp: 10322

Ion Ratio Lower Upper

178 100

179 16.7 12.5 18.7

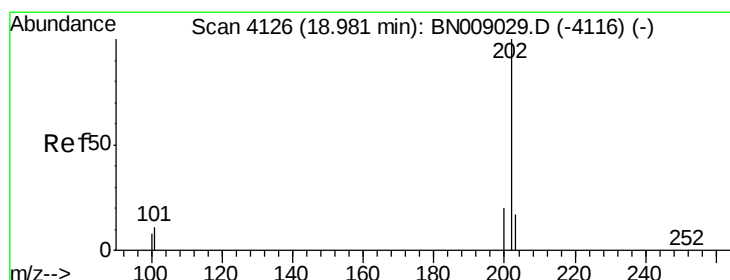
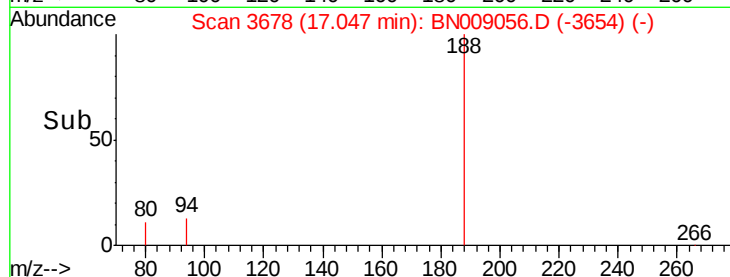
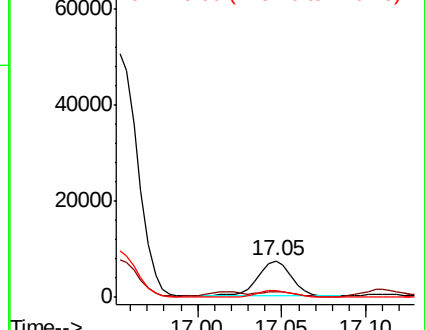
176 19.3 14.9 22.3



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: 2.026 ng/ul

RT: 18.98 min Scan# 4125

Delta R.T. -0.00 min

Lab File: BN009056.D

Acq: 20 Dec 2019 07:21

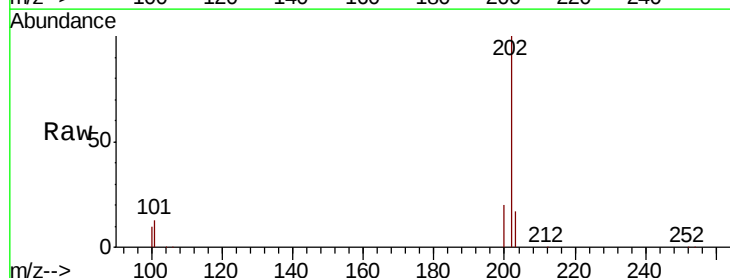
Tgt Ion:202 Resp: 140861

Ion Ratio Lower Upper

202 100

101 12.7 0.0 31.5

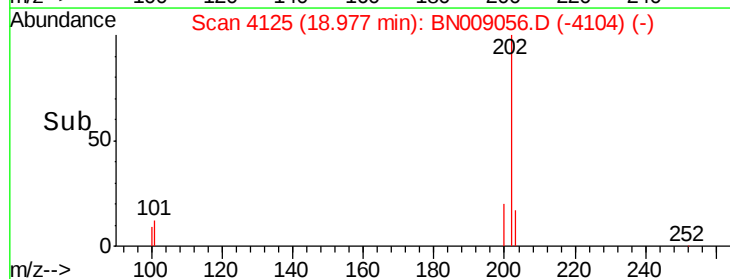
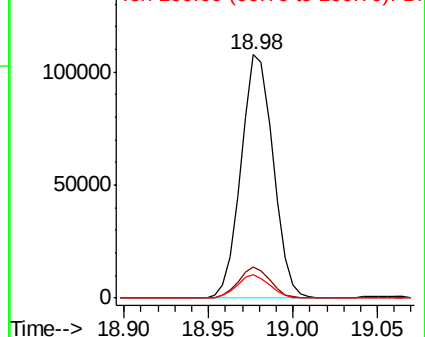
100 9.6 0.0 28.9

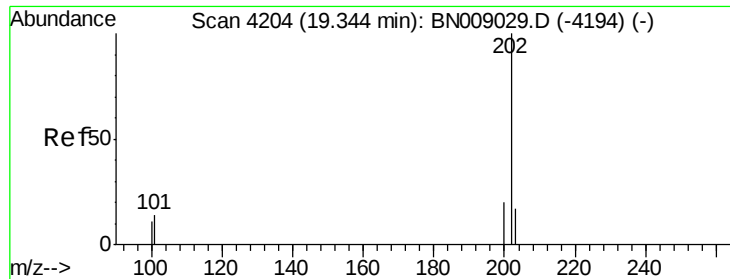


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

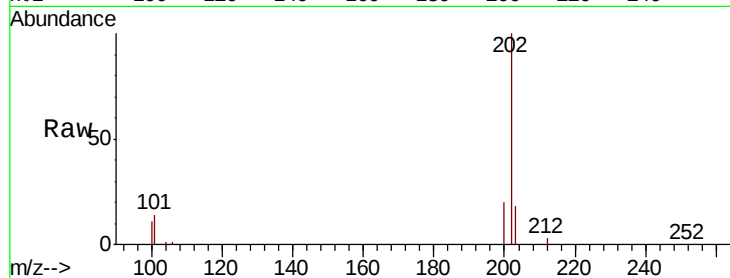




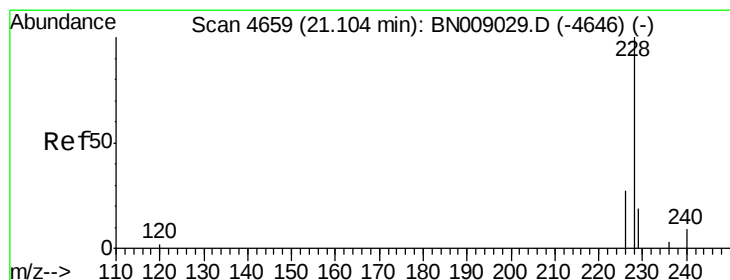
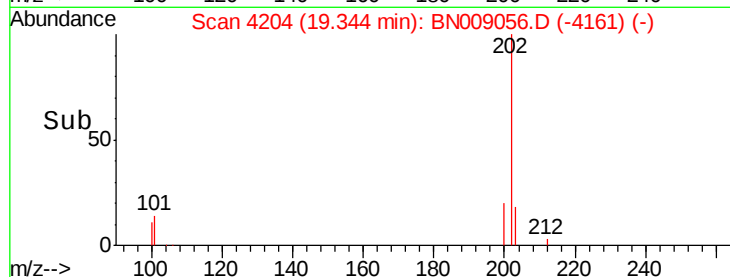
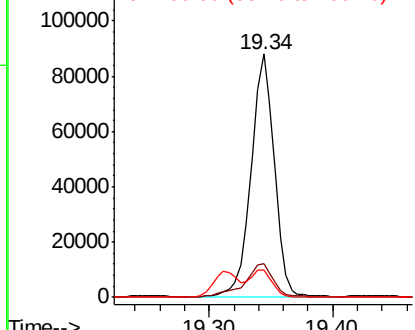
#17
Pvrene
Concen: 2.499 ng/ul
RT: 19.34 min Scan# 4204
Delta R.T. 0.00 min
Lab File: BN009056.D
Acq: 20 Dec 2019 07:21

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 114745
Ion Ratio Lower Upper
202 100
101 13.8 10.9 16.3
100 11.0 9.0 13.6

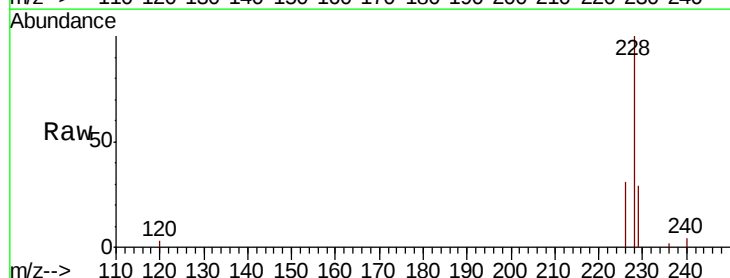


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

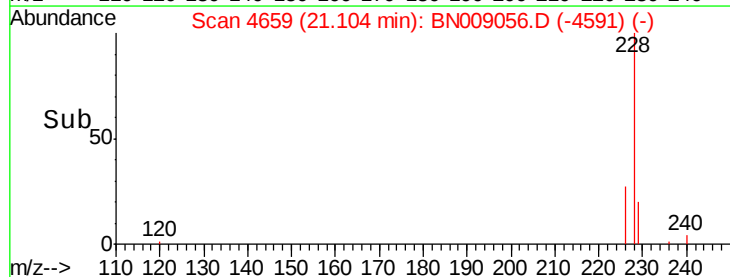
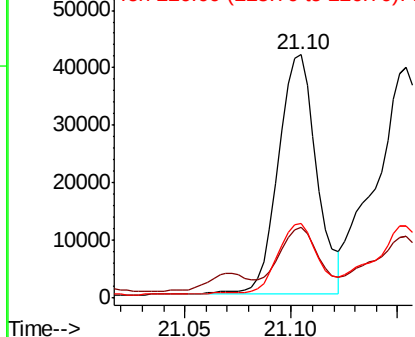


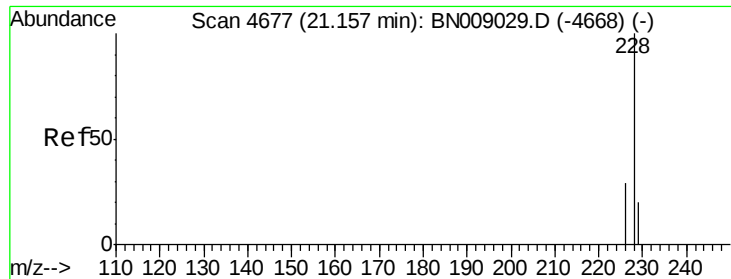
#18
Benzo(a)anthracene
Concen: 1.310 ng/ul
RT: 21.10 min Scan# 4659
Delta R.T. 0.00 min
Lab File: BN009056.D
Acq: 20 Dec 2019 07:21

Tgt Ion:228 Resp: 52370
Ion Ratio Lower Upper
228 100
229 29.0 15.5 23.3#
226 30.6 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: 1.576 ng/ul

RT: 21.15 min Scan# 4676

Delta R.T. -0.00 min

Lab File: BN009056.D

Acq: 20 Dec 2019 07:21

Instrument :

BNA_N

ClientSampleId :

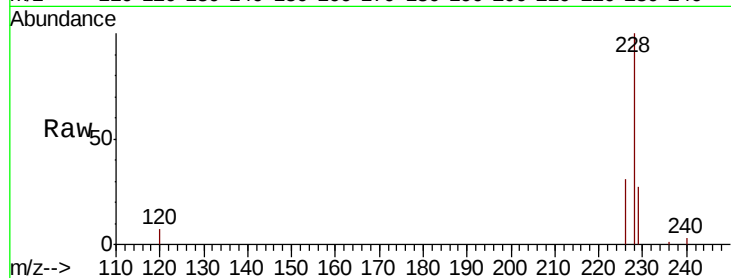
Tot Ion:228 Resp: 63306

Ion Ratio Lower Upper

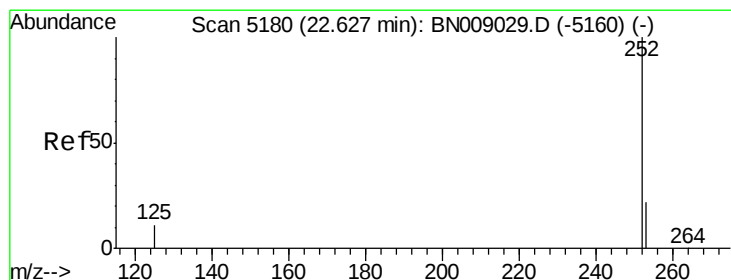
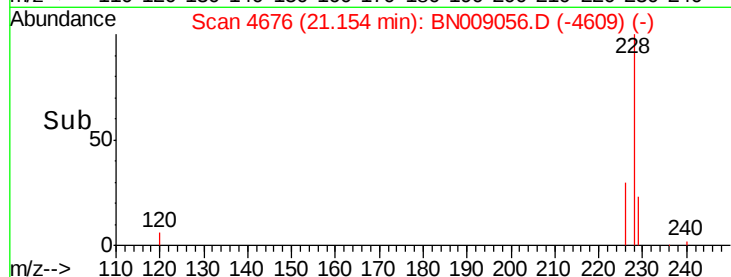
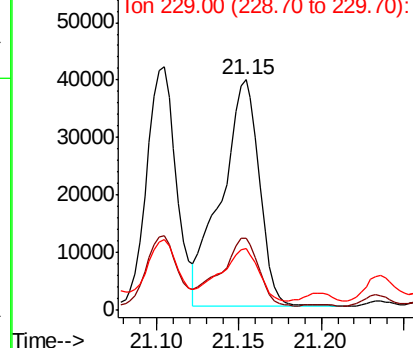
228 100

226 31.3 23.7 35.5

229 26.6 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: 2.489 ng/ul

RT: 22.63 min Scan# 5180

Delta R.T. 0.00 min

Lab File: BN009056.D

Acq: 20 Dec 2019 07:21

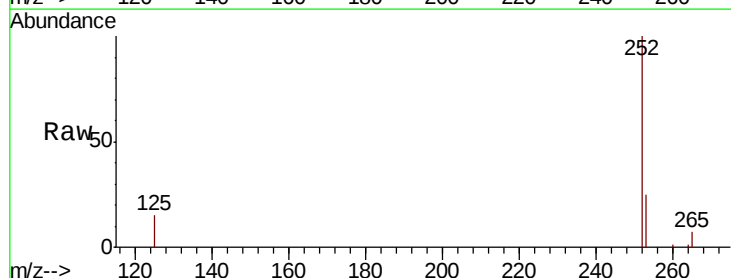
Tgt Ion:252 Resp: 100341

Ion Ratio Lower Upper

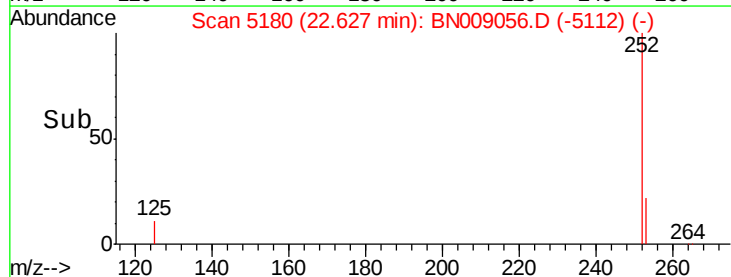
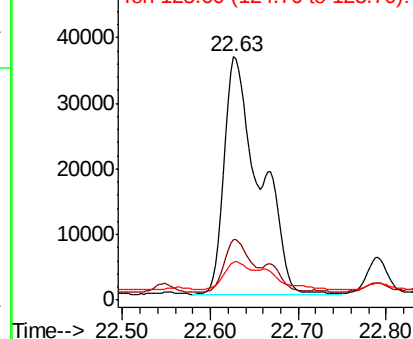
252 100

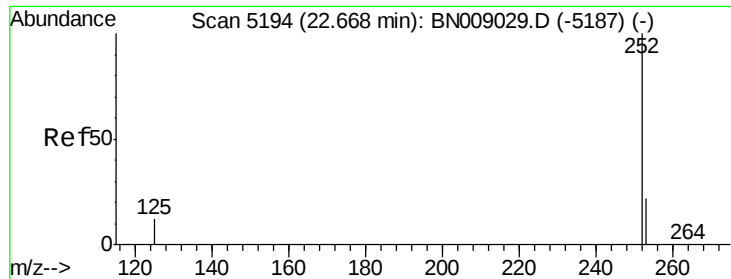
253 24.9 0.0 48.2

125 15.5 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: 2.467 ng/ul

RT: 22.63 min Scan# 5180

Delta R.T. -0.04 min

Lab File: BN009056.D

Acq: 20 Dec 2019 07:21

Instrument :

BNA_N

ClientSampleId :

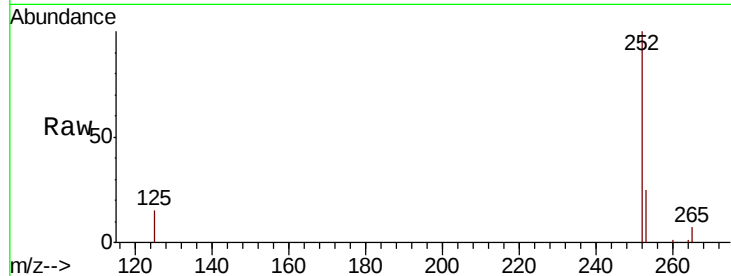
Tot Ion:252 Resp: 100276

Ion Ratio Lower Upper

252 100

253 24.9 19.4 29.0

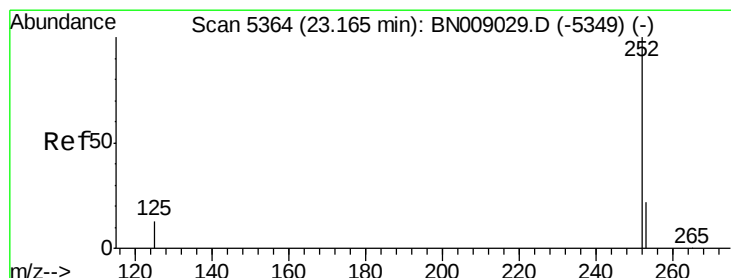
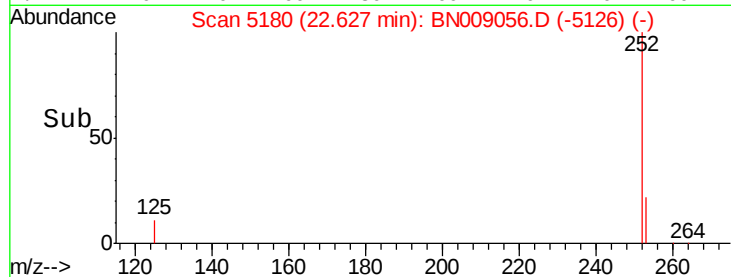
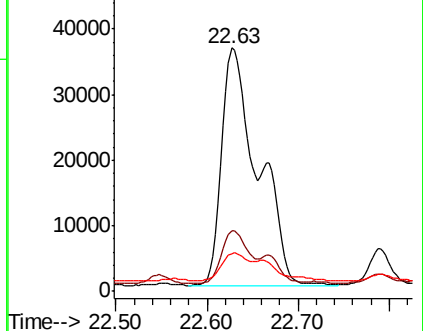
125 15.5 12.4 18.6



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: 1.651 ng/ul

RT: 23.16 min Scan# 5364

Delta R.T. 0.00 min

Lab File: BN009056.D

Acq: 20 Dec 2019 07:21

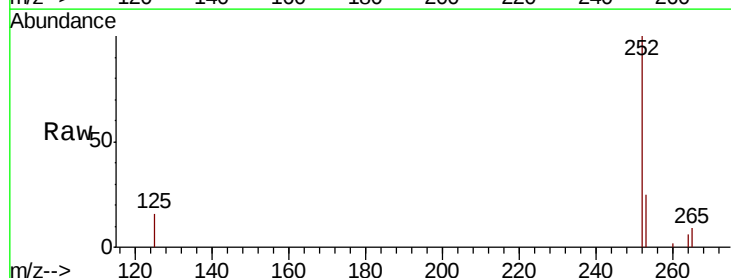
Tgt Ion:252 Resp: 58335

Ion Ratio Lower Upper

252 100

253 25.1 20.2 30.4

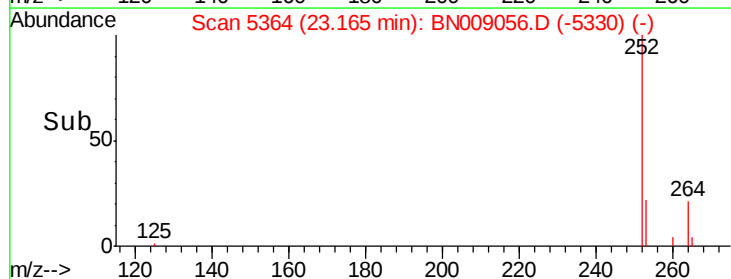
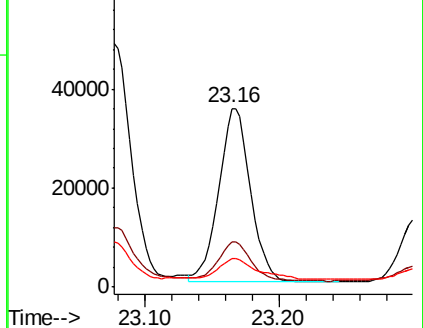
125 16.1 13.2 19.8

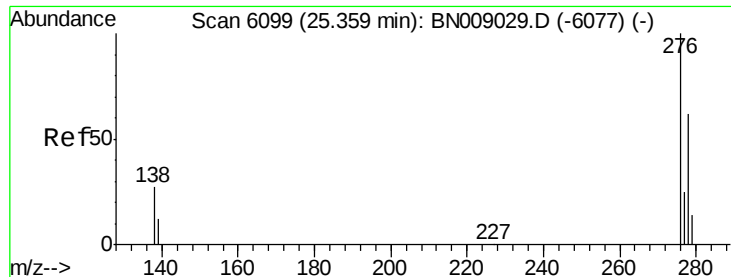


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.088 ng/ul

RT: 25.36 min Scan# 6099

Delta R.T. 0.00 min

Lab File: BN009056.D

Acq: 20 Dec 2019 07:21

Instrument :

BNA_N

ClientSampleId :

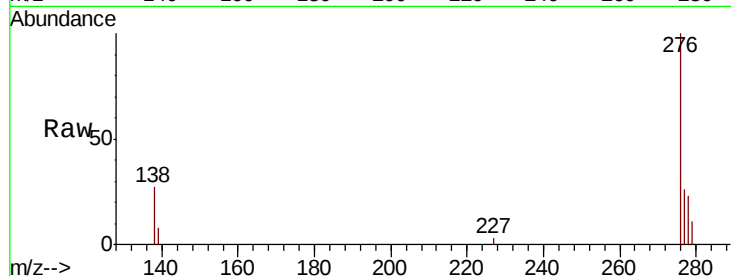
Tot Ion:276 Resp: 41875

Ion Ratio Lower Upper

276 100

138 23.7 22.4 33.6

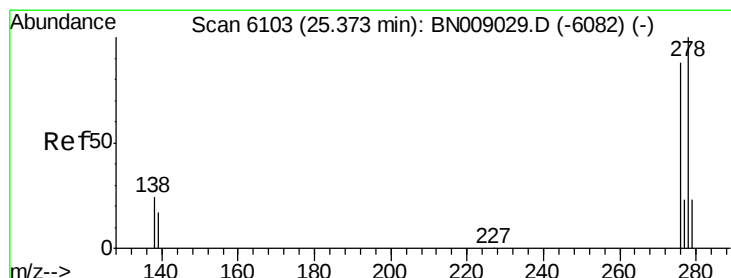
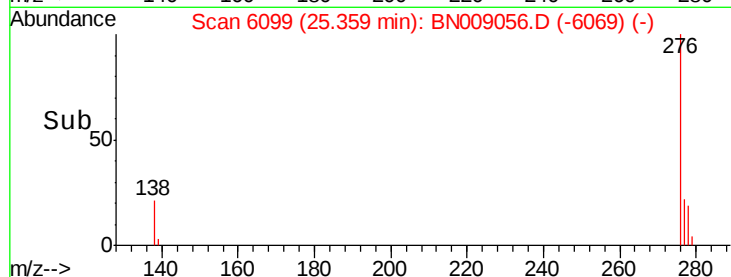
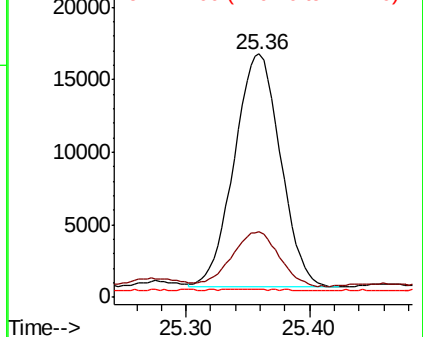
227 0.2 0.2 0.4#



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: 0.350 ng/ul

RT: 25.36 min Scan# 6100

Delta R.T. -0.01 min

Lab File: BN009056.D

Acq: 20 Dec 2019 07:21

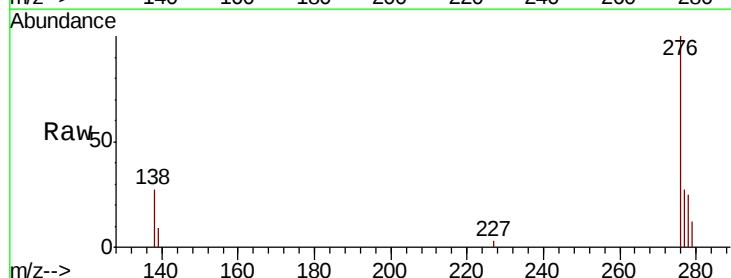
Tgt Ion:278 Resp: 10725

Ion Ratio Lower Upper

278 100

139 34.8 16.2 24.2#

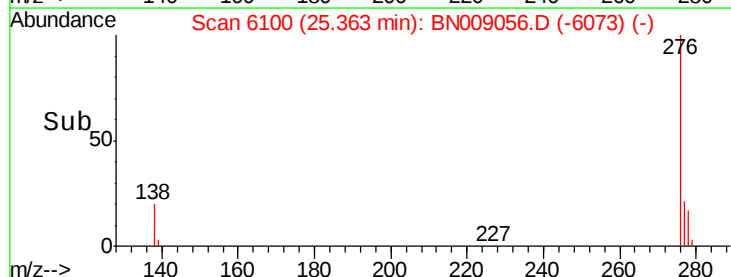
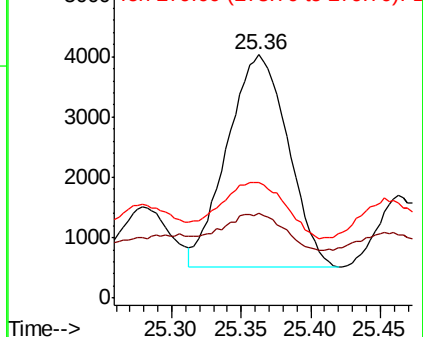
279 47.6 20.3 30.5#

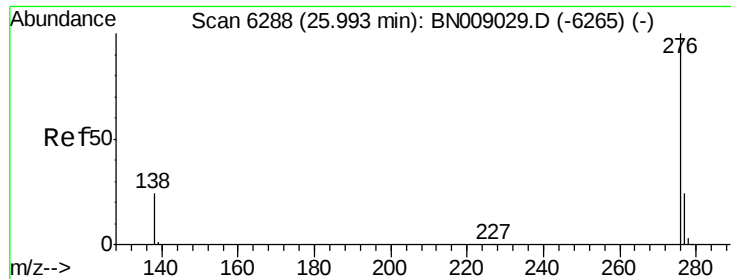


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.988 ng/ul

RT: 25.99 min Scan# 6288

Delta R.T. 0.00 min

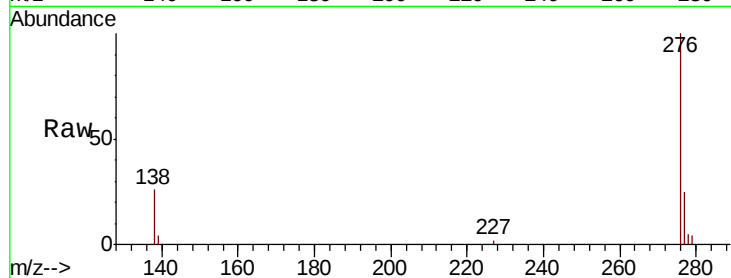
Lab File: BN009056.D

Acq: 20 Dec 2019 07:21

Instrument :

BNA_N

ClientSampleId :



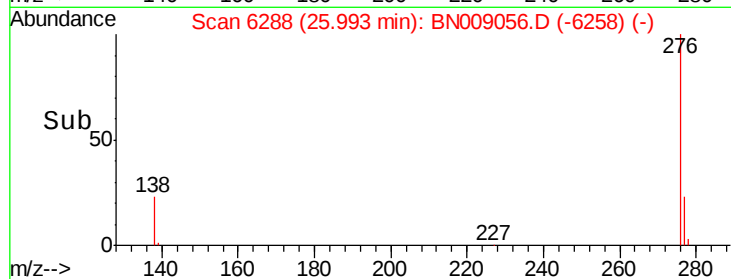
Tot Ion:276 Resp: 64434

Ion Ratio Lower Upper

276 100

138 25.8 20.6 30.8

277 25.3 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

