

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009249.D
 Acq On : 29 Dec 2019 03:40
 Operator : JU
 Sample : K6278-15DL 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 29 05:42:18 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

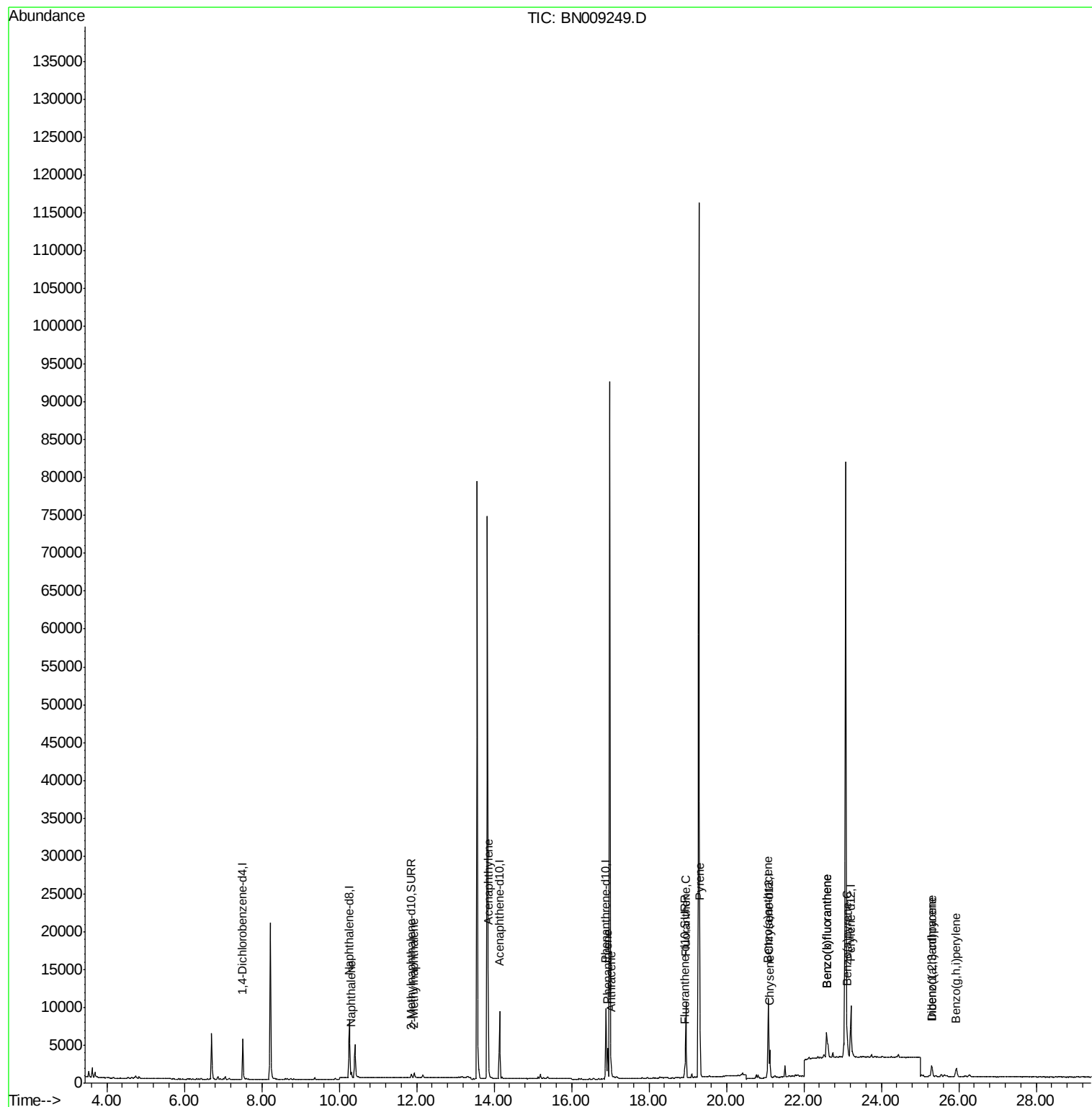
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2683	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	9679	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	5026	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	10206	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	8005	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	8295	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	654	0.04	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	1282	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	983	0.033	ng/ul#	82
5) 2-Methylnaphthalene	11.94	142	531	0.024	ng/ul	100
7) Acenaphthylene	13.85	152	1062	0.040	ng/ul#	86
12) Phenanthrene	16.93	178	4093	0.115	ng/ul	97
13) Anthracene	17.02	178	1167	0.037	ng/ul#	87
15) Fluoranthene	18.95	202	8176	0.201	ng/ul	96
17) Pyrene	19.31	202	7068	0.173	ng/ul	95
18) Benzo(a)anthracene	21.07	228	3751	0.106	ng/ul#	90
19) Chrysene	21.12	228	3696	0.103	ng/ul#	93
21) Benzo(b)fluoranthene	22.59	252	6601	0.170	ng/ul	70
22) Benzo(k)fluoranthene	22.59	252	6601	0.169	ng/ul#	71
23) Benzo(a)pyrene	23.12	252	3127	0.092	ng/ul#	62
24) Indeno(1,2,3-cd)pyrene	25.30	276	2234	0.060	ng/ul#	88
25) Dibenzo(a,h)anthracene	25.31	278	620	0.021	ng/ul#	1
26) Benzo(g,h,i)perylene	25.93	276	2267	0.073	ng/ul#	81

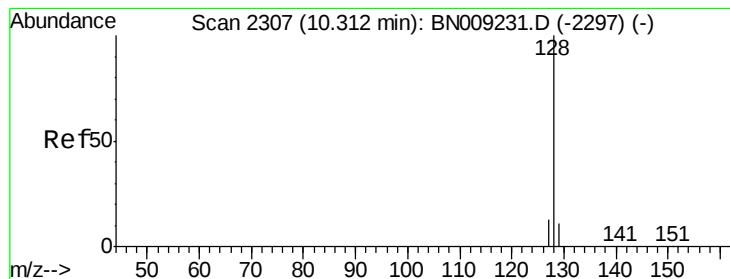
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sun Dec 29 04:38:59 2019
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#3

Naphthalene

Concen: 0.033 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BN009249.D

Acq: 29 Dec 2019 03:40

Instrument :

BNA_N

ClientSampleId :

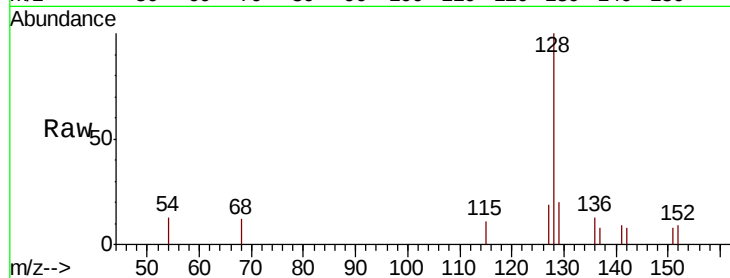
Tot Ion:128 Resp: 983

Ion Ratio Lower Upper

128 100

129 19.8 9.0 13.4#

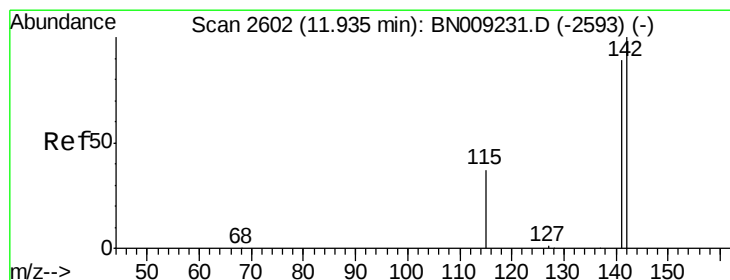
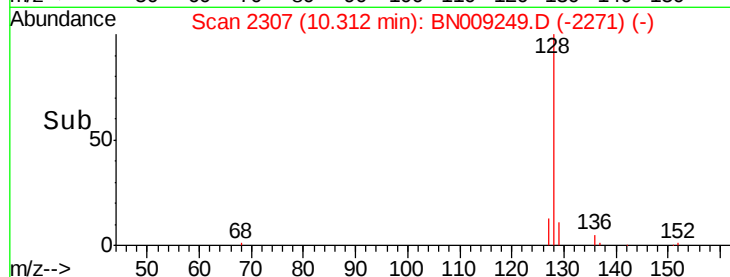
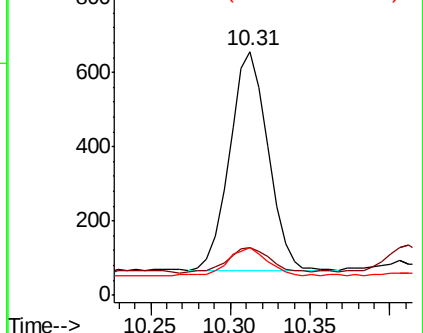
127 19.4 10.9 16.3#



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: 0.024 ng/ul

RT: 11.94 min Scan# 2603

Delta R.T. 0.01 min

Lab File: BN009249.D

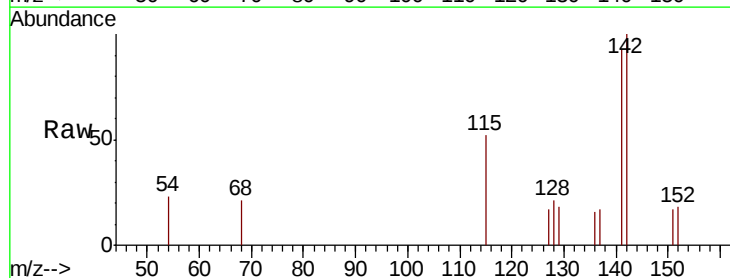
Acq: 29 Dec 2019 03:40

Tgt Ion:142 Resp: 531

Ion Ratio Lower Upper

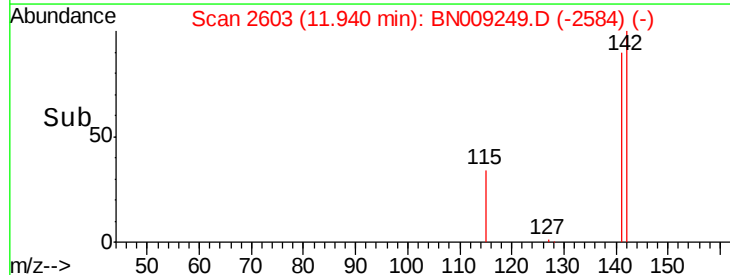
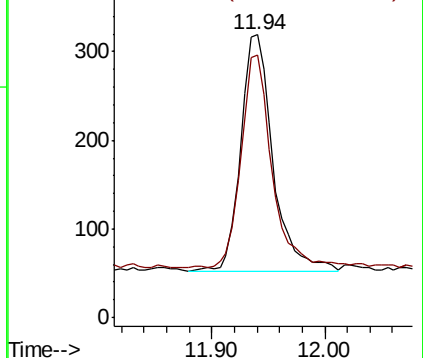
142 100

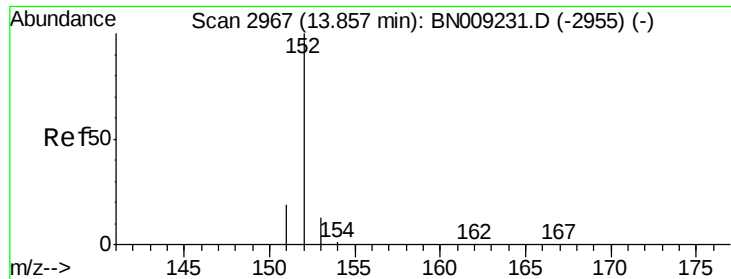
141 87.8 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.040 ng/ul

RT: 13.85 min Scan# 2966

Delta R.T. -0.00 min

Lab File: BN009249.D

Acq: 29 Dec 2019 03:40

Instrument :

BNA_N

ClientSampleId :

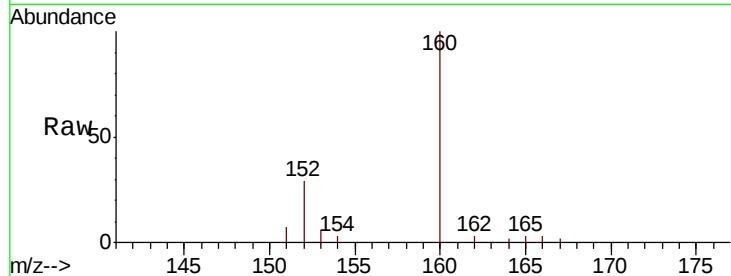
Tot Ion:152 Resp: 1062

Ion Ratio Lower Upper

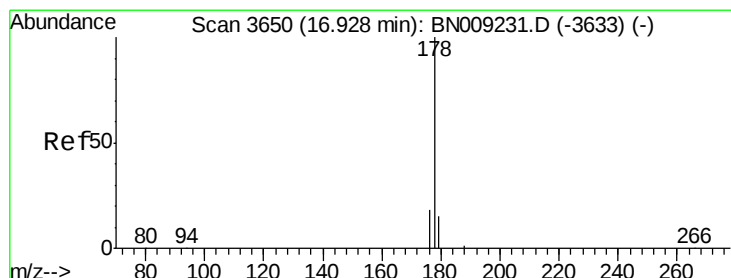
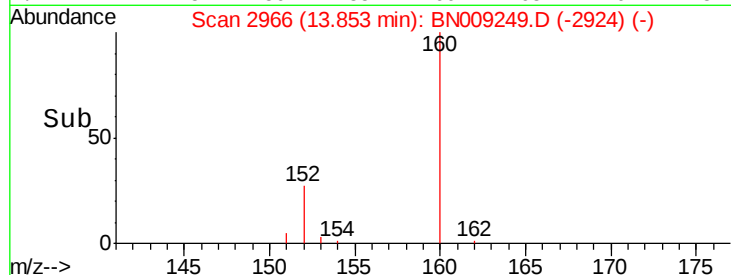
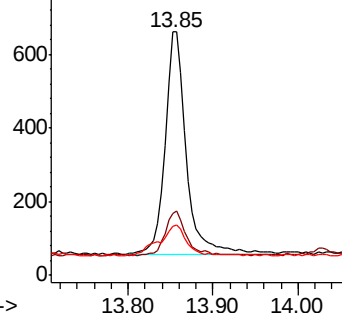
152 100

151 25.4 15.7 23.5#

153 19.9 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: 0.115 ng/ul

RT: 16.93 min Scan# 3650

Delta R.T. 0.00 min

Lab File: BN009249.D

Acq: 29 Dec 2019 03:40

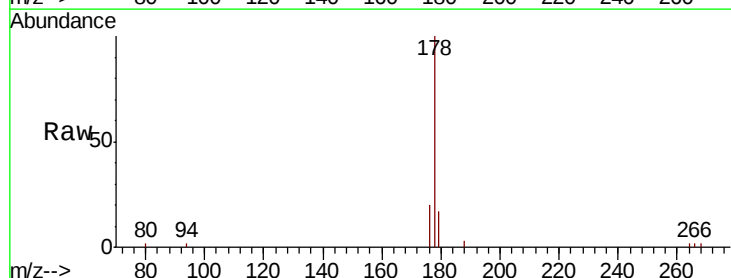
Tgt Ion:178 Resp: 4093

Ion Ratio Lower Upper

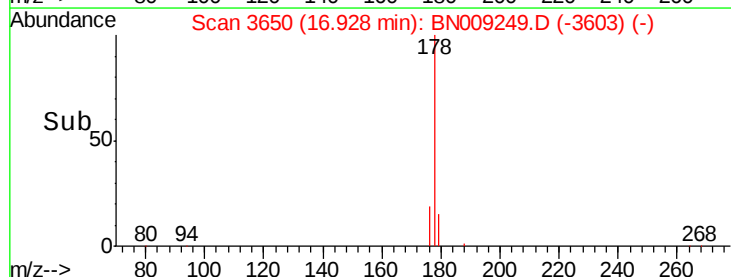
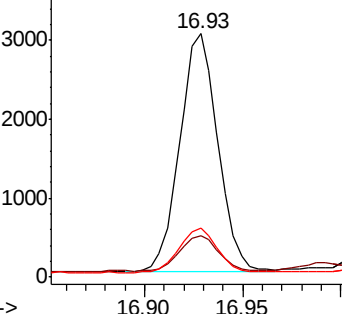
178 100

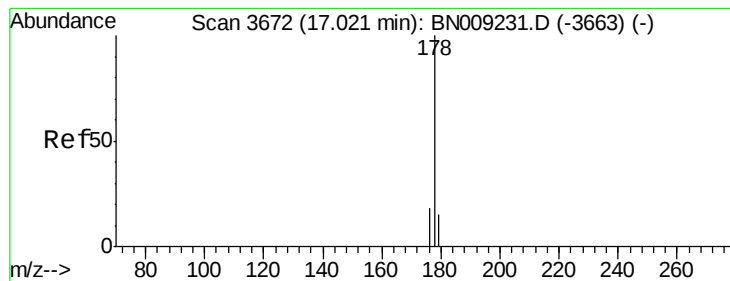
179 17.1 12.3 18.5

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: 0.037 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. 0.00 min

Lab File: BN009249.D

Acq: 29 Dec 2019 03:40

Instrument :

BNA_N

ClientSampleId :

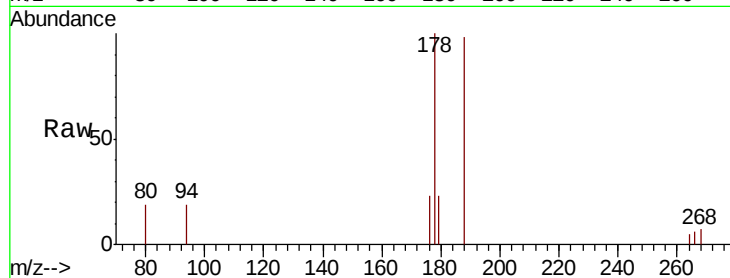
Tot Ion:178 Resp: 1167

Ion Ratio Lower Upper

178 100

179 23.3 12.5 18.7#

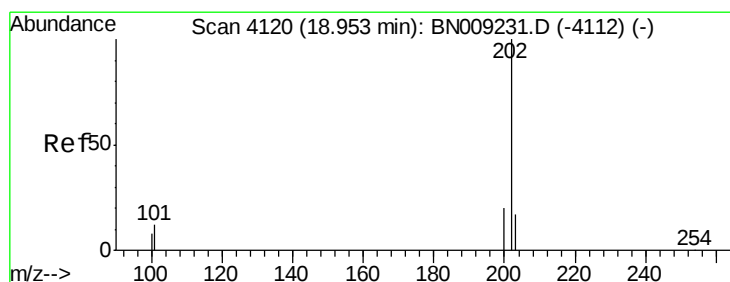
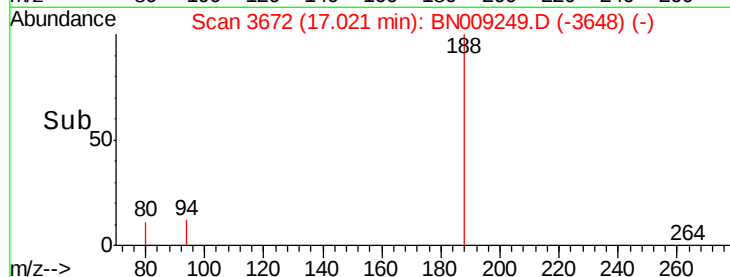
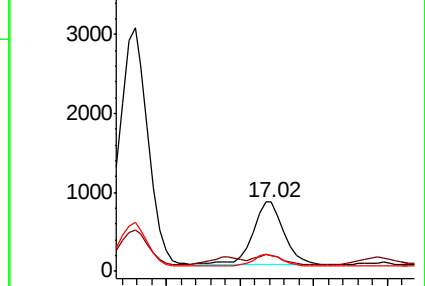
176 22.8 14.9 22.3#



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: 0.201 ng/ul

RT: 18.95 min Scan# 4119

Delta R.T. -0.00 min

Lab File: BN009249.D

Acq: 29 Dec 2019 03:40

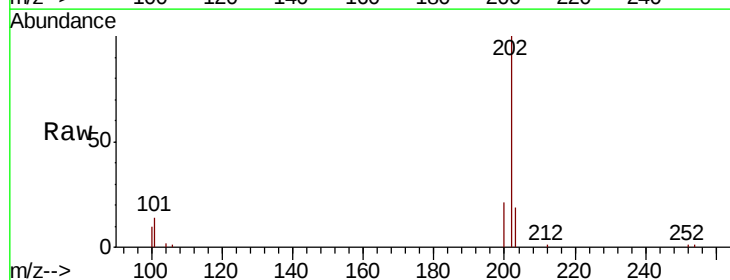
Tgt Ion:202 Resp: 8176

Ion Ratio Lower Upper

202 100

101 13.6 0.0 31.5

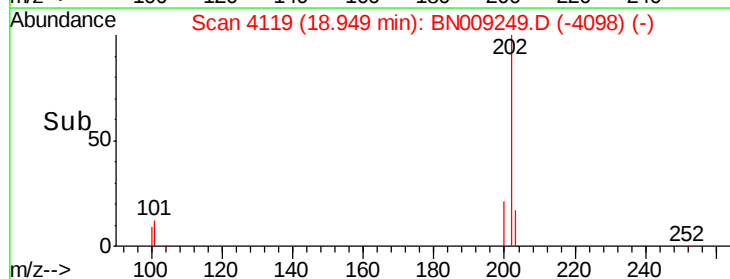
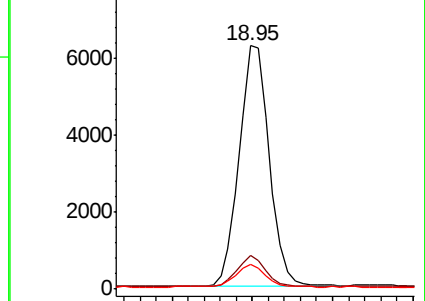
100 10.0 0.0 28.9

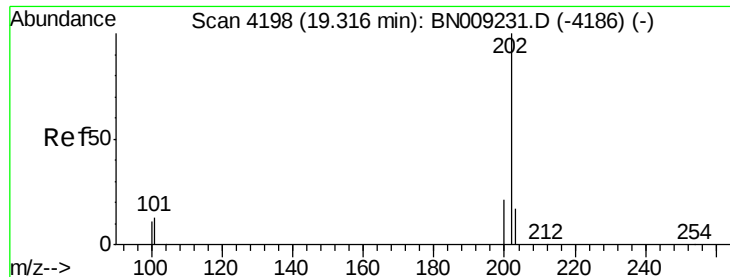


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

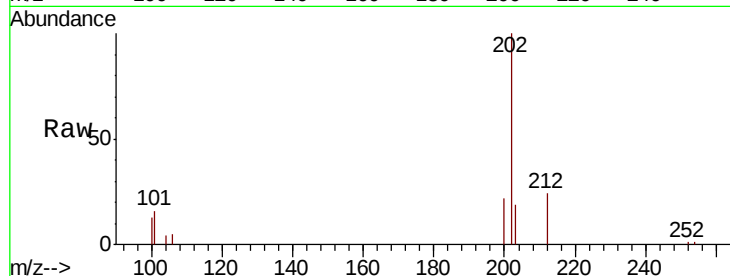




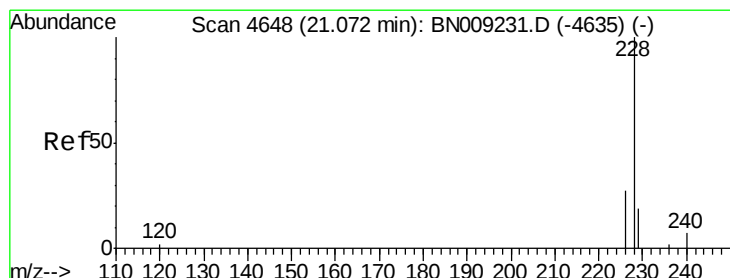
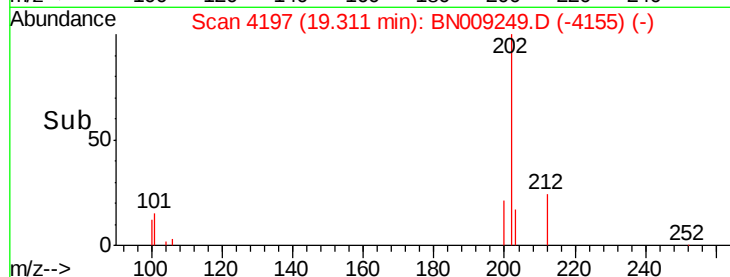
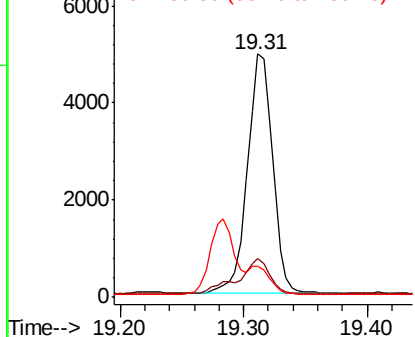
#17
Pvrene
Concen: 0.173 ng/ul
RT: 19.31 min Scan# 4197
Delta R.T. -0.00 min
Lab File: BN009249.D
Acq: 29 Dec 2019 03:40

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 7068
Ion Ratio Lower Upper
202 100
101 15.8 10.9 16.3
100 12.8 9.0 13.6

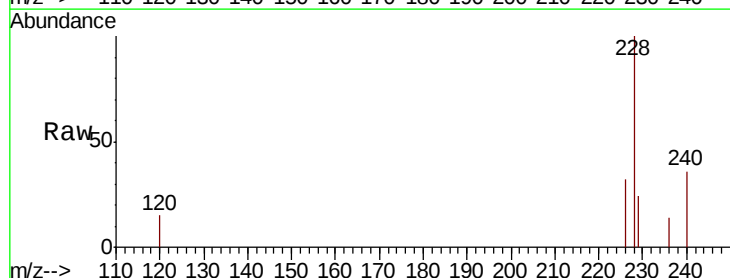


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

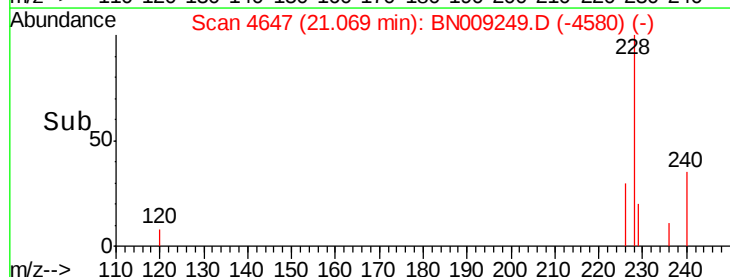
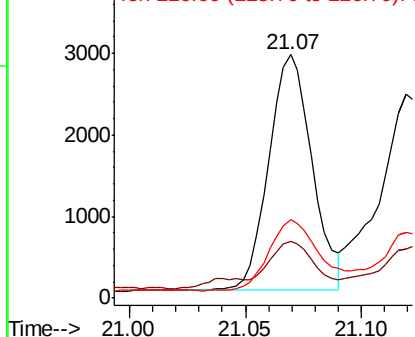


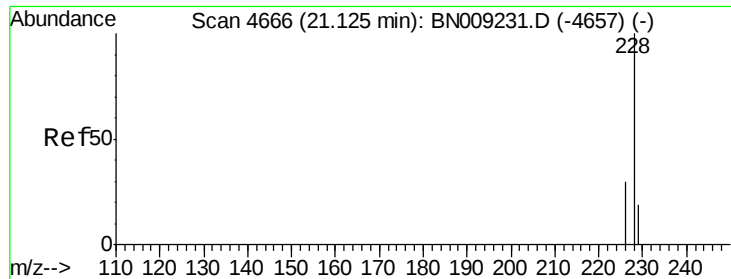
#18
Benzo(a)anthracene
Concen: 0.106 ng/ul
RT: 21.07 min Scan# 4647
Delta R.T. -0.00 min
Lab File: BN009249.D
Acq: 29 Dec 2019 03:40

Tgt Ion:228 Resp: 3751
Ion Ratio Lower Upper
228 100
229 23.5 15.5 23.3#
226 32.4 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: 0.103 ng/ul

RT: 21.12 min Scan# 4664

Delta R.T. -0.01 min

Lab File: BN009249.D

Acq: 29 Dec 2019 03:40

Instrument :

BNA_N

ClientSampleId :

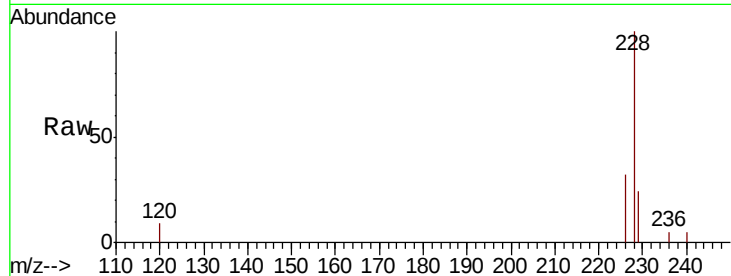
Tot Ion:228 Resp: 3696

Ion Ratio Lower Upper

228 100

226 32.3 23.7 35.5

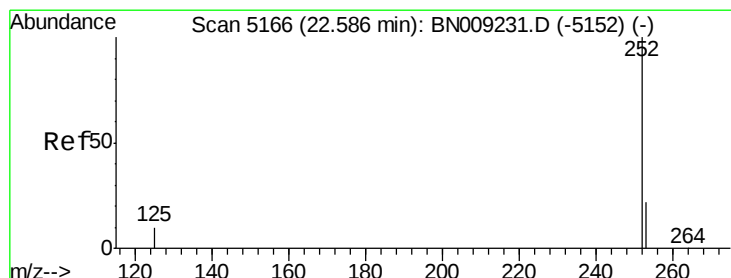
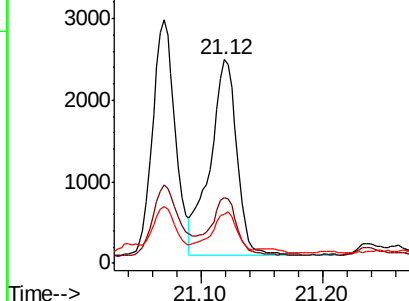
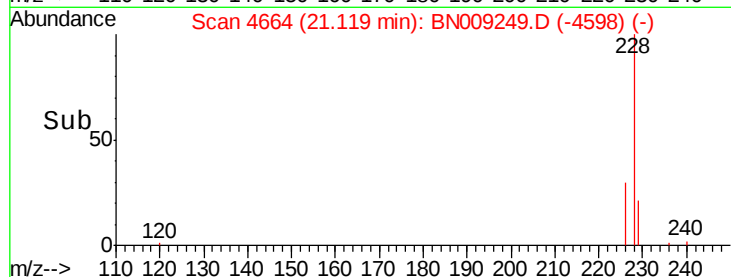
229 24.1 15.4 23.0#



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: 0.170 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. 0.00 min

Lab File: BN009249.D

Acq: 29 Dec 2019 03:40

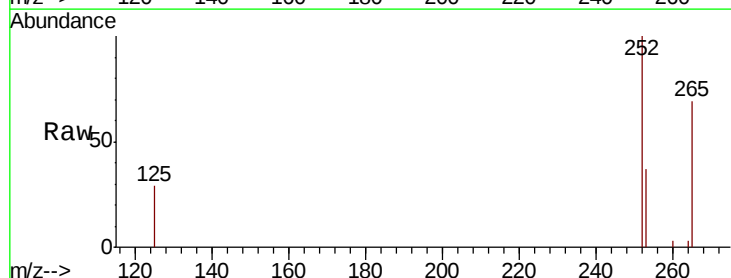
Tgt Ion:252 Resp: 6601

Ion Ratio Lower Upper

252 100

253 37.3 0.0 48.2

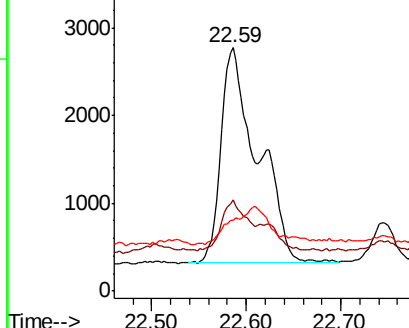
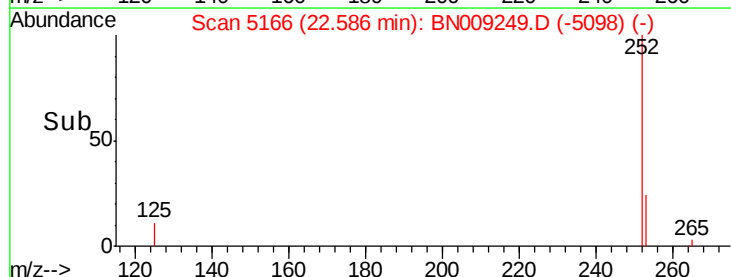
125 29.3 0.0 30.0

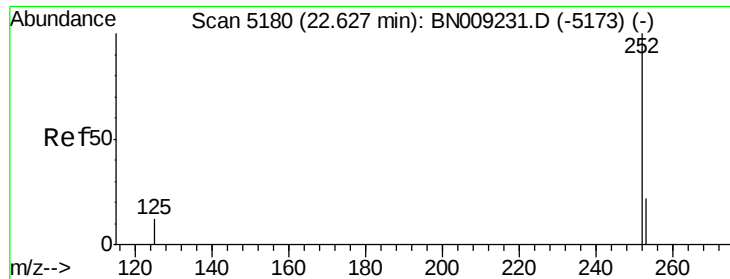


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.169 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. -0.04 min

Lab File: BN009249.D

Acq: 29 Dec 2019 03:40

Instrument :

BNA_N

ClientSampleId :

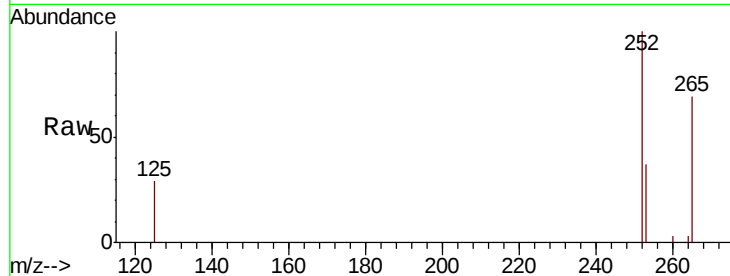
Tot Ion:252 Resp: 6601

Ion Ratio Lower Upper

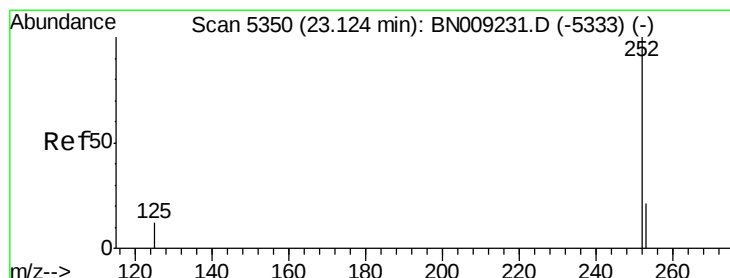
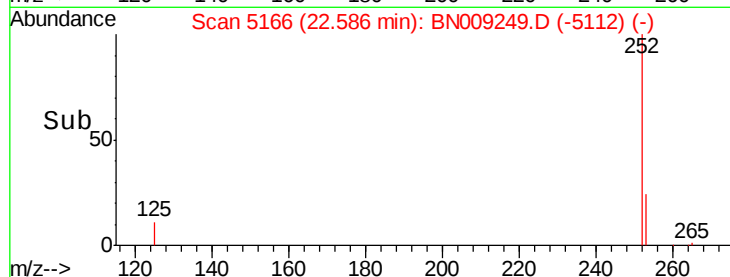
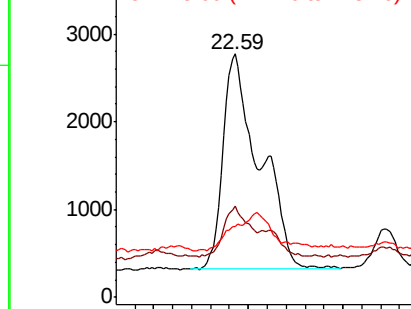
252 100

253 37.3 19.4 29.0#

125 29.3 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: 0.092 ng/ul

RT: 23.12 min Scan# 5348

Delta R.T. -0.01 min

Lab File: BN009249.D

Acq: 29 Dec 2019 03:40

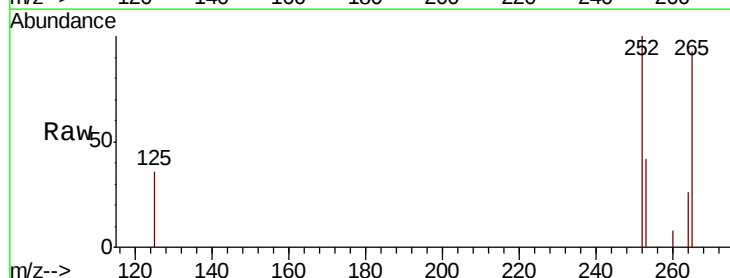
Tgt Ion:252 Resp: 3127

Ion Ratio Lower Upper

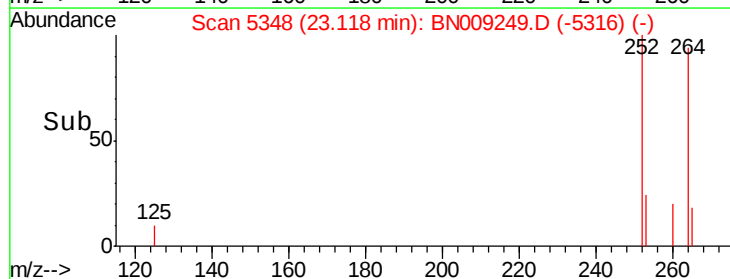
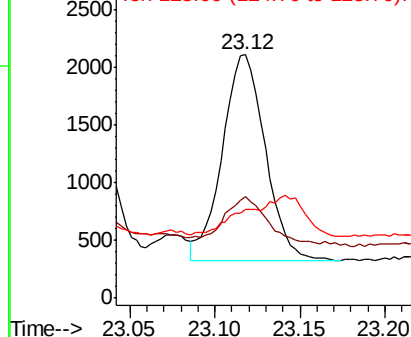
252 100

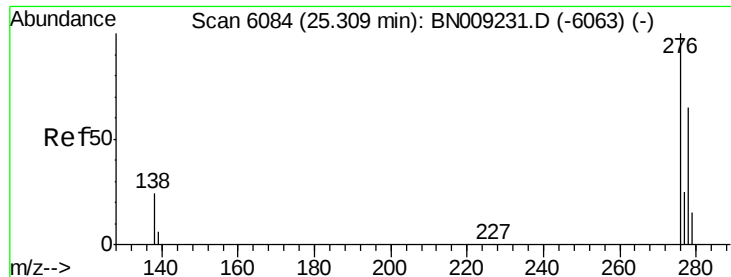
253 41.6 20.2 30.4#

125 36.2 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



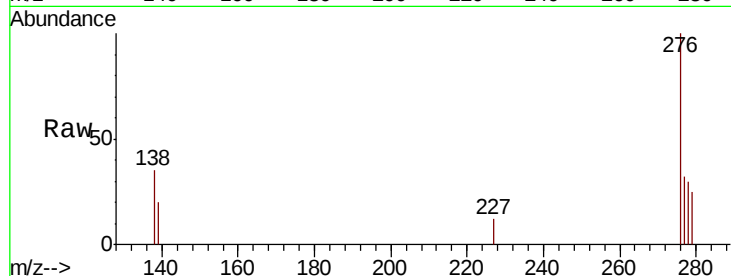


#24

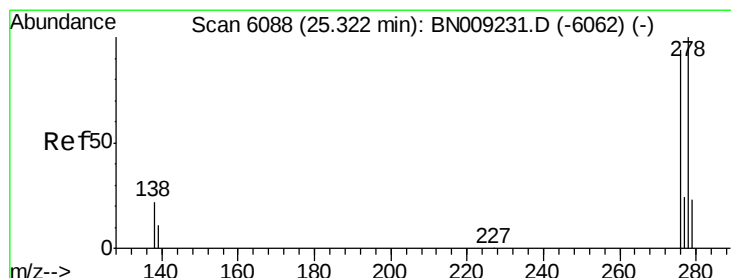
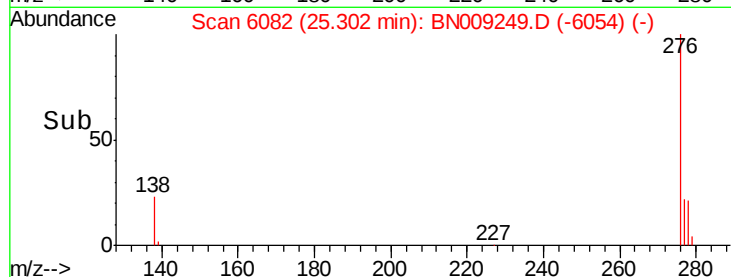
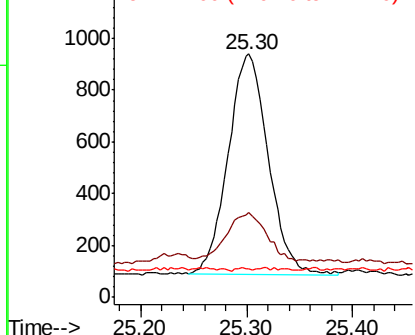
Indeno(1,2,3-cd)pyrene
Concen: 0.060 ng/u1
RT: 25.30 min Scan# 6082
Delta R.T. -0.01 min
Lab File: BN009249.D
Acq: 29 Dec 2019 03:40

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 2234
Ion Ratio Lower Upper
276 100
138 21.8 22.4 33.6#
227 0.4 0.2 0.4



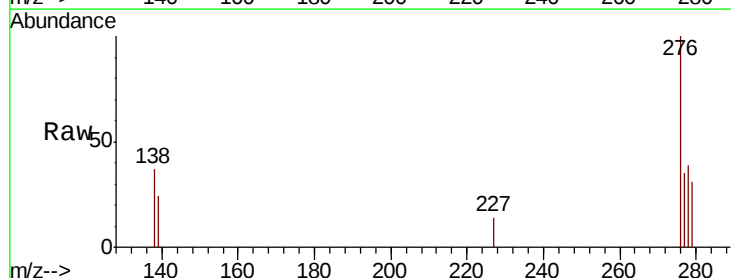
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



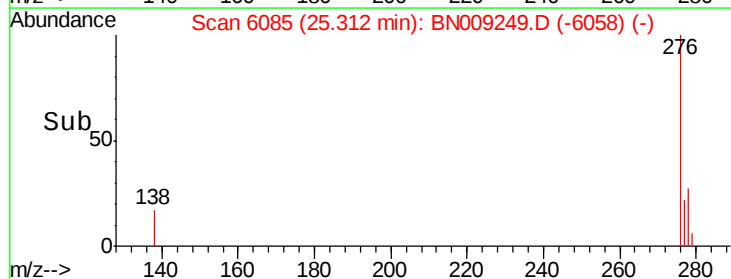
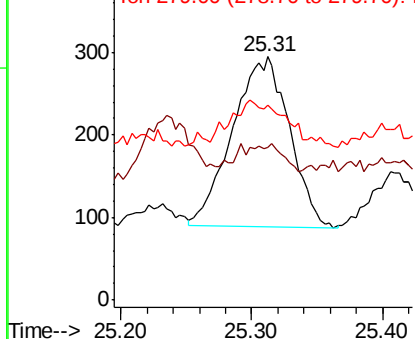
#25

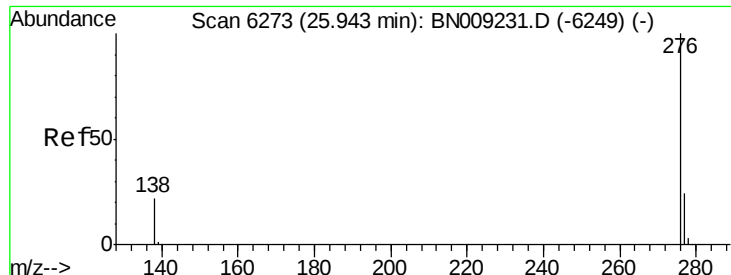
Dibenzo(a,h)anthracene
Concen: 0.021 ng/u1
RT: 25.31 min Scan# 6085
Delta R.T. -0.01 min
Lab File: BN009249.D
Acq: 29 Dec 2019 03:40

Tgt Ion:278 Resp: 620
Ion Ratio Lower Upper
278 100
139 62.7 16.2 24.2#
279 80.0 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: 0.073 ng/ul

RT: 25.93 min Scan# 6270

Delta R.T. -0.01 min

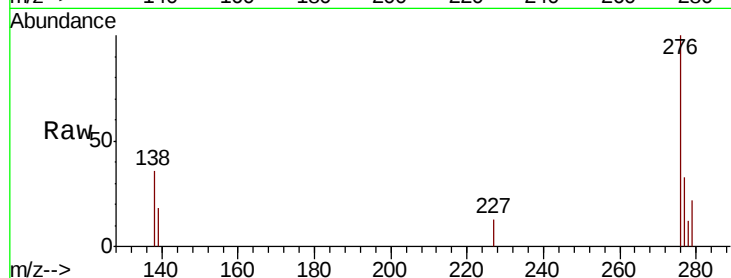
Lab File: BN009249.D

Acq: 29 Dec 2019 03:40

Instrument :

BNA_N

ClientSampleId :



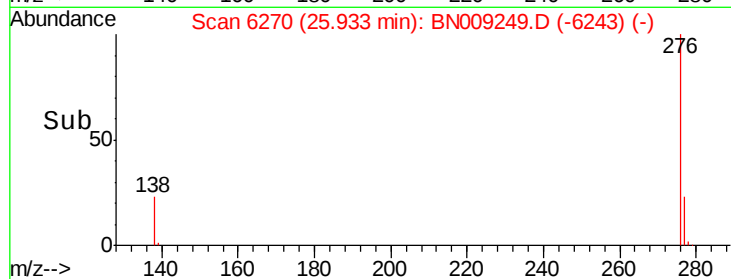
Tot Ion: 276 Resp: 2267

Ion Ratio Lower Upper

276 100

138 36.1 20.6 30.8#

277 32.7 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

