

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120719\
 Data File : BN008883.D
 Acq On : 07 Dec 2019 10:53
 Operator : JU
 Sample : K6007-03DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 09 00:12:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 12:03:45 2019
 Response via : Initial Calibration

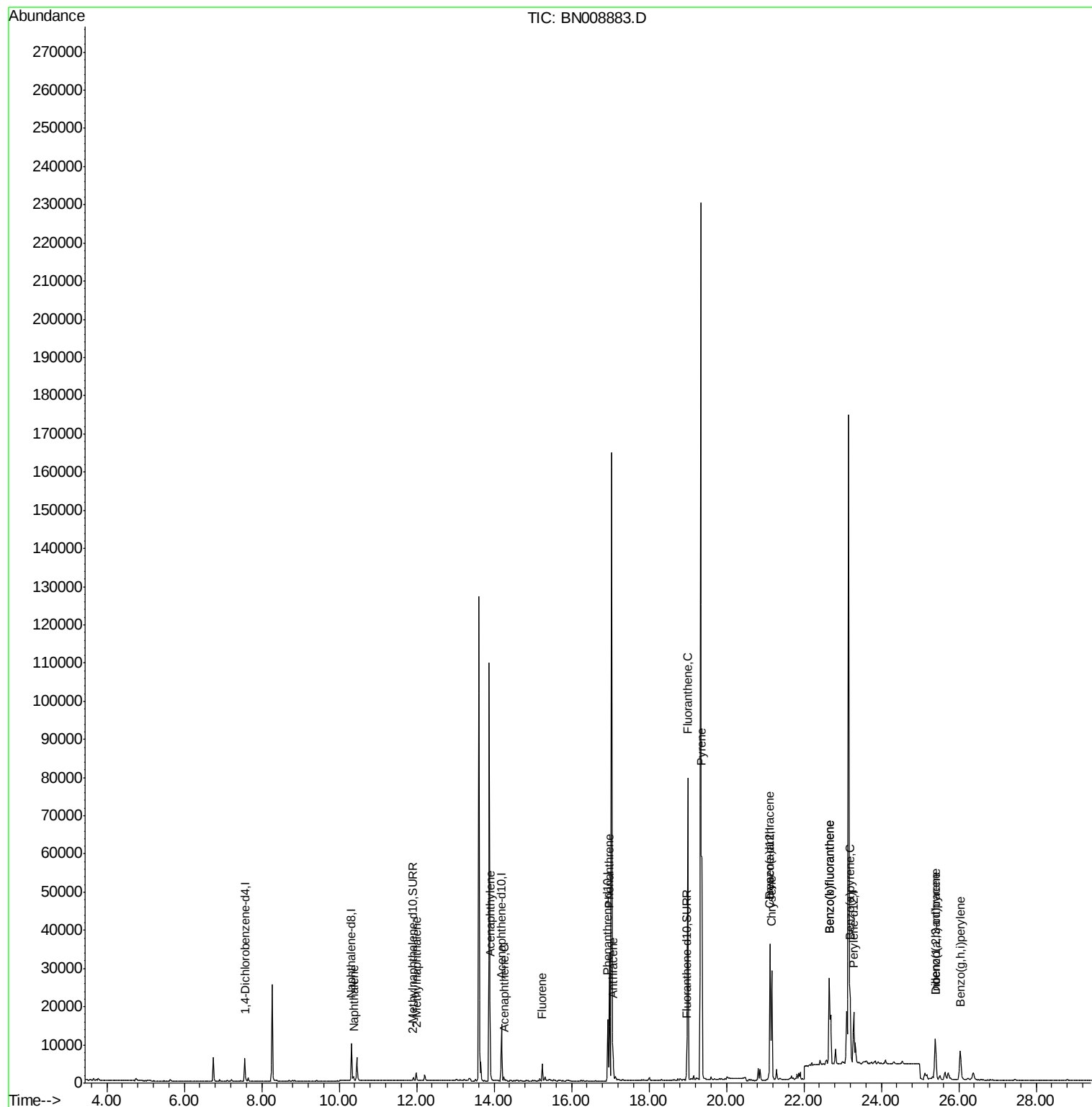
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	2881	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	11989	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	7816	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.93	188	17845	0.40	ng/ul	0.00
16) Chrysene-d12	21.14	240	15221	0.40	ng/ul	0.00
20) Perylene-d12	23.28	264	16411	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.91	152	868	0.04	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	2491	0.05	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.37	128	1344	0.037	ng/ul#	87
5) 2-Methylnaphthalene	11.99	142	1508	0.060	ng/ul	99
7) Acenaphthylene	13.90	152	2182	0.050	ng/ul#	92
8) Acenaphthene	14.25	153	670	0.021	ng/ul	96
9) Fluorene	15.25	166	2873	0.076	ng/ul#	97
12) Phenanthrene	16.97	178	33834	0.562	ng/ul	99
13) Anthracene	17.07	178	7896	0.139	ng/ul	98
15) Fluoranthene	19.00	202	65787	0.890	ng/ul	99
17) Pyrene	19.36	202	56014	0.917	ng/ul	98
18) Benzo(a)anthracene	21.12	228	27610	0.451	ng/ul	97
19) Chrysene	21.17	228	27123	0.451	ng/ul	97
21) Benzo(b)fluoranthene	22.65	252	47005	0.695	ng/ul	99
22) Benzo(k)fluoranthene	22.65	252	47005	0.700	ng/ul	99
23) Benzo(a)pyrene	23.19	252	23984	0.378	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.39	276	15730	0.212	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.40	278	3977	0.066	ng/ul#	77
26) Benzo(a,h,i)perylene	26.04	276	14826	0.239	ng/ul	99

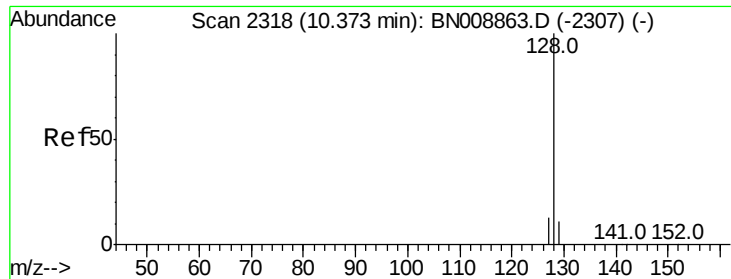
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_N
ClientSampleId :

Quant Time: Dec 09 00:12:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN11519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 06 12:03:45 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.037 ng/ul

RT: 10.37 min Scan# 2317

Delta R.T. -0.01 min

Lab File: BN008883.D

Acq: 07 Dec 2019 10:53

Instrument :

BNA_N

ClientSampleId :

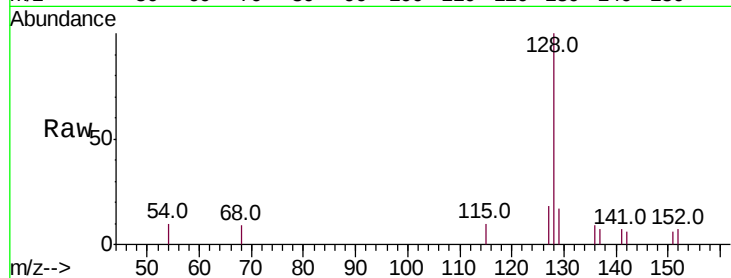
Tot Ion:128 Resp: 1344

Ion Ratio Lower Upper

128 100

129 17.2 9.1 13.7#

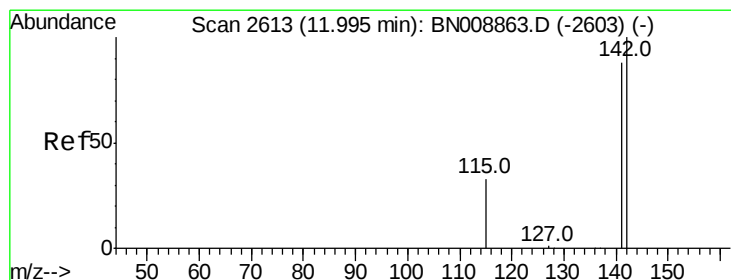
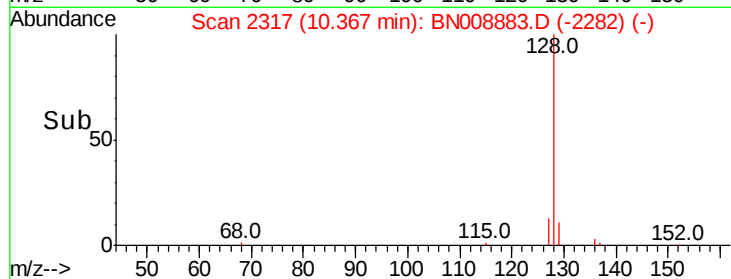
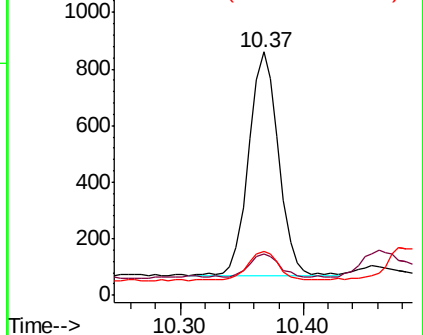
127 18.1 10.7 16.1#



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: 0.060 ng/ul

RT: 11.99 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BN008883.D

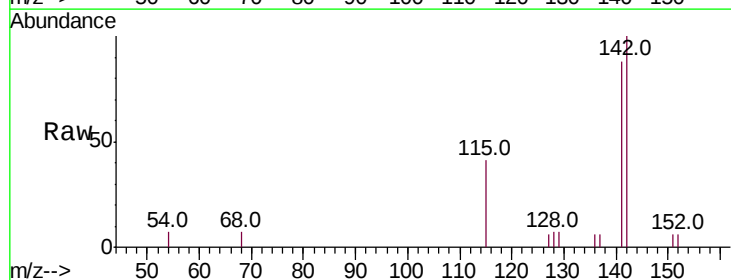
Acq: 07 Dec 2019 10:53

Tgt Ion:142 Resp: 1508

Ion Ratio Lower Upper

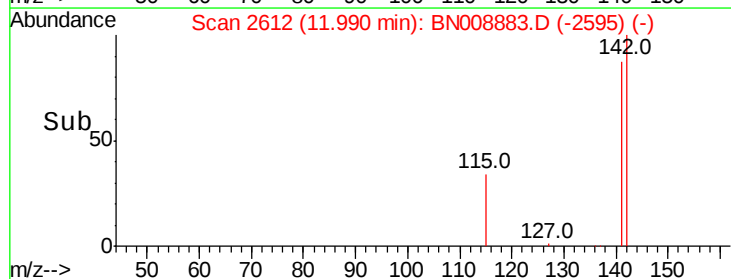
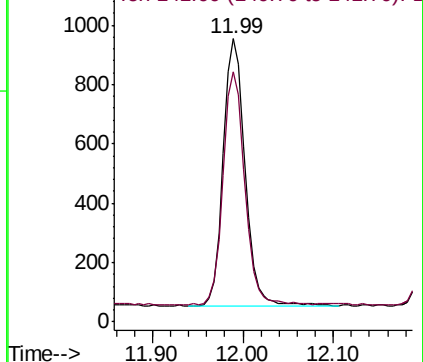
142 100

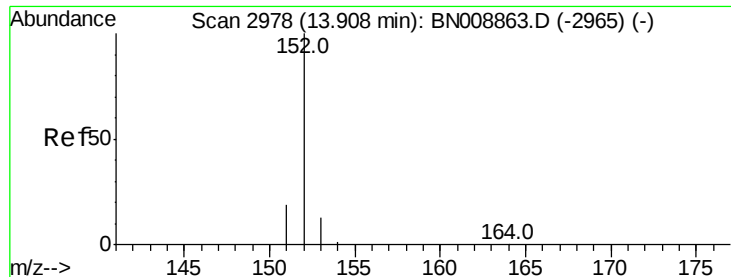
141 86.8 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.050 ng/ul

RT: 13.90 min Scan# 2977

Delta R.T. -0.00 min

Lab File: BN008883.D

Acq: 07 Dec 2019 10:53

Instrument :

BNA_N

ClientSampleId :

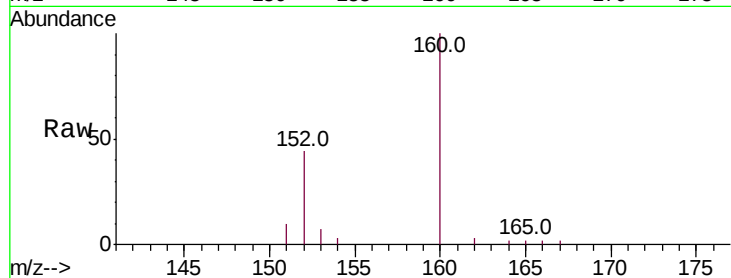
Tot Ion:152 Resp: 2182

Ion Ratio Lower Upper

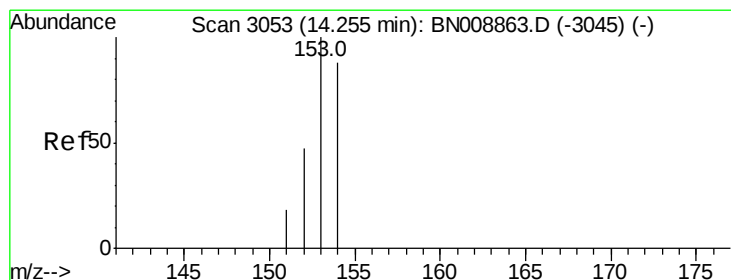
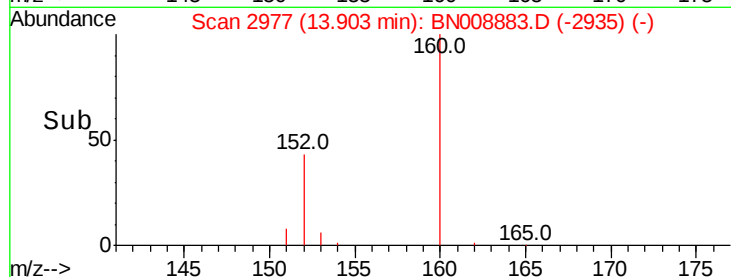
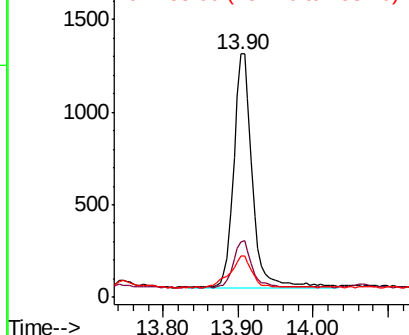
152 100

151 22.6 15.8 23.6

153 17.0 10.6 15.8#



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: 0.021 ng/ul

RT: 14.25 min Scan# 3052

Delta R.T. -0.01 min

Lab File: BN008883.D

Acq: 07 Dec 2019 10:53

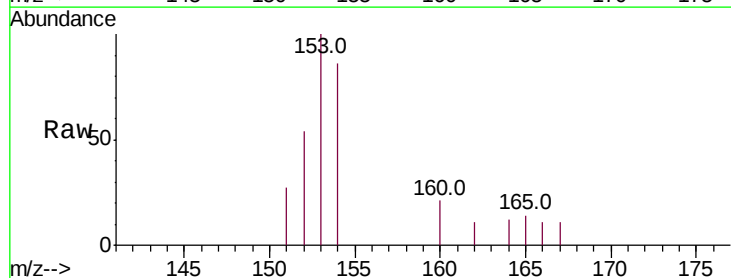
Tgt Ion:153 Resp: 670

Ion Ratio Lower Upper

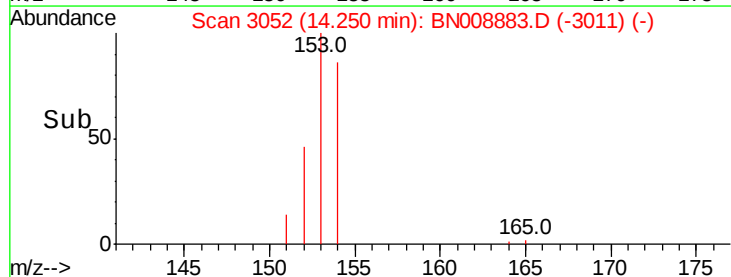
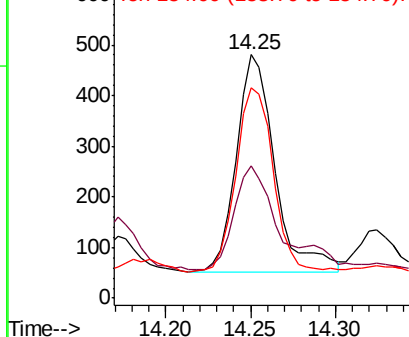
153 100

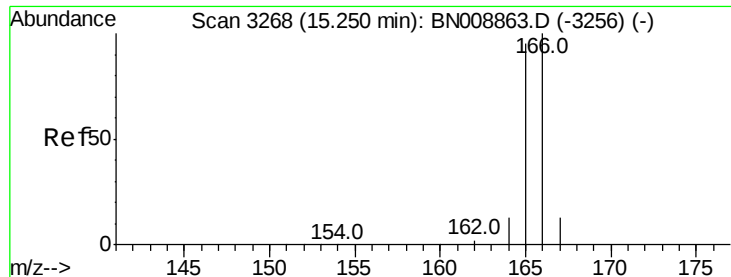
152 54.5 38.6 58.0

154 86.5 70.6 105.8



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: 0.076 ng/ul

RT: 15.25 min Scan# 3267

Delta R.T. -0.00 min

Lab File: BN008883.D

Acq: 07 Dec 2019 10:53

Instrument :

BNA_N

ClientSampleId :

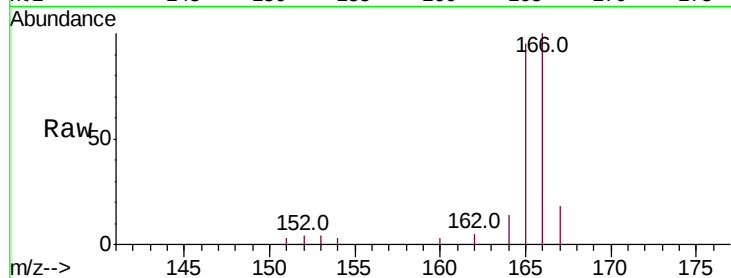
Tot Ion:166 Resp: 2873

Ion Ratio Lower Upper

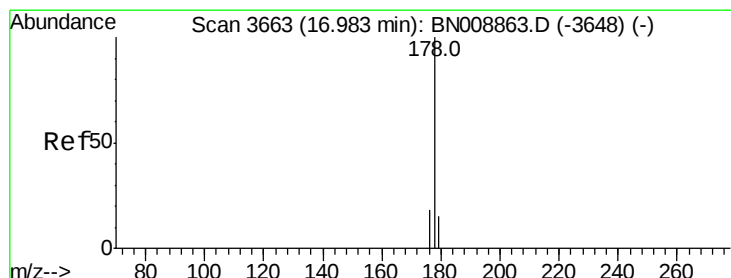
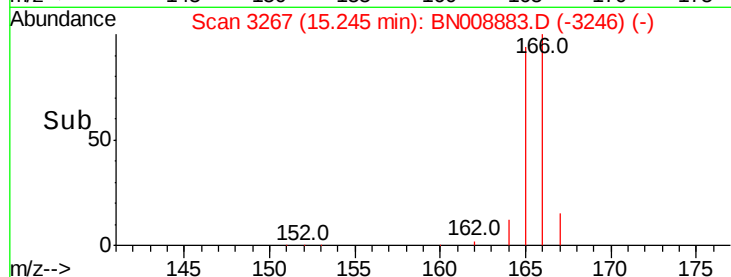
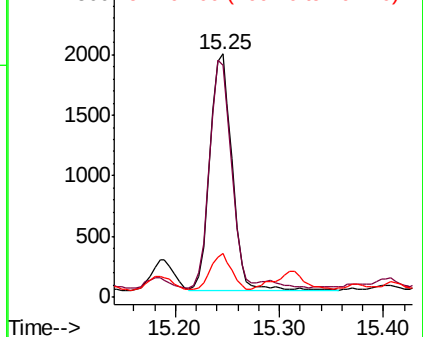
166 100

165 95.4 77.7 116.5

167 17.8 11.1 16.7#



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: 0.562 ng/ul

RT: 16.97 min Scan# 3661

Delta R.T. -0.00 min

Lab File: BN008883.D

Acq: 07 Dec 2019 10:53

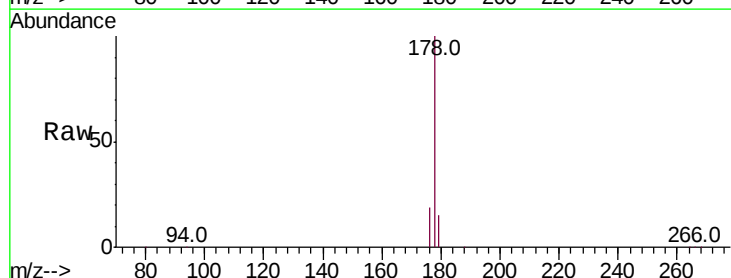
Tgt Ion:178 Resp: 33834

Ion Ratio Lower Upper

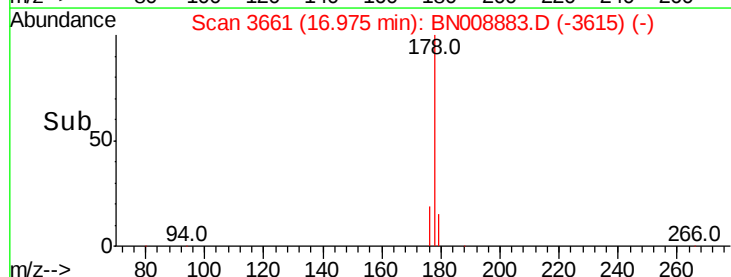
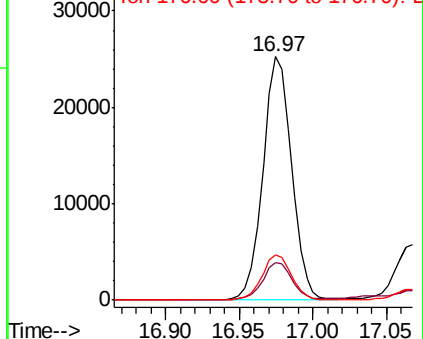
178 100

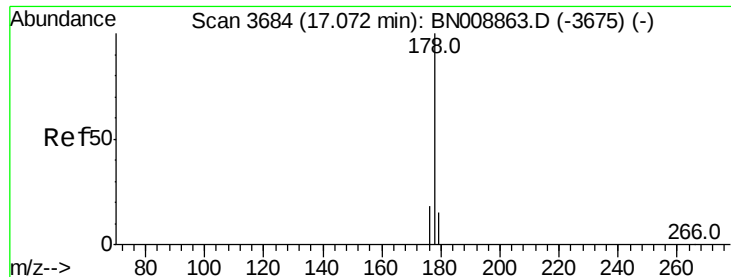
179 15.4 12.6 18.8

176 18.8 15.3 22.9



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: 0.139 ng/ul

RT: 17.07 min Scan# 3683

Delta R.T. -0.00 min

Lab File: BN008883.D

Acq: 07 Dec 2019 10:53

Instrument :

BNA_N

ClientSampleId :

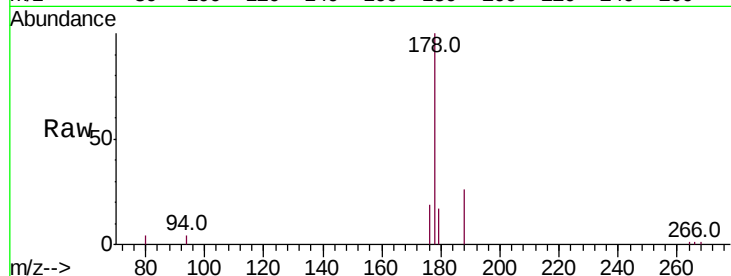
Tot Ion:178 Resp: 7896

Ion Ratio Lower Upper

178 100

179 17.0 12.2 18.4

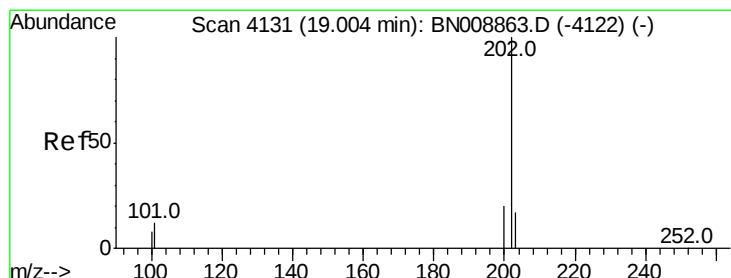
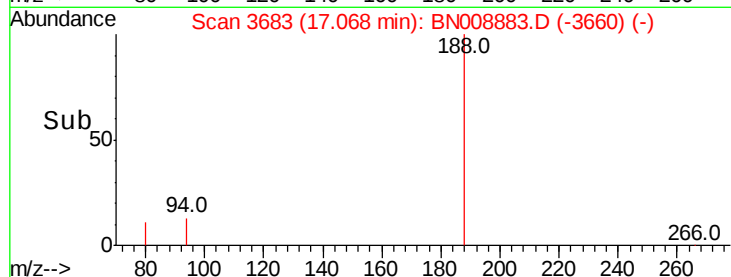
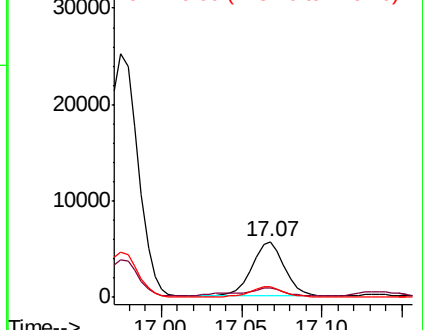
176 18.7 14.7 22.1



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: 0.890 ng/ul

RT: 19.00 min Scan# 4130

Delta R.T. -0.00 min

Lab File: BN008883.D

Acq: 07 Dec 2019 10:53

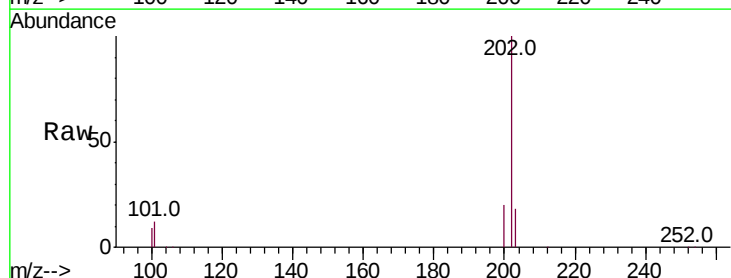
Tgt Ion:202 Resp: 65787

Ion Ratio Lower Upper

202 100

101 12.2 0.0 32.4

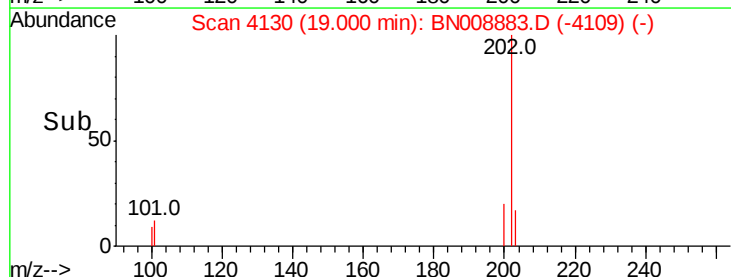
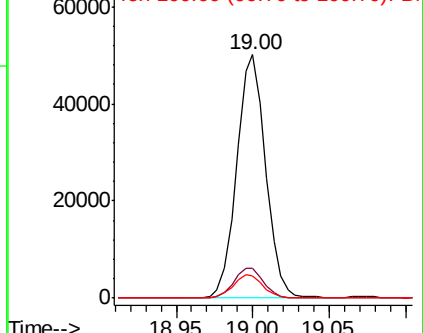
100 8.9 0.0 29.2

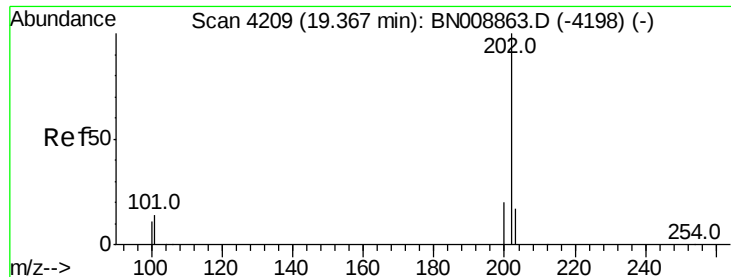


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

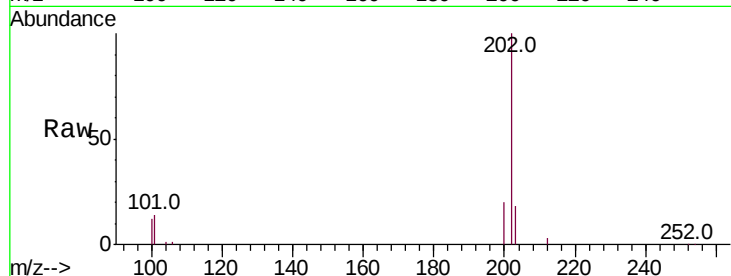




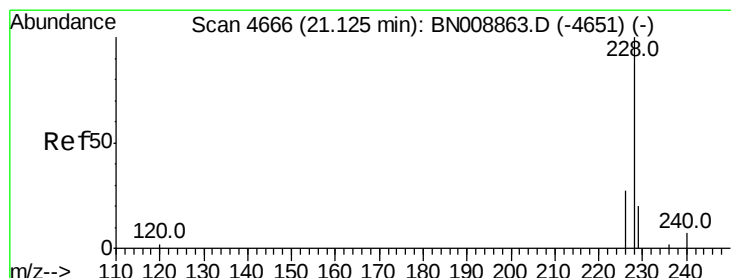
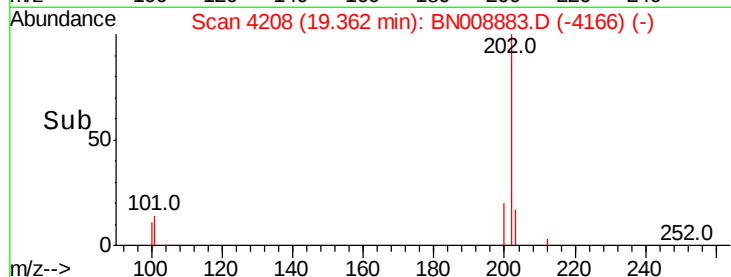
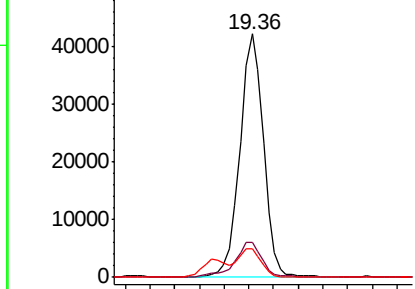
#17
Pvrene
Concen: 0.917 ng/ul
RT: 19.36 min Scan# 4208
Delta R.T. -0.00 min
Lab File: BN008883.D
Acq: 07 Dec 2019 10:53

Instrument :
BNA_N
ClientSampled :

Tot Ion:202 Resp: 56014
Ion Ratio Lower Upper
202 100
101 14.3 12.2 18.4
100 11.5 9.5 14.3

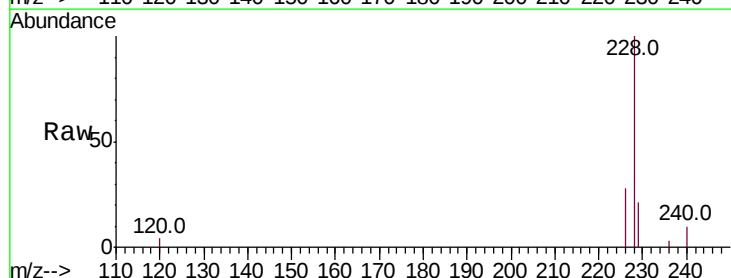


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

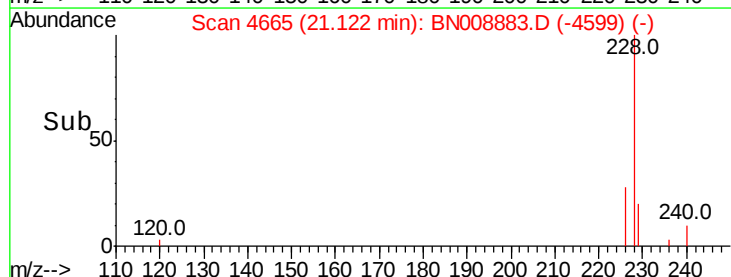
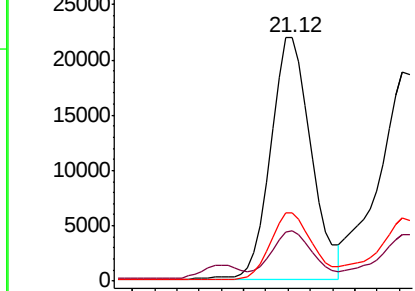


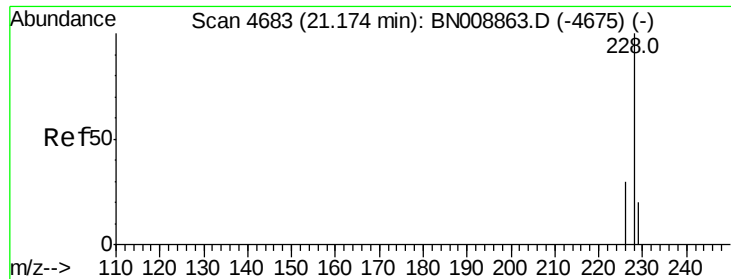
#18
Benzo(a)anthracene
Concen: 0.451 ng/ul
RT: 21.12 min Scan# 4665
Delta R.T. -0.01 min
Lab File: BN008883.D
Acq: 07 Dec 2019 10:53

Tgt Ion:228 Resp: 27610
Ion Ratio Lower Upper
228 100
229 20.9 15.7 23.5
226 28.1 21.5 32.3



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: 0.451 ng/ul

RT: 21.17 min Scan# 4682

Delta R.T. -0.01 min

Lab File: BN008883.D

Acq: 07 Dec 2019 10:53

Instrument :

BNA_N

ClientSampled :

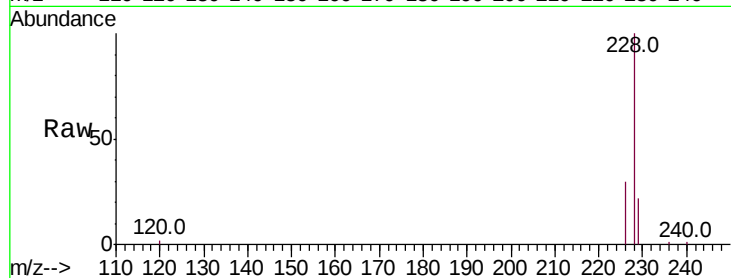
Tot Ion:228 Resp: 27123

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.6

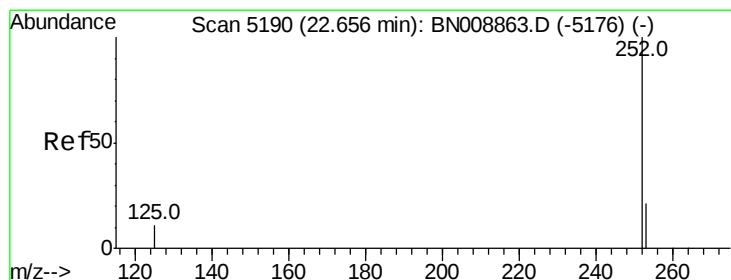
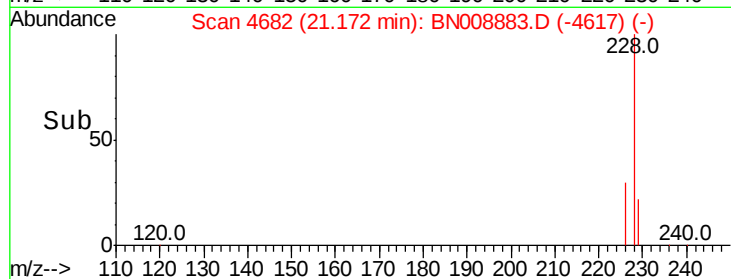
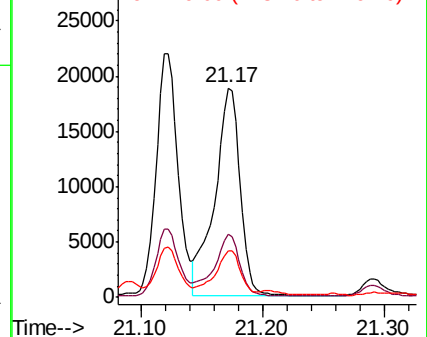
229 22.1 15.6 23.4



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: 0.695 ng/ul

RT: 22.65 min Scan# 5188

Delta R.T. -0.01 min

Lab File: BN008883.D

Acq: 07 Dec 2019 10:53

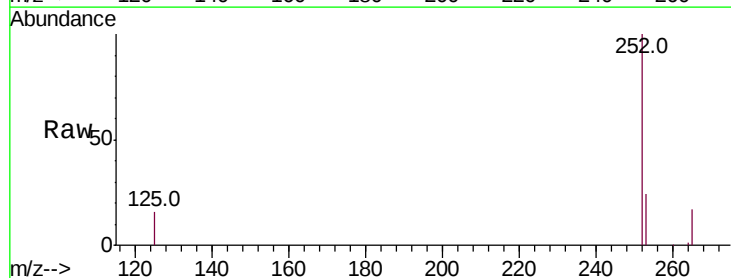
Tgt Ion:252 Resp: 47005

Ion Ratio Lower Upper

252 100

253 24.5 0.0 48.6

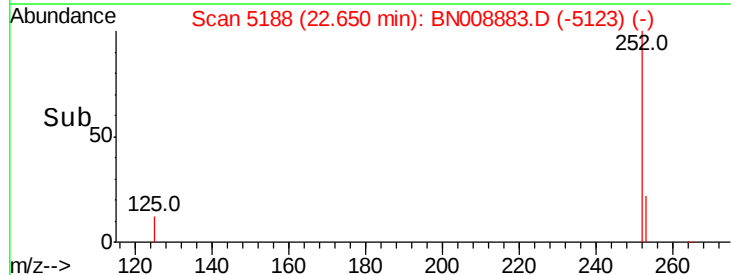
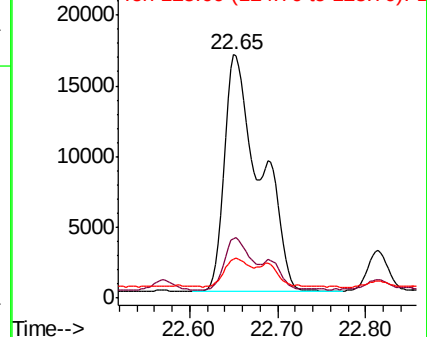
125 16.2 0.0 31.6

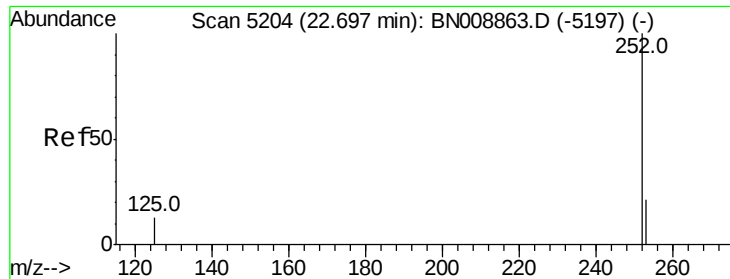


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.700 ng/u1

RT: 22.65 min Scan# 5188

Delta R.T. -0.05 min

Lab File: BN008883.D

Acq: 07 Dec 2019 10:53

Instrument :

BNA_N

ClientSampleId :

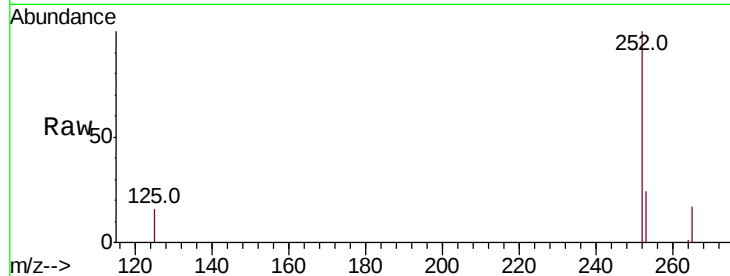
Tot Ion:252 Resp: 47005

Ion Ratio Lower Upper

252 100

253 24.5 19.6 29.4

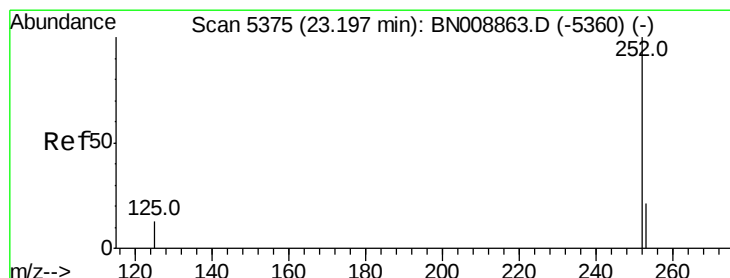
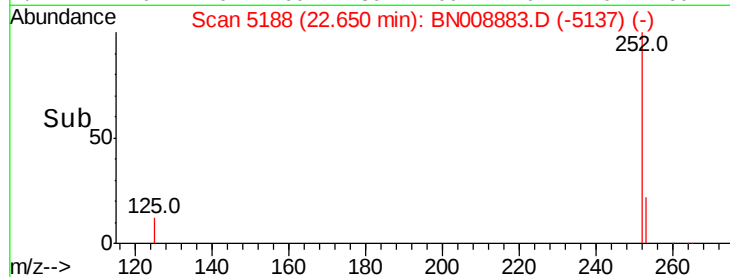
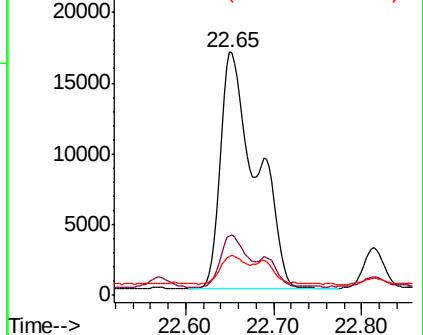
125 16.2 13.8 20.6



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: 0.378 ng/u1

RT: 23.19 min Scan# 5373

Delta R.T. -0.01 min

Lab File: BN008883.D

Acq: 07 Dec 2019 10:53

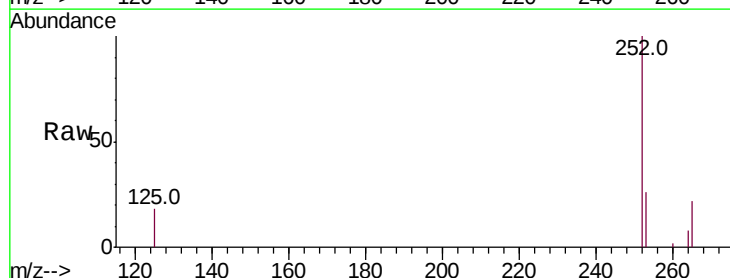
Tgt Ion:252 Resp: 23984

Ion Ratio Lower Upper

252 100

253 25.9 19.9 29.9

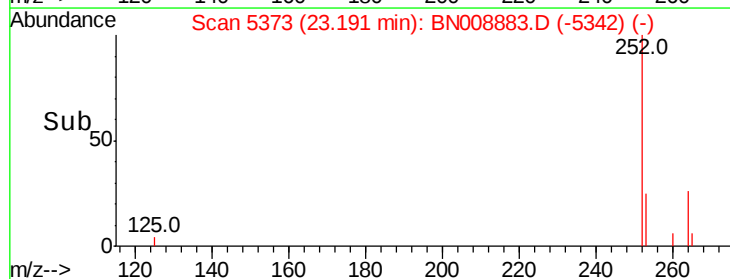
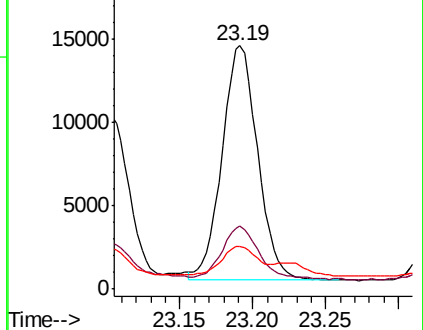
125 17.6 14.6 22.0

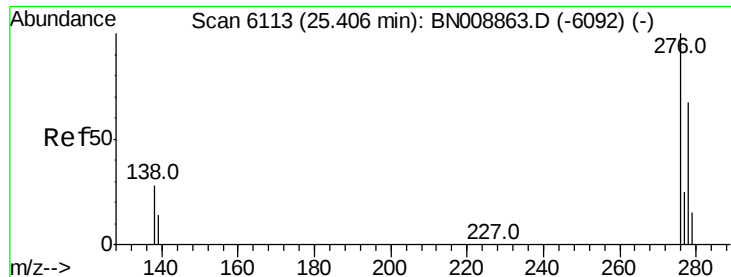


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



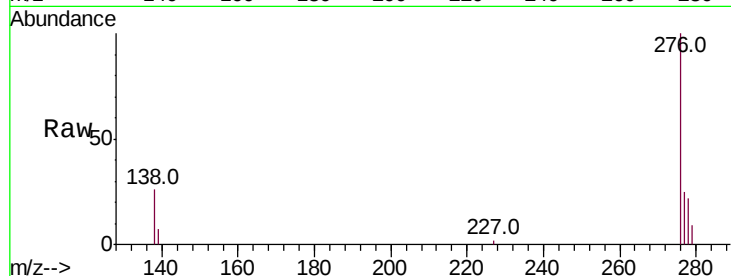


#24

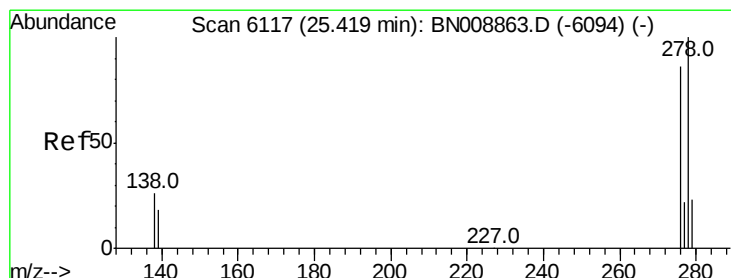
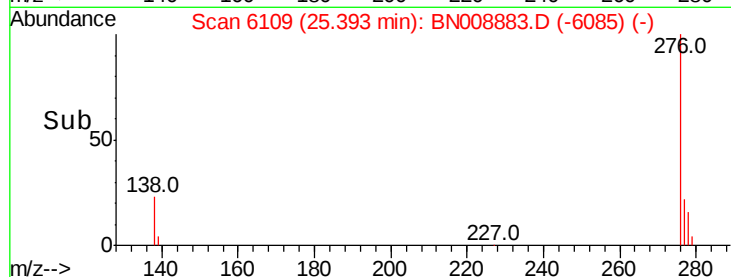
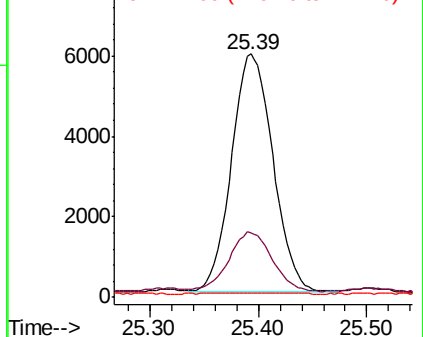
Indeno(1,2,3-cd)pyrene
Concen: 0.212 ng/ul
RT: 25.39 min Scan# 6109
Delta R.T. -0.02 min
Lab File: BN008883.D
Acq: 07 Dec 2019 10:53

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 15730
Ion Ratio Lower Upper
276 100
138 26.0 23.8 35.6
227 0.1 0.2 0.2#



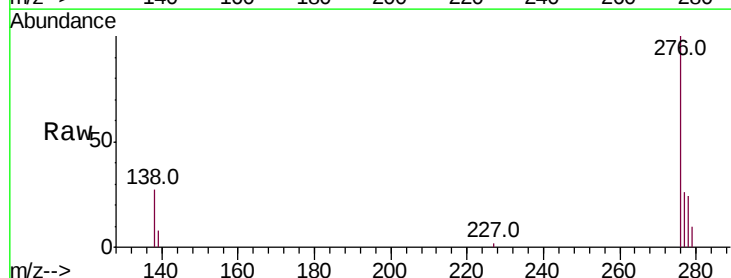
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



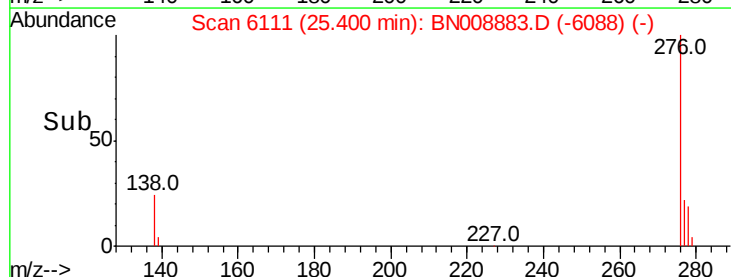
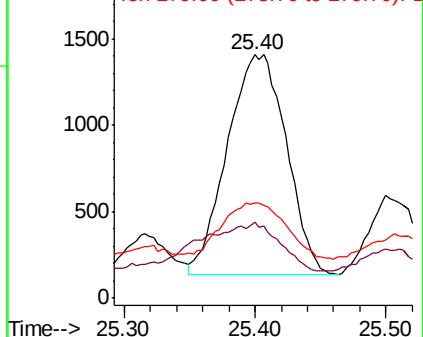
#25

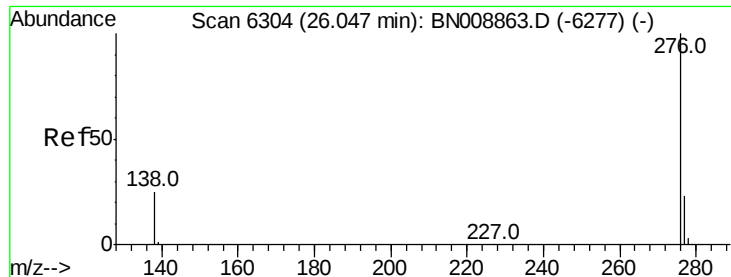
Dibenzo(a,h)anthracene
Concen: 0.066 ng/ul
RT: 25.40 min Scan# 6111
Delta R.T. -0.02 min
Lab File: BN008883.D
Acq: 07 Dec 2019 10:53

Tgt Ion:278 Resp: 3977
Ion Ratio Lower Upper
278 100
139 31.0 17.4 26.0#
279 39.1 20.5 30.7#



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: 0.239 ng/ul

RT: 26.04 min Scan# 6301

Delta R.T. -0.02 min

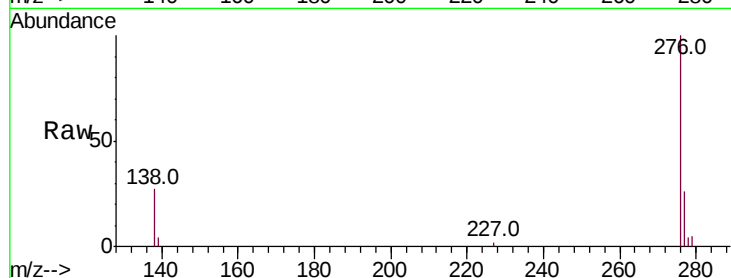
Lab File: BN008883.D

Acq: 07 Dec 2019 10:53

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 14826

Ion Ratio Lower Upper

276 100

138 27.3 21.9 32.9

277 25.8 19.9 29.9

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

