

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\
 Data File : BN007008.D
 Acq On : 08 Aug 2019 04:29
 Operator : HP/JU
 Sample : K3962-15
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 08 07:49:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN080719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 17:30:08 2019
 Response via : Initial Calibration

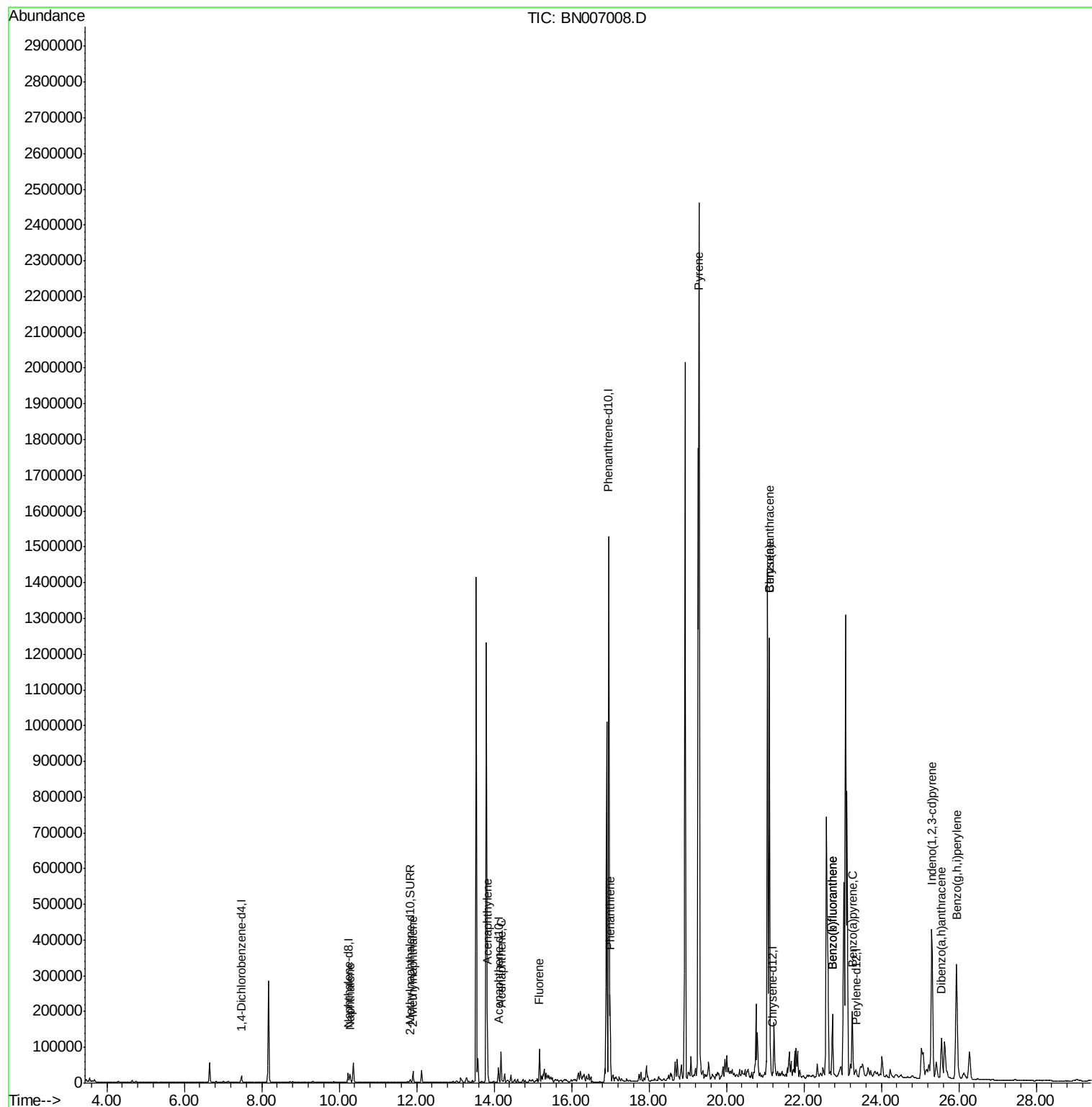
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	9274	0.40	ng/ul	0.00
2) Naphthalene-d8	10.23	136	35755	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	20220	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.96	188	1787638	0.40	ng/ul	0.10
16) Chrysene-d12	21.20	240	565	0.40	ng/ul	0.12
20) Perylene-d12	23.35	264	8185	0.40	ng/ul	0.14
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.83	152	11208	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.02	212	2740	0.00	ng/ul	0.11
Target Compounds				Ovalue		
3) Naphthalene	10.28	128	31768	0.309	ng/ul	98
5) 2-Methylnaphthalene	11.91	142	22663	0.293	ng/ul	100
7) Acenaphthylene	13.83	152	66117	0.564	ng/ul	99
8) Acenaphthene	14.18	153	49599	0.619	ng/ul	100
9) Fluorene	15.17	166	53128	0.547	ng/ul	99
12) Phenanthrene	16.99	178	242715	0.043	ng/ul	99
17) Pyrene	19.30	202	2145718	850.663	ng/ul	100
18) Benzo(a)anthracene	21.11	228	1210774	487.833	ng/ul	95
19) Chrysene	21.11	228	1210774	520.940	ng/ul	98
21) Benzo(b)fluoranthene	22.74	252	218310	6.579	ng/ul	93
22) Benzo(k)fluoranthene	22.74	252	217726	6.769	ng/ul#	93
23) Benzo(a)pyrene	23.25	252	223576	7.156	ng/ul#	94
24) Indeno(1,2,3-cd)pyrene	25.30	276	604212	17.940	ng/ul	93
25) Dibenzo(a,h)anthracene	25.55	278	160751	5.976	ng/ul	96
26) Benzo(g,h,i)perylene	25.94	276	626278	22.169	ng/ul	98

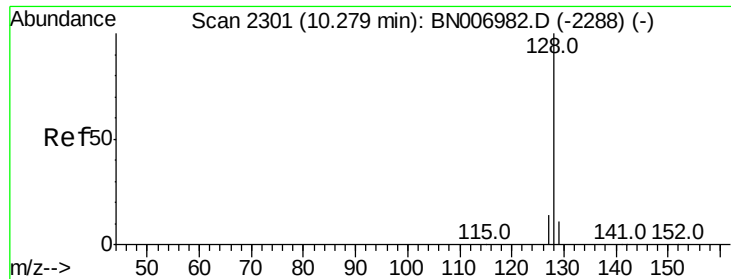
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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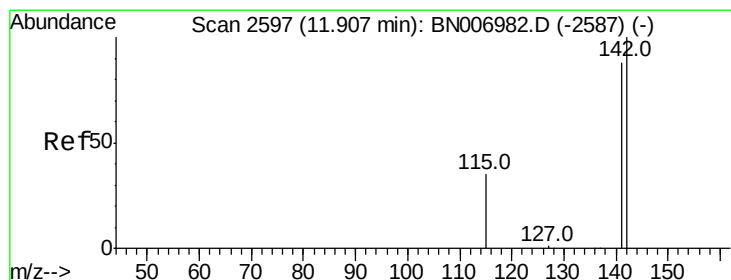
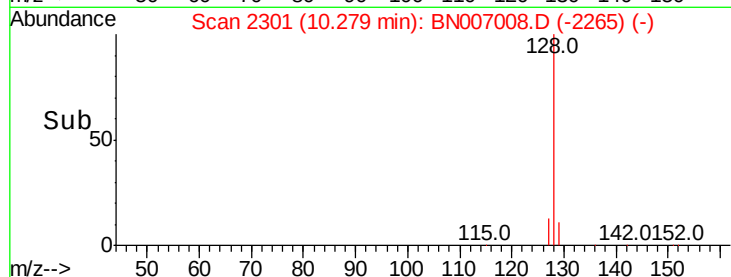
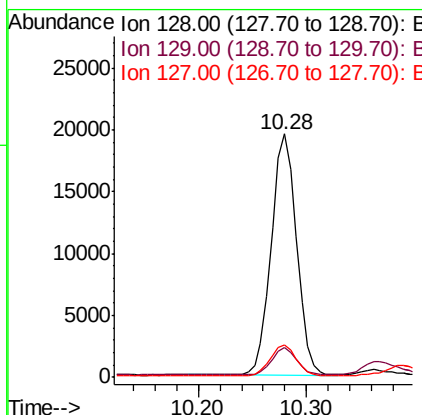
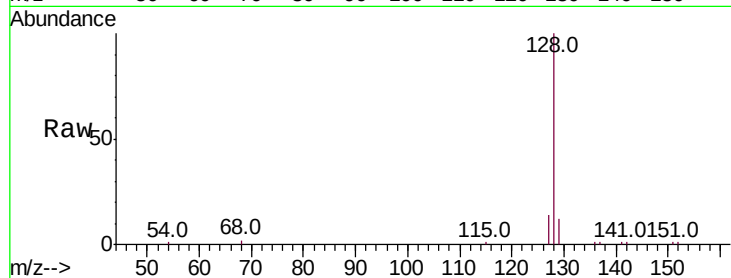




#3
Naphthalene
Concen: 0.309 ng/ul
RT: 10.28 min Scan# 2301
Delta R.T. -0.00 min
Lab File: BN007008.D
Acq: 08 Aug 2019 04:29

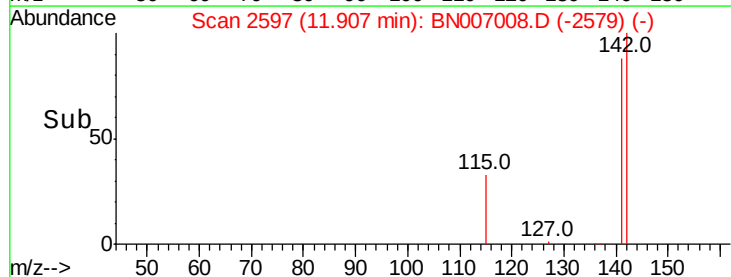
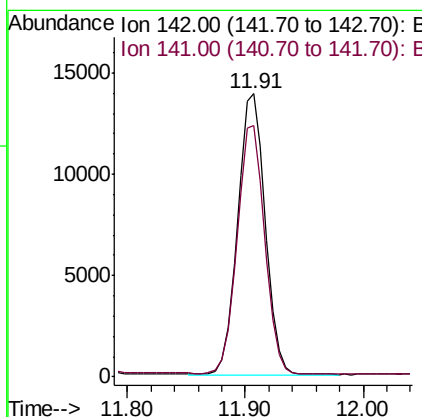
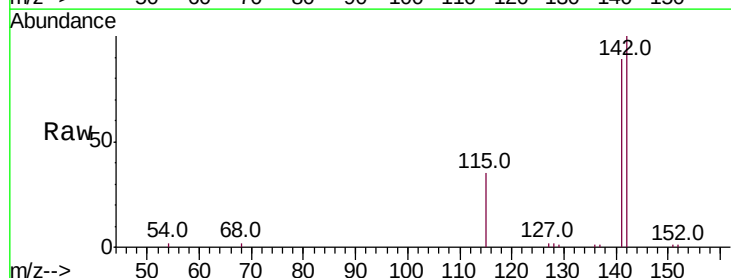
Instrument :
BNA_N
ClientSampleId :

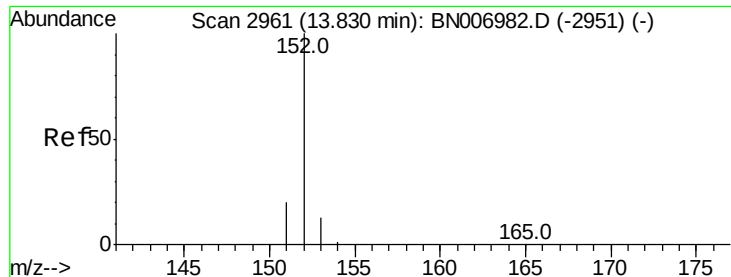
Tot Ion:128 Resp: 31768
Ion Ratio Lower Upper
128 100
129 12.0 10.0 15.0
127 13.5 11.7 17.5



#5
2-Methylnaphthalene
Concen: 0.293 ng/ul
RT: 11.91 min Scan# 2597
Delta R.T. -0.00 min
Lab File: BN007008.D
Acq: 08 Aug 2019 04:29

Tgt Ion:142 Resp: 22663
Ion Ratio Lower Upper
142 100
141 88.5 71.0 106.6





#7

Acenaphthylene

Concen: 0.564 ng/ul

RT: 13.83 min Scan# 2961

Delta R.T. -0.00 min

Lab File: BN007008.D

Acq: 08 Aug 2019 04:29

Instrument :

BNA_N

ClientSampleId :

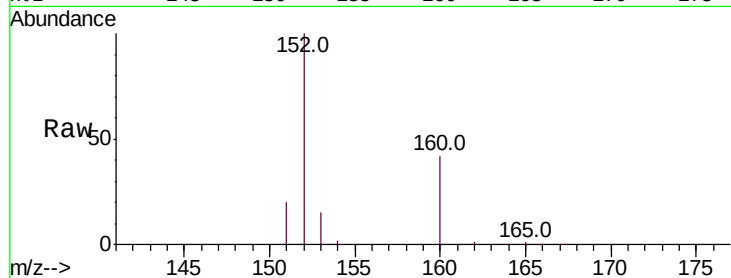
Tot Ion:152 Resp: 66117

Ion Ratio Lower Upper

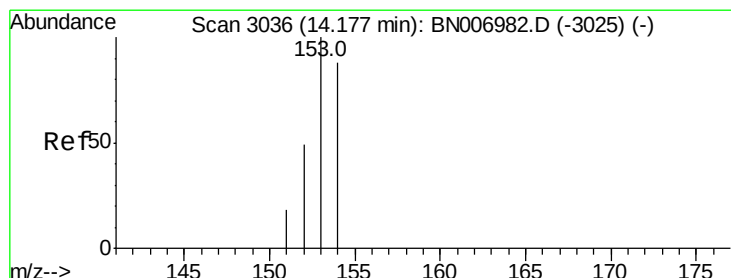
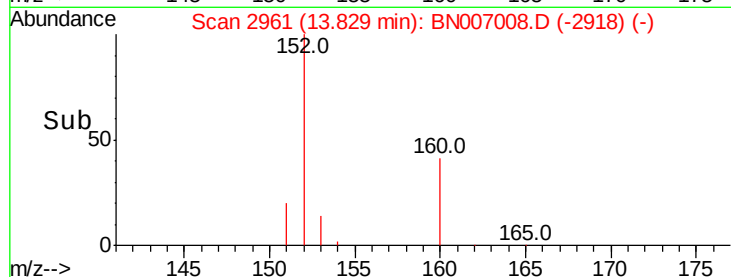
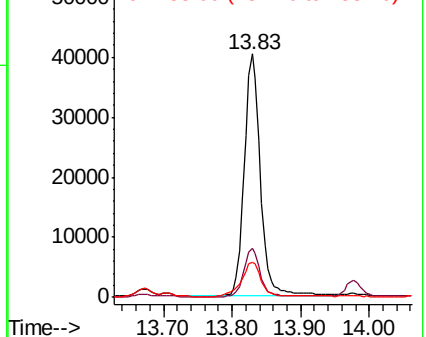
152 100

151 19.9 16.3 24.5

153 14.5 11.0 16.4



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: 0.619 ng/ul

RT: 14.18 min Scan# 3036

Delta R.T. -0.00 min

Lab File: BN007008.D

Acq: 08 Aug 2019 04:29

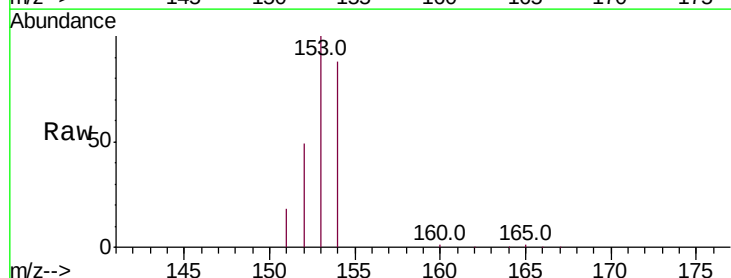
Tgt Ion:153 Resp: 49599

Ion Ratio Lower Upper

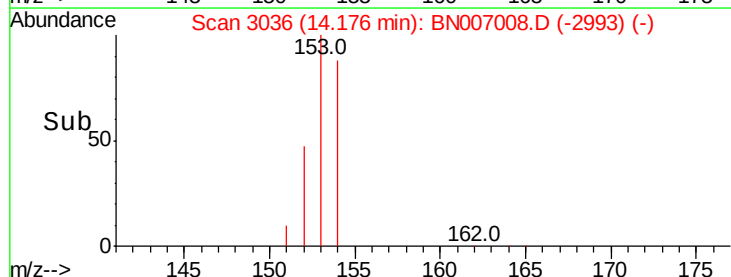
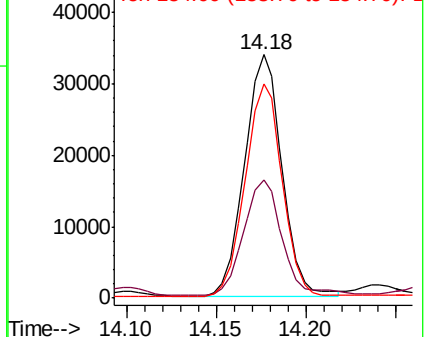
153 100

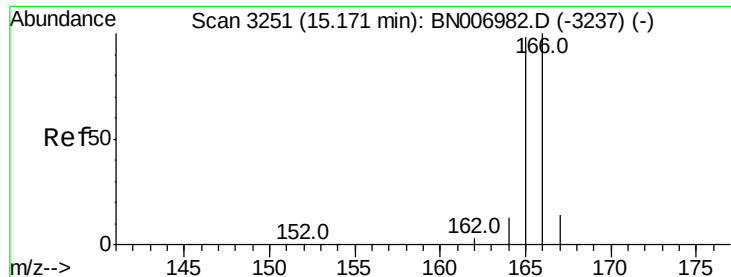
152 48.8 39.4 59.2

154 87.9 70.1 105.1



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: 0.547 ng/ul

RT: 15.17 min Scan# 3251

Delta R.T. -0.00 min

Lab File: BN007008.D

Acq: 08 Aug 2019 04:29

Instrument :

BNA_N

ClientSampleId :

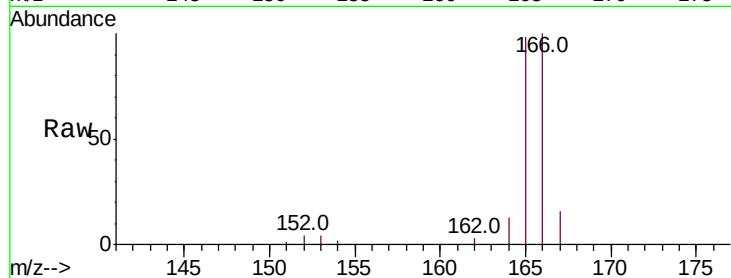
Tot Ion:166 Resp: 53128

Ion Ratio Lower Upper

166 100

165 98.4 78.8 118.2

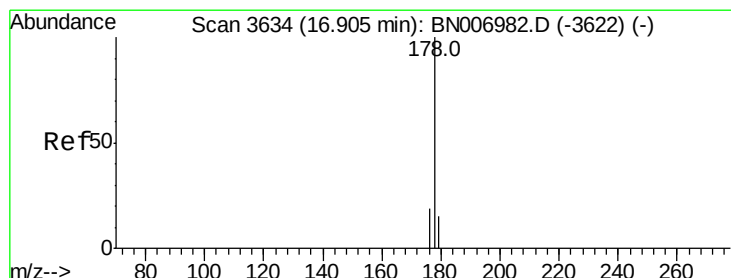
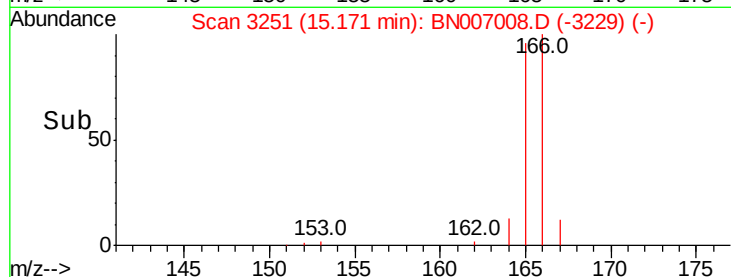
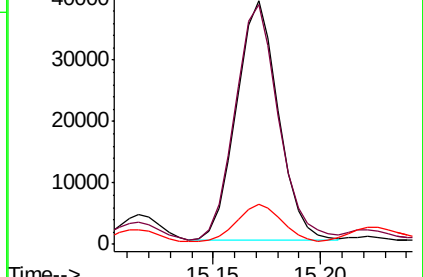
167 16.4 11.3 16.9



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: 0.043 ng/ul

RT: 16.99 min Scan# 3655

Delta R.T. 0.09 min

Lab File: BN007008.D

Acq: 08 Aug 2019 04:29

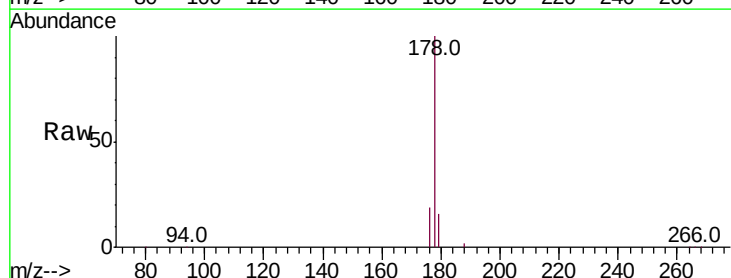
Tgt Ion:178 Resp: 242715

Ion Ratio Lower Upper

178 100

179 15.8 12.5 18.7

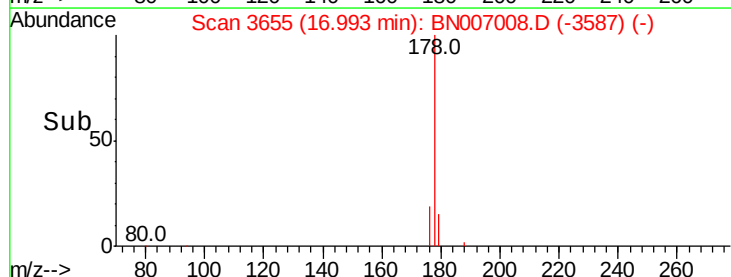
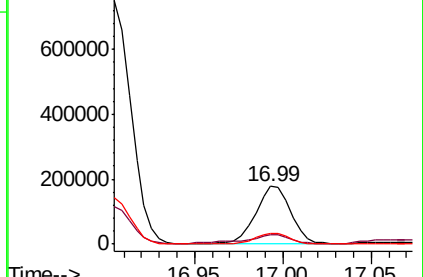
176 19.1 15.6 23.4

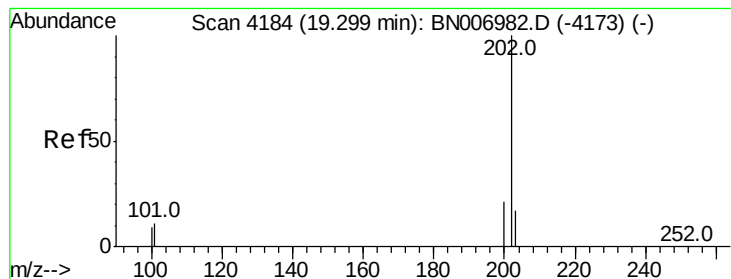


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Pvrene

Concen: 850.663 ng/ul

RT: 19.30 min Scan# 4184

Delta R.T. -0.00 min

Lab File: BN007008.D

Acq: 08 Aug 2019 04:29

Instrument :

BNA_N

ClientSampleId :

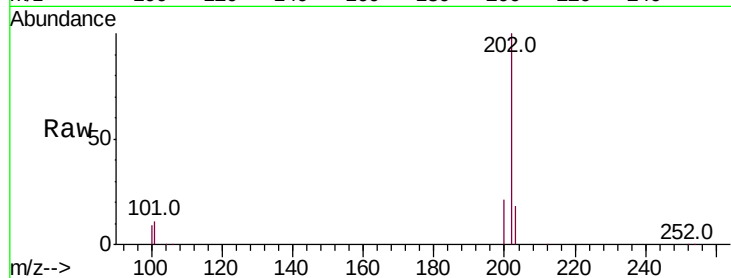
Tot Ion:202 Resp: 2145718

Ion Ratio Lower Upper

202 100

101 11.4 9.3 13.9

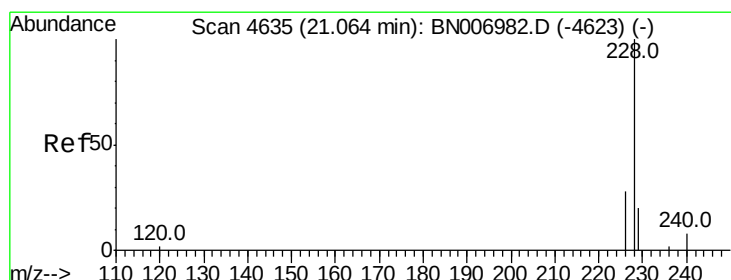
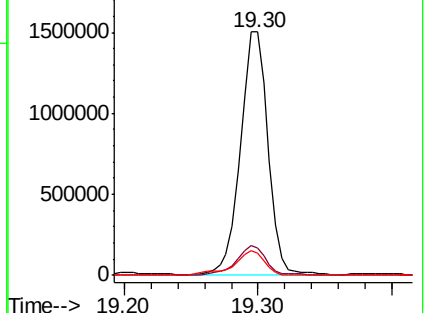
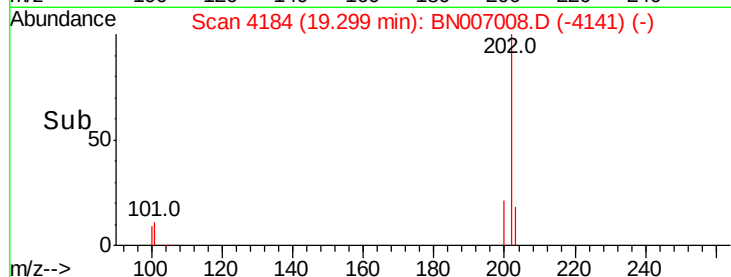
100 8.9 7.3 10.9



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



#18

Benzo(a)anthracene

Concen: 487.833 ng/ul

RT: 21.11 min Scan# 4651

Delta R.T. 0.05 min

Lab File: BN007008.D

Acq: 08 Aug 2019 04:29

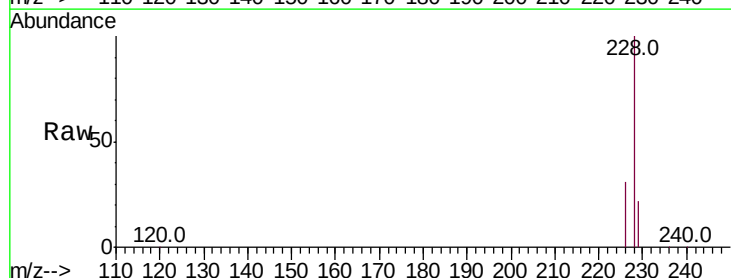
Tgt Ion:228 Resp: 1210774

Ion Ratio Lower Upper

228 100

229 21.7 15.9 23.9

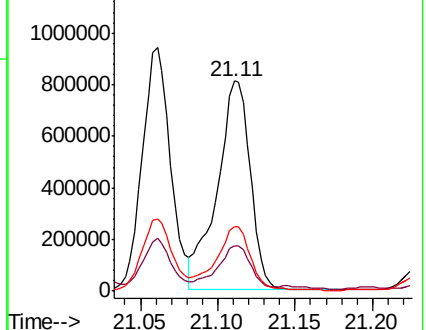
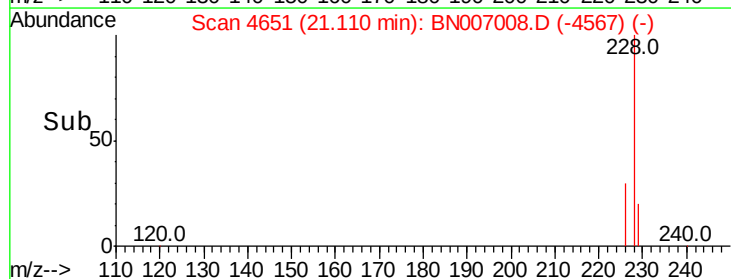
226 30.9 22.2 33.4

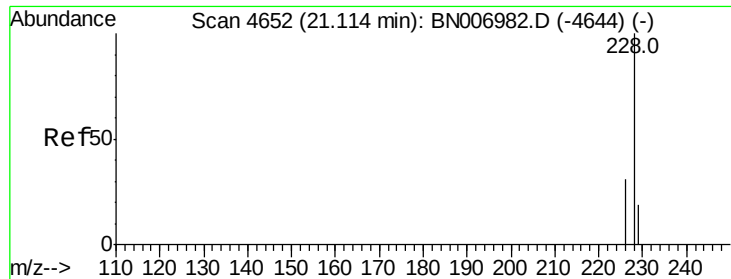


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 520.940 ng/ul

RT: 21.11 min Scan# 4651

Delta R.T. -0.00 min

Lab File: BN007008.D

Acq: 08 Aug 2019 04:29

Instrument :

BNA_N

ClientSampleId :

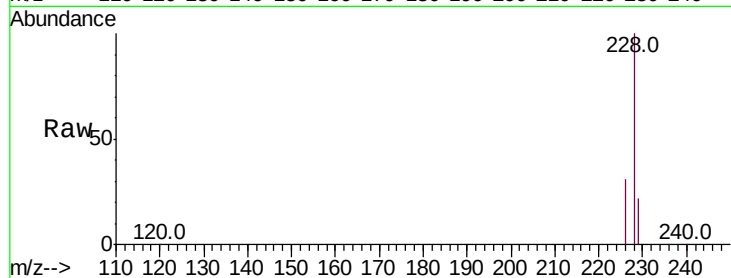
Tot Ion:228 Resp: 1210774

Ion Ratio Lower Upper

228 100

226 30.9 24.7 37.1

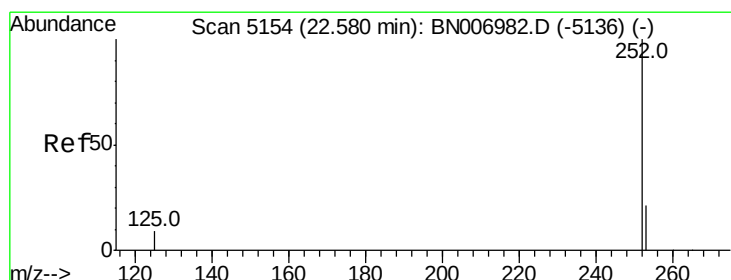
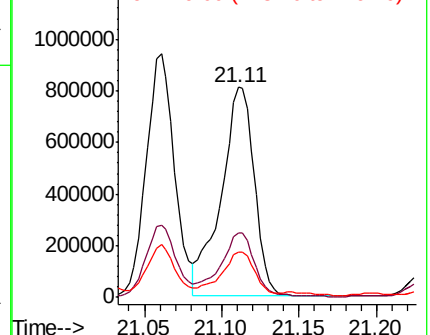
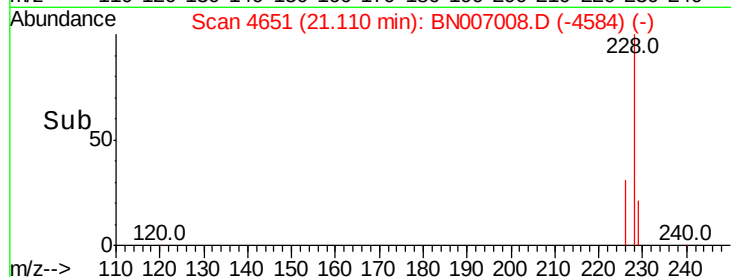
229 21.7 15.5 23.3



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: 6.579 ng/ul

RT: 22.74 min Scan# 5208

Delta R.T. 0.16 min

Lab File: BN007008.D

Acq: 08 Aug 2019 04:29

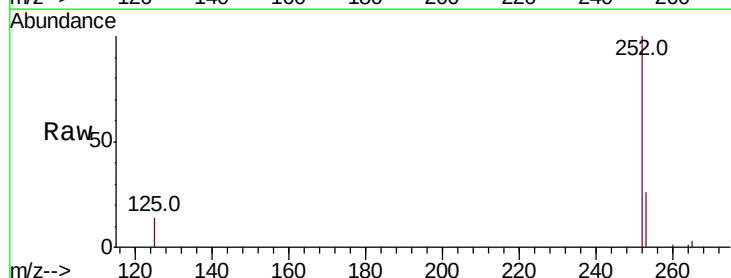
Tgt Ion:252 Resp: 218310

Ion Ratio Lower Upper

252 100

253 26.0 0.0 45.2

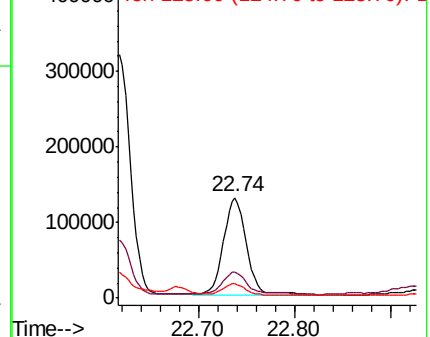
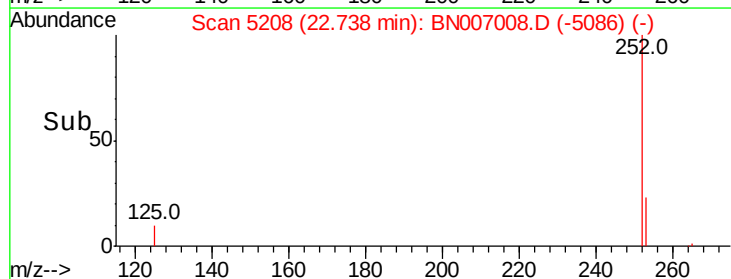
125 14.2 0.0 22.2

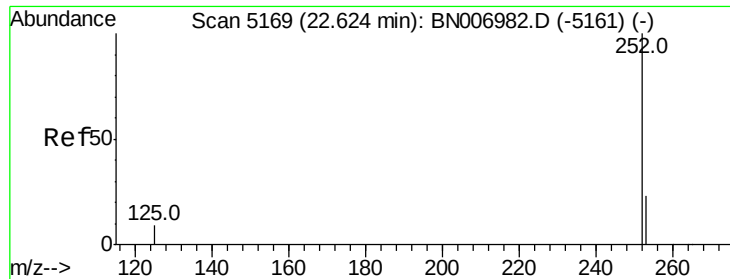


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 6.769 ng/ul

RT: 22.74 min Scan# 5208

Delta R.T. 0.11 min

Lab File: BN007008.D

Acq: 08 Aug 2019 04:29

Instrument :

BNA_N

ClientSampleId :

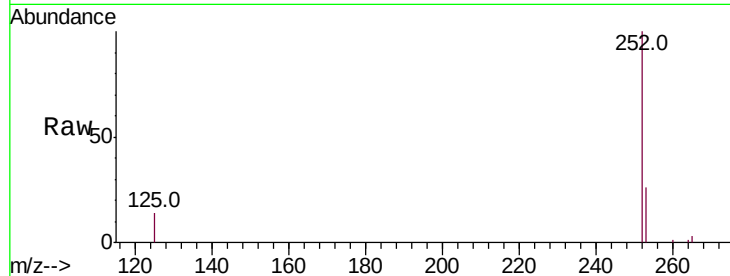
Tot Ion:252 Resp: 217726

Ion Ratio Lower Upper

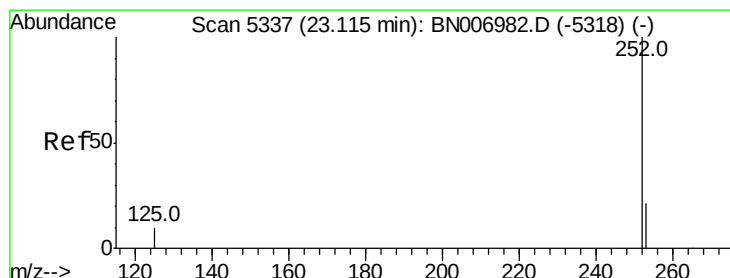
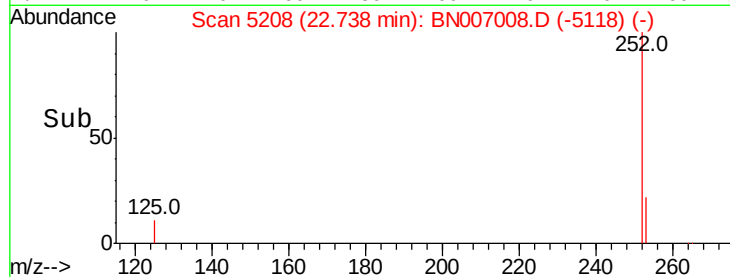
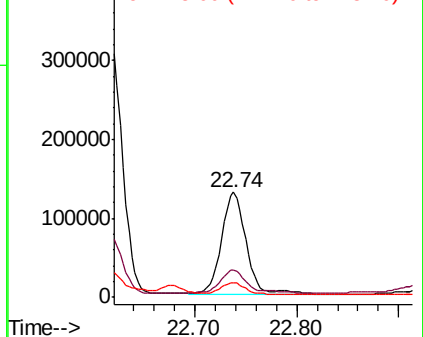
252 100

253 26.0 18.6 28.0

125 14.2 8.7 13.1#



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: 7.156 ng/ul

RT: 23.25 min Scan# 5383

Delta R.T. 0.13 min

Lab File: BN007008.D

Acq: 08 Aug 2019 04:29

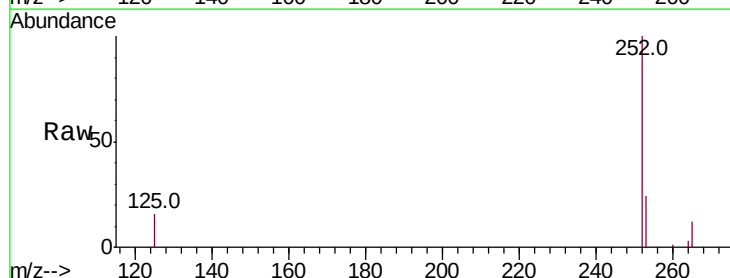
Tgt Ion:252 Resp: 223576

Ion Ratio Lower Upper

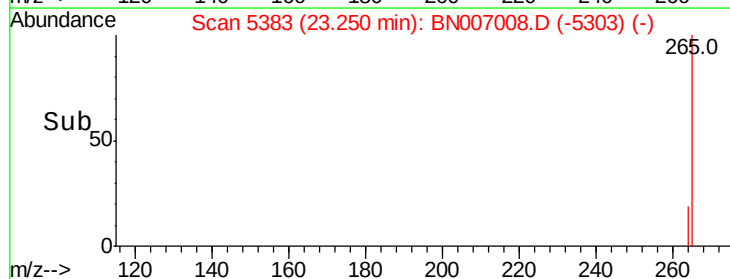
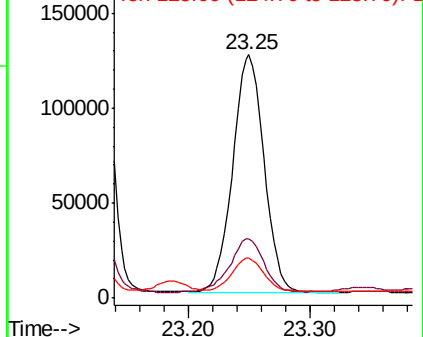
252 100

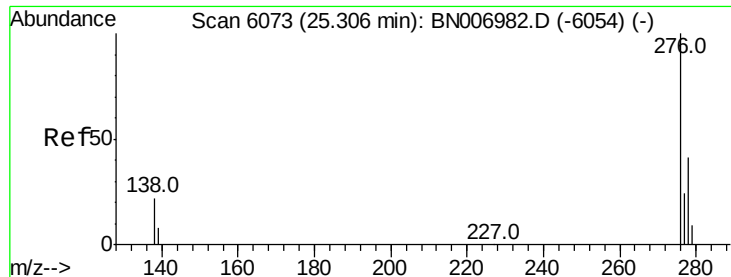
253 24.5 18.0 27.0

125 16.4 10.0 15.0#



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



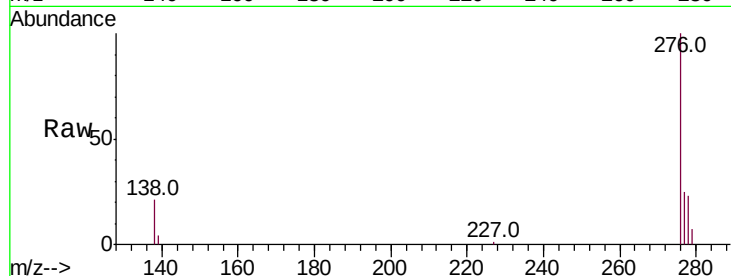


#24

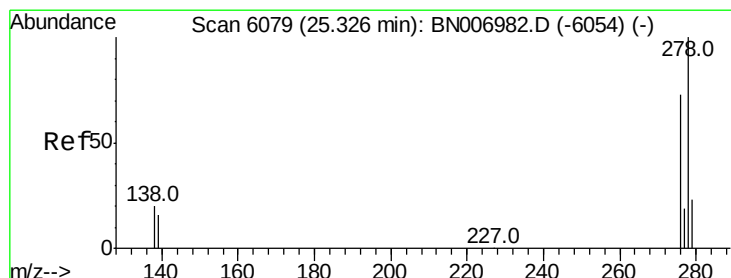
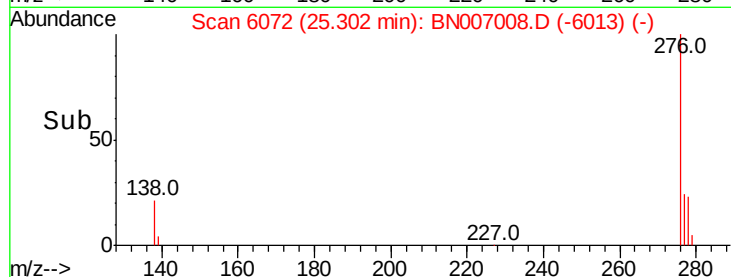
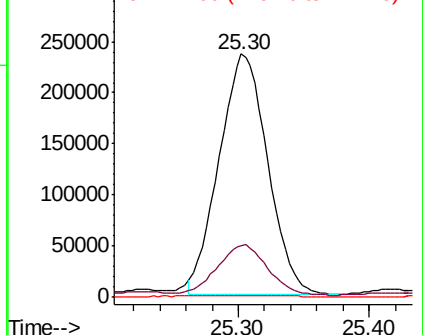
Indeno(1,2,3-cd)pyrene
Concen: 17.940 ng/ul
RT: 25.30 min Scan# 6072
Delta R.T. -0.00 min
Lab File: BN007008.D
Acq: 08 Aug 2019 04:29

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 604212
Ion Ratio Lower Upper
276 100
138 21.4 19.9 29.9
227 0.3 0.2 0.4



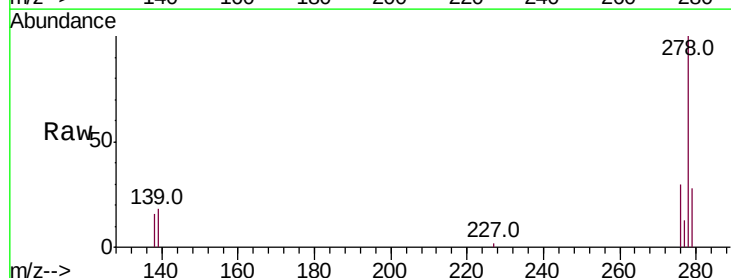
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



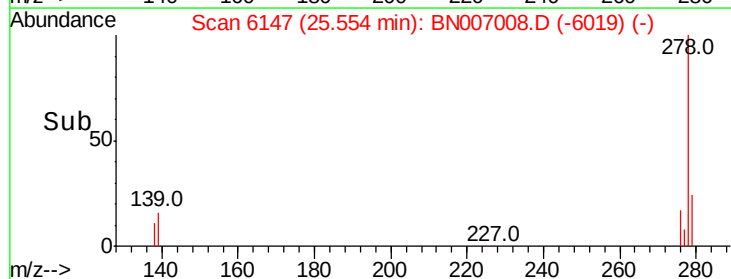
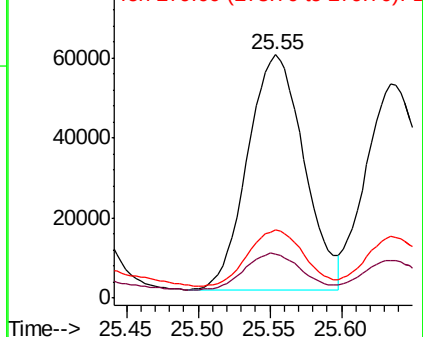
#25

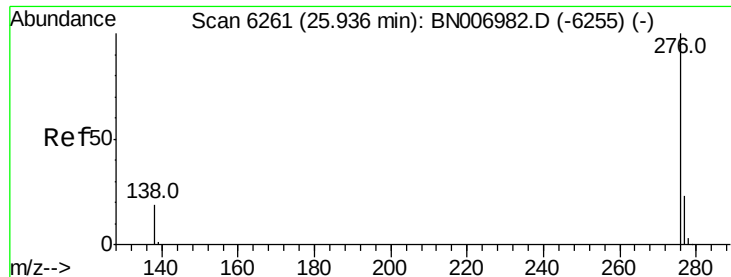
Dibenzo(a,h)anthracene
Concen: 5.976 ng/ul
RT: 25.55 min Scan# 6147
Delta R.T. 0.23 min
Lab File: BN007008.D
Acq: 08 Aug 2019 04:29

Tgt Ion:278 Resp: 160751
Ion Ratio Lower Upper
278 100
139 18.2 14.3 21.5
279 28.0 19.6 29.4



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: 22.169 ng/ul

RT: 25.94 min Scan# 6262

Delta R.T. 0.00 min

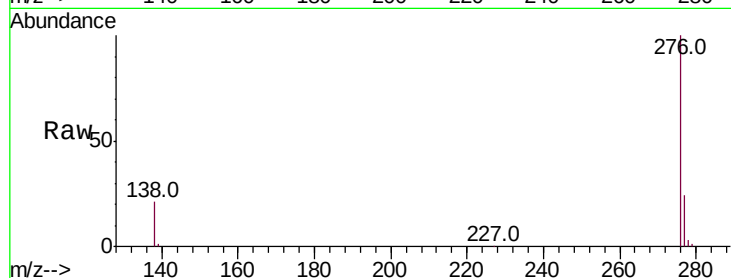
Lab File: BN007008.D

Acq: 08 Aug 2019 04:29

Instrument :

BNA_N

ClientSampleId :



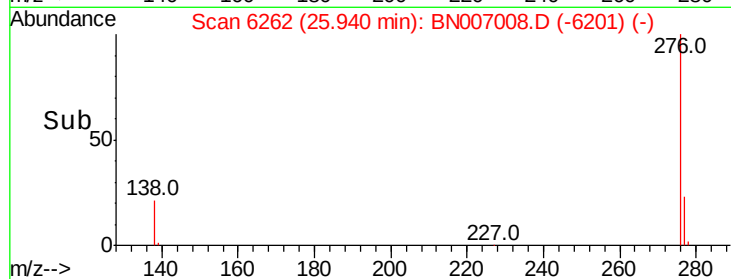
Tot Ion:276 Resp: 626278

Ion Ratio Lower Upper

276 100

138 21.5 18.7 28.1

277 24.2 19.3 28.9



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

