

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101619\
 Data File : BN008198.D
 Acq On : 16 Oct 2019 14:53
 Operator : JU
 Sample : K5175-21
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 16 18:13:06 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Oct 16 17:43:36 2019

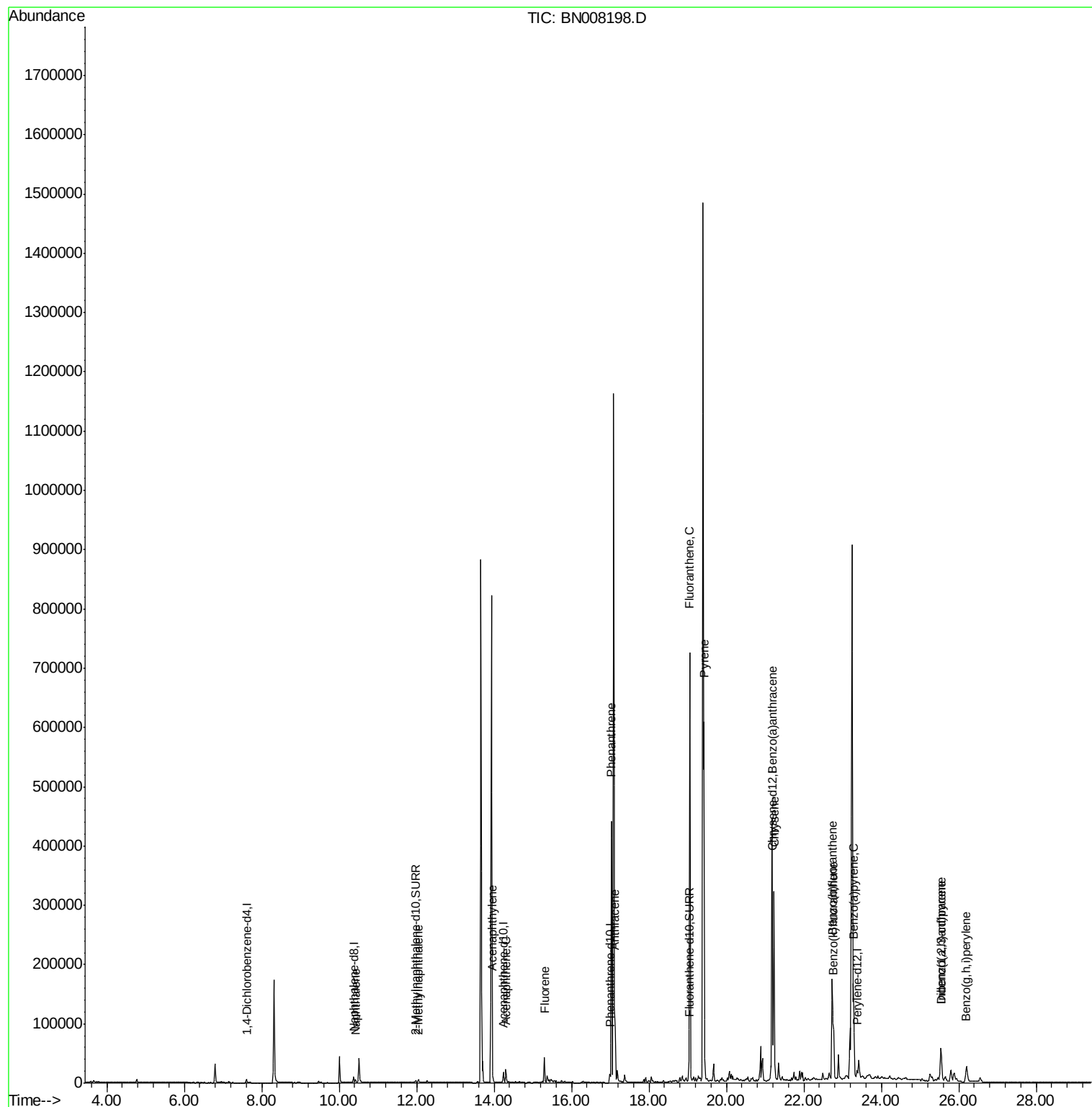
Response via : Initial Calibration

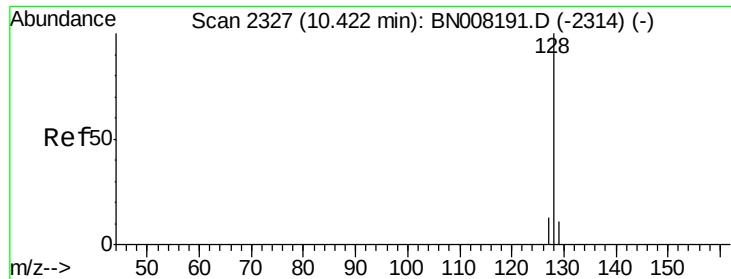
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	2949	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	14539	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	9240	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.99	188	20561m	0.40	ng/ul	0.00
16) Chrysene-d12	21.19	240	18610	0.40	ng/ul	0.00
20) Perylene-d12	23.37	264	15723	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	6706	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.02	212	19642	0.28	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	6792	0.164	ng/ul	99
5) 2-Methylnaphthalene	12.04	142	4599	0.162	ng/ul	99
7) Acenaphthylene	13.96	152	3070	0.070	ng/ul#	92
8) Acenaphthene	14.31	153	13404	0.392	ng/ul	99
9) Fluorene	15.30	166	25842	0.665	ng/ul	98
12) Phenanthrene	17.03	178	460314	7.647	ng/ul	99
13) Anthracene	17.12	178	139161	2.627	ng/ul	98
15) Fluoranthene	19.06	202	600207	7.549	ng/ul	99
17) Pyrene	19.42	202	484901	6.544	ng/ul	99
18) Benzo(a)anthracene	21.18	228	367574	5.433	ng/ul	99
19) Chrysene	21.23	228	292150	3.518	ng/ul	97
21) Benzo(b)fluoranthene	22.73	252	281919m	5.508	ng/ul	
22) Benzo(k)fluoranthene	22.77	252	108445m	1.870	ng/ul	
23) Benzo(a)pyrene	23.28	252	190416	3.535	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.54	276	79866	1.259	ng/ul	100
25) Dibenzo(a,h)anthracene	25.54	278	27428	0.547	ng/ul	95
26) Benzo(a,h,i)perylene	26.20	276	55219	0.949	ng/ul	99

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

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#3

Naphthalene

Concen: 0.164 ng/ul

RT: 10.42 min Scan# 2327

Delta R.T. 0.00 min

Lab File: BN008198.D

Acq: 16 Oct 2019 14:53

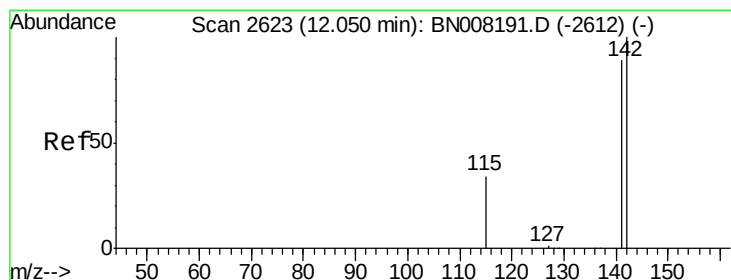
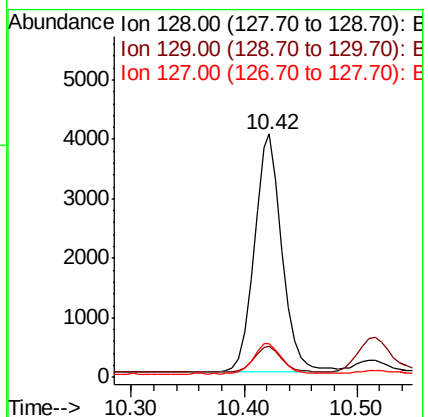
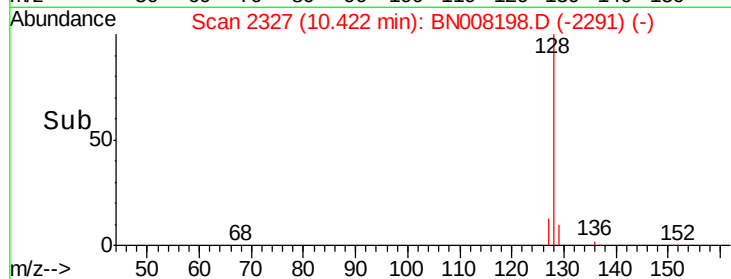
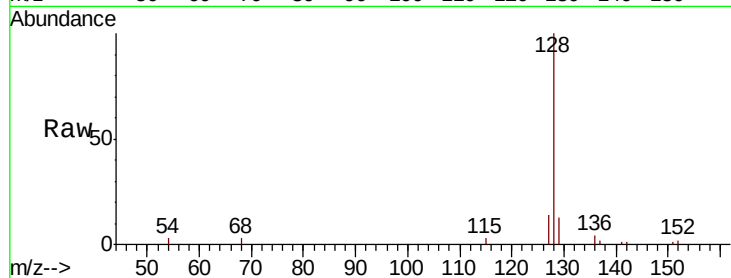
Tot Ion:128 Resp: 6792

Ion Ratio Lower Upper

128 100

129 12.8 9.8 14.8

127 14.0 11.1 16.7



#5

2-Methylnaphthalene

Concen: 0.162 ng/ul

RT: 12.04 min Scan# 2622

Delta R.T. -0.01 min

Lab File: BN008198.D

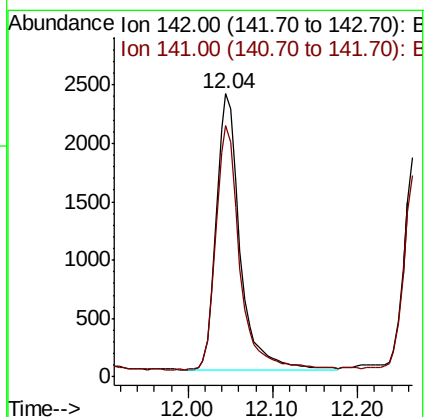
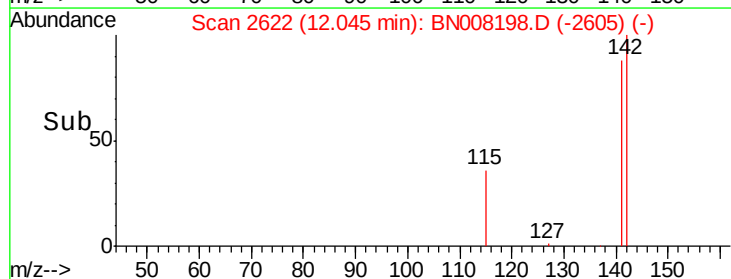
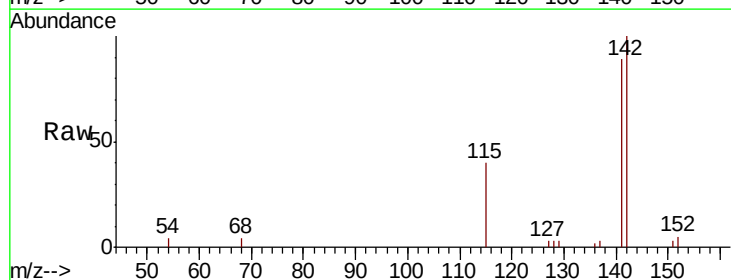
Acq: 16 Oct 2019 14:53

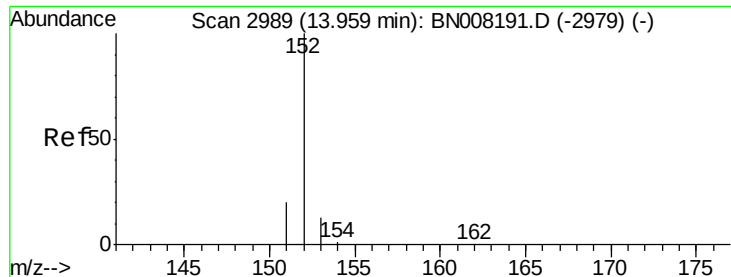
Tgt Ion:142 Resp: 4599

Ion Ratio Lower Upper

142 100

141 88.6 71.4 107.2





#7

Acenaphthylene

Concen: 0.070 ng/ul

RT: 13.96 min Scan# 2989

Delta R.T. 0.00 min

Lab File: BN008198.D

Acq: 16 Oct 2019 14:53

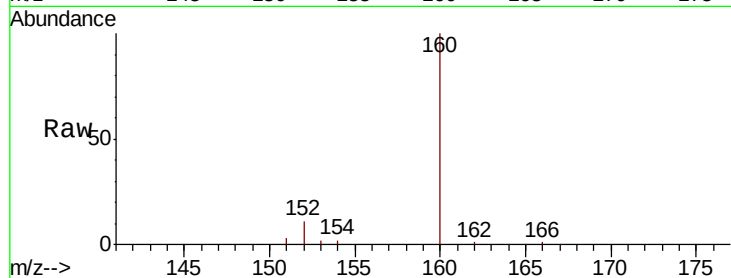
Tot Ion:152 Resp: 3070

Ion Ratio Lower Upper

152 100

151 22.3 16.2 24.4

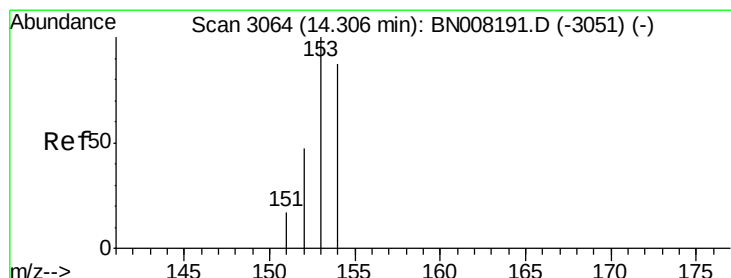
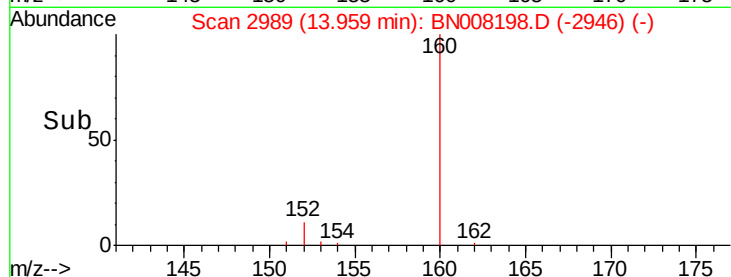
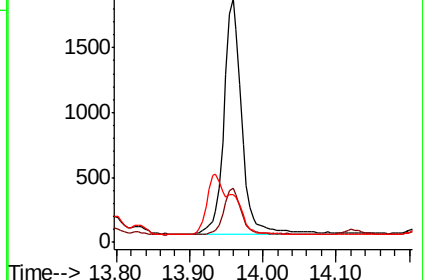
153 19.5 11.0 16.4#



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: 0.392 ng/ul

RT: 14.31 min Scan# 3064

Delta R.T. 0.00 min

Lab File: BN008198.D

Acq: 16 Oct 2019 14:53

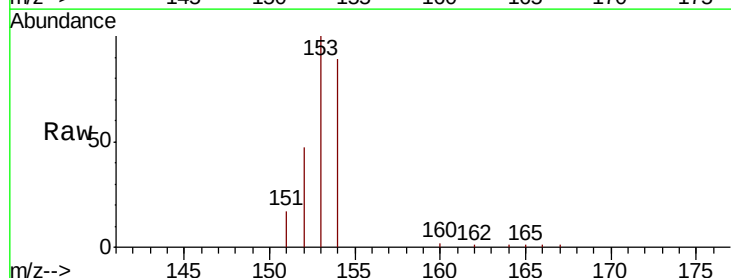
Tgt Ion:153 Resp: 13404

Ion Ratio Lower Upper

153 100

152 46.8 38.2 57.2

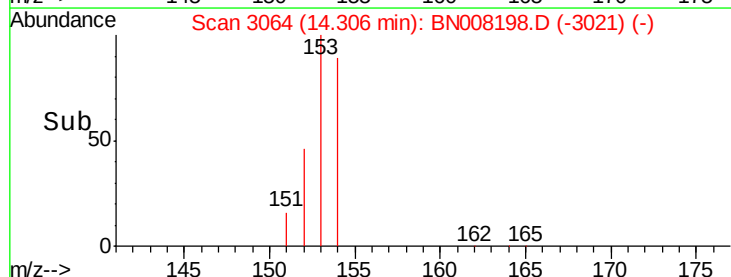
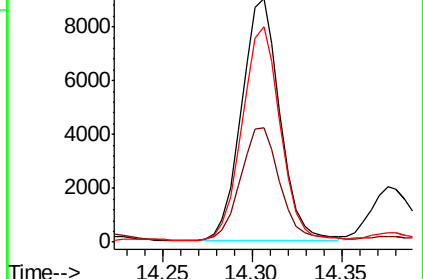
154 88.7 71.8 107.8

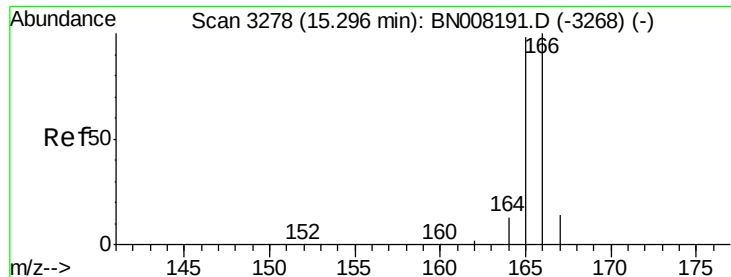


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

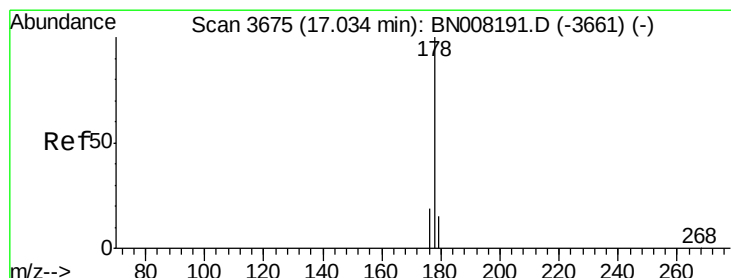
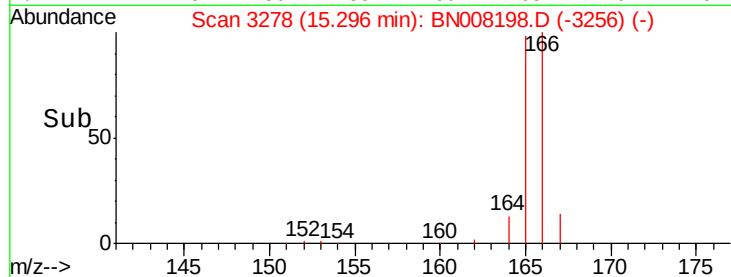
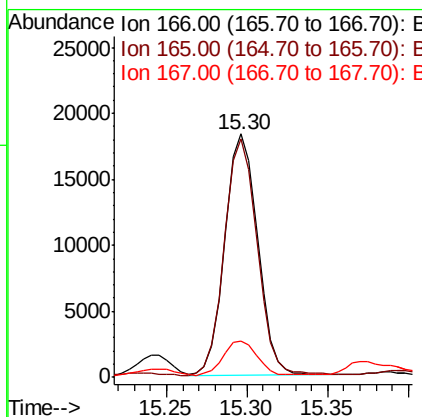
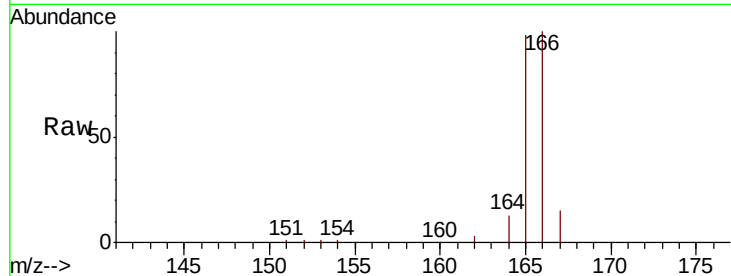
Ion 154.00 (153.70 to 154.70): E





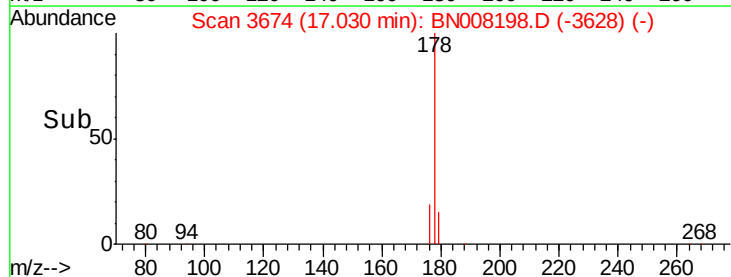
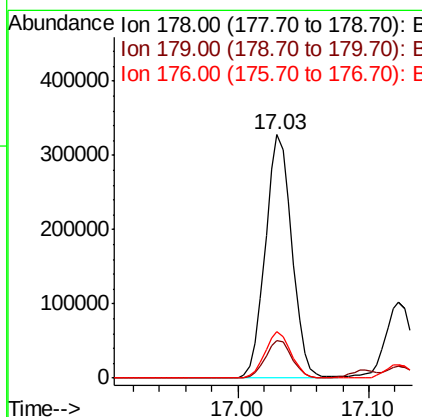
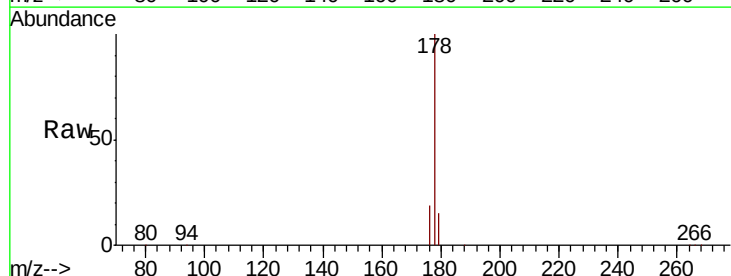
#9
Fluorene
 Concen: 0.665 ng/ul
 RT: 15.30 min Scan# 3278
 Delta R.T. 0.00 min
 Lab File: BN008198.D
 Acq: 16 Oct 2019 14:53

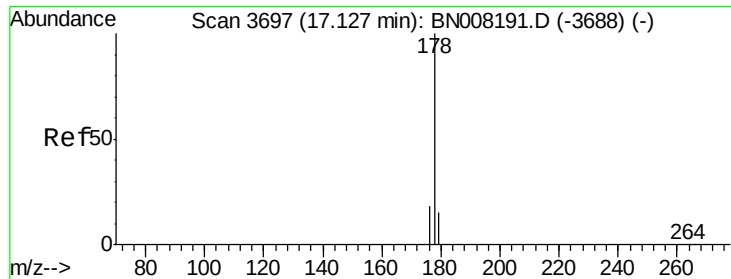
Tot Ion:166 Resp: 25842
 Ion Ratio Lower Upper
 166 100
 165 97.8 76.6 115.0
 167 15.1 11.7 17.5



#12
Phenanthrene
 Concen: 7.647 ng/ul
 RT: 17.03 min Scan# 3674
 Delta R.T. -0.00 min
 Lab File: BN008198.D
 Acq: 16 Oct 2019 14:53

Tgt Ion:178 Resp: 460314
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.8 19.2
 176 18.9 15.4 23.2





#13

Anthracene

Concen: 2.627 ng/ul

RT: 17.12 min Scan# 3696

Delta R.T. -0.00 min

Lab File: BN008198.D

Acq: 16 Oct 2019 14:53

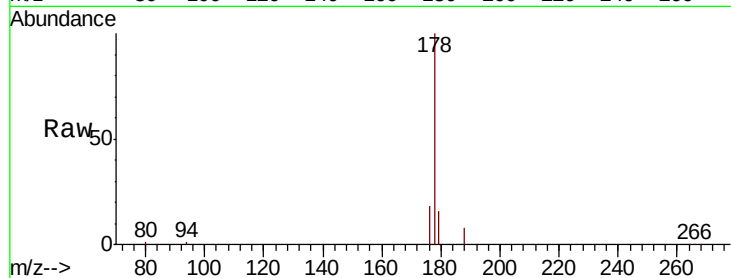
Tot Ion:178 Resp: 139161

Ion Ratio Lower Upper

178 100

179 15.7 13.0 19.6

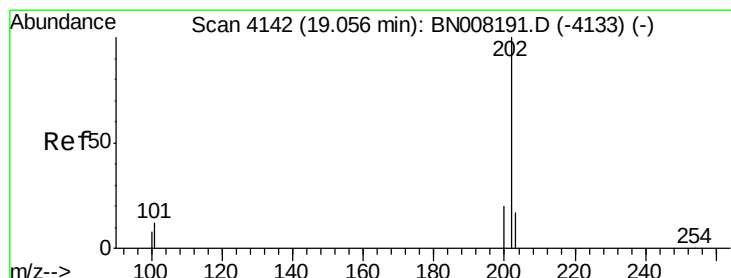
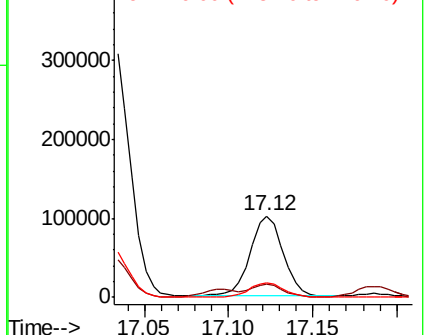
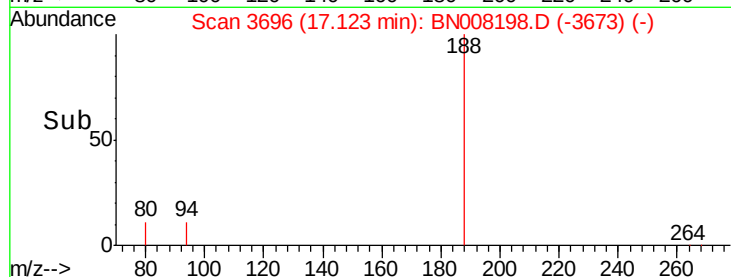
176 18.0 15.0 22.6



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: 7.549 ng/ul

RT: 19.06 min Scan# 4142

Delta R.T. 0.00 min

Lab File: BN008198.D

Acq: 16 Oct 2019 14:53

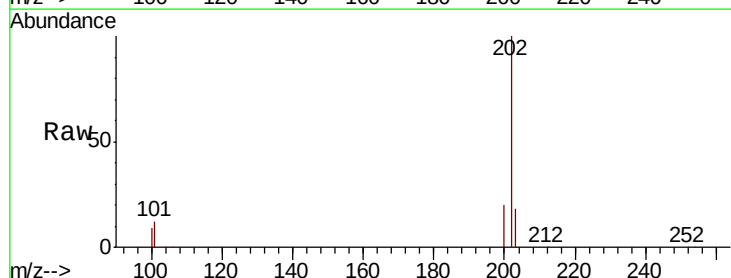
Tgt Ion:202 Resp: 600207

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.2

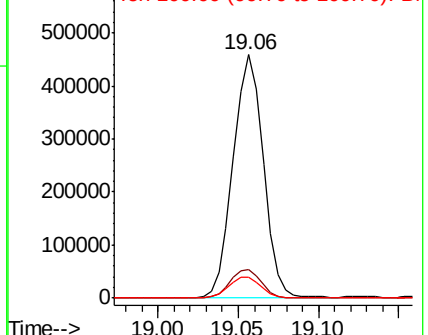
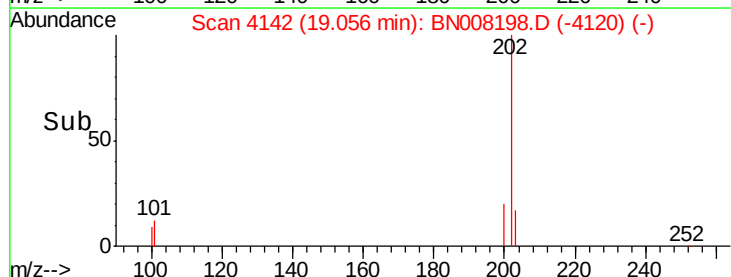
100 8.8 0.0 28.5

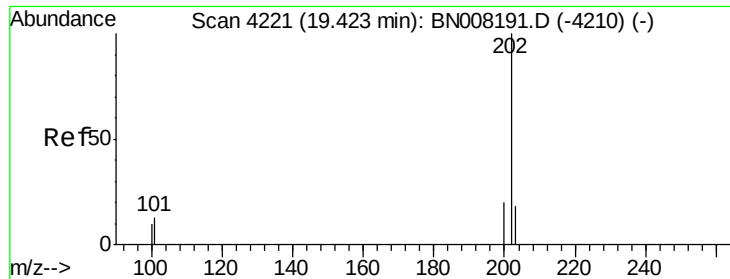


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

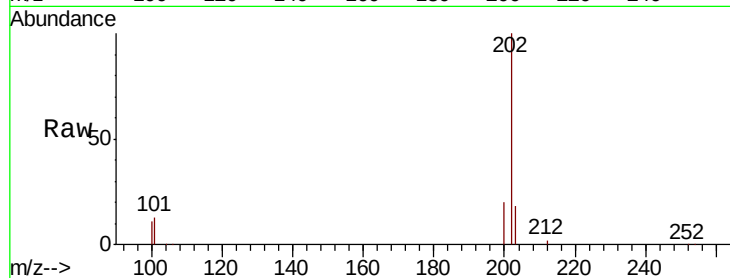
Ion 100.00 (99.70 to 100.70): E



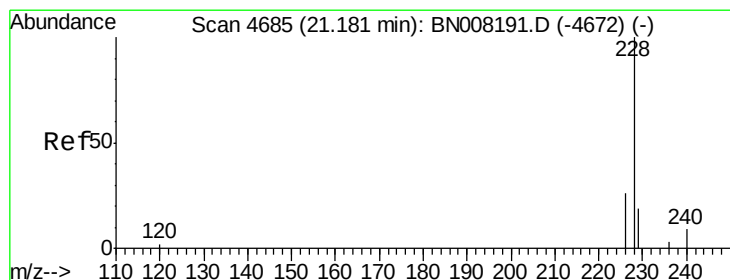
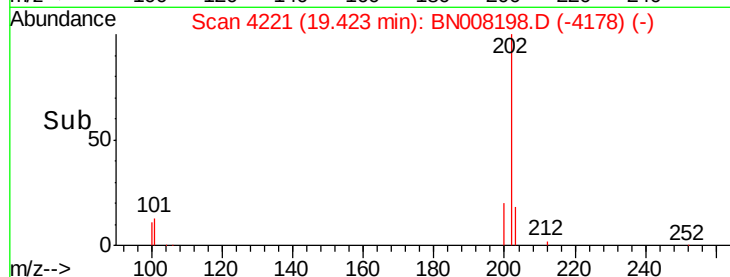
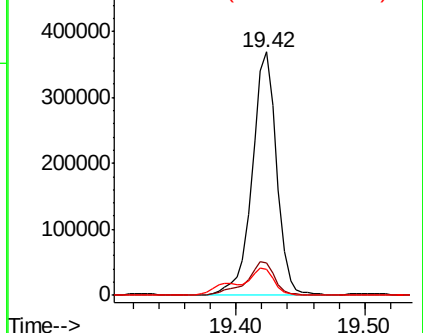


#17
Pvrene
Concen: 6.544 ng/ul
RT: 19.42 min Scan# 4221
Delta R.T. 0.00 min
Lab File: BN008198.D
Acq: 16 Oct 2019 14:53

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.2	10.9	16.3
100	10.7	8.7	13.1

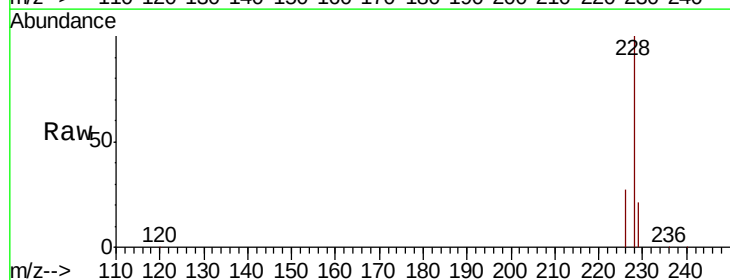


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

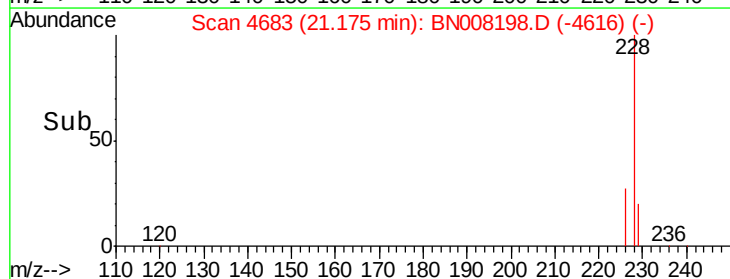
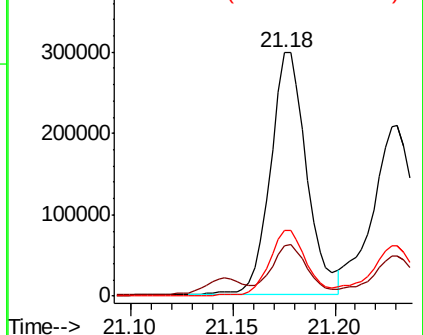


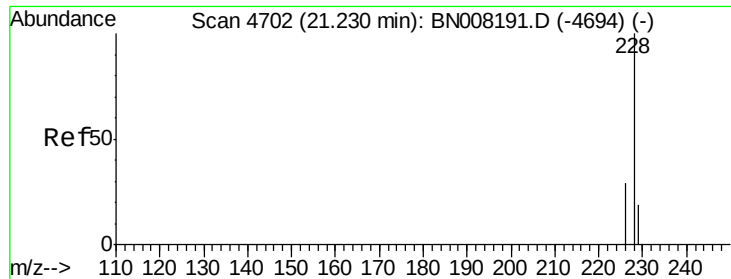
#18
Benzo(a)anthracene
Concen: 5.433 ng/ul
RT: 21.18 min Scan# 4683
Delta R.T. -0.01 min
Lab File: BN008198.D
Acq: 16 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	16.2	24.2
226	27.2	21.4	32.0



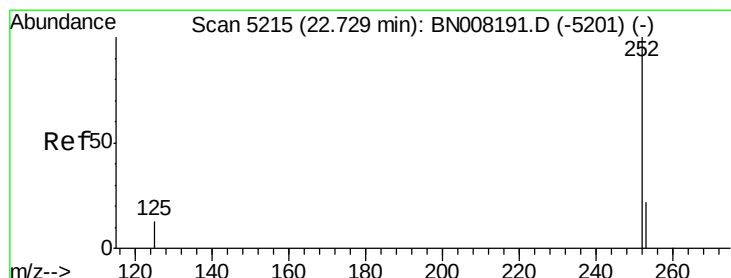
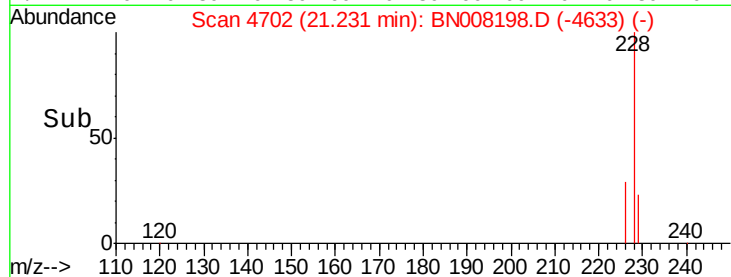
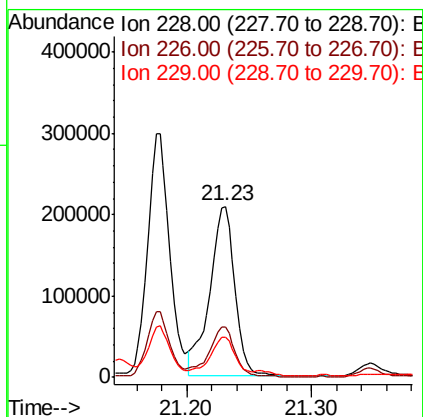
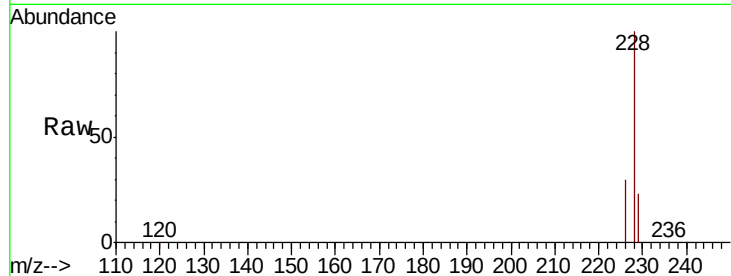
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





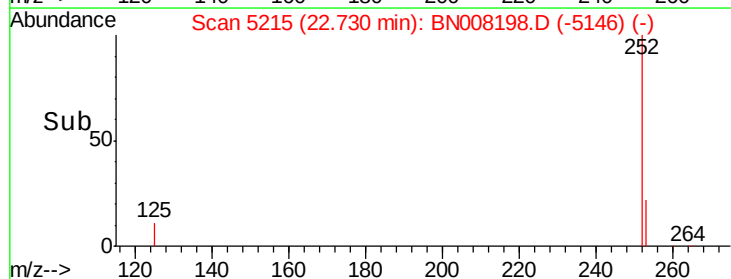
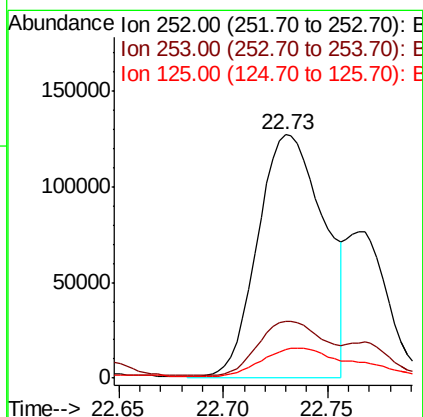
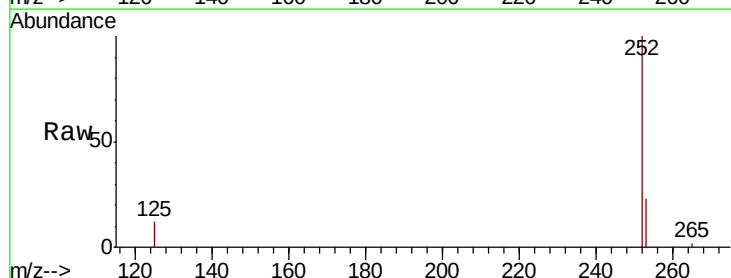
#19
Chrysene
Concen: 3.518 ng/ul
RT: 21.23 min Scan# 4702
Delta R.T. 0.00 min
Lab File: BN008198.D
Acq: 16 Oct 2019 14:53

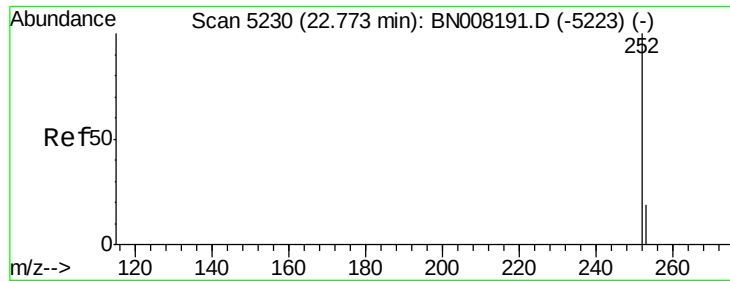
Tot Ion:228 Resp: 292150
Ion Ratio Lower Upper
228 100
226 29.6 24.1 36.1
229 23.4 16.2 24.2



#21
Benzo(b)fluoranthene
Concen: 5.508 ng/ul m
RT: 22.73 min Scan# 5215
Delta R.T. 0.00 min
Lab File: BN008198.D
Acq: 16 Oct 2019 14:53

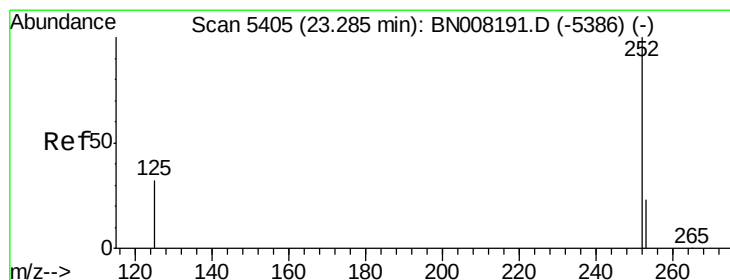
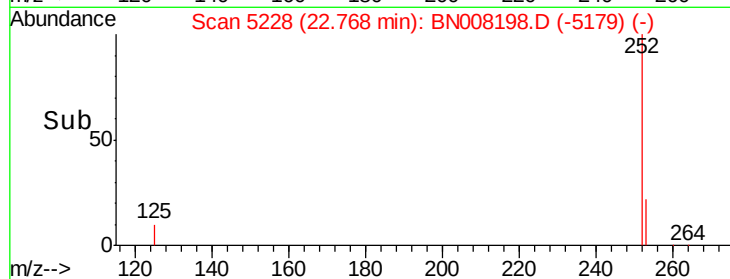
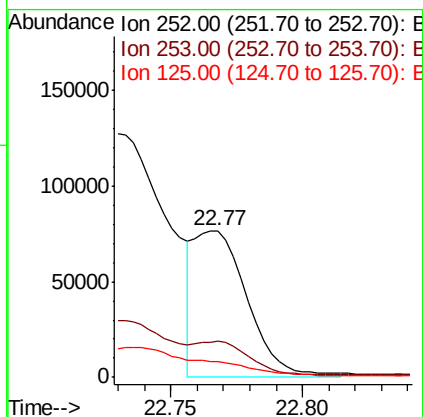
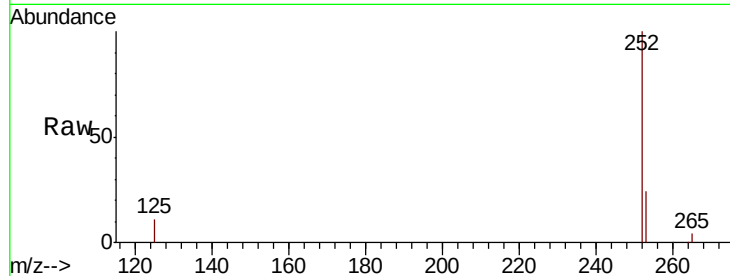
Tgt Ion:252 Resp: 281919
Ion Ratio Lower Upper
252 100
253 23.3 0.0 53.4
125 11.6 0.0 32.4





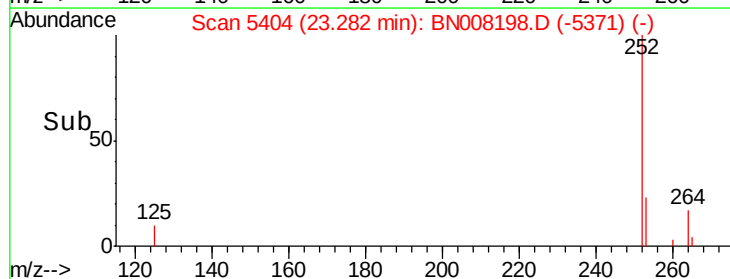
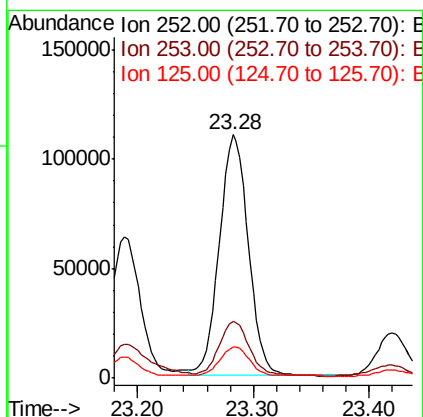
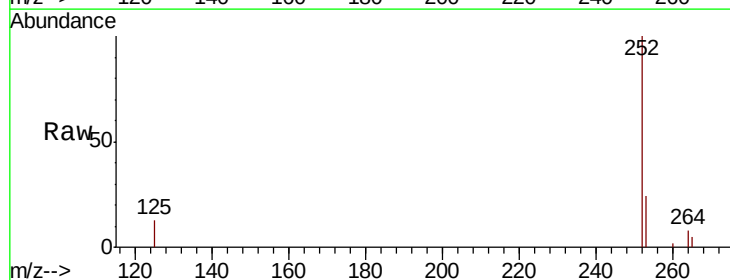
#22
Benzo(k)fluoranthene
Concen: 1.870 ng/ul m
RT: 22.77 min Scan# 5228
Delta R.T. -0.01 min
Lab File: BN008198.D
Acq: 16 Oct 2019 14:53

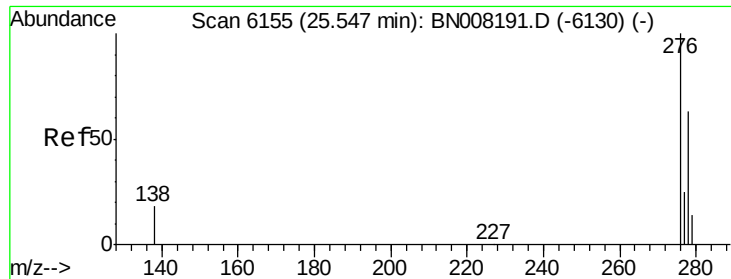
Tot Ion:252 Resp: 108445
Ion Ratio Lower Upper
252 100
253 24.4 21.3 31.9
125 10.8 12.3 18.5#



#23
Benzo(a)pyrene
Concen: 3.535 ng/ul
RT: 23.28 min Scan# 5404
Delta R.T. -0.00 min
Lab File: BN008198.D
Acq: 16 Oct 2019 14:53

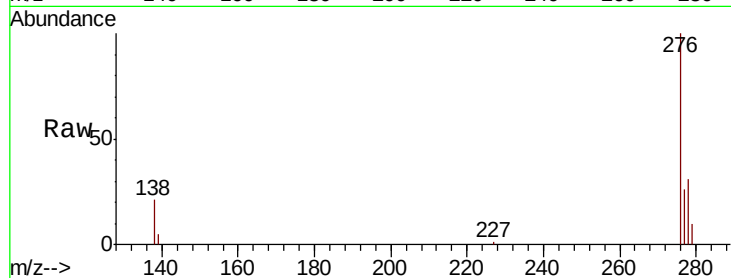
Tgt Ion:252 Resp: 190416
Ion Ratio Lower Upper
252 100
253 23.6 22.8 34.2
125 12.8 18.4 27.6#





#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.259 ng/ul
 RT: 25.54 min Scan# 6153
 Delta R.T. -0.01 min
 Lab File: BN008198.D
 Acq: 16 Oct 2019 14:53

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.0	16.1	24.1
227	0.2	0.2	0.2

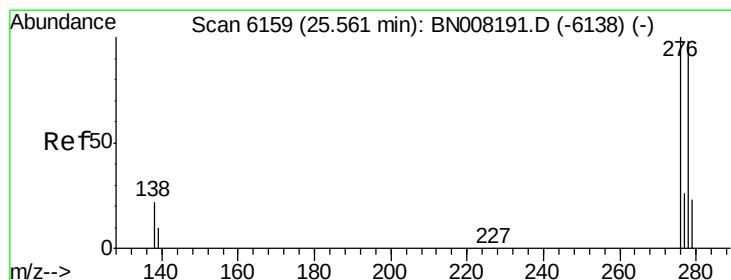
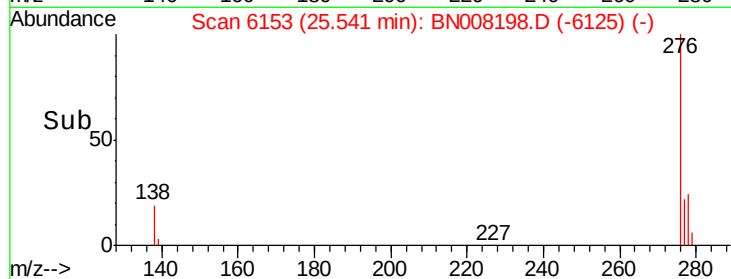
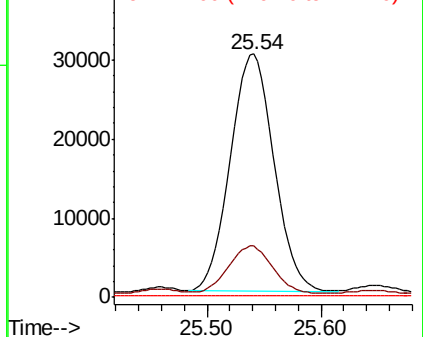


Abundance

Ion 276.00 (275.70 to 276.70): E

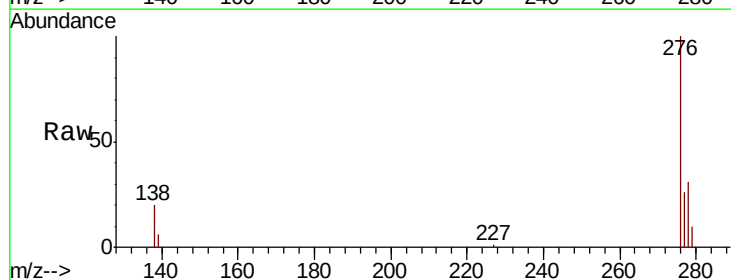
Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



#25
 Dibenzo(a,h)anthracene
 Concen: 0.547 ng/ul
 RT: 25.54 min Scan# 6154
 Delta R.T. -0.02 min
 Lab File: BN008198.D
 Acq: 16 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.5	15.0	22.6
279	31.2	22.4	33.6

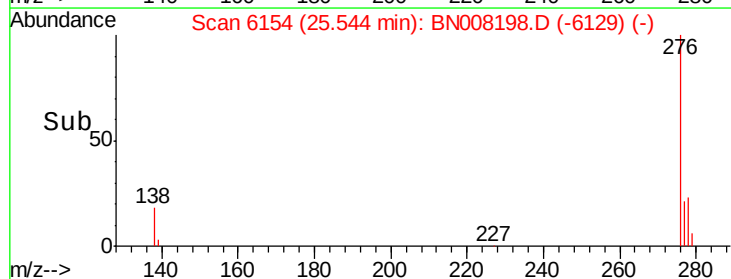
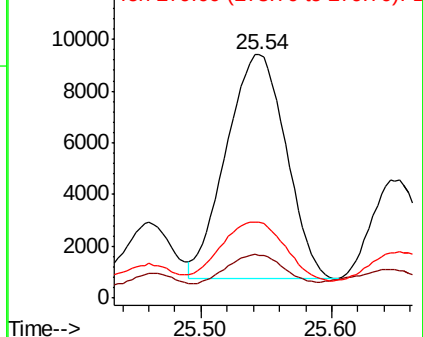


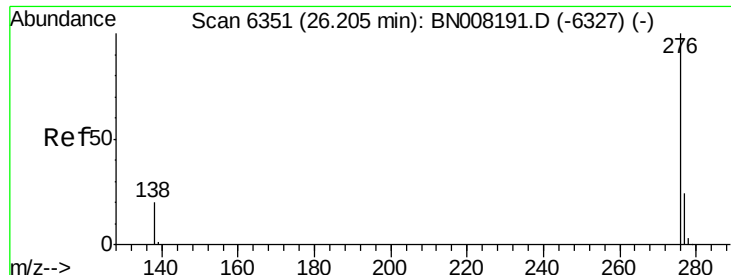
Abundance

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: 0.949 ng/ul

RT: 26.20 min Scan# 6349

Delta R.T. -0.01 min

Lab File: BN008198.D

Acq: 16 Oct 2019 14:53

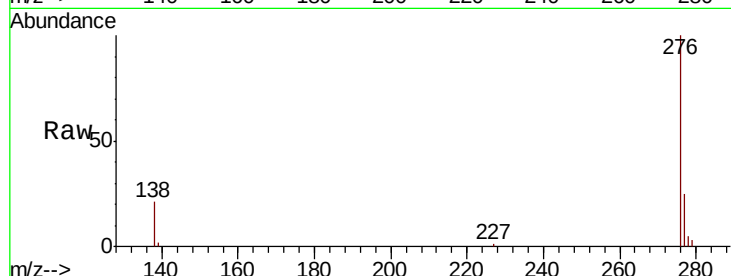
Tot Ion: 276 Resp: 55219

Ion Ratio Lower Upper

276 100

138 21.1 17.0 25.4

277 24.9 20.4 30.6



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

