

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100719\
 Data File : BN008055.D
 Acq On : 07 Oct 2019 18:15
 Operator : JU
 Sample : K5078-20DLRE 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 07 23:21:01 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 03 18:39:49 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	2668	0.40	ng	-0.03
7) Naphthalene-d8	10.44	136	11149	0.40	ng	-0.03
13) Acenaphthene-d10	14.29	164	7206	0.40	ng	-0.03
19) Phenanthrene-d10	17.04	188	15770	0.40	ng	-0.03
27) Chrysene-d12	21.24	240	22881	0.40	ng	-0.03
34) Perylene-d12	23.45	264	22550	0.40	ng	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	5.29	112	471	0.05	ng	-0.02
5) Phenol-d6	6.86	99	596	0.05	ng	0.00
8) Nitrobenzene-d5	8.81	82	489	0.05	ng	-0.03
11) 2-Methylnaphthalene-d10	12.03	152	1092	0.06	ng	-0.03
14) 2,4,6-Tribromophenol	15.80	330	215	0.05	ng	-0.02
15) 2-Fluorobiphenyl	12.92	172	1527	0.05	ng	-0.02
25) Fluoranthene-d10	19.08	212	3121	0.06	ng	-0.03
29) Terphenyl-d14	19.68	244	4316	0.08	ng	-0.03

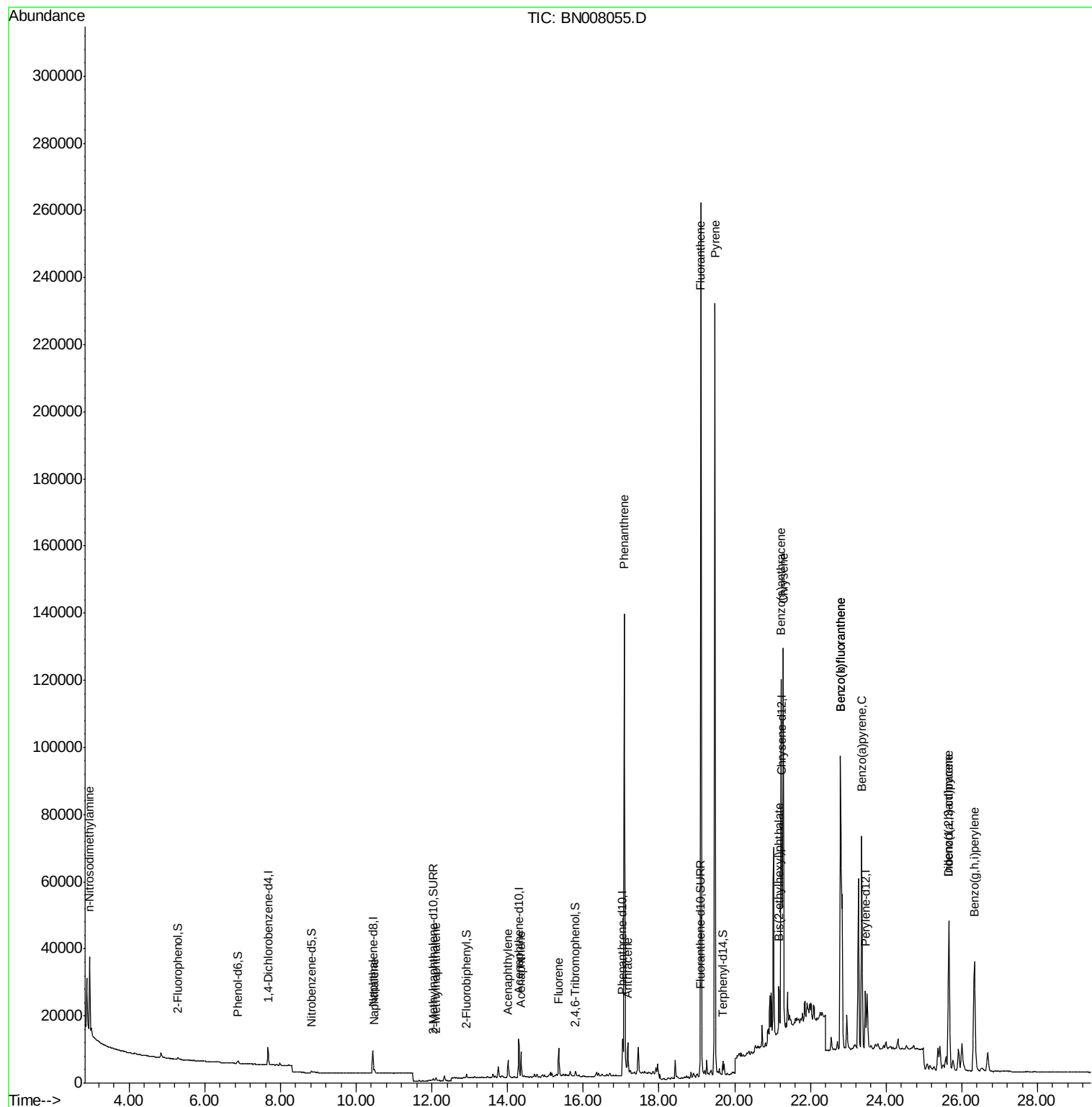
Target Compounds

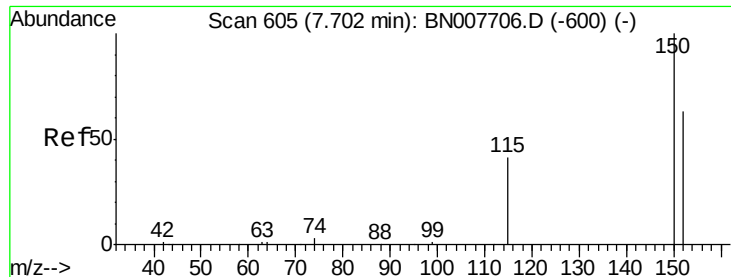
						Qvalue
3) n-Nitrosodimethylamine	2.96	42	2661	1.954	ng	# 90
9) Naphthalene	10.48	128	1318	0.042	ng	# 76
12) 2-Methylnaphthalene	12.10	142	784	0.037	ng	# 82
16) Acenaphthylene	14.01	152	6504	0.170	ng	98
17) Acenaphthene	14.36	154	3900	0.158	ng	97
18) Fluorene	15.35	166	5725	0.181	ng	97
23) Phenanthrene	17.08	178	143470	2.920	ng	100
24) Anthracene	17.18	178	11651	0.263	ng	# 93
26) Fluoranthene	19.11	202	245143	4.013	ng	100
28) Pylene	19.48	202	202831	2.599	ng	96
30) Benzo(a)anthracene	21.23	228	86494	1.027	ng	97
31) Chrysene	21.28	228	104385	1.271	ng	97
32) Bis(2-ethylhexyl)phthalate	21.16	149	13486	0.311	ng	99
33) Indeno(1,2,3-cd)pyrene	25.66	276	71571	0.696	ng	# 95
35) Benzo(b)fluoranthene	22.80	252	137656	1.758	ng	97
36) Benzo(k)fluoranthene	22.80	252	137656	1.778	ng	97
37) Benzo(a)pyrene	23.36	252	88119	1.198	ng	# 96
38) Dibenzo(a,h)anthracene	25.67	278	16367	0.217	ng	# 78
39) Benzo(g,h,i)perylene	26.33	276	70802	0.951	ng	98

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

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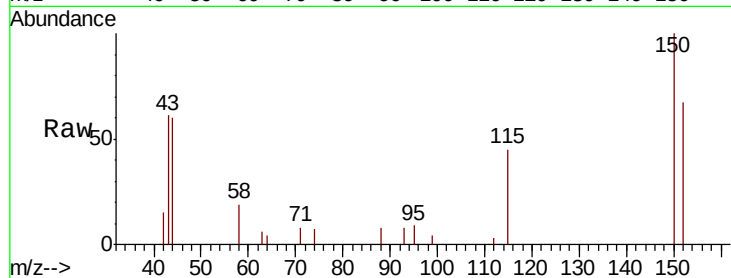




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.67 min Scan# 601
Delta R.T. -0.03 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.7	125.6	188.4
115	67.7	53.3	79.9

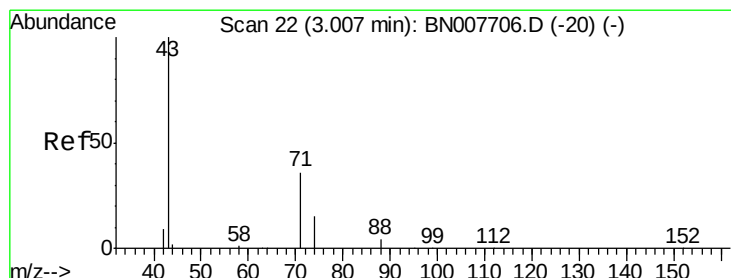
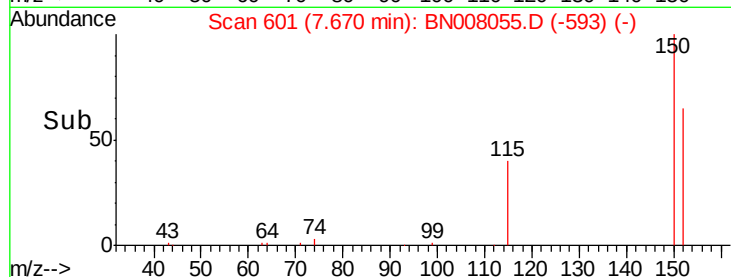
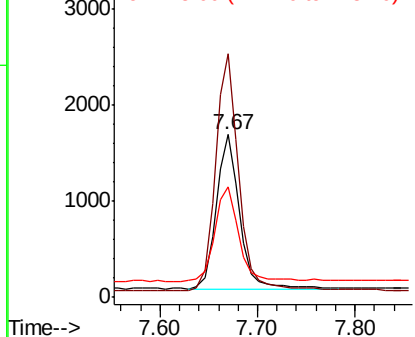


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

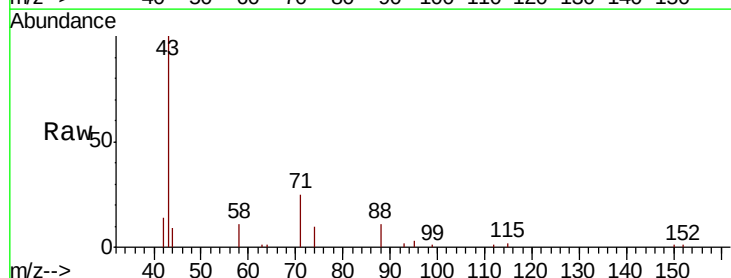
Ion 115.00 (114.70 to 115.70): E



#3

n-Nitrosodimethylamine
Concen: 1.954 ng
RT: 2.96 min Scan# 16
Delta R.T. -0.05 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
42	100		
74	106.3	87.9	131.9
44	19.0	29.4	44.0

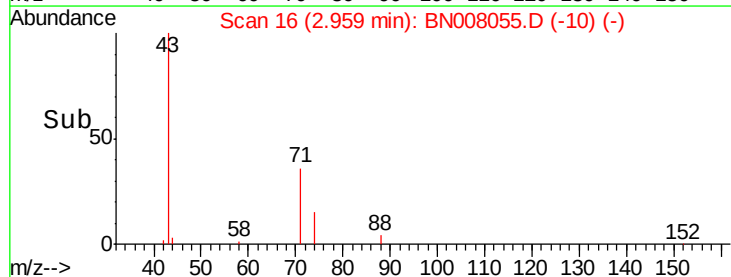
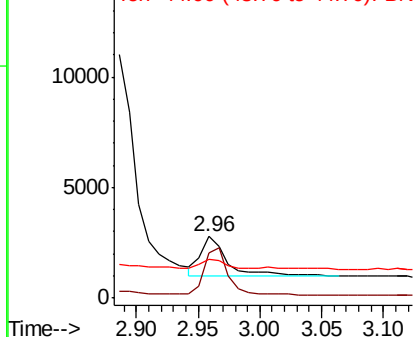


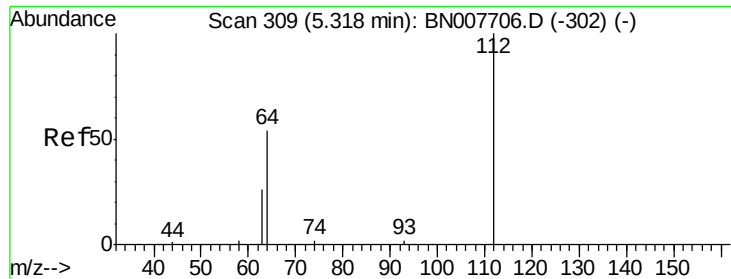
Abundance

Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC





#4

2-Fluorophenol

Concen: 0.051 ng

RT: 5.29 min Scan# 306

Delta R.T. -0.02 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

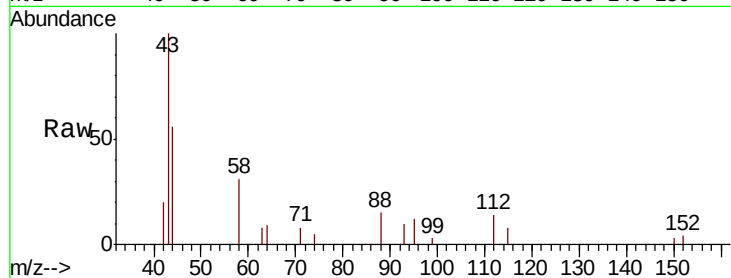
Tot Ion: 112 Resp: 471

Ion Ratio Lower Upper

112 100

64 57.7 46.6 70.0

63 32.5 23.1 34.7



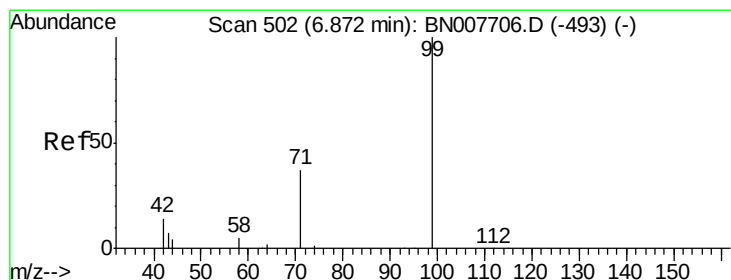
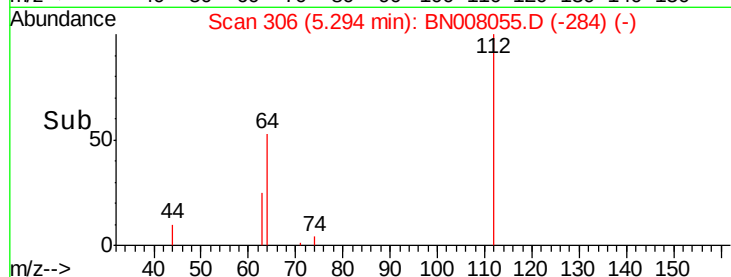
Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

5.29

Time-->



#5

Phenol-d6

Concen: 0.046 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

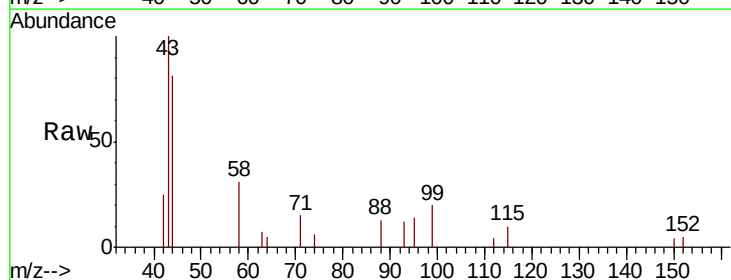
Tgt Ion: 99 Resp: 596

Ion Ratio Lower Upper

99 100

42 28.0 12.8 19.2#

71 36.2 27.6 41.4



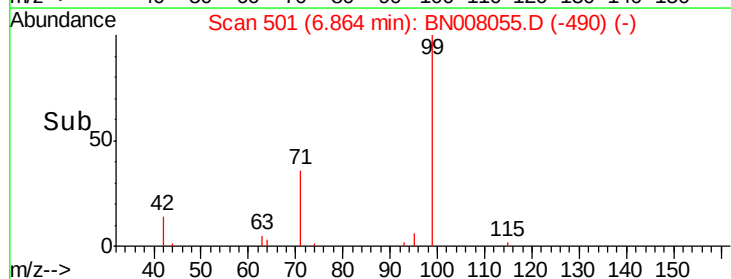
Abundance Ion 99.00 (98.70 to 99.70): BNC

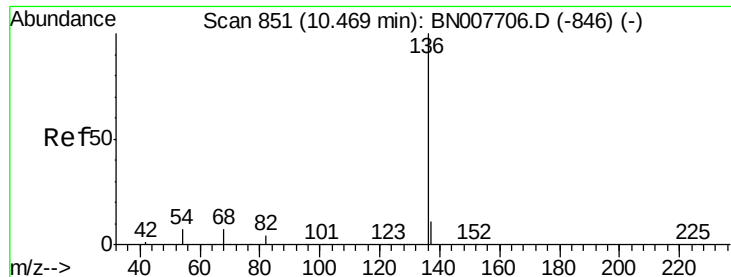
Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC

6.86

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.44 min Scan# 849

Delta R.T. -0.03 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

Tot Ion:136 Resp: 11149

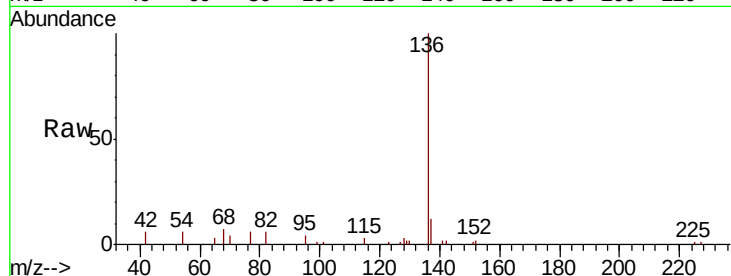
Ion Ratio Lower Upper

136 100

137 12.1 9.2 13.8

54 6.3 5.8 8.8

68 7.3 6.5 9.7

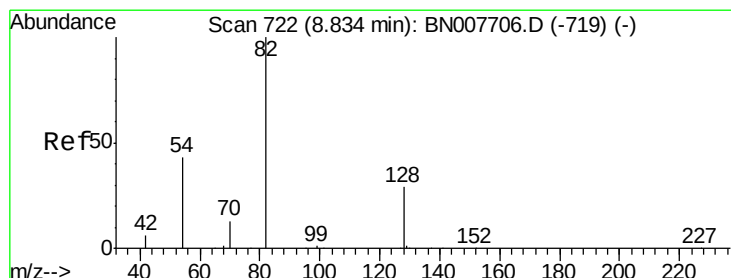
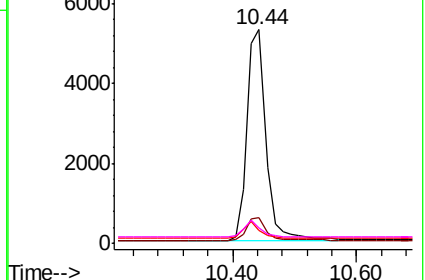
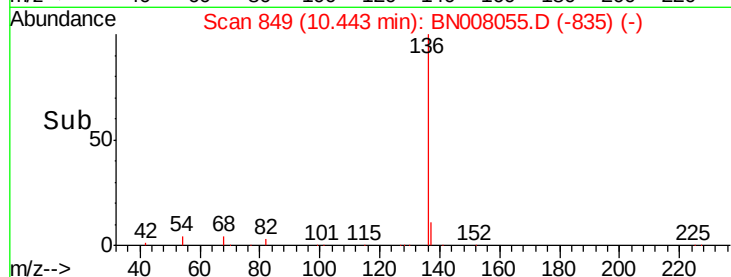


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.050 ng

RT: 8.81 min Scan# 720

Delta R.T. -0.03 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

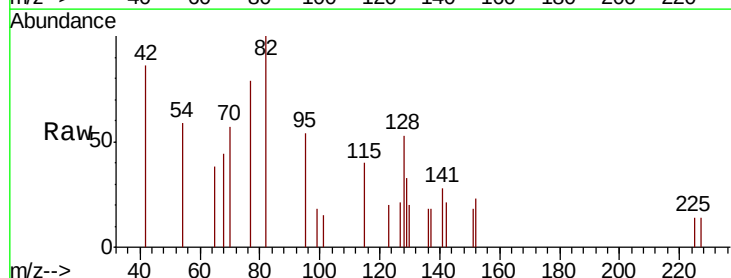
Tgt Ion: 82 Resp: 489

Ion Ratio Lower Upper

82 100

128 53.1 24.5 36.7#

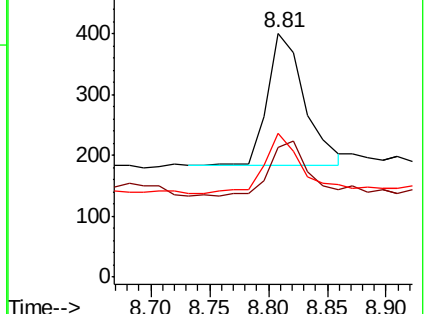
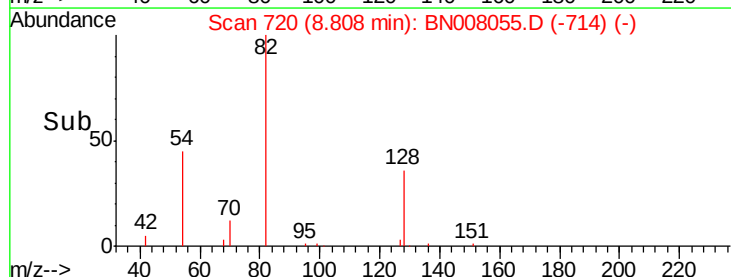
54 58.9 35.2 52.8#

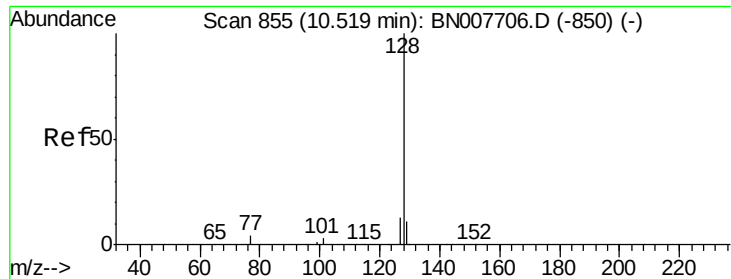


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.042 ng

RT: 10.48 min Scan# 852

Delta R.T. -0.04 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

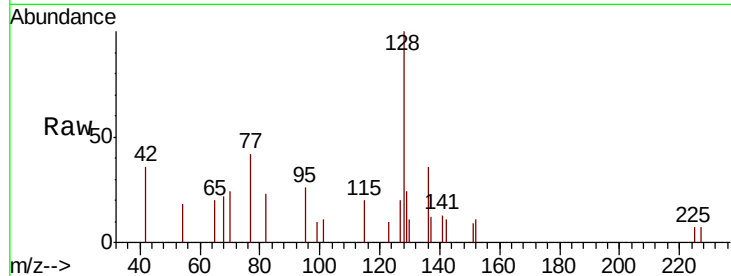
Tot Ion:128 Resp: 1318

Ion Ratio Lower Upper

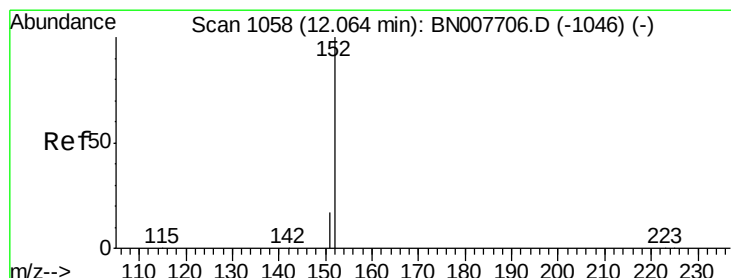
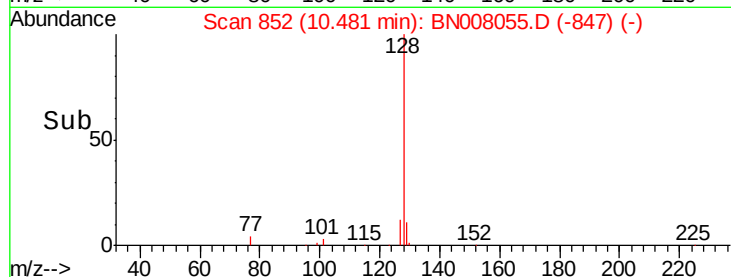
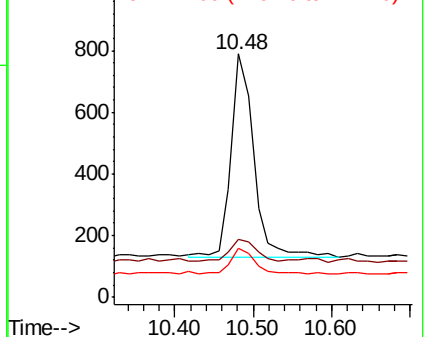
128 100

129 24.0 9.1 13.7#

127 20.0 10.6 15.8#



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



#11

2-Methylnaphthalene-d10

Concen: 0.058 ng

RT: 12.03 min Scan# 1051

Delta R.T. -0.03 min

Lab File: BN008055.D

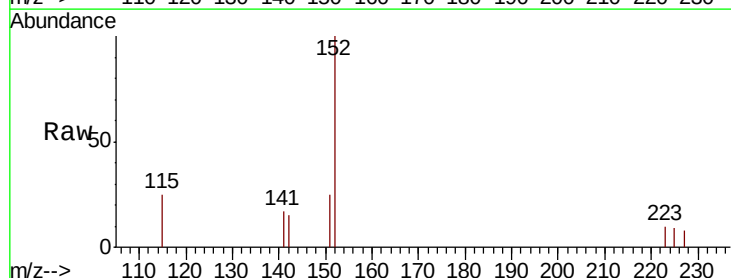
Acq: 07 Oct 2019 18:15

Tgt Ion:152 Resp: 1092

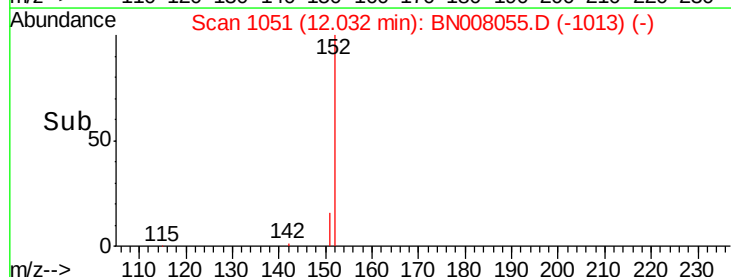
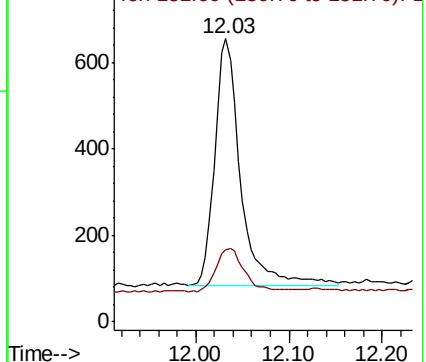
Ion Ratio Lower Upper

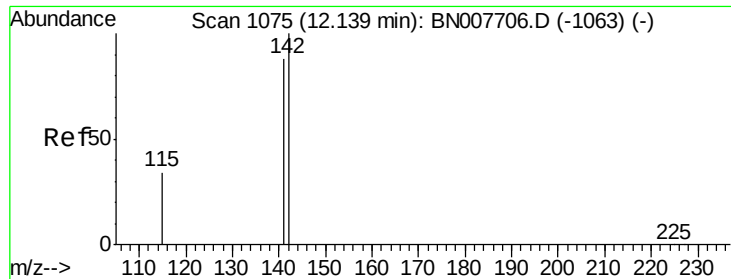
152 100

151 18.8 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.037 ng

RT: 12.10 min Scan# 1067

Delta R.T. -0.04 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

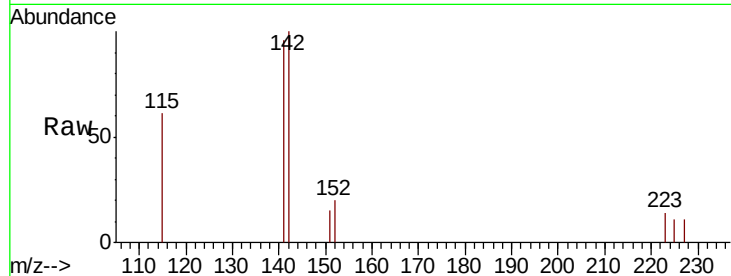
Tot Ion:142 Resp: 784

Ion Ratio Lower Upper

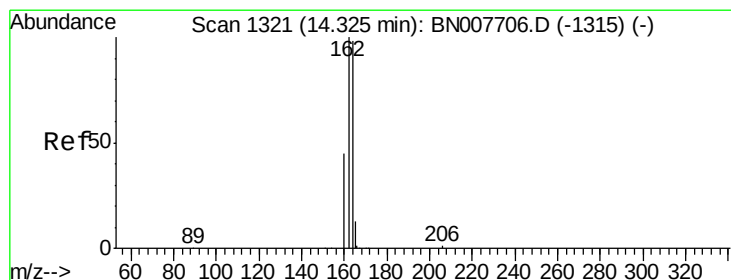
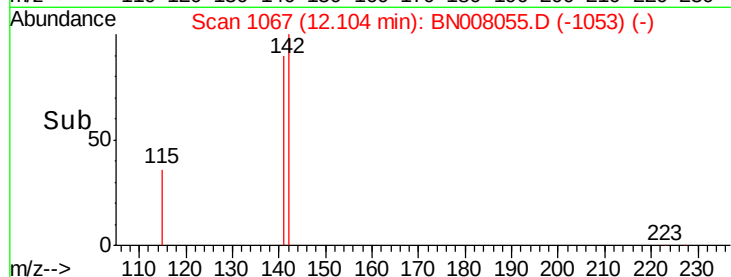
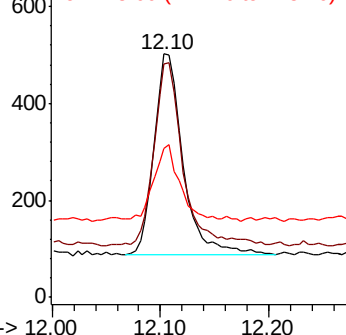
142 100

141 95.8 70.6 106.0

115 61.0 28.3 42.5#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.29 min Scan# 1318

Delta R.T. -0.03 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

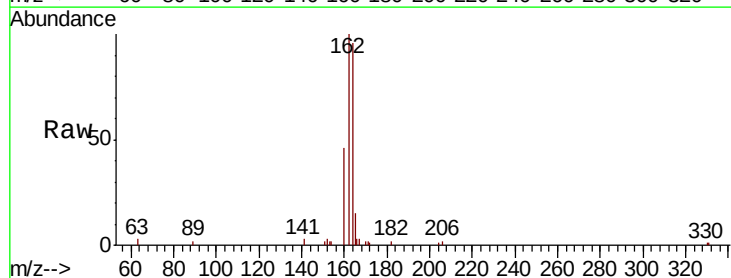
Tgt Ion:164 Resp: 7206

Ion Ratio Lower Upper

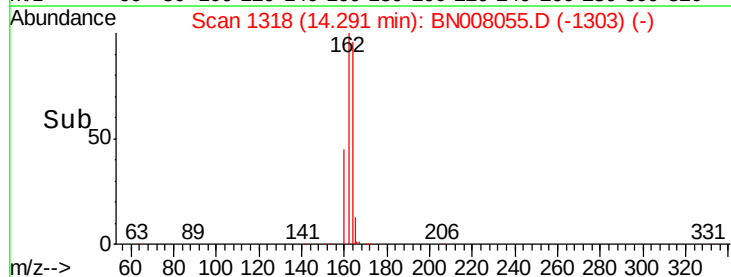
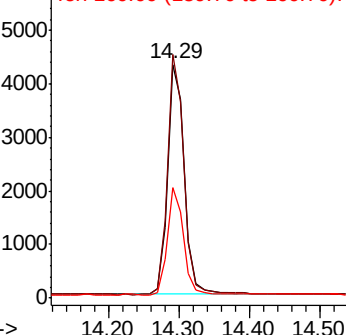
164 100

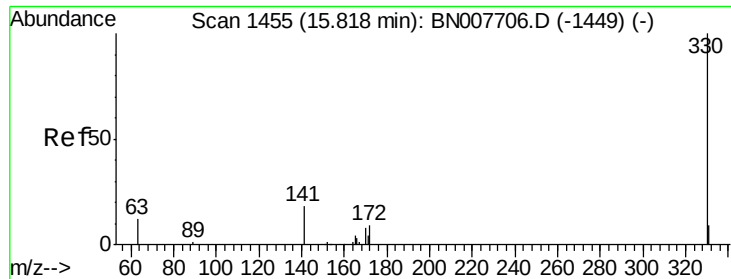
162 104.1 81.7 122.5

160 47.5 37.0 55.4



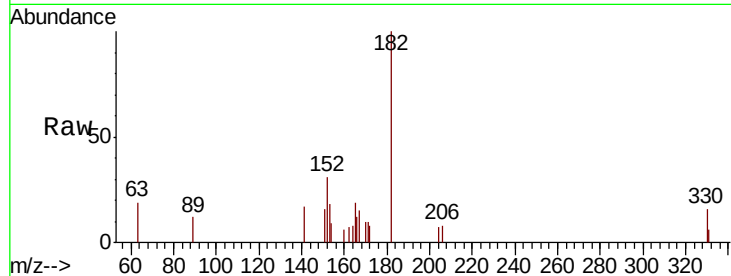
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



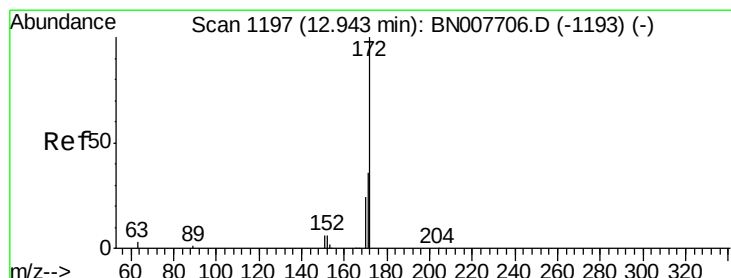
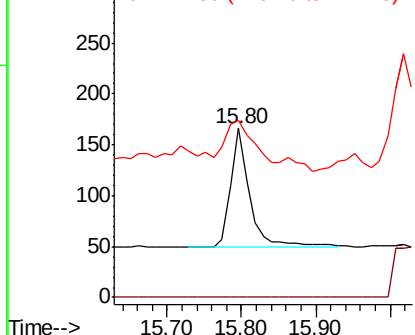
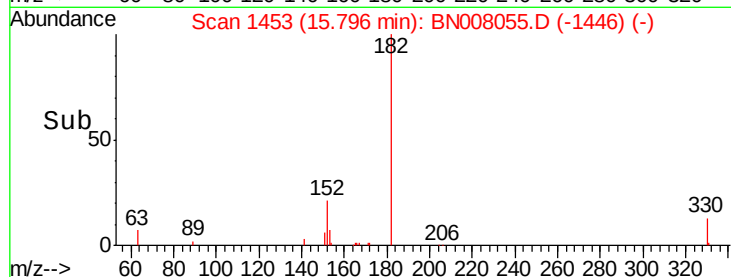


#14
 2,4,6-Tribromophenol
 Concen: 0.055 ng
 RT: 15.80 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: BN008055.D
 Acq: 07 Oct 2019 18:15

Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	44.7	28.7	43.1

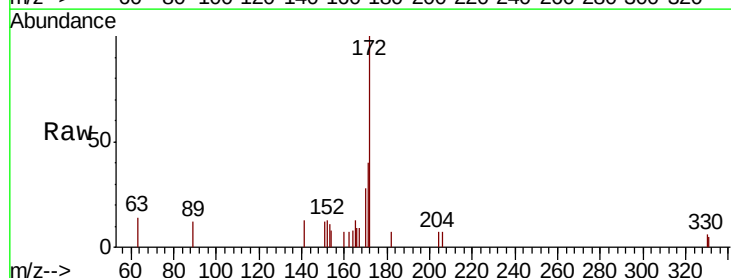


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

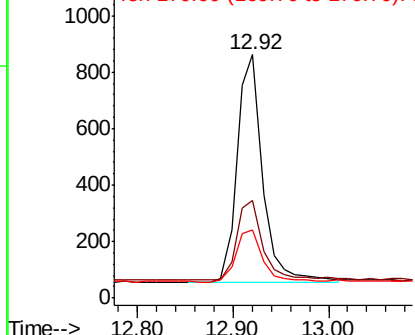
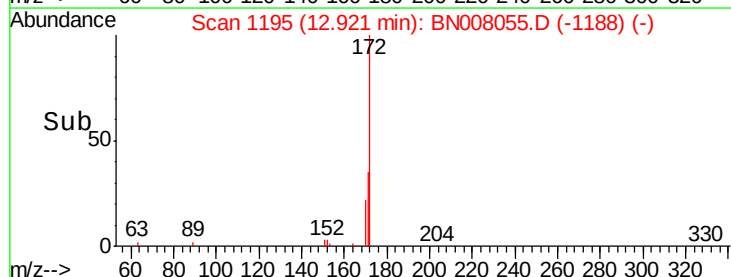


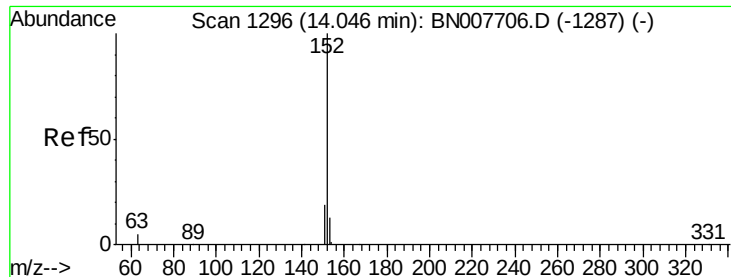
#15
 2-Fluorobiphenyl
 Concen: 0.051 ng
 RT: 12.92 min Scan# 1195
 Delta R.T. -0.02 min
 Lab File: BN008055.D
 Acq: 07 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.1	28.8	43.2
170	28.1	19.5	29.3



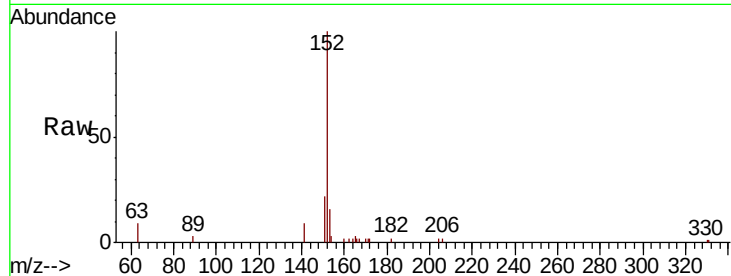
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



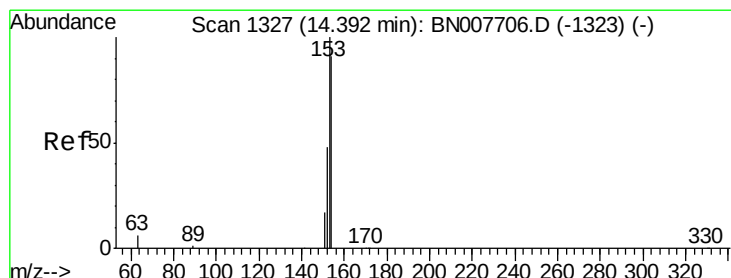
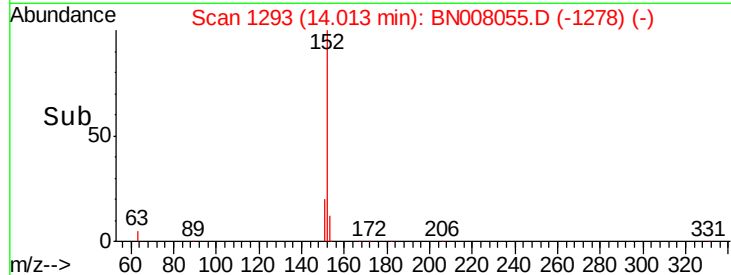
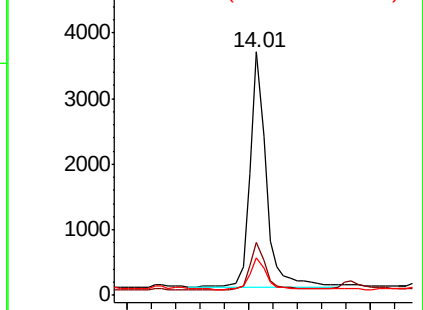


#16
Acenaphthylene
Concen: 0.170 ng
RT: 14.01 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.5	23.3
153	13.5	10.4	15.6

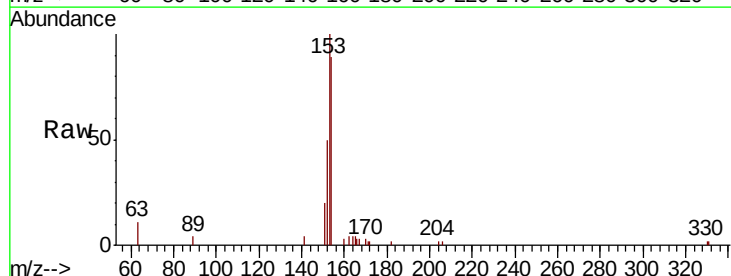


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

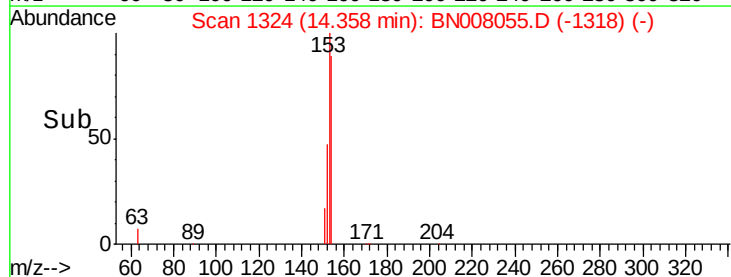
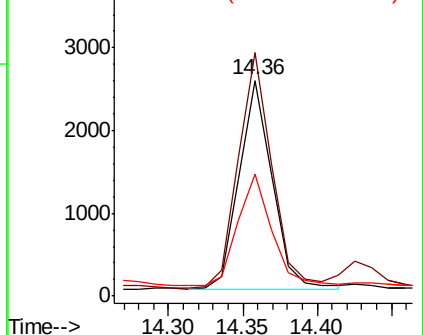


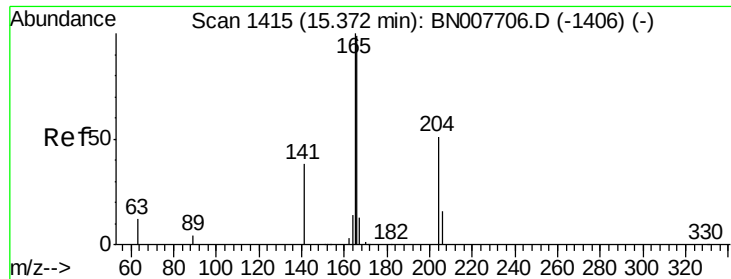
#17
Acenaphthene
Concen: 0.158 ng
RT: 14.36 min Scan# 1324
Delta R.T. -0.03 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.8	87.0	130.4
152	53.5	42.7	64.1



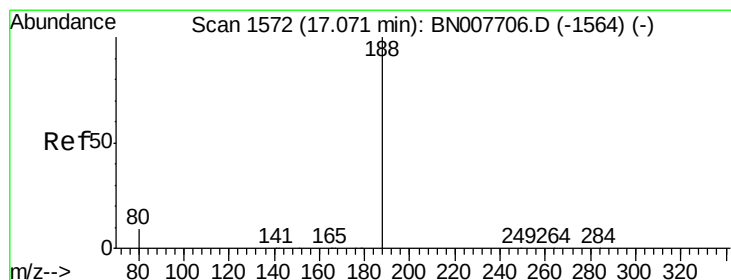
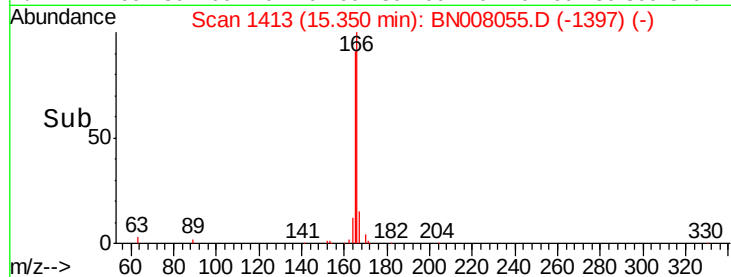
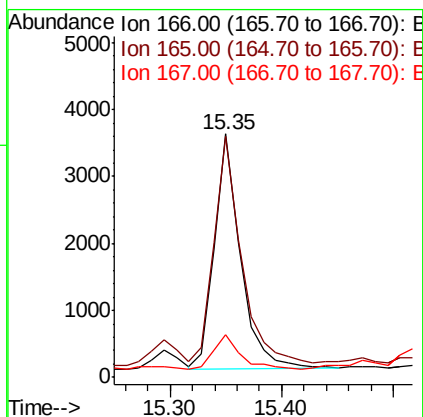
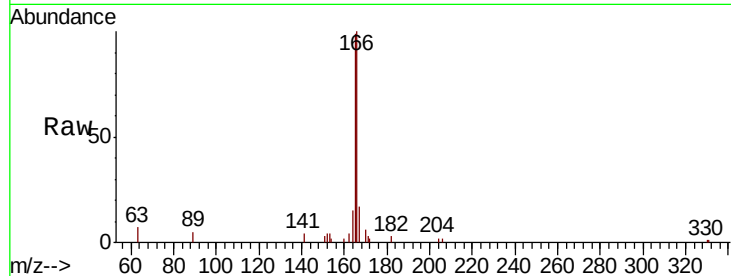
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





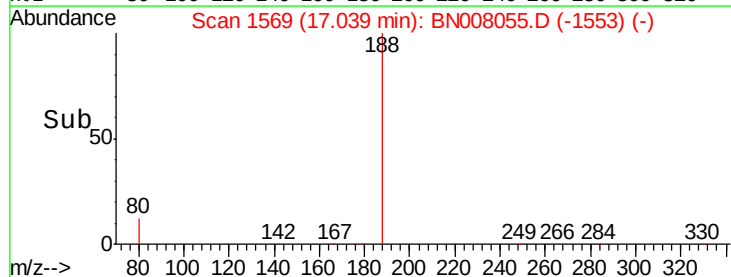
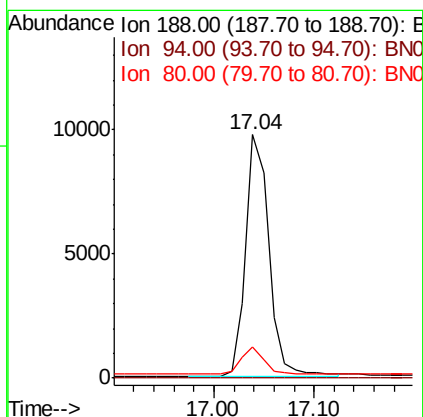
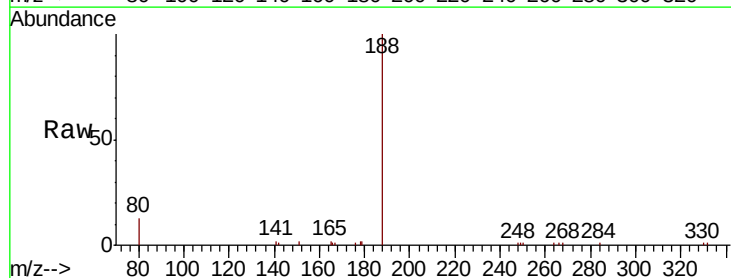
#18
 Fluorene
 Concen: 0.181 ng
 RT: 15.35 min Scan# 1413
 Delta R.T. -0.02 min
 Lab File: BN008055.D
 Acq: 07 Oct 2019 18:15

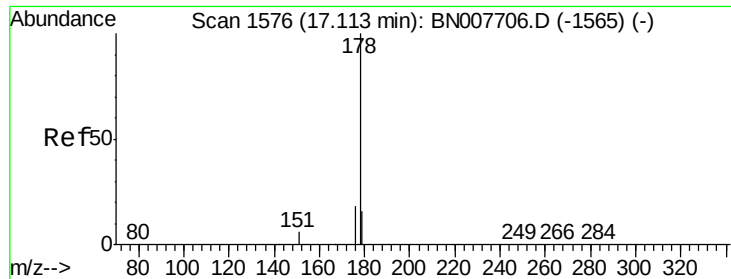
Tot Ion	Ratio	Lower	Upper
166	100		
165	100.1	78.0	117.0
167	15.4	10.9	16.3



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.04 min Scan# 1569
 Delta R.T. -0.03 min
 Lab File: BN008055.D
 Acq: 07 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.0	7.4	11.2





#23

Phenanthrene

Concen: 2.920 ng

RT: 17.08 min Scan# 1573

Delta R.T. -0.03 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

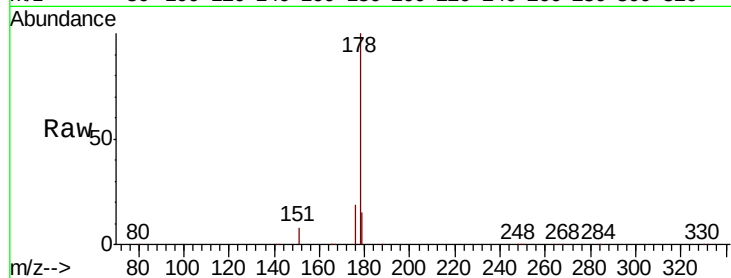
Tot Ion:178 Resp: 143470

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

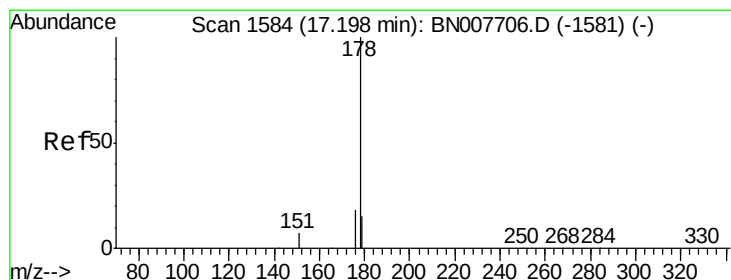
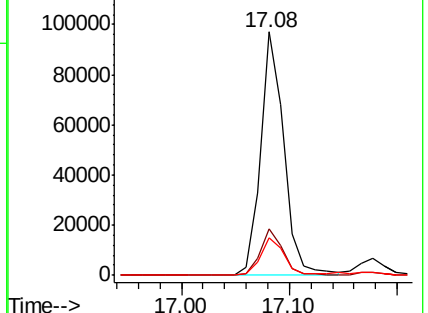
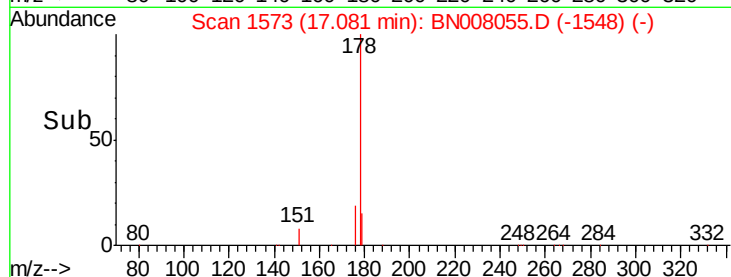
179 15.3 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.263 ng

RT: 17.18 min Scan# 1582

Delta R.T. -0.02 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

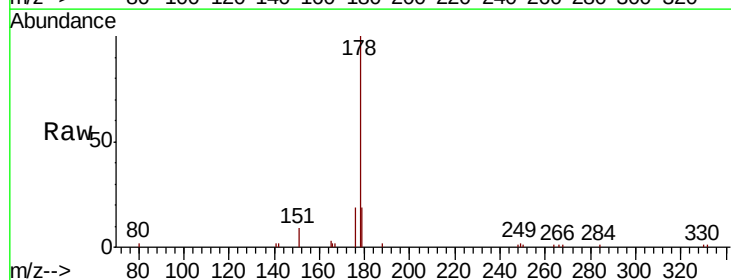
Tgt Ion:178 Resp: 11651

Ion Ratio Lower Upper

178 100

176 17.8 14.6 21.8

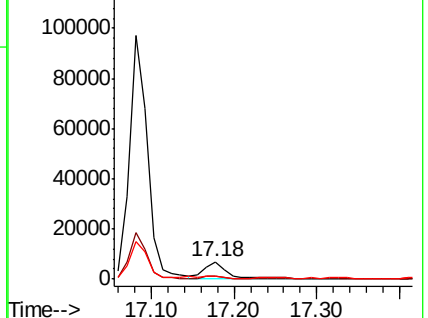
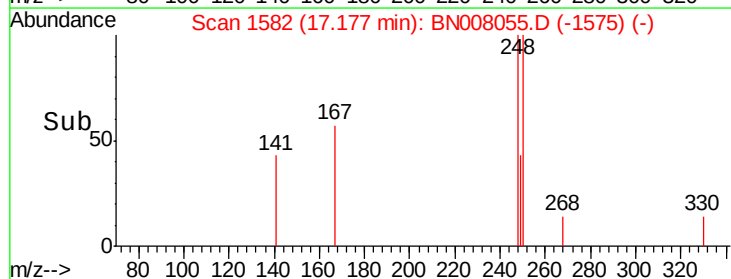
179 21.0 12.2 18.4#

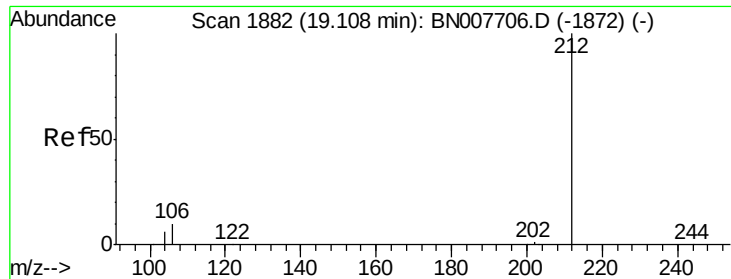


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

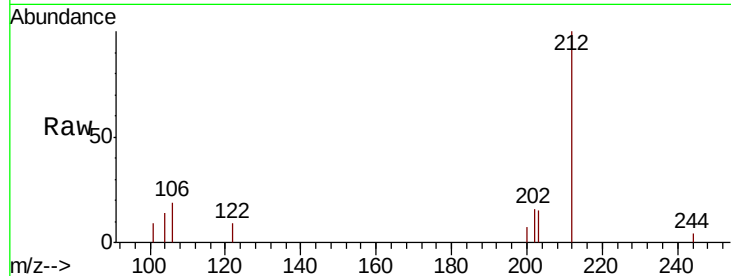
Ion 179.00 (178.70 to 179.70): E





#25
 Fluoranthene-d10
 Concen: 0.059 ng
 RT: 19.08 min Scan# 1876
 Delta R.T. -0.03 min
 Lab File: BN008055.D
 Acq: 07 Oct 2019 18:15

Tot Ion	Ratio	Lower	Upper
212	100		
106	12.6	9.4	14.0
104	7.0	5.3	7.9

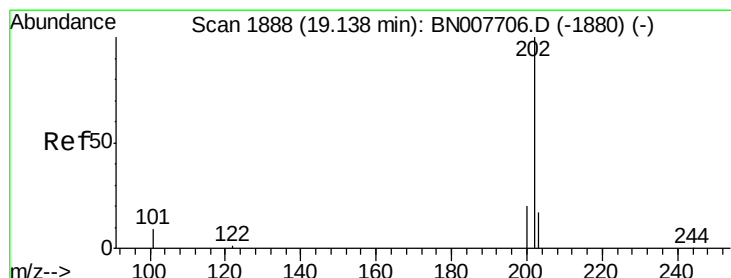
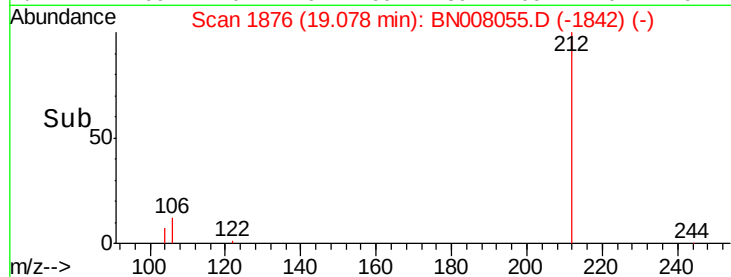
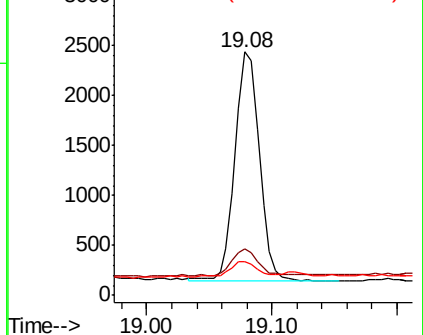


Abundance

Ion 212.00 (211.70 to 212.70): E

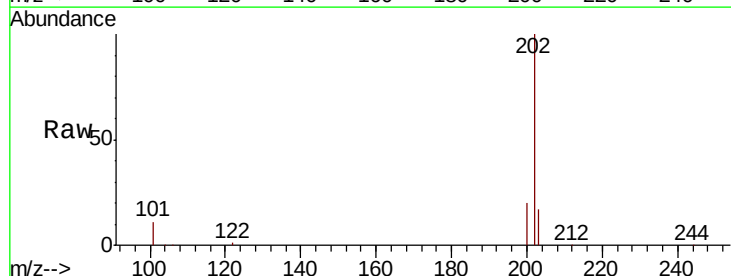
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26
 Fluoranthene
 Concen: 4.013 ng
 RT: 19.11 min Scan# 1882
 Delta R.T. -0.03 min
 Lab File: BN008055.D
 Acq: 07 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.4	12.6
203	17.4	13.8	20.8

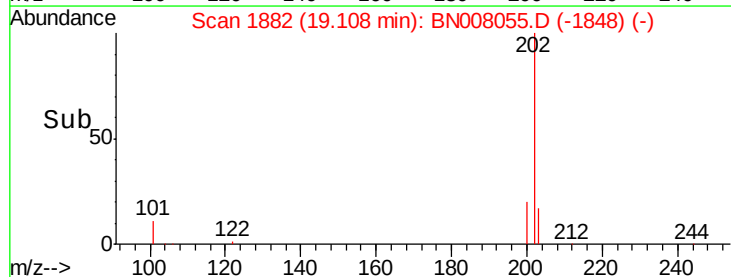
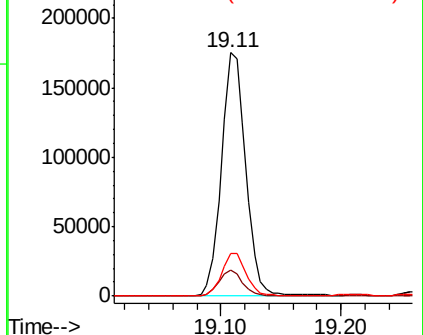


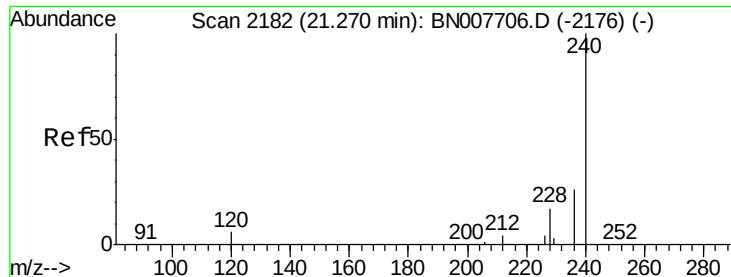
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.24 min Scan# 2179

Delta R.T. -0.03 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

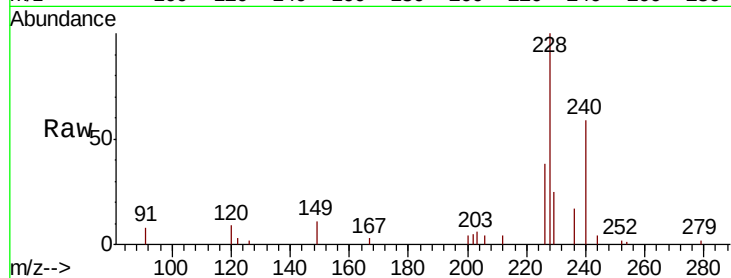
Tot Ion:240 Resp: 22881

Ion Ratio Lower Upper

240 100

120 15.7 5.4 8.2#

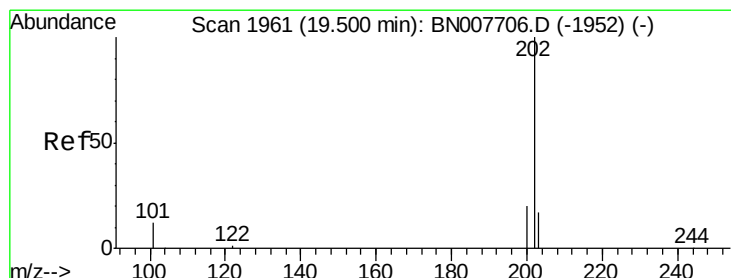
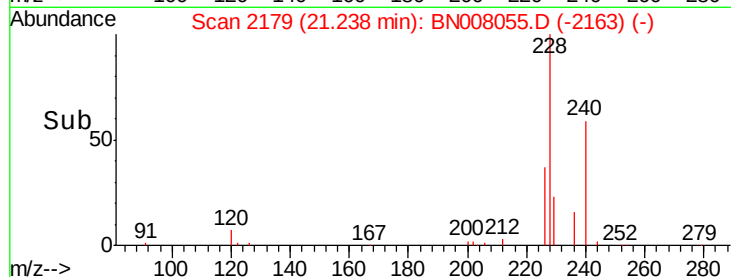
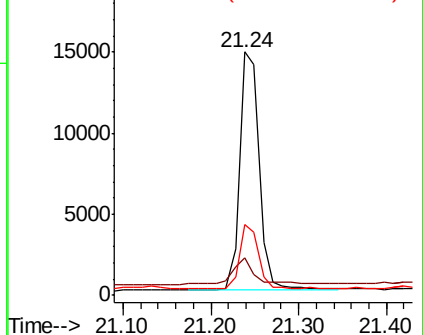
236 28.9 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 2.599 ng

RT: 19.48 min Scan# 1956

Delta R.T. -0.02 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

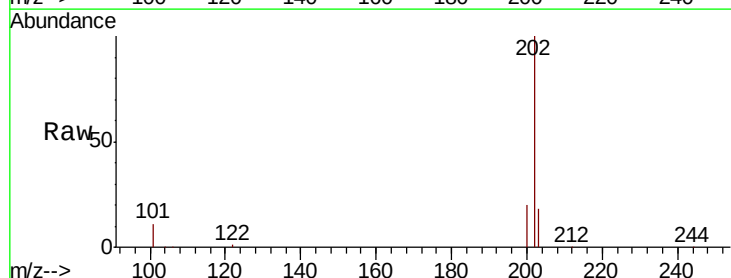
Tgt Ion:202 Resp: 202831

Ion Ratio Lower Upper

202 100

200 20.5 16.4 24.6

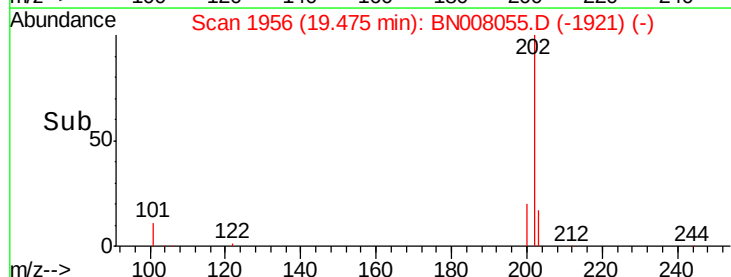
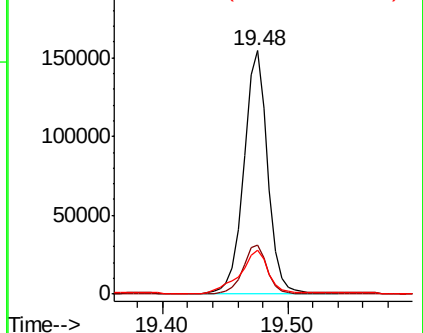
203 21.1 14.1 21.1

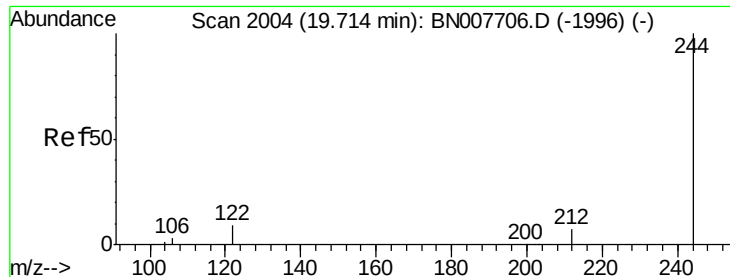


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.077 ng

RT: 19.68 min Scan# 1998

Delta R.T. -0.03 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

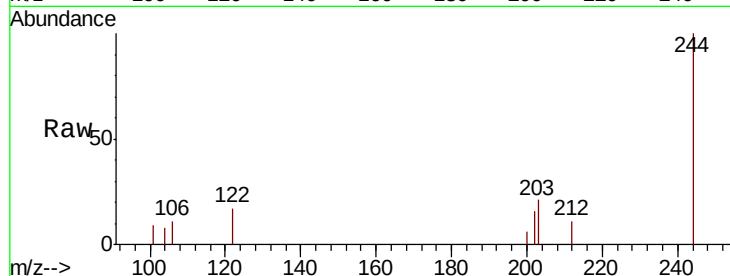
Tot Ion:244 Resp: 4316

Ion Ratio Lower Upper

244 100

212 11.1 5.9 8.9#

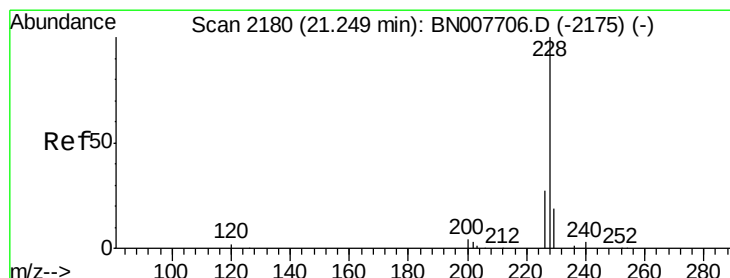
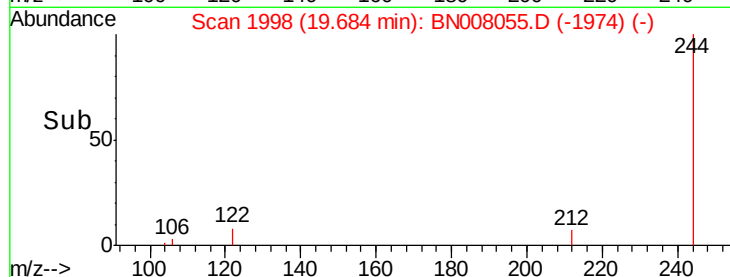
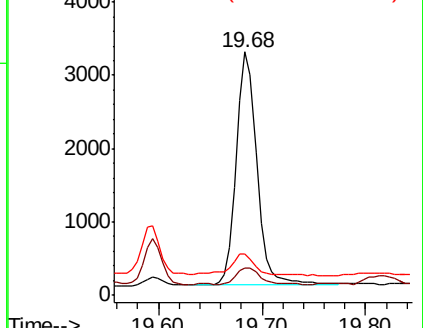
122 17.0 7.4 11.2#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 1.027 ng

RT: 21.23 min Scan# 2178

Delta R.T. -0.02 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

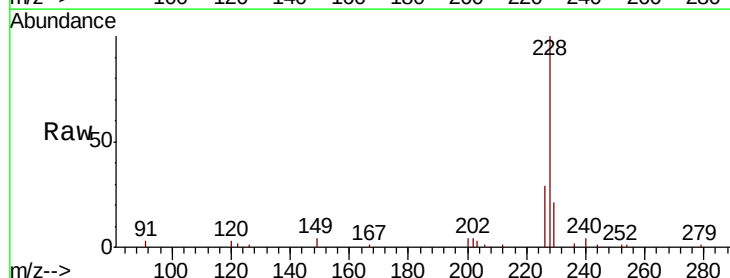
Tgt Ion:228 Resp: 86494

Ion Ratio Lower Upper

228 100

226 28.7 22.1 33.1

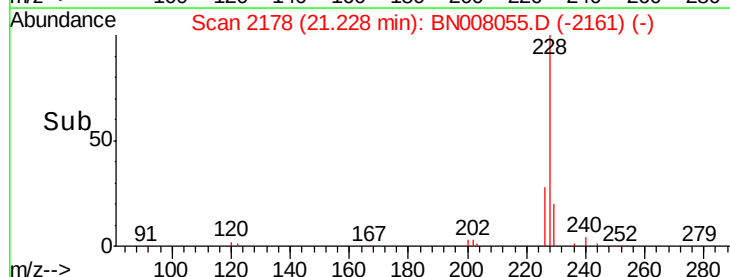
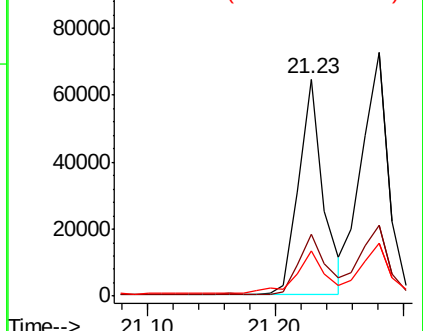
229 21.1 15.8 23.6

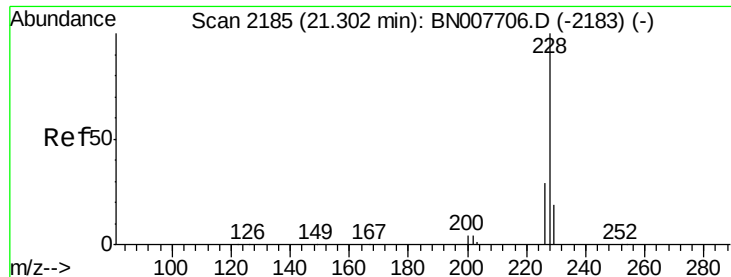


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

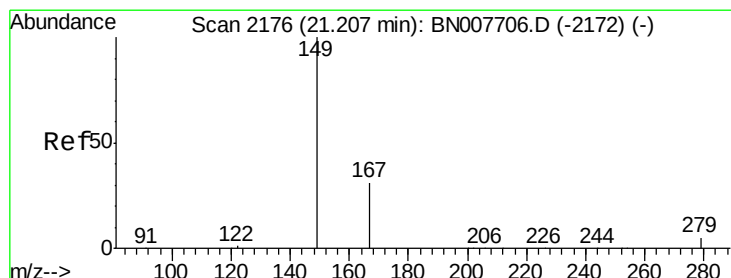
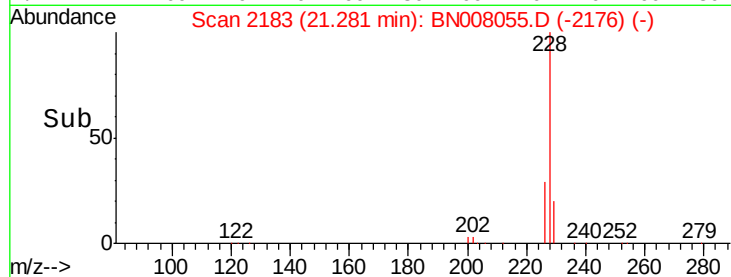
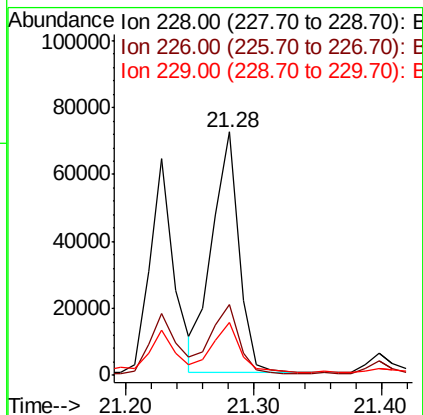
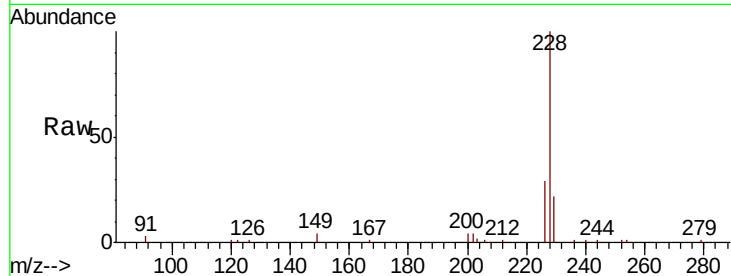




#31
 Chrysene
 Concen: 1.271 ng
 RT: 21.28 min Scan# 2183
 Delta R.T. -0.02 min
 Lab File: BN008055.D
 Acq: 07 Oct 2019 18:15

Tot Ion:228 Resp: 104385

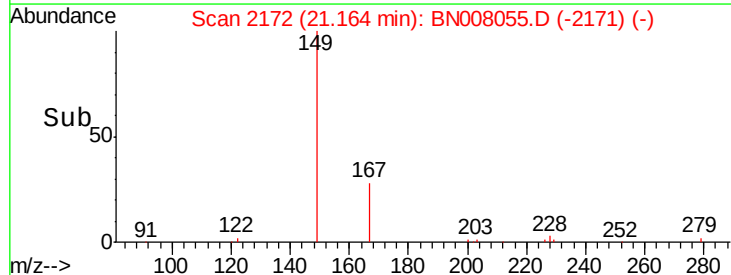
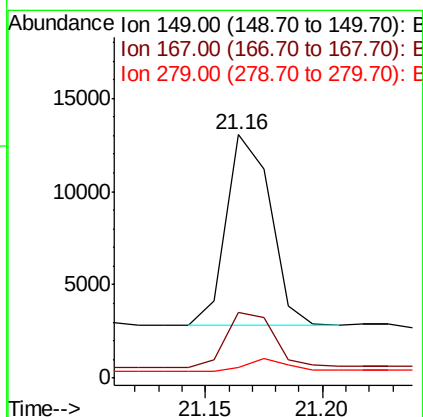
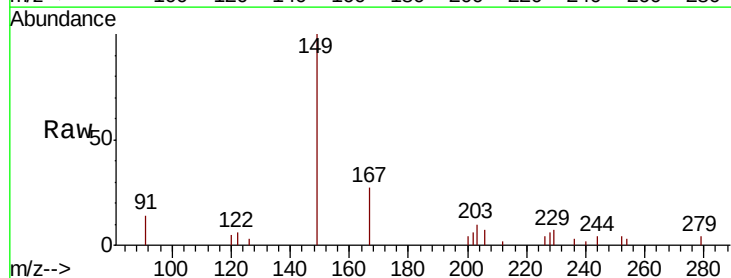
Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.9	35.9
229	21.9	15.8	23.6

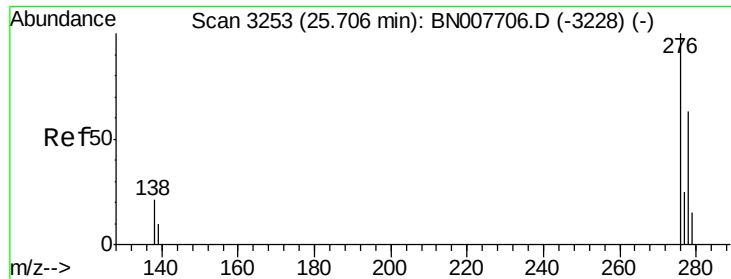


#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.311 ng
 RT: 21.16 min Scan# 2172
 Delta R.T. -0.04 min
 Lab File: BN008055.D
 Acq: 07 Oct 2019 18:15

Tgt Ion:149 Resp: 13486

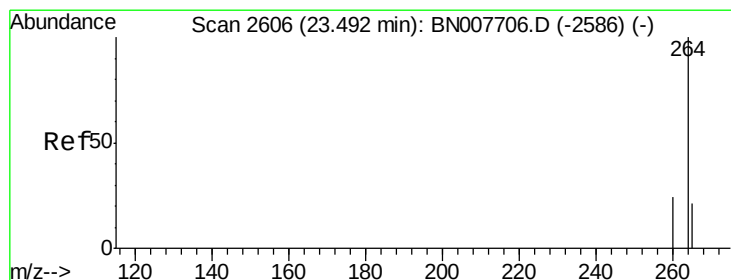
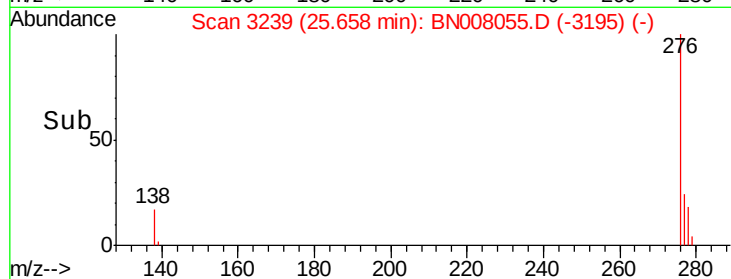
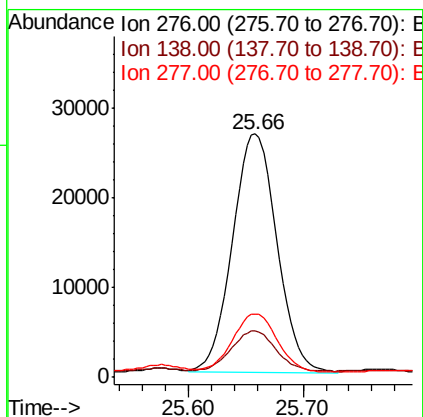
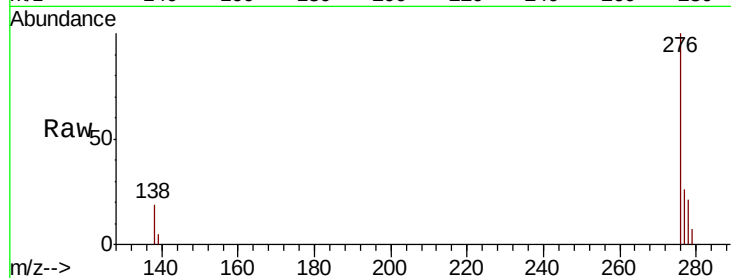
Ion	Ratio	Lower	Upper
149	100		
167	30.2	23.7	35.5
279	5.7	4.2	6.2





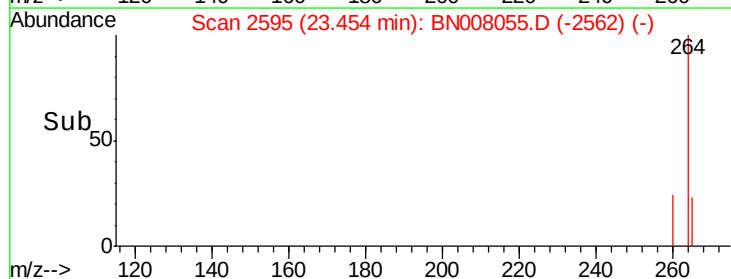
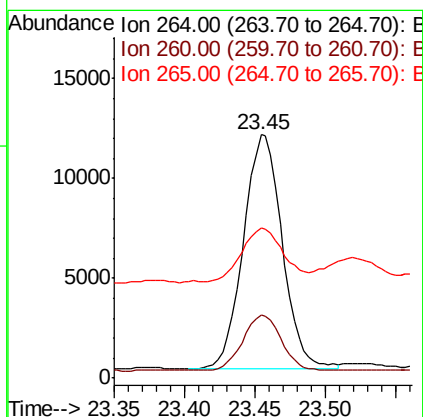
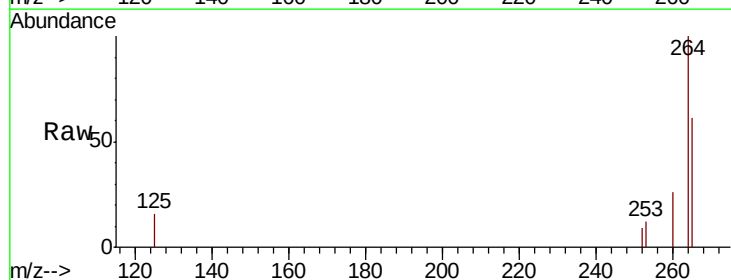
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.696 ng
 RT: 25.66 min Scan# 3239
 Delta R.T. -0.05 min
 Lab File: BN008055.D
 Acq: 07 Oct 2019 18:15

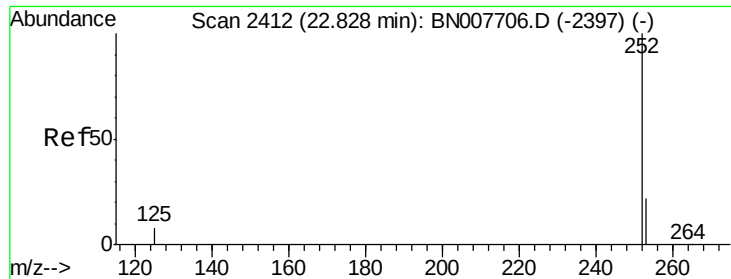
Tot Ion: 276 Resp: 71571
 Ion Ratio Lower Upper
 276 100
 138 16.9 17.1 25.7#
 277 24.4 20.0 30.0



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.45 min Scan# 2595
 Delta R.T. -0.04 min
 Lab File: BN008055.D
 Acq: 07 Oct 2019 18:15

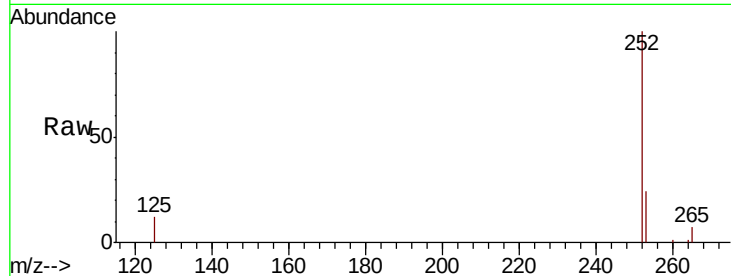
Tgt Ion: 264 Resp: 22550
 Ion Ratio Lower Upper
 264 100
 260 25.9 19.3 28.9
 265 61.4 26.9 40.3#



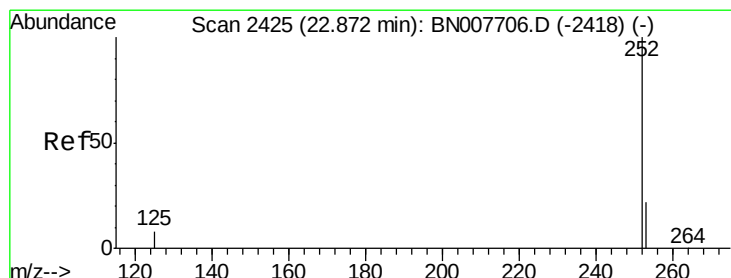
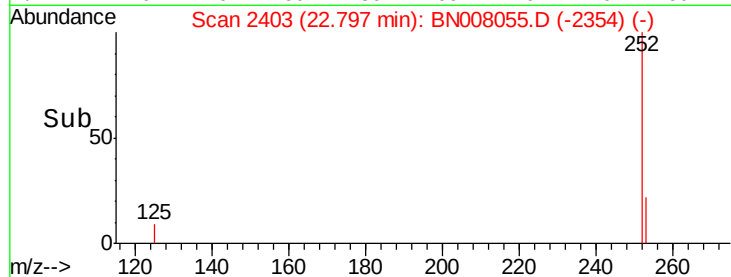
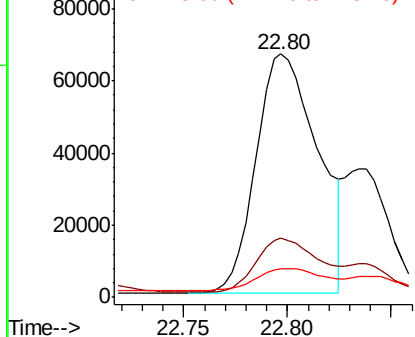


#35
Benzo(b)fluoranthene
Concen: 1.758 ng
RT: 22.80 min Scan# 2403
Delta R.T. -0.03 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Tot Ion:252 Resp: 137656
Ion Ratio Lower Upper
252 100
253 24.1 18.3 27.5
125 11.9 8.2 12.4

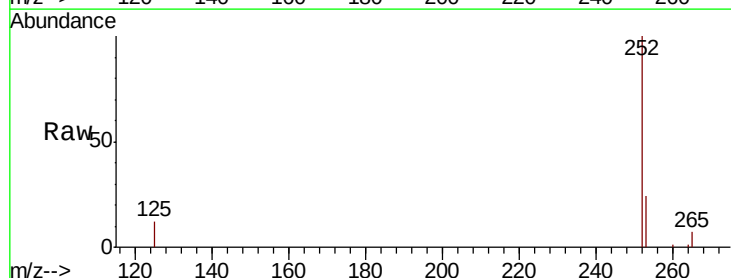


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

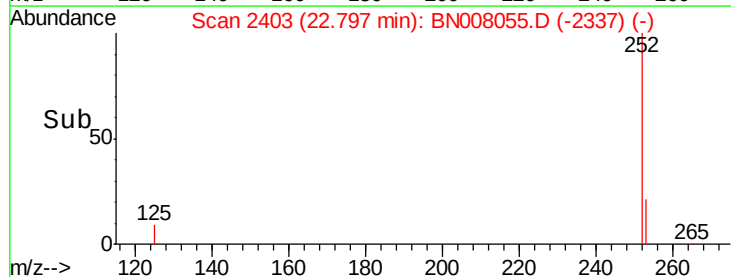
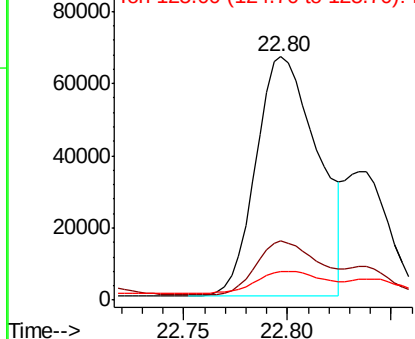


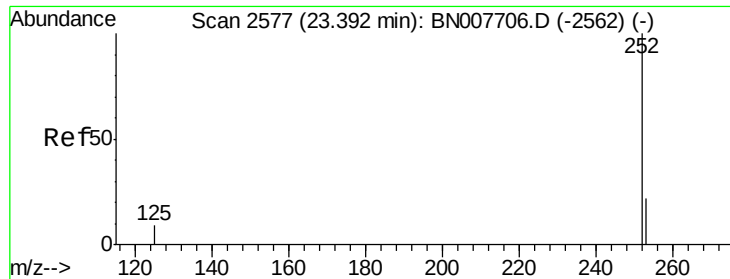
#36
Benzo(k)fluoranthene
Concen: 1.778 ng
RT: 22.80 min Scan# 2403
Delta R.T. -0.08 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Tgt Ion:252 Resp: 137656
Ion Ratio Lower Upper
252 100
253 24.1 18.5 27.7
125 11.9 8.4 12.6



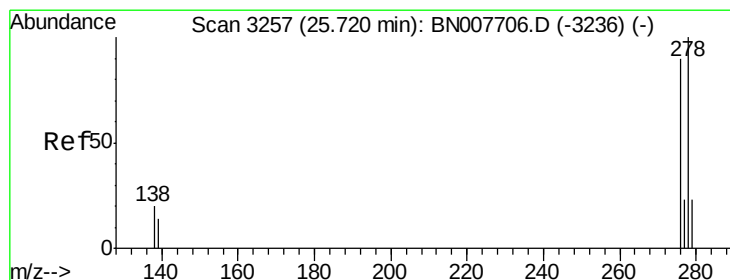
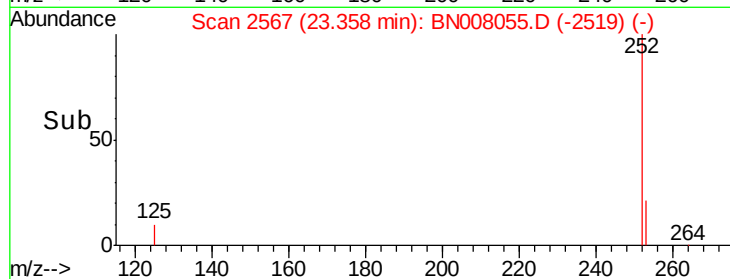
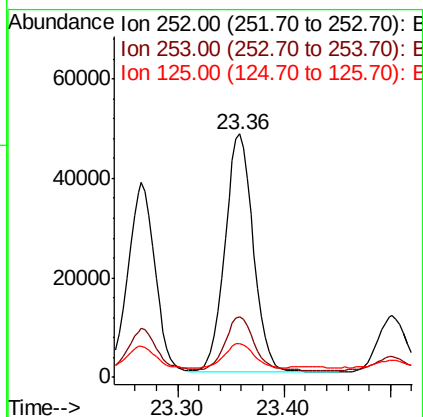
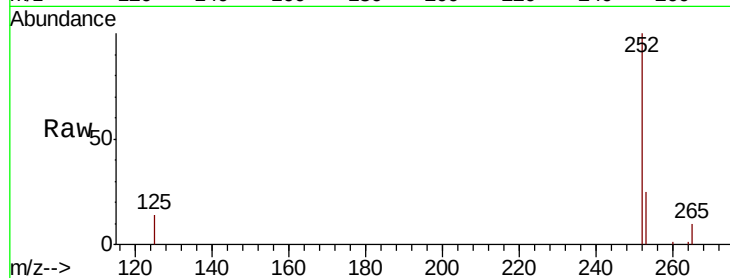
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





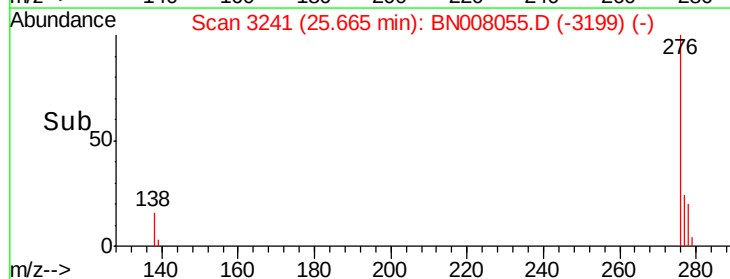
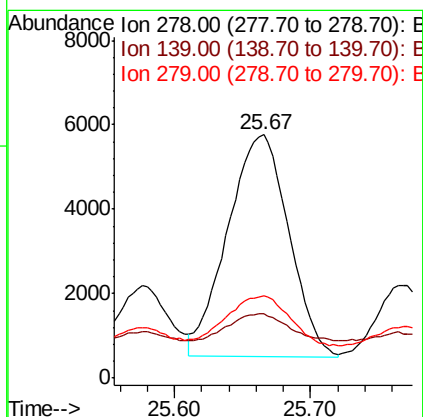
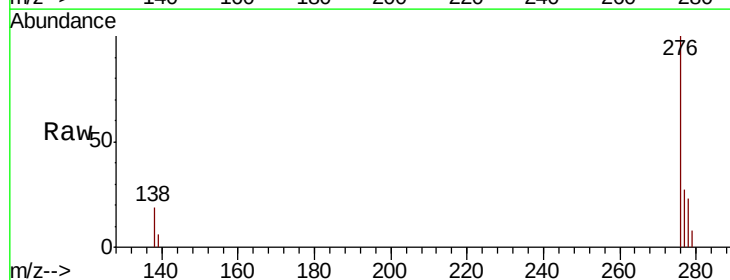
#37
Benzo(a)pyrene
Concen: 1.198 ng
RT: 23.36 min Scan# 2567
Delta R.T. -0.03 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

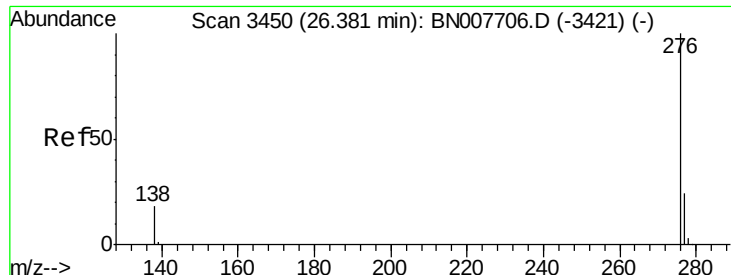
Tot Ion:252 Resp: 88119
Ion Ratio Lower Upper
252 100
253 24.7 18.6 27.8
125 14.1 9.4 14.0#



#38
Dibenzo(a,h)anthracene
Concen: 0.217 ng
RT: 25.67 min Scan# 3241
Delta R.T. -0.05 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Tgt Ion:278 Resp: 16367
Ion Ratio Lower Upper
278 100
139 26.3 11.8 17.6#
279 33.7 19.4 29.2#





#39

Benzo(a,h,i)perylene

Concen: 0.951 ng

RT: 26.33 min Scan# 3436

Delta R.T. -0.05 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

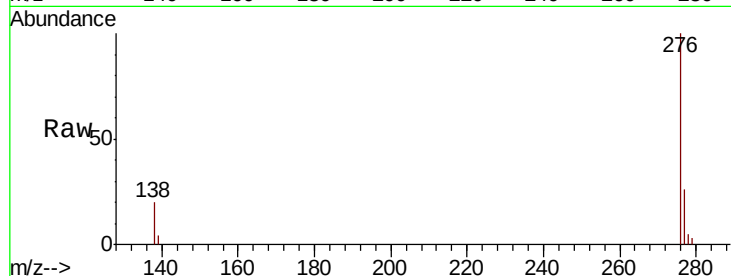
Tot Ion: 276 Resp: 70802

Ion Ratio Lower Upper

276 100

277 25.9 19.8 29.8

138 19.6 15.1 22.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

