

Data Path : Z:\HPCHEM1\BNA N\Data\BN022718\
 Data File : BN000185.D
 Acq On : 27 Feb 2018 11:34
 Operator : JU/SJ
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 27 12:04:04 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BN022718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 11:40:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.460	152	6967	0.40	ng	0.00
7) Naphthalene-d8	11.287	136	25790	0.40	ng	0.00
13) Acenaphthene-d10	15.055	164	12911	0.40	ng	0.00
19) Phenanthrene-d10	17.776	188	27123	0.40	ng	0.00
27) Chrysene-d12	21.896	240	26040	0.40	ng	0.00
34) Perylene-d12	24.371	264	19514	0.40	ng	0.00

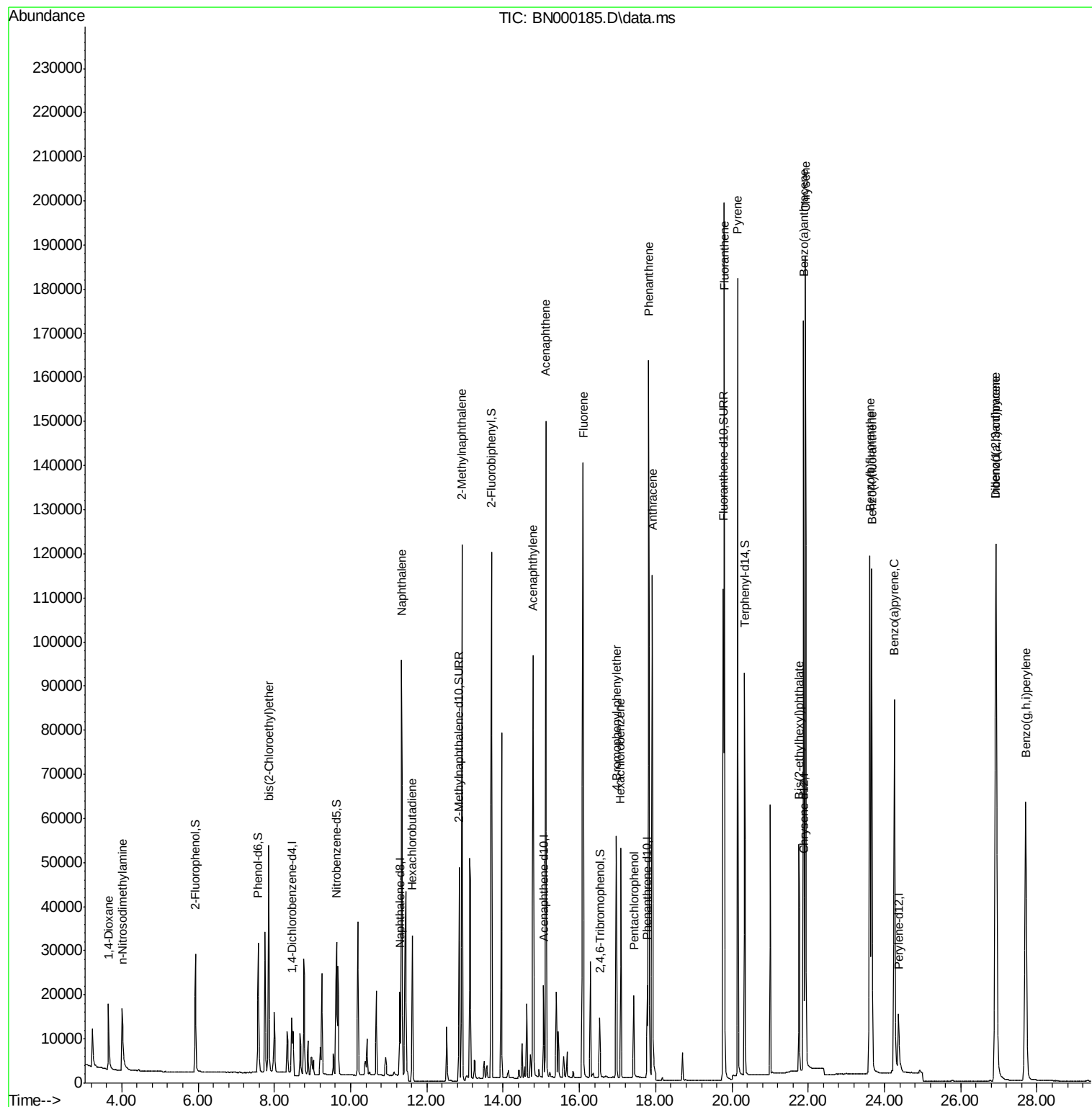
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.929	112	24741	1.35	ng	0.00
5) Phenol-d6	7.580	99	31877	1.25	ng	0.00
8) Nitrobenzene-d5	9.627	82	25805	0.97	ng	0.00
11) 2-Methylnaphthalene-d10	12.849	152	64264	1.49	ng	0.00
14) 2,4,6-Tribromophenol	16.533	330	7832	1.69	ng	0.00
15) 2-Fluorobiphenyl	13.692	172	100577	1.74	ng	0.00
25) Fluoranthene-d10	19.772	212	122867	0.35	ng	0.00
29) Terphenyl-d14	20.335	244	76652	1.48	ng	0.00

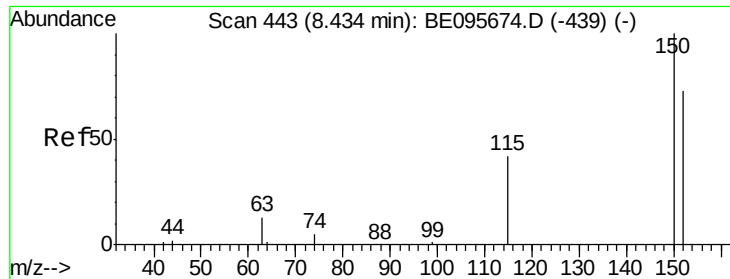
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.653	88	13357	1.22	ng	# 74
3) n-Nitrosodimethylamine	4.013	42	10308	0.76	ng	# 73
6) bis(2-Chloroethyl)ether	7.853	93	39518	1.51	ng	# 1
9) Naphthalene	11.338	128	123888	0.42	ng	# 73
10) Hexachlorobutadiene	11.618	225	21128	1.22	ng	97
12) 2-Methylnaphthalene	12.920	142	82567	1.61	ng	99
16) Acenaphthylene	14.782	152	108740	1.50	ng	100
17) Acenaphthene	15.126	154	81756	1.80	ng	99
18) Fluorene	16.097	166	101169	1.79	ng	# 80
20) 4-Bromophenyl-phenylether	16.968	248	27451	1.61	ng	# 85
21) Hexachlorobenzene	17.085	284	35749	2.03	ng	# 78
22) Pentachlorophenol	17.426	266	9536	2.34	ng	# 70
23) Phenanthrene	17.819	178	160296	1.89	ng	99
24) Anthracene	17.914	178	128382	1.65	ng	96
26) Fluoranthene	19.797	202	175300	1.68	ng	# 96
28) Pyrene	20.154	202	172240	1.62	ng	100
30) Benzo(a)anthracene	21.875	228	140203	1.65	ng	96
31) Chrysene	21.928	228	156512	1.85	ng	99
32) Bis(2-ethylhexyl)phtha...	21.758	149	50189	0.33	ng	# 49
33) Indeno(1,2,3-cd)pyrene	26.917	276	145410	1.78	ng	# 89
35) Benzo(b)fluoranthene	23.614	252	152062	2.19	ng	# 93
36) Benzo(k)fluoranthene	23.662	252	153226	2.22	ng	# 92
37) Benzo(a)pyrene	24.261	252	128950	2.06	ng	95
38) Dibenzo(a,h)anthracene	26.931	278	116575	2.09	ng	# 92
39) Benzo(g,h,i)perylene	27.701	276	126442	2.12	ng	# 87

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

Data Path : Z:\HPCHEM1\BNA N\Data\BN022718\
Data File : BN000185.D
Acq On : 27 Feb 2018 11:34
Operator : JU/SJ
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 27 12:04:04 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BN022718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 27 11:40:45 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 8.460 min Scan# 635

Delta R.T. -0.000 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

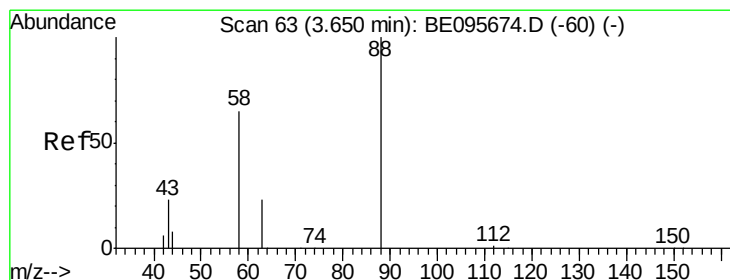
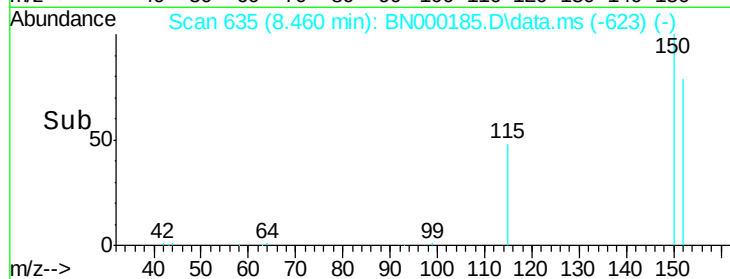
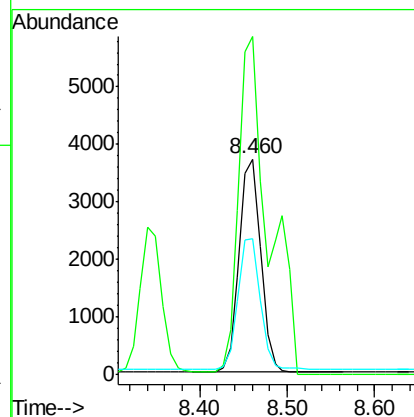
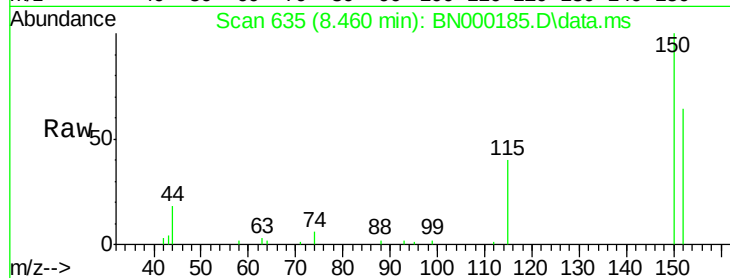
Tot Ion:152 Resp: 6967

Ion Ratio Lower Upper

152 100

150 156.9 117.2 175.8

115 63.3 57.0 85.6



#2

1,4-Dioxane

Concen: 1.22 ng

RT: 3.653 min Scan# 73

Delta R.T. -0.009 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

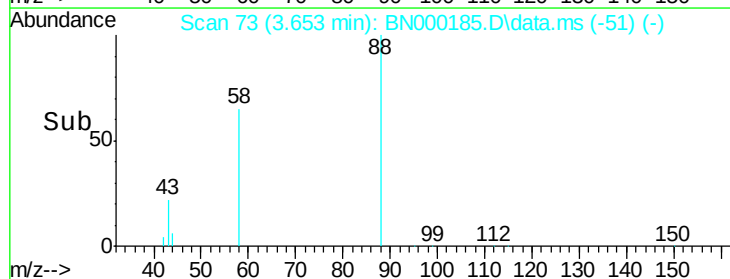
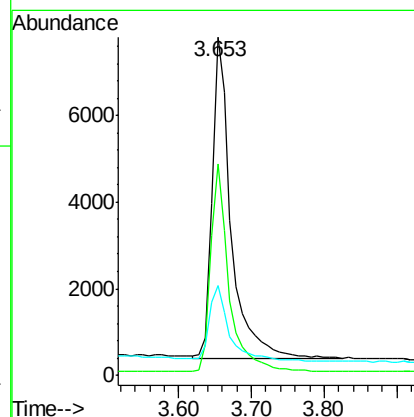
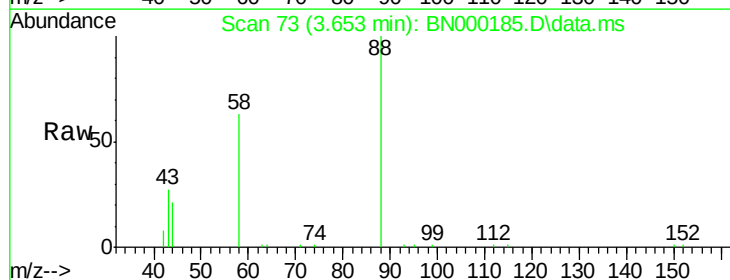
Tgt Ion: 88 Resp: 13357

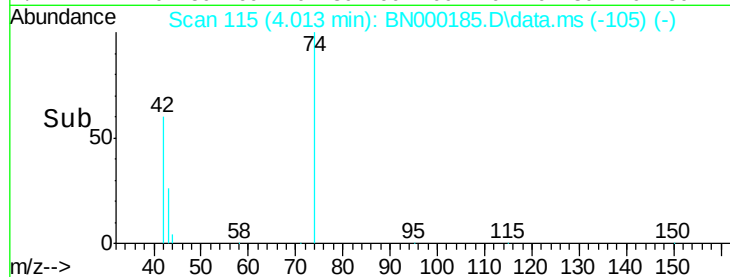
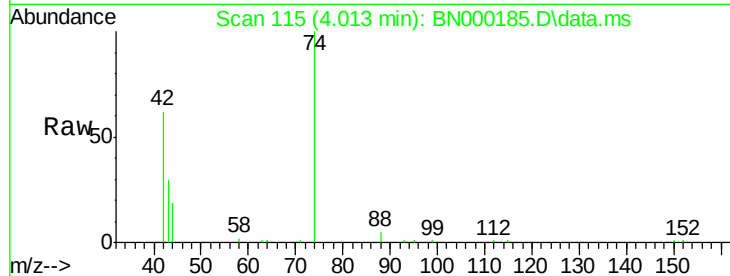
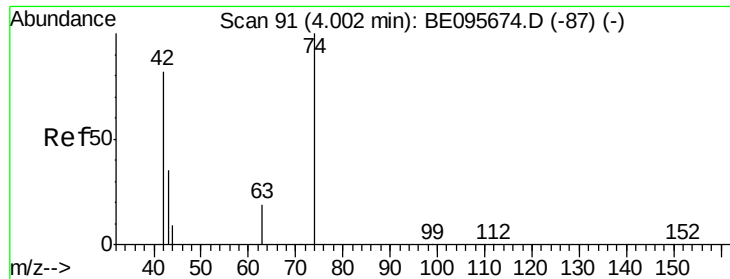
Ion Ratio Lower Upper

88 100

58 62.8 63.2 94.8#

43 25.5 41.2 61.8#





#3

n-Nitrosodimethylamine

Concen: 0.76 ng

RT: 4.013 min Scan# 115

Delta R.T. -0.017 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

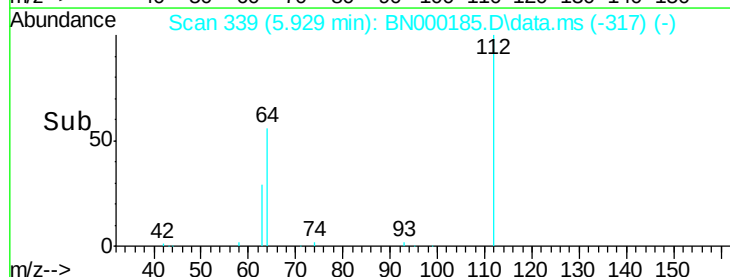
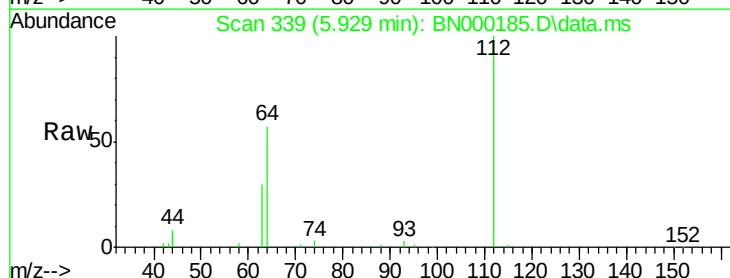
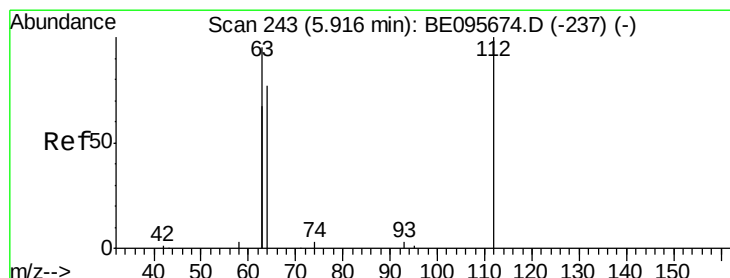
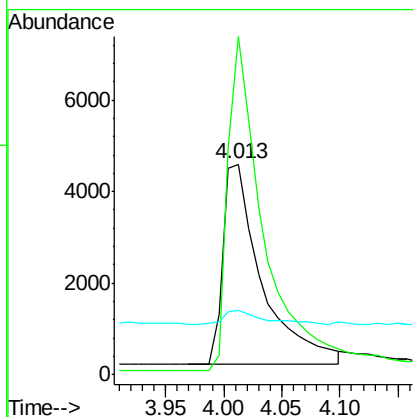
Tot Ion: 42 Resp: 10308

Ion Ratio Lower Upper

42 100

74 151.4 96.0 144.0#

44 7.3 12.0 18.0#



#4

2-Fluorophenol

Concen: 1.35 ng

RT: 5.929 min Scan# 339

Delta R.T. -0.009 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

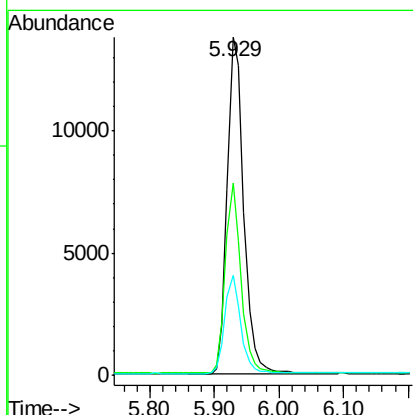
Tgt Ion: 112 Resp: 24741

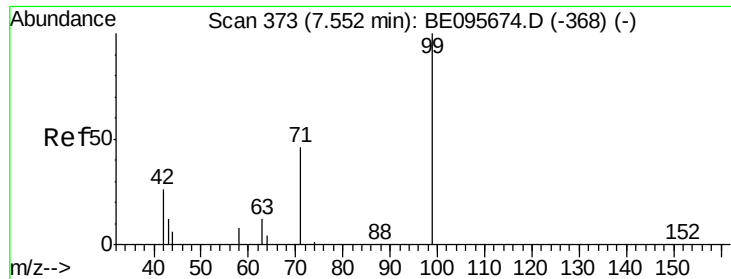
Ion Ratio Lower Upper

112 100

64 53.8 60.1 90.1#

63 28.0 116.8 175.2#





#5

Phenol-d6

Concen: 1.25 ng

RT: 7.580 min Scan# 532

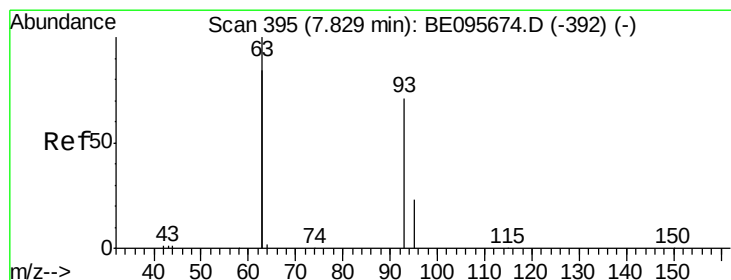
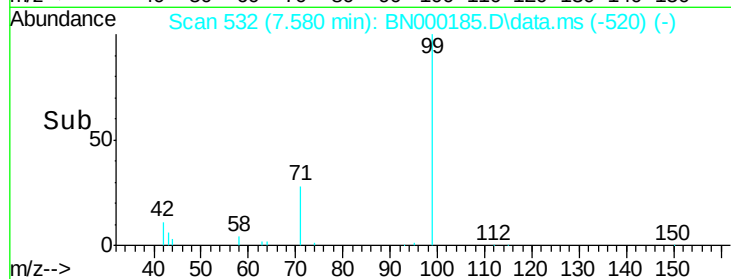
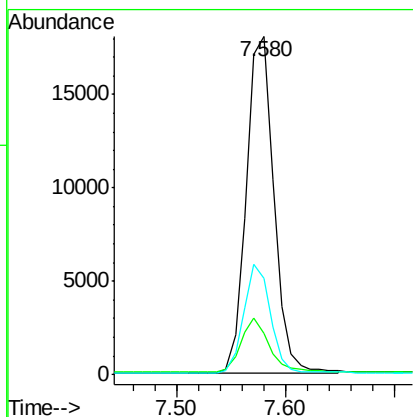
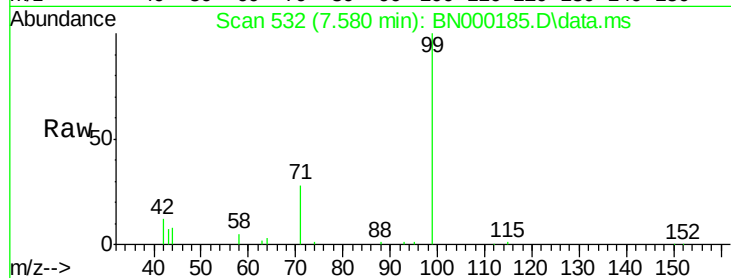
Delta R.T. -0.000 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

Tot Ion: 99 Resp: 31877

Ion	Ratio	Lower	Upper
99	100		
42	15.9	20.2	30.2#
71	31.4	28.4	42.6



#6

bis(2-Chloroethyl)ether

Concen: 1.51 ng

RT: 7.853 min Scan# 564

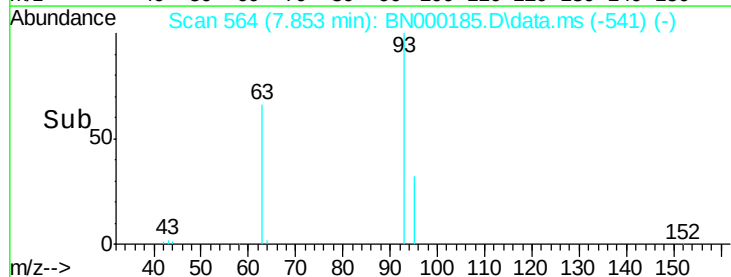
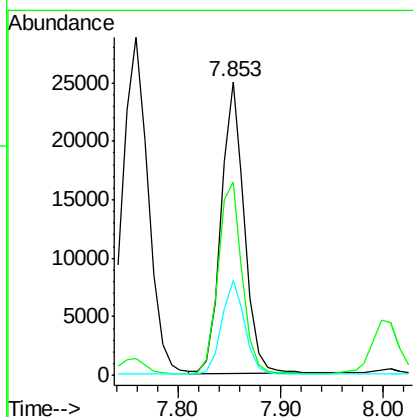
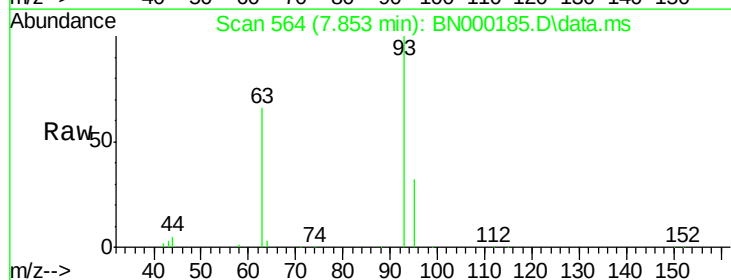
Delta R.T. -0.000 min

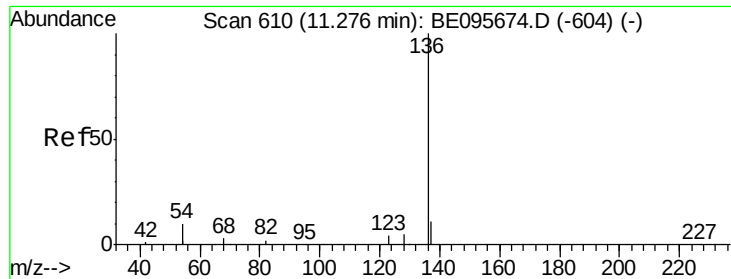
Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

Tgt Ion: 93 Resp: 39518

Ion	Ratio	Lower	Upper
93	100		
63	68.7	275.3	412.9#
95	32.3	25.2	37.8





#7

Naphthalene-d8

Concen: 0.40 ng

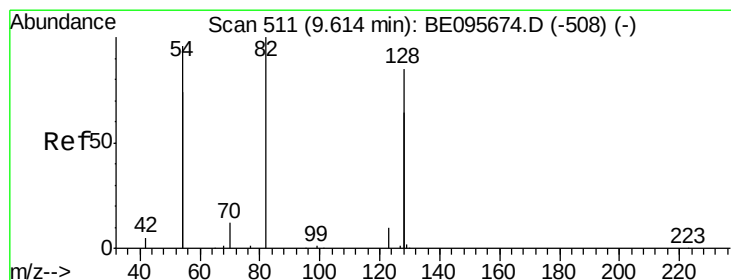
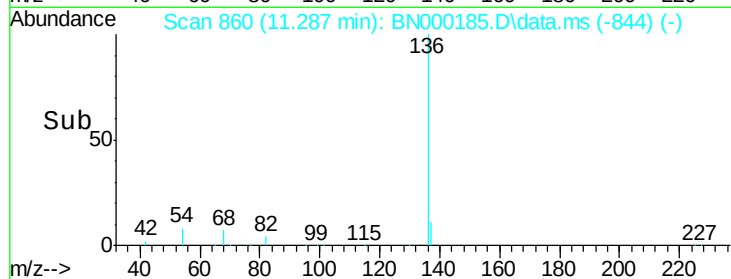
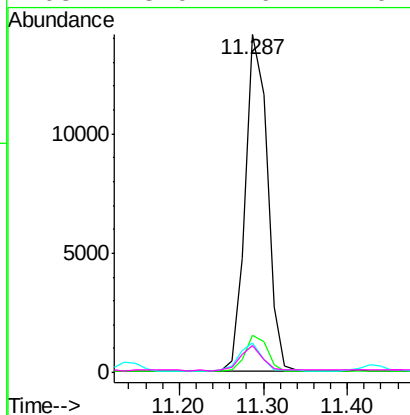
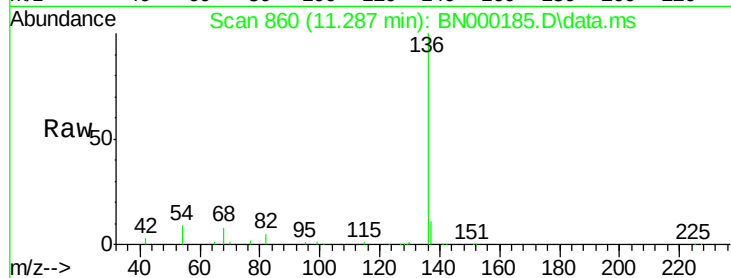
RT: 11.287 min Scan# 860

Delta R.T. -0.000 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

Tot Ion:136	Resp:	25790
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.5 14.3
54	8.9	29.1 43.7#
68	8.0	6.2 9.2



#8

Nitrobenzene-d5

Concen: 0.97 ng

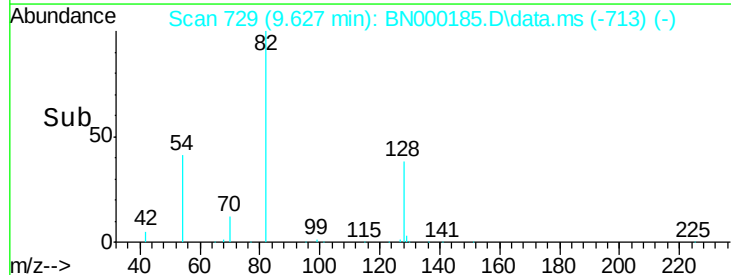
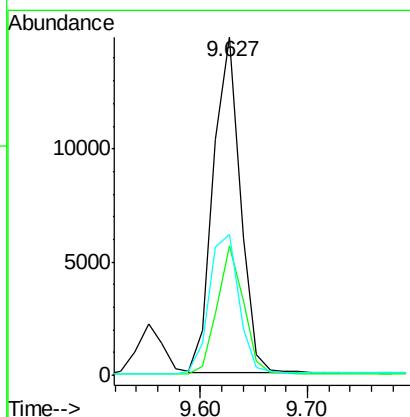
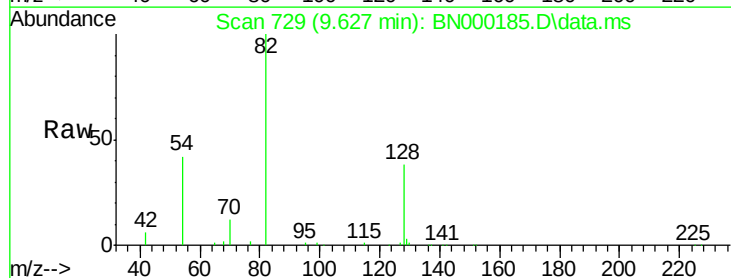
RT: 9.627 min Scan# 729

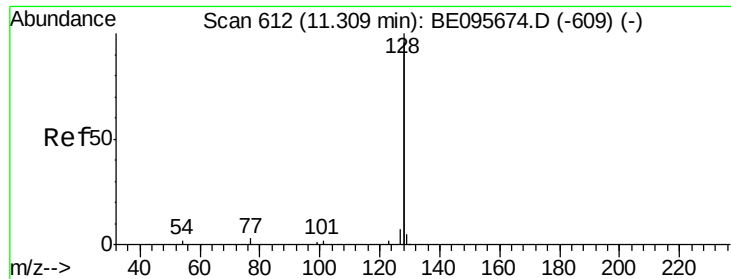
Delta R.T. -0.000 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

Tgt Ion: 82	Resp:	25805
Ion Ratio	Lower	Upper
82	100	
128	38.1	150.0 225.0#
54	41.7	154.2 231.4#





#9

Naphthalene

Concen: 0.42 ng

RT: 11.338 min Scan# 864

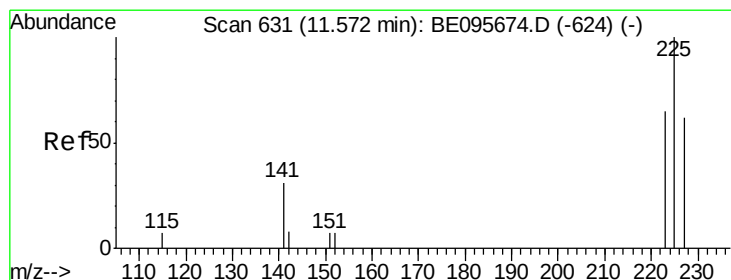
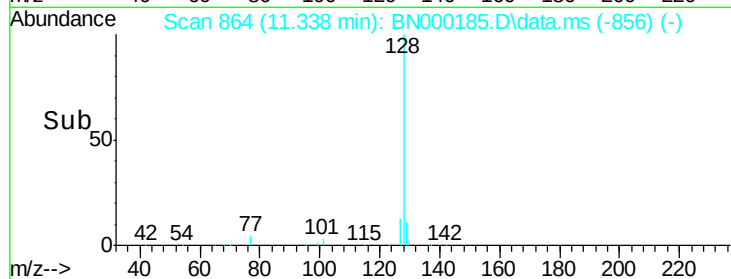
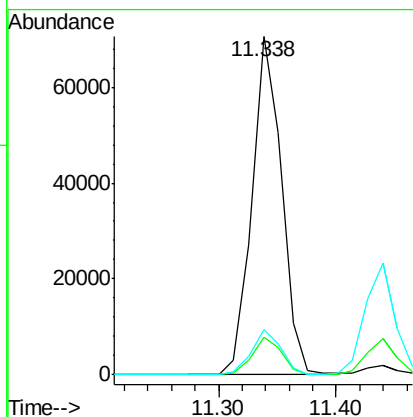
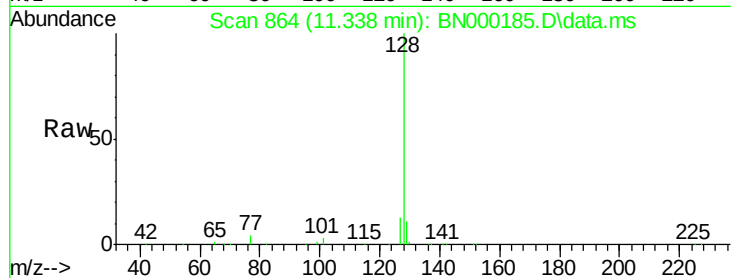
Delta R.T. -0.000 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

Tot Ion:128 Resp: 123888

Ion	Ratio	Lower	Upper
128	100		
129	10.9	2.6	3.8#
127	13.3	2.8	4.2#



#10

Hexachlorobutadiene

Concen: 1.22 ng

RT: 11.618 min Scan# 901

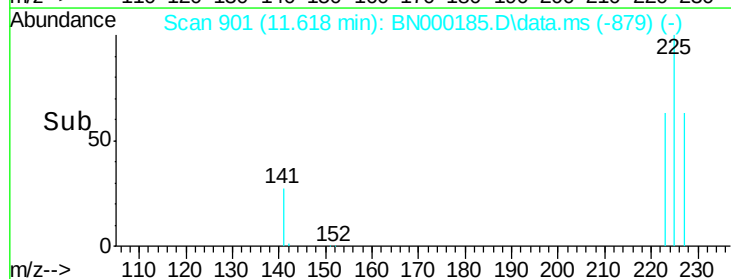
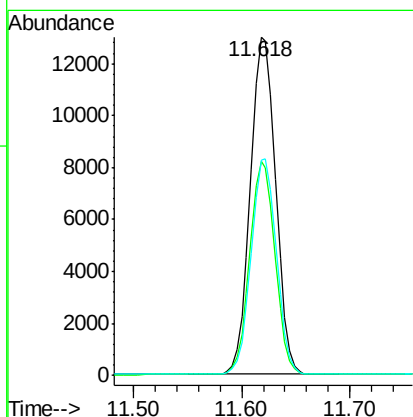
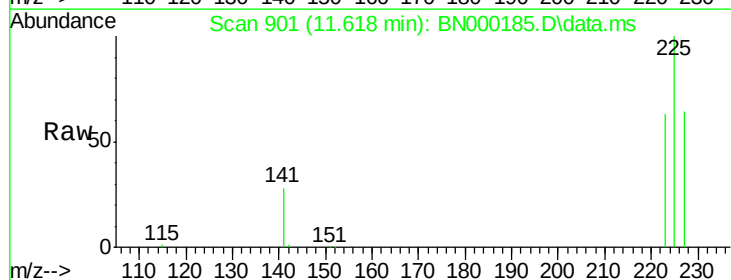
Delta R.T. -0.000 min

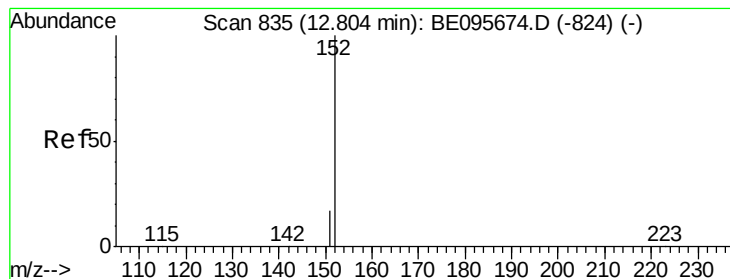
Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

Tgt Ion:225 Resp: 21128

Ion	Ratio	Lower	Upper
225	100		
223	62.8	53.0	79.6
227	63.7	51.4	77.2





#11

2-Methylnaphthalene-d10

Concen: 1.49 ng

RT: 12.849 min Scan# 1178

Delta R.T. -0.000 min

Lab File: BN000185.D

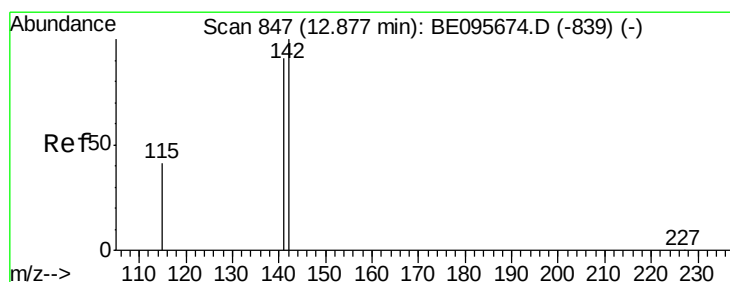
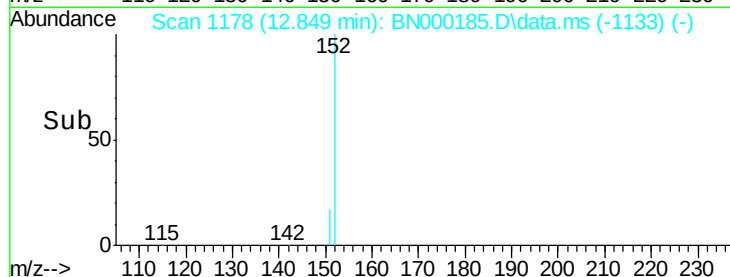
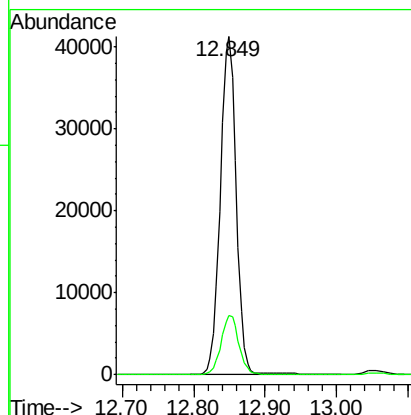
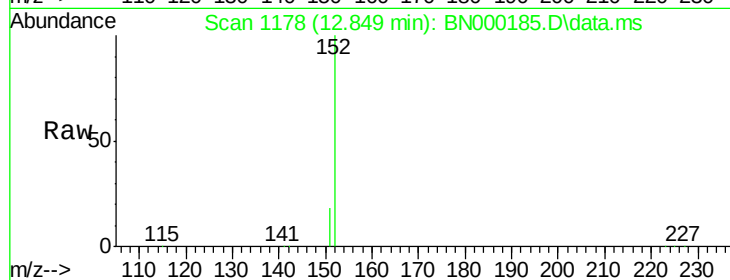
Acq: 27 Feb 2018 11:34

Tot Ion:152 Resp: 64264

Ion Ratio Lower Upper

152 100

151 19.3 15.4 23.0



#12

2-Methylnaphthalene

Concen: 1.61 ng

RT: 12.920 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

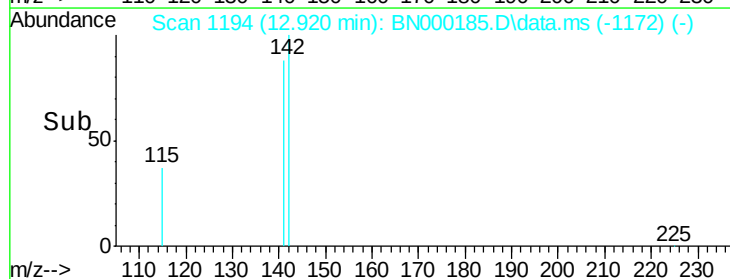
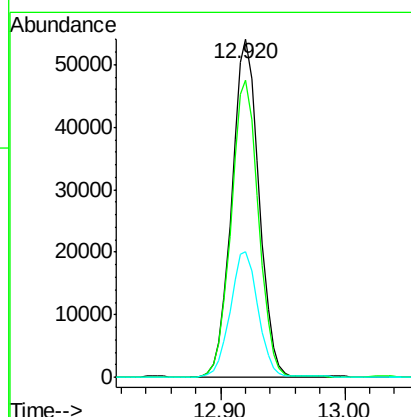
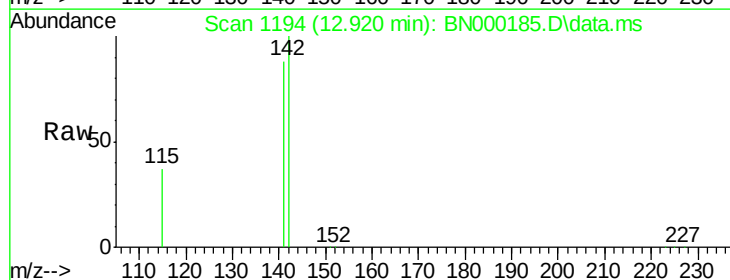
Tgt Ion:142 Resp: 82567

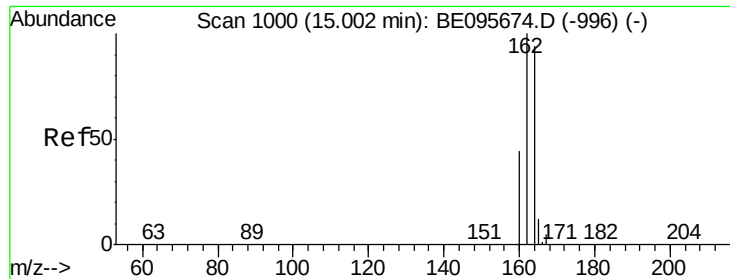
Ion Ratio Lower Upper

142 100

141 87.9 70.4 105.6

115 37.3 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 15.055 min Scan# 1416

Delta R.T. -0.000 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

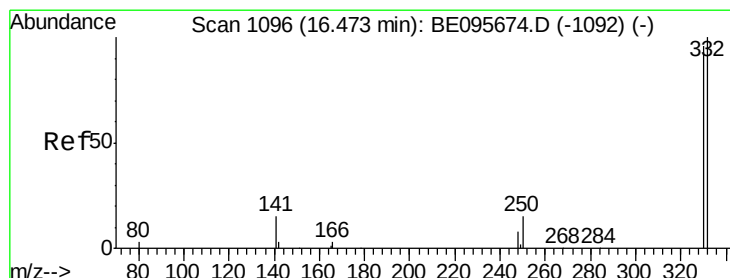
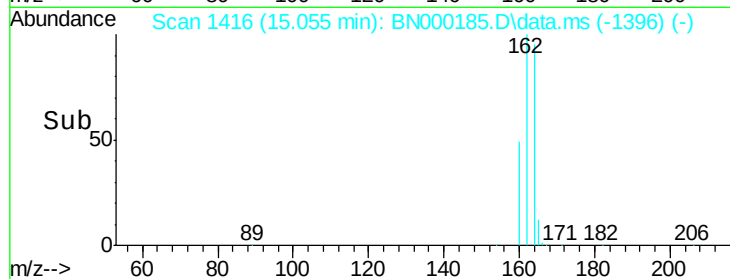
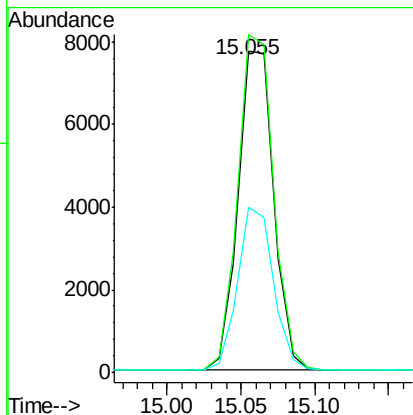
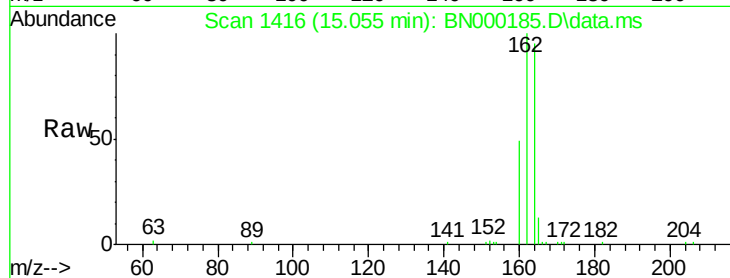
Tot Ion:164 Resp: 12911

Ion Ratio Lower Upper

164 100

162 105.1 83.1 124.7

160 51.3 37.1 55.7



#14

2,4,6-Tribromophenol

Concen: 1.69 ng

RT: 16.533 min Scan# 1559

Delta R.T. -0.000 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

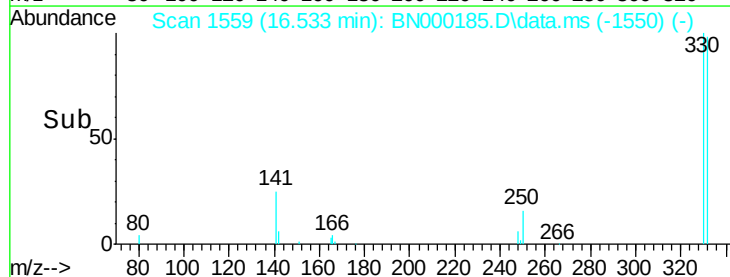
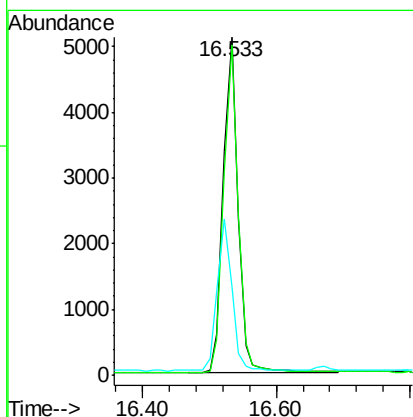
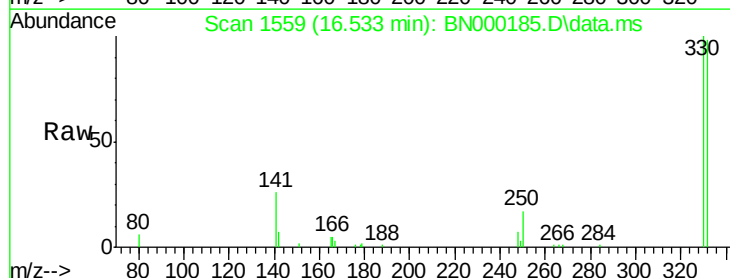
Tgt Ion:330 Resp: 7832

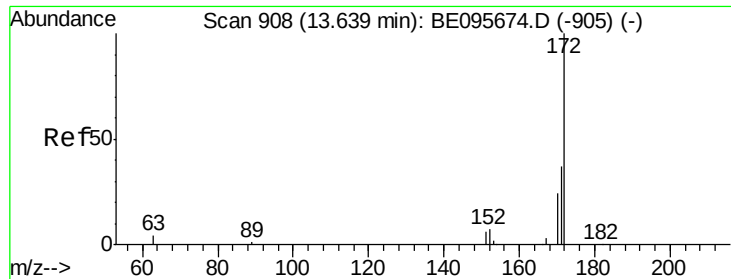
Ion Ratio Lower Upper

330 100

332 96.4 152.7 229.1#

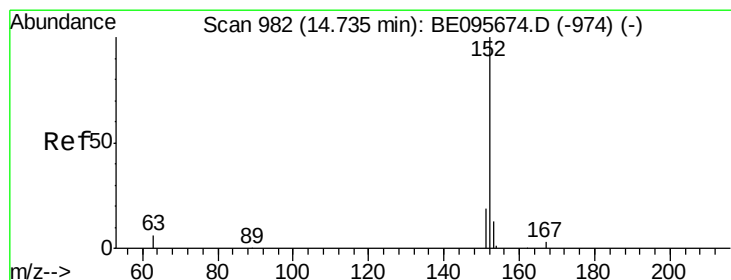
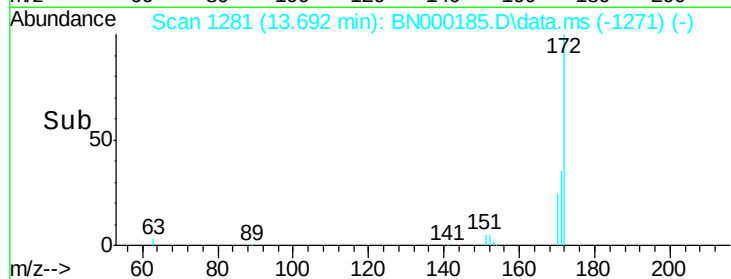
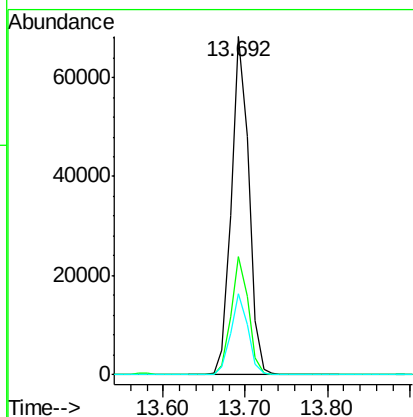
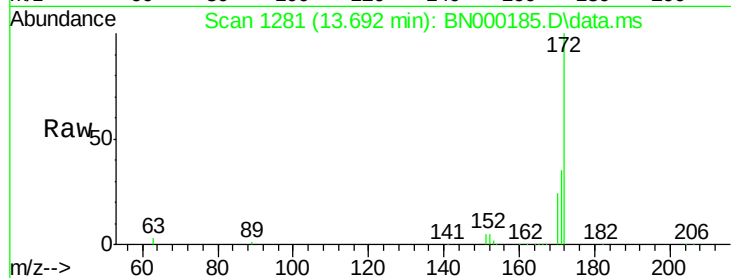
141 43.9 33.7 50.5





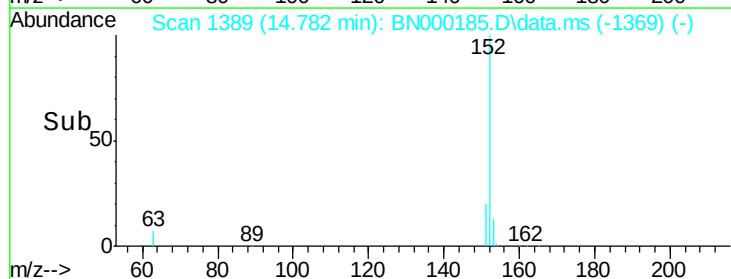
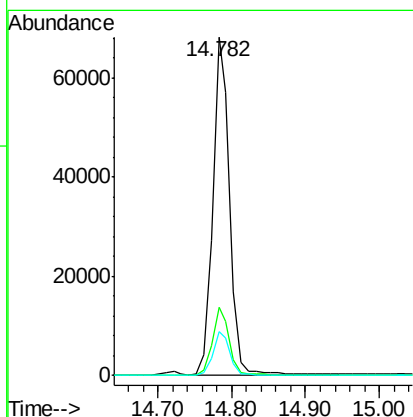
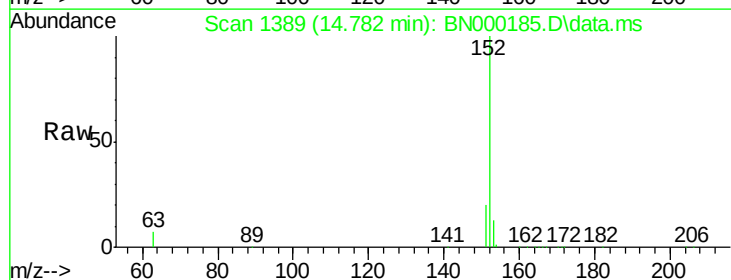
#15
2-Fluorobiphenyl
Concen: 1.74 ng
RT: 13.692 min Scan# 1281
Delta R.T. -0.000 min
Lab File: BN000185.D
Acq: 27 Feb 2018 11:34

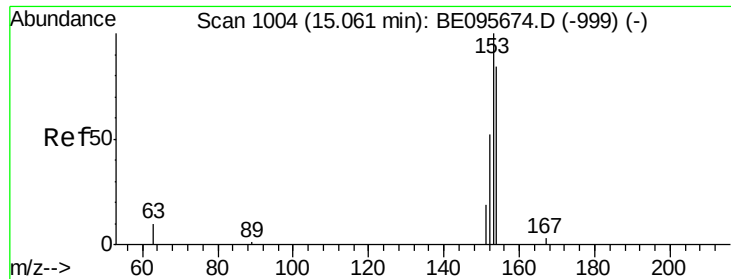
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.9	44.9
170	23.7	21.8	32.8



#16
Acenaphthylene
Concen: 1.50 ng
RT: 14.782 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BN000185.D
Acq: 27 Feb 2018 11:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	13.0	10.5	15.7





#17

Acenaphthene

Concen: 1.80 ng

RT: 15.126 min Scan# 1423

Delta R.T. -0.000 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

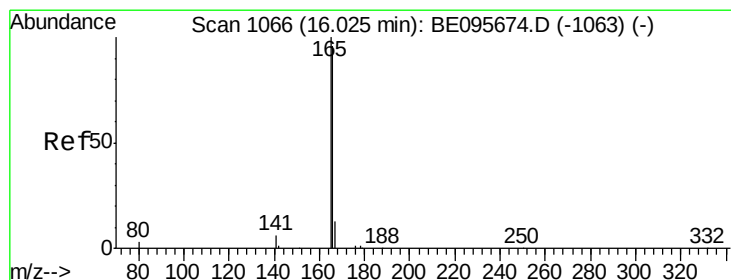
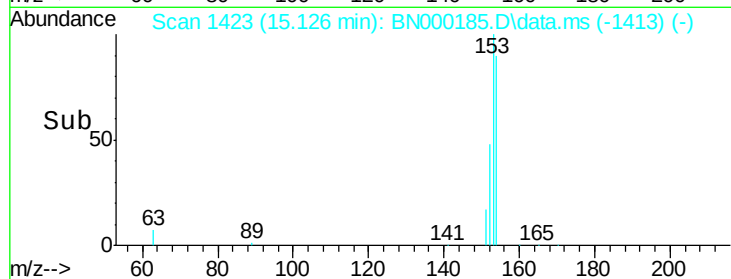
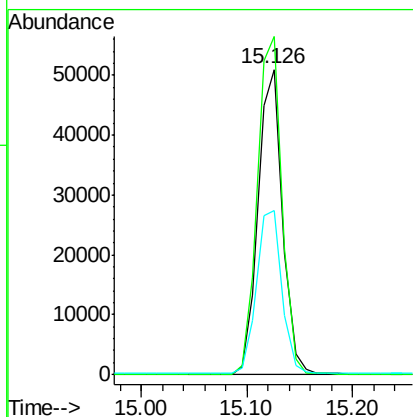
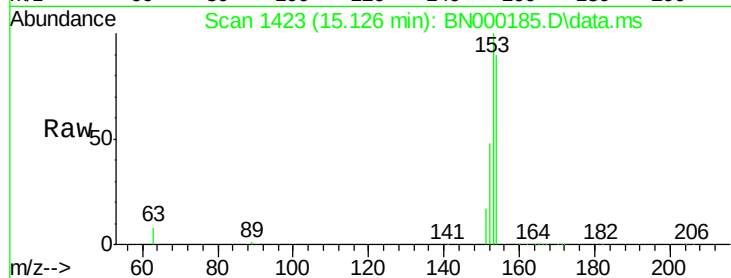
Tot Ion:154 Resp: 81756

Ion Ratio Lower Upper

154 100

153 111.5 89.2 133.8

152 55.6 42.0 63.0



#18

Fluorene

Concen: 1.79 ng

RT: 16.097 min Scan# 1518

Delta R.T. 0.010 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

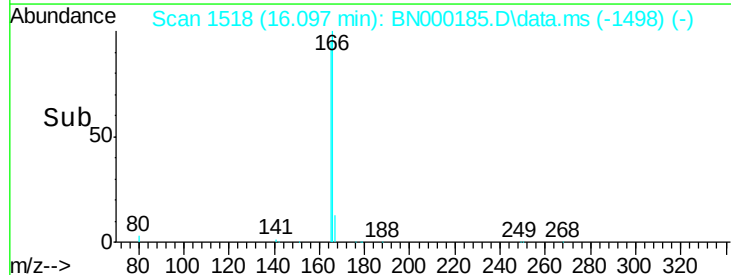
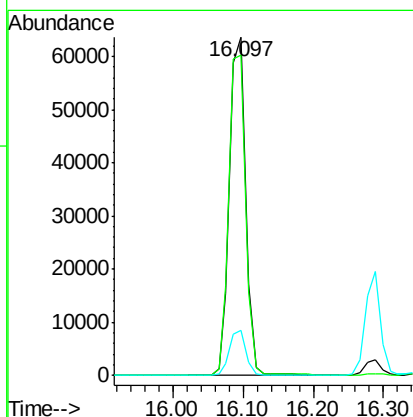
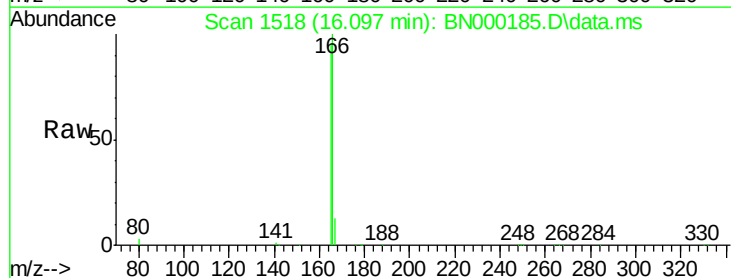
Tgt Ion:166 Resp: 101169

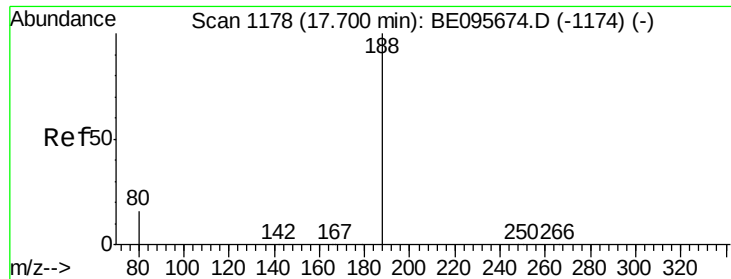
Ion Ratio Lower Upper

166 100

165 97.9 77.8 116.6

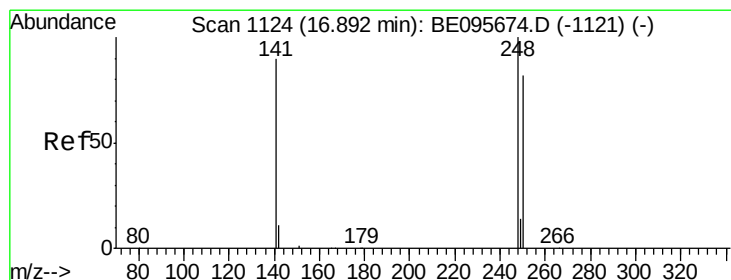
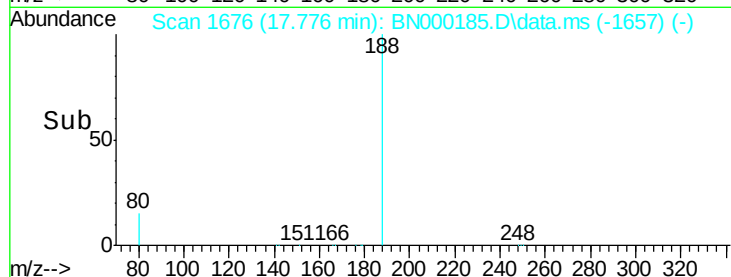
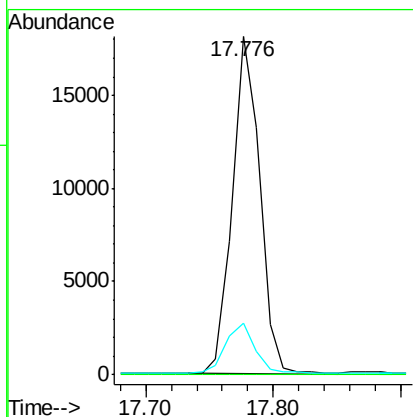
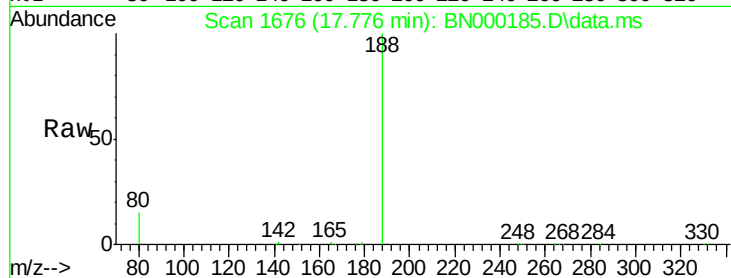
167 13.5 42.4 63.6#





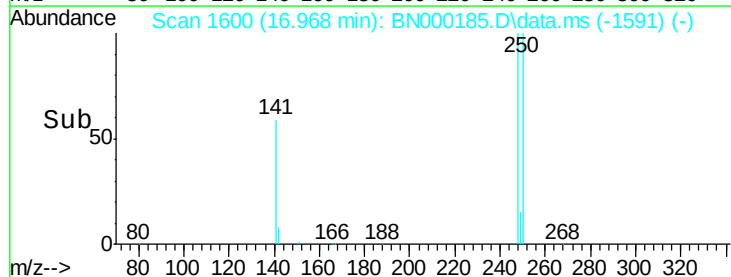
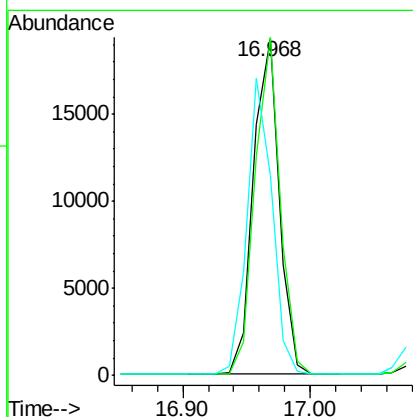
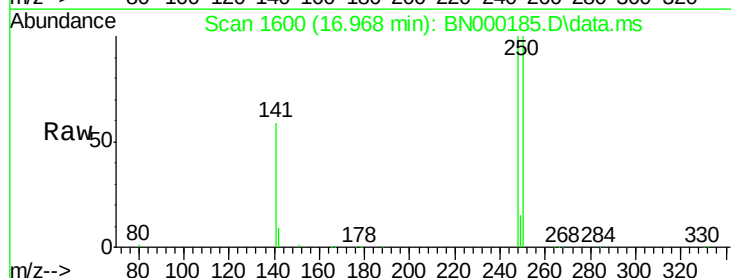
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.776 min Scan# 1676
Delta R.T. -0.000 min
Lab File: BN000185.D
Acq: 27 Feb 2018 11:34

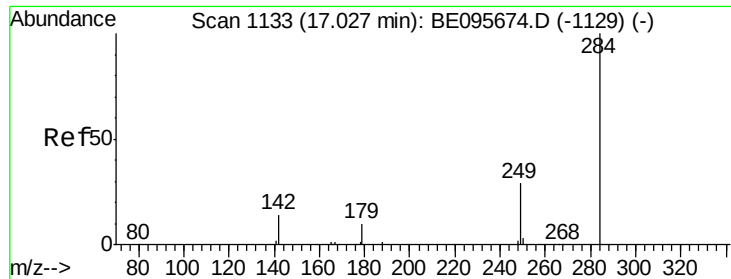
Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	15.2	3.6	5.4#



#20
4-Bromophenyl-phenylether
Concen: 1.61 ng
RT: 16.968 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN000185.D
Acq: 27 Feb 2018 11:34

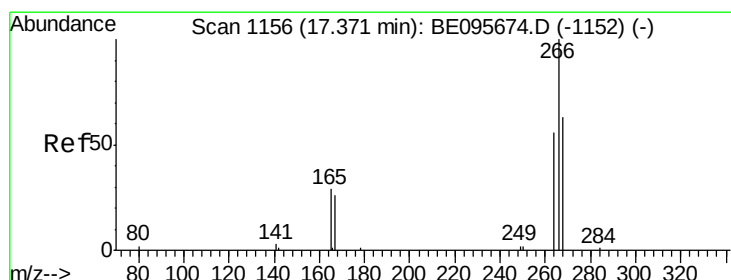
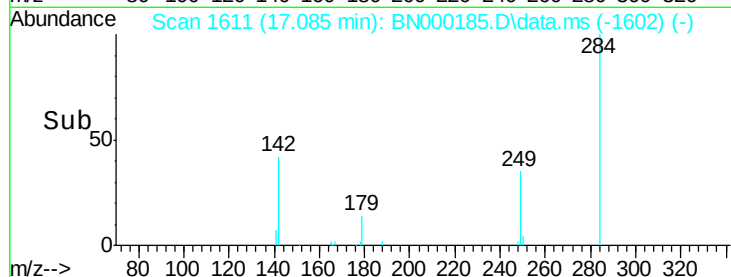
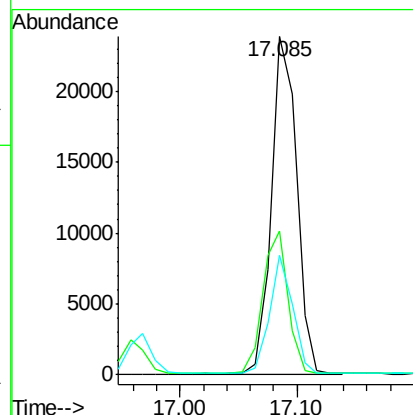
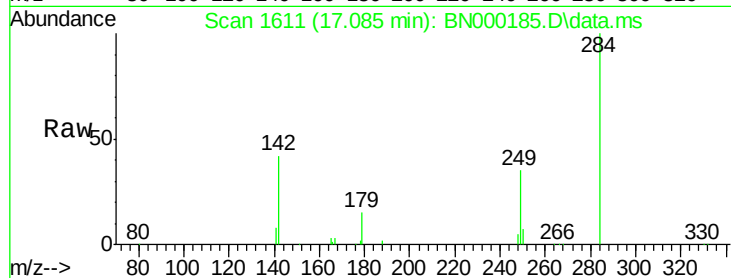
Tgt Ion	Ratio	Lower	Upper
248	100		
250	100.4	62.7	94.1#
141	59.3	48.2	72.2





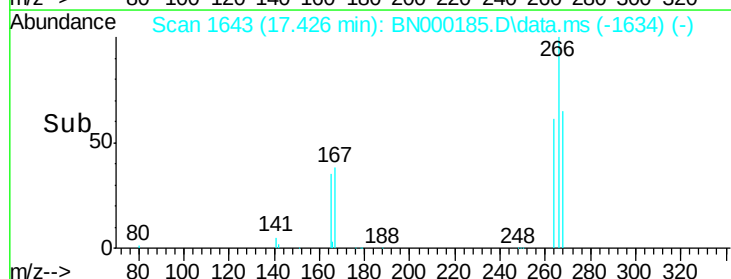
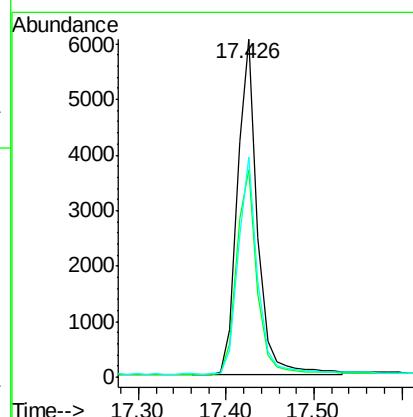
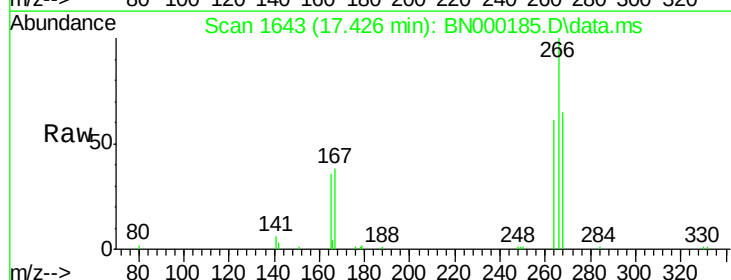
#21
Hexachlorobenzene
Concen: 2.03 ng
RT: 17.085 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BN000185.D
Acq: 27 Feb 2018 11:34

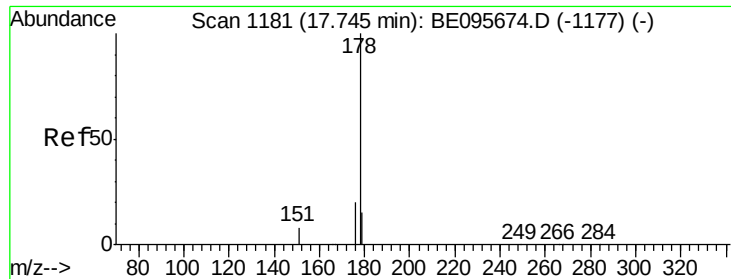
Tot Ion	Ratio	Lower	Upper
284	100		
142	42.2	22.1	33.1#
249	32.3	34.8	52.2#



#22
Pentachlorophenol
Concen: 2.34 ng
RT: 17.426 min Scan# 1643
Delta R.T. -0.000 min
Lab File: BN000185.D
Acq: 27 Feb 2018 11:34

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.4	72.5	108.7#
268	65.2	73.8	110.6#





#23

Phenanthrene

Concen: 1.89 ng

RT: 17.819 min Scan# 1680

Delta R.T. -0.000 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

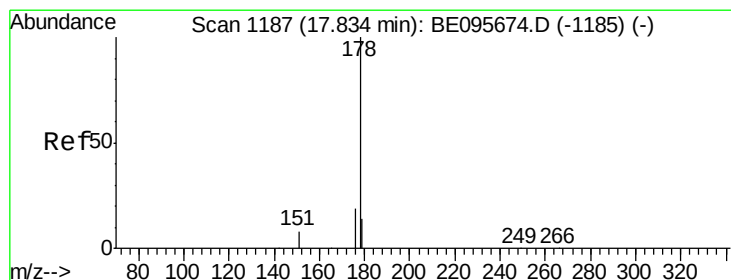
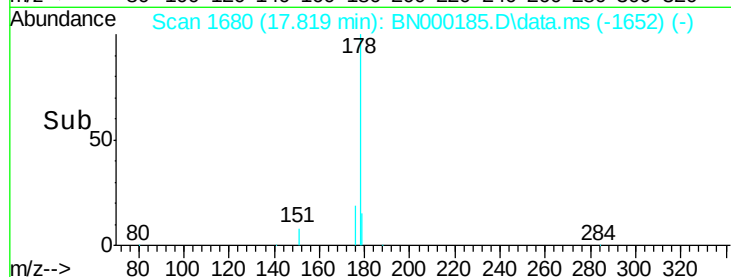
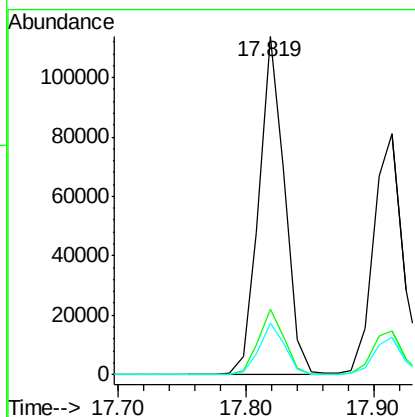
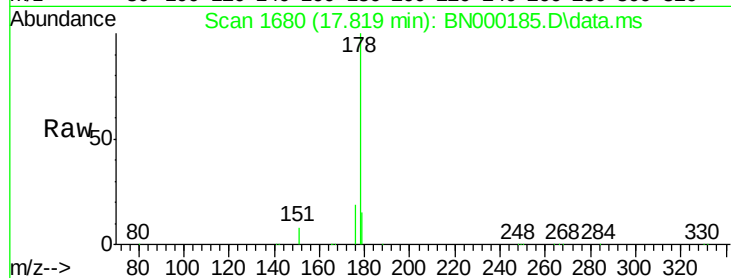
Tot Ion:178 Resp: 160296

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

179 15.3 11.8 17.6



#24

Anthracene

Concen: 1.65 ng

RT: 17.914 min Scan# 1689

Delta R.T. -0.000 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

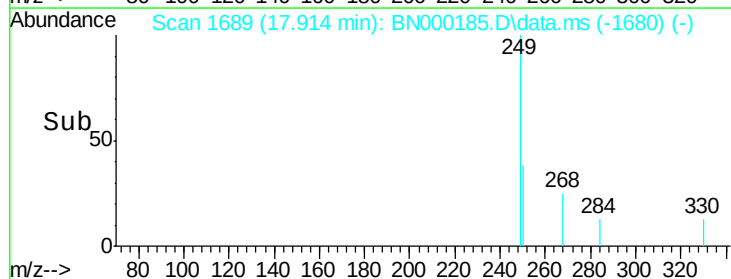
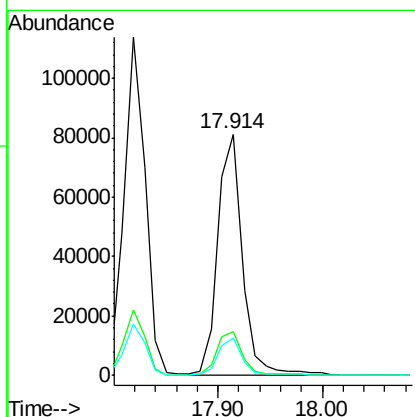
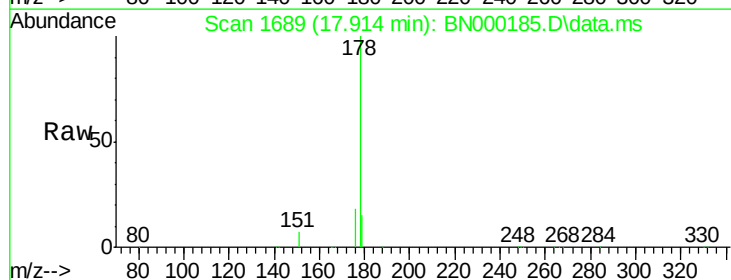
Tgt Ion:178 Resp: 128382

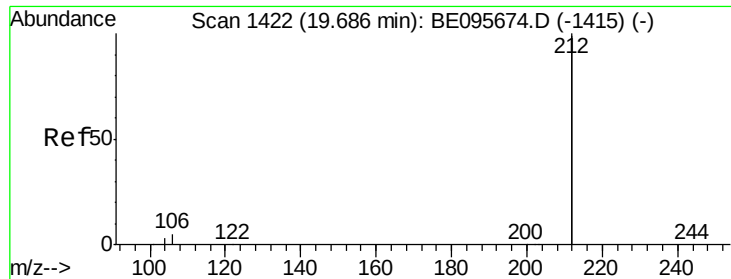
Ion Ratio Lower Upper

178 100

176 19.0 12.8 19.2

179 15.6 13.0 19.6





#25

Fluoranthene-d10

Concen: 0.35 ng

RT: 19.772 min Scan# 2053

Delta R.T. 0.005 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

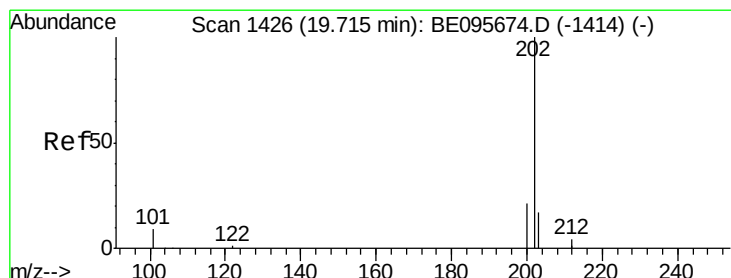
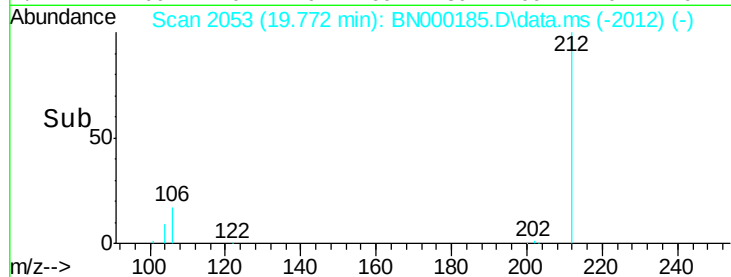
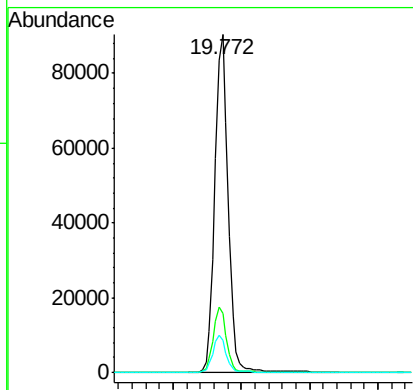
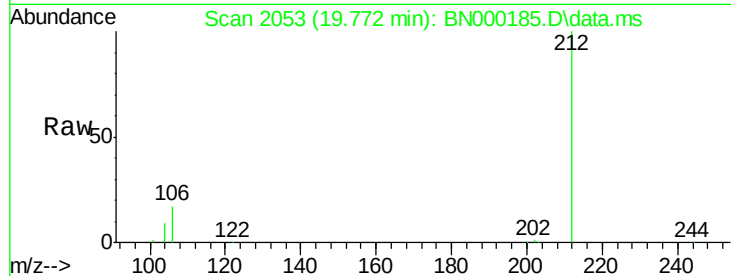
Tot Ion:212 Resp: 122867

Ion Ratio Lower Upper

212 100

106 19.3 2.8 4.2#

104 10.7 1.6 2.4#



#26

Fluoranthene

Concen: 1.68 ng

RT: 19.797 min Scan# 2058

Delta R.T. -0.000 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

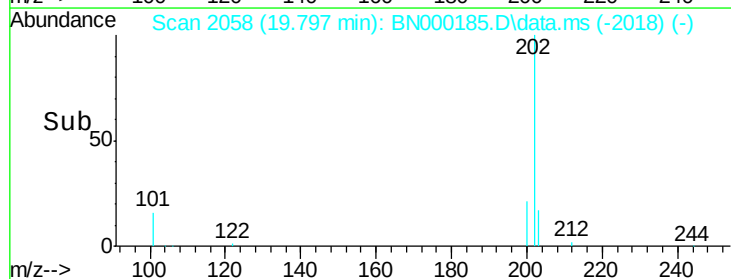
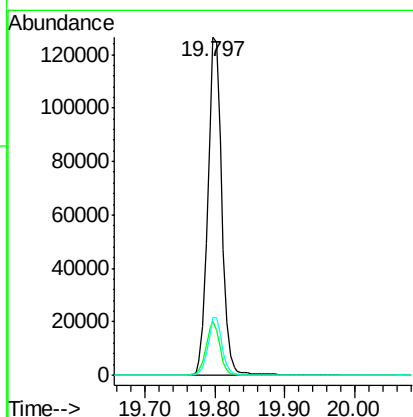
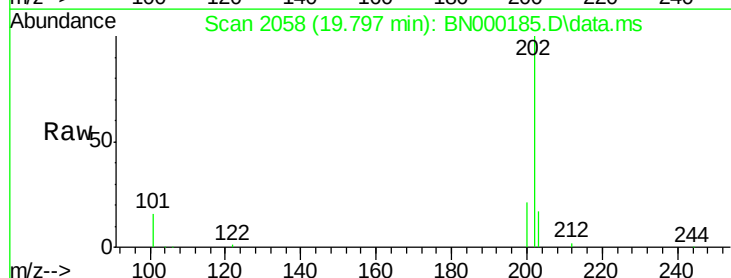
Tgt Ion:202 Resp: 175300

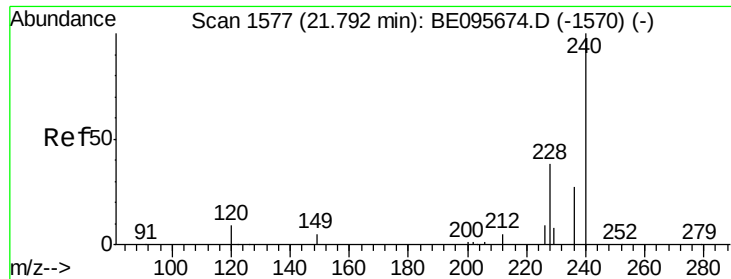
Ion Ratio Lower Upper

202 100

101 15.7 9.8 14.8#

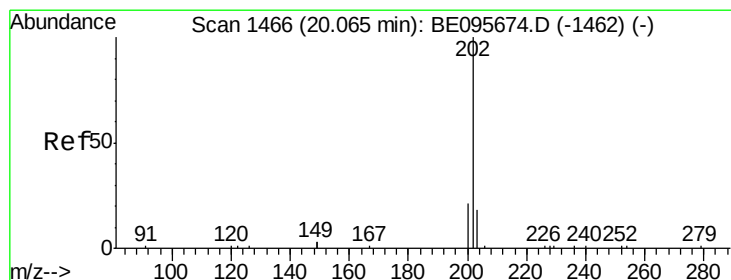
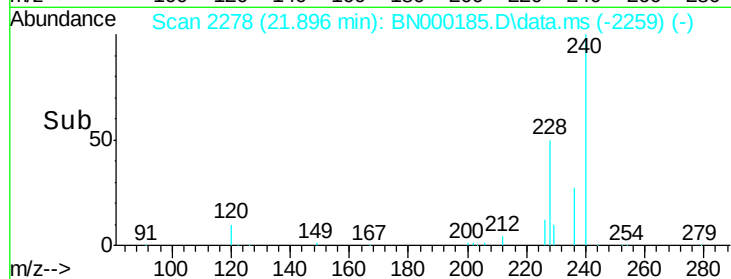
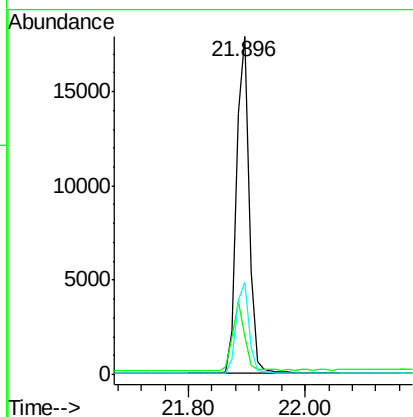
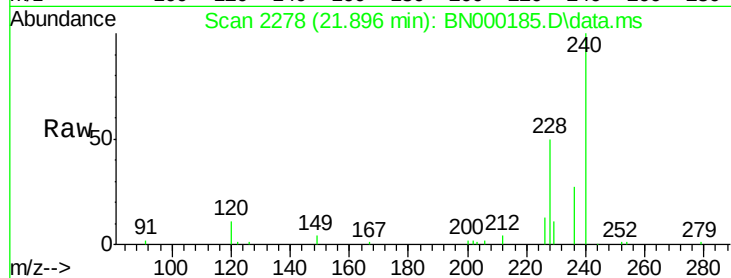
203 17.2 13.7 20.5





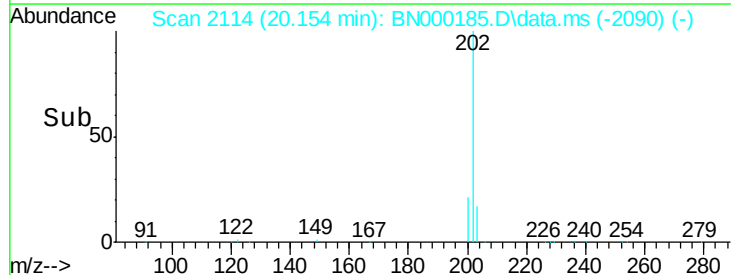
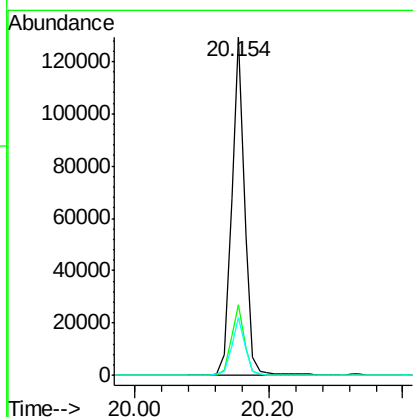
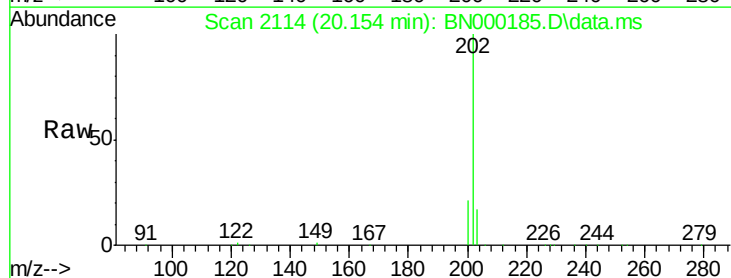
#27
 Chrysene-d12
 Concen: 0.40 ng
 RT: 21.896 min Scan# 2278
 Delta R.T. -0.000 min
 Lab File: BN000185.D
 Acq: 27 Feb 2018 11:34

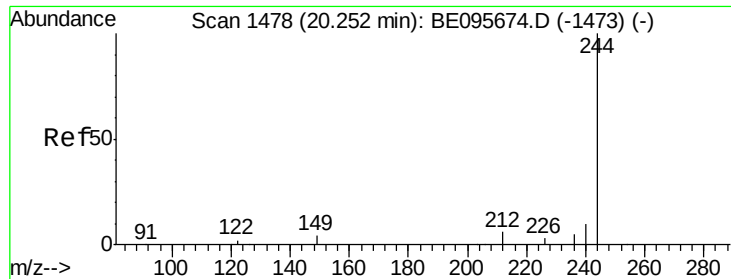
Tot Ion:240 Resp: 26040
 Ion Ratio Lower Upper
 240 100
 120 11.2 5.5 8.3#
 236 27.2 20.7 31.1



#28
 Pyrene
 Concen: 1.62 ng
 RT: 20.154 min Scan# 2114
 Delta R.T. -0.000 min
 Lab File: BN000185.D
 Acq: 27 Feb 2018 11:34

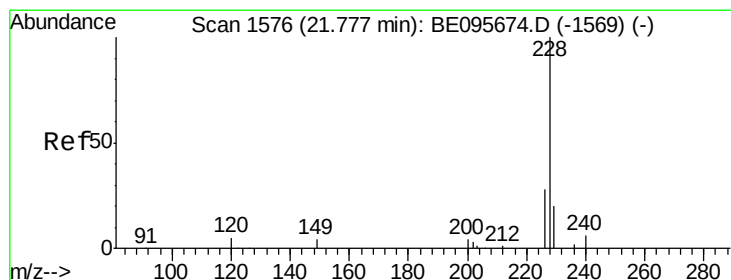
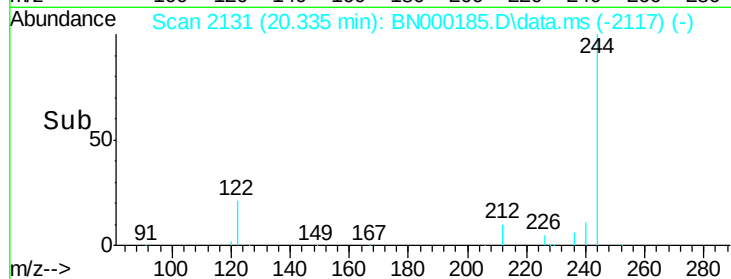
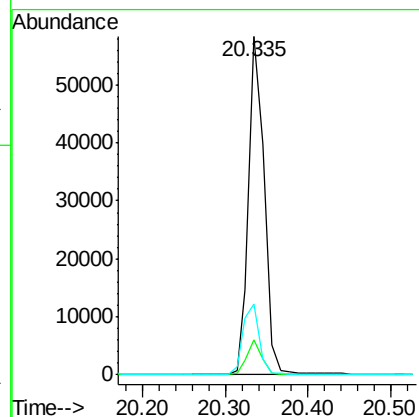
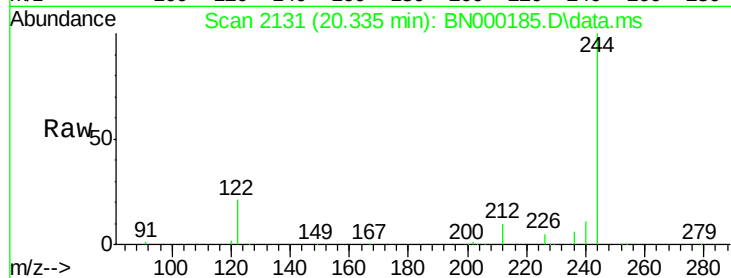
Tgt Ion:202 Resp: 172240
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.6 25.0
 203 17.3 13.8 20.8





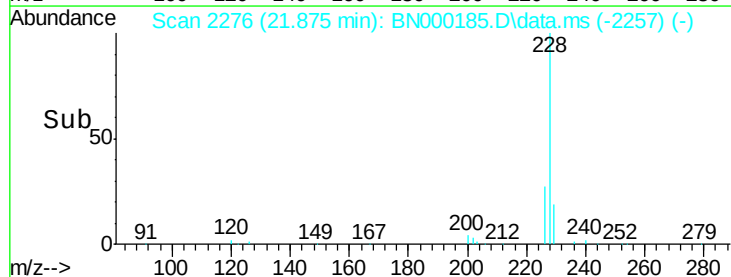
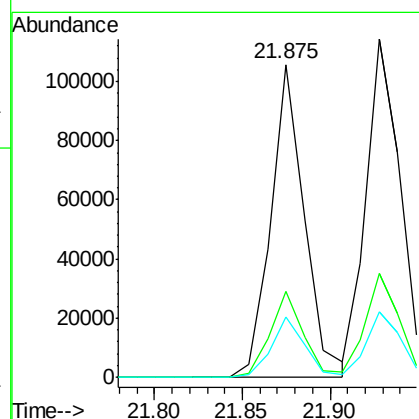
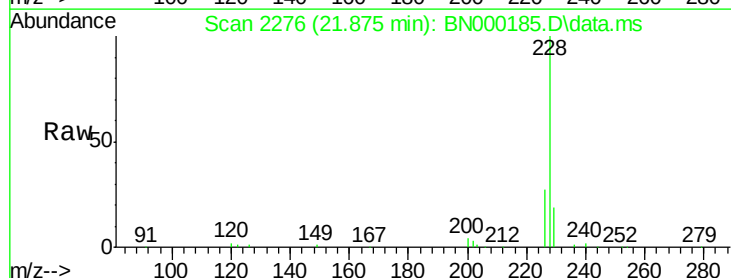
#29
 Terphenyl-d14
 Concen: 1.48 ng
 RT: 20.335 min Scan# 2131
 Delta R.T. -0.000 min
 Lab File: BN000185.D
 Acq: 27 Feb 2018 11:34

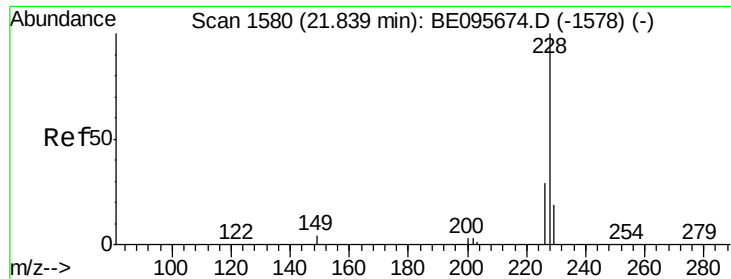
Tot Ion	Ratio	Lower	Upper
244	100		
212	10.2	25.4	38.0#
122	20.7	8.1	12.1#



#30
 Benzo(a)anthracene
 Concen: 1.65 ng
 RT: 21.875 min Scan# 2276
 Delta R.T. -0.000 min
 Lab File: BN000185.D
 Acq: 27 Feb 2018 11:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	24.0	36.0
229	19.2	16.0	24.0





#31

Chrysene

Concen: 1.85 ng

RT: 21.928 min Scan# 2281

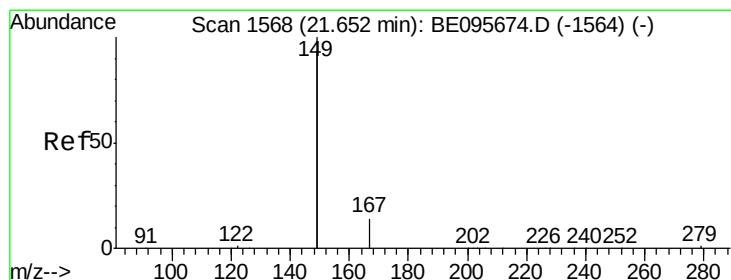
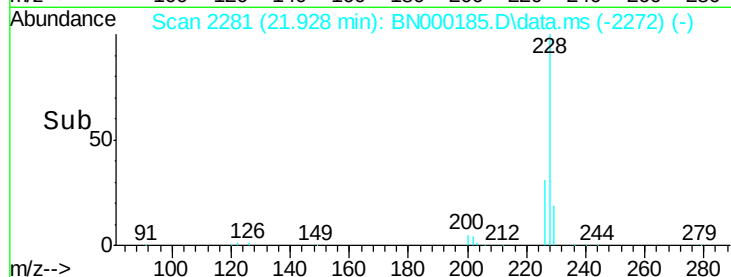
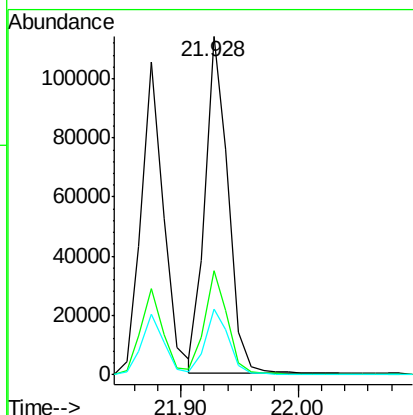
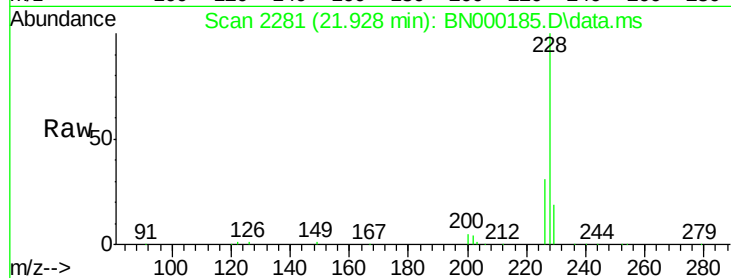
Delta R.T. -0.000 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

Tot Ion:228 Resp: 156512

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	19.2	16.0	24.0



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.33 ng

RT: 21.758 min Scan# 2265

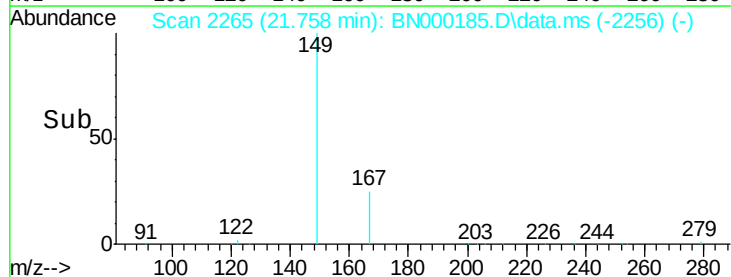
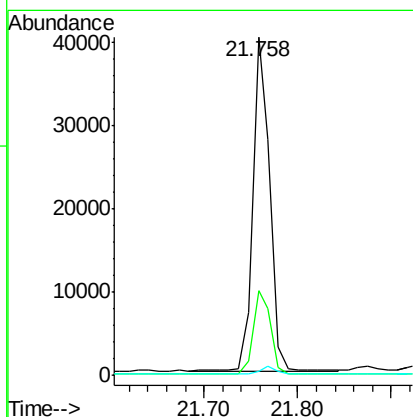
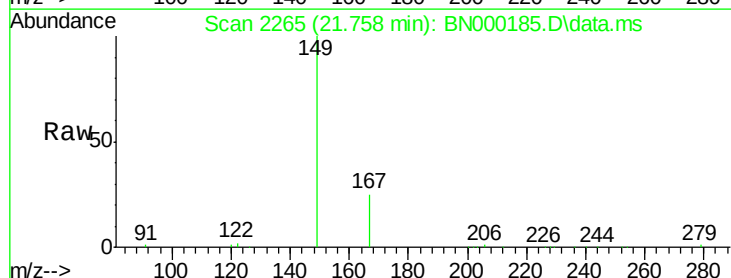
Delta R.T. -0.000 min

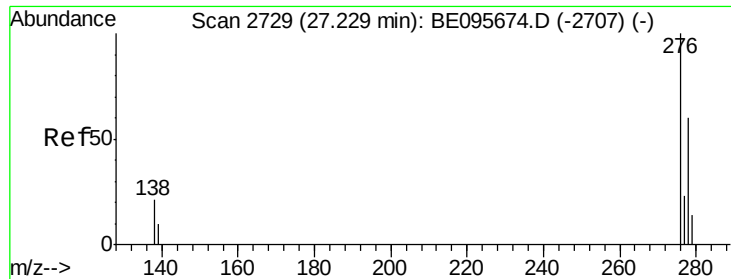
Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

Tgt Ion:149 Resp: 50189

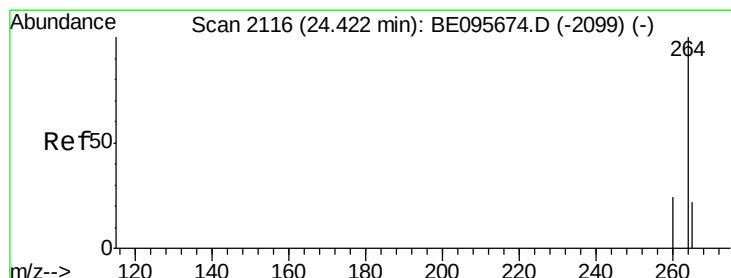
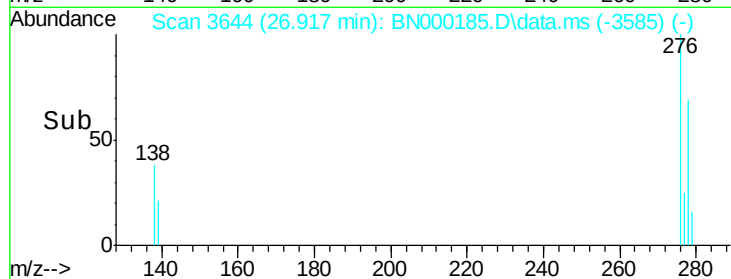
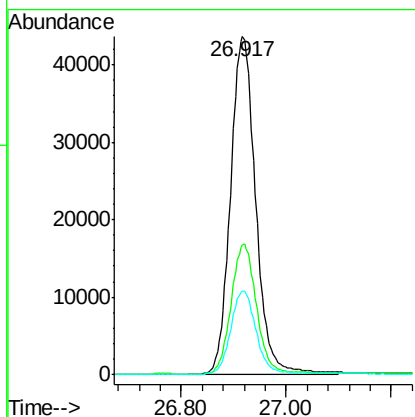
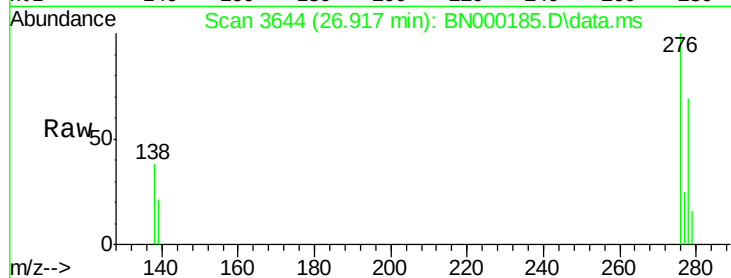
Ion	Ratio	Lower	Upper
149	100		
167	26.2	5.4	8.0#
279	2.4	0.7	1.1#





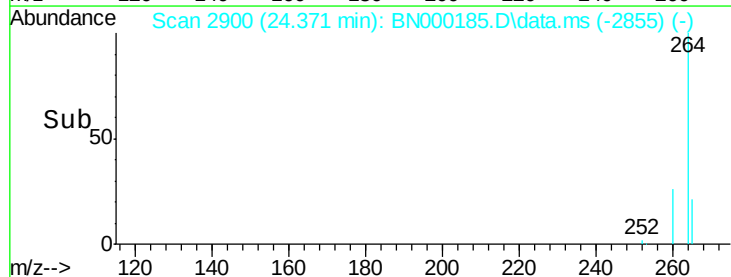
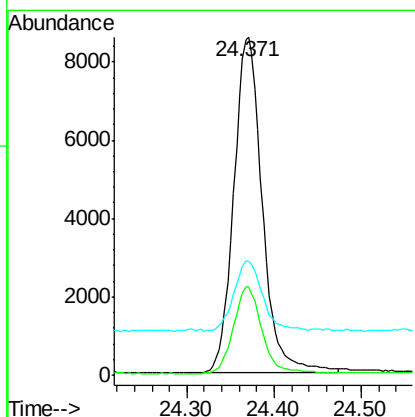
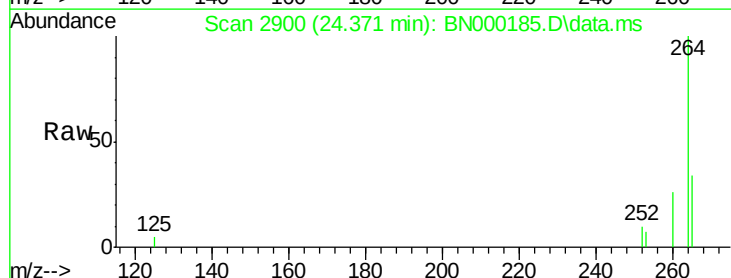
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.78 ng
 RT: 26.917 min Scan# 3644
 Delta R.T. 0.003 min
 Lab File: BN000185.D
 Acq: 27 Feb 2018 11:34

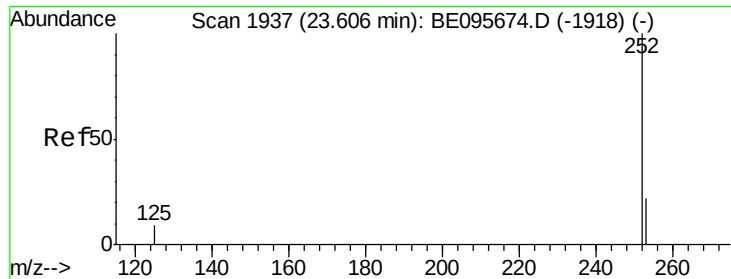
Tot Ion: 276 Resp: 145410
 Ion Ratio Lower Upper
 276 100
 138 39.0 22.5 33.7#
 277 24.9 19.9 29.9



#34
 Perylene-d12
 Concen: 0.40 ng
 RT: 24.371 min Scan# 2900
 Delta R.T. 0.003 min
 Lab File: BN000185.D
 Acq: 27 Feb 2018 11:34

Tgt Ion: 264 Resp: 19514
 Ion Ratio Lower Upper
 264 100
 260 26.3 20.5 30.7
 265 33.9 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 2.19 ng

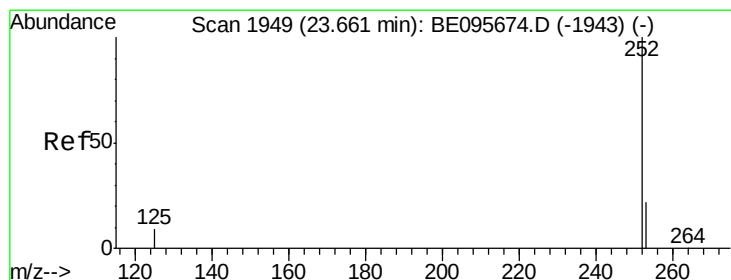
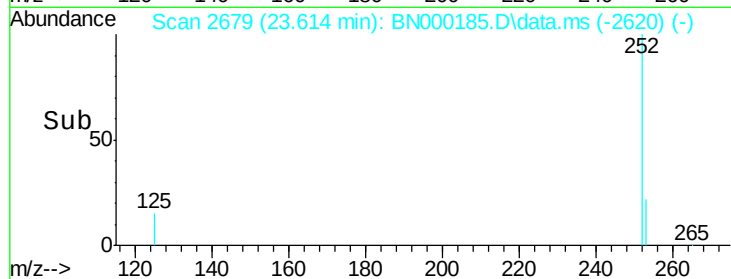
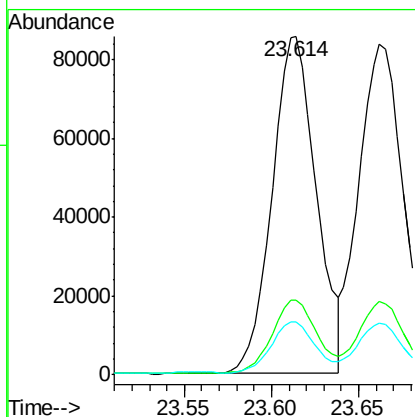
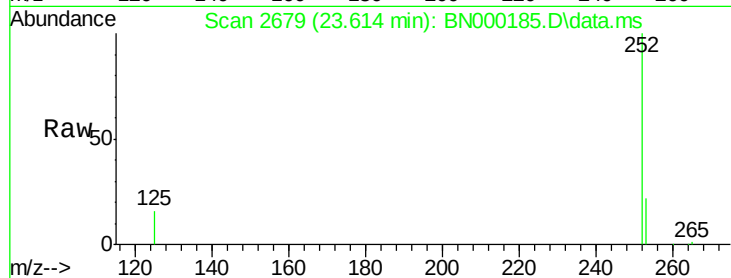
RT: 23.614 min Scan# 2679

Delta R.T. 0.003 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

Tot Ion:252	Resp:	152062
Ion Ratio	Lower	Upper
252	100	
253	22.1	20.0 30.0
125	15.6	16.0 24.0#



#36

Benzo(k)fluoranthene

Concen: 2.22 ng

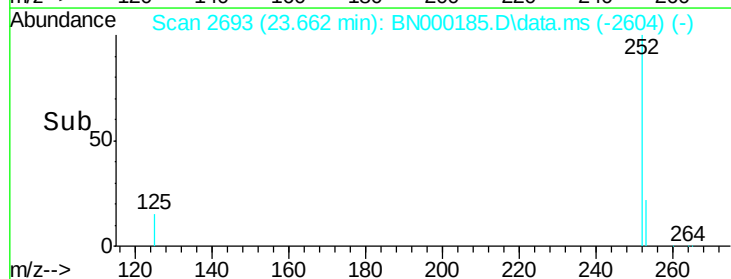
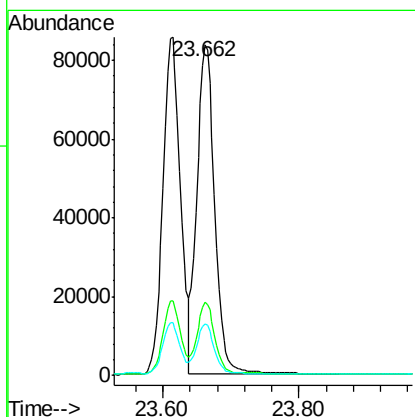
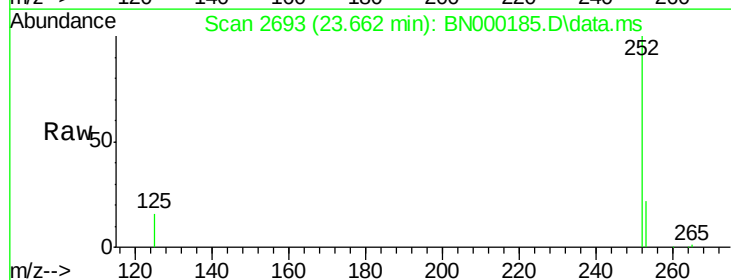
RT: 23.662 min Scan# 2693

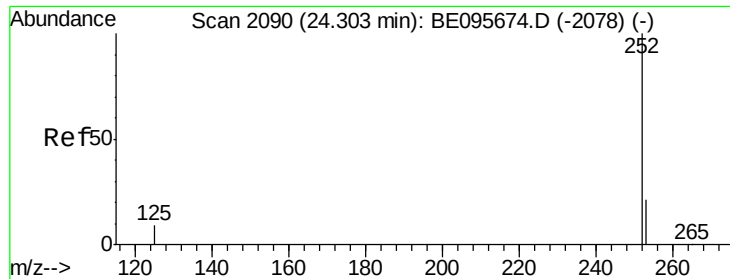
Delta R.T. 0.003 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

Tgt Ion:252	Resp:	153226
Ion Ratio	Lower	Upper
252	100	
253	22.0	16.0 24.0
125	15.6	8.0 12.0#





#37

Benzo(a)pyrene

Concen: 2.06 ng

RT: 24.261 min Scan# 2868

Delta R.T. 0.003 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

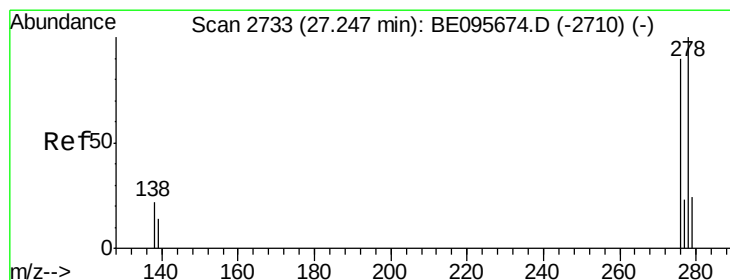
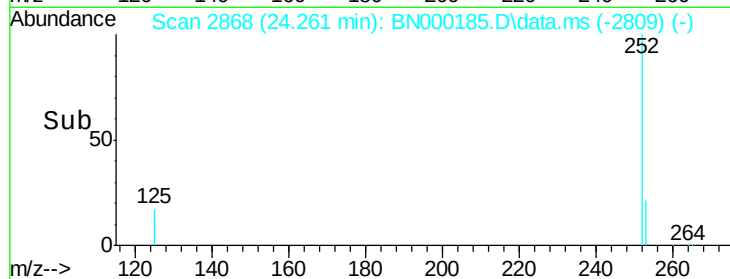
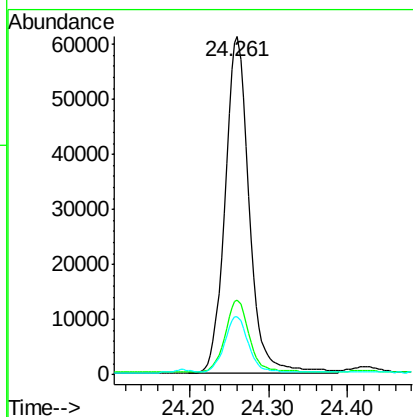
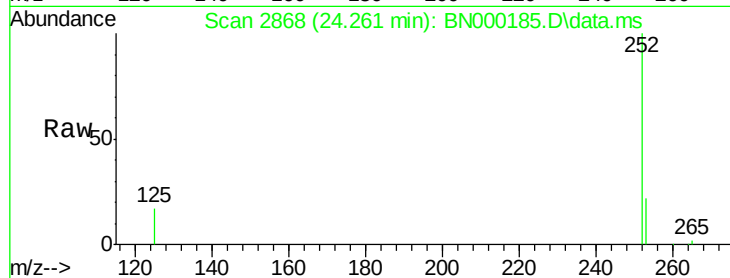
Tot Ion:252 Resp: 128950

Ion Ratio Lower Upper

252 100

253 22.1 16.0 24.0

125 17.2 12.0 18.0



#38

Dibenzo(a,h)anthracene

Concen: 2.09 ng

RT: 26.931 min Scan# 3648

Delta R.T. 0.003 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

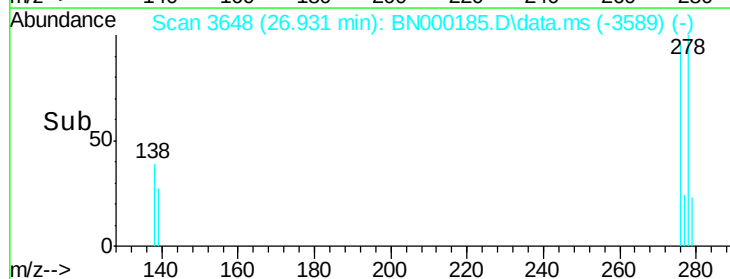
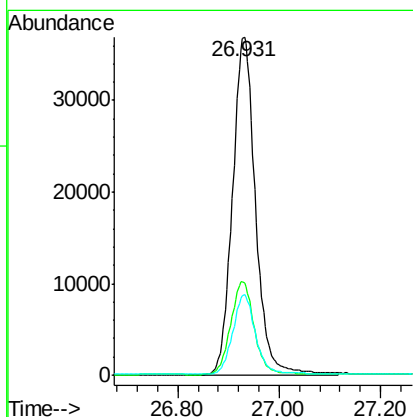
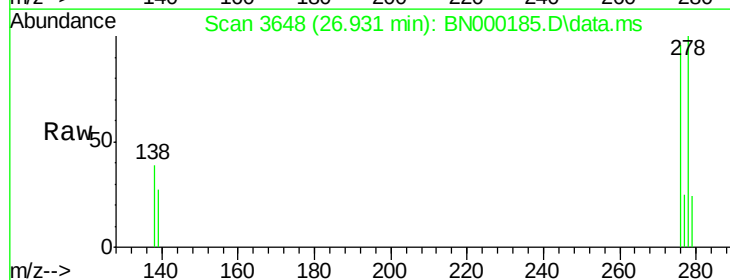
Tgt Ion:278 Resp: 116575

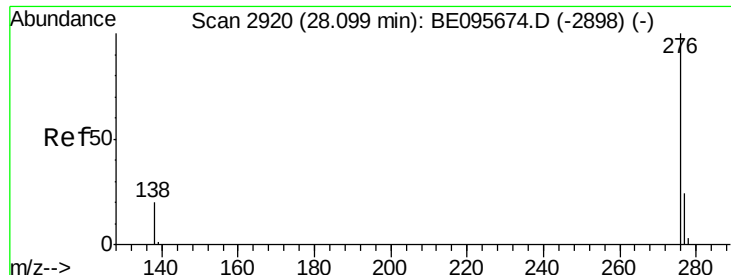
Ion Ratio Lower Upper

278 100

139 27.3 16.0 24.0#

279 23.8 20.0 30.0





#39

Benzo(a,h,i)perylene

Concen: 2.12 ng

RT: 27.701 min Scan# 3873

Delta R.T. -0.000 min

Lab File: BN000185.D

Acq: 27 Feb 2018 11:34

Tot Ion: 276 Resp: 126442

Ion Ratio Lower Upper

276 100

277 23.5 16.0 24.0

138 33.6 20.0 30.0#

